LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041023\
Data File : BM039386.D
Acq On : 10 Apr 2023 20:30
Operator : CG/JU
Sample : 02222-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MID-H4(ELEV-24)

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-BM032923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM039386.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.011	134	140	152	rVB	814744	1193900	2.29%	0.202%
2	4.958	294	301	310	rBV	1947433	2739576	5.25%	0.464%
3	5.352	363	368	375	rVB	1232065	1724091	3.30%	0.292%
4	5.428	375	381	387	rVV	4434476	6550351	12.54%	1.111%
5	5.487	387	391	407	rVB	1060873	2307375	4.42%	0.391%
6	5.858	446	454	465	rBV3	1187807	2324141	4.45%	0.394%
7	7.046	651	656	673	rVB	4117073	7093079	13.58%	1.203%
8	7.511	731	735	747	rVB3	791415	1549595	2.97%	0.263%
9	7.869	785	796	805	rBV	1018483	1775773	3.40%	0.301%
10	8.405	881	887	899	rVB	1220006	2162018	4.14%	0.367%
11	9.040	988	995	1001	rVV	2435575	4223382	8.09%	0.716%
12	10.681	1261	1274	1277	rBV	1269589	2399958	4.60%	0.407%
13	10.734	1277	1283	1296	rVB	7229664	12740525	24.40%	2.160%
14	12.346	1546	1557	1569	rBV	3374809	5671771	10.86%	0.962%
15	12.563	1585	1594	1604	rVB	2598621	4209726	8.06%	0.714%
16	13.145	1687	1693	1703	rVB	5407914	8113900	15.54%	1.376%
17	13.357	1722	1729	1739	rBV	867909	1449012	2.77%	0.246%
18	13.551	1757	1762	1775	rVB	698205	1332526	2.55%	0.226%
19	13.845	1805	1812	1816	rBV	1429315	2576209	4.93%	0.437%
20	13.892	1816	1820	1828	rVB	842762	1272724	2.44%	0.216%
21	14.075	1845	1851	1855	rBV2	742607	1193154	2.28%	0.202%
22	14.240	1870	1879	1889	rVB4	864688	1819684	3.48%	0.308%
23	14.522	1916	1927	1932	rVV2	1632147	3233086	6.19%	0.548%
24	14.587	1932	1938	1946	rVV	6149681	9576110	18.34%	1.623%
25	14.728	1956	1962	1972	rBV2	343030	962336	1.84%	0.163%
26	14.834	1972	1980	1984	rBV2	779915	1355855	2.60%	0.230%
27	14.922	1989	1995	2002	rVV	3675792	5686923	10.89%	0.964%
28	15.139	2022	2032	2037	rBV2	457169	1096199	2.10%	0.186%
29	15.575	2099	2106	2116	rBV	6376228	9794380	18.76%	1.660%
30	15.692	2123	2126	2129	rVV	914956	1380141	2.64%	0.234%
31	15.734	2129	2133	2137	rVV2	1311704	2014206	3.86%	0.341%
32	15.822	2144	2148	2151	rVV2	606545	1013445	1.94%	0.172%
33	15.863	2151	2155	2164	rVB2	1246111	2879556	5.51%	0.488%
34	16.016	2175	2181	2188	rBV	4310379	6819053	13.06%	1.156%
35	16.575	2265	2276	2281	rBV3	1354505	3335831	6.39%	0.566%
36	16.622	2281	2284	2290	rVB2	699561	1093614	2.09%	0.185%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041023\
Data File : BM039386.D
Acq On : 10 Apr 2023 20:30
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Sample : 02222-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MID-H4(ELEV-24)

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-BM032923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.728	2298	2302	2306	rVB	719750	1027541	1.97%	0.174%
38	16.810	2306	2316	2319	rBV4	1067519	2222380	4.26%	0.377%
39	16.928	2332	2336	2343	rVB4	646389	1071457	2.05%	0.182%
40	17.022	2344	2352	2359	rVV2	1117384	2611745	5.00%	0.443%
41	17.092	2359	2364	2371	rVV	2316971	3720685	7.13%	0.631%
42	17.275	2390	2395	2398	rBV	1339375	2302512	4.41%	0.390%
43	17.333	2398	2405	2410	rVV	26468020	50246167	96.22%	8.518%
44	17.416	2413	2419	2424	rVV	9102211	14044448	26.90%	2.381%
45	17.475	2424	2429	2434	rVV3	1001030	2304945	4.41%	0.391%
46	17.569	2438	2445	2452	rVB5	565237	1325514	2.54%	0.225%
47	17.686	2457	2465	2476	rVV2	2898311	5760782	11.03%	0.977%
48	17.792	2480	2483	2489	rVV2	978768	1467189	2.81%	0.249%
49	17.851	2490	2493	2503	rVB4	574161	1182492	2.26%	0.200%
50	18.151	2539	2544	2549	rBV	4710712	8528858	16.33%	1.446%
51	18.204	2549	2553	2560	rVB	6188392	9054623	17.34%	1.535%
52	18.280	2561	2566	2572	rBV	2856794	4204304	8.05%	0.713%
53	18.351	2572	2578	2582	rVV3	7035905	13148514	25.18%	2.229%
54	18.386	2582	2584	2590	rVB	3221132	3707798	7.10%	0.629%
55	18.651	2625	2629	2634	rVV	3311601	4721715	9.04%	0.800%
56	18.698	2634	2637	2644	rVV	1357299	1957837	3.75%	0.332%
57	18.898	2667	2671	2675	rBV	977288	1356834	2.60%	0.230%
58	18.945	2675	2679	2683	rVV2	921603	1616035	3.09%	0.274%
59	18.986	2683	2686	2690	rVB	807763	1077909	2.06%	0.183%
60	19.075	2695	2701	2706	rBV	1878731	3658034	7.01%	0.620%
61	19.139	2708	2712	2715	rVB3	756757	983462	1.88%	0.167%
62	19.216	2720	2725	2733	rVB5	969792	2350026	4.50%	0.398%
63	19.351	2739	2748	2753	rBV	25755681	45179085	86.52%	7.659%
64	19.445	2759	2764	2768	rBV2	1181395	2116498	4.05%	0.359%
65	19.533	2775	2779	2783	rBV6	683863	1208105	2.31%	0.205%
66	19.580	2783	2787	2791	rVB	1237002	1677712	3.21%	0.284%
67	19.716	2798	2810	2816	rBV3	24199294	52219366	100.00%	8.853%
68	19.769	2816	2819	2826	rVB2	1775923	2699983	5.17%	0.458%
69	19.904	2833	2842	2846	rBV2	6545462	10563622	20.23%	1.791%
70	19.945	2846	2849	2856	rVB	1357208	1898494	3.64%	0.322%
71	20.022	2857	2862	2869	rBV3	2073925	5114680	9.79%	0.867%
72	20.157	2880	2885	2887	rVV3	1549447	2523322	4.83%	0.428%
73	20.198	2888	2892	2897	rVB	5378255	7539936	14.44%	1.278%
74	20.298	2904	2909	2913	rBV	4724208	6443426	12.34%	1.092%
75	20.357	2913	2919	2922	rVV2	2916721	5111561	9.79%	0.867%
76	20.392	2922	2925	2929	rVV	974799	1184692	2.27%	0.201%

LSC Area Percent Report

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Operator : CG/JU
Sample : 02222-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MID-H4(ELEV-24)

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
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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.492	2938	2942	2946	rBV2	1813012	2498825	4.79%	0.424%
78	20.539	2946	2950	2954	rVB2	2159265	2562305	4.91%	0.434%
79	20.904	3008	3012	3016	rBV2	834644	1518173	2.91%	0.257%
80	20.951	3016	3020	3025	rVB2	1106831	1912117	3.66%	0.324%
81	21.110	3043	3047	3050	rBV	1738177	2285413	4.38%	0.387%
82	21.151	3050	3054	3057	rVV	2768329	4026611	7.71%	0.683%
83	21.192	3058	3061	3065	rVB2	1930314	2999942	5.74%	0.509%
84	21.457	3098	3106	3110	rBV2	14637738	25654239	49.13%	4.349%
85	21.510	3111	3115	3124	rVB	13678375	19852183	38.02%	3.366%
86	21.627	3131	3135	3142	rVB	2920740	4022370	7.70%	0.682%
87	21.792	3159	3163	3168	rVB3	1448720	2373980	4.55%	0.402%
88	22.039	3201	3205	3211	rVV	2537251	4648584	8.90%	0.788%
89	22.098	3212	3215	3220	rVB	1379145	1867484	3.58%	0.317%
90	22.251	3237	3241	3244	rBV	1276638	1906792	3.65%	0.323%
91	22.286	3244	3247	3253	rVB3	1529004	2314545	4.43%	0.392%
92	22.351	3254	3258	3268	rVB2	1186714	2283497	4.37%	0.387%
93	23.145	3384	3393	3397	rBV	8578117	22388007	42.87%	3.796%
94	23.315	3418	3422	3433	rVB	1990206	3497058	6.70%	0.593%
95	23.657	3473	3480	3489	rVB	5733688	12634896	24.20%	2.142%
96	23.762	3490	3498	3506	rBV	8984959	18604649	35.63%	3.154%
97	23.862	3511	3515	3519	rVV2	1325875	2732905	5.23%	0.463%
98	23.915	3519	3524	3532	rVB2	2639282	5637288	10.80%	0.956%
99	26.351	3928	3938	3949	rVB	4060590	12719948	24.36%	2.156%
100	27.121	4059	4069	4087	rVB	3121946	11114920	21.29%	1.884%

