

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
 Data File : BM042573.D
 Acq On : 03 Nov 2023 16:47
 Operator : MA/JU
 Sample : 05220-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 Z-7(0-5)

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_M\Methods\8270-BM103023.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM042573.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.452	378	385	401	rBV	1269068	1798709	26.40%	2.172%
2	7.081	654	662	672	rBV	1207501	1876835	27.54%	2.267%
3	7.916	796	804	806	rBV	244593	398413	5.85%	0.481%
4	7.951	806	810	817	rVB	2257411	3343945	49.07%	4.039%
5	9.116	1001	1008	1020	rVB	754710	1206328	17.70%	1.457%
6	10.734	1277	1283	1288	rBV	285639	471358	6.92%	0.569%
7	10.787	1288	1292	1301	rVB	106500	177901	2.61%	0.215%
8	12.392	1558	1565	1575	rBV	65564	110579	1.62%	0.134%
9	12.610	1591	1602	1609	rBV2	56299	97409	1.43%	0.118%
10	13.186	1693	1700	1712	rBV	1787272	2459235	36.09%	2.970%
11	13.410	1732	1738	1747	rBV2	184698	296039	4.34%	0.358%
12	13.739	1784	1794	1801	rBV3	54857	143150	2.10%	0.173%
13	13.881	1812	1818	1823	rBV	74706	131422	1.93%	0.159%
14	13.933	1823	1827	1830	rBV	50706	72055	1.06%	0.087%
15	14.022	1836	1842	1851	rVB	64799	106915	1.57%	0.129%
16	14.116	1852	1858	1861	rBV	65858	97497	1.43%	0.118%
17	14.298	1882	1889	1901	rVB	465079	772881	11.34%	0.933%
18	14.398	1901	1906	1913	rVB3	40853	79654	1.17%	0.096%
19	14.563	1925	1934	1941	rBV	382386	611140	8.97%	0.738%
20	14.633	1941	1946	1951	rBV	184435	287426	4.22%	0.347%
21	14.769	1964	1969	1976	rVB4	40482	89208	1.31%	0.108%
22	14.963	1992	2002	2007	rVV2	152224	311012	4.56%	0.376%
23	15.022	2008	2012	2018	rVB	53518	83195	1.22%	0.100%
24	15.163	2031	2036	2041	rBV2	95854	184012	2.70%	0.222%
25	15.222	2041	2046	2049	rVV3	50488	80956	1.19%	0.098%
26	15.433	2078	2082	2087	rBV	65724	94891	1.39%	0.115%
27	15.616	2106	2113	2124	rVB	241873	448507	6.58%	0.542%
28	15.733	2129	2133	2137	rBV3	46028	74306	1.09%	0.090%
29	15.816	2143	2147	2152	rBV2	41526	68622	1.01%	0.083%
30	15.898	2157	2161	2167	rVB	100888	152307	2.24%	0.184%
31	16.063	2180	2189	2195	rBV2	1605515	2289040	33.59%	2.765%
32	16.210	2209	2214	2220	rBV2	88503	163418	2.40%	0.197%
33	16.610	2274	2282	2287	rVB	121147	258891	3.80%	0.313%
34	16.663	2287	2291	2295	rBV2	91503	139427	2.05%	0.168%
35	16.763	2303	2308	2312	rBV	76842	114837	1.69%	0.139%
36	16.827	2313	2319	2323	rBV5	51658	104242	1.53%	0.126%

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.998	2346	2348	2351	rVV	76428	87260	1.28%	0.105%
38	17.039	2351	2355	2360	rVB2	90313	143787	2.11%	0.174%
39	17.139	2367	2372	2380	rVB	319624	464753	6.82%	0.561%
40	17.321	2397	2403	2406	rBV	454574	659374	9.68%	0.796%
41	17.363	2406	2410	2419	rVB	1917874	2559341	37.56%	3.091%
42	17.457	2420	2426	2431	rBV	986917	1427580	20.95%	1.724%
43	17.739	2465	2474	2479	rBV4	199827	383071	5.62%	0.463%
44	17.833	2486	2490	2496	rBV2	108999	161685	2.37%	0.195%
45	17.898	2496	2501	2510	rVB	207491	337674	4.96%	0.408%
46	18.039	2520	2525	2531	rVB	117875	243692	3.58%	0.294%
47	18.174	2543	2548	2555	rBV2	767353	1563425	22.94%	1.888%
48	18.239	2555	2559	2568	rVV	437073	650971	9.55%	0.786%
49	18.321	2569	2573	2578	rVV	295994	395564	5.80%	0.478%
50	18.392	2579	2585	2588	rVV2	936697	1560633	22.90%	1.885%
51	18.427	2588	2591	2600	rVB2	321101	497162	7.30%	0.600%
52	18.580	2615	2617	2624	rVB2	82915	111112	1.63%	0.134%
53	18.692	2630	2636	2642	rBV	402264	638026	9.36%	0.771%
54	18.845	2660	2662	2668	rBV4	53740	90867	1.33%	0.110%
55	18.898	2669	2671	2674	rBV2	71258	85066	1.25%	0.103%
56	18.980	2682	2685	2688	rVB	145963	168987	2.48%	0.204%
57	19.021	2689	2692	2697	rVB2	143524	178524	2.62%	0.216%
58	19.074	2698	2701	2702	rBV	66477	72636	1.07%	0.088%
59	19.104	2702	2706	2711	rBV	352837	535229	7.85%	0.646%
60	19.245	2726	2730	2732	rBV	110142	171452	2.52%	0.207%
61	19.386	2748	2754	2759	rBV	5435372	6814546	100.00%	8.230%
62	19.445	2760	2764	2774	rVV5	288025	661409	9.71%	0.799%
63	19.533	2775	2779	2786	rVB	331599	459642	6.75%	0.555%
64	19.627	2792	2795	2798	rBV	172981	227914	3.34%	0.275%
65	19.704	2804	2808	2811	rBV2	540964	864173	12.68%	1.044%
66	19.751	2811	2816	2821	rVV	5227677	6683452	98.08%	8.072%
67	19.804	2822	2825	2829	rVB2	222400	304241	4.46%	0.367%
68	19.933	2841	2847	2855	rBV	2959739	3912781	57.42%	4.726%
69	19.998	2855	2858	2862	rVB	109603	139332	2.04%	0.168%
70	20.057	2863	2868	2876	rVB2	344330	812203	11.92%	0.981%
71	20.139	2879	2882	2886	rVV3	110321	223983	3.29%	0.271%
72	20.198	2887	2892	2894	rVV3	348018	669848	9.83%	0.809%
73	20.233	2895	2898	2903	rVB	891289	1203440	17.66%	1.453%
74	20.333	2911	2915	2919	rBV	857202	1017850	14.94%	1.229%
75	20.392	2922	2925	2928	rVB	443019	499263	7.33%	0.603%
76	20.533	2945	2949	2953	rBV	404965	540058	7.93%	0.652%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.580	2953	2957	2967	rVB	437372	670065	9.83%	0.809%
78	21.151	3050	3054	3057	rBV	573843	871486	12.79%	1.053%
79	21.186	3057	3060	3063	rVB	484003	599102	8.79%	0.724%
80	21.227	3063	3067	3071	rBV2	358663	513842	7.54%	0.621%
81	21.492	3107	3112	3118	rBV2	2919605	4970991	72.95%	6.004%
82	21.545	3118	3121	3125	rVB	2492684	2927069	42.95%	3.535%
83	21.662	3138	3141	3144	rBV	286912	361241	5.30%	0.436%
84	21.727	3149	3152	3160	rVB4	298402	496465	7.29%	0.600%
85	22.074	3208	3211	3217	rVB	475729	662789	9.73%	0.800%
86	22.127	3218	3220	3226	rVB	234292	289688	4.25%	0.350%
87	22.286	3244	3247	3251	rBV	257680	373242	5.48%	0.451%
88	23.186	3394	3400	3405	rBV	1449424	3484097	51.13%	4.208%
89	23.368	3427	3431	3438	rVB	403825	691779	10.15%	0.835%
90	23.715	3484	3490	3500	rVB	1028317	2196497	32.23%	2.653%
91	23.821	3502	3508	3515	rBV	1530944	3001322	44.04%	3.625%
92	23.927	3522	3526	3530	rBV	315367	537028	7.88%	0.649%
93	23.980	3532	3535	3543	rVB	426707	762722	11.19%	0.921%
94	26.468	3950	3958	3968	rVB2	656512	1971975	28.94%	2.382%

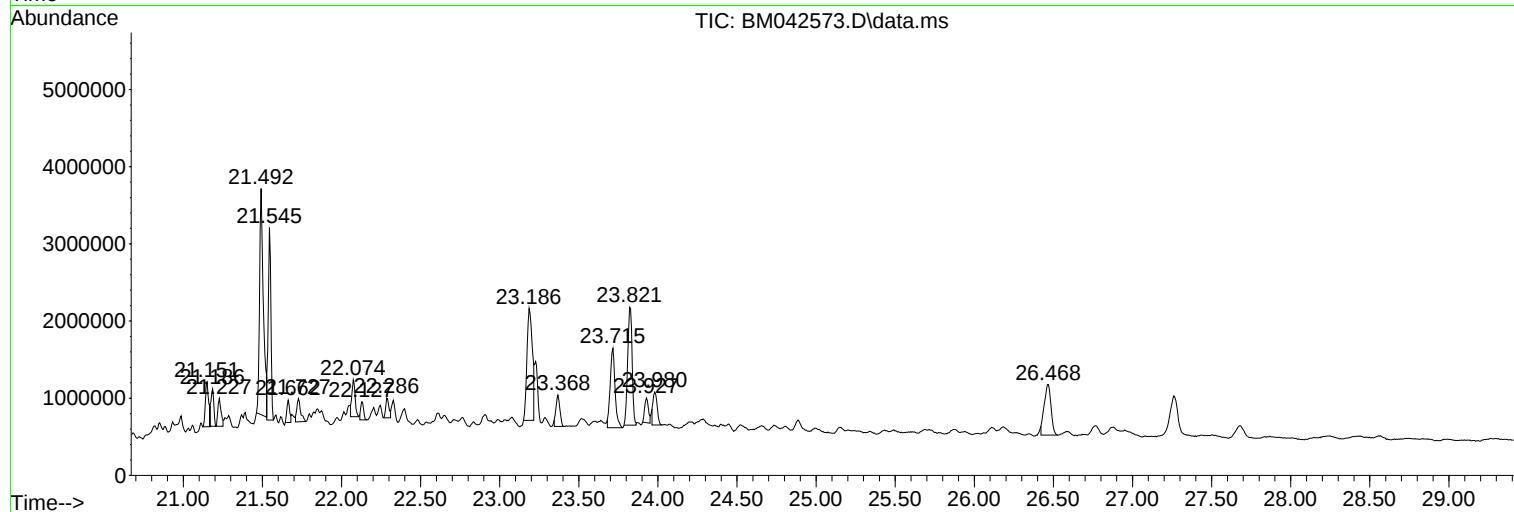
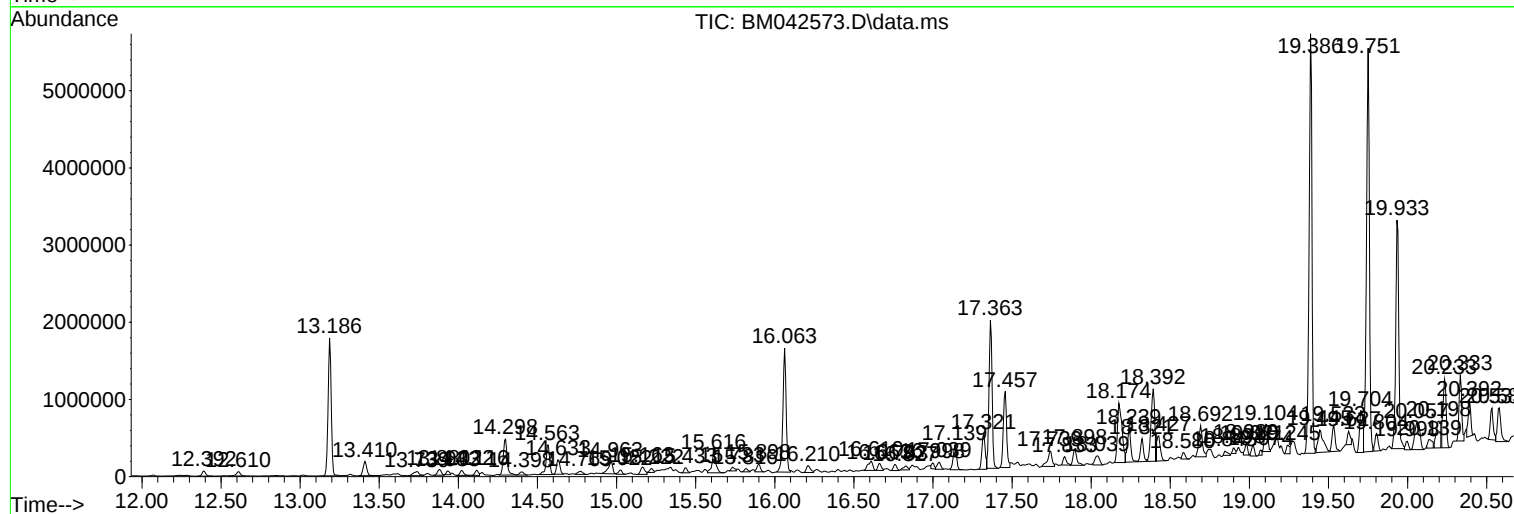
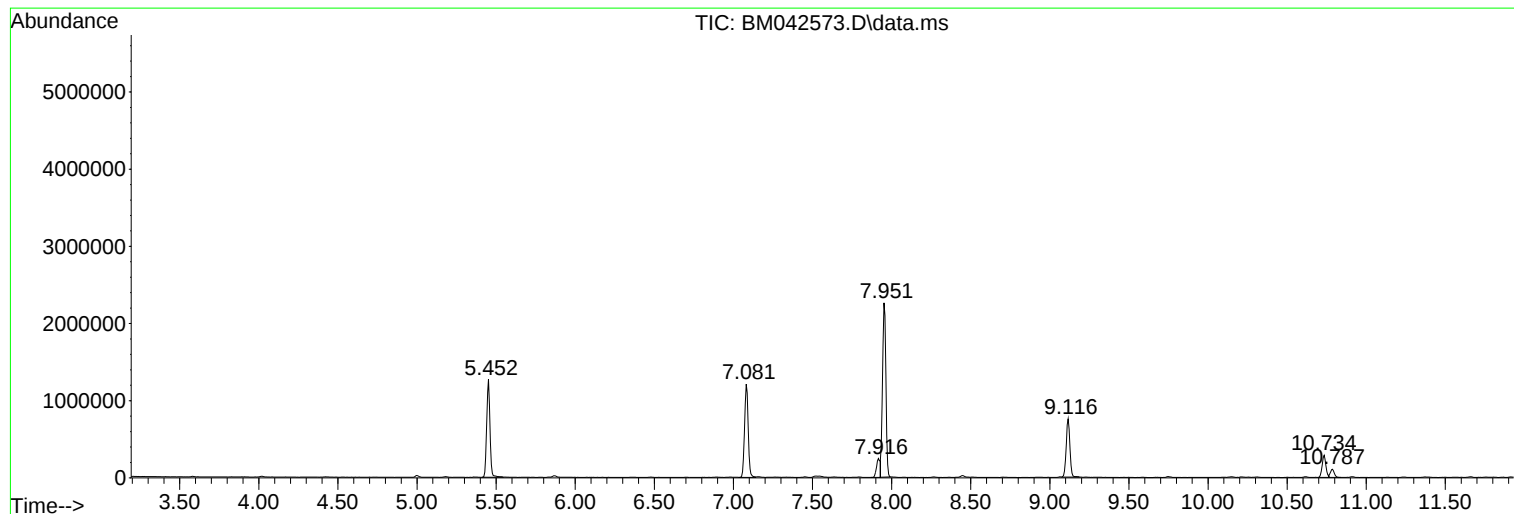
Sum of corrected areas: 82799168

