

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
 Data File : BM020323.D
 Acq On : 13 May 2019 19:22
 Operator : JU/SJ
 Sample : K2808-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RT-2683-RT-5156

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.340	395	400	410	rBV	751090	1145960	43.55%	3.149%
2	6.928	664	670	682	rBV	709746	1141541	43.38%	3.137%
3	7.293	725	732	748	rVB	754801	1247480	47.41%	3.428%
4	7.757	804	811	818	rBV	173947	277416	10.54%	0.762%
5	8.075	858	865	878	rVB	583584	934710	35.52%	2.569%
6	8.922	1002	1009	1026	rBV	388497	708763	26.93%	1.948%
7	10.551	1279	1286	1299	rBV	172149	314041	11.93%	0.863%
8	13.022	1699	1706	1720	rBV	992566	1474231	56.02%	4.051%
9	13.233	1737	1742	1747	rBV	21046	27024	1.03%	0.074%
10	13.580	1792	1801	1810	rBV3	26096	59432	2.26%	0.163%
11	13.722	1819	1825	1831	rBV2	44372	78396	2.98%	0.215%
12	13.863	1843	1849	1856	rBV	101755	140252	5.33%	0.385%
13	13.957	1856	1865	1869	rBV3	23593	56468	2.15%	0.155%
14	14.404	1930	1941	1947	rBV2	277161	453424	17.23%	1.246%
15	14.469	1947	1952	1960	rVB	285447	415106	15.77%	1.141%
16	14.604	1970	1975	1985	rBV4	13167	32312	1.23%	0.089%
17	14.710	1987	1993	1999	rBV3	31195	46100	1.75%	0.127%
18	14.804	2003	2009	2017	rBV	194261	305306	11.60%	0.839%
19	14.874	2017	2021	2026	rVB	22895	31999	1.22%	0.088%
20	15.022	2041	2046	2051	rBV3	23738	39171	1.49%	0.108%
21	15.074	2051	2055	2063	rVB3	22684	39502	1.50%	0.109%
22	15.192	2066	2075	2078	rBV2	16964	33079	1.26%	0.091%
23	15.457	2113	2120	2130	rBV	418862	628176	23.87%	1.726%
24	15.545	2130	2135	2137	rVV3	31041	47421	1.80%	0.130%
25	15.574	2137	2140	2143	rVV	51373	76714	2.92%	0.211%
26	15.616	2143	2147	2151	rVV2	76426	118579	4.51%	0.326%
27	15.663	2151	2155	2158	rVV2	24738	36089	1.37%	0.099%
28	15.704	2158	2162	2165	rVV2	37619	57247	2.18%	0.157%
29	15.745	2165	2169	2177	rVB	93796	139282	5.29%	0.383%
30	15.898	2189	2195	2203	rBV	925813	1377753	52.36%	3.786%
31	15.986	2207	2210	2215	rVB	23238	32163	1.22%	0.088%
32	16.251	2246	2255	2261	rBV3	48964	74284	2.82%	0.204%
33	16.457	2279	2290	2295	rBV3	106201	227496	8.65%	0.625%
34	16.504	2295	2298	2304	rVB2	46435	66560	2.53%	0.183%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.604	2310	2315	2320	rVB3	44384	69810	2.65%	0.192%
36	16.680	2320	2328	2331	rBV2	38164	79353	3.02%	0.218%
37	16.721	2331	2335	2339	rVB2	41958	56496	2.15%	0.155%
38	16.810	2347	2350	2357	rVB5	28262	49179	1.87%	0.135%
39	16.880	2357	2362	2363	rBV	46879	54550	2.07%	0.150%
40	16.904	2363	2366	2374	rVV	67683	107365	4.08%	0.295%
41	16.974	2374	2378	2390	rVB	104587	168385	6.40%	0.463%
42	17.157	2403	2409	2412	rBV	357422	534871	20.33%	1.470%
43	17.198	2412	2416	2424	rVV	1805259	2501571	95.06%	6.874%
44	17.286	2426	2431	2438	rVV	398254	570573	21.68%	1.568%
45	17.351	2439	2442	2447	rVB2	38811	57839	2.20%	0.159%
46	17.568	2471	2479	2493	rVB4	56845	166422	6.32%	0.457%
47	17.674	2493	2497	2503	rBV3	31518	53550	2.04%	0.147%
48	17.733	2503	2507	2516	rVB5	21736	52359	1.99%	0.144%
49	17.874	2527	2531	2536	rBV	17737	29030	1.10%	0.080%
50	18.027	2550	2557	2562	rBV2	243783	416896	15.84%	1.146%
51	18.080	2562	2566	2573	rVV	285386	430533	16.36%	1.183%
52	18.157	2573	2579	2585	rVV	157727	248322	9.44%	0.682%
53	18.227	2585	2591	2595	rVV4	366437	661109	25.12%	1.817%
54	18.262	2595	2597	2606	rVB2	138859	173338	6.59%	0.476%
55	18.339	2606	2610	2614	rBV3	24599	28920	1.10%	0.079%
56	18.533	2638	2643	2648	rBV	141674	195271	7.42%	0.537%
57	18.780	2681	2685	2689	rBV2	53280	69186	2.63%	0.190%
58	18.827	2689	2693	2697	rBV	53866	61026	2.32%	0.168%
59	18.868	2697	2700	2704	rVB	50808	56117	2.13%	0.154%
60	18.945	2708	2713	2718	rBV2	99688	177077	6.73%	0.487%
61	19.015	2719	2725	2728	rBV3	45188	80637	3.06%	0.222%
62	19.086	2733	2737	2747	rVB5	37134	102160	3.88%	0.281%
63	19.221	2753	2760	2766	rBV	1913442	2631440	100.00%	7.231%
64	19.280	2766	2770	2773	rVV	30698	39343	1.50%	0.108%
65	19.315	2773	2776	2781	rVB2	58610	75688	2.88%	0.208%
66	19.462	2795	2801	2806	rBV2	46418	85943	3.27%	0.236%
67	19.551	2810	2816	2818	rBV2	341142	538830	20.48%	1.481%
68	19.580	2818	2821	2829	rVB	1293291	1819610	69.15%	5.000%
69	19.651	2829	2833	2839	rBV	97155	183134	6.96%	0.503%
70	19.780	2849	2855	2860	rBV	1582779	2161466	82.14%	5.940%
71	19.827	2860	2863	2871	rVB	178369	290719	11.05%	0.799%

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72	19.898	2871	2875	2884	rVB3	149447	375577	14.27%	1.032%
73	19.968	2884	2887	2892	rBV2	28354	47253	1.80%	0.130%
74	20.080	2893	2906	2911	rBV	478729	889701	33.81%	2.445%
75	20.127	2911	2914	2917	rBV3	28689	35870	1.36%	0.099%
76	20.180	2917	2923	2927	rBV	484204	668101	25.39%	1.836%
77	20.233	2927	2932	2936	rVB2	137811	228123	8.67%	0.627%
78	20.274	2936	2939	2942	rVB	66035	69967	2.66%	0.192%
79	20.315	2943	2946	2951	rVB3	42145	59655	2.27%	0.164%
80	20.374	2952	2956	2960	rBV	102576	144115	5.48%	0.396%
81	20.421	2960	2964	2968	rBV2	94688	123840	4.71%	0.340%
82	20.604	2992	2995	3000	rBV3	34524	49586	1.88%	0.136%
83	20.668	3002	3006	3008	rVV2	65706	91558	3.48%	0.252%
84	20.703	3008	3012	3021	rVB3	95150	227558	8.65%	0.625%
85	20.786	3021	3026	3030	rBV2	97554	183276	6.96%	0.504%
86	20.992	3057	3061	3065	rBV	146105	217125	8.25%	0.597%
87	21.039	3065	3069	3072	rVV2	208381	270815	10.29%	0.744%
88	21.333	3114	3119	3125	rBV3	846842	1808884	68.74%	4.971%
89	21.386	3125	3128	3137	rVB	766668	967068	36.75%	2.657%
90	21.503	3145	3148	3155	rVB	69474	99840	3.79%	0.274%
91	21.674	3171	3177	3181	rBV2	104454	192218	7.30%	0.528%
92	21.903	3212	3216	3221	rVB	139075	223764	8.50%	0.615%
93	21.950	3222	3224	3230	rVB	102854	130330	4.95%	0.358%
94	22.103	3247	3250	3253	rBV3	57308	83015	3.15%	0.228%
95	22.945	3388	3393	3398	rBV	338787	735047	27.93%	2.020%
96	23.433	3471	3476	3481	rBV	218657	381691	14.51%	1.049%
97	23.527	3488	3492	3500	rVB	265605	522193	19.84%	1.435%
98	23.633	3504	3510	3515	rBV	323907	602520	22.90%	1.656%

