

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
 Data File : BG054370.D
 Acq On : 22 Jul 2022 22:10
 Operator : CG/JU
 Sample : N3814-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-2(5-10)

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054370.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.567	365	371	381	rBV	145313	255583	5.38%	0.530%
2	7.177	638	645	656	rVB	158920	284264	5.98%	0.590%
3	7.994	777	784	792	rBV	73814	128196	2.70%	0.266%
4	9.157	969	982	990	rBV	97627	185846	3.91%	0.385%
5	10.802	1254	1262	1266	rBV	99003	178451	3.76%	0.370%
6	10.849	1266	1270	1280	rVB	85116	154368	3.25%	0.320%
7	12.459	1537	1544	1552	rBB	87647	145921	3.07%	0.303%
8	12.676	1569	1581	1588	rBB	91538	156294	3.29%	0.324%
9	13.252	1671	1679	1686	rBB	301794	486846	10.25%	1.010%
10	13.793	1765	1771	1781	rBV4	41057	107443	2.26%	0.223%
11	13.951	1790	1798	1803	rBV2	83170	156541	3.29%	0.325%
12	14.004	1803	1807	1813	rVB2	49296	76831	1.62%	0.159%
13	14.186	1827	1838	1842	rBV	41752	75956	1.60%	0.158%
14	14.351	1861	1866	1880	rVB	57512	101952	2.15%	0.211%
15	14.627	1902	1913	1919	rBV2	162551	301501	6.35%	0.625%
16	14.692	1919	1924	1931	rVB	198901	313802	6.60%	0.651%
17	14.833	1940	1948	1957	rBV2	20411	49199	1.04%	0.102%
18	14.933	1957	1965	1971	rVV2	27985	55728	1.17%	0.116%
19	15.027	1974	1981	1987	rVV	154128	260737	5.49%	0.541%
20	15.097	1987	1993	2002	rVB	33421	53877	1.13%	0.112%
21	15.244	2011	2018	2023	rBV	32210	56257	1.18%	0.117%
22	15.414	2039	2047	2051	rBV3	24176	58814	1.24%	0.122%
23	15.673	2085	2091	2102	rVB	272607	430806	9.07%	0.893%
24	15.796	2109	2112	2115	rVV	39579	58098	1.22%	0.120%
25	15.837	2115	2119	2123	rVB3	47479	70133	1.48%	0.145%
26	15.967	2137	2141	2149	rVB	75108	132706	2.79%	0.275%
27	16.119	2149	2167	2174	rBV2	350156	637936	13.43%	1.323%
28	16.208	2174	2182	2189	rVB4	19048	53857	1.13%	0.112%
29	16.349	2196	2206	2213	rVB4	29789	63656	1.34%	0.132%
30	16.678	2250	2262	2267	rBV3	76759	198572	4.18%	0.412%
31	16.725	2267	2270	2276	rVB2	46472	74694	1.57%	0.155%
32	16.824	2284	2287	2292	rVB	40222	61172	1.29%	0.127%
33	17.030	2316	2322	2328	rVB	97882	164540	3.46%	0.341%
34	17.118	2328	2337	2343	rBV4	52693	147090	3.10%	0.305%
35	17.195	2344	2350	2360	rVB	146990	253085	5.33%	0.525%
36	17.377	2375	2381	2383	rBV	183694	296064	6.23%	0.614%

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.424	2383	2389	2395	rVV	2018943	3523575	74.16%	7.308%
38	17.512	2395	2404	2409	rVV	568740	901447	18.97%	1.870%
39	17.565	2409	2413	2418	rVB2	53895	93969	1.98%	0.195%
40	17.776	2439	2449	2460	rBV2	194333	427847	9.00%	0.887%
41	17.888	2464	2468	2474	rVV2	61957	95605	2.01%	0.198%
42	17.958	2474	2480	2487	rVB3	82594	151406	3.19%	0.314%
43	18.094	2500	2503	2511	rVB	52370	98300	2.07%	0.204%
44	18.176	2511	2517	2520	rBV2	31865	51921	1.09%	0.108%
45	18.252	2520	2530	2534	rVV	388924	659410	13.88%	1.368%
46	18.299	2534	2538	2545	rVB	483328	768775	16.18%	1.594%
47	18.382	2545	2552	2556	rBV	205688	336348	7.08%	0.698%
48	18.446	2556	2563	2567	rVV2	520327	1056682	22.24%	2.191%
49	18.481	2567	2569	2577	rVV	269834	373156	7.85%	0.774%
50	18.552	2577	2581	2585	rVV3	60863	110058	2.32%	0.228%
51	18.593	2585	2588	2592	rVB2	35217	49176	1.03%	0.102%
52	18.646	2592	2597	2601	rBV3	33289	57521	1.21%	0.119%
53	18.746	2608	2614	2618	rVV	268235	411845	8.67%	0.854%
54	18.793	2618	2622	2631	rVB2	173760	291416	6.13%	0.604%
55	18.869	2631	2635	2640	rBV	41499	66335	1.40%	0.138%
56	18.993	2648	2656	2661	rBV2	105265	189878	4.00%	0.394%
57	19.045	2661	2665	2668	rBV	73297	90490	1.90%	0.188%
58	19.081	2668	2671	2677	rVB3	77310	111016	2.34%	0.230%
59	19.163	2679	2685	2690	rBV	220018	419162	8.82%	0.869%
60	19.233	2692	2697	2700	rBV3	81045	127284	2.68%	0.264%
61	19.316	2705	2711	2718	rVV3	141064	289547	6.09%	0.601%
62	19.439	2724	2732	2737	rBV	2615374	4317097	90.86%	8.953%
63	19.486	2737	2740	2743	rVV	64672	89850	1.89%	0.186%
64	19.527	2743	2747	2751	rVB	106268	148412	3.12%	0.308%
65	19.627	2760	2764	2767	rBV3	49285	84922	1.79%	0.176%
66	19.674	2768	2772	2776	rVB	101169	141432	2.98%	0.293%
67	19.803	2782	2794	2800	rBV2	2459818	4751581	100.00%	9.854%
68	19.862	2800	2804	2810	rVB3	178814	299082	6.29%	0.620%
69	19.980	2817	2824	2829	rBV2	615187	983130	20.69%	2.039%
70	20.033	2829	2833	2840	rVB	159128	255992	5.39%	0.531%
71	20.127	2840	2849	2854	rBV2	247172	682705	14.37%	1.416%
72	20.285	2864	2876	2881	rBV	495600	1081824	22.77%	2.244%
73	20.385	2888	2893	2896	rBV	308507	436838	9.19%	0.906%
74	20.444	2896	2903	2907	rVV2	295451	503613	10.60%	1.044%
75	20.520	2913	2916	2921	rVB3	87523	116797	2.46%	0.242%
76	20.585	2922	2927	2930	rVV	202396	295896	6.23%	0.614%

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Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.626	2930	2934	2938	rVV	240384	355218	7.48%	0.737%
78	20.667	2938	2941	2945	rVB2	79759	102277	2.15%	0.212%
79	20.996	2994	2997	3000	rBV3	58667	86975	1.83%	0.180%
80	21.043	3001	3005	3012	rVB	265625	427432	9.00%	0.886%
81	21.225	3030	3036	3039	rBV3	259116	490014	10.31%	1.016%
82	21.266	3039	3043	3047	rVV	279197	450185	9.47%	0.934%
83	21.319	3047	3052	3057	rVV2	260387	508694	10.71%	1.055%
84	21.378	3058	3062	3074	rVB	259133	502859	10.58%	1.043%
85	21.631	3095	3105	3111	rBV3	1532584	3438646	72.37%	7.132%
86	21.695	3111	3116	3128	rVB	1304305	2492000	52.45%	5.168%
87	21.842	3137	3141	3148	rBV	195514	332565	7.00%	0.690%
88	22.048	3171	3176	3183	rBV2	183805	365075	7.68%	0.757%
89	22.371	3224	3231	3236	rVV	242353	497116	10.46%	1.031%
90	22.436	3239	3242	3250	rVB	138050	262340	5.52%	0.544%
91	22.647	3273	3278	3281	rBV2	106404	201993	4.25%	0.419%
92	23.852	3473	3483	3489	rBV	794852	2697189	56.76%	5.594%
93	24.098	3519	3525	3535	rVB	147544	339909	7.15%	0.705%
94	24.568	3596	3605	3618	rVB	425268	1429906	30.09%	2.966%
95	24.715	3620	3630	3642	rBV	678310	2008918	42.28%	4.166%