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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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Instrument :
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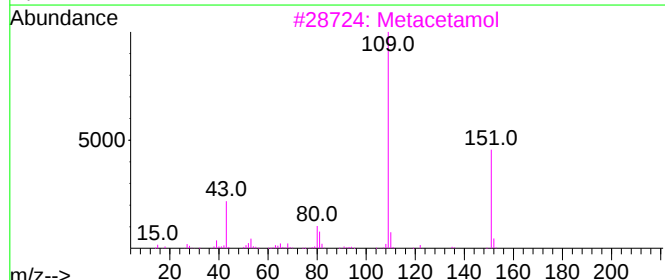
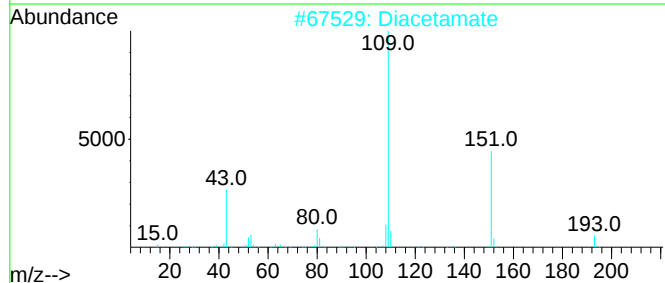
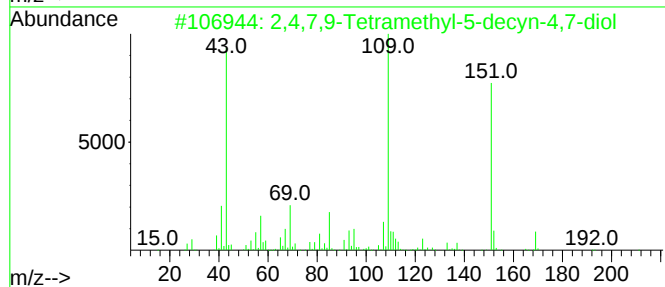
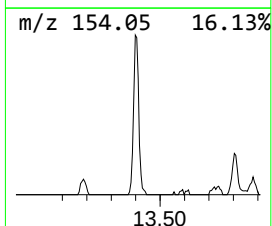
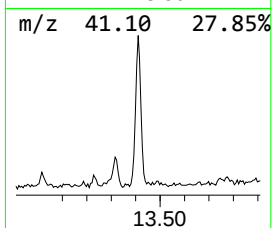
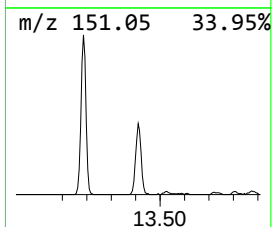
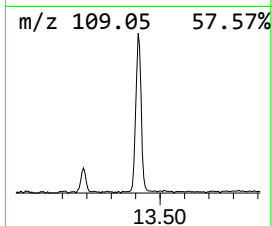
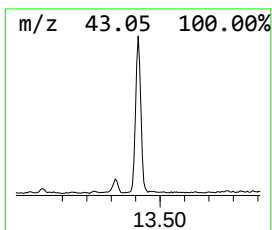
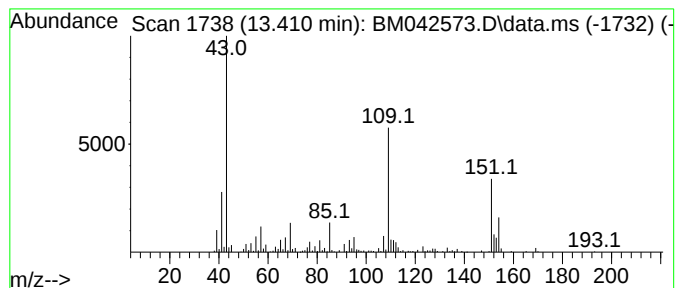
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.410	9.69 ng	296039	Acenaphthene-d10	14.569

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	83		
2	Diacetamate	193	C10H11NO3	002623-33-8	47		
3	Metacetamol	151	C8H9NO2	000621-42-1	47		
4	Benzeneacetic acid, 4-fluoro-	154	C8H7FO2	000405-50-5	43		
5	2-Cyclopentene-1-carboxylic acid...	154	C9H14O2	006894-69-5	43		



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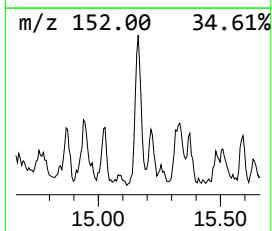
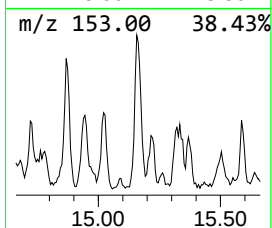
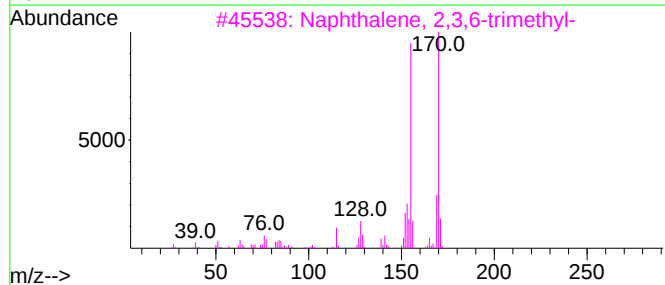
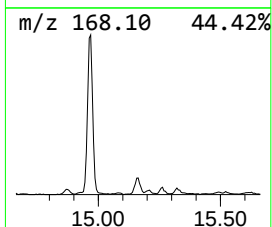
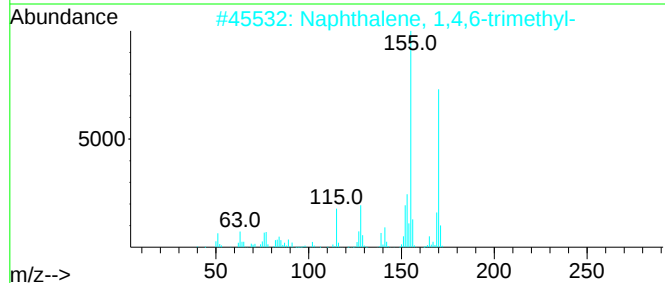
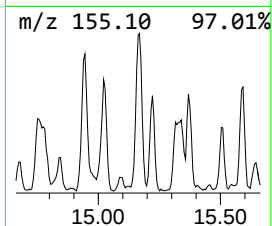
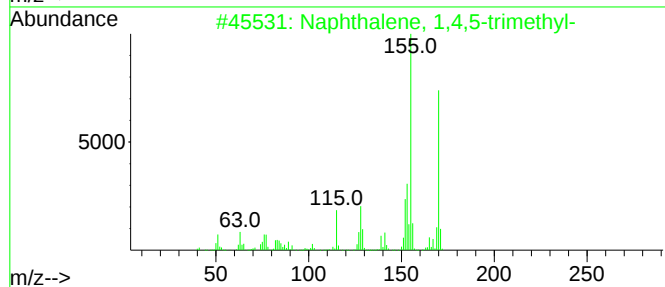
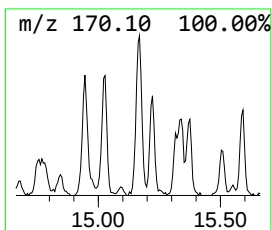
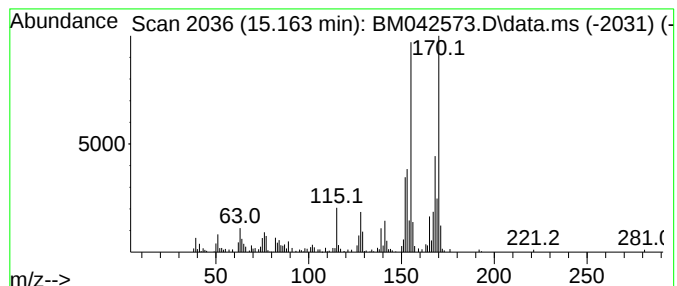
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1,4,5-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.163	6.02 ng	184012	Acenaphthene-d10	14.569

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
2			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
5			3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	83