Sum of corrected areas: 589854224

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041023\
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Instrument :
BNA_M
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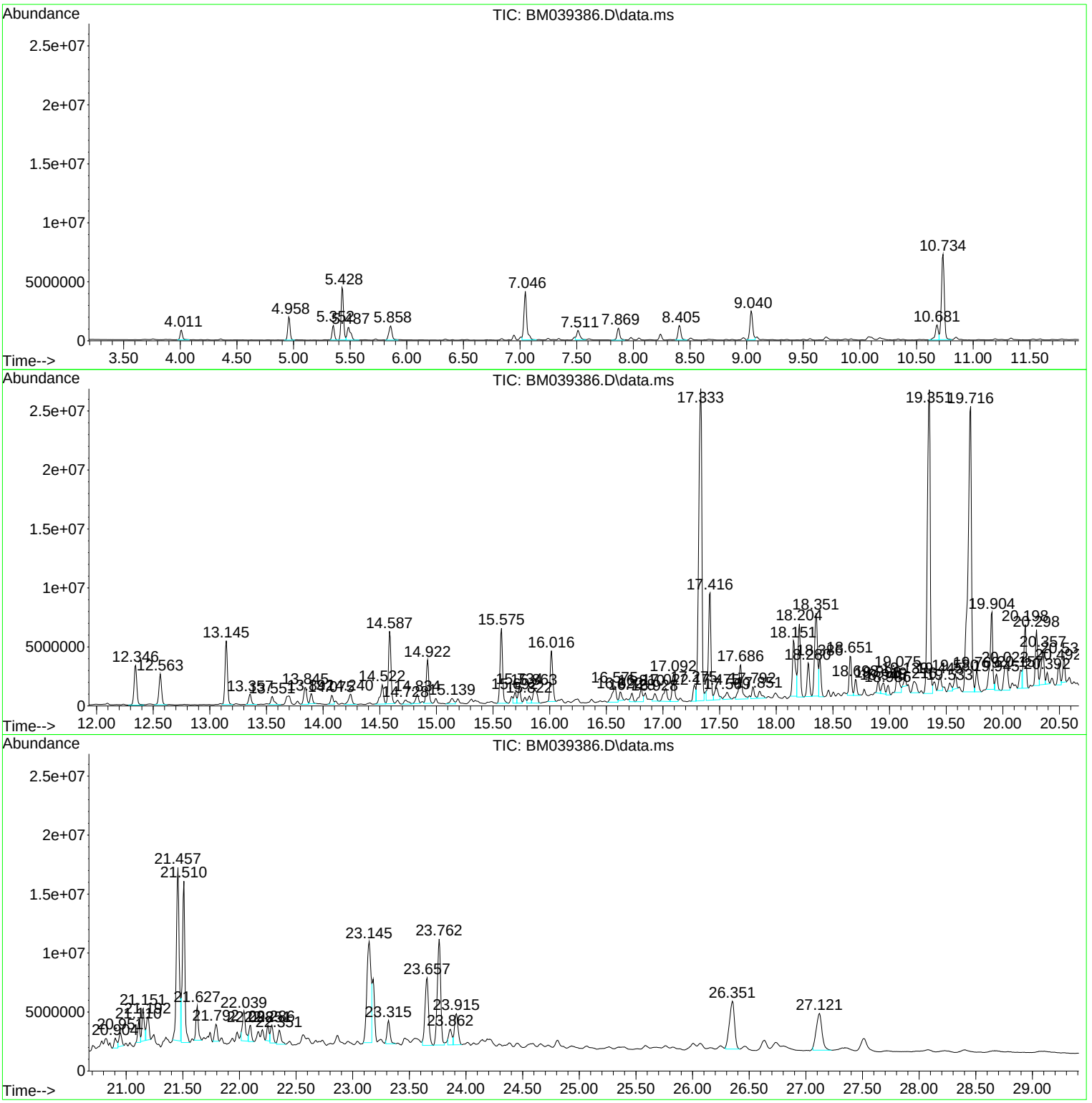
MID-H4(ELEV-24)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.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\BM041023\
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Instrument :
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ClientSampleId :
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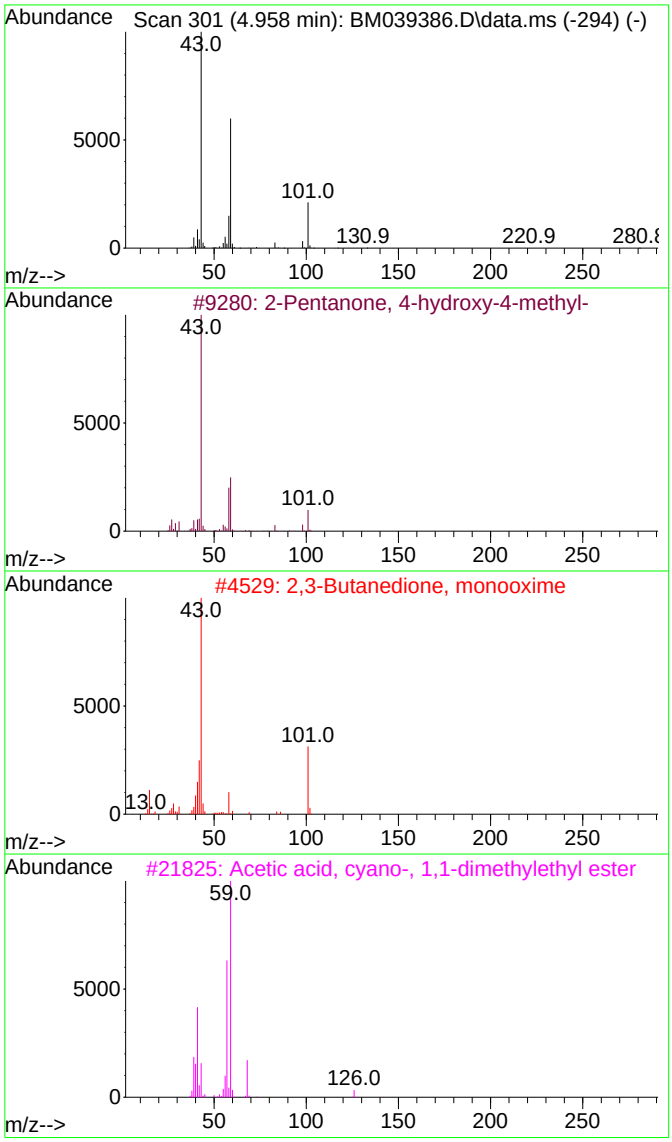
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

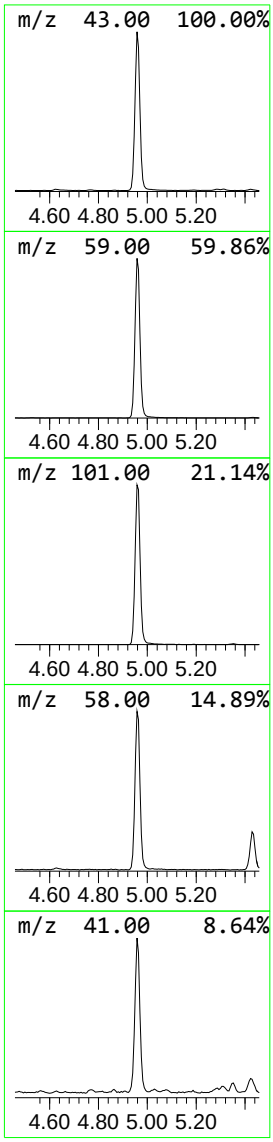
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.958	30.86 ng	2739580	1,4-Dichlorobenzene-d4	7.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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ALS Vial : 17 Sample Multiplier: 1

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BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

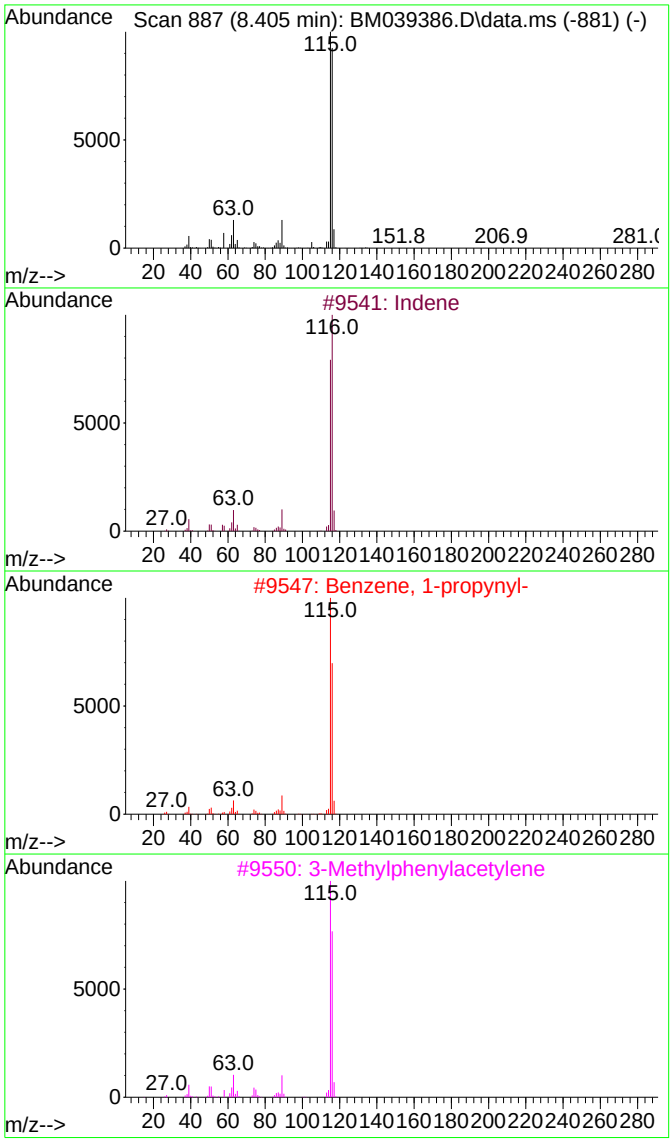
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