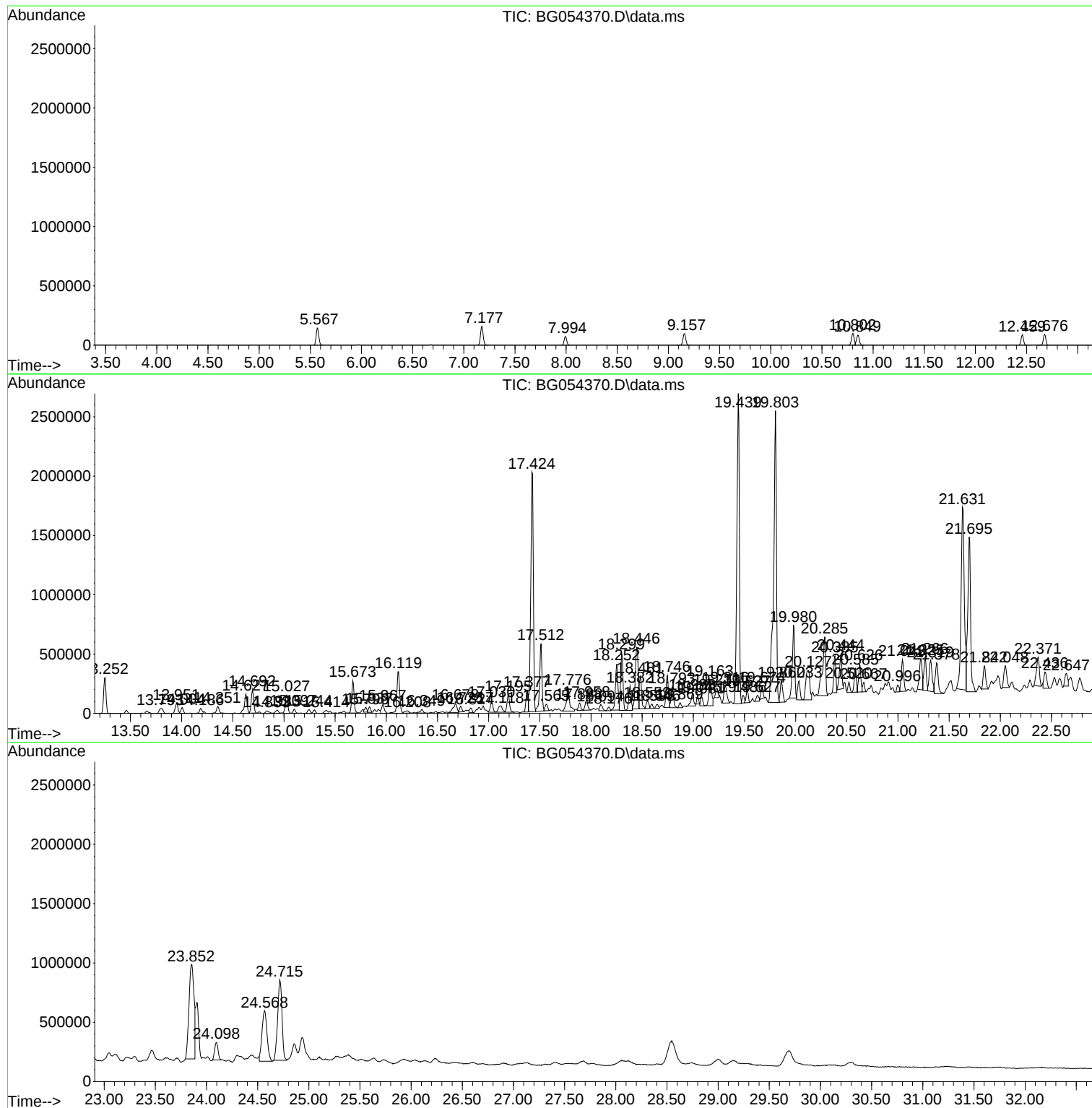
Sum of corrected areas: 48217467

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Instrument :
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ENV-DE-2(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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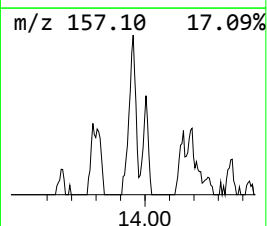
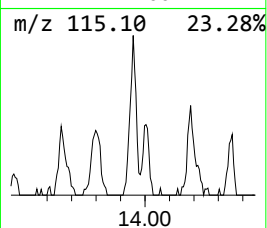
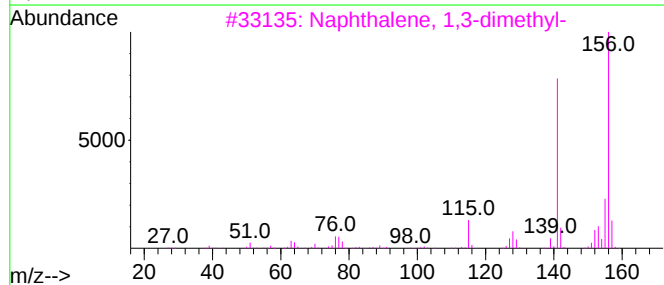
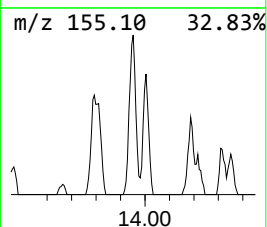
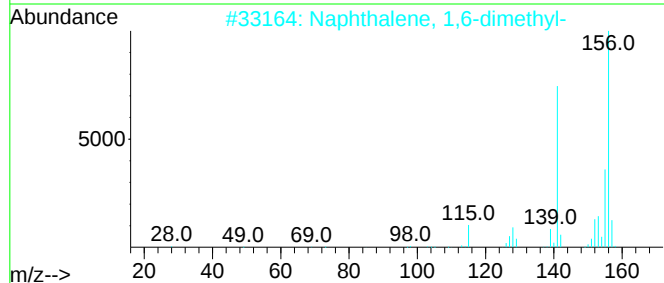
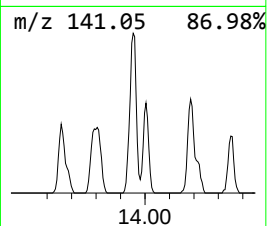
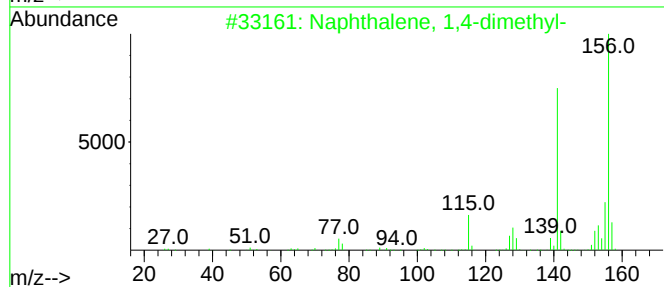
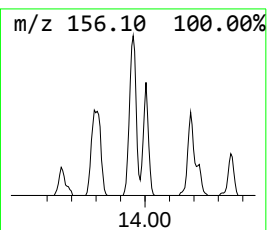
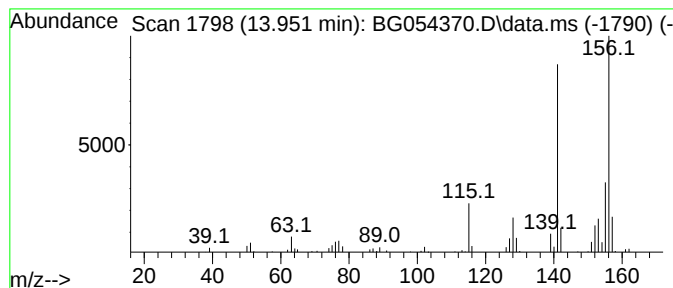
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Naphthalene, 1,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.951	10.38 ng	156541	Acenaphthene-d10	14.627

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
5			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94



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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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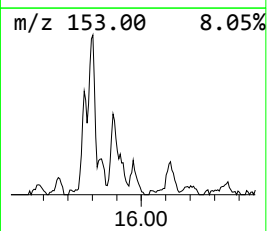
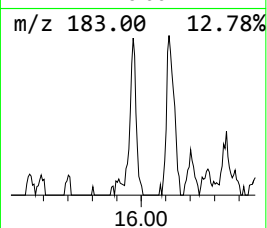
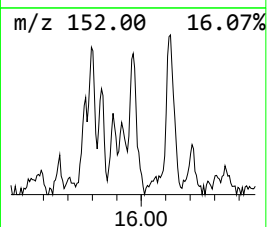
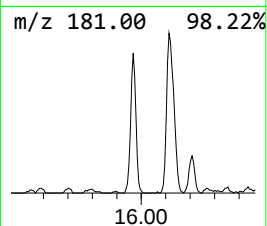
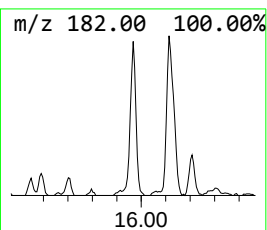
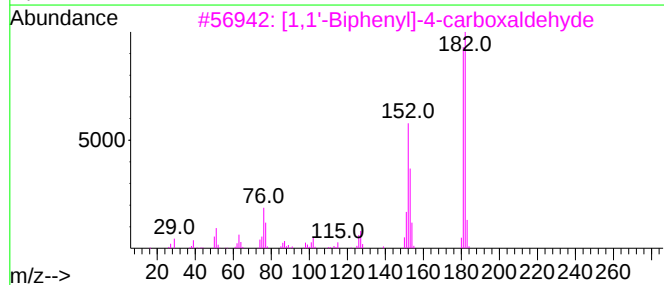
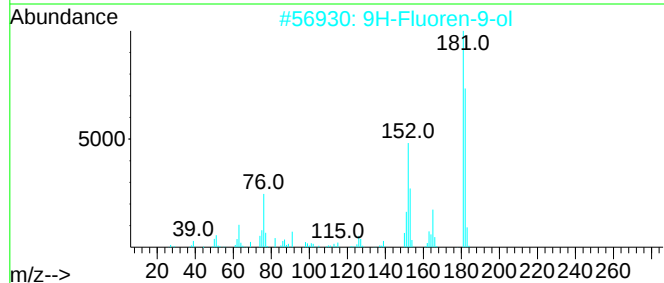
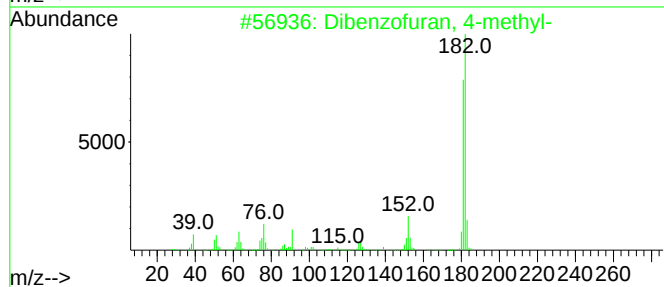
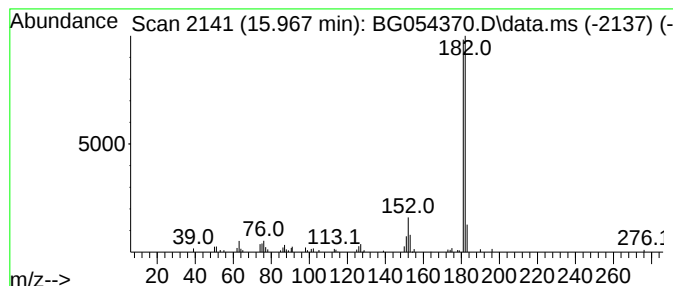
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.967	8.80 ng	132706	Acenaphthene-d10	14.627

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2			9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
3			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4			2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5			Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	72



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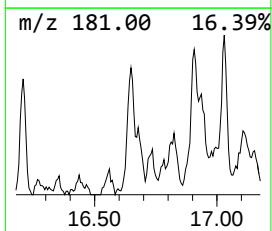
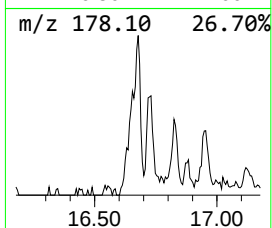
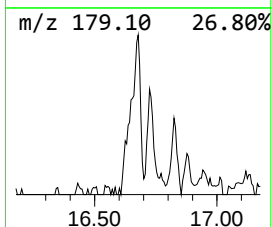
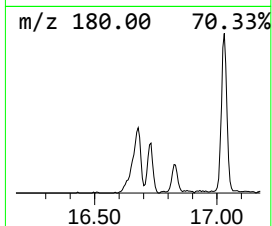
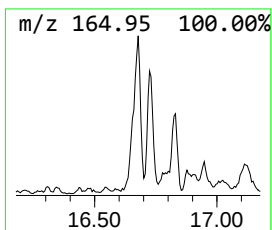
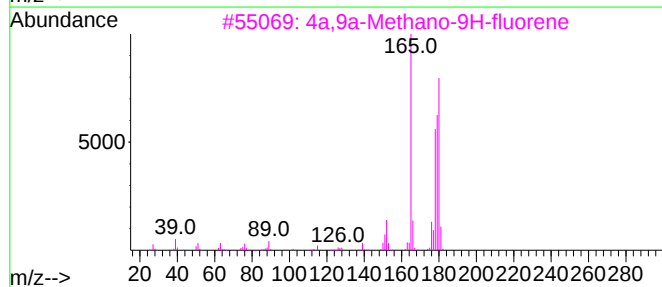
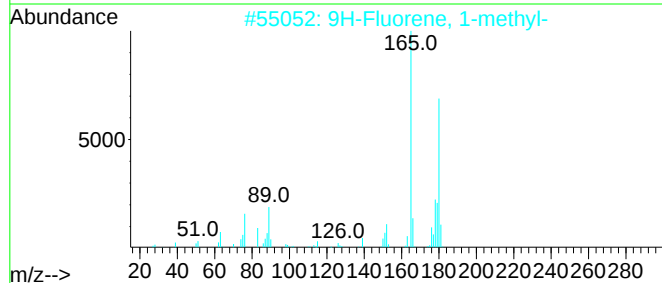
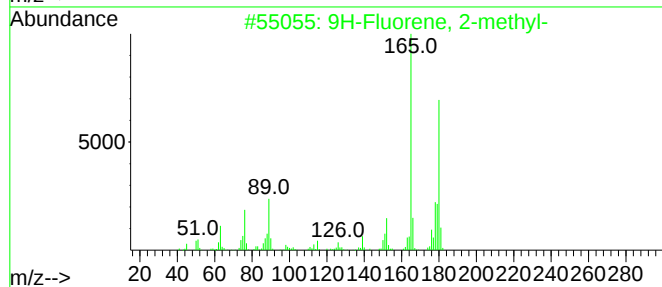
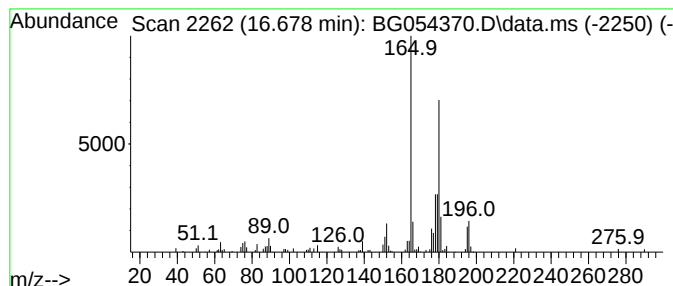
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.678	13.41 ng	198572	Phenanthrene-d10	17.377