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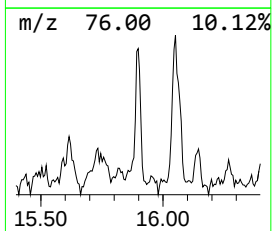
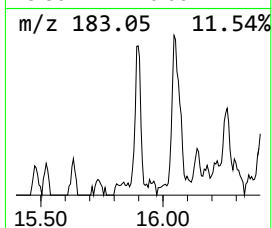
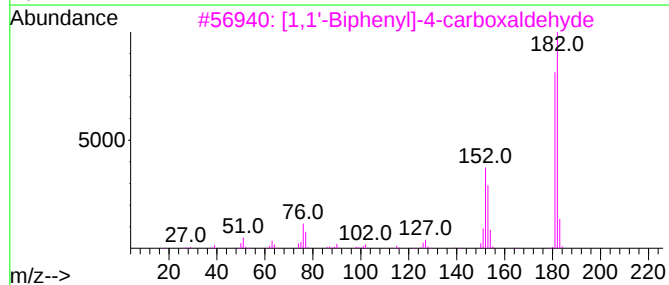
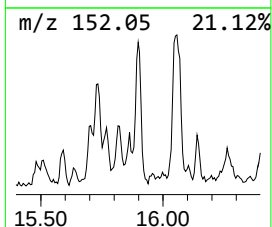
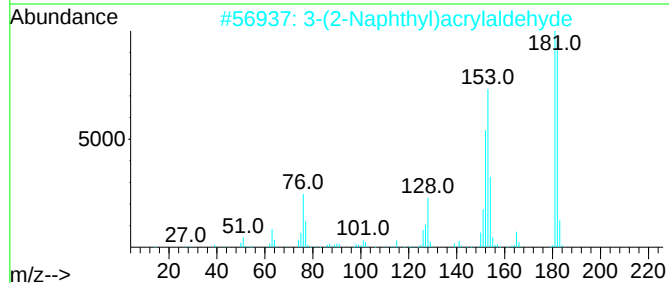
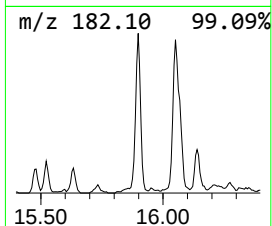
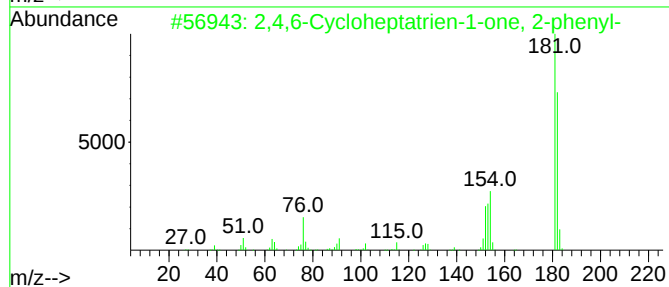
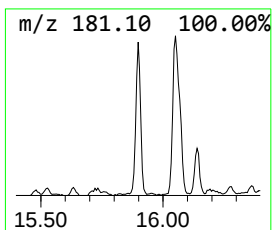
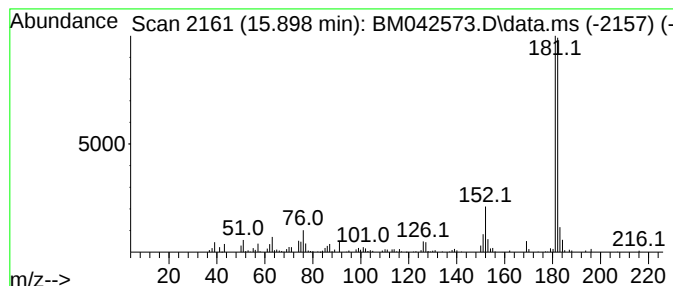
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2,4,6-Cycloheptatrien-1-one... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.898	4.98 ng	152307	Acenaphthene-d10	14.569	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
2	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	70



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Operator : MA/JU
Sample : 05220-04
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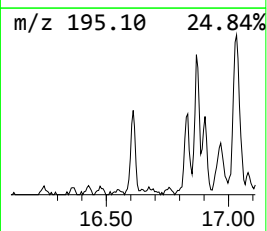
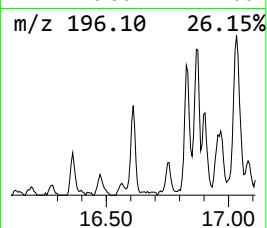
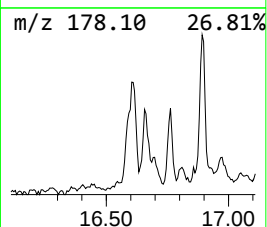
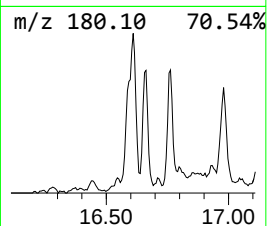
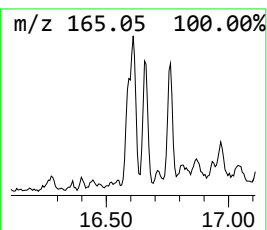
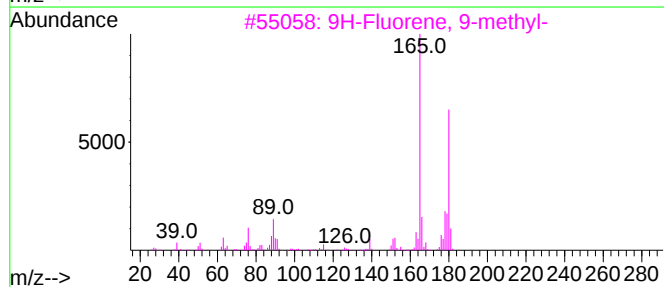
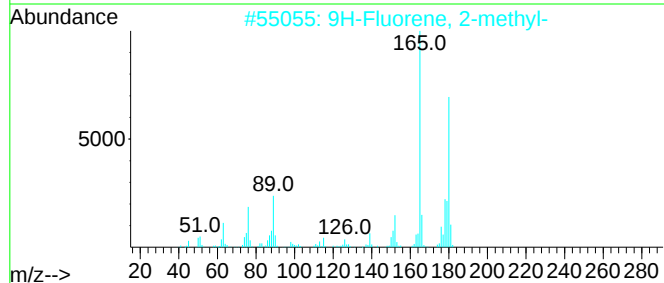
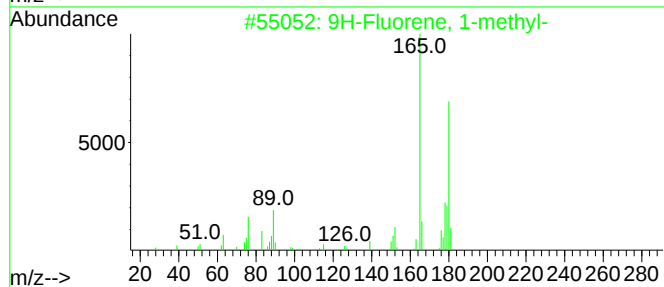
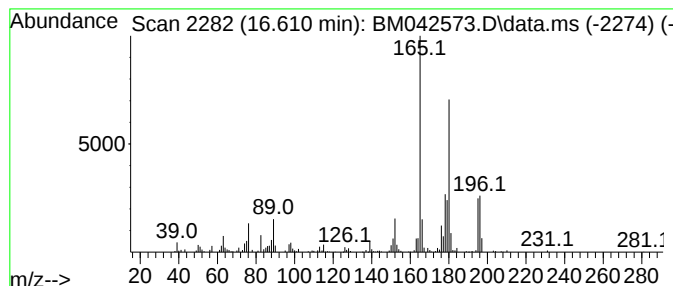
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.610	7.85 ng	258891	Phenanthrene-d10	17.322	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	83
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	78



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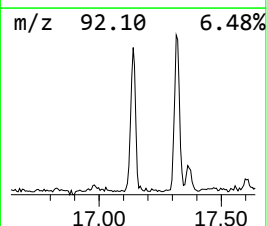
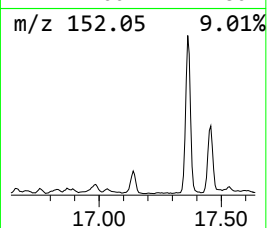
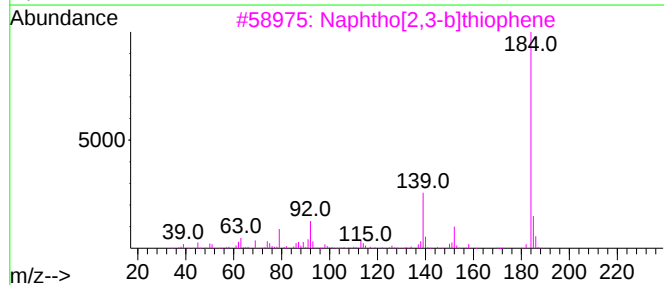
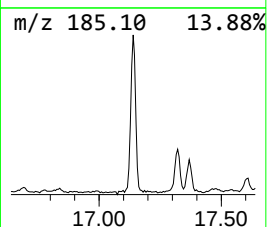
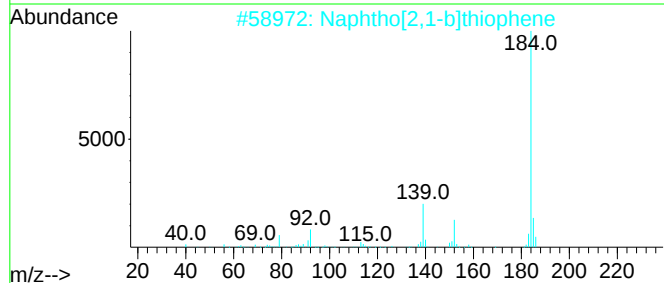
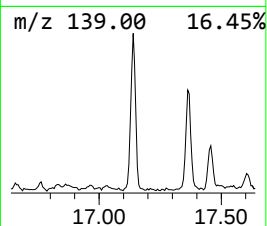
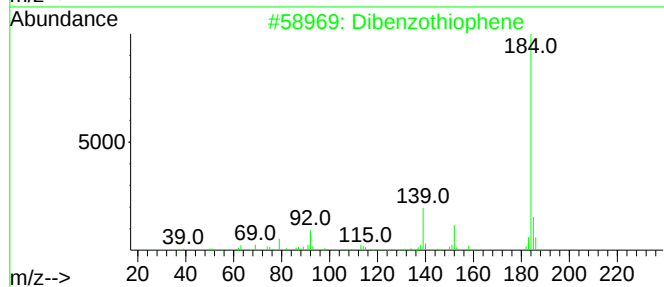
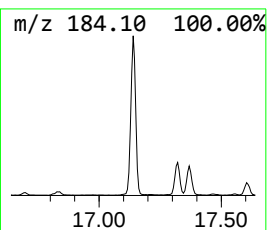
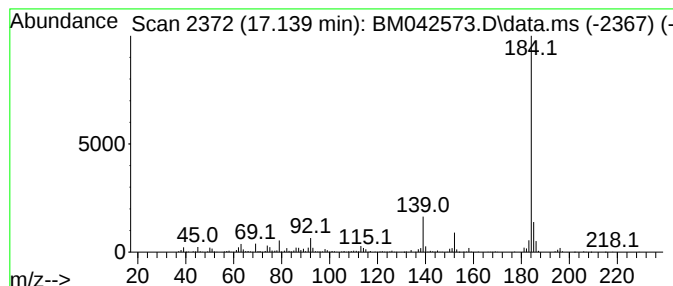
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.139	14.10 ng	464753	Phenanthrene-d10	17.322

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	97
2			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



