LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
Data File : BM039128.D
Acq On : 23 Mar 2023 22:36
Operator : CG/JU
Sample : 02045-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC1-20230322

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-BM030823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM039128.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.046	293	299	309	rVB	1293827	1790256	6.46%	0.530%
2	5.446	362	367	373	rVV	367249	502579	1.81%	0.149%
3	5.516	373	379	385	rVV	3076239	4322089	15.59%	1.280%
4	5.581	385	390	405	rVB	301230	691070	2.49%	0.205%
5	5.940	444	451	465	rBV2	668634	1628942	5.87%	0.483%
6	7.122	643	652	658	rBV	2797681	4467671	16.11%	1.323%
7	7.610	730	735	745	rVB3	451702	909534	3.28%	0.269%
8	7.957	786	794	809	rBV	925794	1518473	5.48%	0.450%
9	8.498	880	886	899	rBV	524557	943365	3.40%	0.279%
10	9.128	986	993	999	rBV	1744349	2874345	10.36%	0.851%
11	9.792	1099	1106	1113	rBV	267479	538456	1.94%	0.160%
12	10.769	1262	1272	1276	rBV	1171018	2078119	7.49%	0.616%
13	10.822	1276	1281	1289	rVB	1900313	3146629	11.35%	0.932%
14	12.428	1543	1554	1561	rBV	810723	1307092	4.71%	0.387%
15	12.645	1583	1591	1600	rVB	690334	1128552	4.07%	0.334%
16	13.228	1684	1690	1700	rVB	3858445	5698766	20.55%	1.688%
17	13.763	1771	1781	1782	rBV	285884	422233	1.52%	0.125%
18	13.857	1791	1797	1802	rBV2	261696	420246	1.52%	0.124%
19	13.922	1802	1808	1813	rVV	579397	942369	3.40%	0.279%
20	14.157	1839	1848	1851	rBV2	302017	481531	1.74%	0.143%
21	14.322	1867	1876	1887	rBV2	862937	1587767	5.73%	0.470%
22	14.598	1912	1923	1929	rBV	1684184	2734803	9.86%	0.810%
23	14.663	1929	1934	1941	rVV	1985458	2962740	10.68%	0.878%
24	14.910	1969	1976	1980	rBV2	241201	415520	1.50%	0.123%
25	14.998	1986	1991	1998	rVB	1634669	2403923	8.67%	0.712%
26	15.216	2019	2028	2033	rBV4	320997	861894	3.11%	0.255%
27	15.269	2033	2037	2049	rVB2	290109	599586	2.16%	0.178%
28	15.645	2095	2101	2112	rVB	2870586	4188678	15.10%	1.241%
29	15.769	2119	2122	2125	rVV	341363	443017	1.60%	0.131%
30	15.810	2125	2129	2133	rVB3	437958	623271	2.25%	0.185%
31	15.945	2147	2152	2160	rVB2	683471	1512478	5.45%	0.448%
32	16.086	2170	2176	2184	rBV	3396214	5200210	18.75%	1.540%
33	16.321	2206	2216	2221	rVB5	252258	667904	2.41%	0.198%
34	16.645	2261	2271	2276	rBV2	688082	1570744	5.66%	0.465%
35	16.698	2276	2280	2286	rVV2	366958	557173	2.01%	0.165%
36	16.798	2294	2297	2302	rVB	375740	502716	1.81%	0.149%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC1-20230322

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-BM030823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.998	2327	2331	2338	rVB4	430443	723146	2.61%	0.214%
38	17.098	2346	2348	2354	rVV4	473906	702699	2.53%	0.208%
39	17.163	2354	2359	2366	rVV	1246778	2001863	7.22%	0.593%
40	17.221	2366	2369	2378	rVB	307642	491135	1.77%	0.145%
41	17.351	2385	2391	2393	rBV	1803511	2761650	9.96%	0.818%
42	17.398	2393	2399	2404	rVV	17466256	25940107	93.54%	7.684%
43	17.480	2404	2413	2418	rVV	4804055	6755009	24.36%	2.001%
44	17.551	2418	2425	2433	rVB3	580042	1531024	5.52%	0.454%
45	17.751	2454	2459	2470	rVB	1500544	2238017	8.07%	0.663%
46	17.868	2476	2479	2483	rVB	418302	497282	1.79%	0.147%
47	17.927	2485	2489	2493	rBV	347026	461788	1.67%	0.137%
48	18.057	2507	2511	2522	rVB2	298277	688349	2.48%	0.204%
49	18.227	2534	2540	2544	rBV	2604946	4807311	17.33%	1.424%
50	18.274	2544	2548	2555	rVV	3398697	4830990	17.42%	1.431%
51	18.357	2556	2562	2566	rVV	1270004	1851731	6.68%	0.549%
52	18.421	2567	2573	2577	rVV3	3821732	7026950	25.34%	2.082%
53	18.457	2577	2579	2585	rVB	1747641	1955019	7.05%	0.579%
54	18.721	2620	2624	2628	rVV	1764433	2374725	8.56%	0.703%
55	18.768	2628	2632	2637	rVB3	509800	746843	2.69%	0.221%
56	18.968	2662	2666	2670	rVV	633263	776634	2.80%	0.230%
57	19.021	2671	2675	2678	rVV	480151	630664	2.27%	0.187%
58	19.057	2678	2681	2685	rVB2	444131	602141	2.17%	0.178%
59	19.145	2691	2696	2701	rBV	1222275	2237238	8.07%	0.663%
60	19.209	2701	2707	2710	rVV2	592214	1007196	3.63%	0.298%
61	19.280	2715	2719	2728	rBV4	704554	1443978	5.21%	0.428%
62	19.409	2734	2741	2746	rBV	18839245	27732253	100.00%	8.215%
63	19.457	2746	2749	2754	rVB2	1036015	1312798	4.73%	0.389%
64	19.509	2754	2758	2762	rBV2	848766	1457388	5.26%	0.432%
65	19.651	2778	2782	2785	rVB	739969	894437	3.23%	0.265%
66	19.739	2792	2797	2798	rBV	3437481	4268565	15.39%	1.264%
67	19.774	2798	2803	2810	rVV	17304470	26209076	94.51%	7.764%
68	19.839	2810	2814	2821	rVB2	959127	1542906	5.56%	0.457%
69	19.968	2828	2836	2840	rBV2	5614010	8105486	29.23%	2.401%
70	20.009	2840	2843	2847	rVB	849272	1104991	3.98%	0.327%
71	20.092	2851	2857	2863	rBV3	1213498	3109731	11.21%	0.921%
72	20.227	2874	2880	2881	rVV2	936738	1503436	5.42%	0.445%
73	20.262	2882	2886	2891	rVB	3281984	4606895	16.61%	1.365%
74	20.362	2898	2903	2906	rBV	2685622	3551629	12.81%	1.052%
75	20.415	2906	2912	2916	rVV2	1803937	3001877	10.82%	0.889%
76	20.456	2916	2919	2922	rVB	487834	521006	1.88%	0.154%

LSC Area Percent Report

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Acq On : 23 Mar 2023 22:36
Operator : CG/JU
Sample : 02045-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WC1-20230322

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

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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.498	2923	2926	2931	rVB3	337016	476446	1.72%	0.141%
78	20.556	2932	2936	2940	rBV	1160034	1460405	5.27%	0.433%
79	20.603	2940	2944	2948	rVB2	1127591	1395855	5.03%	0.413%
80	20.768	2969	2972	2976	rBV3	338633	424092	1.53%	0.126%
81	20.968	3002	3006	3008	rBV2	567159	890942	3.21%	0.264%
82	21.003	3009	3012	3019	rVB	991163	1871348	6.75%	0.554%
83	21.174	3037	3041	3044	rBV	1195651	1430647	5.16%	0.424%
84	21.209	3044	3047	3052	rVV2	1617946	2900054	10.46%	0.859%
85	21.251	3052	3054	3059	rVB2	1308293	1745561	6.29%	0.517%
86	21.515	3094	3099	3104	rBV3	10218644	16999754	61.30%	5.036%
87	21.568	3104	3108	3118	rVB	8947485	12449145	44.89%	3.688%
88	21.692	3125	3129	3135	rVB	1432513	2014708	7.26%	0.597%
89	21.856	3153	3157	3162	rVB2	1063363	1677126	6.05%	0.497%
90	22.109	3197	3200	3204	rVB	1249720	1598153	5.76%	0.473%
91	22.162	3207	3209	3215	rVB	987464	1342935	4.84%	0.398%
92	22.321	3233	3236	3239	rBV	683808	925012	3.34%	0.274%
93	23.227	3382	3390	3395	rBV	5897054	15708854	56.64%	4.653%
94	23.409	3416	3421	3428	rVB	1321342	2239007	8.07%	0.663%
95	23.750	3473	3479	3489	rVB	3969532	8378194	30.21%	2.482%
96	23.862	3490	3498	3505	rBV	5876178	12018539	43.34%	3.560%
97	23.962	3510	3515	3520	rVV	1524820	3447743	12.43%	1.021%
98	24.015	3520	3524	3533	rVB2	1745647	3743084	13.50%	1.109%
99	26.497	3938	3946	3958	rVB2	2805622	8797315	31.72%	2.606%
100	27.285	4072	4080	4095	rVB	2102993	7000395	25.24%	2.074%