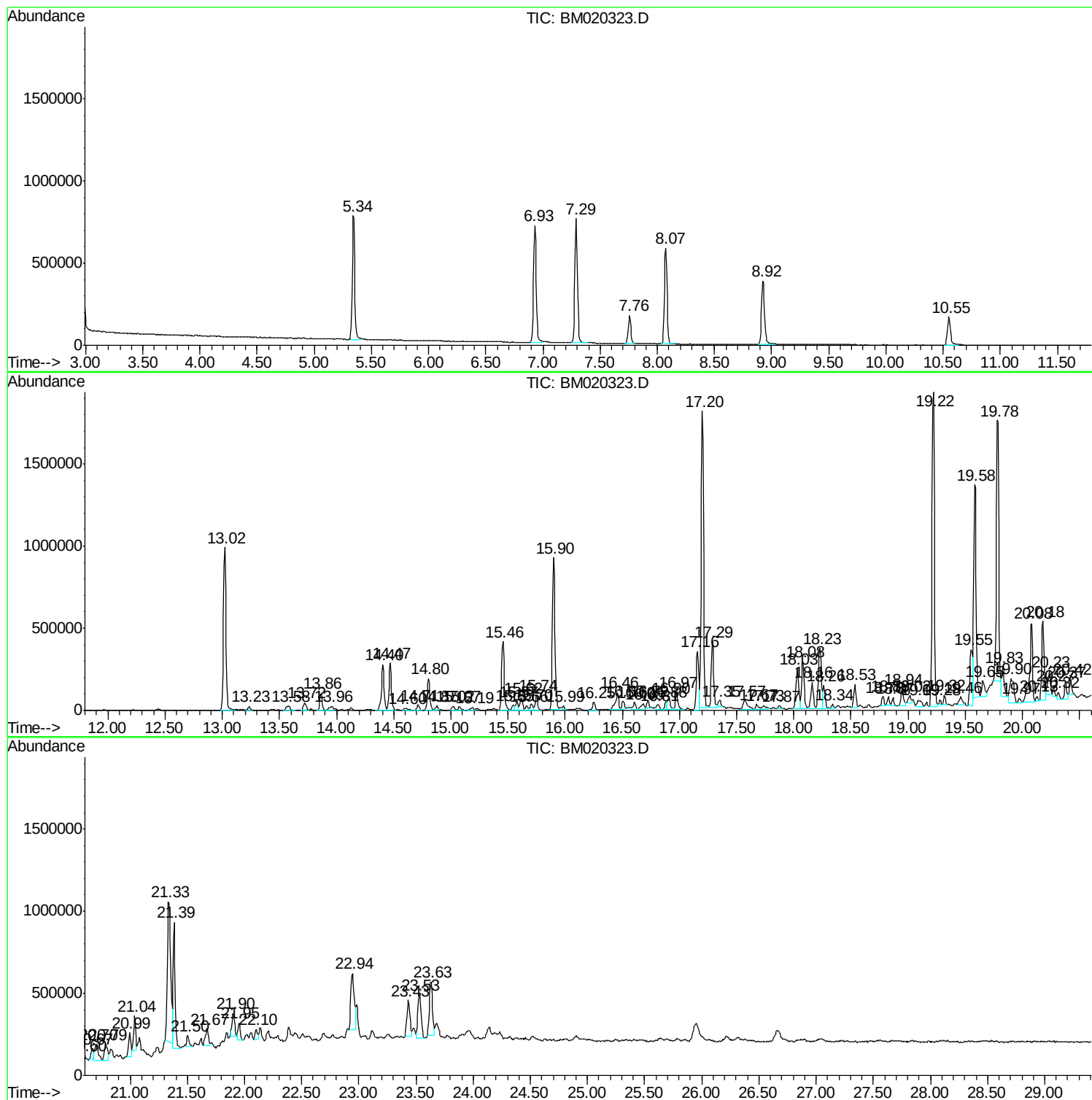
Sum of corrected areas: 36390285

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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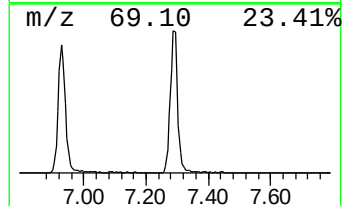
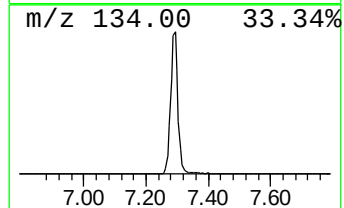
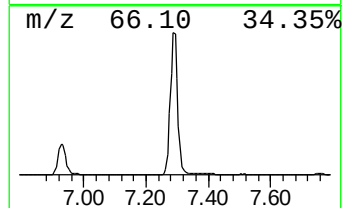
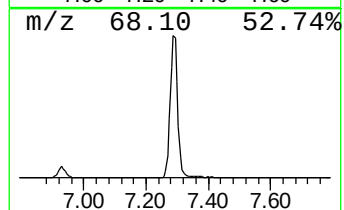
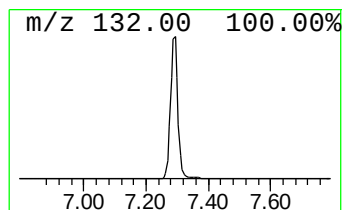
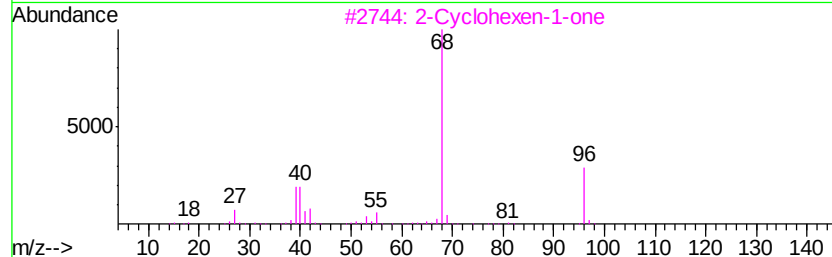
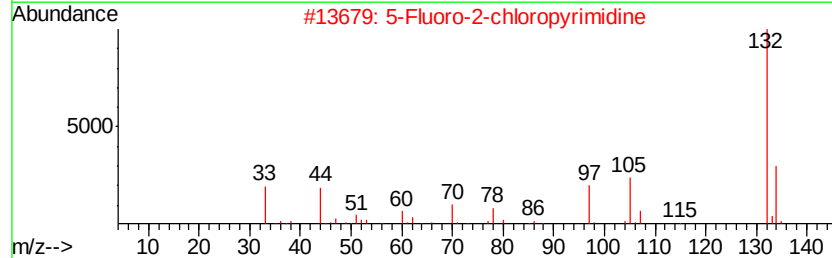
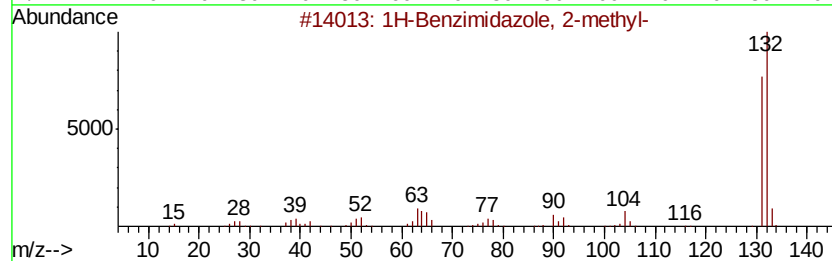
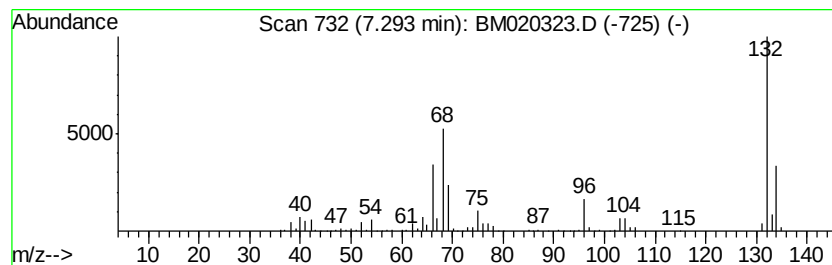
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown7.29 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.29	89.94 ng	1247480	1,4-Dichlorobenzene-d4	7.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
4		5-Aminoindole	132	C8H8N2	005192-03-0	10
5		Amphetaminil	250	C17H18N2	017590-01-1	10



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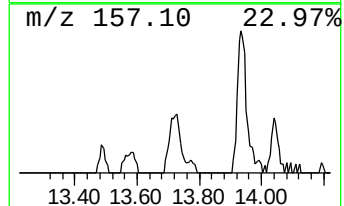
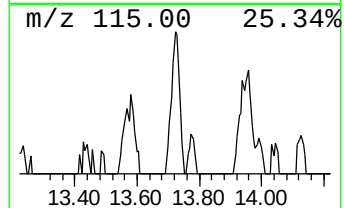
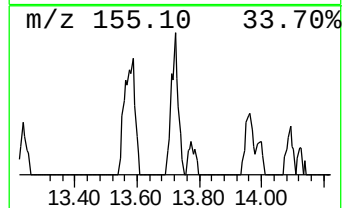
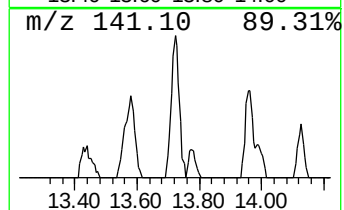
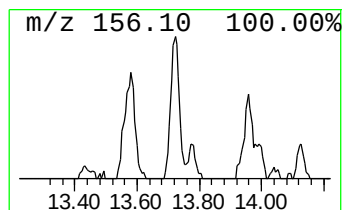
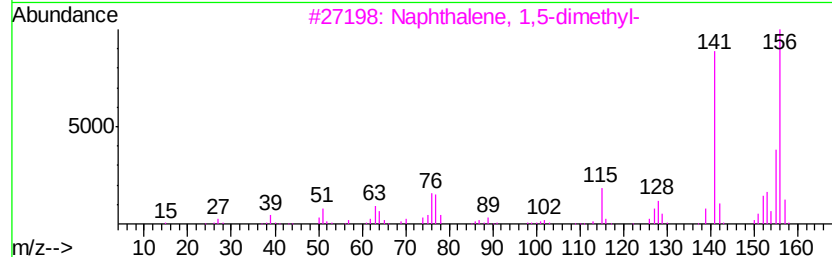
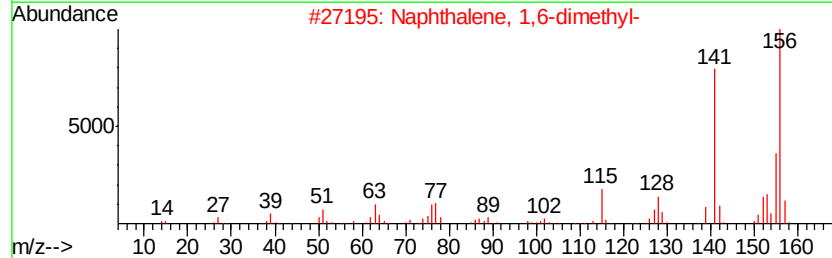
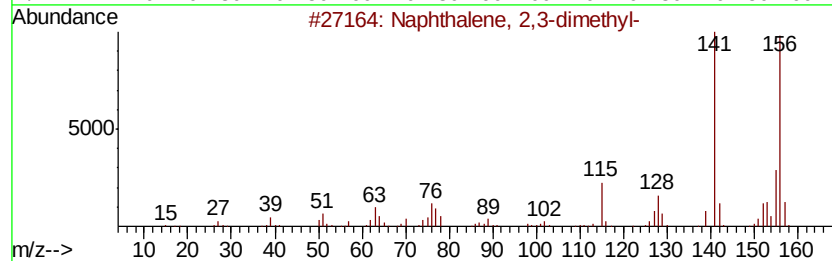
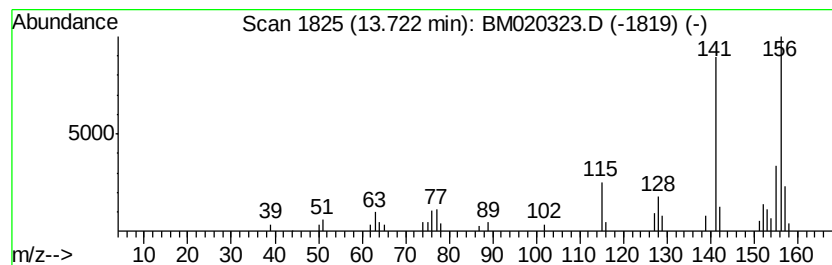
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	3.46 ng	78396	Acenaphthene-d10	14.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95



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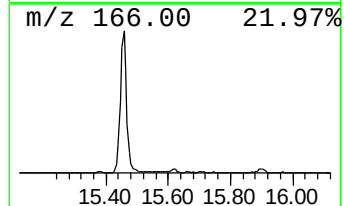
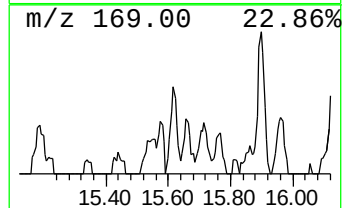
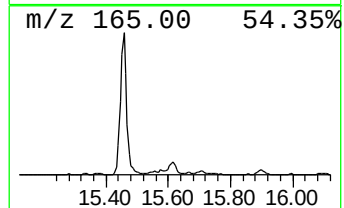
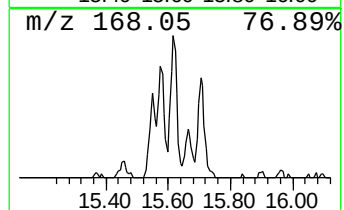
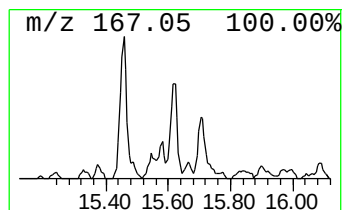
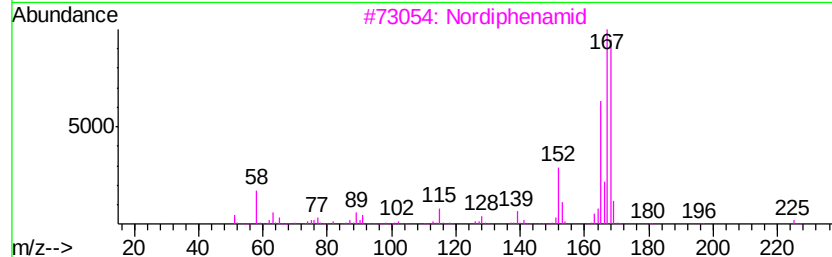
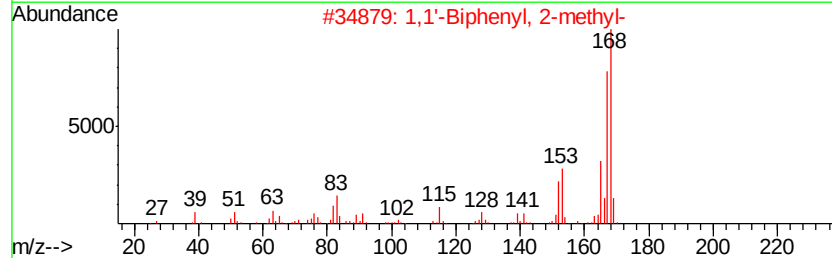
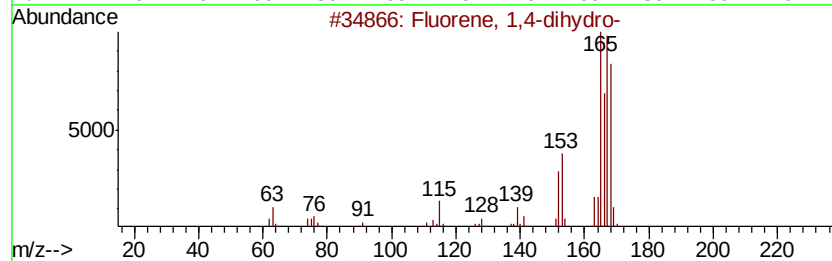
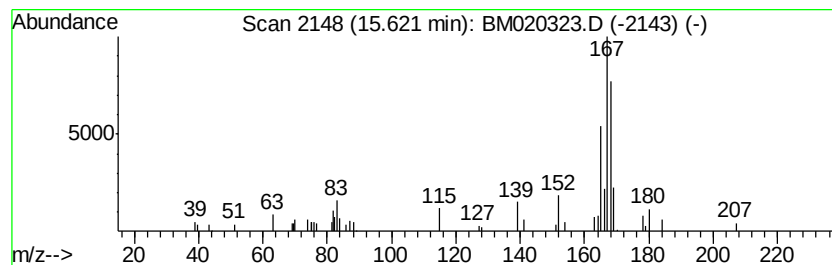
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Peak Number 4 Fluorene, 1,4-dihydro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.62	5.23 ng	118579	Acenaphthene-d10		14.40
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	89
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
3	Nordiphenamid	225	C15H15NO	000954-21-2	59
4	Diphenylmethane	168	C13H12	000101-81-5	53
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
Data File : BM020323.D
Acq On : 13 May 2019 19:22
Operator : JU/SJ
Sample : K2808-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