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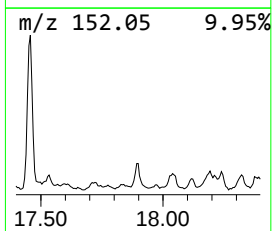
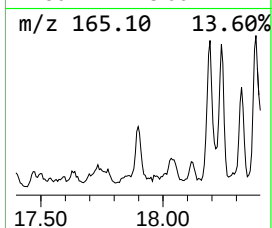
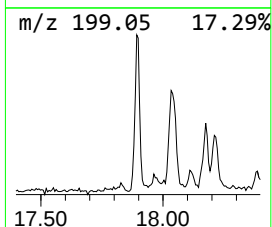
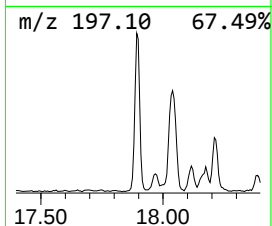
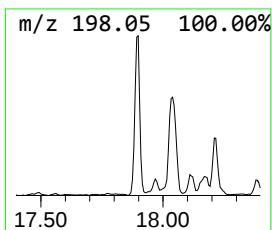
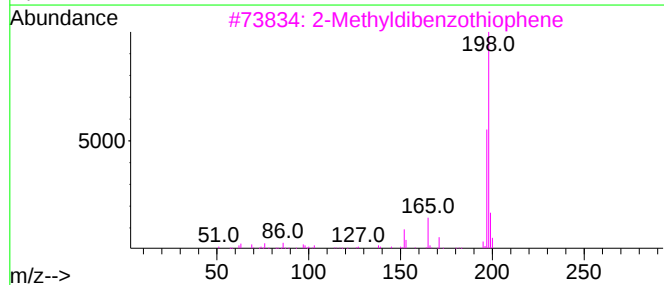
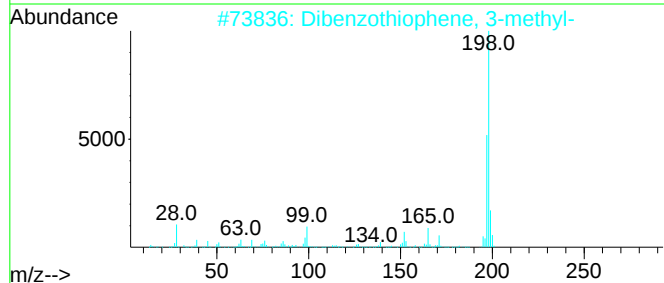
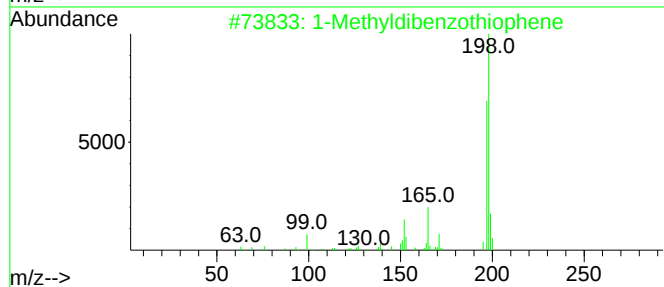
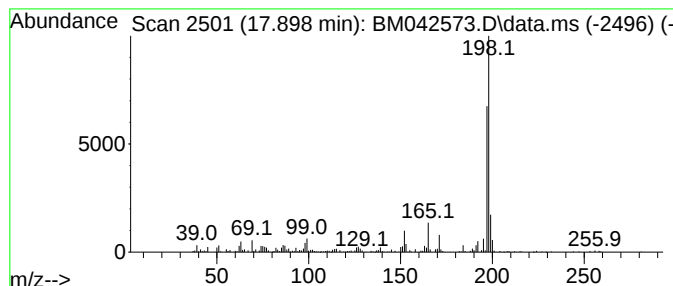
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Methyldibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.898	10.24 ng	337674	Phenanthrene-d10	17.322

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
3			2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
4			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
5			4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
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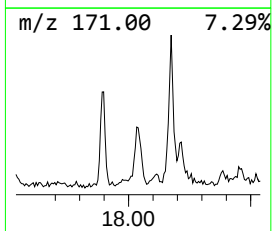
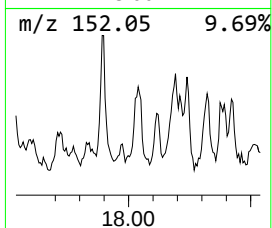
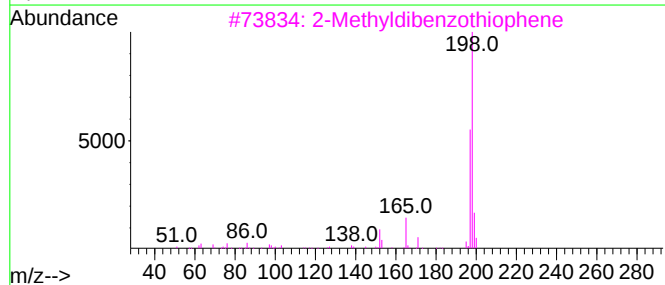
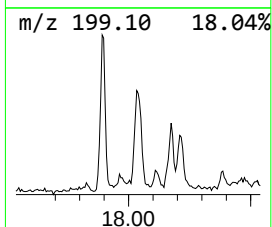
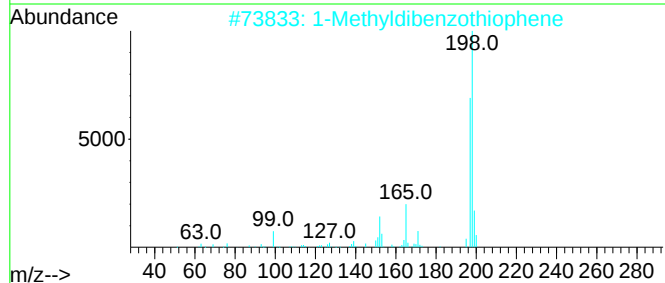
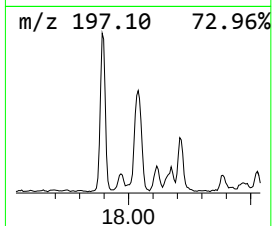
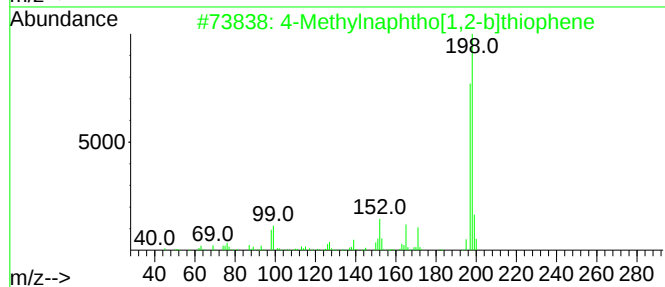
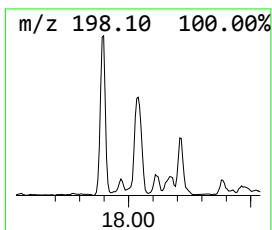
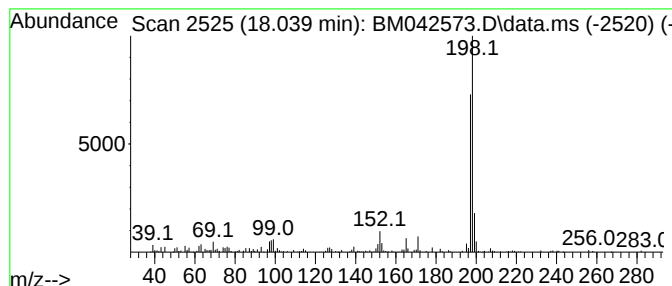
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.039	7.39 ng	243692	Phenanthrene-d10	17.322	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	97
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
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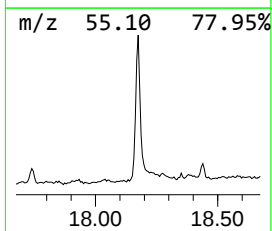
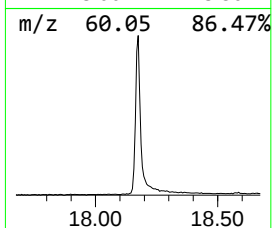
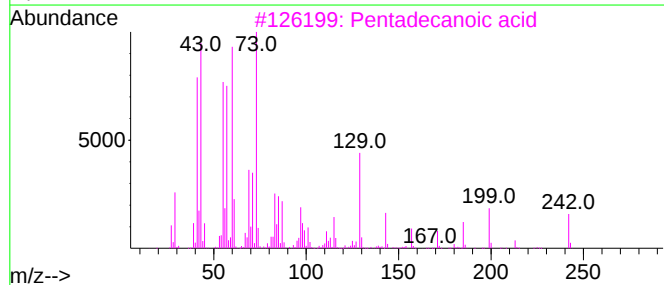
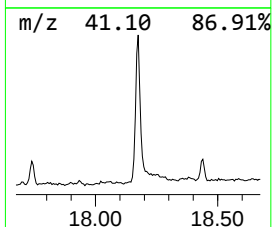
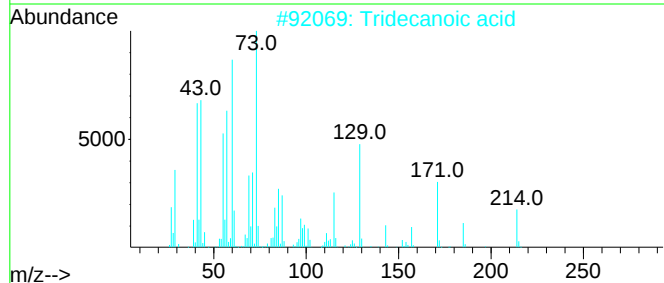
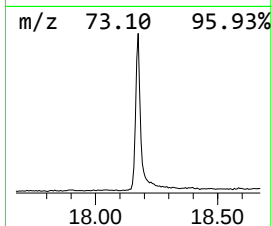
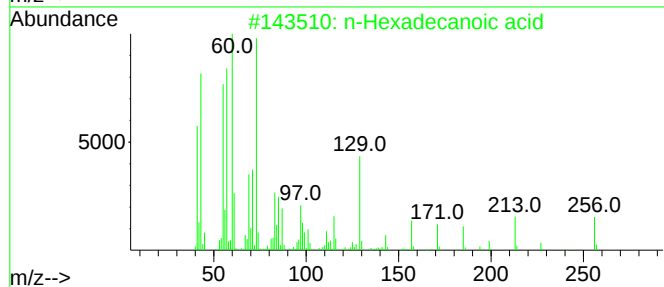
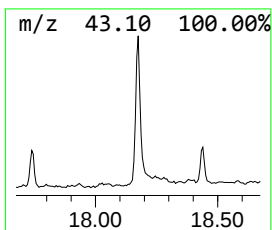
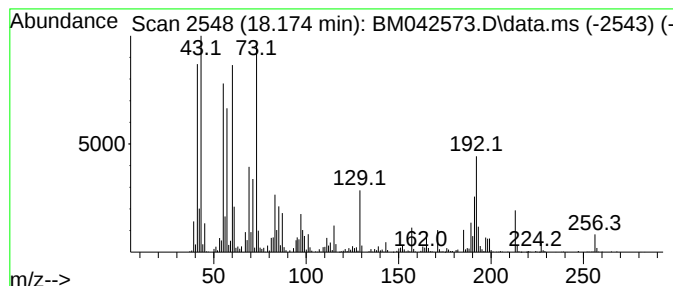
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.174	47.42 ng	1563430	Phenanthrene-d10		17.322	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	99
2	Tridecanoic acid		214	C13H26O2	000638-53-9	91
3	Pentadecanoic acid		242	C15H30O2	001002-84-2	60
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	53
5	n-Decanoic acid		172	C10H20O2	000334-48-5	43