Sum of corrected areas: 337586018

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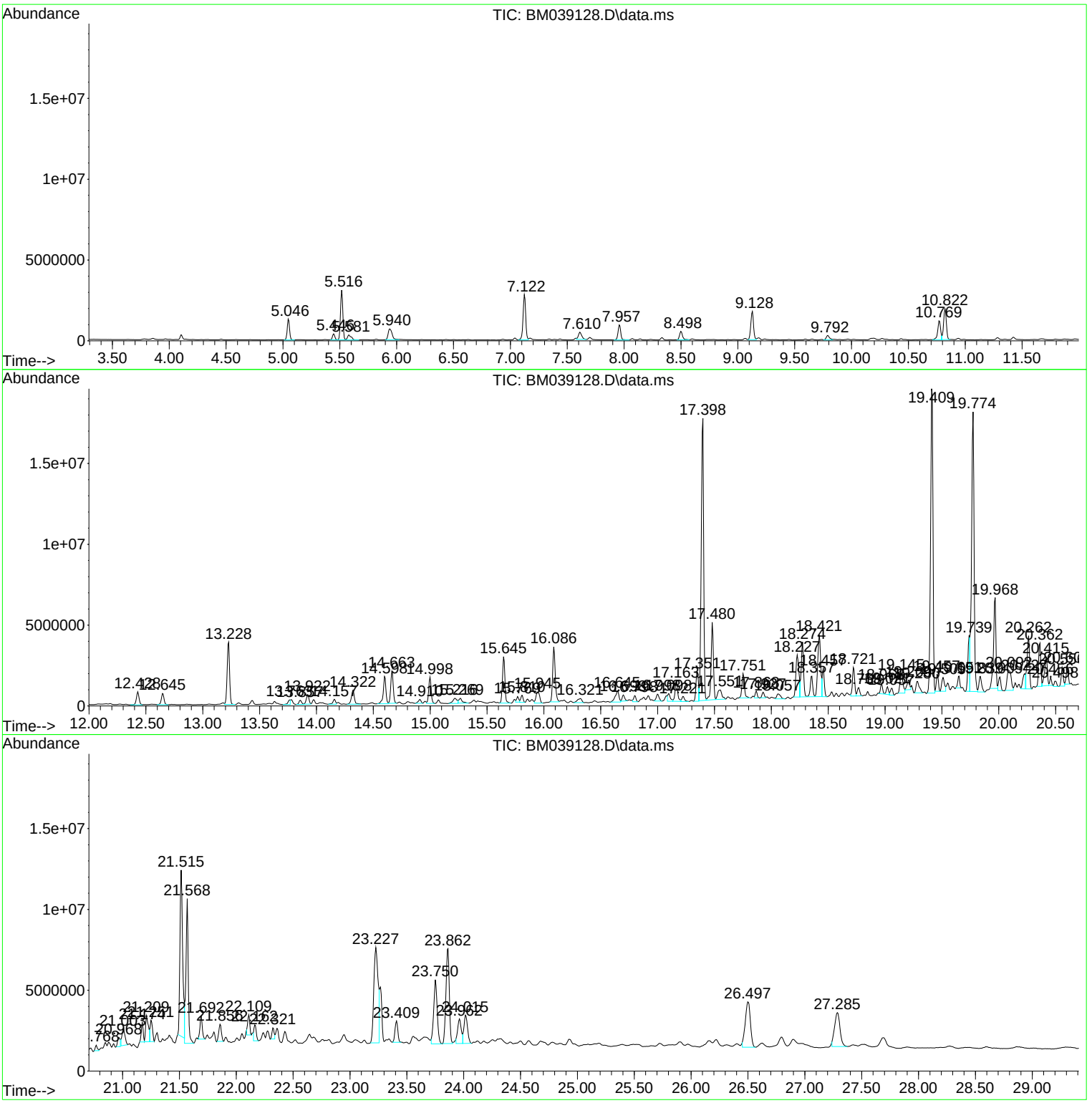
Instrument :
BNA_M
ClientSampleId :
WC1-20230322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
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Instrument :
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WC1-20230322

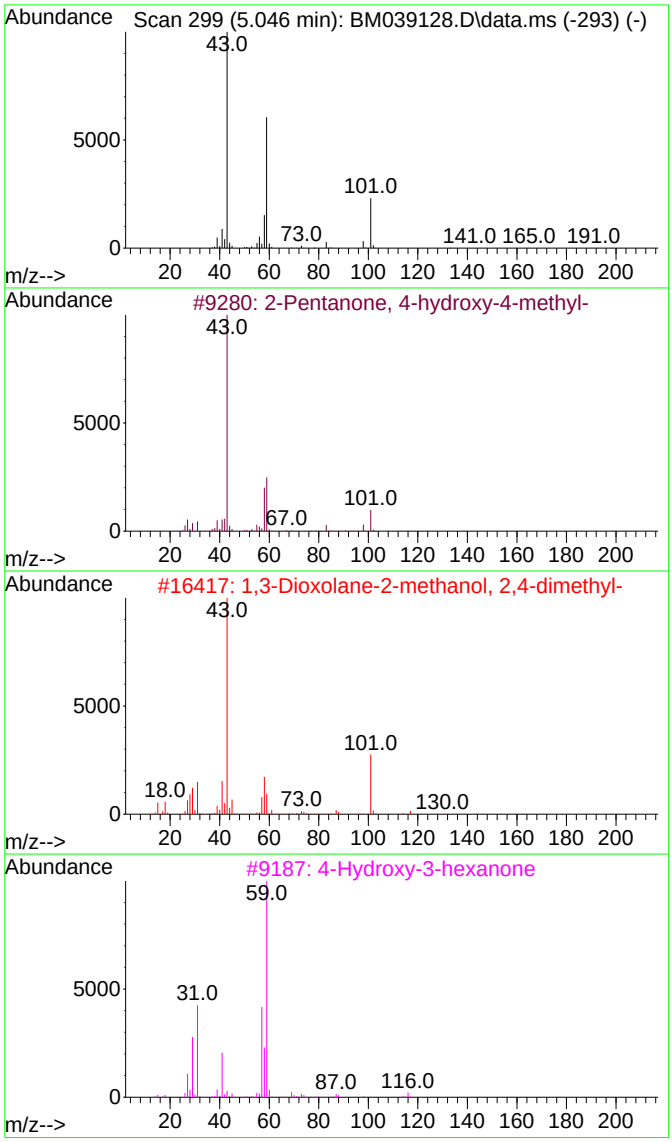
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

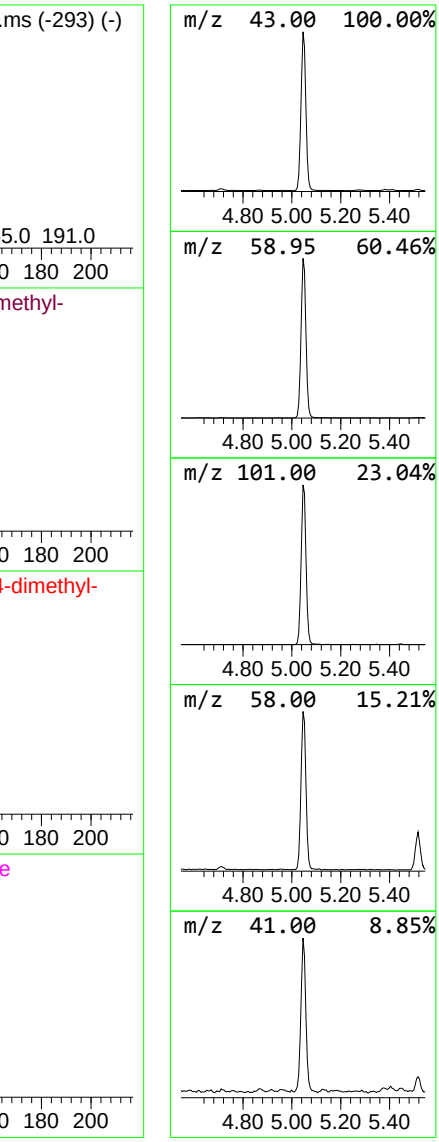
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.046	23.58 ng	1790260	1,4-Dichlorobenzene-d4	7.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	28
3	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	23
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

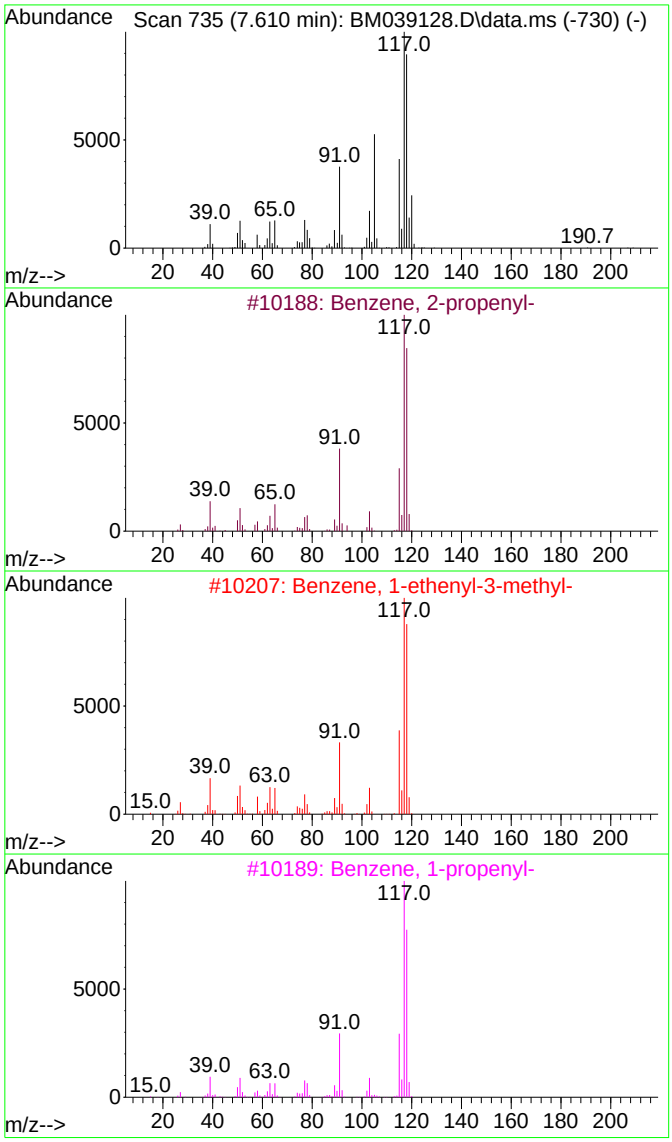
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