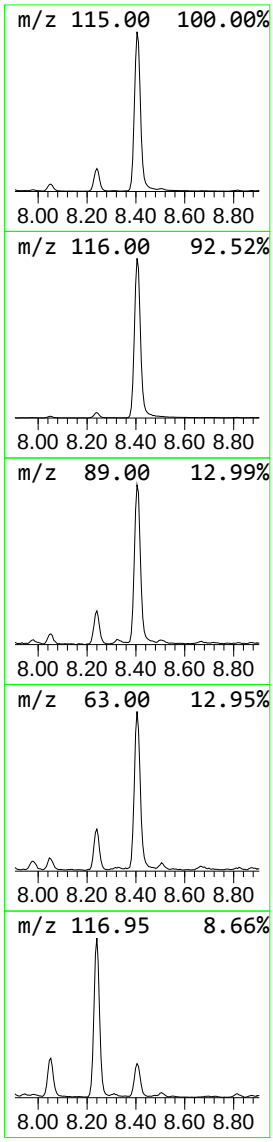
****

Peak Number 5 Indene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.405	24.35 ng	2162020	1,4-Dichlorobenzene-d4	7.869

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	91





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

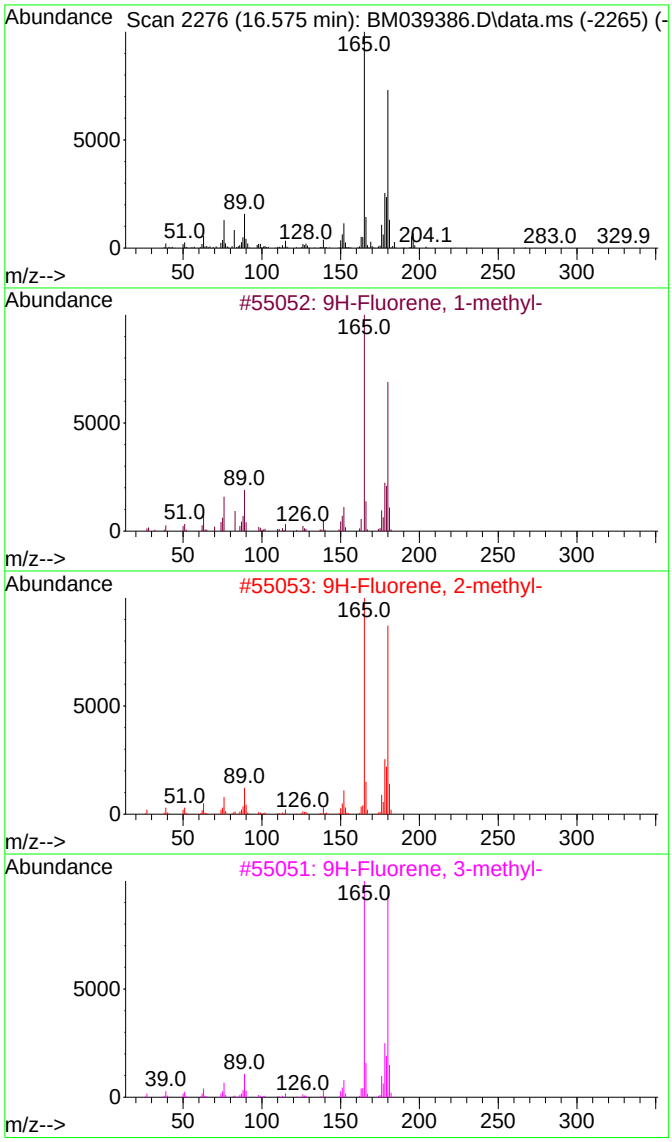
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

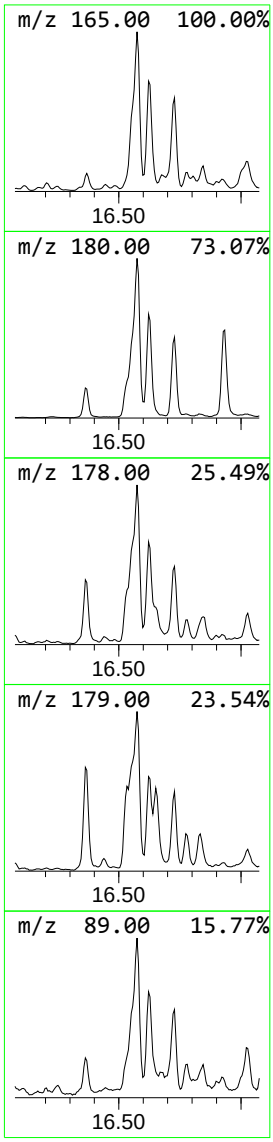
****

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.575	28.98 ng	3335830	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





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Data File : BM039386.D
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Sample : 02222-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MID-H4(ELEV-24)

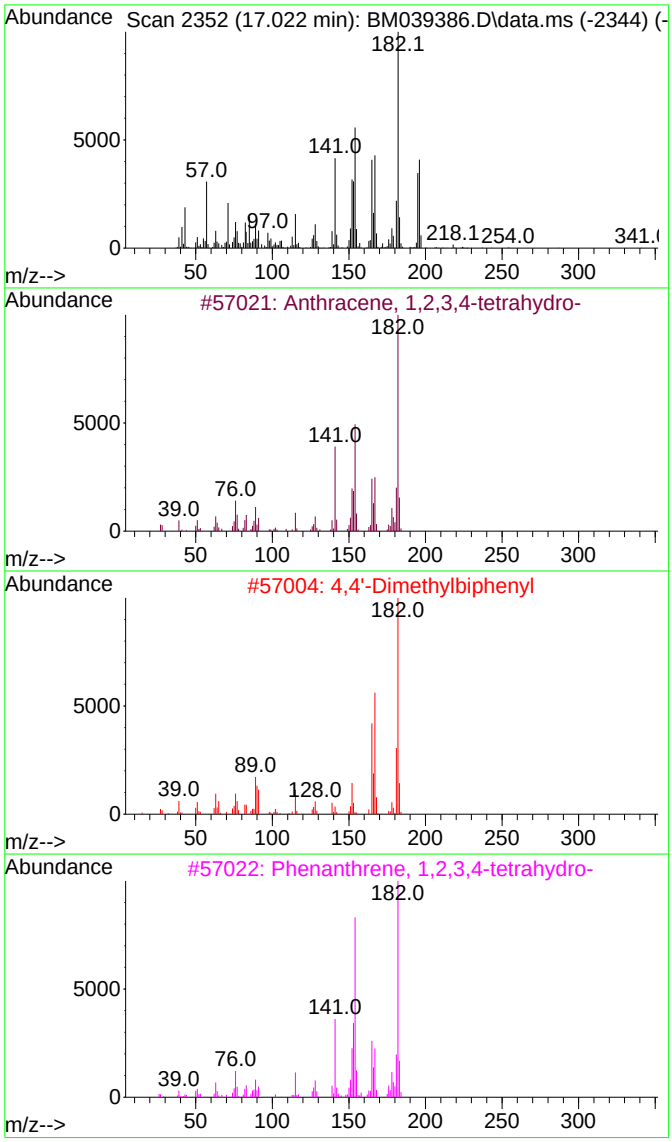
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

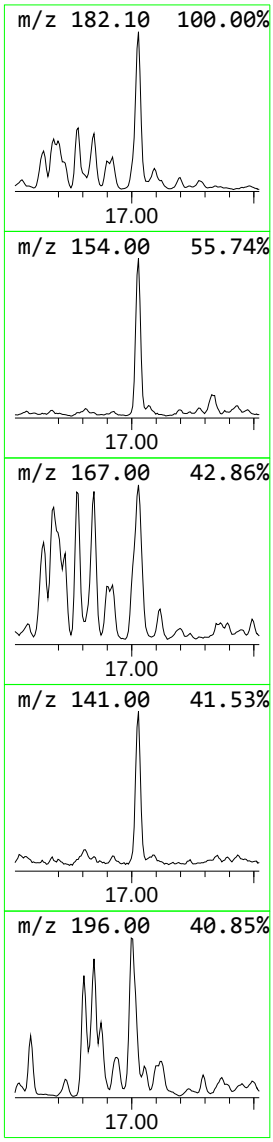
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.022	22.69 ng	2611750	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	96
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	55
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	55
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	52
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46





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Data File : BM039386.D
Acq On : 10 Apr 2023 20:30
Operator : CG/JU
Sample : 02222-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MID-H4(ELEV-24)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