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
3		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
Sample : N3814-08
Misc :
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Instrument :
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ClientSampleId :
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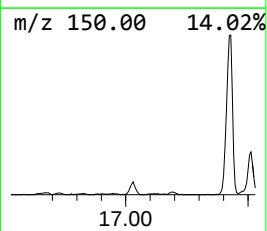
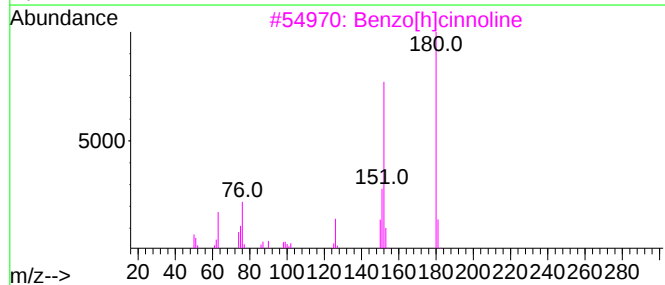
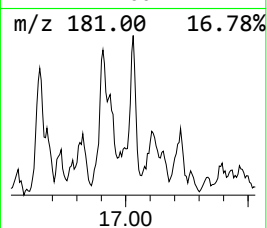
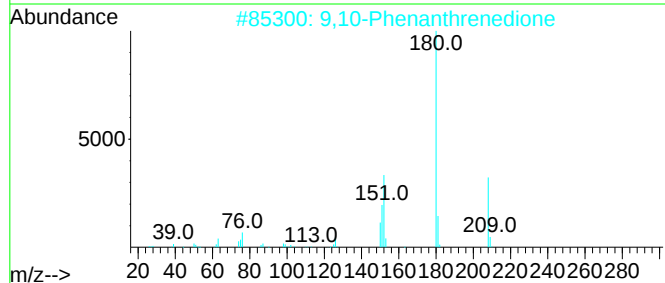
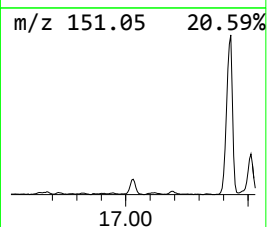
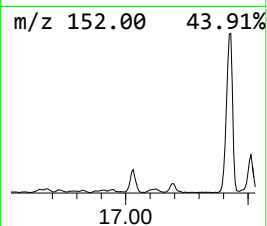
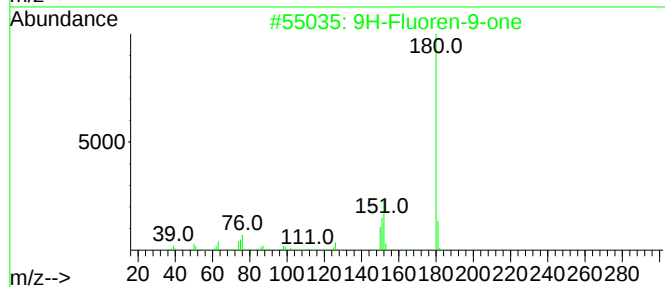
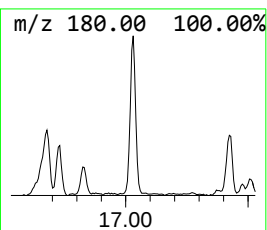
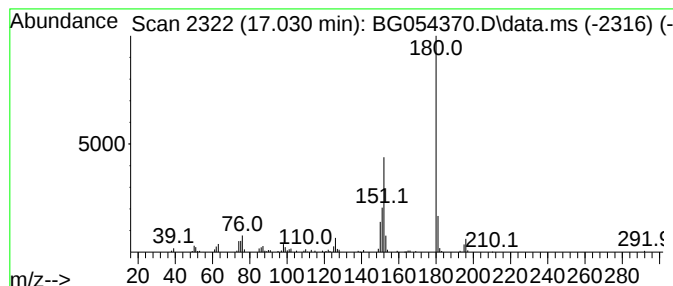
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.030	11.12 ng	164540	Phenanthrene-d10	17.377

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
3			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
4			Diphenic anhydride	224	C14H8O3	006050-13-1	83
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
Sample : N3814-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

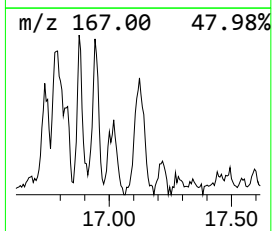
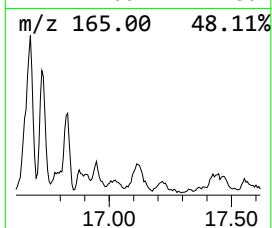
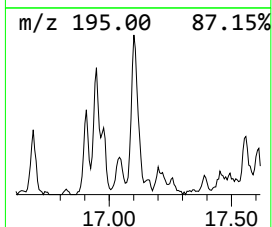
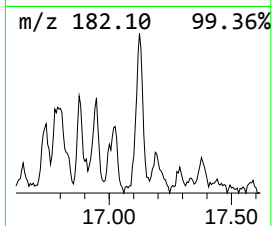
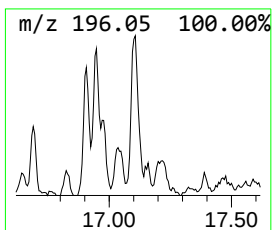
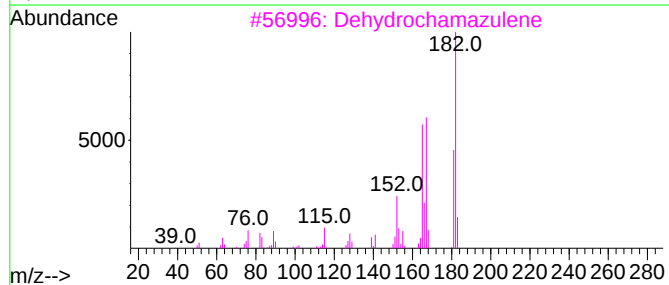
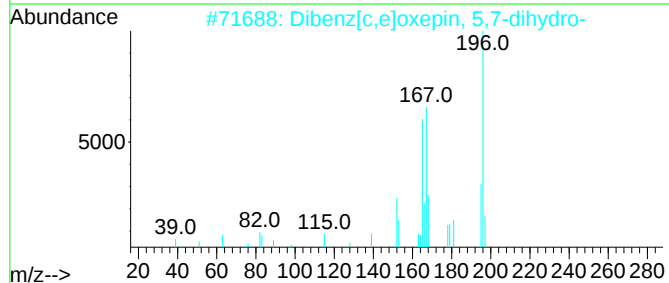
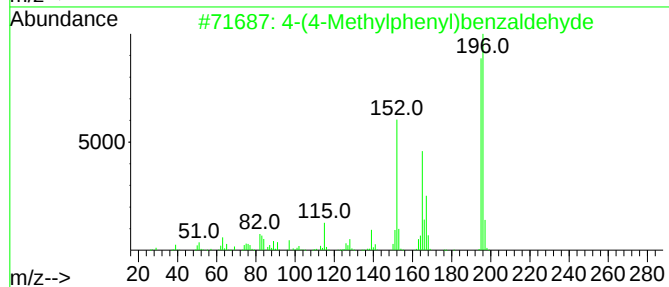
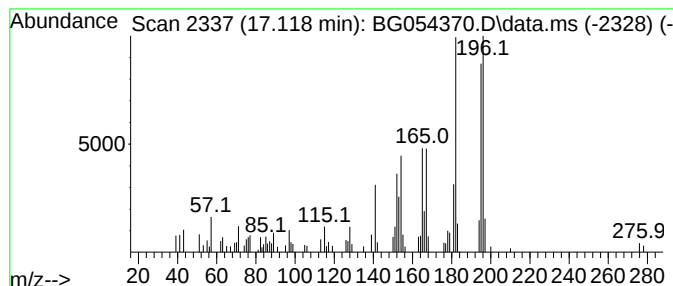
Instrument :
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ClientSampleId :
ENV-DE-2(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 4-(4-Methylphenyl)benzaldehyde Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.118	9.94 ng	147090	Phenanthrene-d10	17.377	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	70
2	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	64
3	Dehydrochamazulene	182	C14H14	321732-25-6	46
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46
5	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
Sample : N3814-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(5-10)

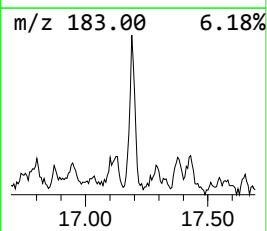
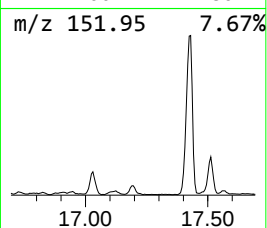
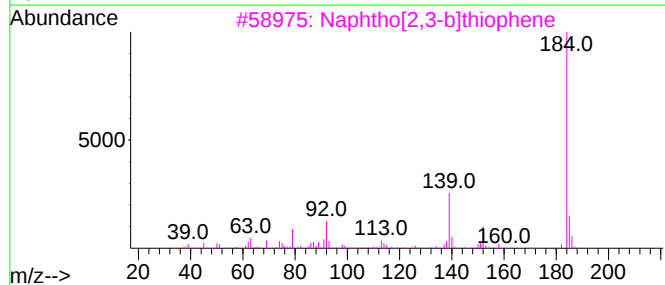
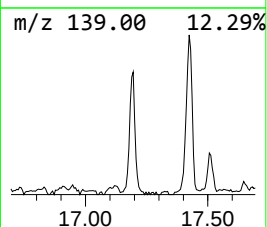
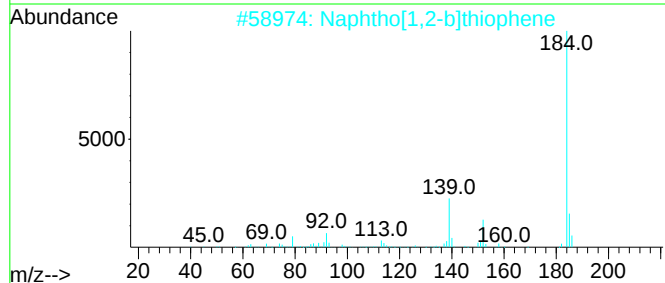
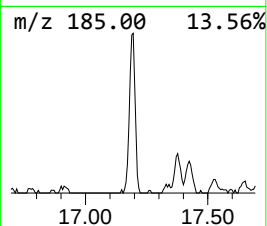
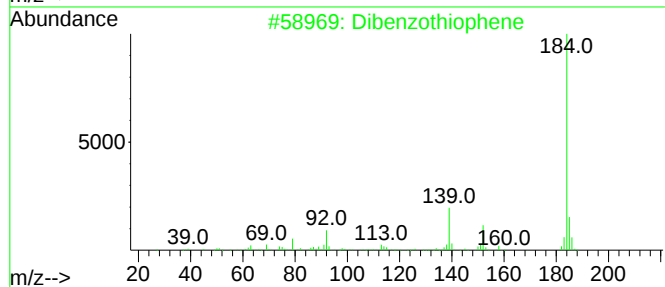
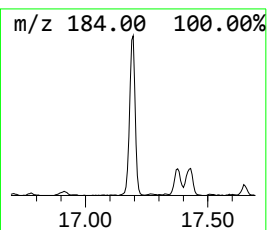
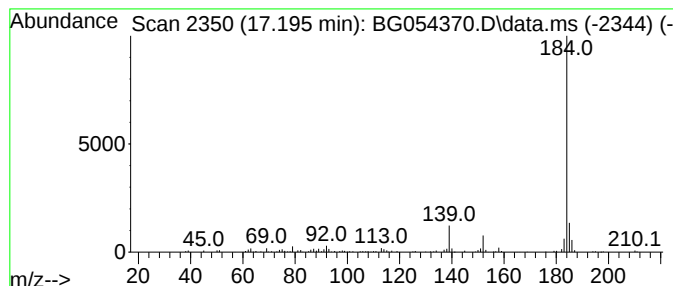
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.195	17.10 ng	253085	Phenanthrene-d10	17.377