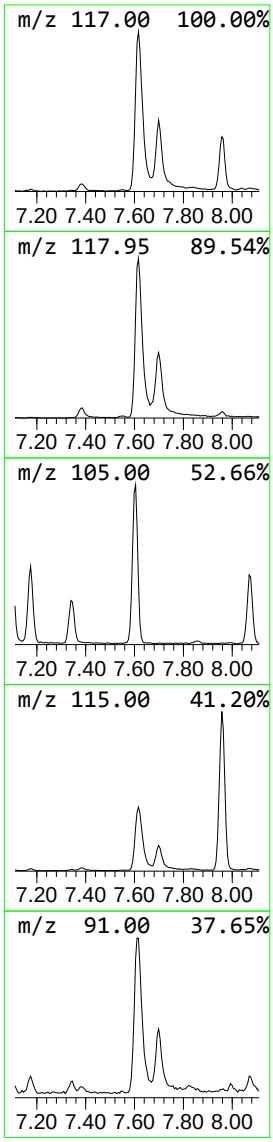
****

Peak Number 4 Benzene, 2-propenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.610	11.98 ng	909534	1,4-Dichlorobenzene-d4	7.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
4	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

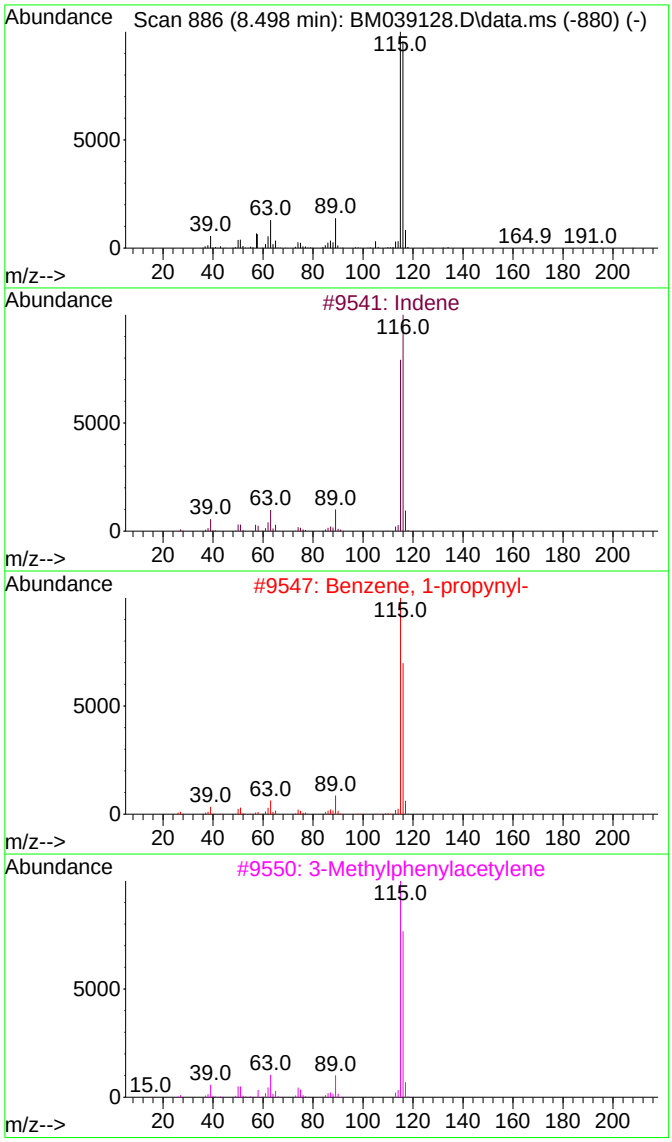
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

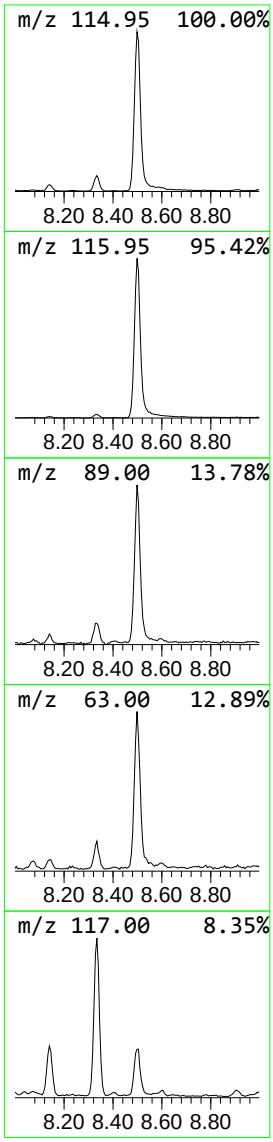
****

Peak Number 5 Indene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.498	12.43 ng	943365	1,4-Dichlorobenzene-d4	7.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	90





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Misc :
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Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

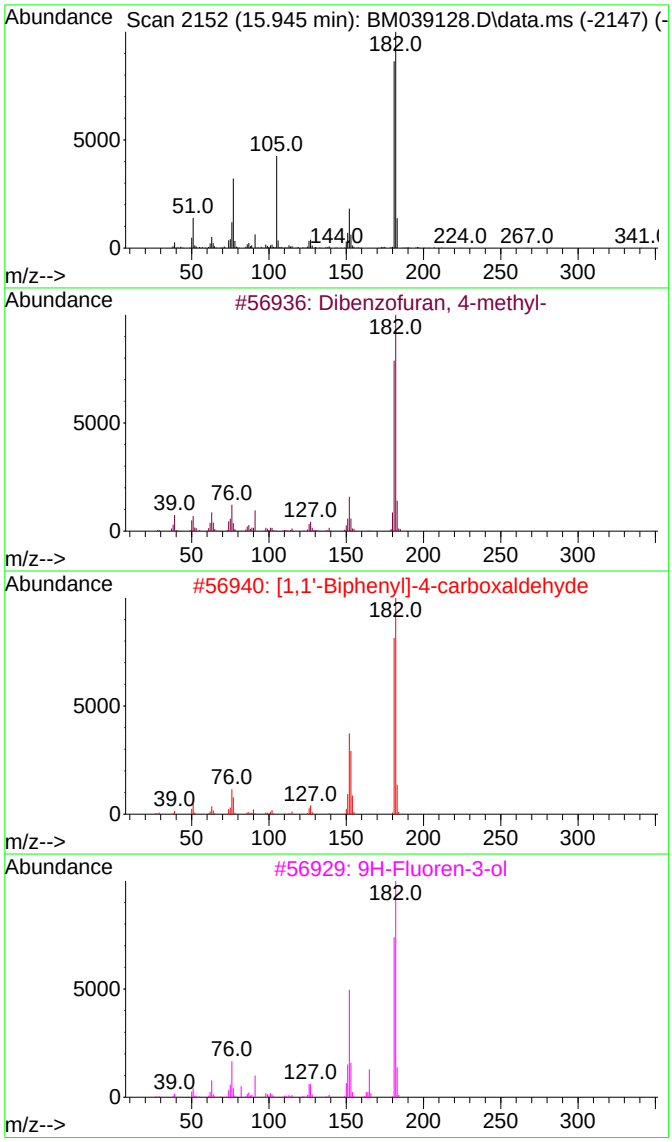
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

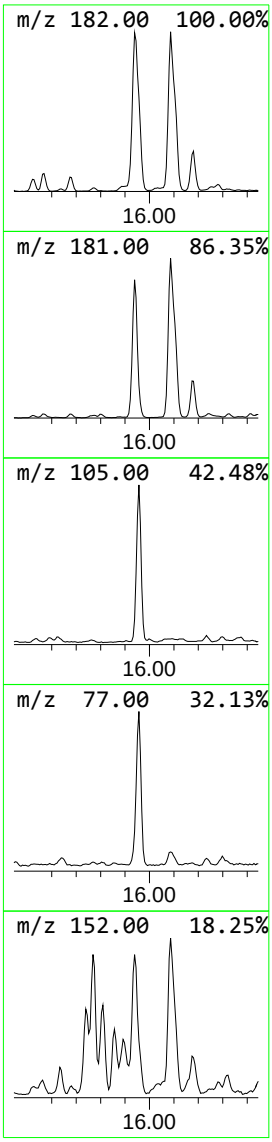
****

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.945	11.06 ng	1512480	Acenaphthene-d10	14.598

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
5	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
Data File : BM039128.D
Acq On : 23 Mar 2023 22:36
Operator : CG/JU
Sample : 02045-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC1-20230322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

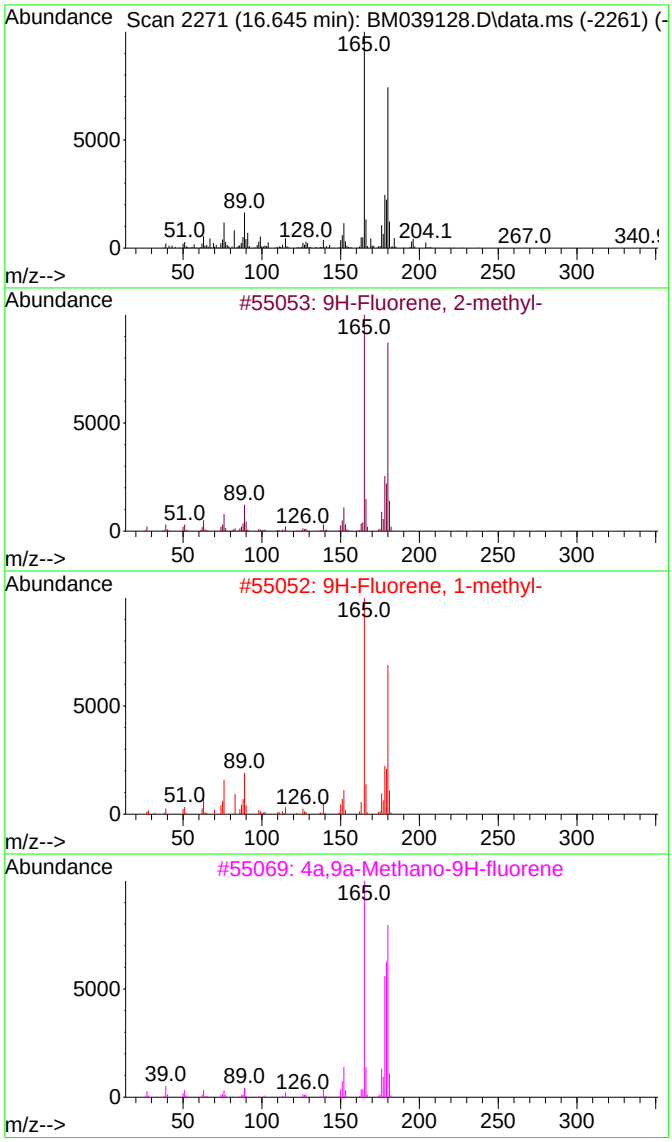
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