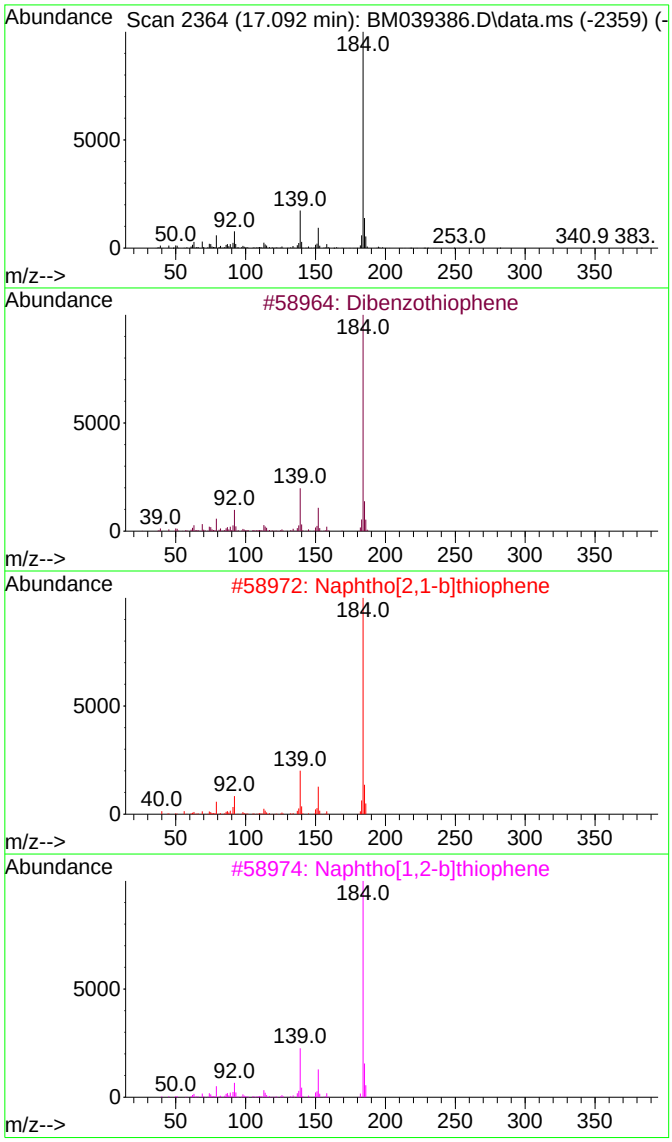
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

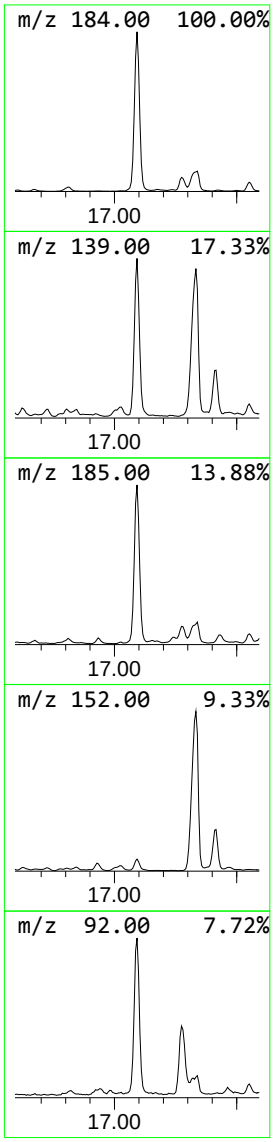
****

Peak Number 8 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.092	32.32 ng	3720690	Phenanthrene-d10	17.275

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[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Acq On : 10 Apr 2023 20:30
Operator : CG/JU
Sample : 02222-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MID-H4(ELEV-24)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.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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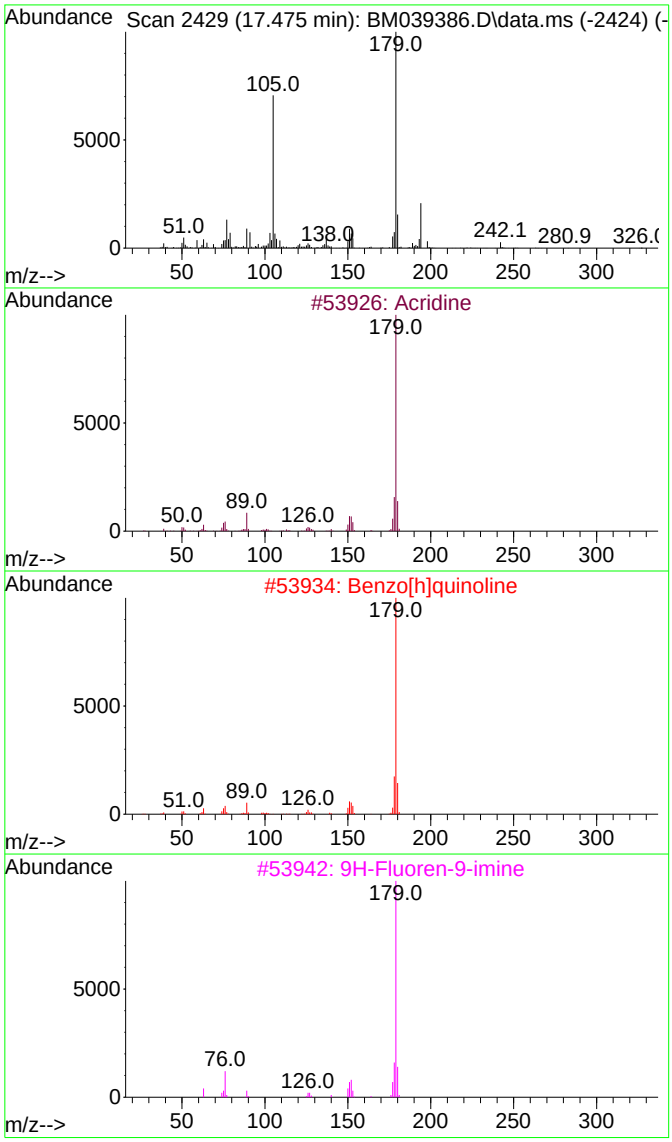
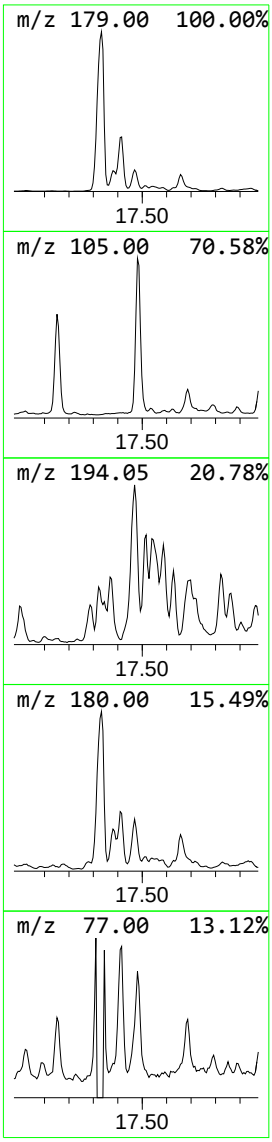
Peak Number 9 Acridine Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.475	20.02 ng	2304950	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	89
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	76
3	9H-Fluoren-9-imine	179	C13H9N	004440-33-9	76
4	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	72
5	Phenanthridine	179	C13H9N	000229-87-8	68





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Sample : 02222-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MID-H4(ELEV-24)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.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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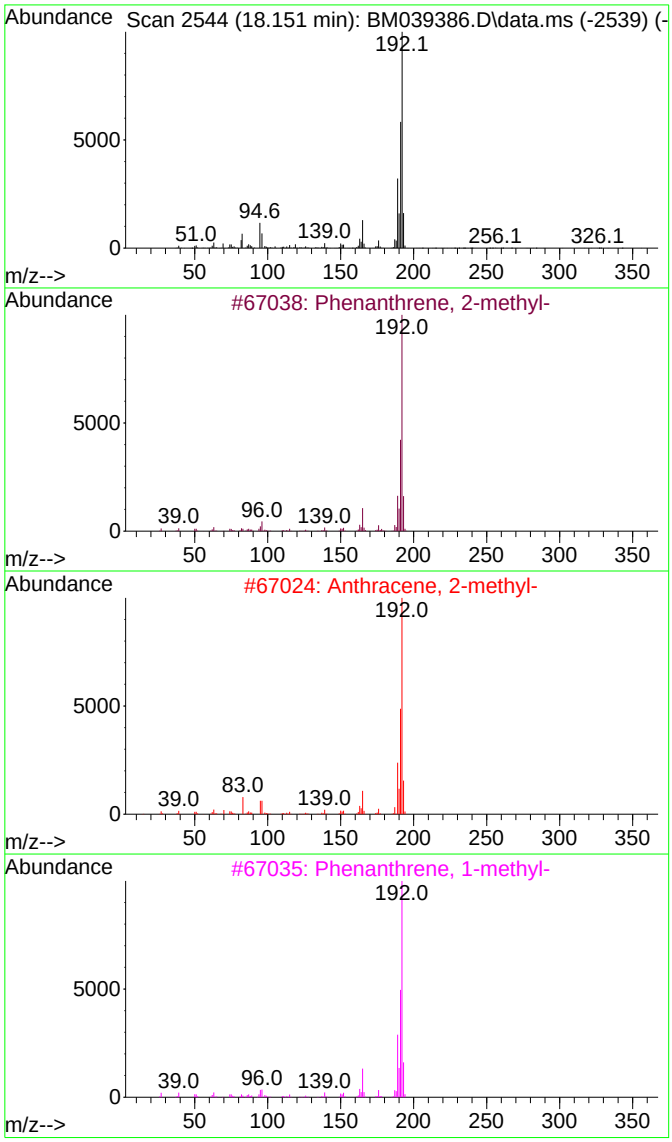
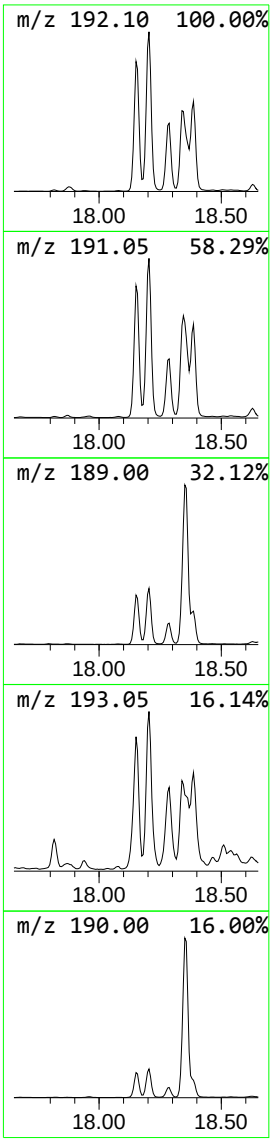
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.151	74.08 ng	8528860	Phenanthrene-d10	17.275