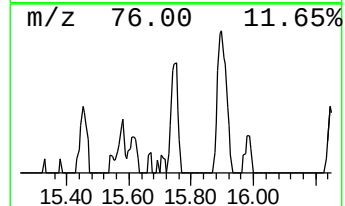
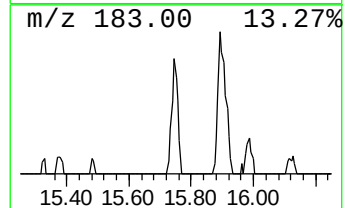
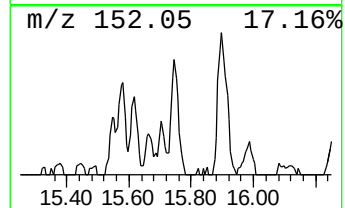
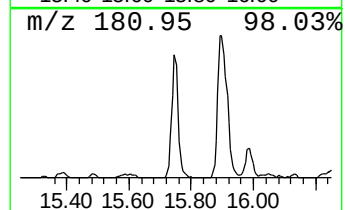
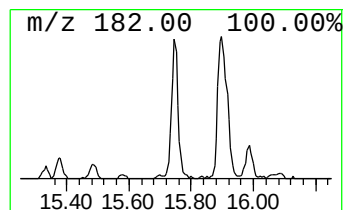
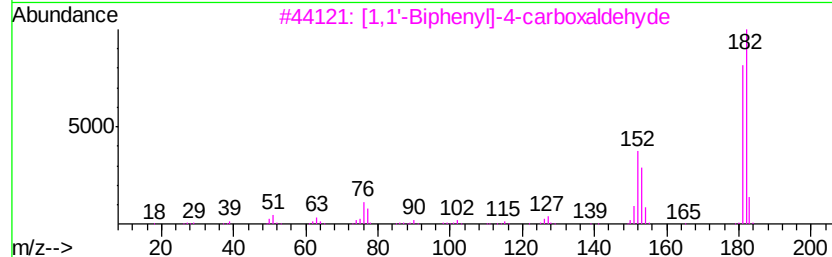
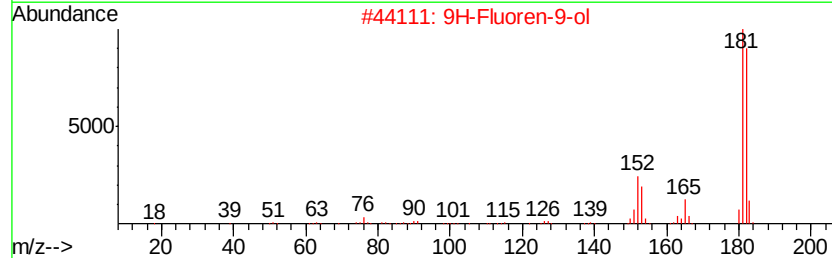
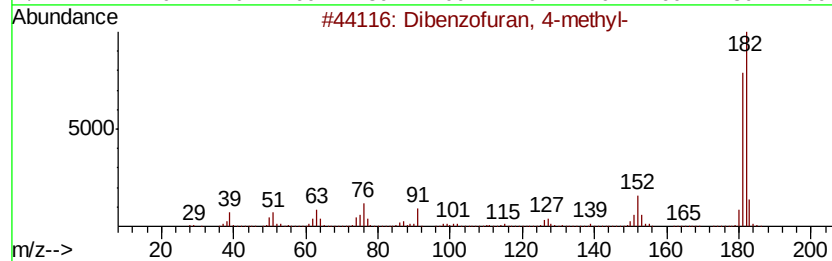
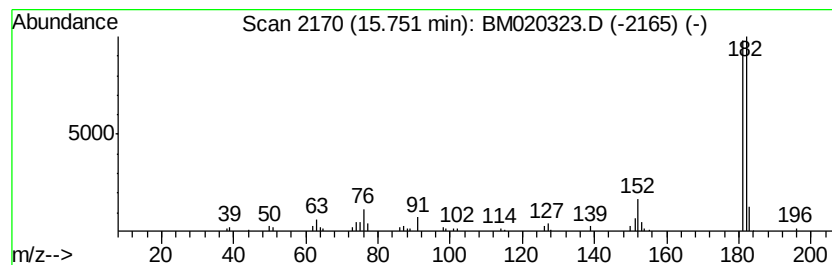
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ClientSampleId :
RT-2683-RT-5156

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.75	6.14 ng	139282	Acenaphthene-d10		14.40
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
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Acq On : 13 May 2019 19:22
Operator : JU/SJ
Sample : K2808-01
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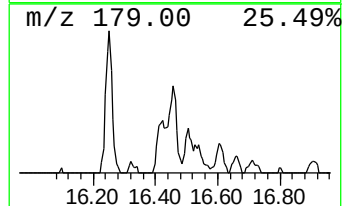
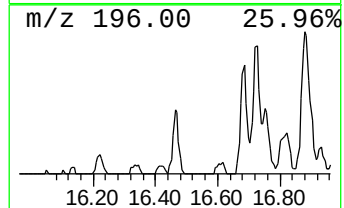
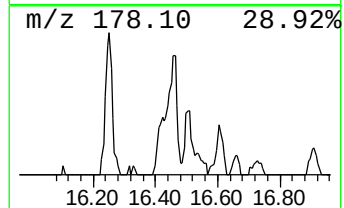
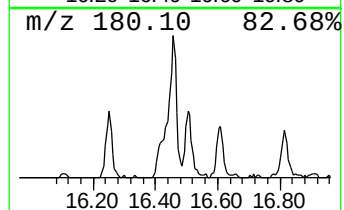
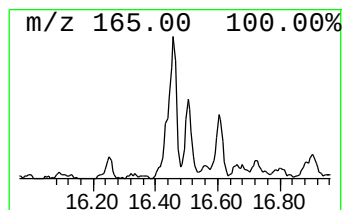
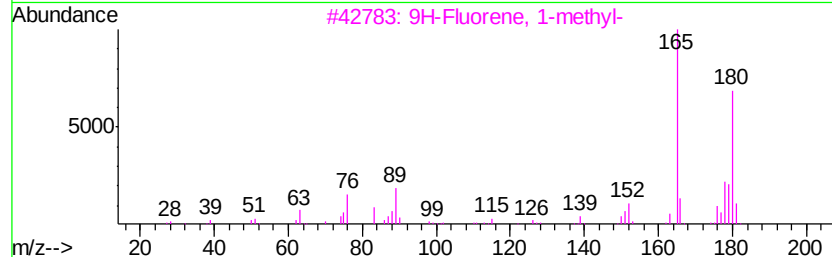
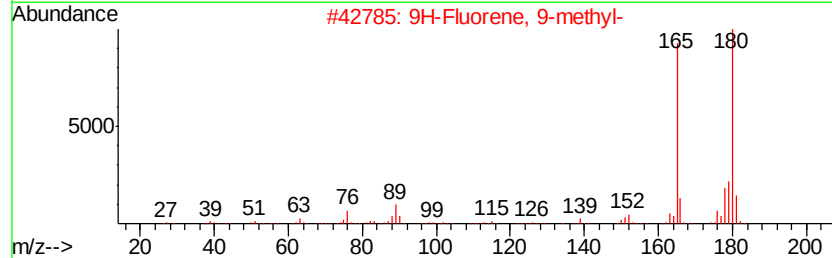
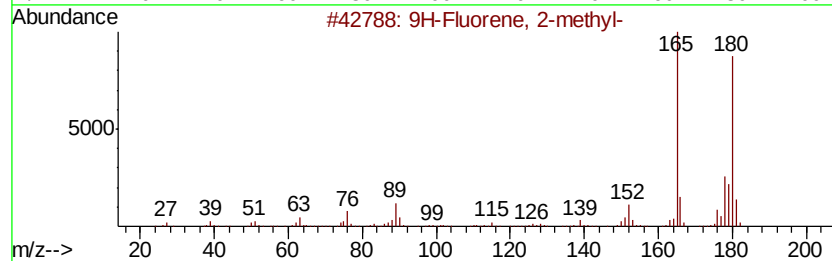
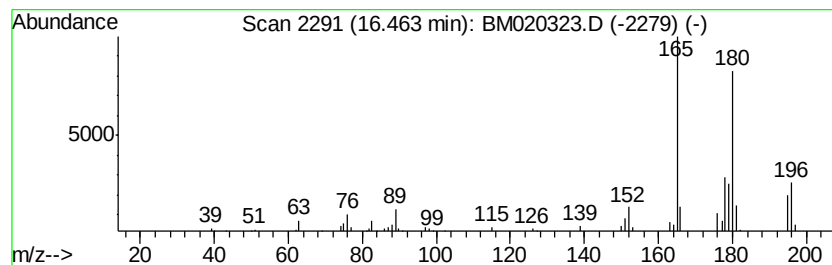
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.46	8.51 ng	227496	Phenanthrene-d10		17.16
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
Data File : BM020323.D
Acq On : 13 May 2019 19:22
Operator : JU/SJ
Sample : K2808-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