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	95
2			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5			1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
Sample : N3814-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(5-10)

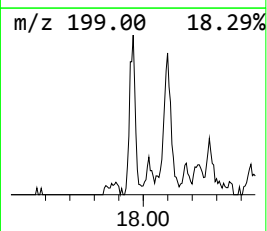
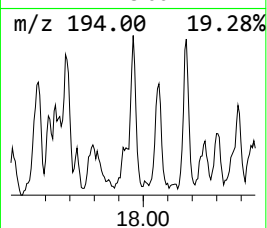
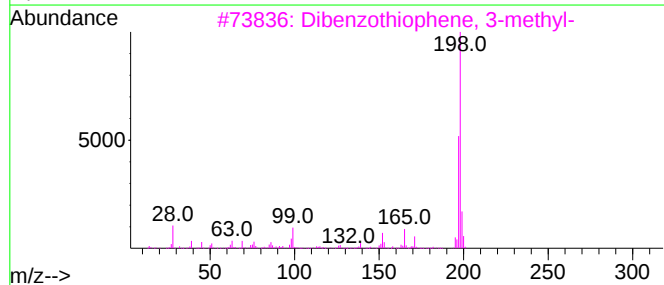
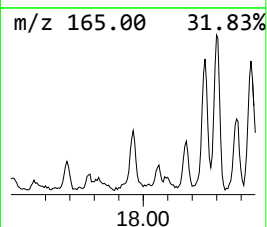
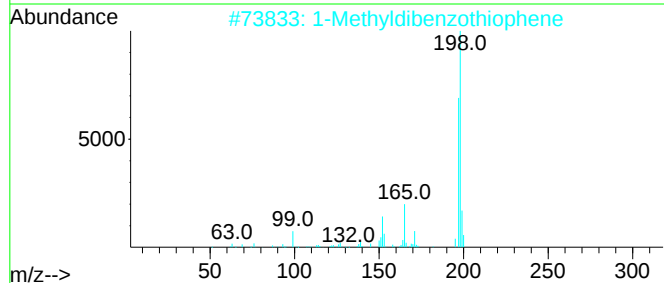
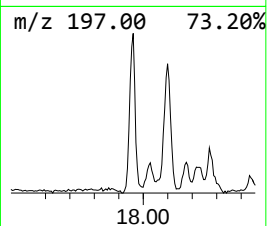
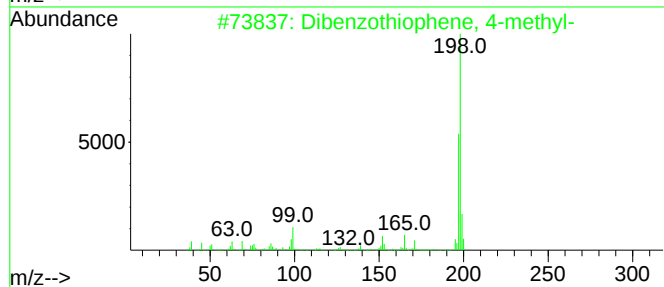
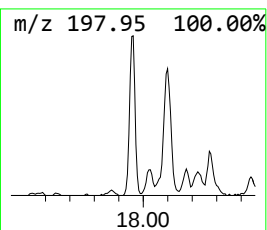
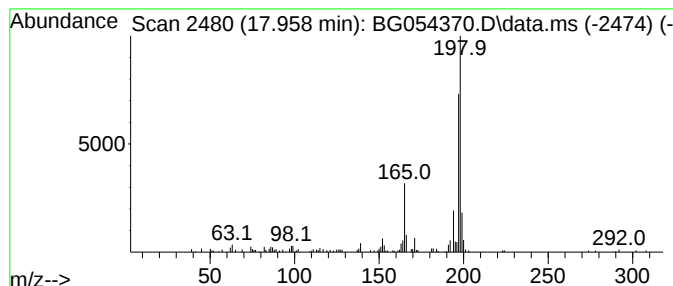
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Dibenzothiophene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.958	10.23 ng	151406	Phenanthrene-d10	17.377

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
2			1-Methyldibenzothiophene	198	C13H10S	031317-07-4	72
3			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64
4			4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	64
5			Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
Sample : N3814-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ENV-DE-2(5-10)

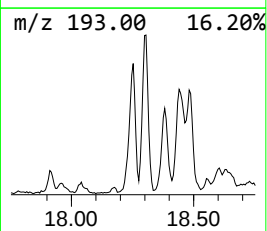
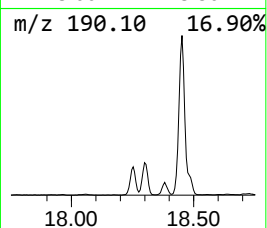
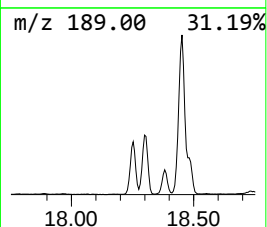
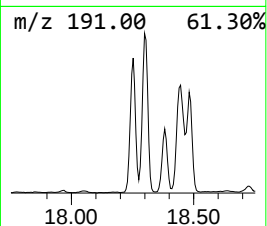
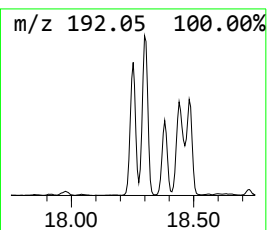
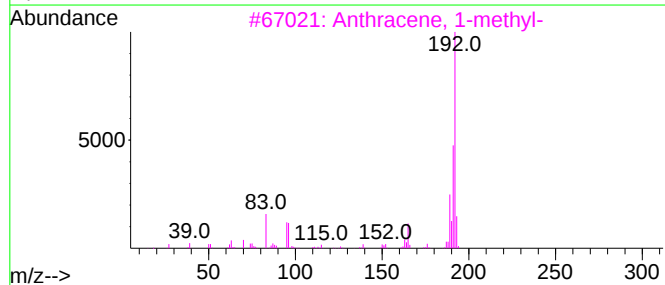
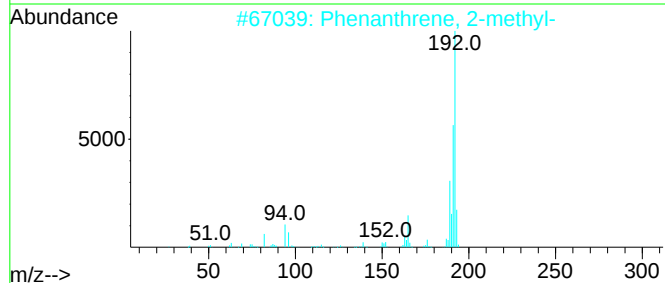
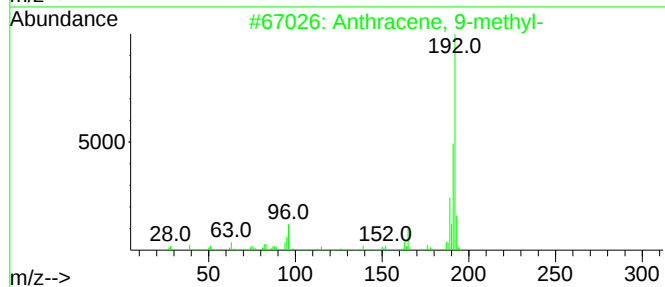
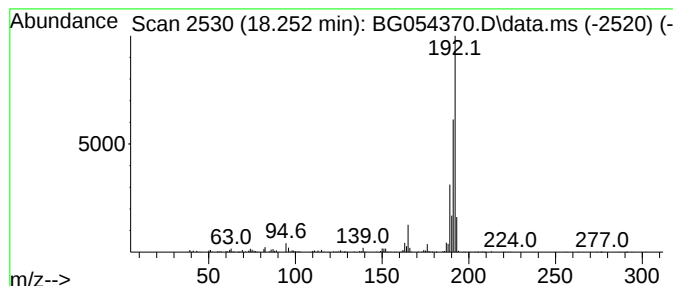
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.252	44.55 ng	659410	Phenanthrene-d10	17.377

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ENV-DE-2(5-10)

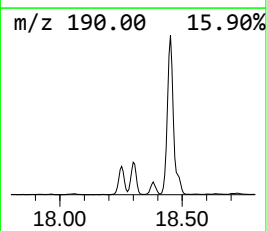
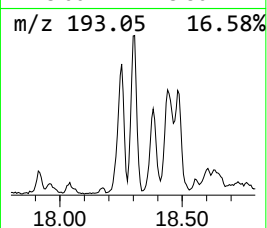
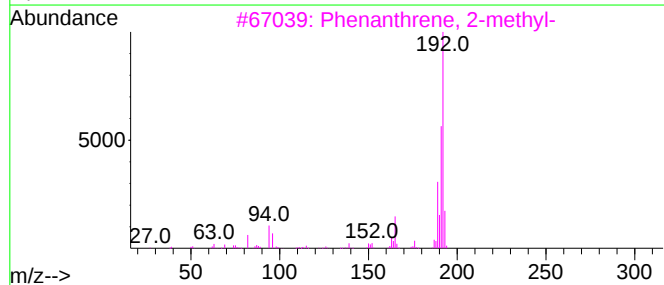
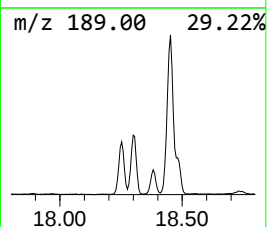
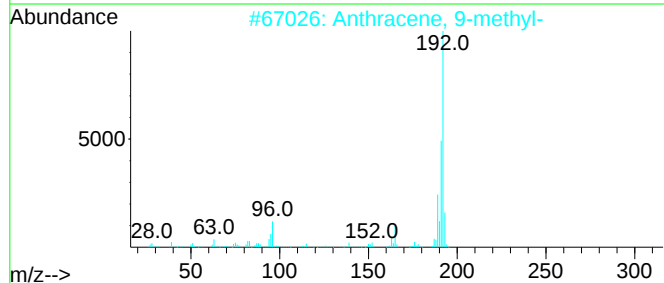
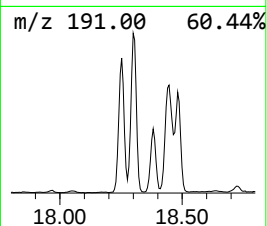
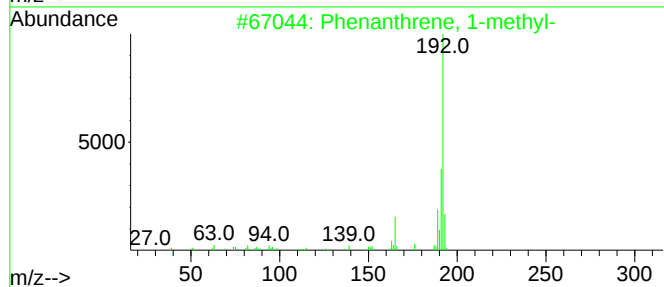
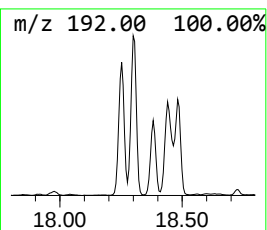
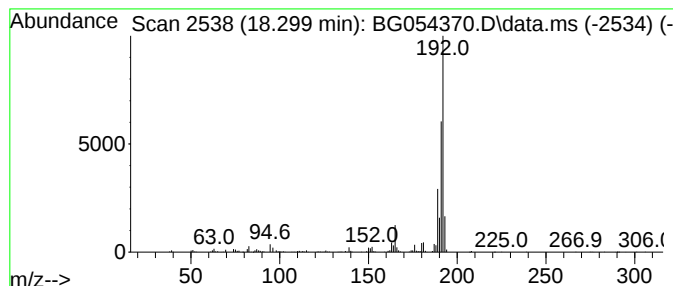
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.299	51.93 ng	768775	Phenanthrene-d10	17.377