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Operator : CG/JU
Sample : 02222-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MID-H4(ELEV-24)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.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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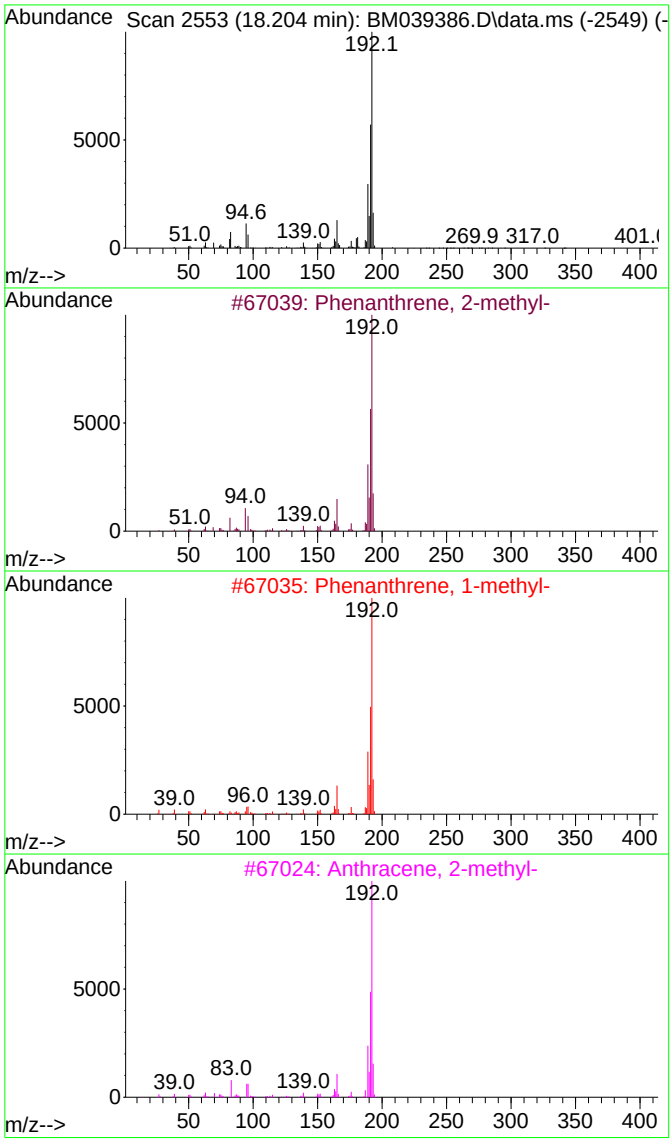
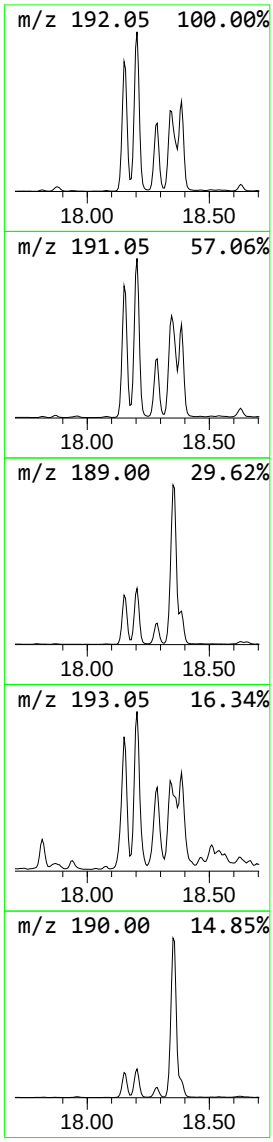
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.204	78.65 ng	9054620	Phenanthrene-d10	17.275

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Operator : CG/JU
Sample : 02222-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MID-H4(ELEV-24)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.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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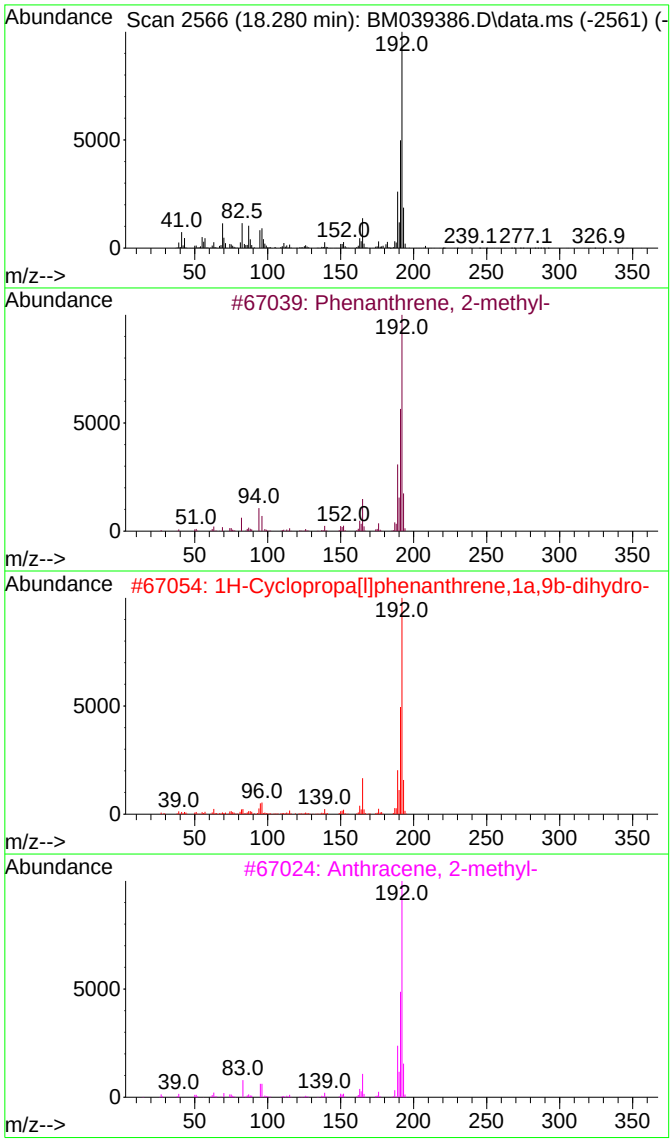
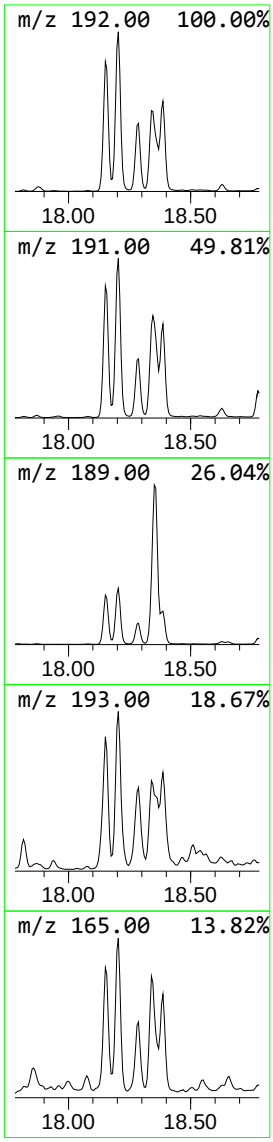
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.280	36.52 ng	4204300	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MID-H4(ELEV-24)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.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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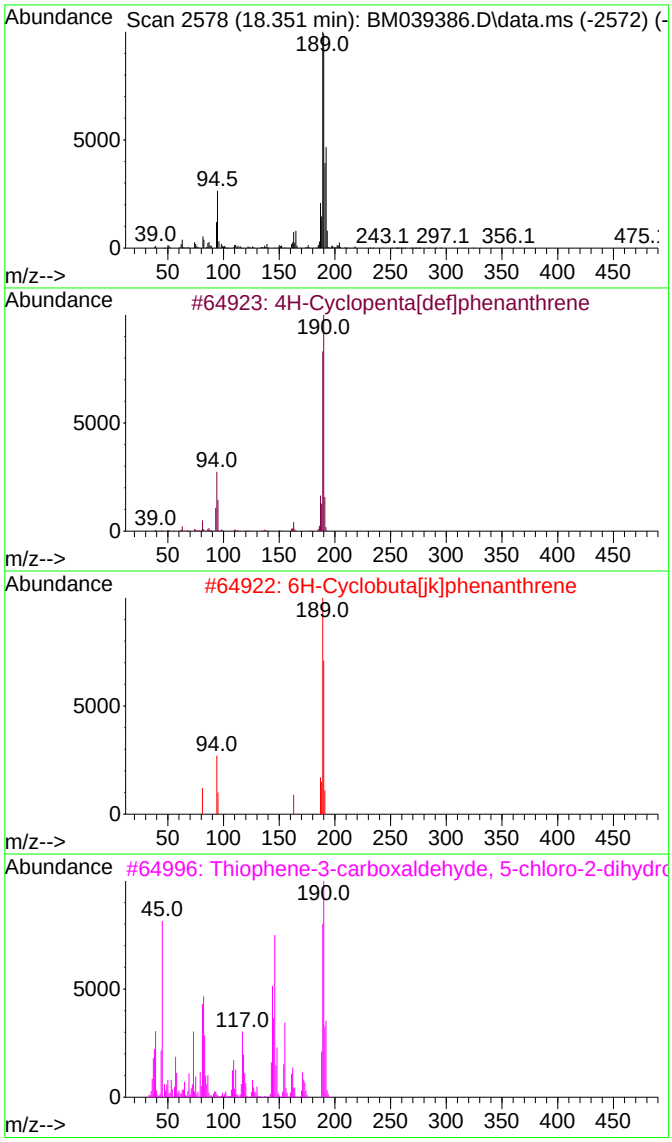
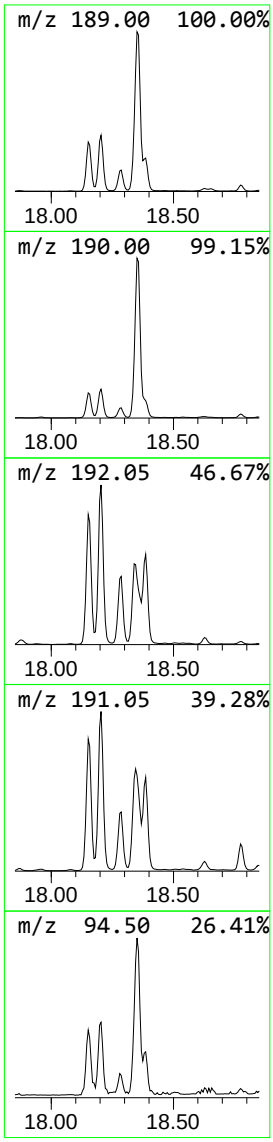
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.351	114.21 ng	13148500	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	23