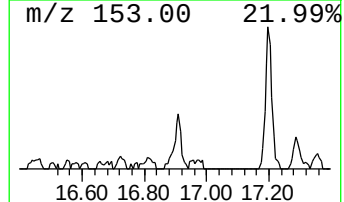
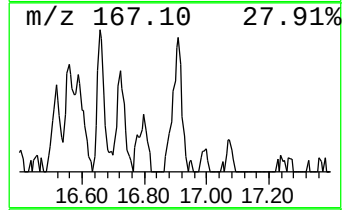
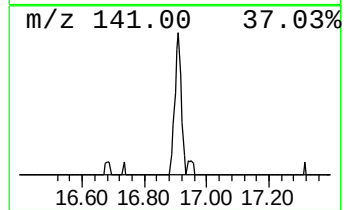
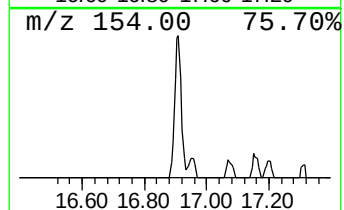
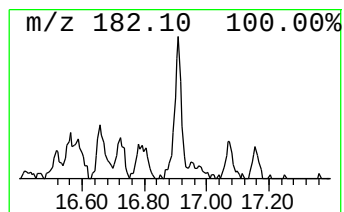
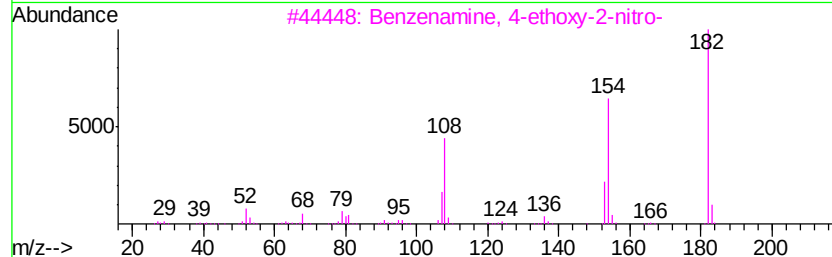
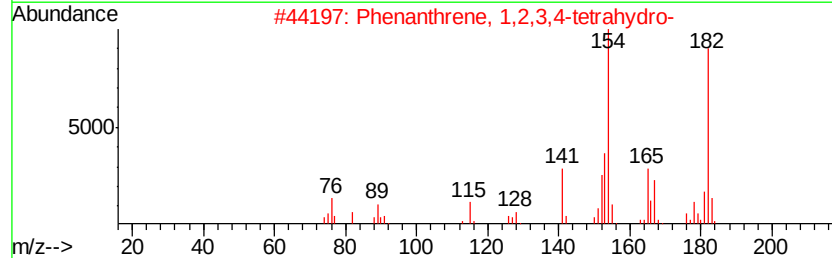
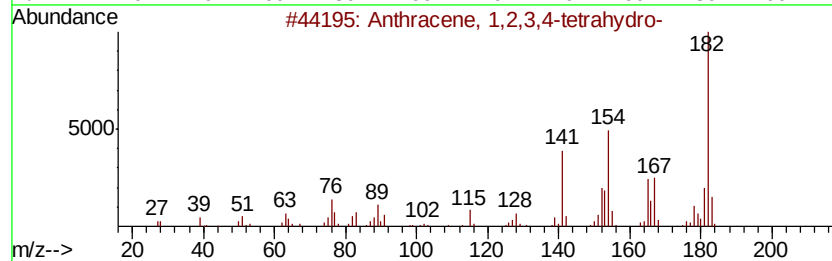
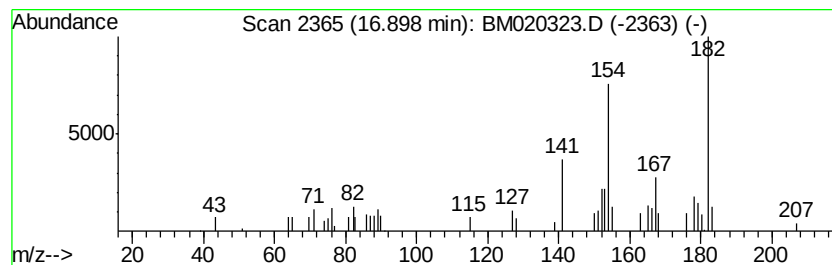
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.90	4.01 ng	107365	Phenanthrene-d10	17.16	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	81
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	52
3	Benzenamine, 4-ethoxy-2-nitro-	182	C8H10N2O3	000616-86-4	47
4	6-Chloro-3,4-dihydrocoumarin	182	C9H7ClO2	004377-63-3	46
5	1,2-Acenaphthylenedione	182	C12H6O2	000082-86-0	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
Data File : BM020323.D
Acq On : 13 May 2019 19:22
Operator : JU/SJ
Sample : K2808-01
Misc :
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Instrument :
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ClientSampleId :
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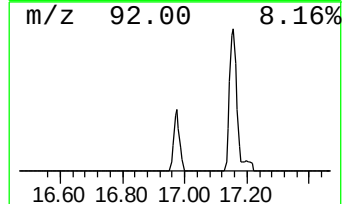
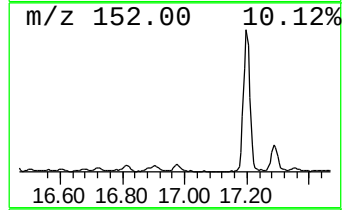
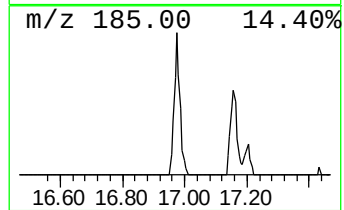
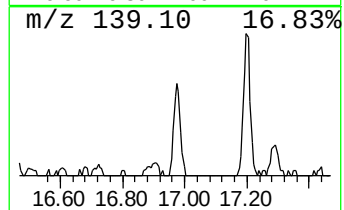
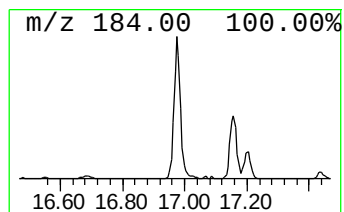
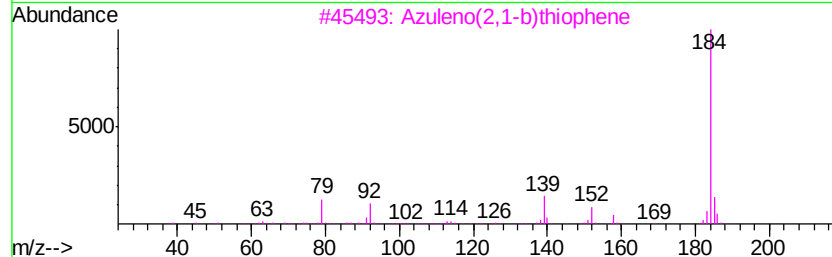
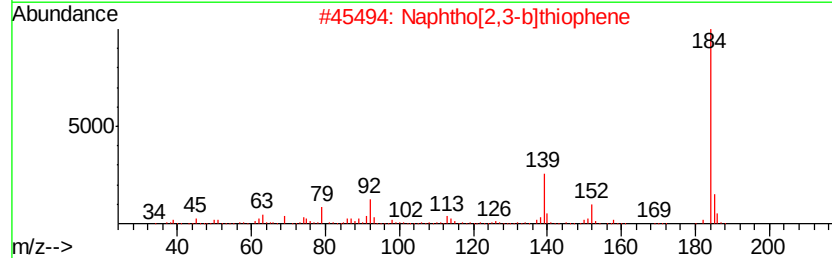
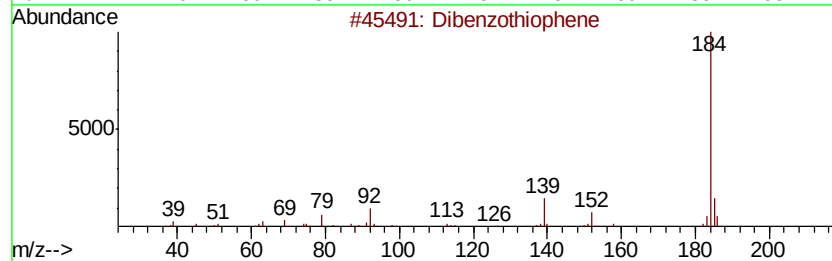
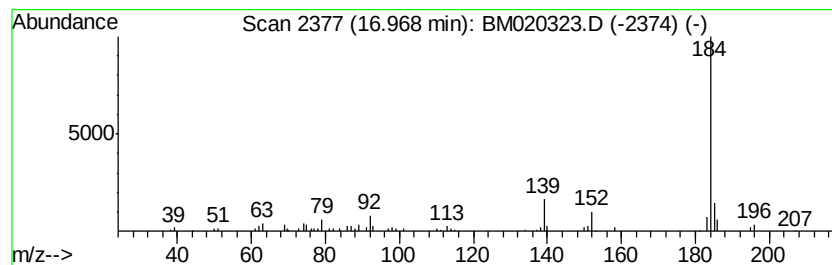
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	6.30 ng	168385	Phenanthrene-d10	17.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
4		Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	72
5		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
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Sample : K2808-01
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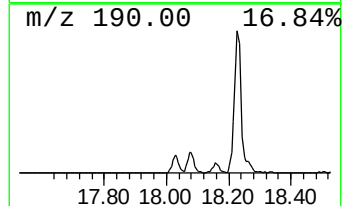
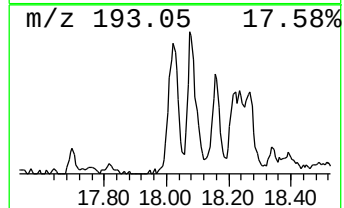
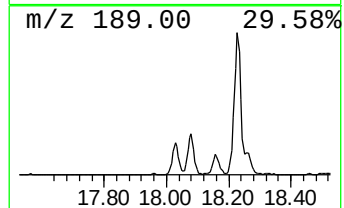
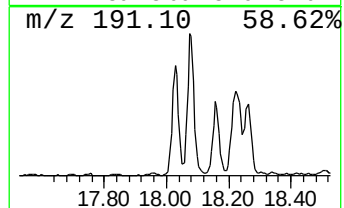
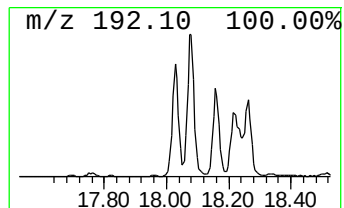
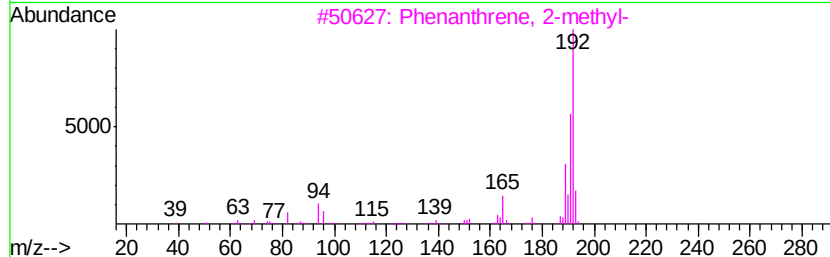
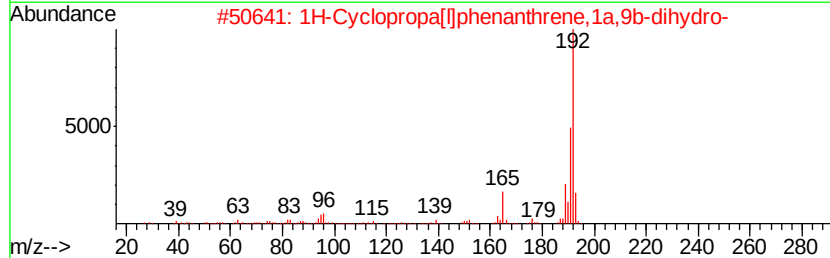
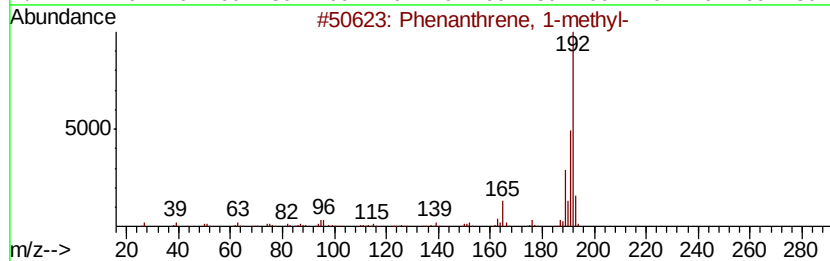
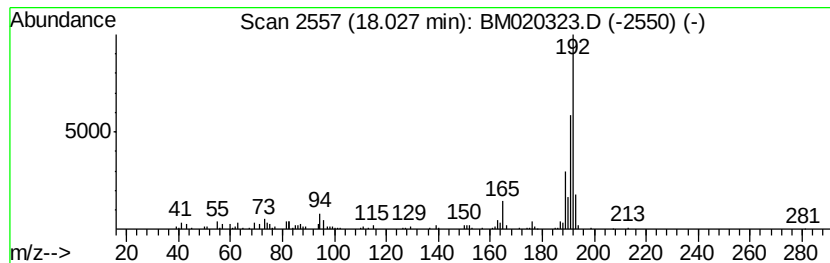
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.03	15.59 ng	416896	Phenanthrene-d10	17.16	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
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Acq On : 13 May 2019 19:22
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Sample : K2808-01
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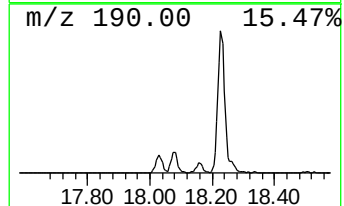
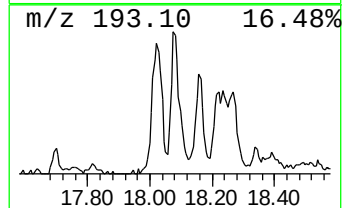
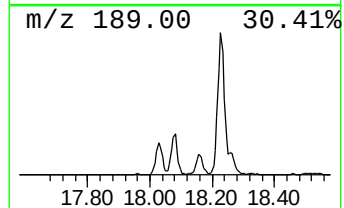
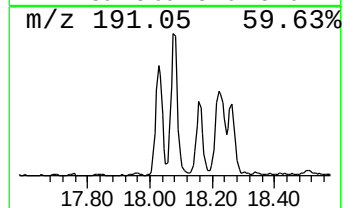
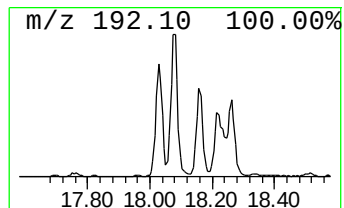
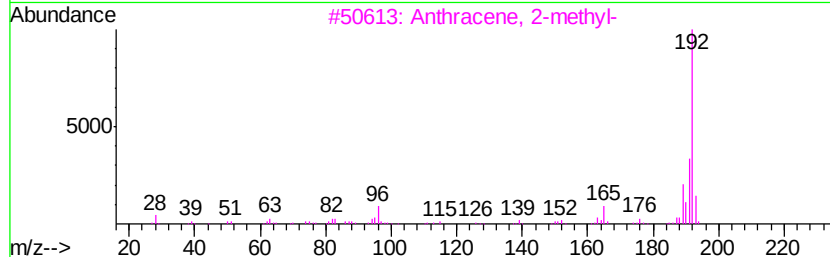
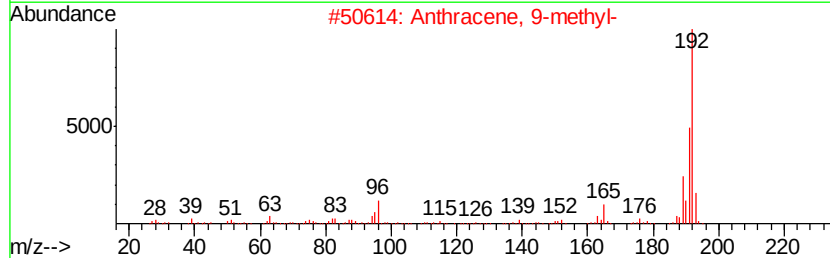
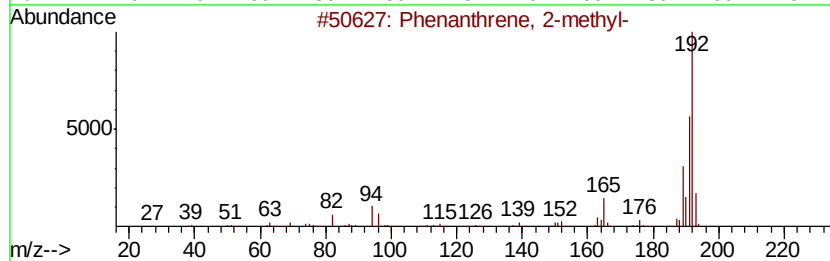
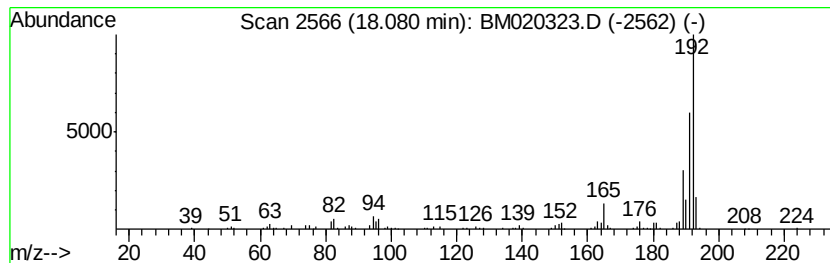
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.08	16.10 ng	430533	Phenanthrene-d10	17.16	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
Data File : BM020323.D
Acq On : 13 May 2019 19:22
Operator : JU/SJ
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RT-2683-RT-5156