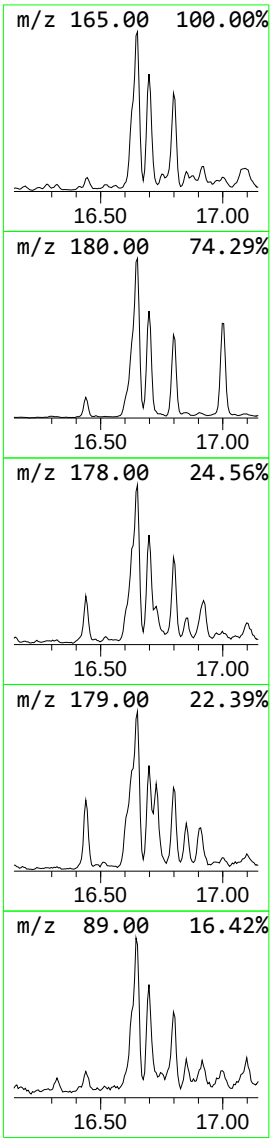
****

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.645	11.38 ng	1570740	Phenanthrene-d10	17.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	93
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	74





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Sample : 02045-06
Misc :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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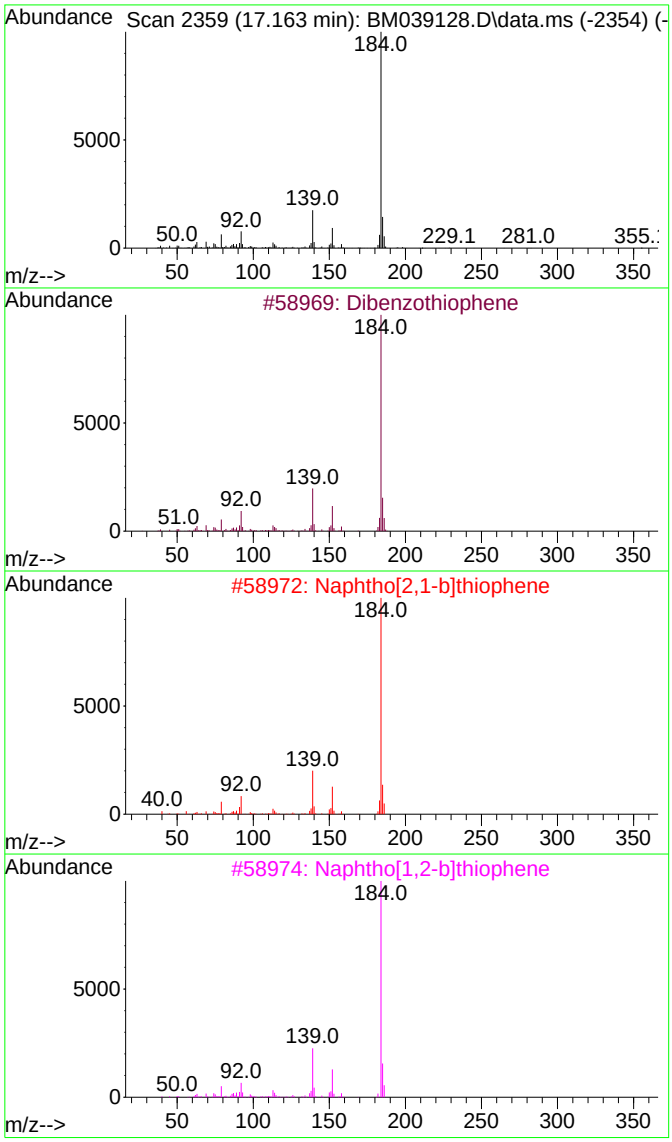
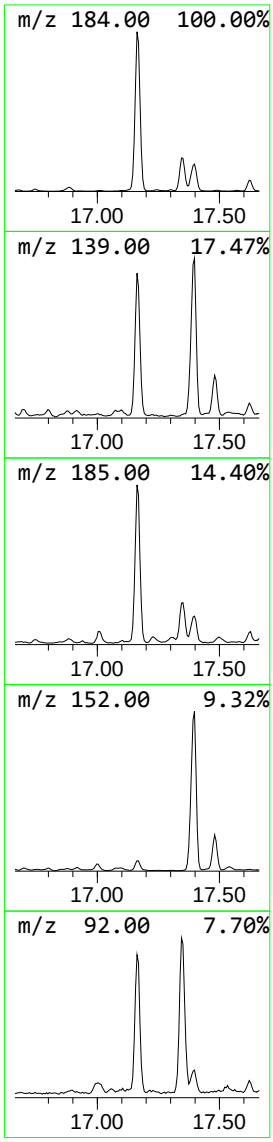
Peak Number 8 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.163	14.50 ng	2001860	Phenanthrene-d10	17.345

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	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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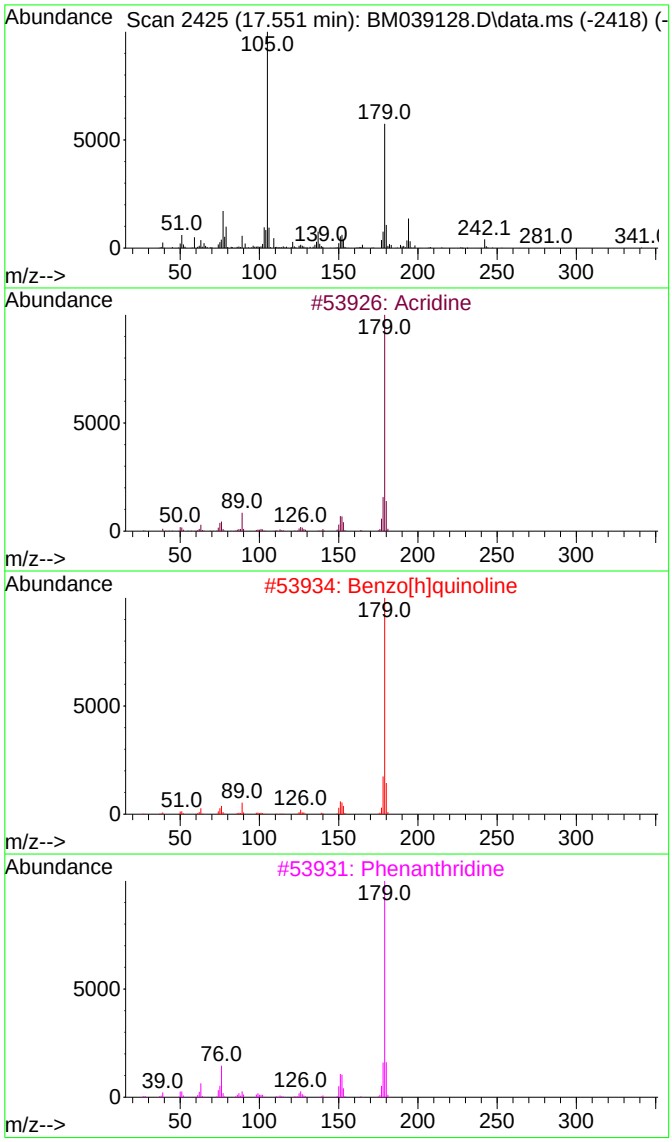
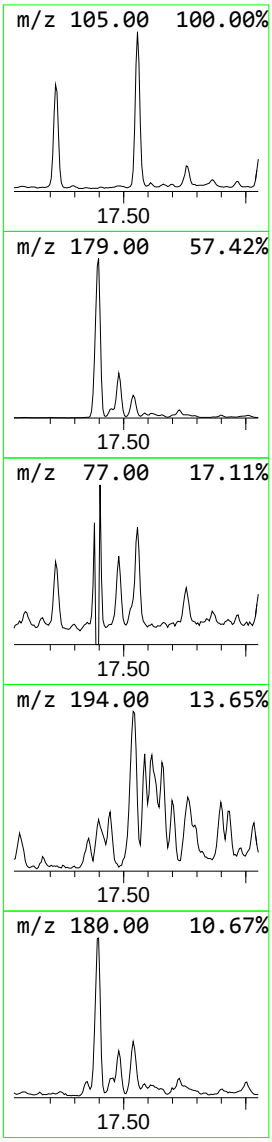
Peak Number 9 unknown17.551 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.551	11.09 ng	1531020	Phenanthrene-d10	17.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	46
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	46
3	Phenanthridine	179	C13H9N	000229-87-8	46
4	4-tert-Butylcatechol, dimethyl e...	194	C12H18O2	1000352-79-6	43
5	1-Phenylethanethiol, S-acetyl-	180	C10H12OS	067385-07-3	42