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Sample : 02222-02
Misc :
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Instrument :
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ClientSampleId :
MID-H4(ELEV-24)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.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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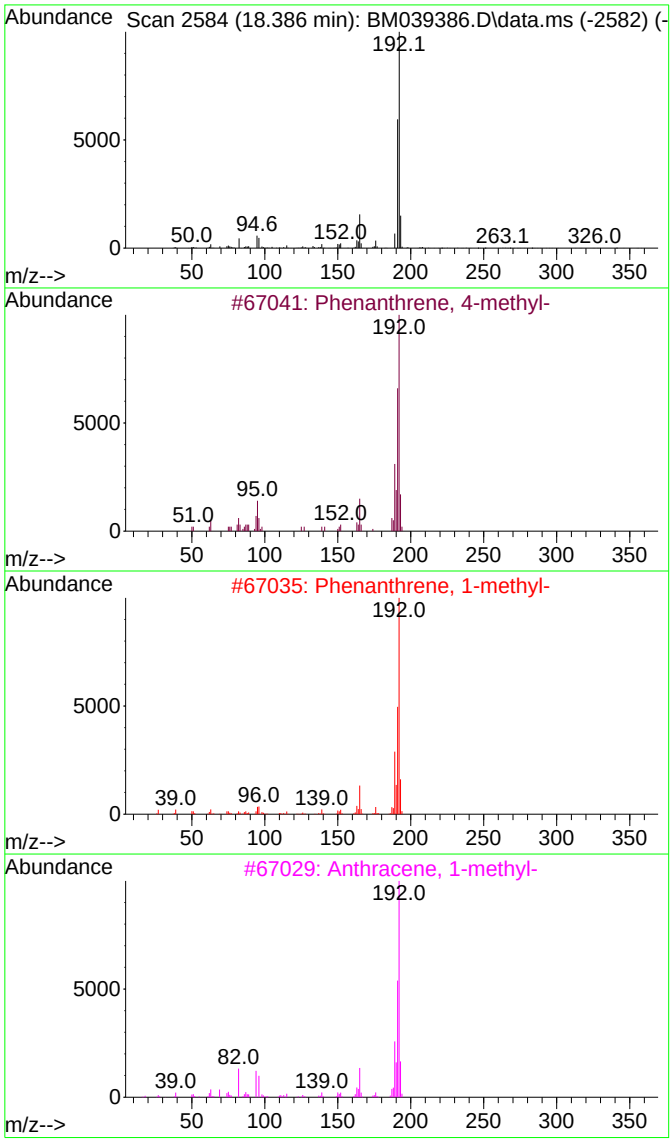
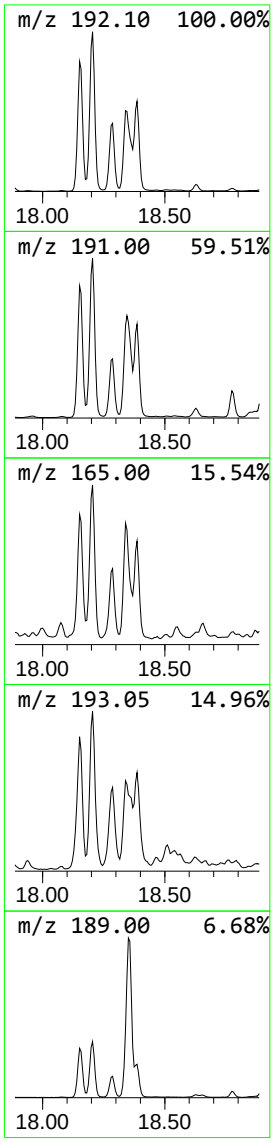
Peak Number 14 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.386	32.21 ng	3707800	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Operator : CG/JU
Sample : 02222-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MID-H4(ELEV-24)

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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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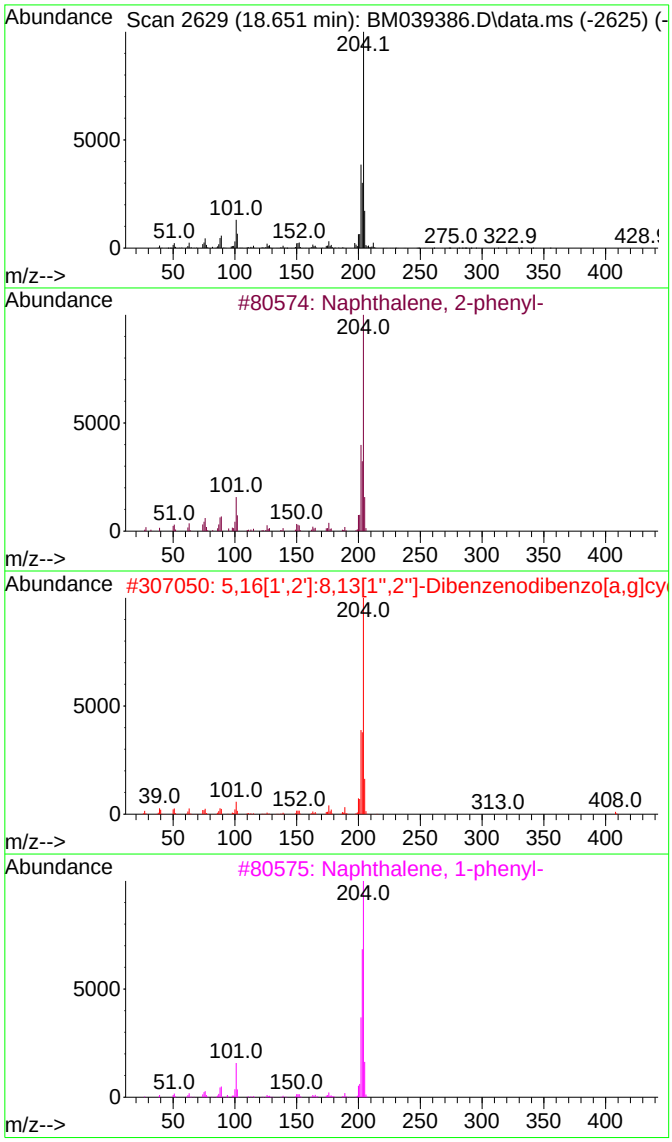
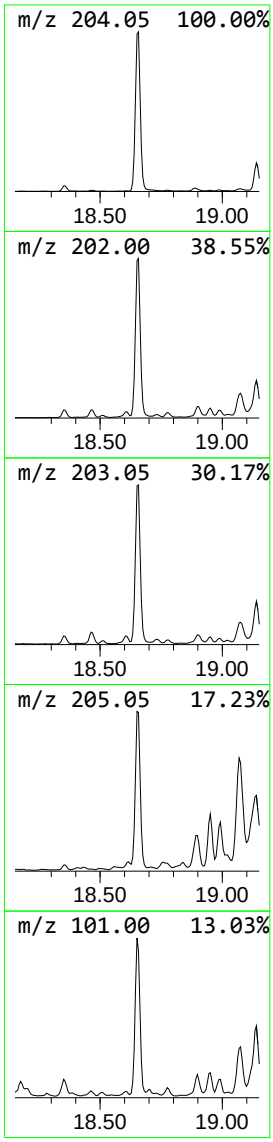
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.651	41.01 ng	4721720	Phenanthrene-d10	17.275

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	90
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MID-H4(ELEV-24)