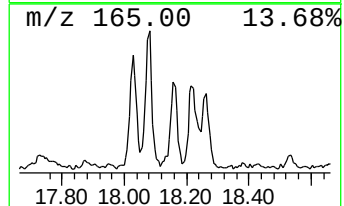
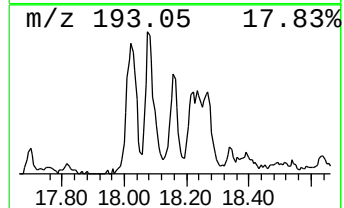
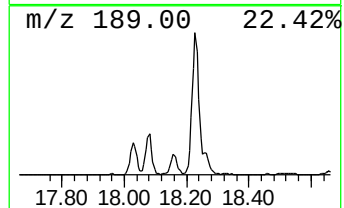
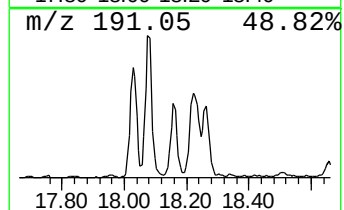
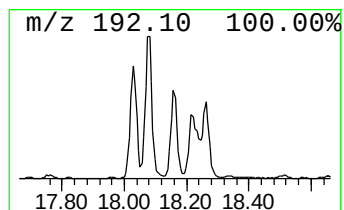
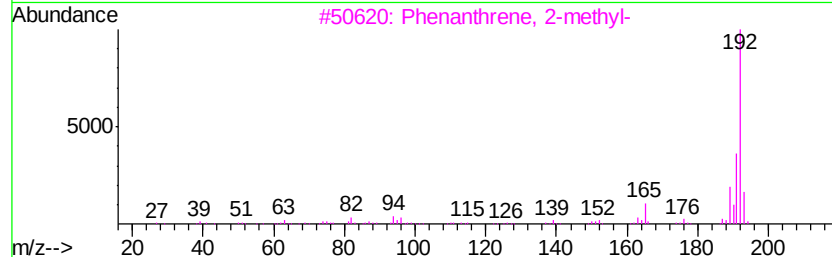
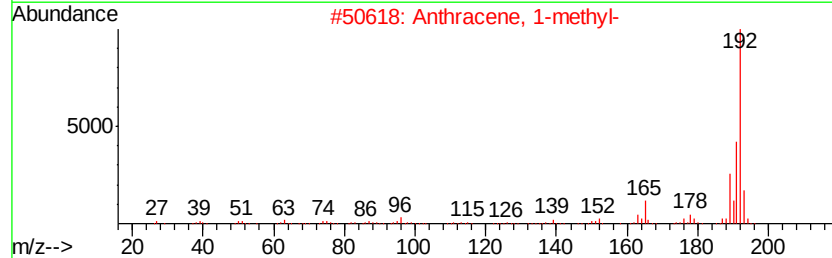
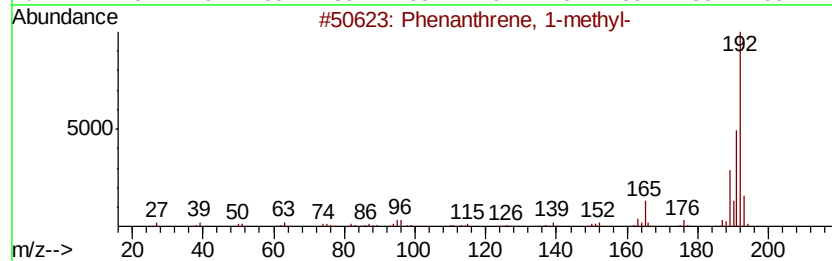
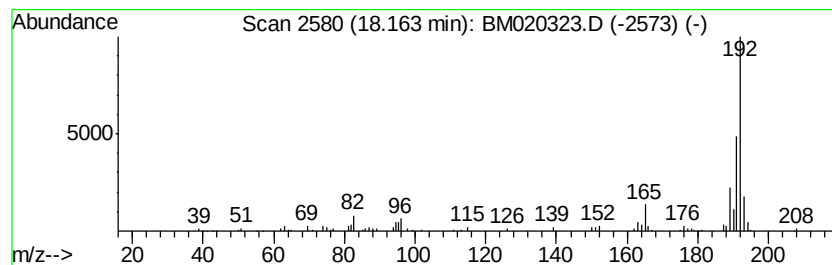
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	9.29 ng	248322	Phenanthrene-d10	17.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4			1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
Data File : BM020323.D
Acq On : 13 May 2019 19:22
Operator : JU/SJ
Sample : K2808-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