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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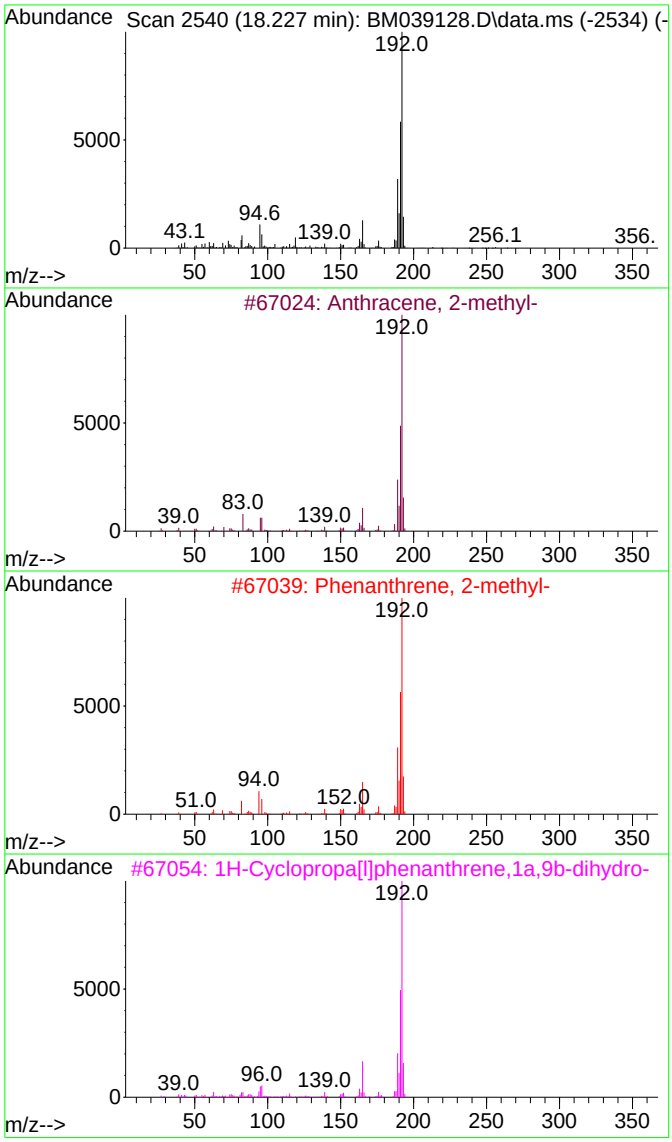
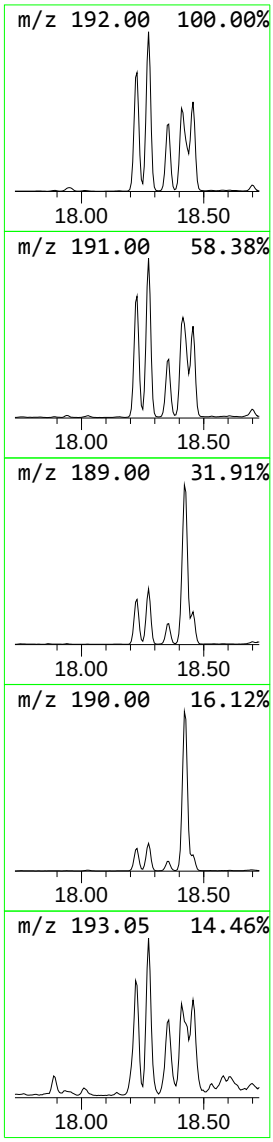
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.227	34.81 ng	4807310	Phenanthrene-d10	17.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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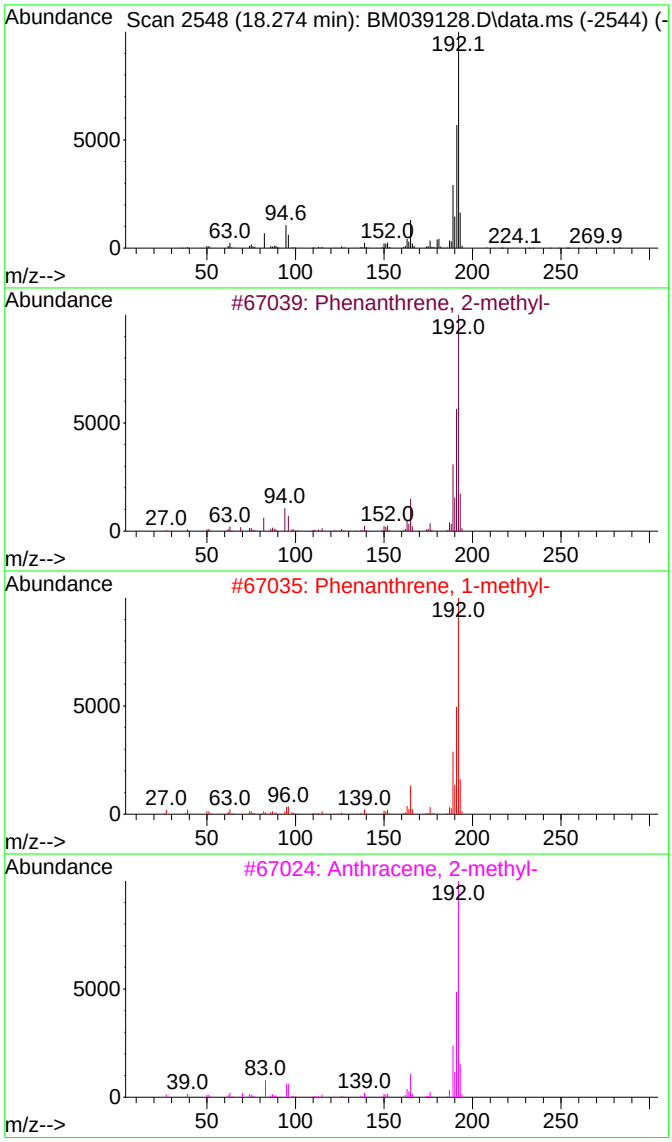
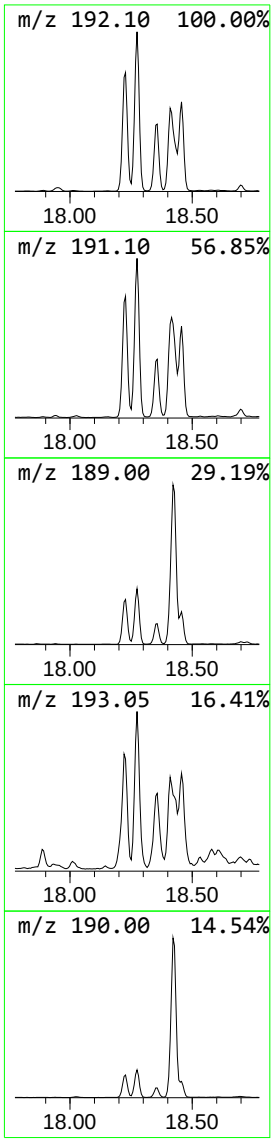
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.274	34.99 ng	4830990	Phenanthrene-d10	17.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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

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

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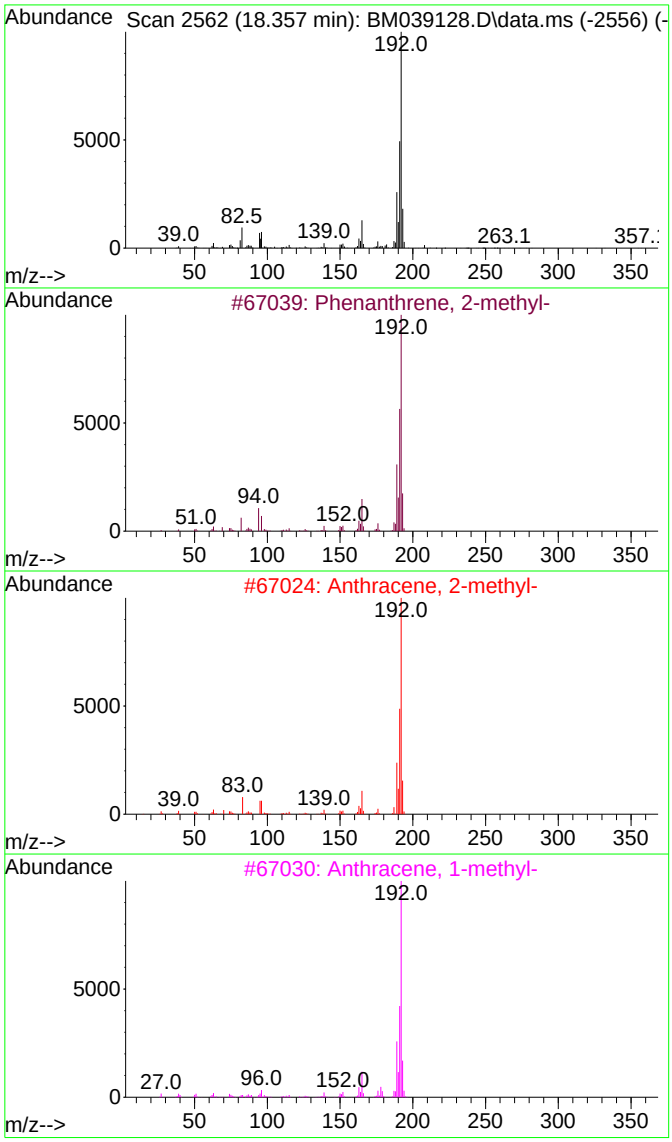
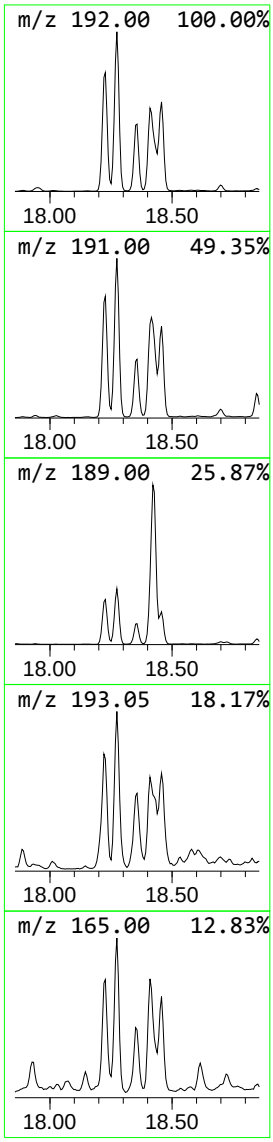
Peak Number 12 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.357	13.41 ng	1851730	Phenanthrene-d10	17.345