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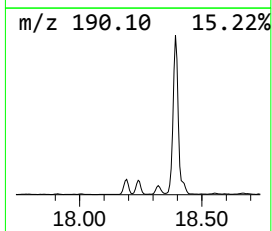
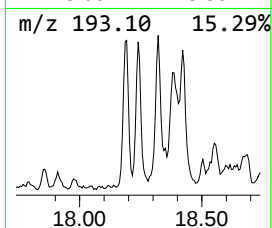
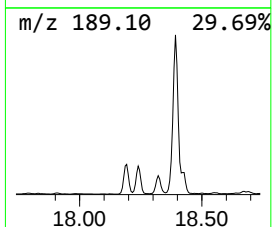
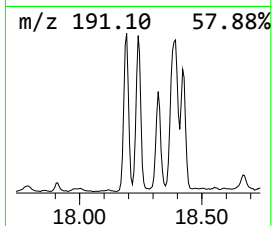
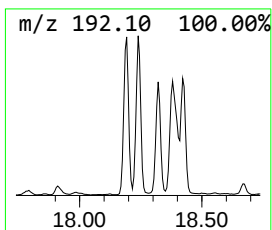
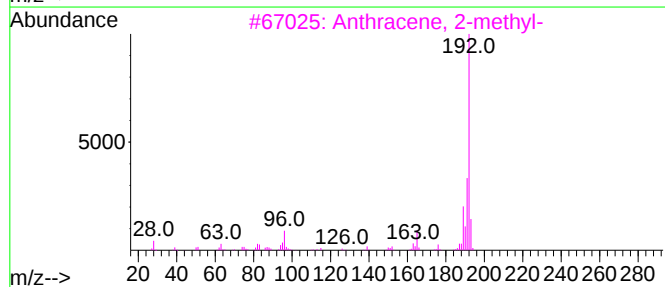
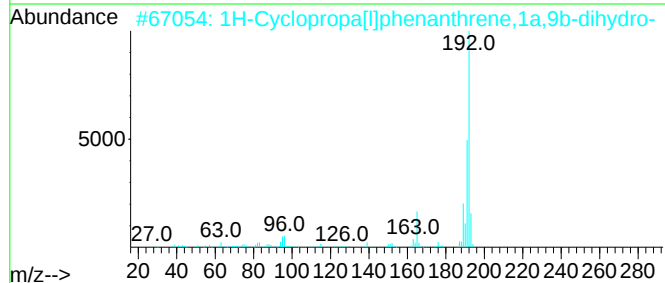
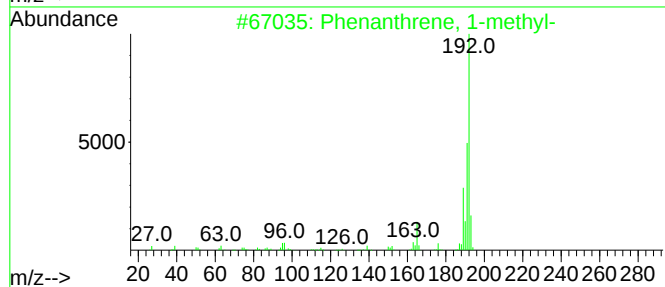
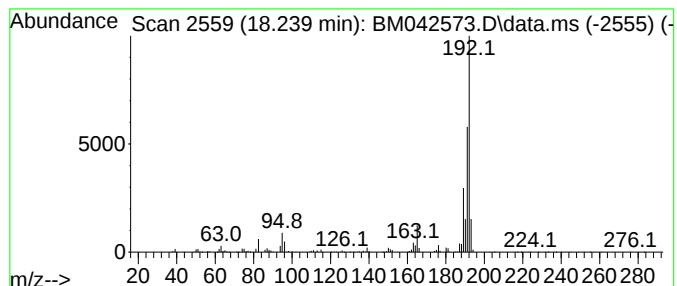
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.239	19.75 ng	650971	Phenanthrene-d10	17.322

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
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ALS Vial : 8 Sample Multiplier: 1

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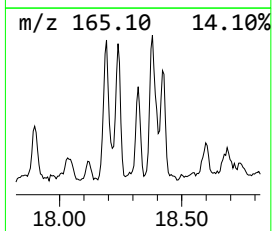
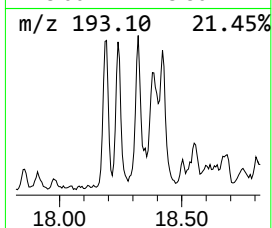
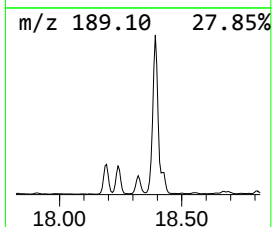
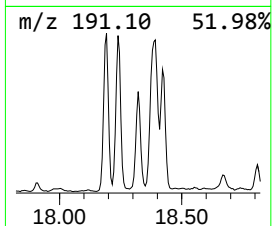
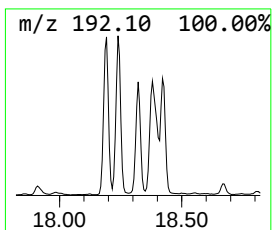
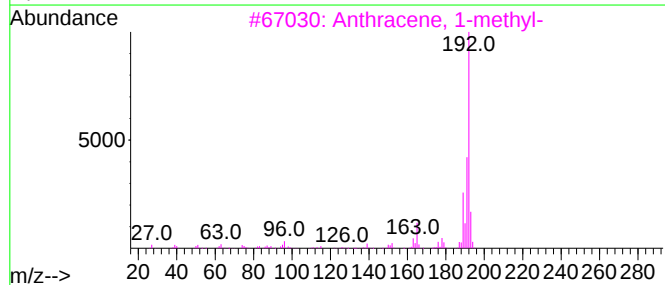
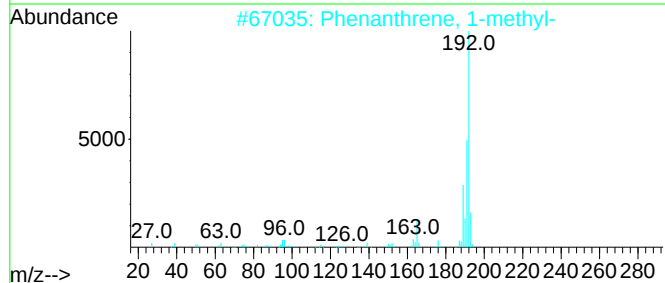
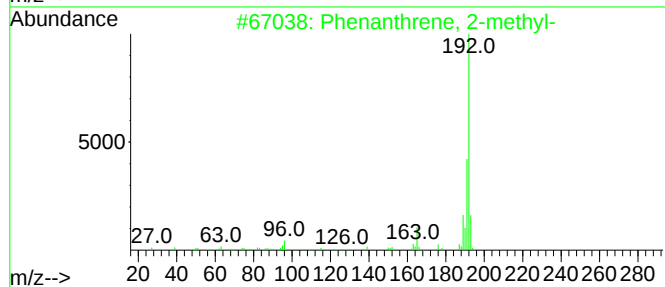
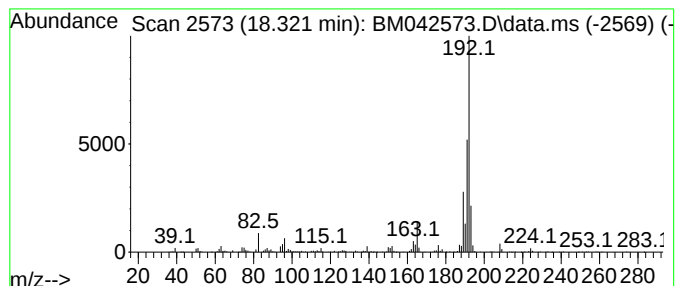
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.321	12.00 ng	395564	Phenanthrene-d10	17.322

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042573.D
Acq On : 03 Nov 2023 16:47
Operator : MA/JU
Sample : 05220-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-7(0-5)

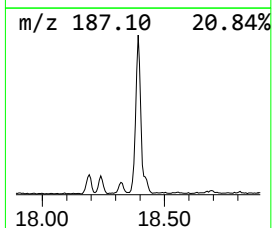
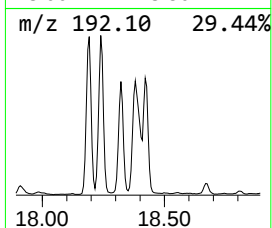
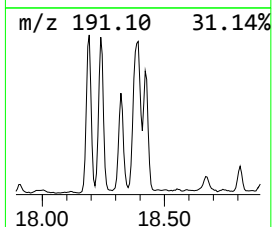
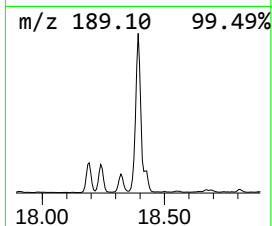
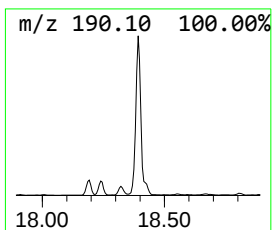
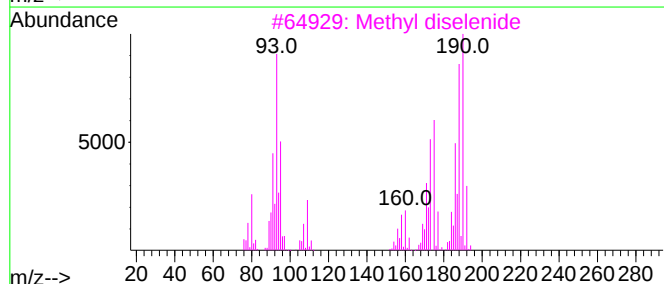
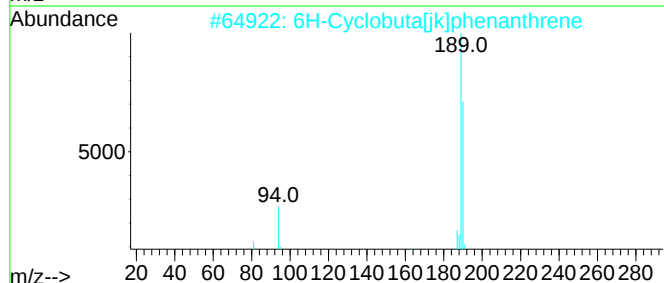
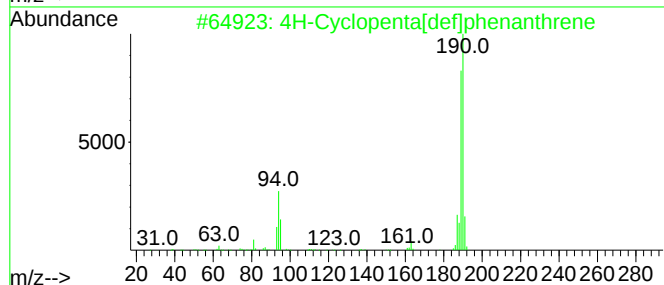
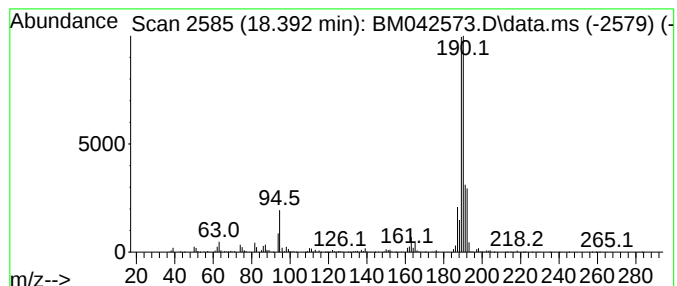
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.392	47.34 ng	1560630	Phenanthrene-d10	17.322

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3			Methyl diselenide	190	C2H6Se2	007101-31-7	55
4			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5			2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042573.D
Acq On : 03 Nov 2023 16:47
Operator : MA/JU
Sample : 05220-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
Z-7(0-5)