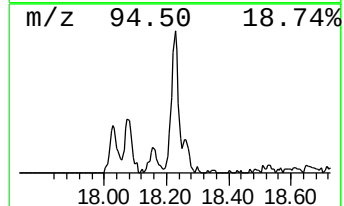
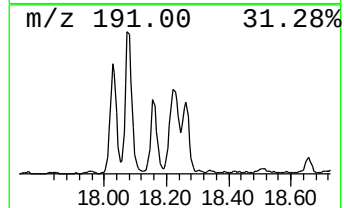
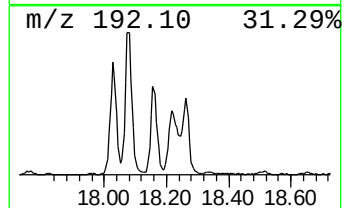
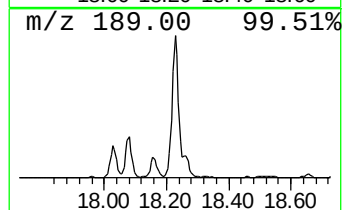
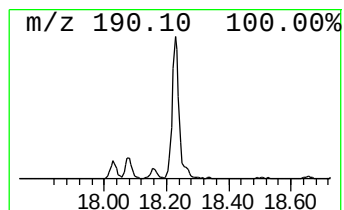
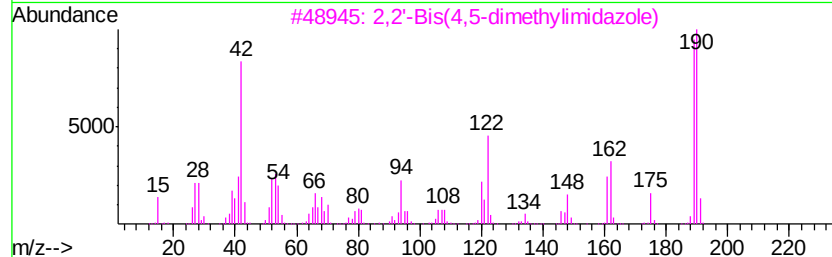
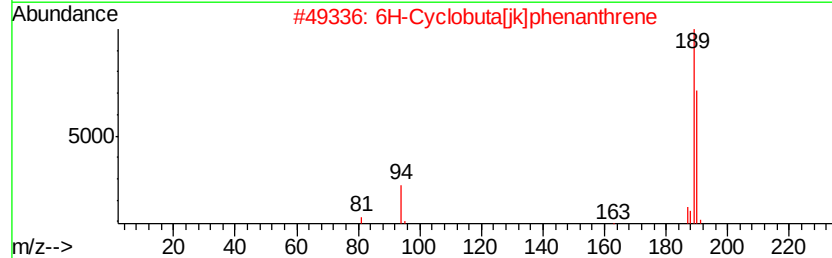
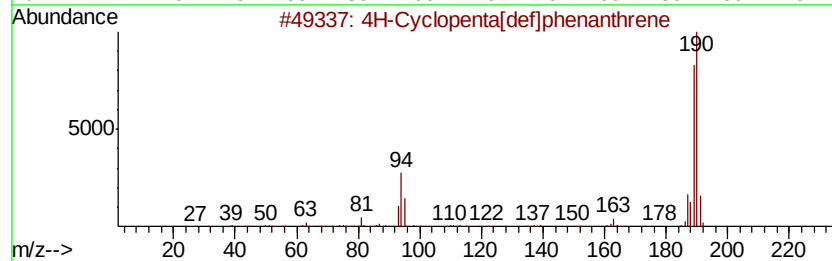
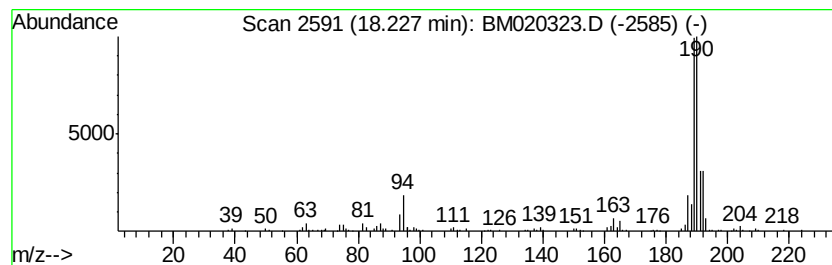
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.23	24.72 ng	661109	Phenanthrene-d10	17.16	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	Hydrazinecarboxaldehyde, 2-[3-(m...	190	C4H6N4O5	038362-25-3	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
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Sample : K2808-01
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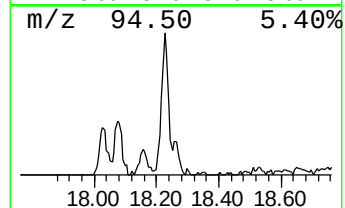
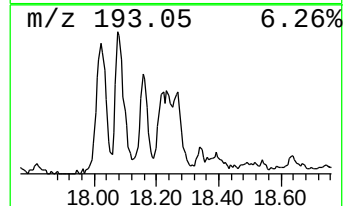
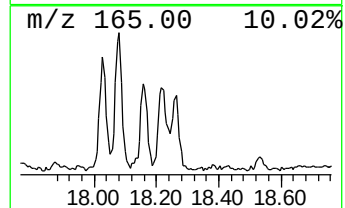
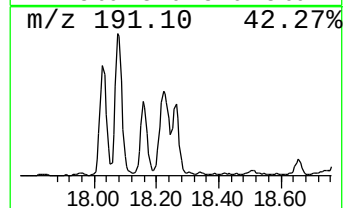
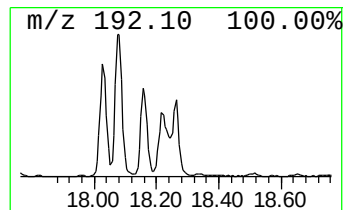
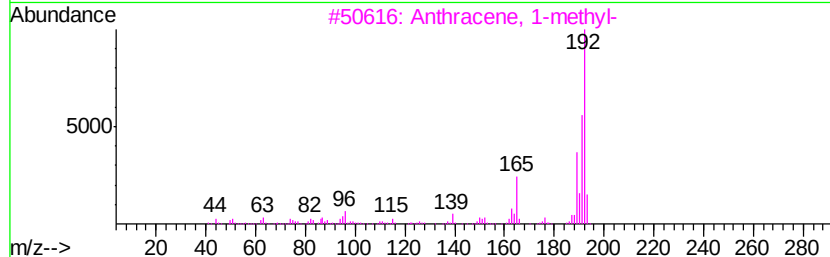
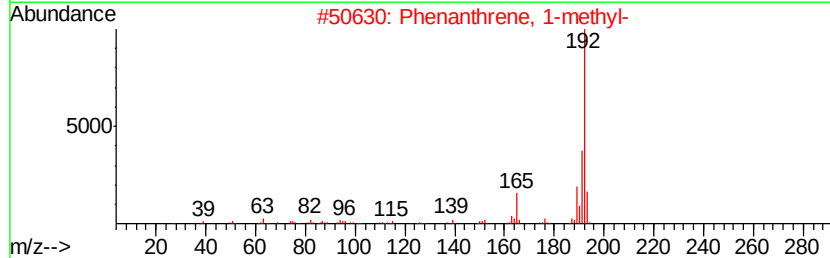
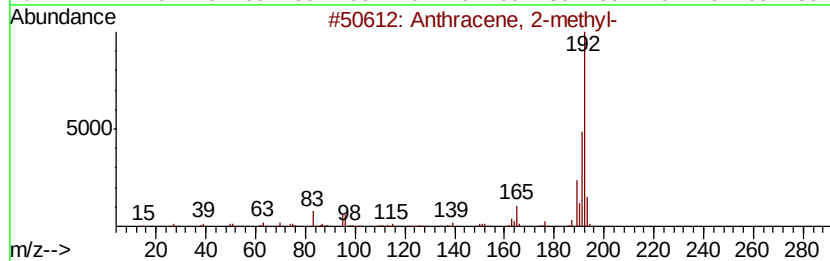
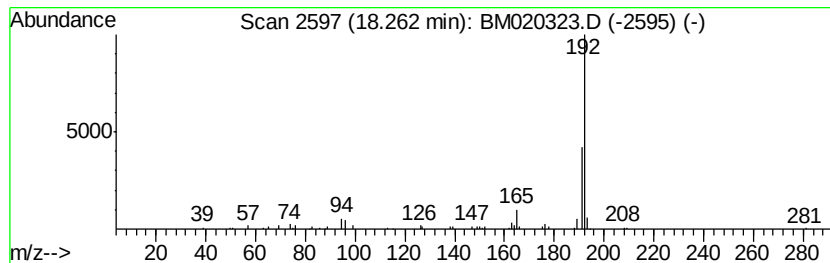
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.26	6.48 ng	173338	Phenanthrene-d10	17.16	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
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Instrument :
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ClientSampleId :
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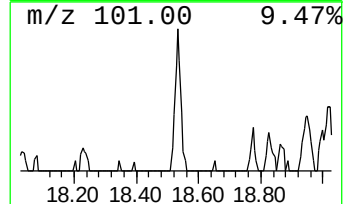
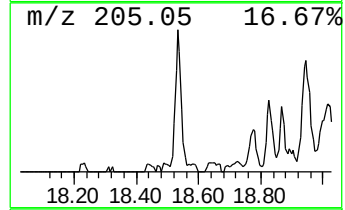
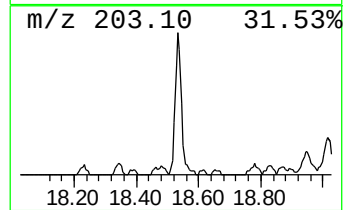
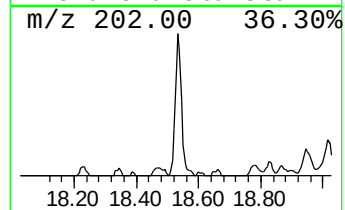
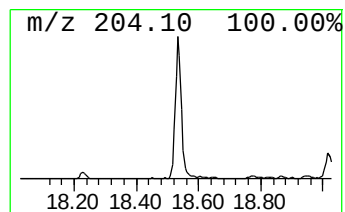
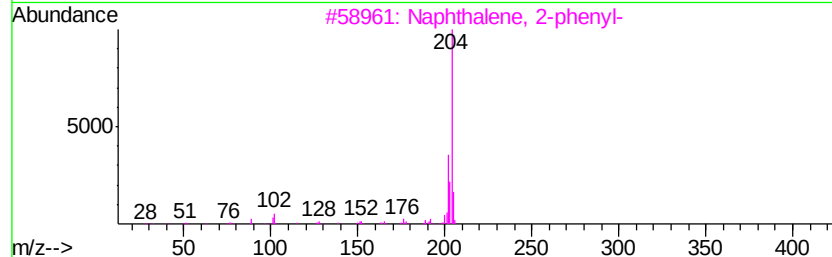
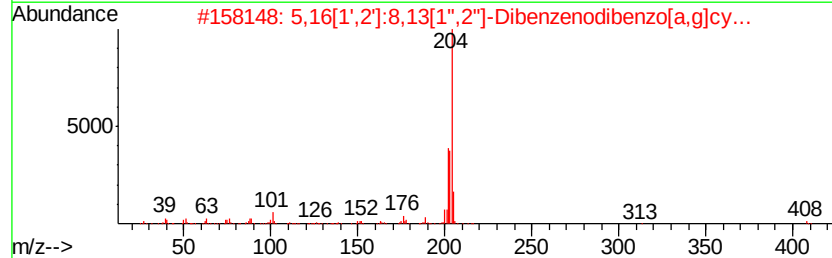
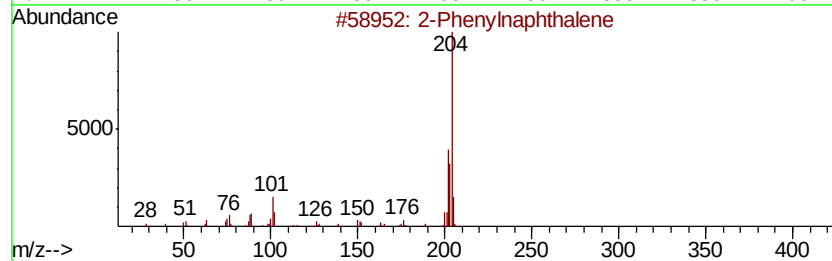
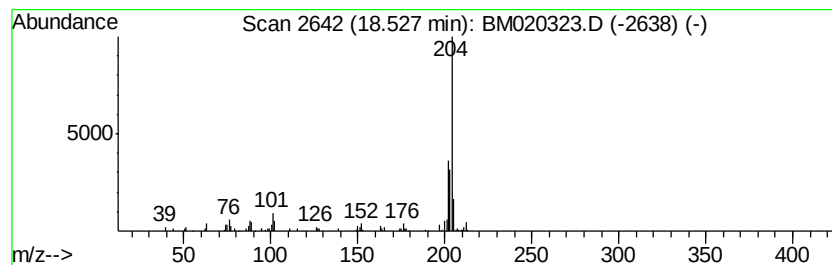
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 2-Phenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	7.30 ng	195271	Phenanthrene-d10	17.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
2		5,16[1',2']: ^{8,13} [1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
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Misc :
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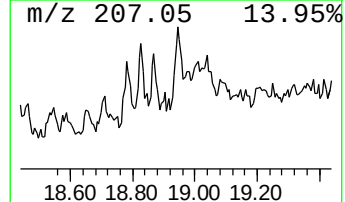
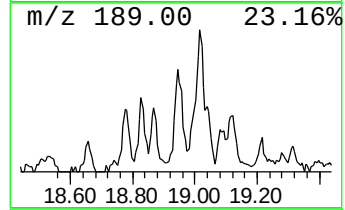
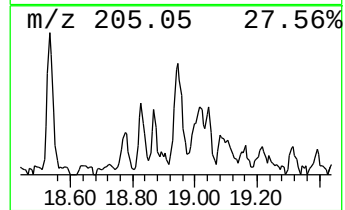
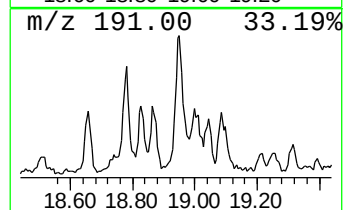