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





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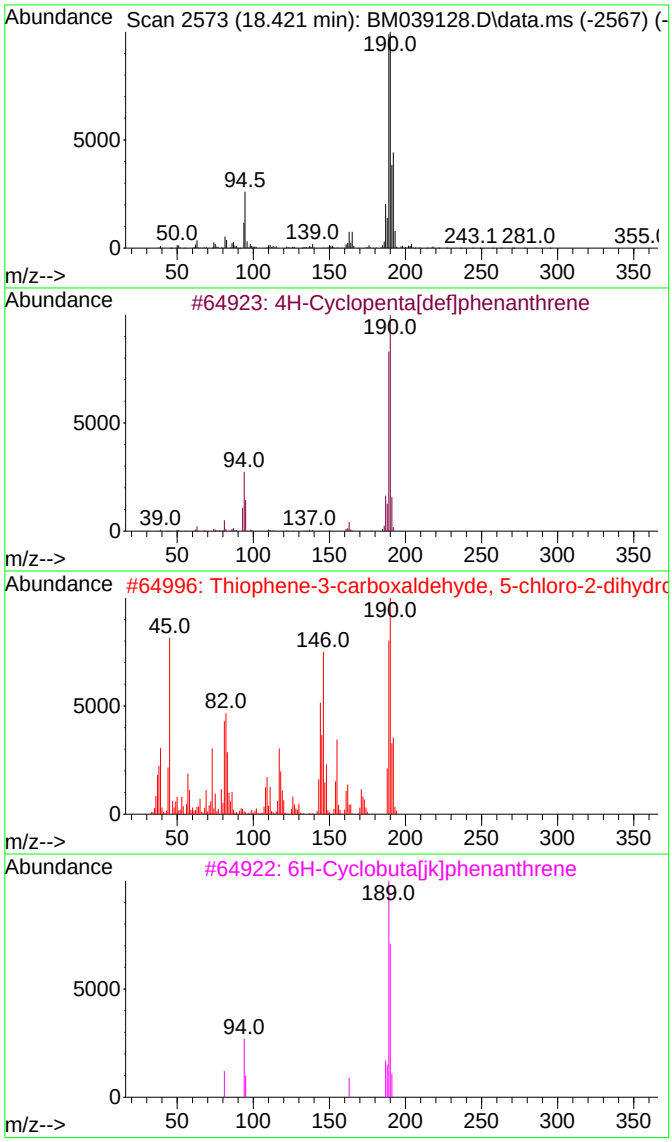
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

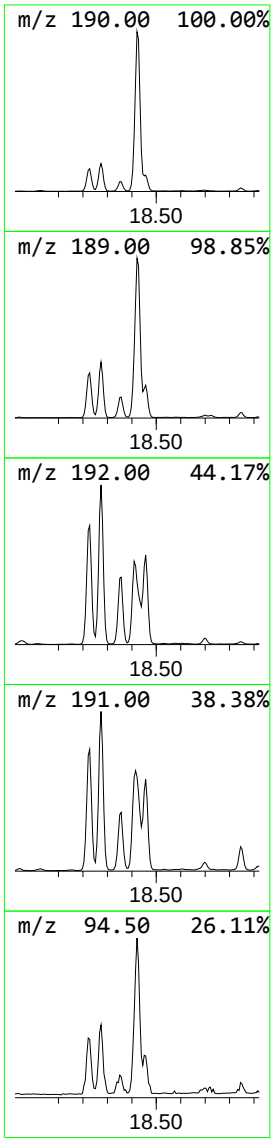
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.421	50.89 ng	7026950	Phenanthrene-d10	17.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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