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
Sample : N3814-08
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ENV-DE-2(5-10)

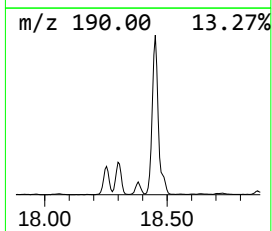
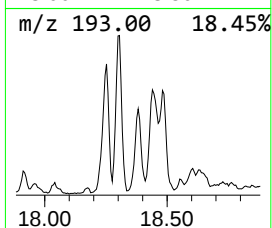
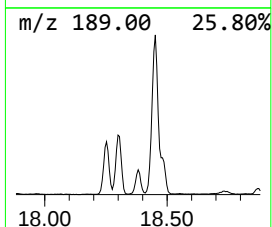
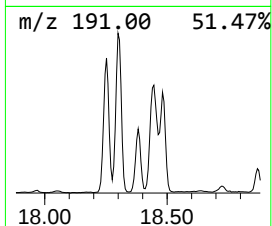
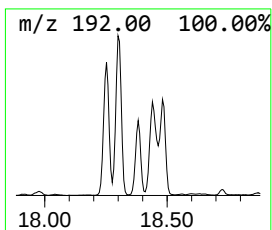
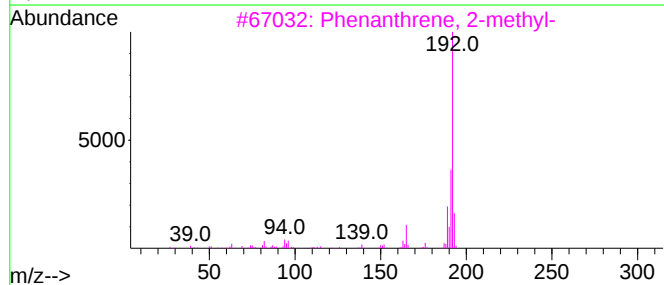
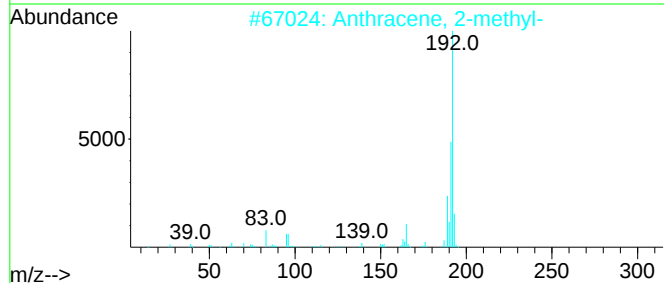
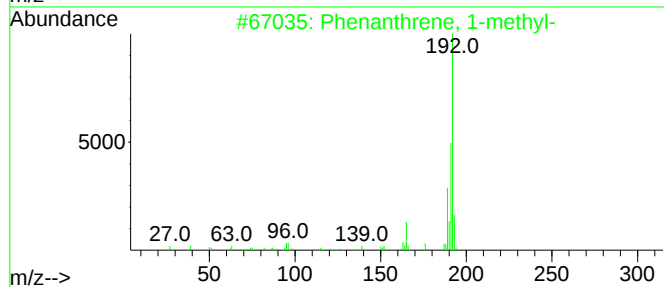
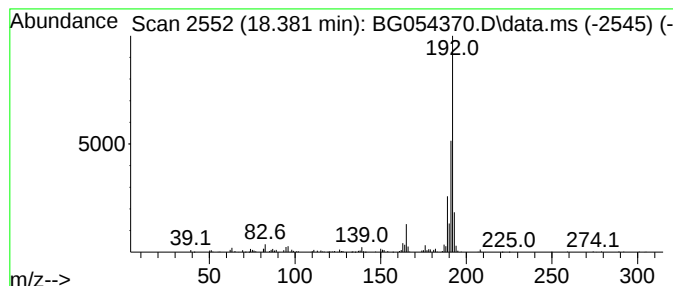
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.381	22.72 ng	336348	Phenanthrene-d10	17.377

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
Sample : N3814-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(5-10)

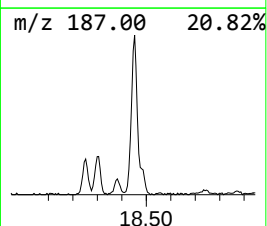
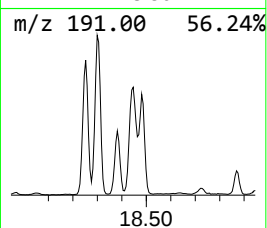
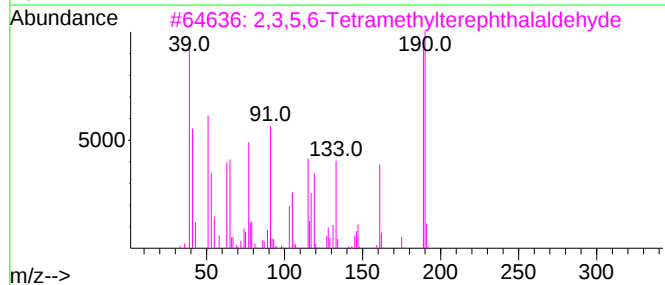
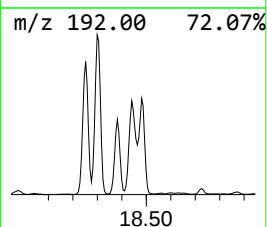
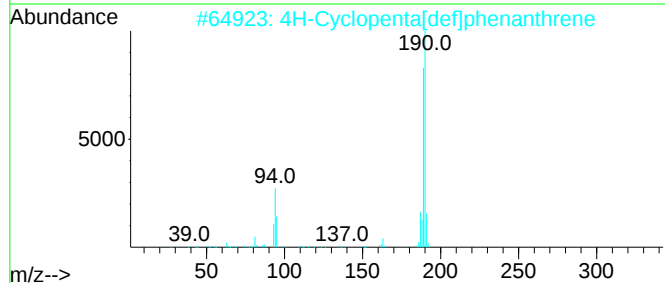
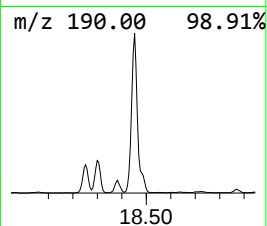
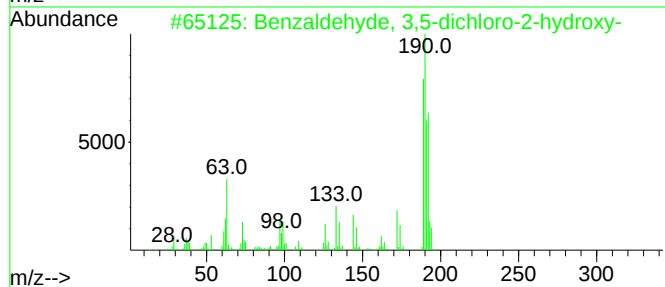
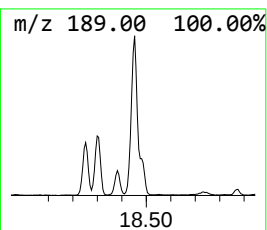
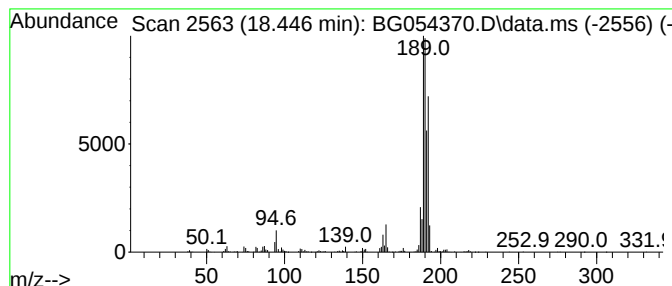
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.446	71.38 ng	1056680	Phenanthrene-d10	17.377

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
Sample : N3814-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(5-10)

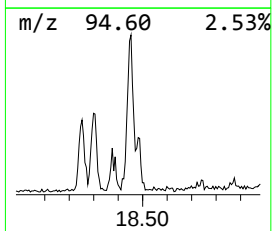
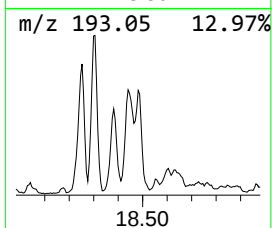
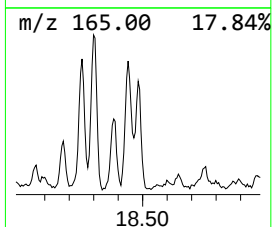
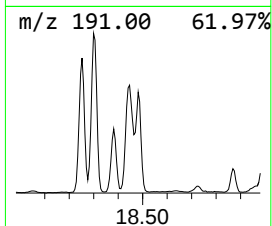
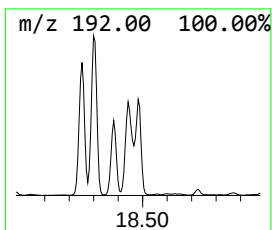
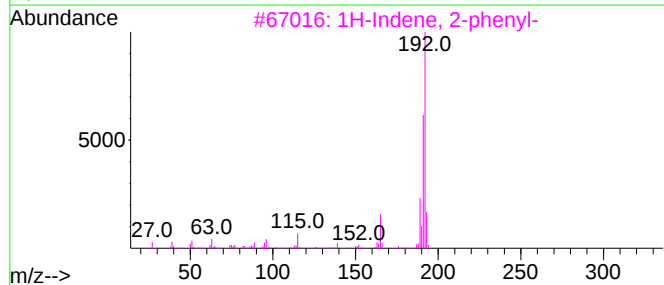
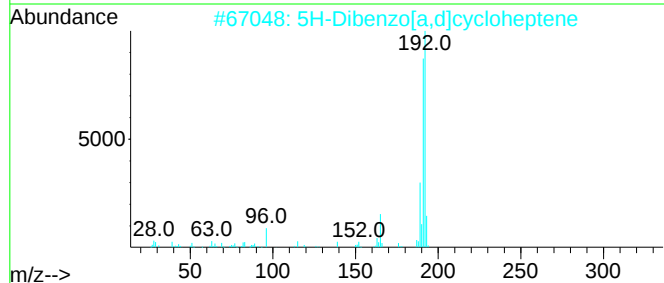
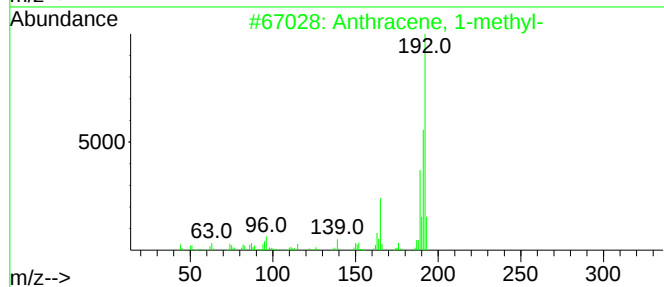
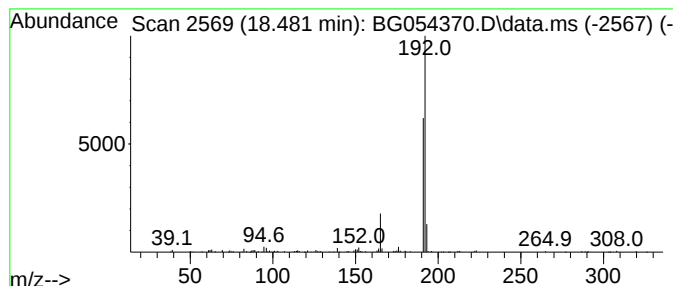
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.481	25.21 ng	373156	Phenanthrene-d10	17.377