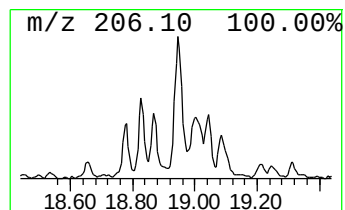
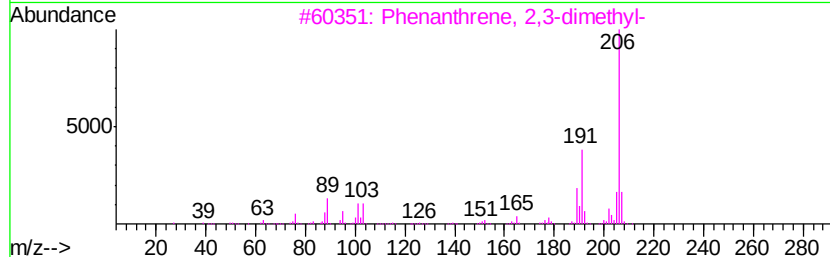
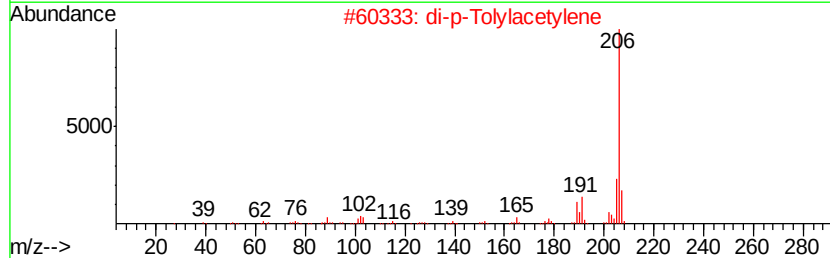
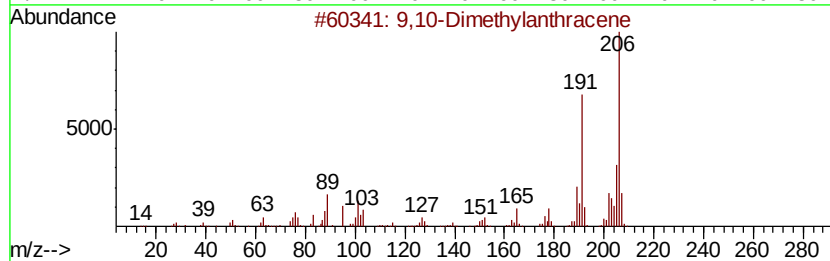
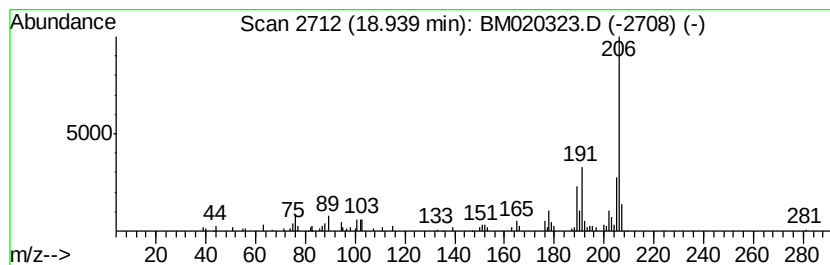
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 9,10-Dimethylantracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	6.62 ng	177077	Phenanthrene-d10	17.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
2			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
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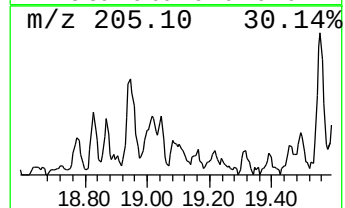
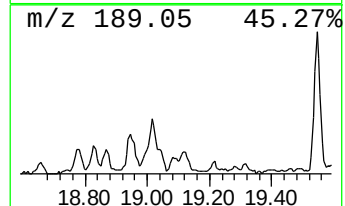
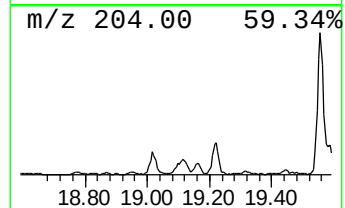
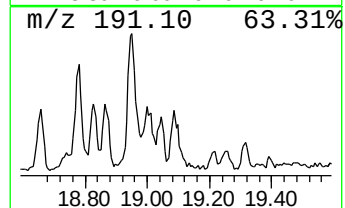
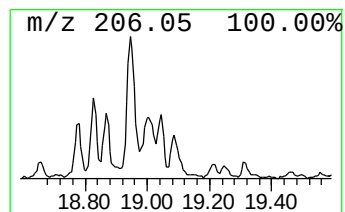
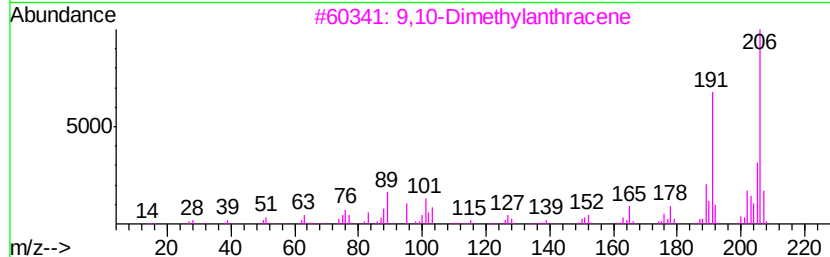
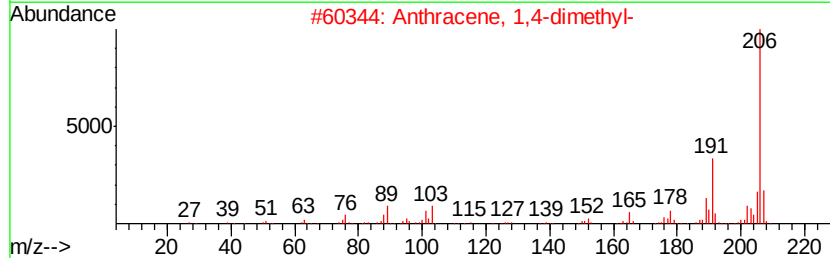
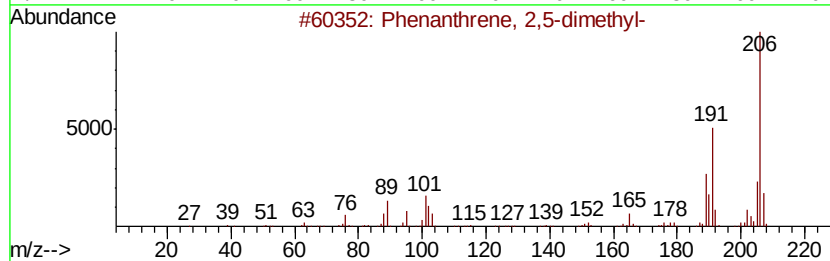
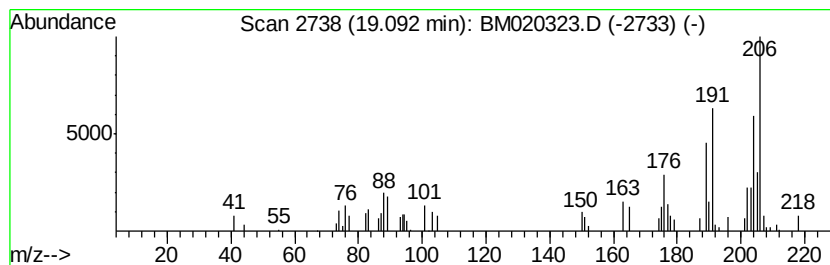
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.09	3.82 ng	102160	Phenanthrene-d10	17.16	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	76
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	70
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
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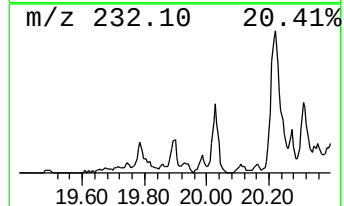
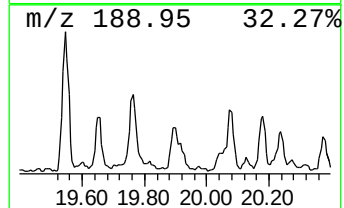
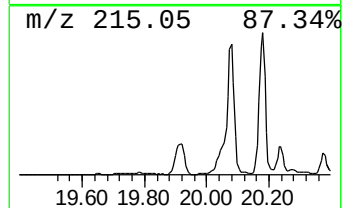
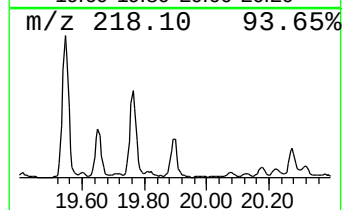
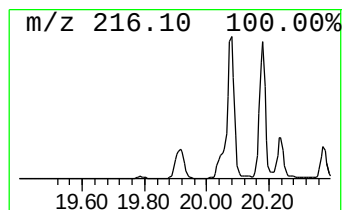
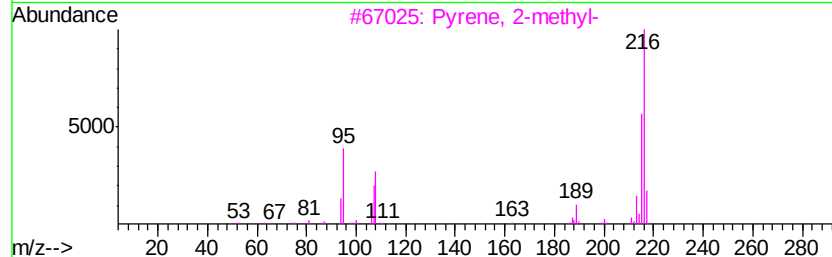
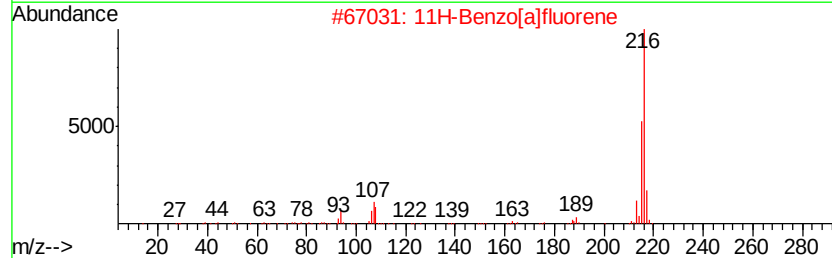
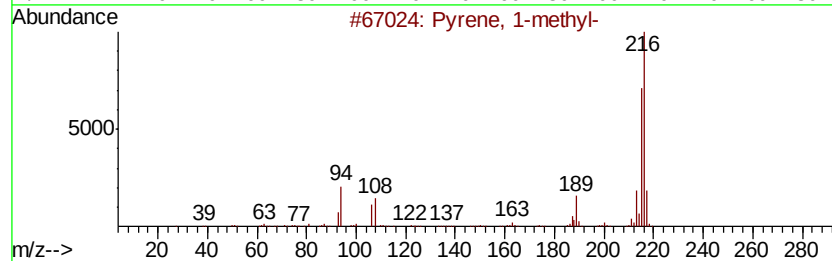
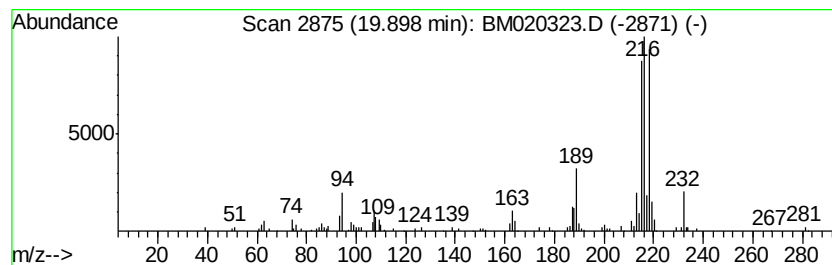
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
19.90	4.15 ng	375577	Chrysene-d12		21.35
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	60
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
Data File : BM020323.D
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ClientSampleId :
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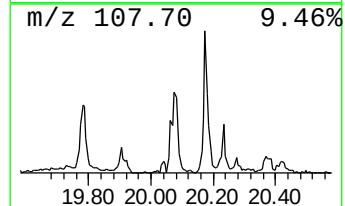
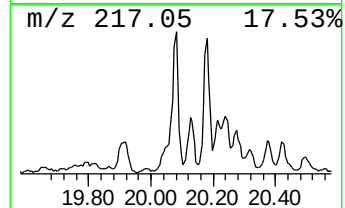
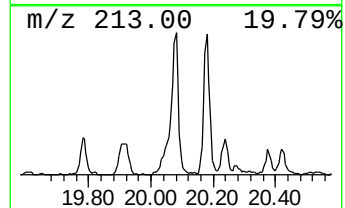
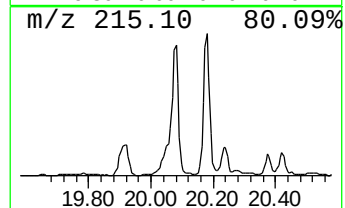
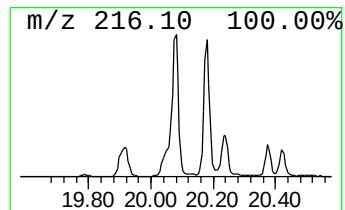
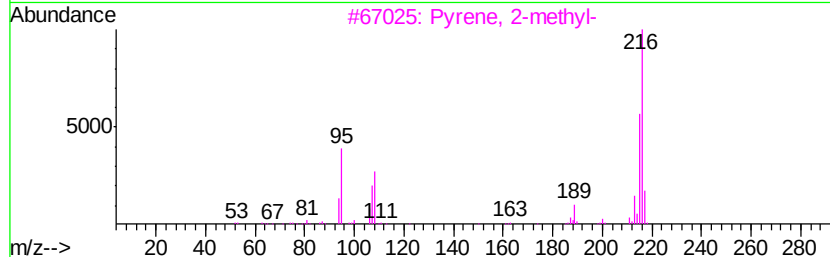
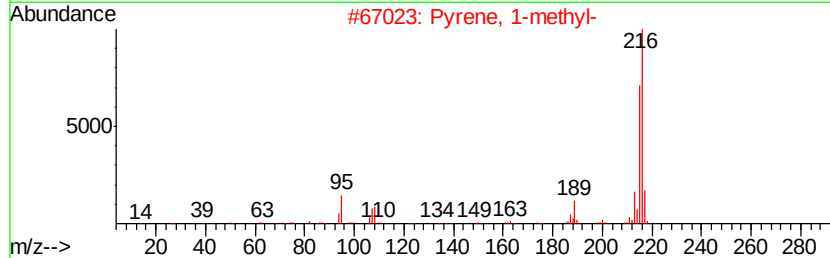
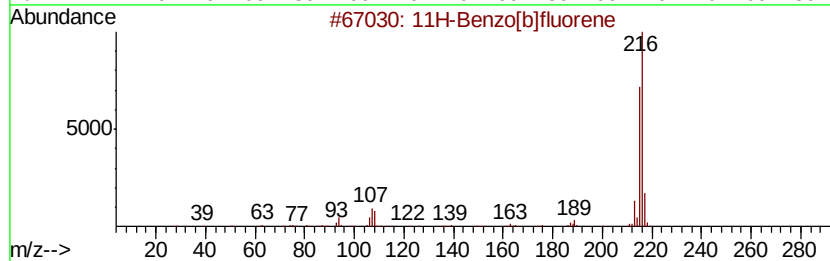
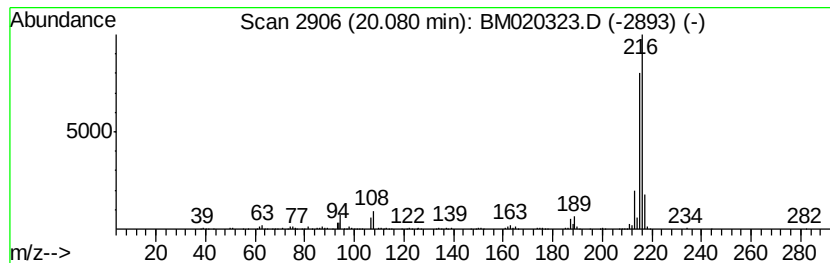
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	9.84 ng	889701	Chrysene-d12	21.35