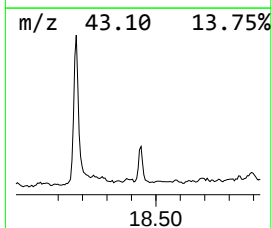
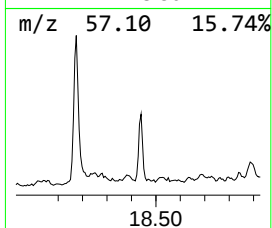
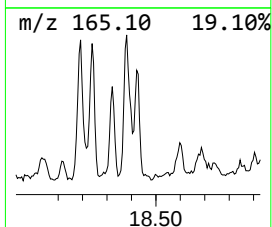
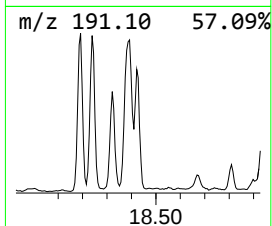
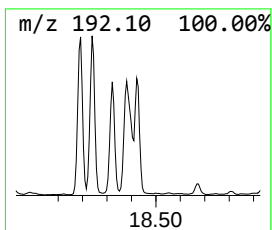
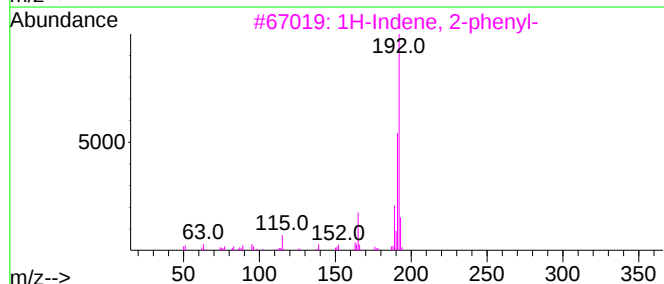
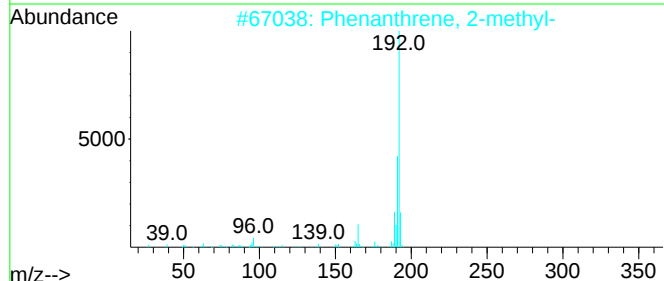
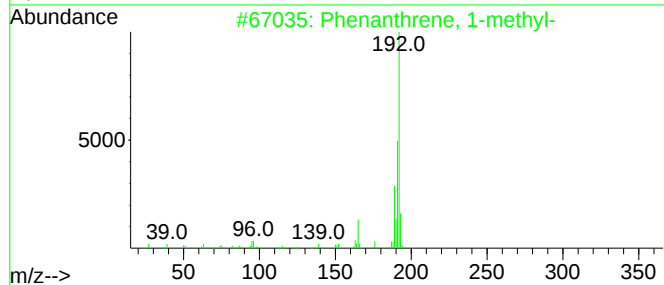
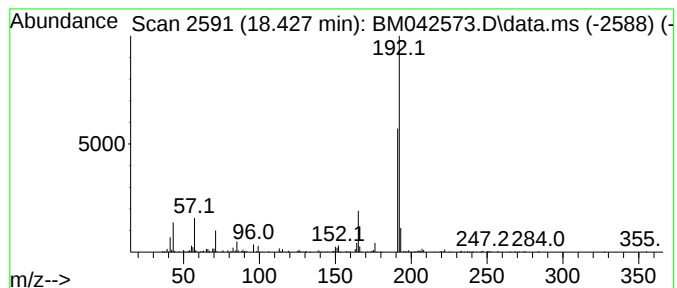
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1H-Indene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.427	15.08 ng	497162	Phenanthrene-d10	17.322

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
4		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	80
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042573.D
Acq On : 03 Nov 2023 16:47
Operator : MA/JU
Sample : 05220-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

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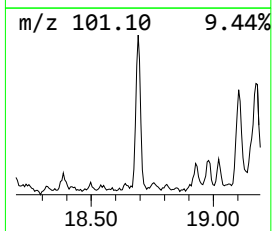
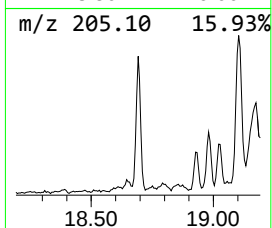
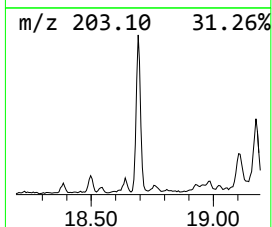
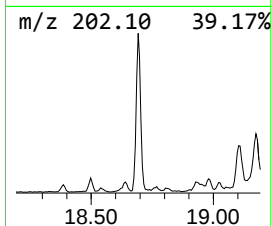
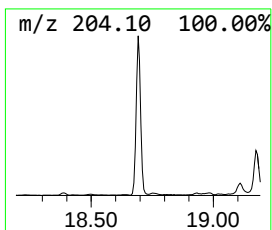
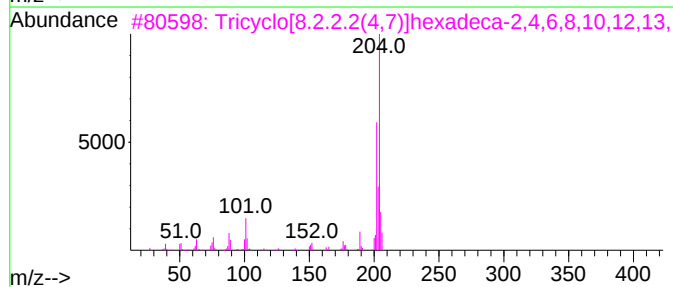
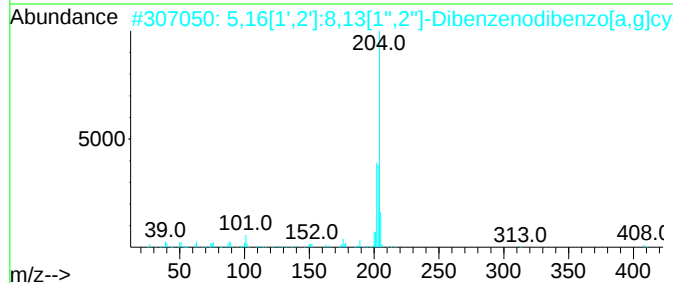
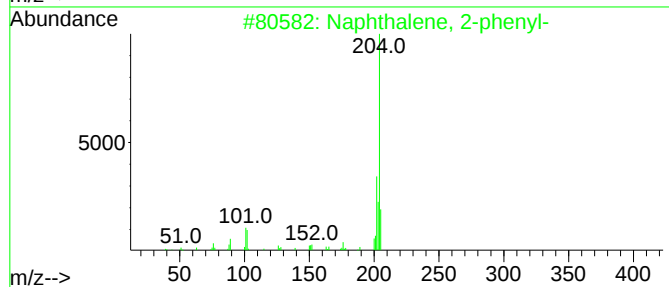
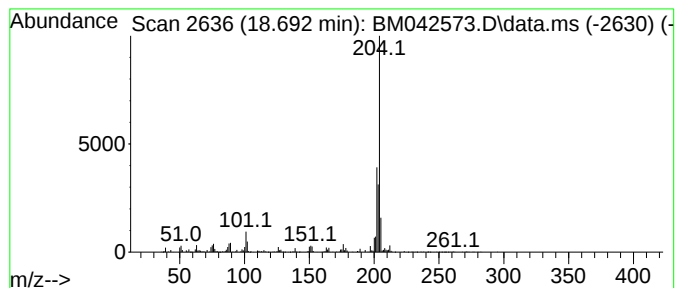
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.692	19.35 ng	638026	Phenanthrene-d10	17.322

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
5			6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042573.D
Acq On : 03 Nov 2023 16:47
Operator : MA/JU
Sample : 05220-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

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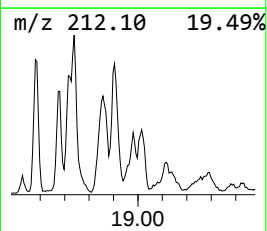
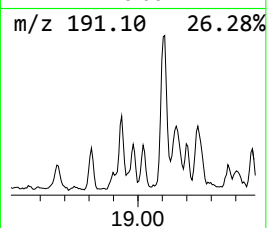
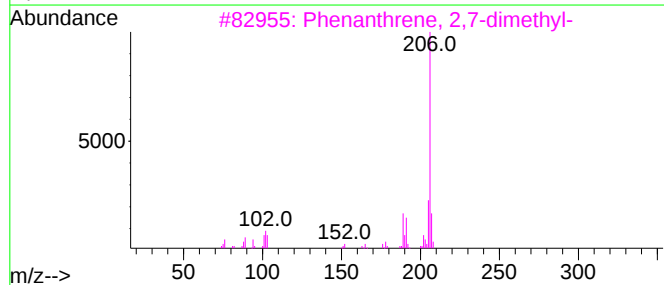
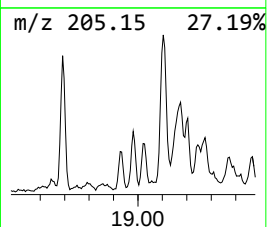
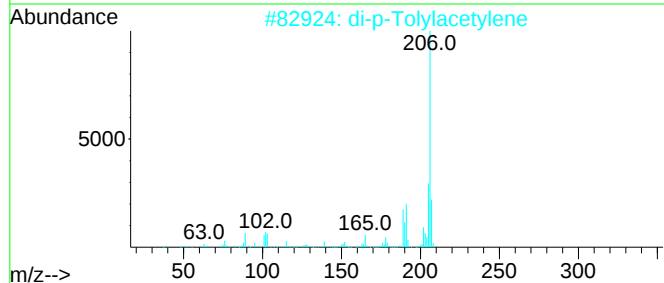
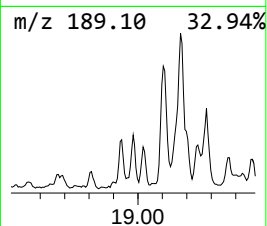
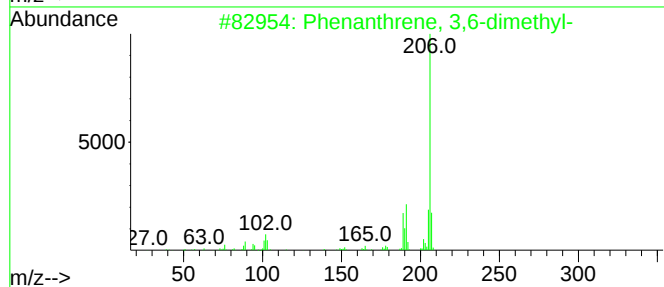
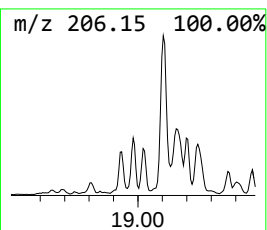
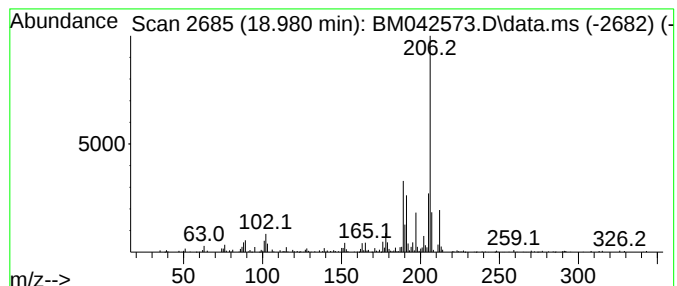
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.980	5.13 ng	168987	Phenanthrene-d10	17.322