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	86
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
4			Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	86
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
Sample : N3814-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(5-10)

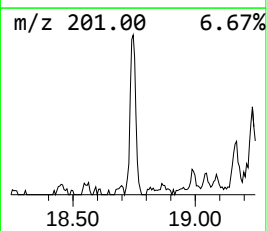
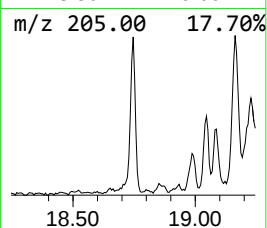
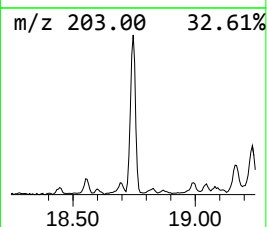
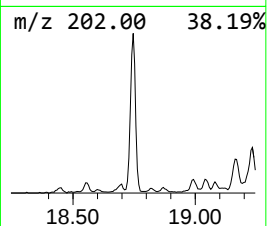
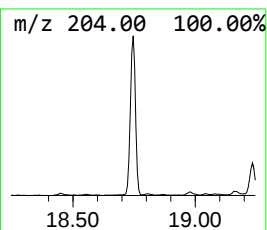
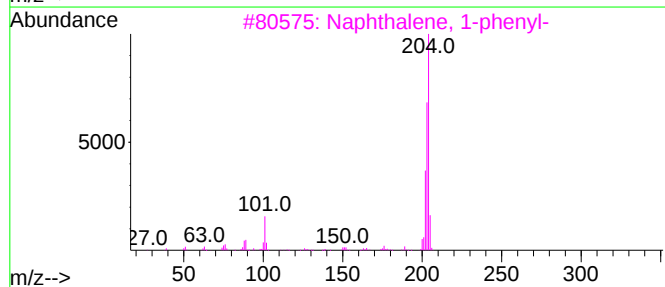
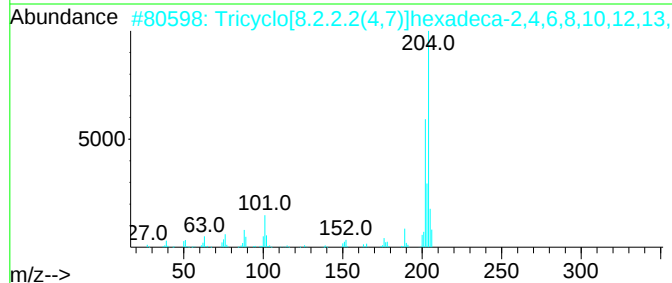
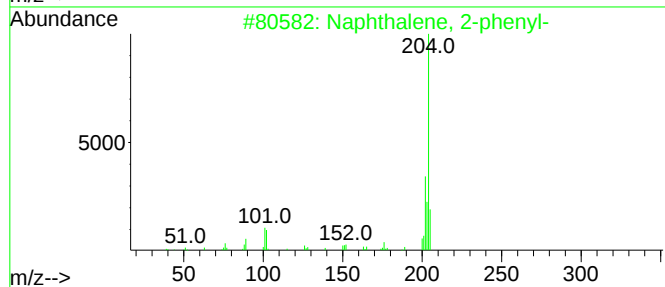
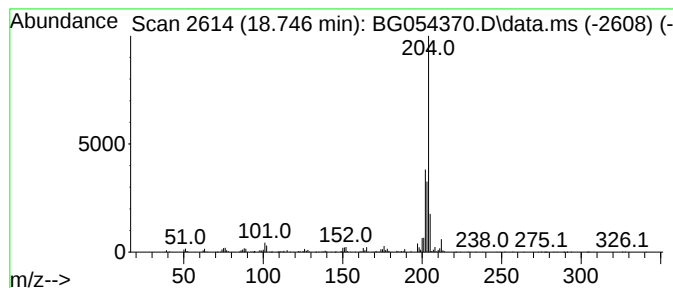
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.746	27.82 ng	411845	Phenanthrene-d10	17.377

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
4			9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	43
5			5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
Sample : N3814-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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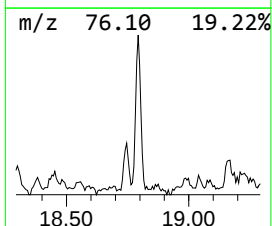
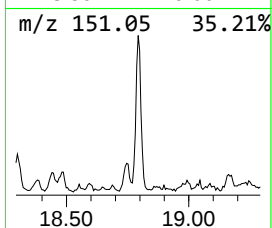
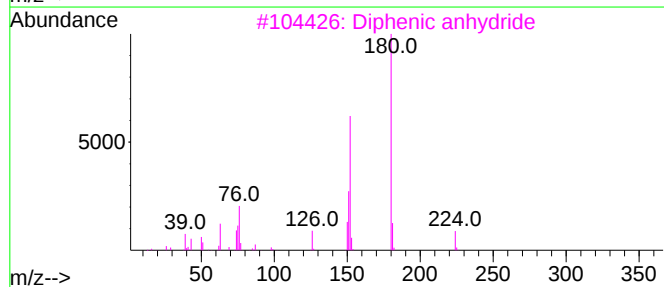
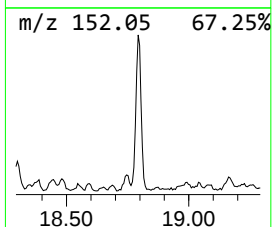
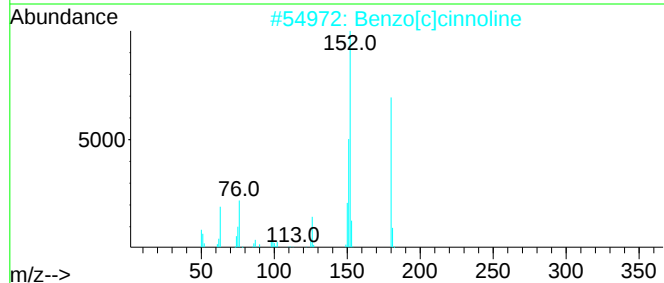
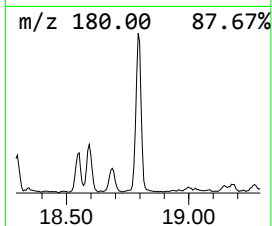
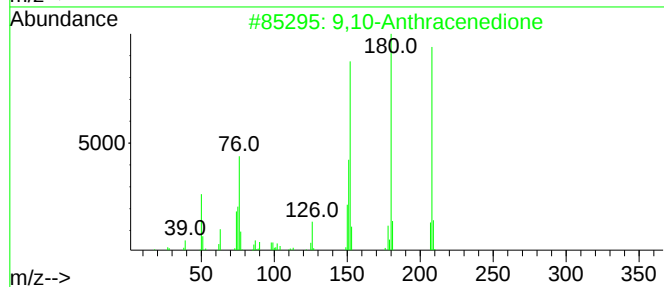
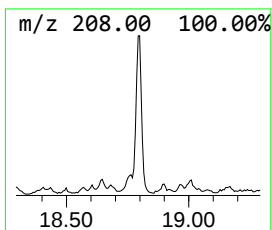
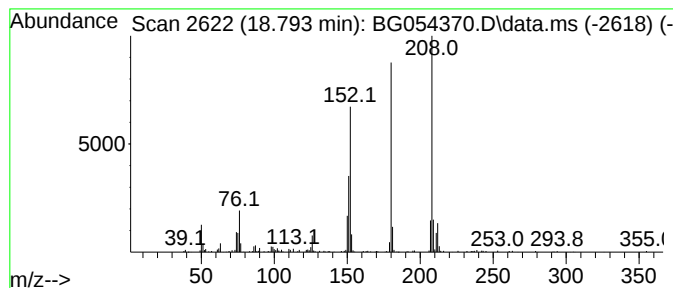
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.793	19.69 ng	291416	Phenanthrene-d10	17.377

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
3			Diphenic anhydride	224	C14H8O3	006050-13-1	49
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	49
5			1,4-Anthracenedione	208	C14H8O2	000635-12-1	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ENV-DE-2(5-10)

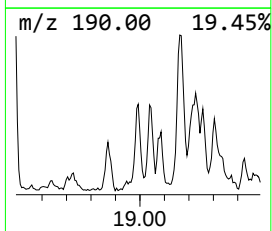
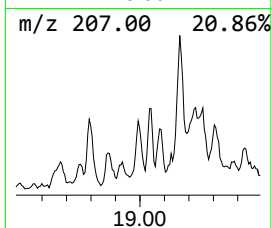
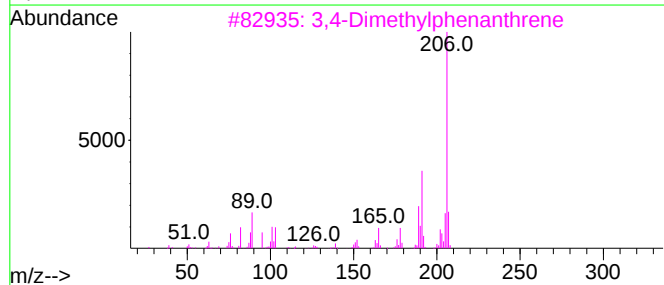
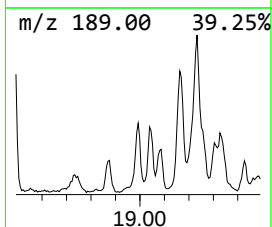
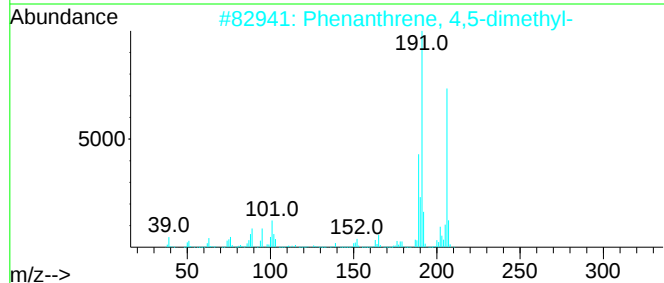
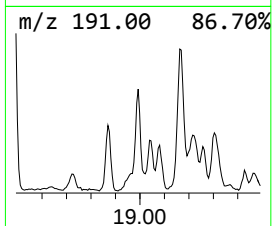
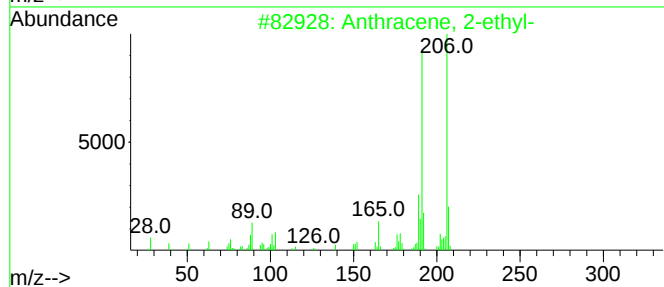
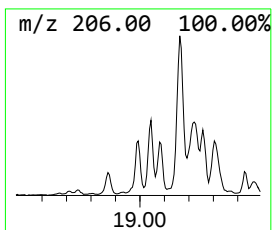
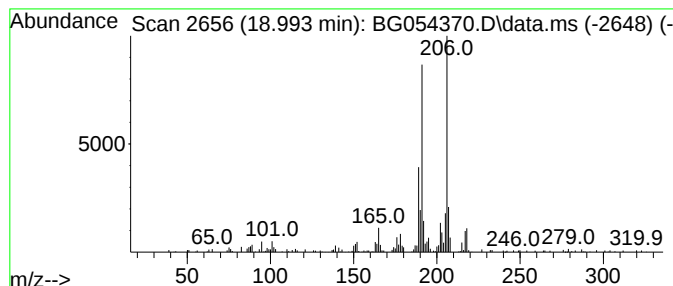
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Anthracene, 2-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.993	12.83 ng	189878	Phenanthrene-d10	17.377