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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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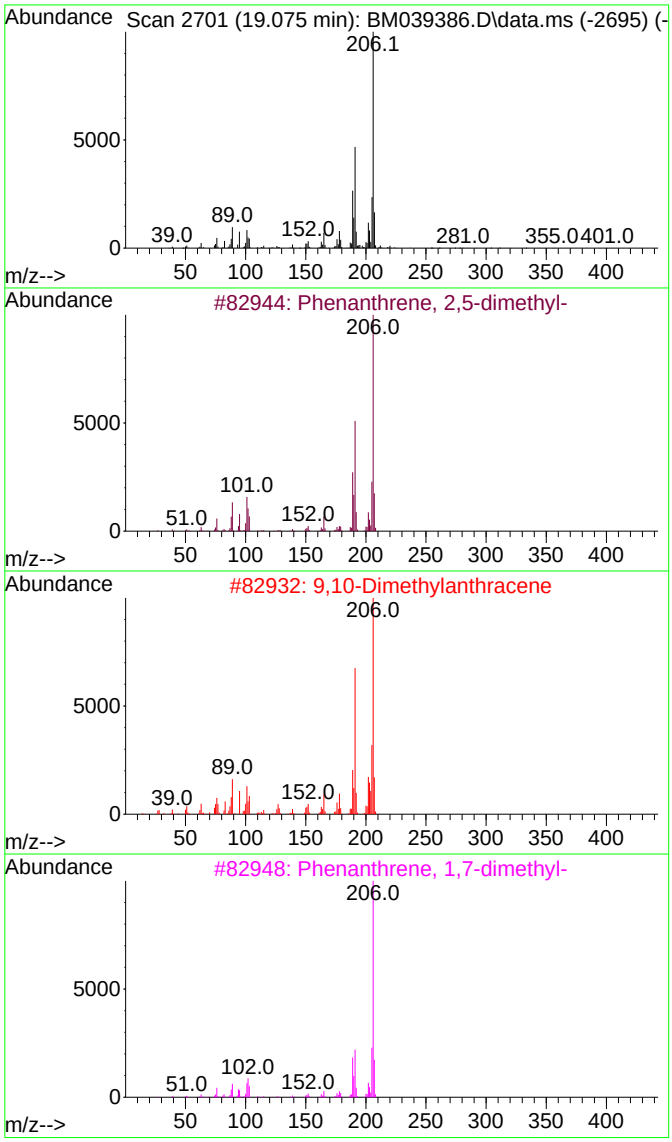
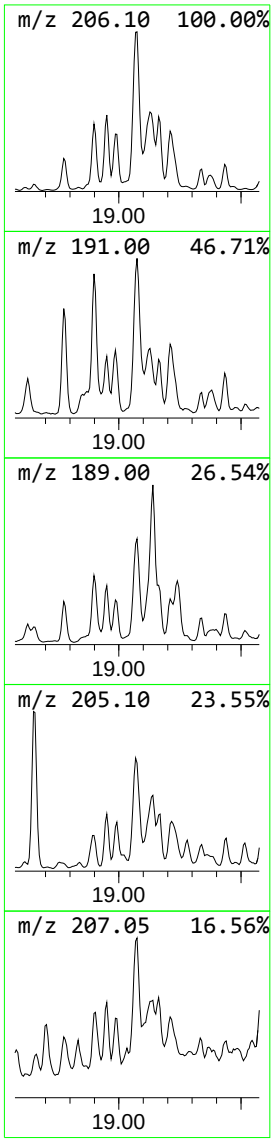
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.075	31.77 ng	3658030	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91





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ClientSampleId :
MID-H4(ELEV-24)

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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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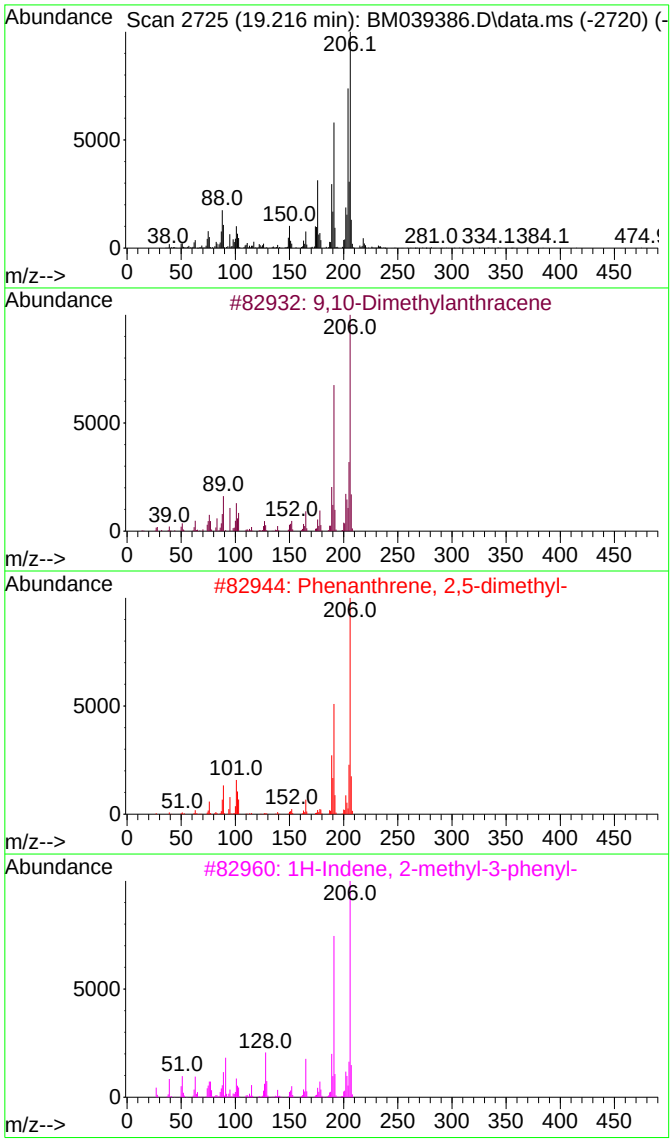
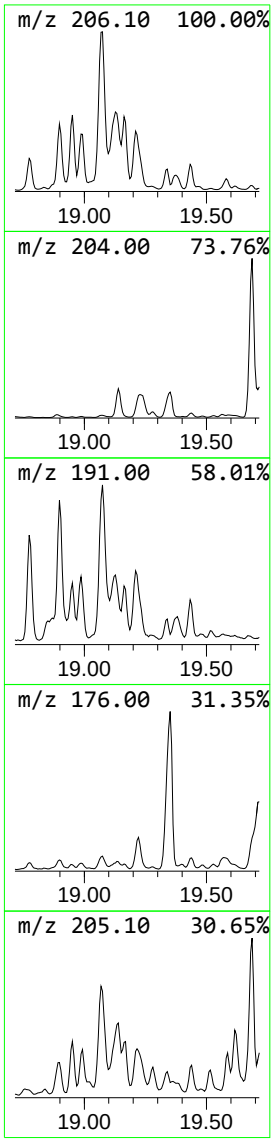
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.216	20.41 ng	2350030	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	78
4	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	74
5	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	64





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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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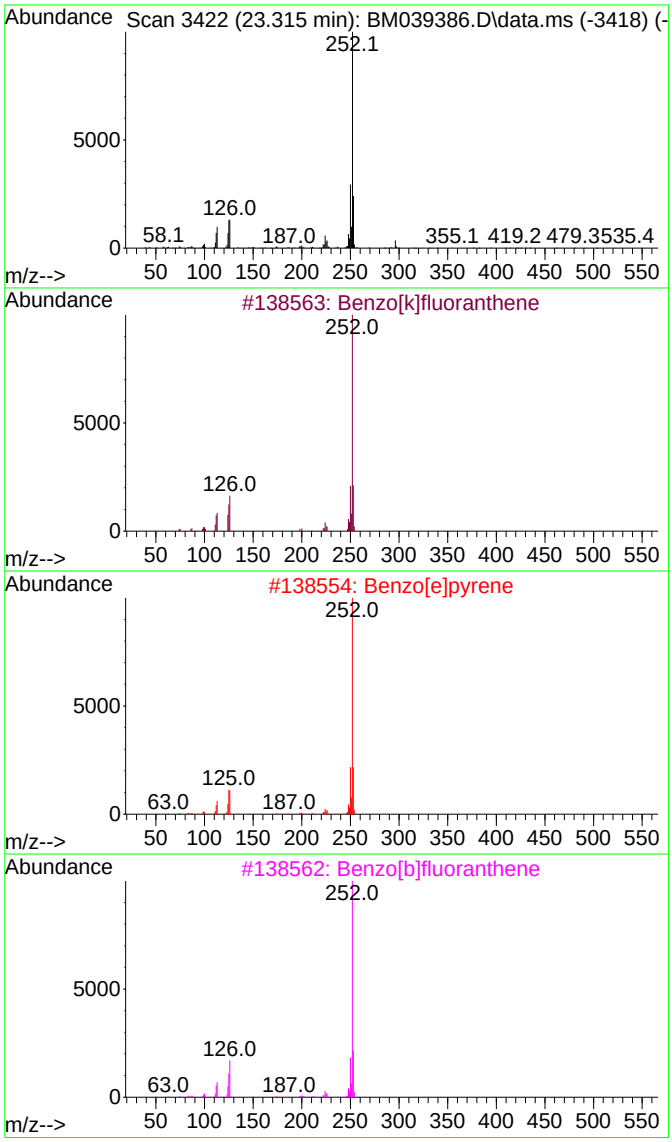
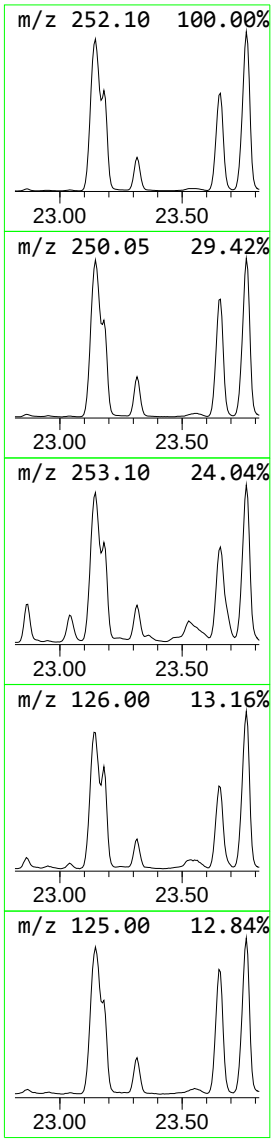
Peak Number 18 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.315	25.59 ng	3497060	Perylene-d12	23.862