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

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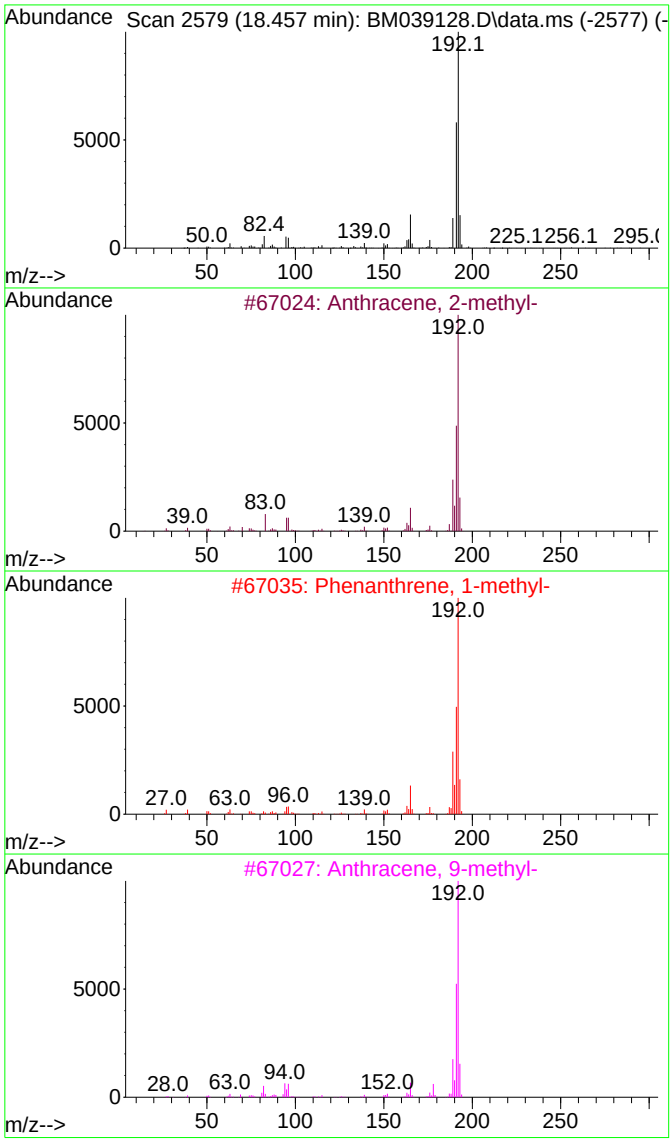
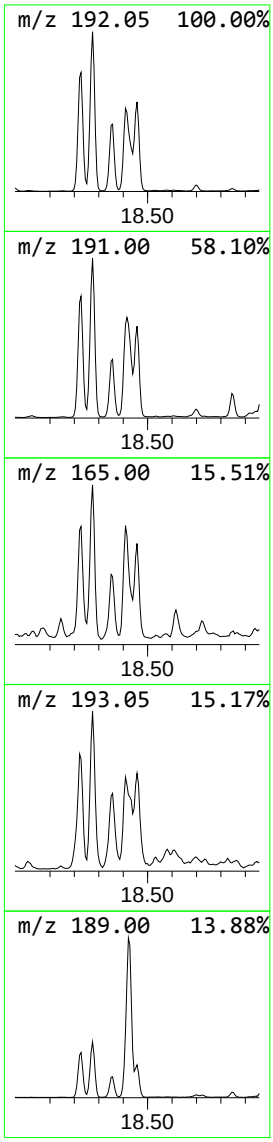
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.457	14.16 ng	1955020	Phenanthrene-d10	17.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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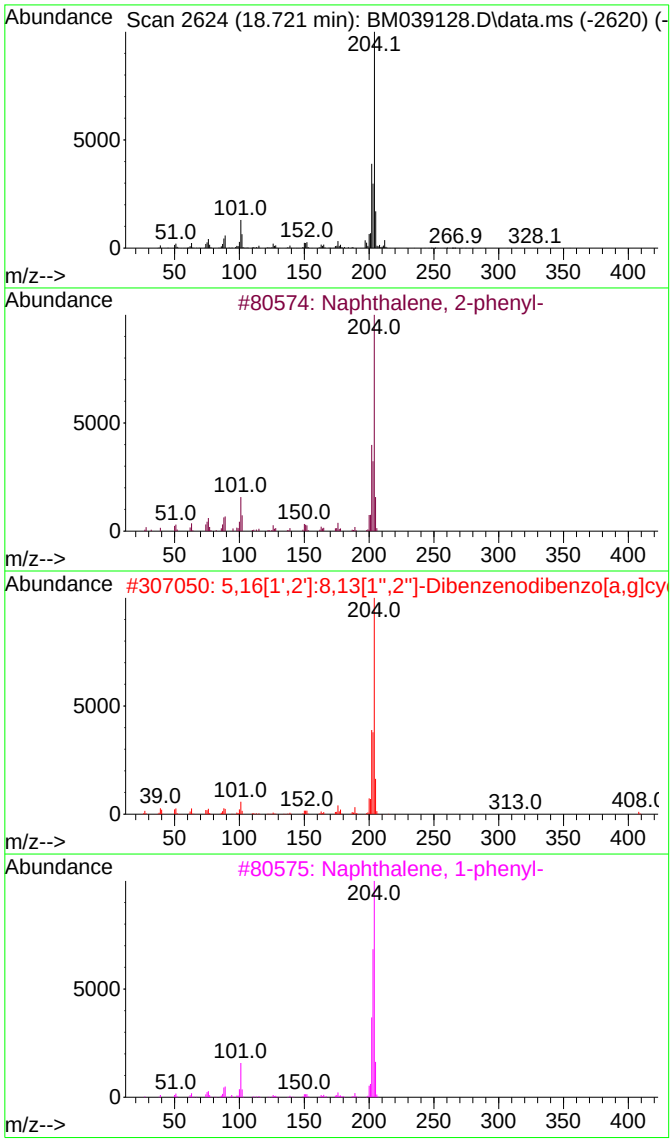
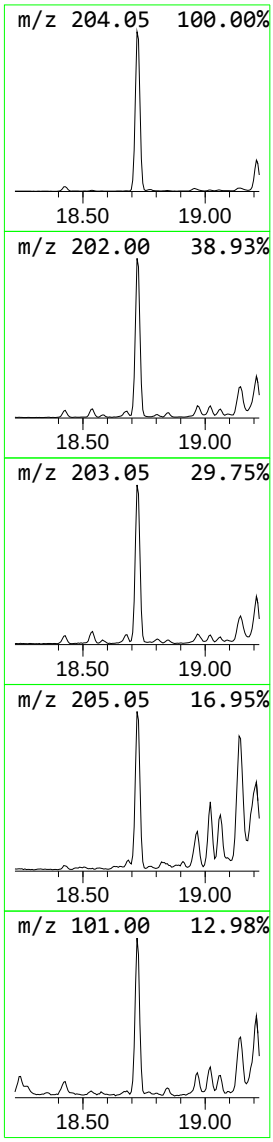
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.721	17.20 ng	2374730	Phenanthrene-d10	17.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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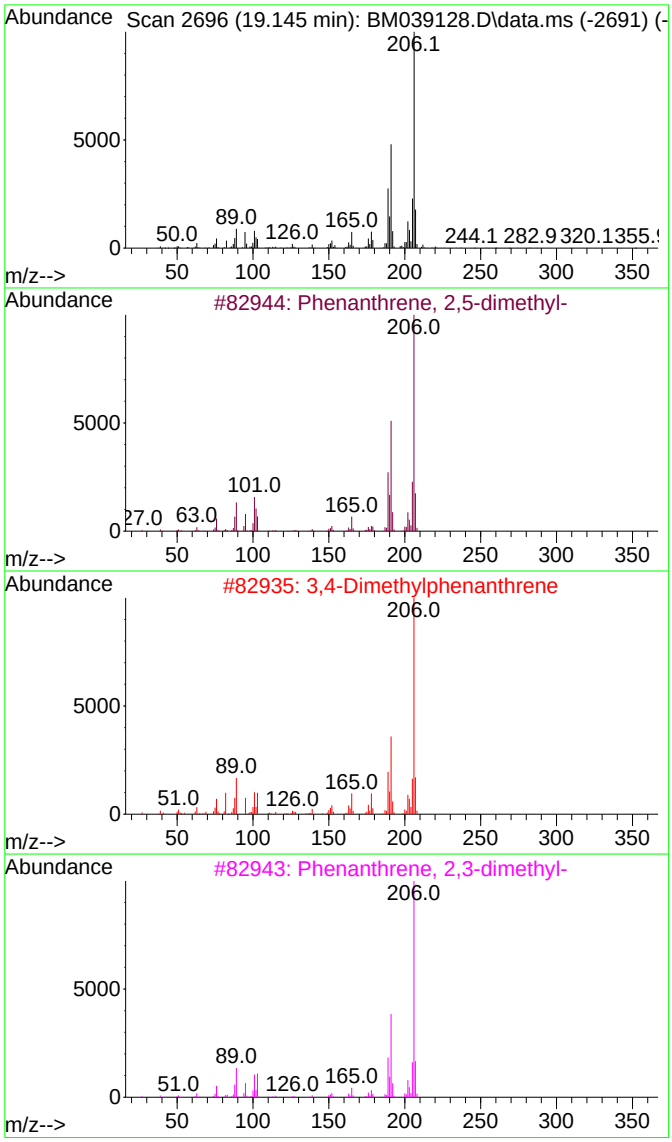
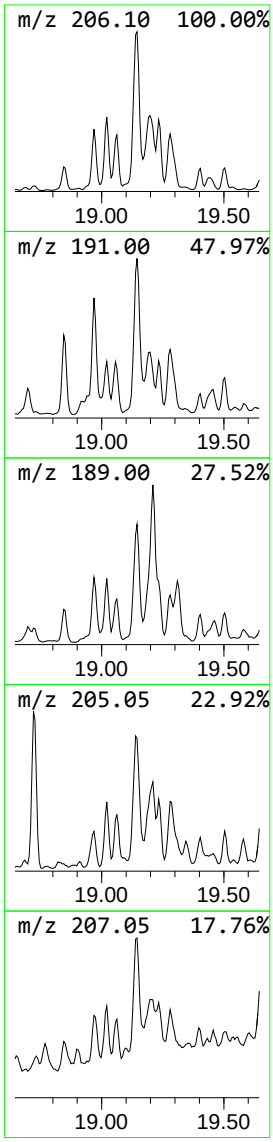
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.145	16.20 ng	2237240	Phenanthrene-d10	17.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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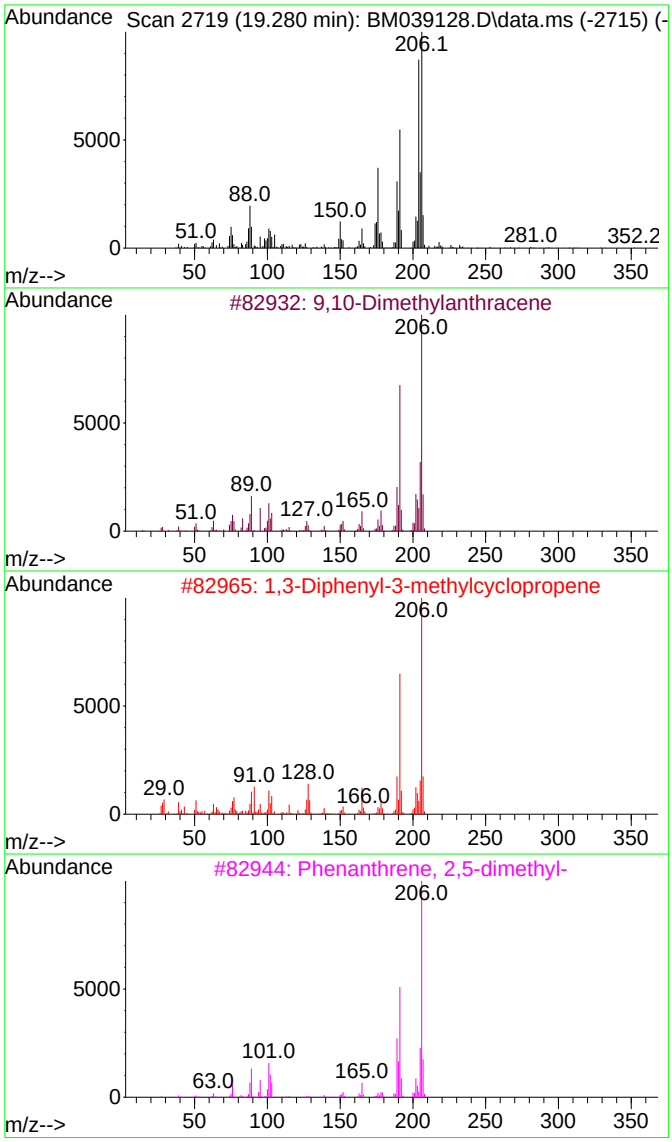
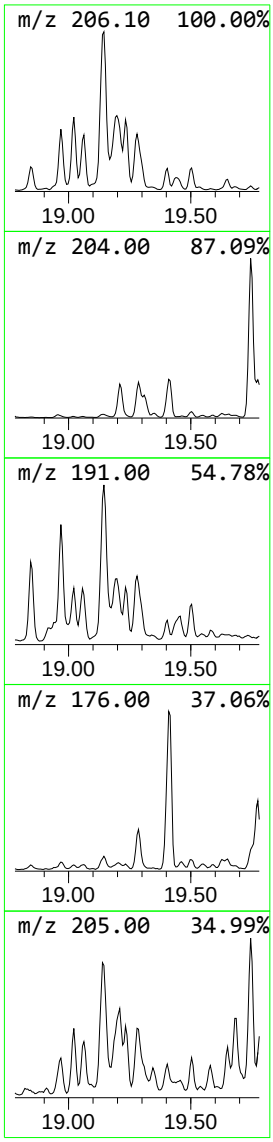
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.280	10.46 ng	1443980	Phenanthrene-d10	17.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	86
5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86





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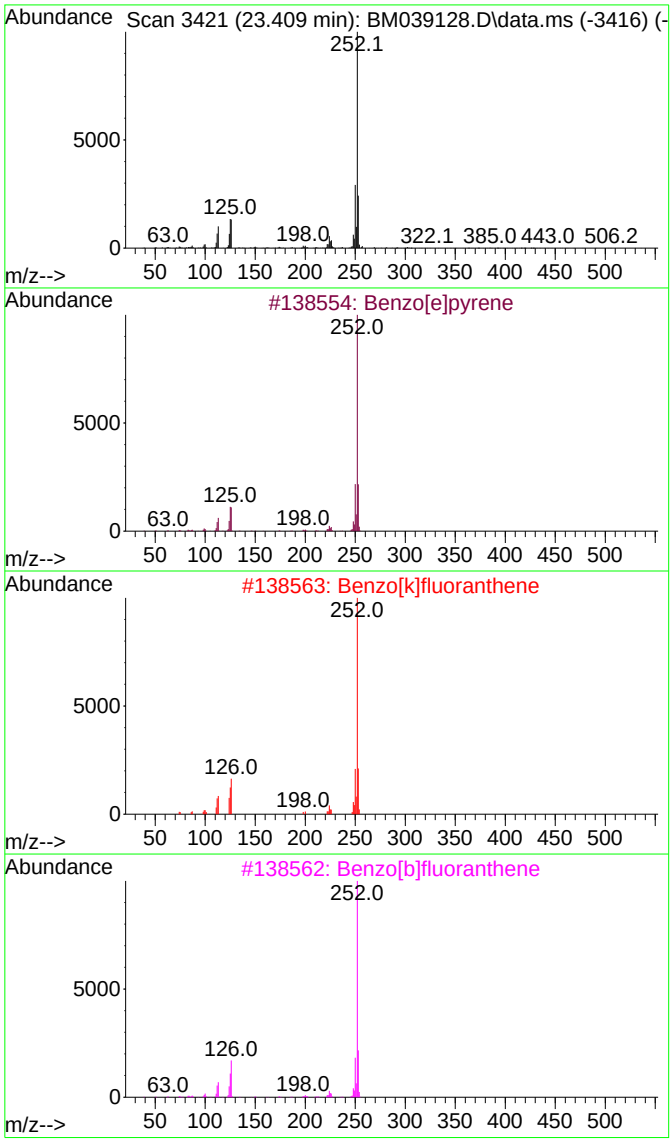
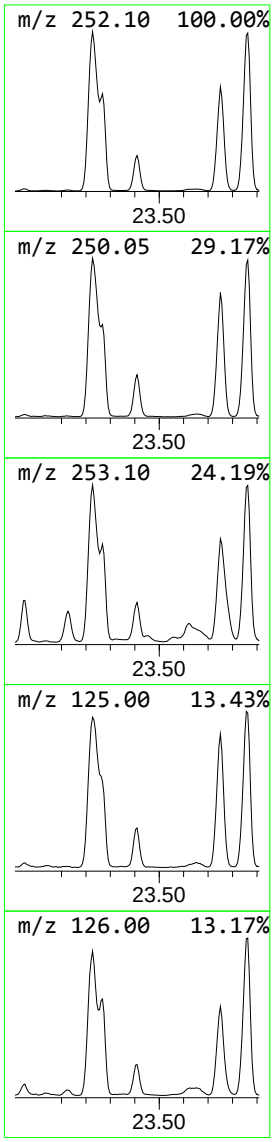
Peak Number 18 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.409	12.99 ng	2239010	Perylene-d12	23.962