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3			3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
4			1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	81
5			1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ENV-DE-2(5-10)

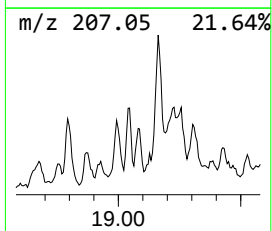
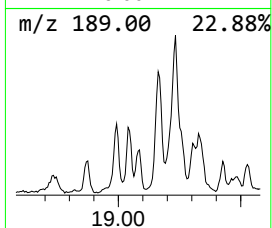
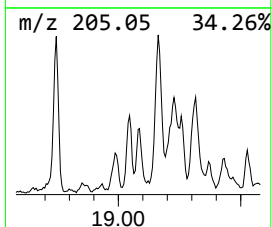
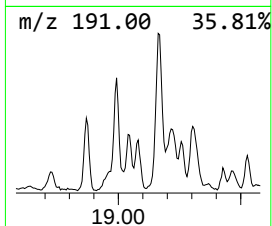
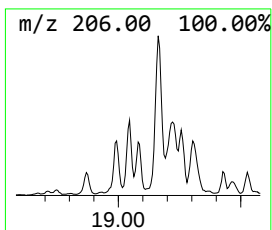
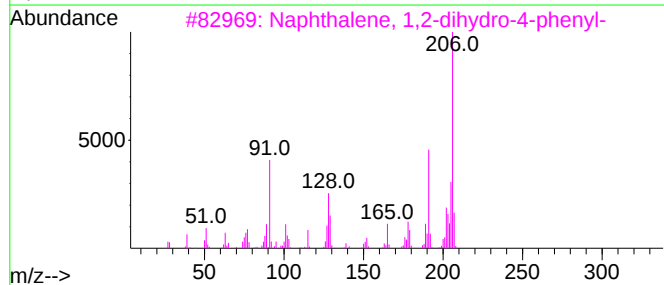
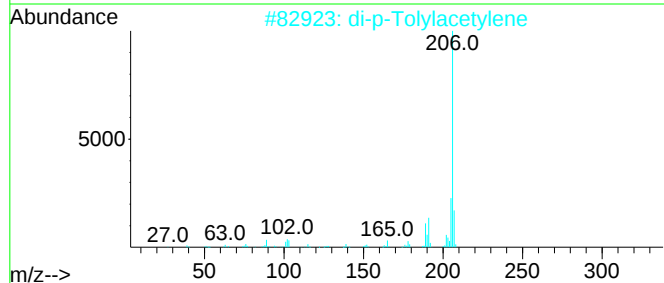
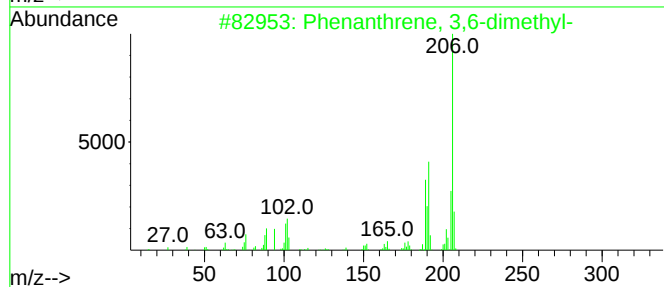
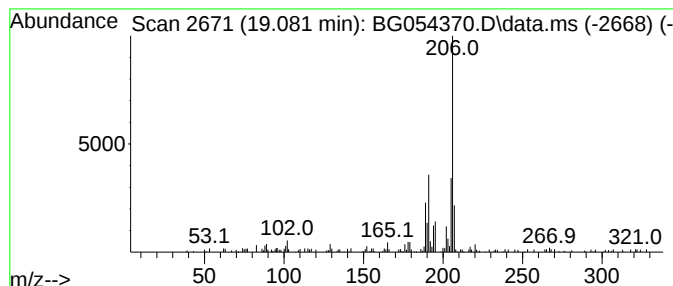
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.081	7.50 ng	111016	Phenanthrene-d10	17.377

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3			Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	76
4			1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	76
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
Sample : N3814-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(5-10)

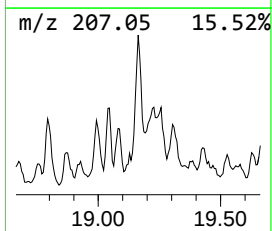
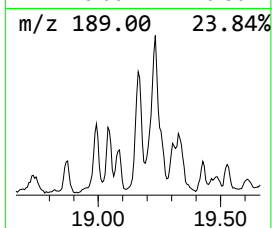
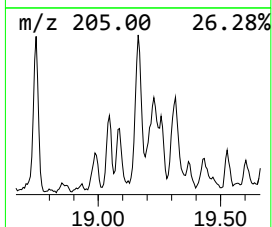
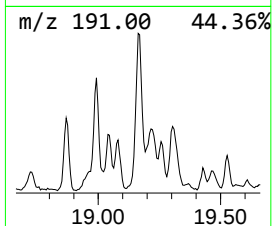
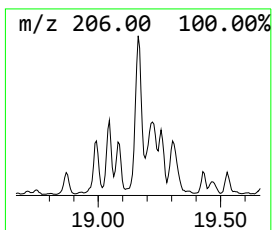
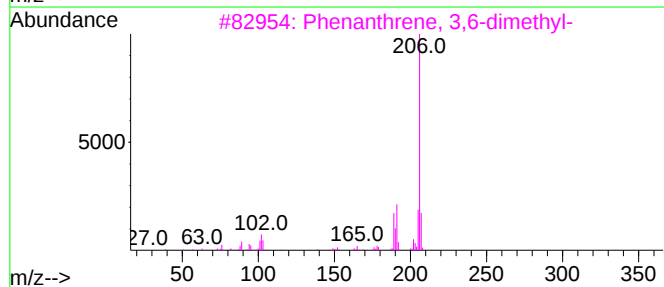
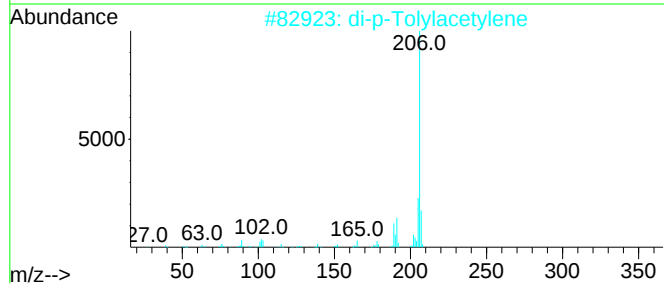
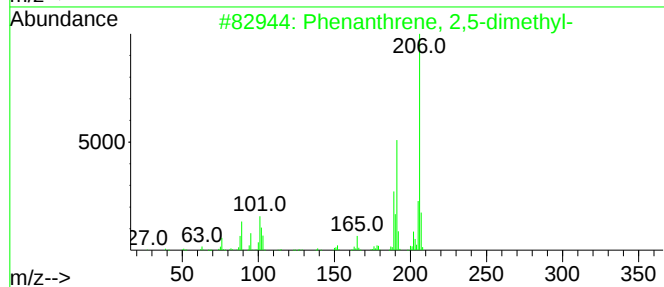
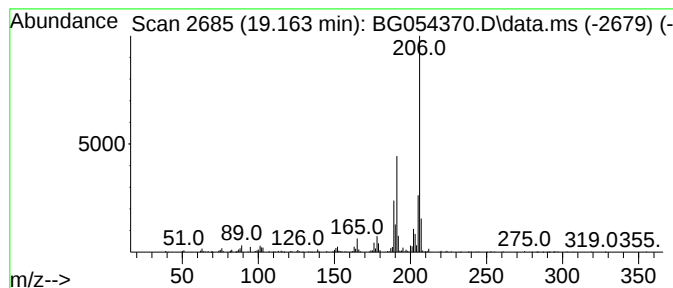
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.163	28.32 ng	419162	Phenanthrene-d10	17.377

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5			Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
Sample : N3814-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(5-10)

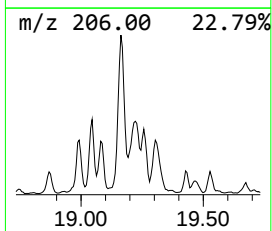
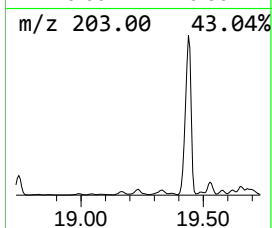
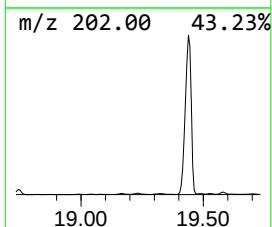
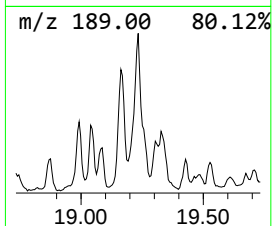
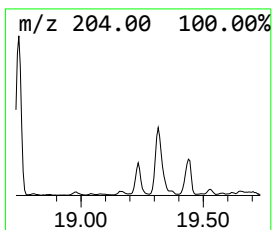
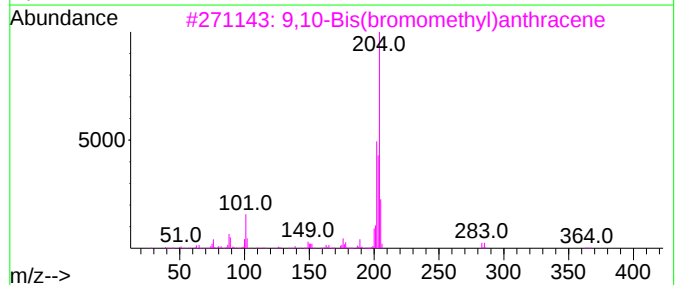
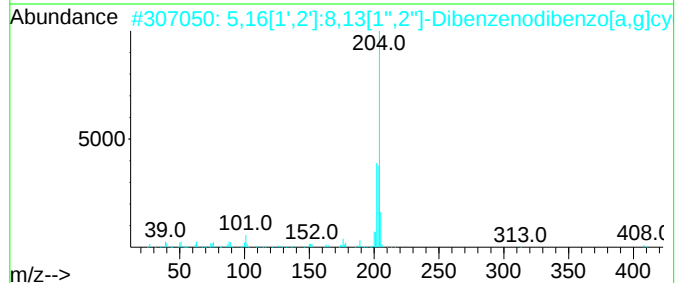
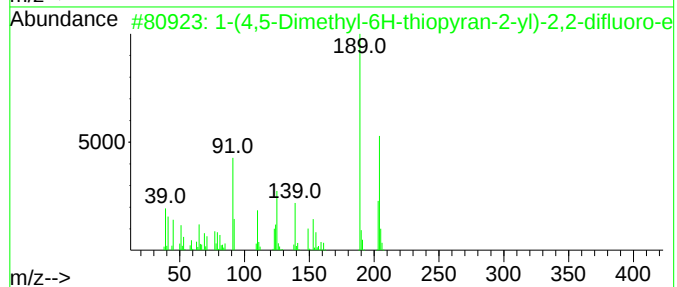
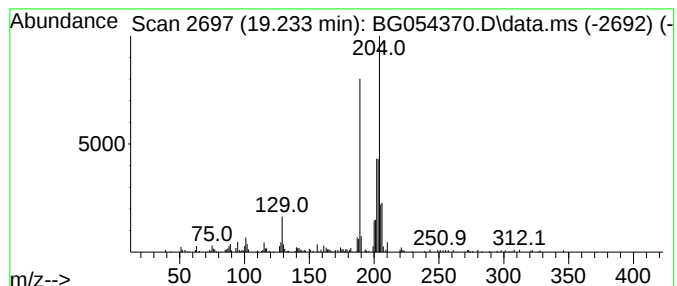
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 1-(4,5-Dimethyl-6H-thiopyra... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.233	8.60 ng	127284	Phenanthrene-d10	17.377