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2			di-p-Tolylacetylene	206	C16H14	002789-88-0	74
3			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	72
4			Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	70
5			1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
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Acq On : 03 Nov 2023 16:47
Operator : MA/JU
Sample : 05220-04
Misc :
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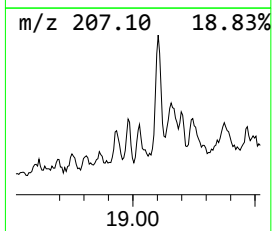
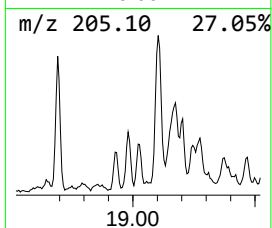
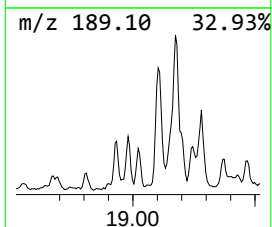
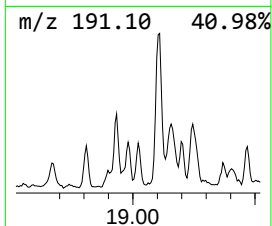
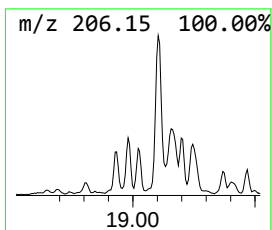
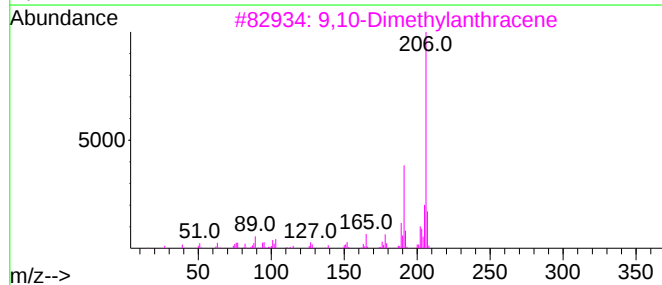
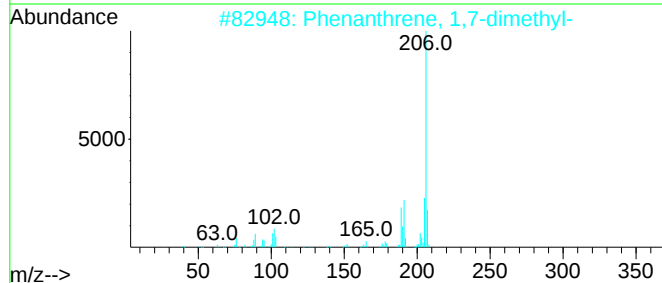
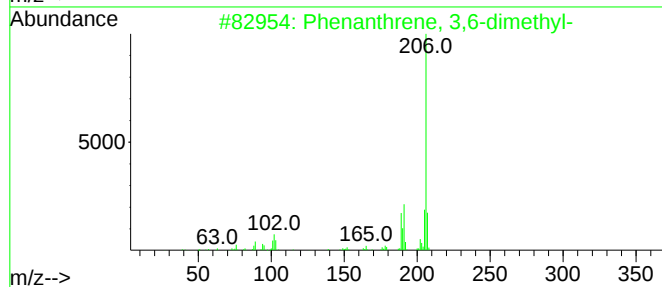
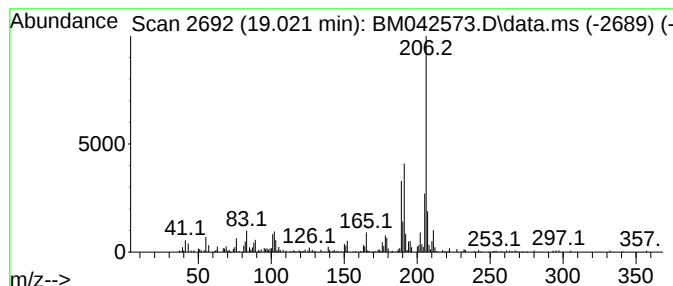
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.021	5.41 ng	178524	Phenanthrene-d10		17.322	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-		206	C16H14	001576-67-6	94
2	Phenanthrene, 1,7-dimethyl-		206	C16H14	000483-87-4	92
3	9,10-Dimethylanthracene		206	C16H14	000781-43-1	90
4	3,4-Dimethylphenanthrene		206	C16H14	1000452-24-5	89
5	Phenanthrene, 2,5-dimethyl-		206	C16H14	003674-66-6	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042573.D
Acq On : 03 Nov 2023 16:47
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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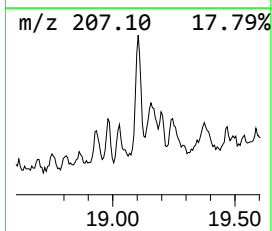
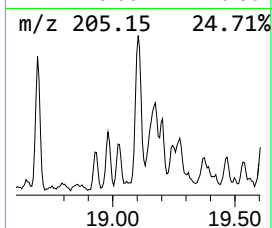
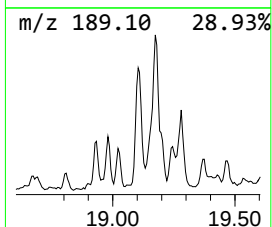
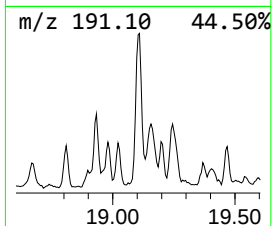
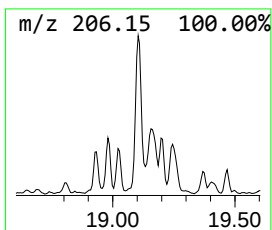
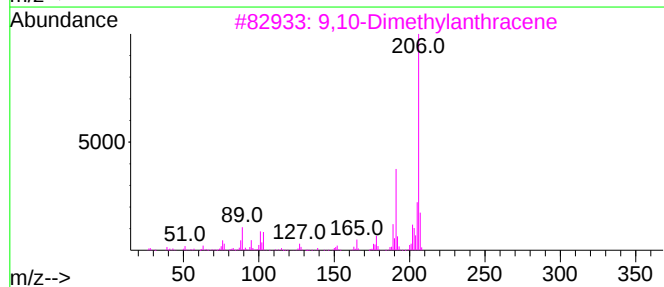
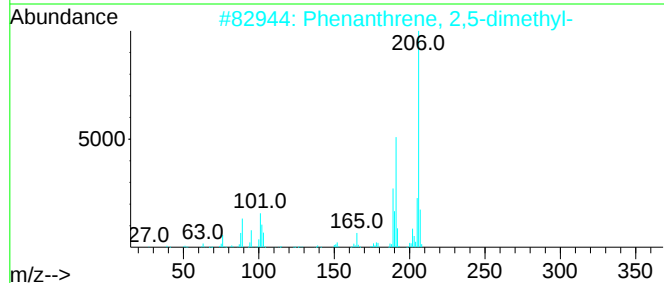
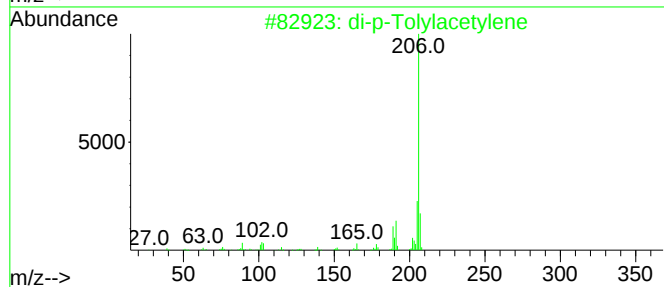
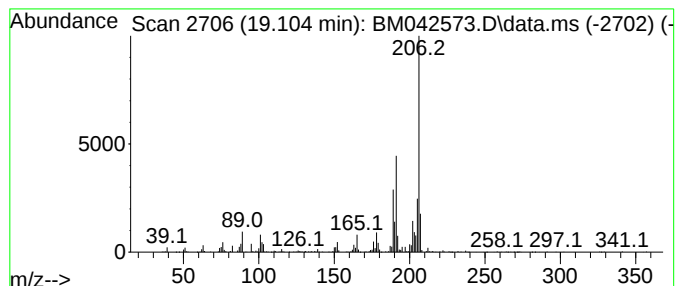
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 di-p-Tolylacetylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.104	16.23 ng	535229	Phenanthrene-d10	17.322

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	93
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042573.D
Acq On : 03 Nov 2023 16:47
Operator : MA/JU
Sample : 05220-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-7(0-5)

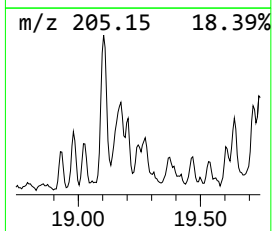
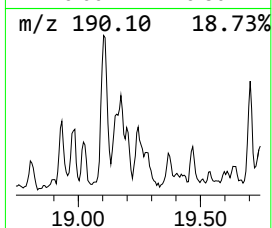
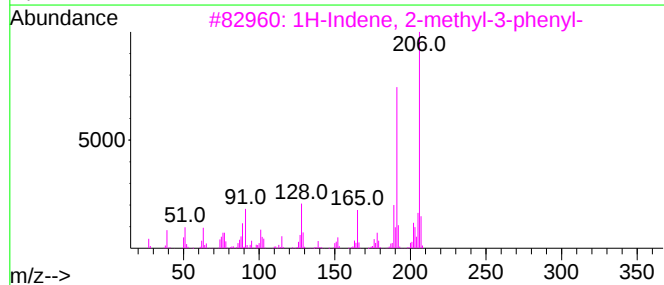
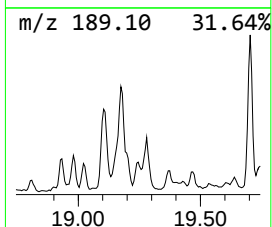
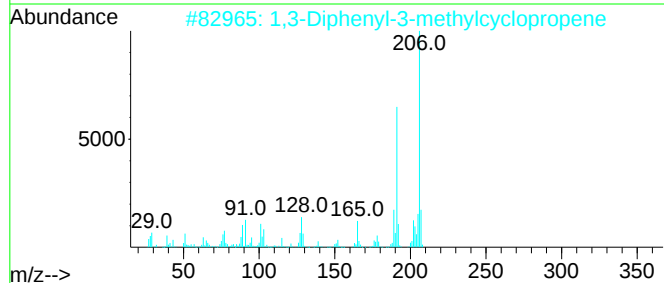
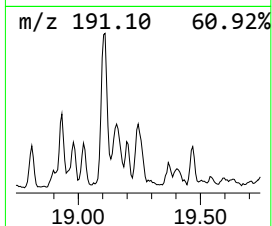
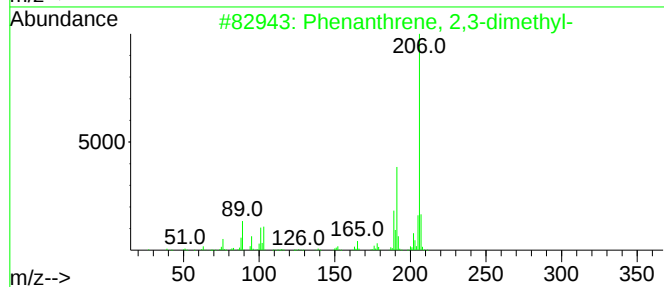
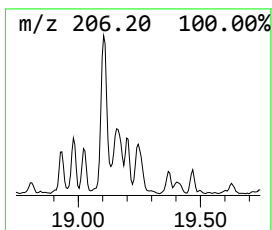
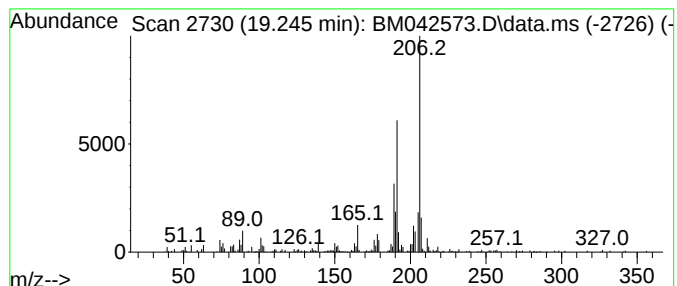
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.245	5.20 ng	171452	Phenanthrene-d10	17.322

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	93
3		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	93
4		3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042573.D
Acq On : 03 Nov 2023 16:47
Operator : MA/JU
Sample : 05220-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-7(0-5)

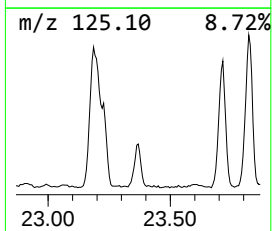
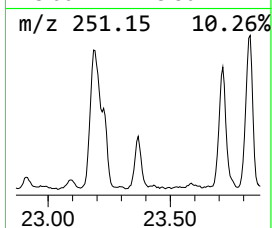
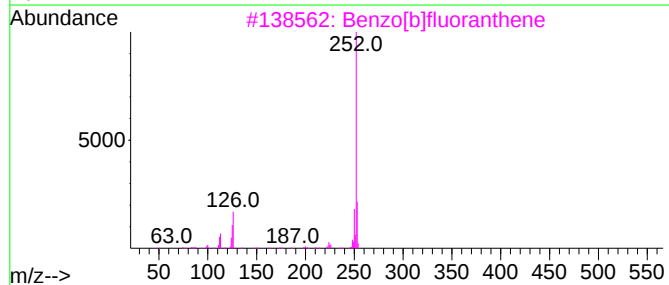
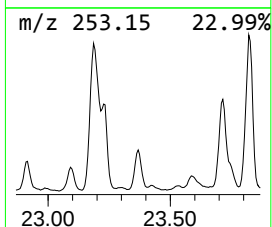
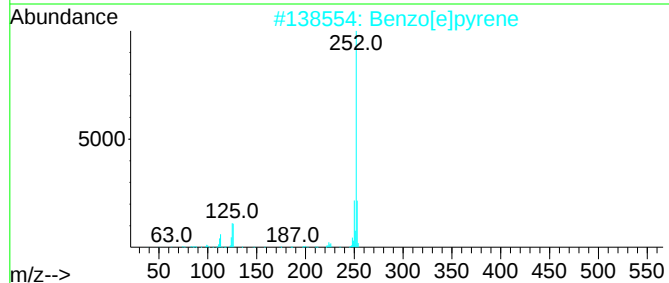
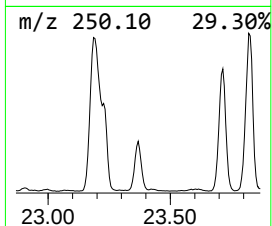
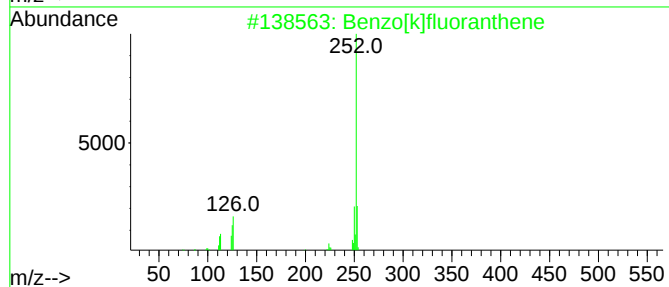
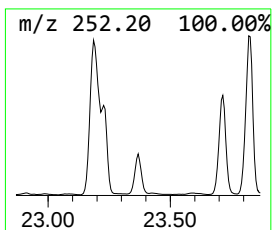
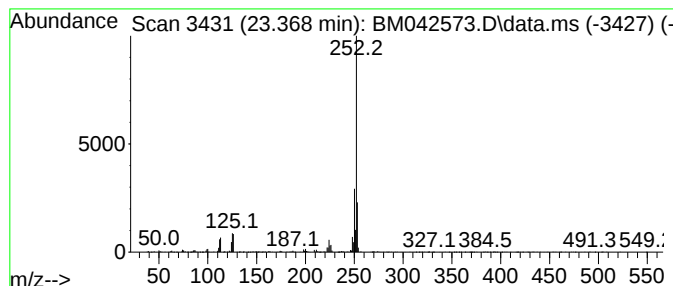
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.368	25.76 ng	691779	Perylene-d12	23.927