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	81





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BNA_M
ClientSampleId :
WC1-20230322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

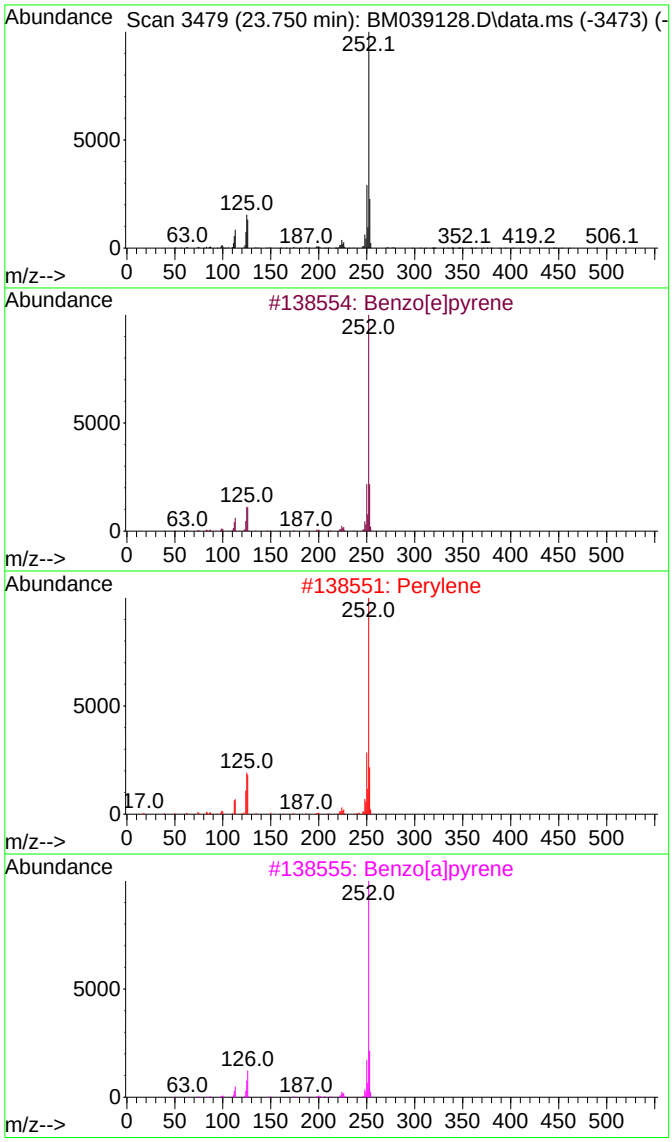
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

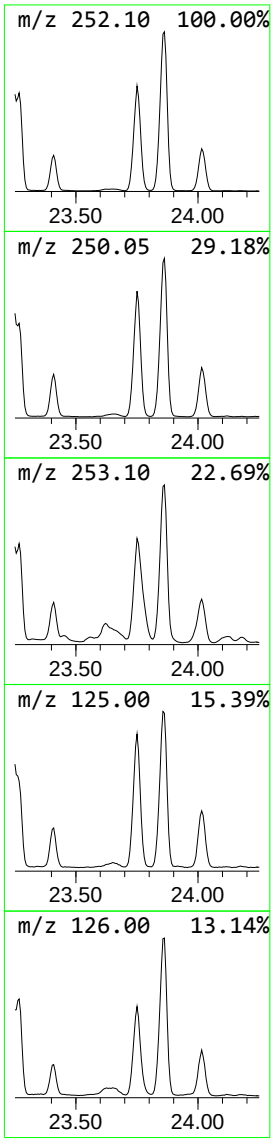
****

Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.750	48.60 ng	8378190	Perylene-d12	23.962

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
Data File : BM039128.D
Acq On : 23 Mar 2023 22:36
Operator : CG/JU
Sample : 02045-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC1-20230322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

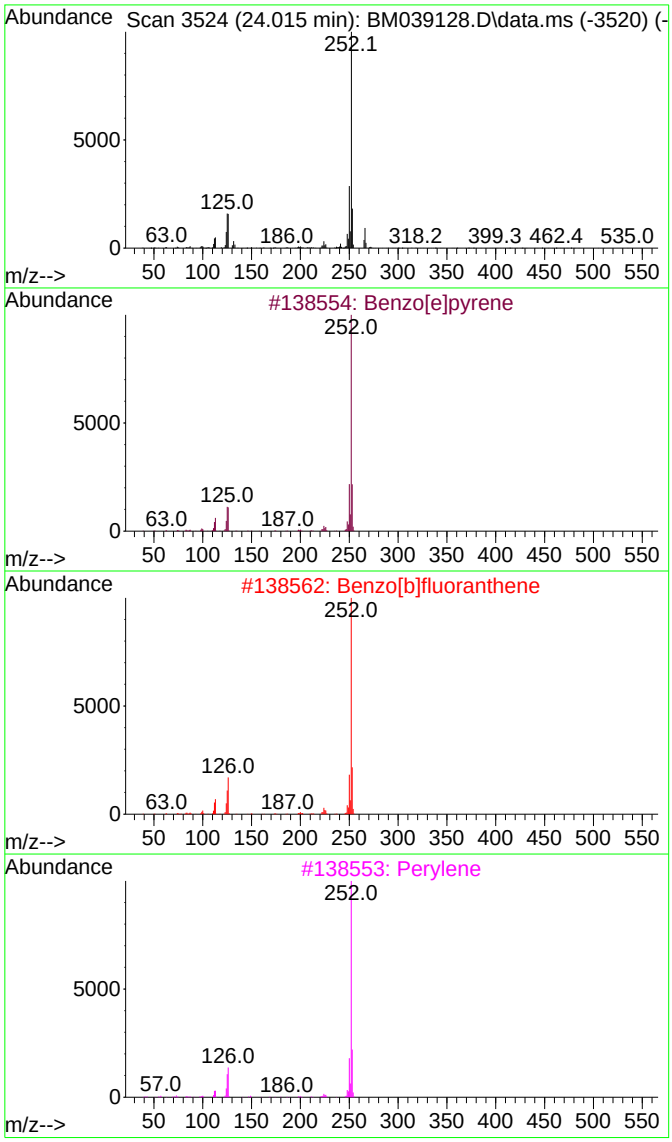
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

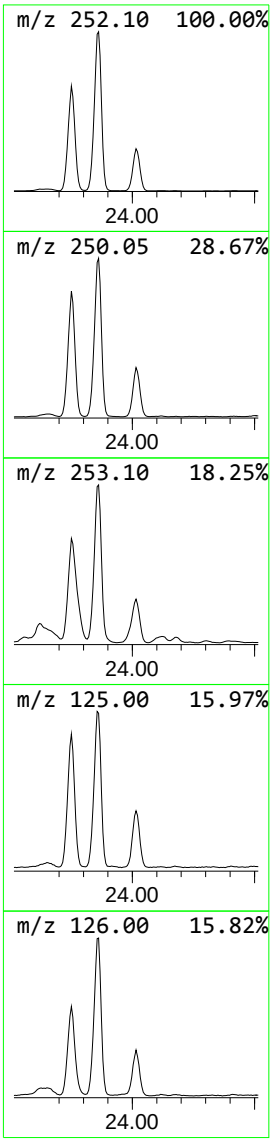
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.015	21.71 ng	3743080	Perylene-d12	23.962

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
Data File : BM039128.D
Acq On : 23 Mar 2023 22:36
Operator : CG/JU
Sample : 02045-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC1-20230322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.046	23.6	ng	1790260	1	7.957	1518470	20.0
Benzene, 2-prop...	7.610	12.0	ng	909534	1	7.957	1518470	20.0
Indene	8.498	12.4	ng	943365	1	7.957	1518470	20.0
Dibenzofuran, 4...	15.945	11.1	ng	1512480	3	14.598	2734800	20.0
9H-Fluorene, 2-...	16.645	11.4	ng	1570740	4	17.345	2761650	20.0
Dibenzothiophene	17.163	14.5	ng	2001860	4	17.345	2761650	20.0
unknown17.551	17.551	11.1	ng	1531020	4	17.345	2761650	20.0
Anthracene, 2-m...	18.227	34.8	ng	4807310	4	17.345	2761650	20.0
Phenanthrene, 2...	18.274	35.0	ng	4830990	4	17.345	2761650	20.0
Anthracene, 1-m...	18.357	13.4	ng	1851730	4	17.345	2761650	20.0
4H-Cyclopenta[d...	18.421	50.9	ng	7026950	4	17.345	2761650	20.0
Phenanthrene, 1...	18.457	14.2	ng	1955020	4	17.345	2761650	20.0
Naphthalene, 2-...	18.721	17.2	ng	2374730	4	17.345	2761650	20.0
Phenanthrene, 2...	19.145	16.2	ng	2237240	4	17.345	2761650	20.0
9,10-Dimethylan...	19.280	10.5	ng	1443980	4	17.345	2761650	20.0
Benzo[e]pyrene	23.409	13.0	ng	2239010	6	23.962	3447740	20.0
Perylene	23.750	48.6	ng	8378190	6	23.962	3447740	20.0
Benzo[j]fluoran...	24.015	21.7	ng	3743080	6	23.962	3447740	20.0