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-yl)-2,2-difluoro-	204	C9H10F2OS	1000318-25-0	53	
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52	
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50	
4	2,3-Dimethoxy-5-aminocinnamitrile	204	C11H12N2O2	1000214-46-5	43	
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38	



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
Sample : N3814-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(5-10)

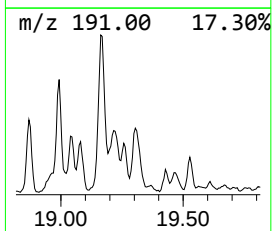
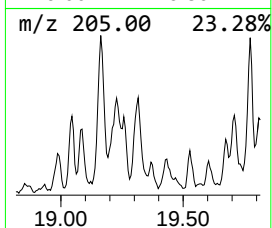
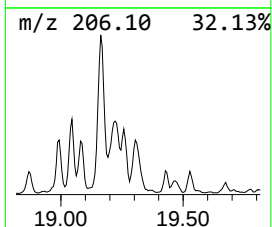
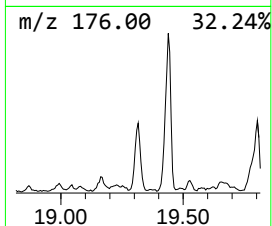
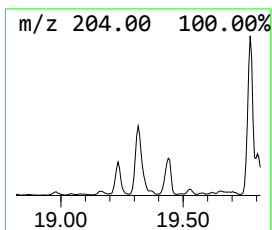
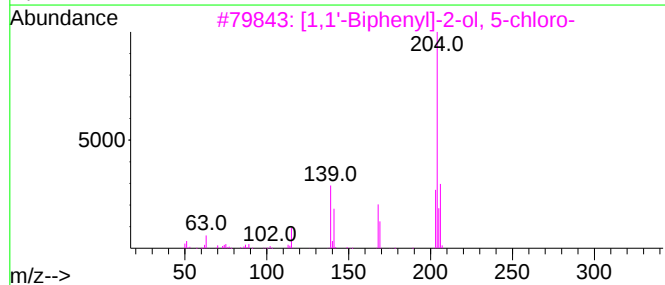
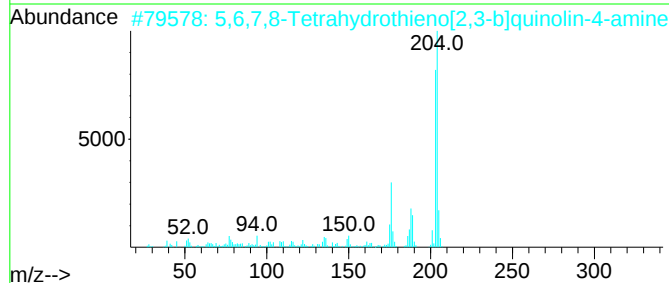
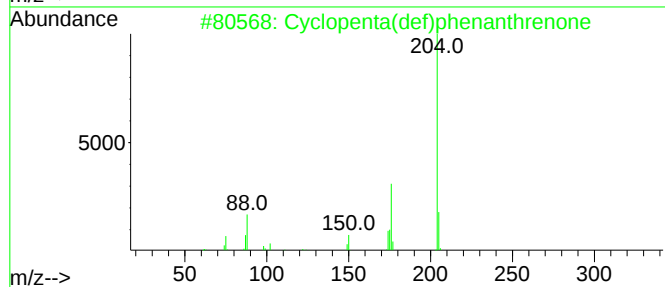
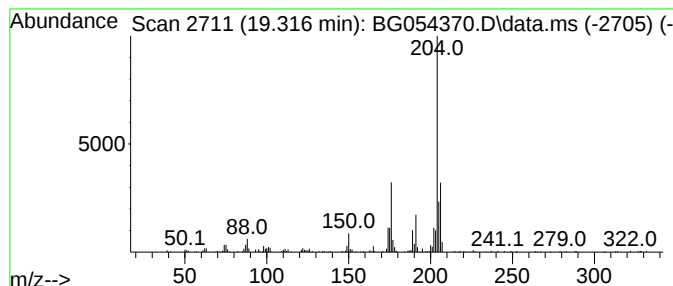
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.316	19.56 ng	289547	Phenanthrene-d10	17.377

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2			5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
3			[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
4			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5			Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054370.D
Acq On : 22 Jul 2022 22:10
Operator : CG/JU
Sample : N3814-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ENV-DE-2(5-10)

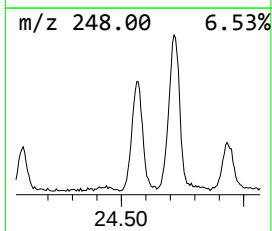
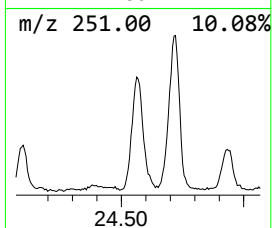
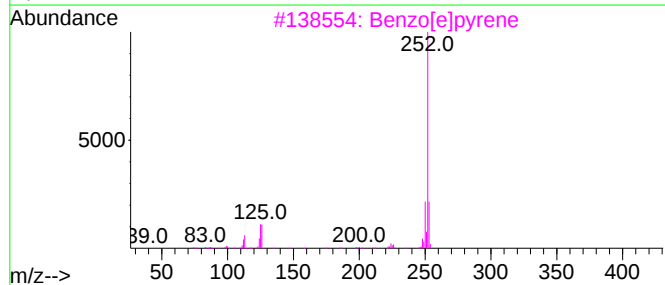
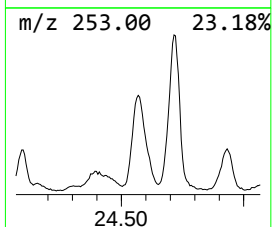
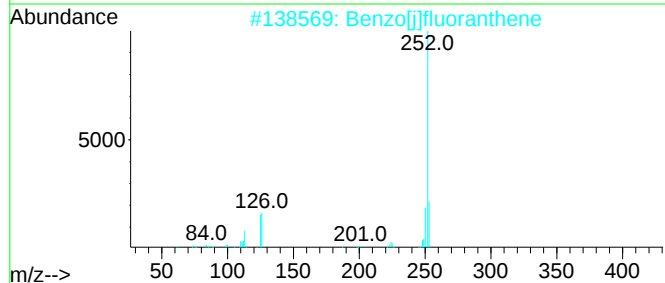
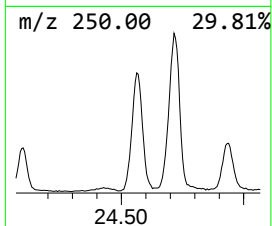
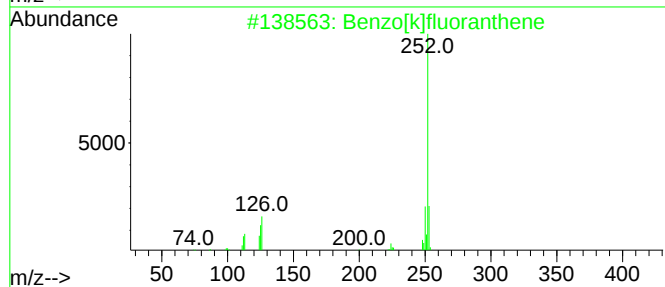
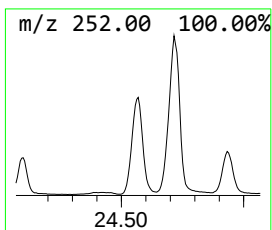
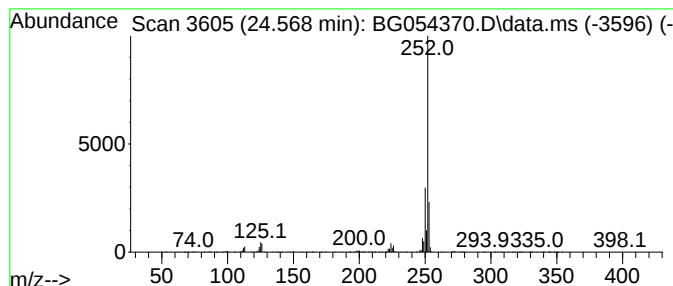
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.568	14.24 ng	1429910	Perylene-d12	24.856

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2			Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
3			Benzo[e]pyrene	252	C20H12	000192-97-2	93
4			Perylene	252	C20H12	000198-55-0	90
5			Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
 Data File : BG054370.D
 Acq On : 22 Jul 2022 22:10
 Operator : CG/JU
 Sample : N3814-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-2(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Naphthalene, 1,...	13.951	10.4	ng	156541	3	14.627	301501	20.0
Dibenzofuran, 4...	15.967	8.8	ng	132706	3	14.627	301501	20.0
9H-Fluorene, 2-...	16.678	13.4	ng	198572	4	17.377	296064	20.0
9H-Fluoren-9-one	17.030	11.1	ng	164540	4	17.377	296064	20.0
4-(4-Methylphen...	17.118	9.9	ng	147090	4	17.377	296064	20.0
Dibenzothiophene	17.195	17.1	ng	253085	4	17.377	296064	20.0
Dibenzothiophen...	17.958	10.2	ng	151406	4	17.377	296064	20.0
Anthracene, 9-m...	18.252	44.5	ng	659410	4	17.377	296064	20.0
Phenanthrene, 1...	18.299	51.9	ng	768775	4	17.377	296064	20.0
Anthracene, 2-m...	18.381	22.7	ng	336348	4	17.377	296064	20.0
Benzaldehyde, 3...	18.446	71.4	ng	1056680	4	17.377	296064	20.0
Anthracene, 1-m...	18.481	25.2	ng	373156	4	17.377	296064	20.0
Naphthalene, 2-...	18.746	27.8	ng	411845	4	17.377	296064	20.0
9,10-Anthracene...	18.793	19.7	ng	291416	4	17.377	296064	20.0
Anthracene, 2-e...	18.993	12.8	ng	189878	4	17.377	296064	20.0
Phenanthrene, 3...	19.081	7.5	ng	111016	4	17.377	296064	20.0
Phenanthrene, 2...	19.163	28.3	ng	419162	4	17.377	296064	20.0
1-(4,5-Dimethyl...	19.233	8.6	ng	127284	4	17.377	296064	20.0
Cyclopenta(def)...	19.316	19.6	ng	289547	4	17.377	296064	20.0
Benzo[j]fluoran...	24.568	14.2	ng	1429910	6	24.856	2008920	20.0