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2			Benzo[e]pyrene	252	C20H12	000192-97-2	96
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4			Perylene	252	C20H12	000198-55-0	89
5			Benzo[a]pyrene	252	C20H12	000050-32-8	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042573.D
Acq On : 03 Nov 2023 16:47
Operator : MA/JU
Sample : 05220-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-7(0-5)

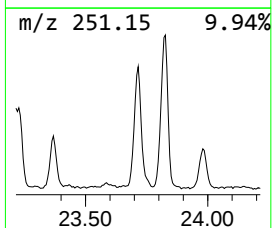
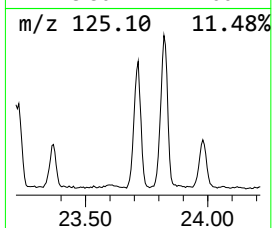
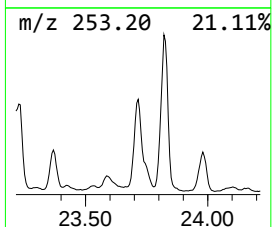
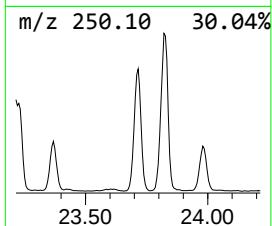
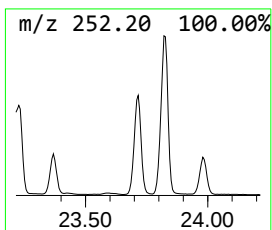
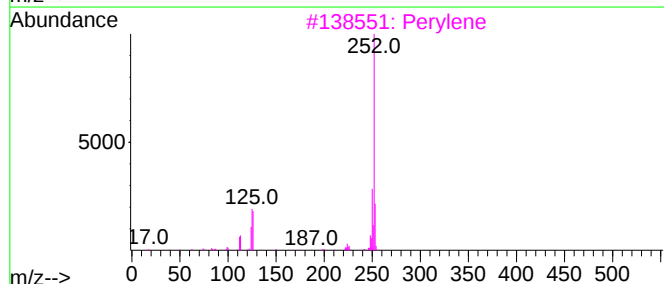
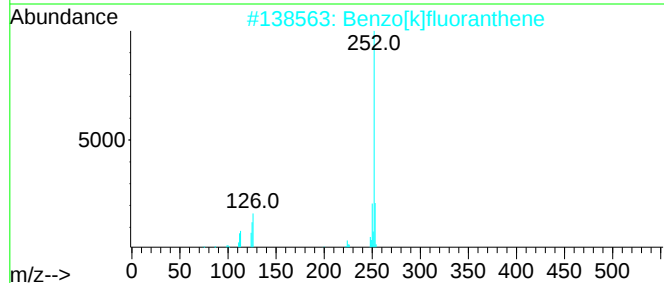
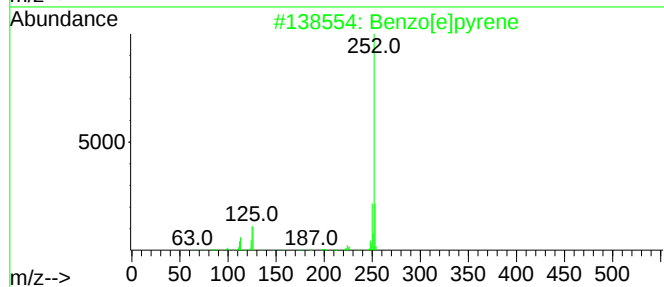
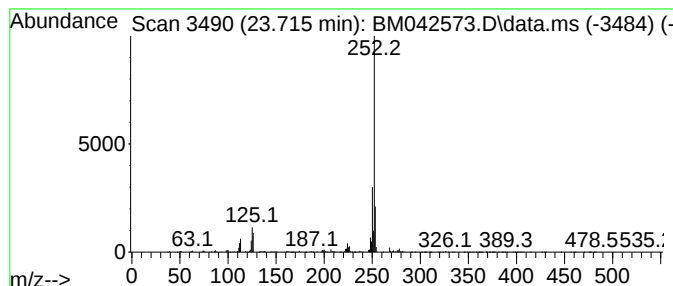
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.715	81.80 ng	2196500	Perylene-d12	23.927

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Perylene	252	C20H12	000198-55-0	96
4		Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5		Benzo[a]pyrene	252	C20H12	000050-32-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042573.D
Acq On : 03 Nov 2023 16:47
Operator : MA/JU
Sample : 05220-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-7(0-5)

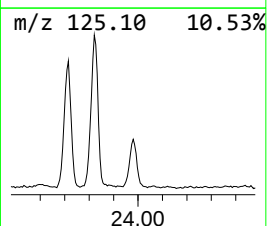
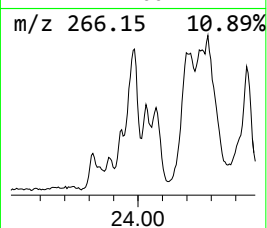
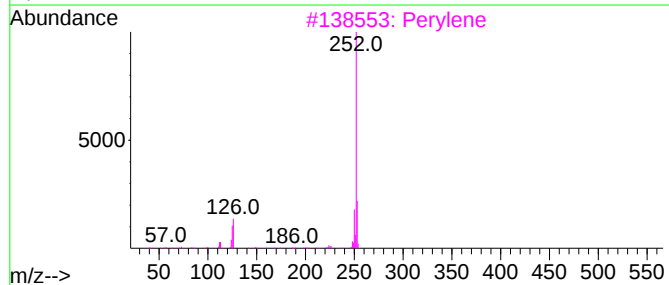
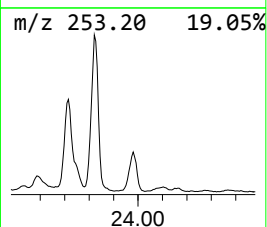
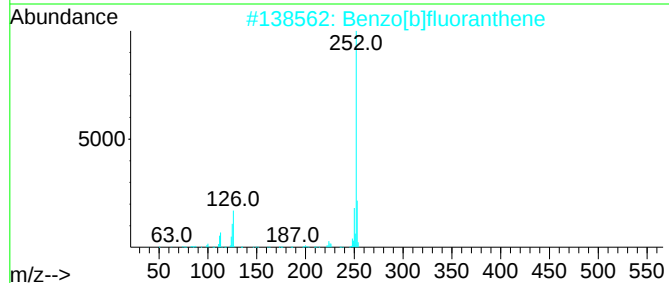
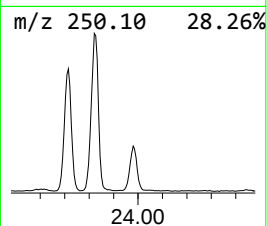
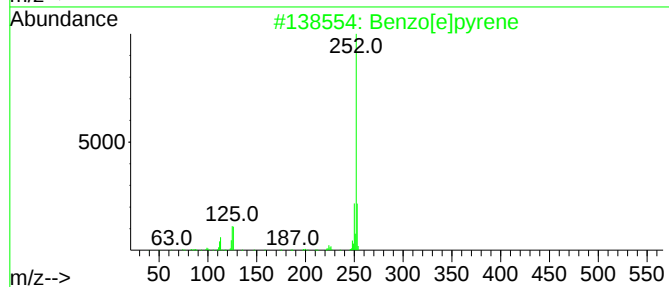
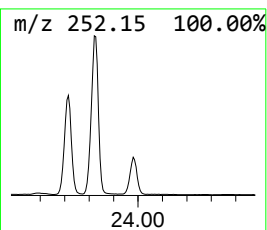
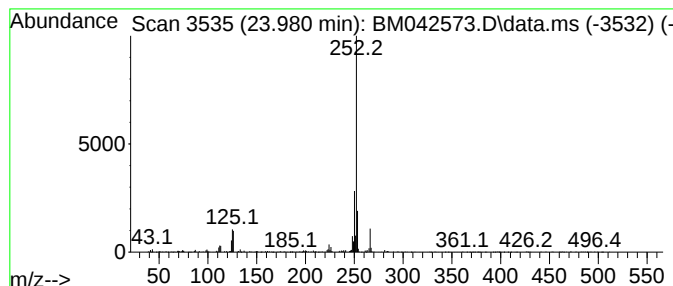
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.980	28.41 ng	762722	Perylene-d12	23.927

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	93
2			Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
3			Perylene	252	C20H12	000198-55-0	86
4			Benzo[j]fluoranthene	252	C20H12	000205-82-3	76
5			Benzo[k]fluoranthene	252	C20H12	000207-08-9	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042573.D
Acq On : 03 Nov 2023 16:47
Operator : MA/JU
Sample : 05220-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-7(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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
2,4,7,9-Tetrame...	13.410	9.7	ng	296039	3	14.569	611140	20.0
Naphthalene, 1...	15.163	6.0	ng	184012	3	14.569	611140	20.0
2,4,6-Cyclohept...	15.898	5.0	ng	152307	3	14.569	611140	20.0
9H-Fluorene, 1...	16.610	7.8	ng	258891	4	17.322	659374	20.0
Dibenzothiophene	17.139	14.1	ng	464753	4	17.322	659374	20.0
1-Methyldibenzo...	17.898	10.2	ng	337674	4	17.322	659374	20.0
4-Methylnaphtho...	18.039	7.4	ng	243692	4	17.322	659374	20.0
n-Hexadecanoic ...	18.174	47.4	ng	1563430	4	17.322	659374	20.0
Phenanthrene, 1...	18.239	19.8	ng	650971	4	17.322	659374	20.0
Phenanthrene, 2...	18.321	12.0	ng	395564	4	17.322	659374	20.0
4H-Cyclopenta[d...	18.392	47.3	ng	1560630	4	17.322	659374	20.0
1H-Indene, 2-ph...	18.427	15.1	ng	497162	4	17.322	659374	20.0
Naphthalene, 2-...	18.692	19.4	ng	638026	4	17.322	659374	20.0
Phenanthrene, 3...	18.980	5.1	ng	168987	4	17.322	659374	20.0
Phenanthrene, 1...	19.021	5.4	ng	178524	4	17.322	659374	20.0
di-p-Tolylacety...	19.104	16.2	ng	535229	4	17.322	659374	20.0
Phenanthrene, 2...	19.245	5.2	ng	171452	4	17.322	659374	20.0
Benzo[e]pyrene	23.368	25.8	ng	691779	6	23.927	537028	20.0
Perylene	23.715	81.8	ng	2196500	6	23.927	537028	20.0
Benzo[j]fluoran...	23.980	28.4	ng	762722	6	23.927	537028	20.0