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3			Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
Data File : BM020323.D
Acq On : 13 May 2019 19:22
Operator : JU/SJ
Sample : K2808-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

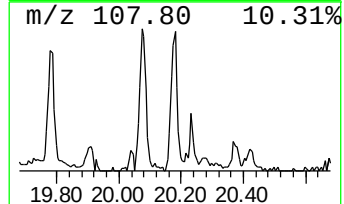
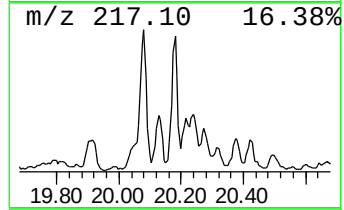
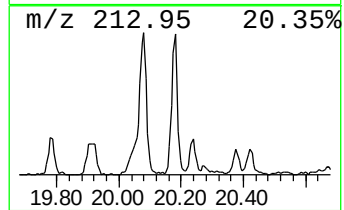
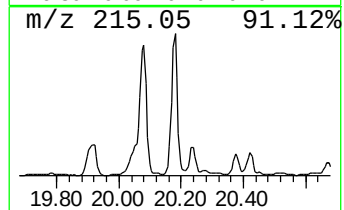
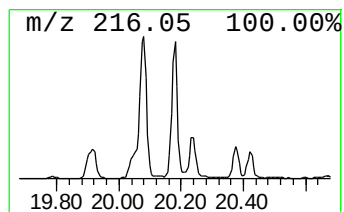
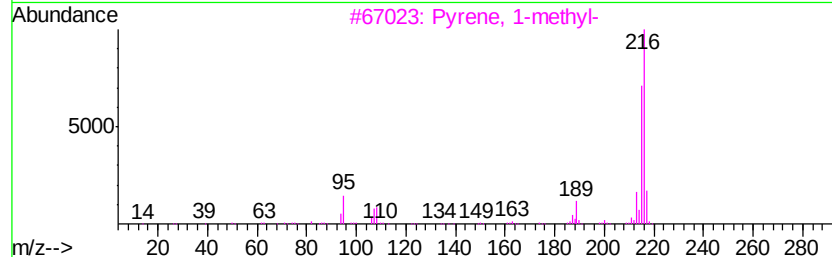
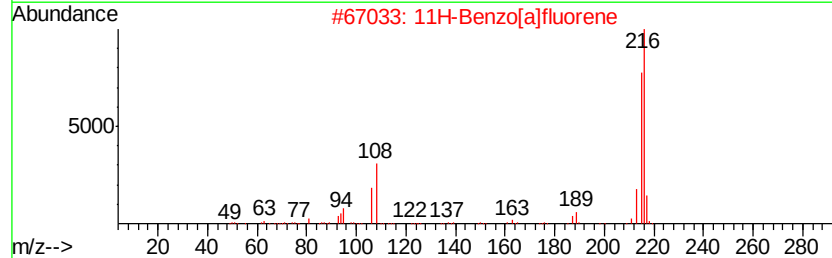
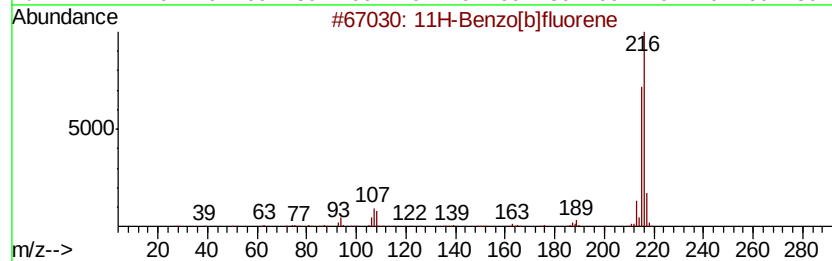
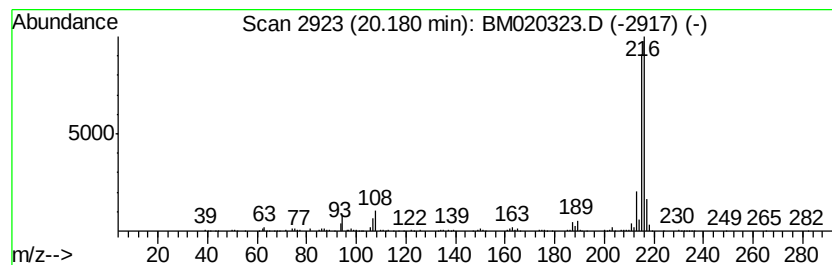
Instrument :
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ClientSampleId :
RT-2683-RT-5156

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.18	7.39 ng	668101	Chrysene-d12	21.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 94
2		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 93
3		Pvrene, 1-methyl-	216 C17H12	002381-21-7 91
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 74
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
Data File : BM020323.D
Acq On : 13 May 2019 19:22
Operator : JU/SJ
Sample : K2808-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
RT-2683-RT-5156

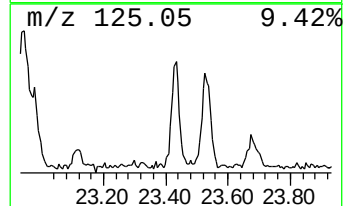
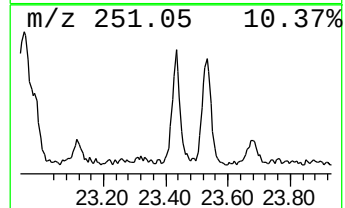
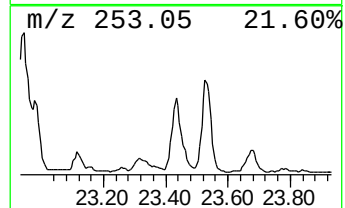
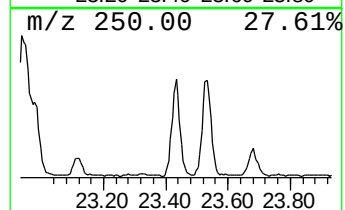
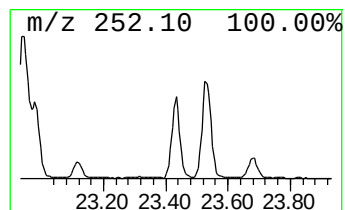
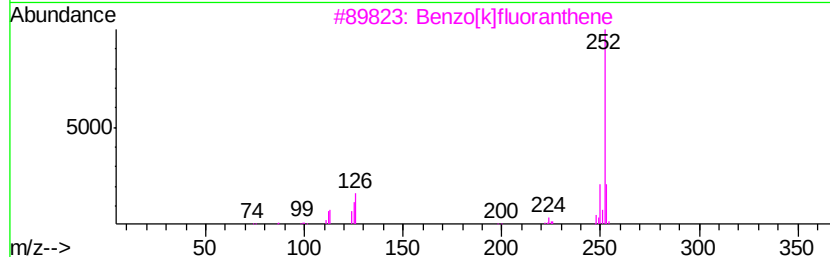
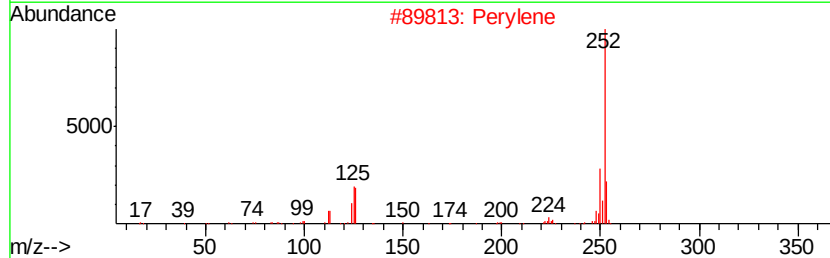
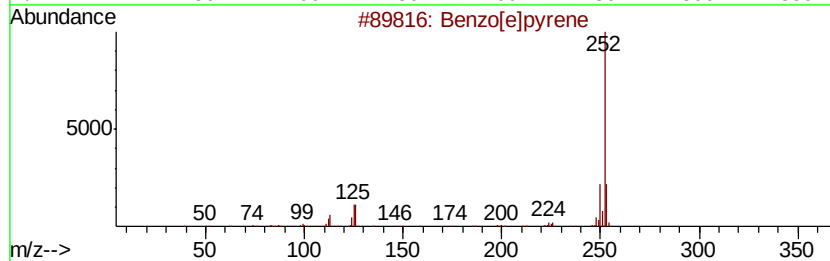
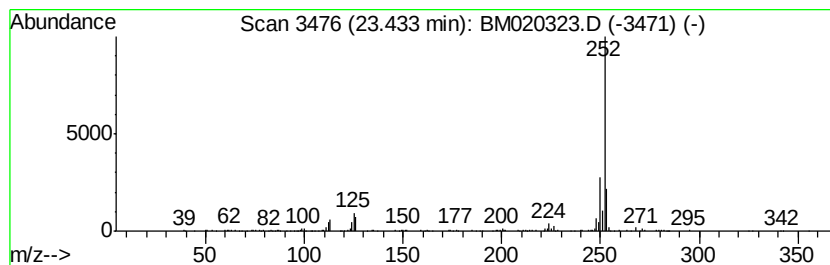
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.43	12.67 ng	381691	Perylene-d12	23.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	95
2			Perylene	252	C20H12	000198-55-0	93
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5			Benzo[a]pyrene	252	C20H12	000050-32-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051319\
 Data File : BM020323.D
 Acq On : 13 May 2019 19:22
 Operator : JU/SJ
 Sample : K2808-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RT-2683-RT-5156

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown	7.29	89.9	ng	1247480	1	7.76	277416	20.0
Naphthalene, 2,3-...	13.72	3.5	ng	78396	3	14.40	453424	20.0
Fluorene, 1,4-dih...	15.62	5.2	ng	118579	3	14.40	453424	20.0
Dibenzofuran, 4-m...	15.75	6.1	ng	139282	3	14.40	453424	20.0
9H-Fluorene, 2-me...	16.46	8.5	ng	227496	4	17.16	534871	20.0
Anthracene, 1,2,3...	16.90	4.0	ng	107365	4	17.16	534871	20.0
Dibenzothiophene	16.97	6.3	ng	168385	4	17.16	534871	20.0
Phenanthrene, 1-m...	18.03	15.6	ng	416896	4	17.16	534871	20.0
Phenanthrene, 2-m...	18.08	16.1	ng	430533	4	17.16	534871	20.0
Anthracene, 1-met...	18.16	9.3	ng	248322	4	17.16	534871	20.0
4H-Cyclopenta[def...	18.23	24.7	ng	661109	4	17.16	534871	20.0
Anthracene, 2-met...	18.26	6.5	ng	173338	4	17.16	534871	20.0
2-Phenylnaphthalene	18.53	7.3	ng	195271	4	17.16	534871	20.0
9,10-Dimethylanth...	18.94	6.6	ng	177077	4	17.16	534871	20.0
Phenanthrene, 2,5...	19.09	3.8	ng	102160	4	17.16	534871	20.0
Pyrene, 1-methyl-	19.90	4.2	ng	375577	5	21.35	1808880	20.0
11H-Benzo[b]fluorene	20.08	9.8	ng	889701	5	21.35	1808880	20.0
11H-Benzo[a]fluorene	20.18	7.4	ng	668101	5	21.35	1808880	20.0
Benzo[e]pyrene	23.43	12.7	ng	381691	6	23.63	602520	20.0