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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MID-H4(ELEV-24)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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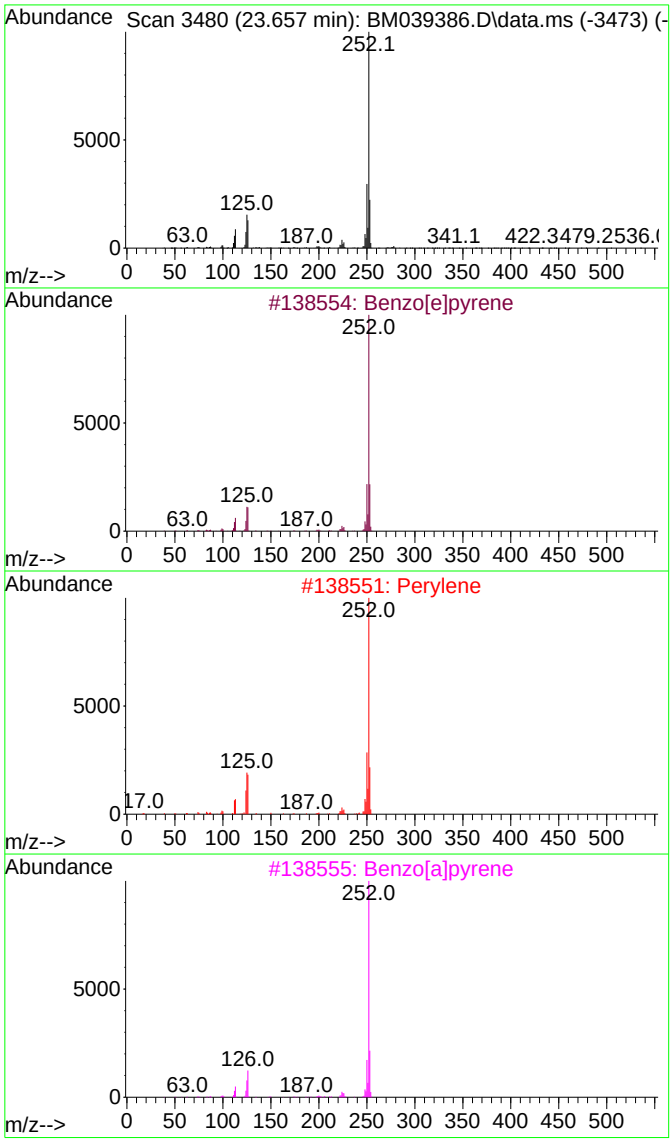
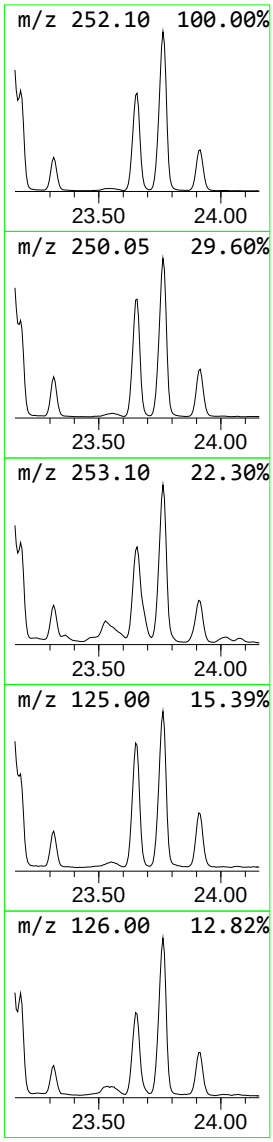
Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.657	92.46 ng	12634900	Perylene-d12	23.862

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	98
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	97
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





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Data File : BM039386.D
Acq On : 10 Apr 2023 20:30
Operator : CG/JU
Sample : 02222-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MID-H4(ELEV-24)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

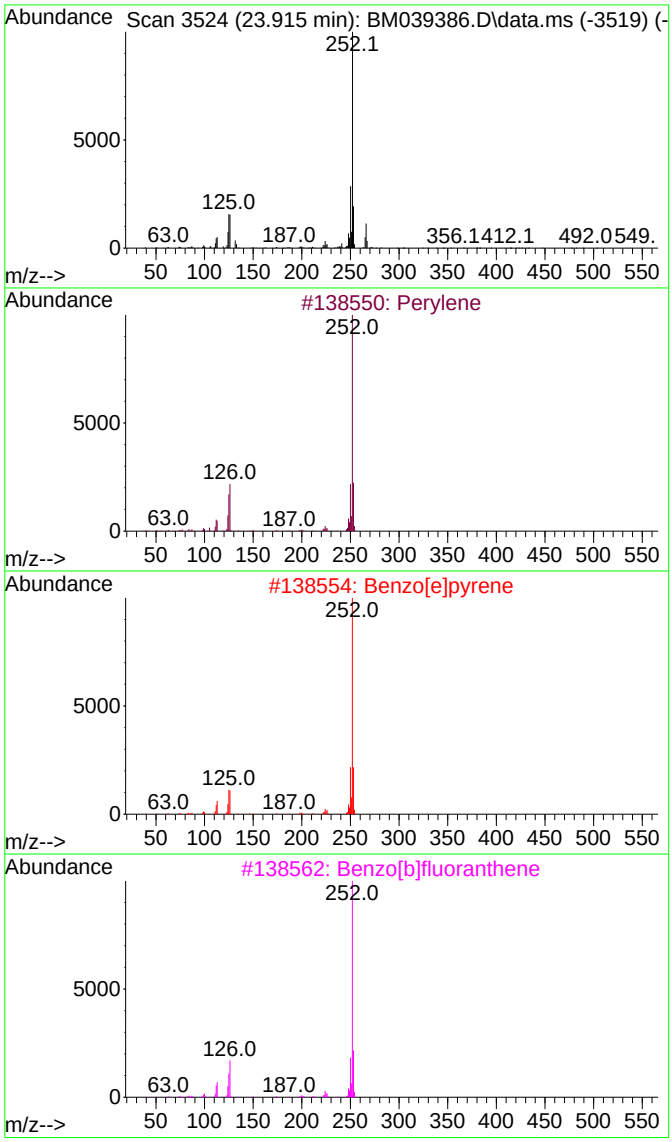
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

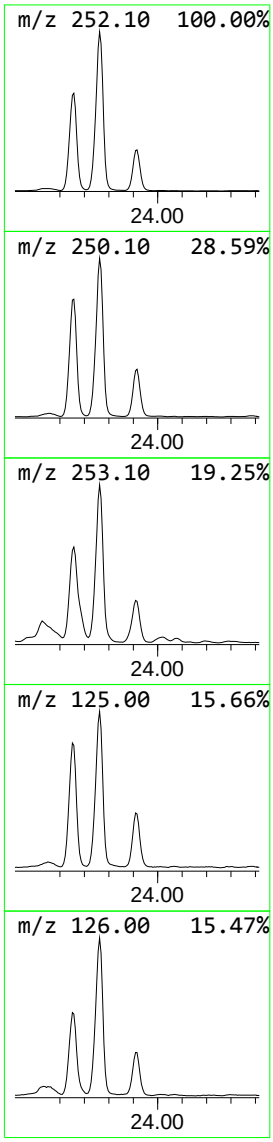
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.915	41.25 ng	5637290	Perylene-d12	23.862

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	97
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041023\
Data File : BM039386.D
Acq On : 10 Apr 2023 20:30
Operator : CG/JU
Sample : 02222-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MID-H4(ELEV-24)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.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-...	4.958	30.9	ng	2739580	1	7.869	1775770	20.0
Indene	8.405	24.4	ng	2162020	1	7.869	1775770	20.0
9H-Fluorene, 1-...	16.575	29.0	ng	3335830	4	17.275	2302510	20.0
Anthracene, 1,2...	17.022	22.7	ng	2611750	4	17.275	2302510	20.0
Dibenzothiophene	17.092	32.3	ng	3720690	4	17.275	2302510	20.0
Acridine	17.475	20.0	ng	2304950	4	17.275	2302510	20.0
Phenanthrene, 2...	18.151	74.1	ng	8528860	4	17.275	2302510	20.0
Phenanthrene, 1...	18.204	78.7	ng	9054620	4	17.275	2302510	20.0
1H-Cyclopropa[l...	18.280	36.5	ng	4204300	4	17.275	2302510	20.0
4H-Cyclopenta[d...	18.351	114.2	ng	13148500	4	17.275	2302510	20.0
Phenanthrene, 4...	18.386	32.2	ng	3707800	4	17.275	2302510	20.0
Naphthalene, 2-...	18.651	41.0	ng	4721720	4	17.275	2302510	20.0
Phenanthrene, 2...	19.075	31.8	ng	3658030	4	17.275	2302510	20.0
9,10-Dimethylan...	19.216	20.4	ng	2350030	4	17.275	2302510	20.0
Benzo[e]pyrene	23.315	25.6	ng	3497060	6	23.862	2732910	20.0
Perylene	23.657	92.5	ng	12634900	6	23.862	2732910	20.0
Benzo[j]fluoran...	23.915	41.3	ng	5637290	6	23.862	2732910	20.0