LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

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-BM082624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM047417.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.010	354	361	381	rBV	1252685	2056010	11.83%	1.231%
2	6.569	620	626	640	rBV	1063036	1879831	10.81%	1.126%
3	7.345	747	758	765	rBV	913733	1497336	8.61%	0.897%
4	8.492	947	953	960	rVV	689911	1227067	7.06%	0.735%
5	8.557	960	964	972	rVB	116260	185716	1.07%	0.111%
6	9.016	1036	1042	1051	rVB3	97008	181763	1.05%	0.109%
7	10.098	1216	1226	1231	rBV	1191969	2070977	11.91%	1.240%
8	10.145	1231	1234	1242	rVB	161289	287043	1.65%	0.172%
9	11.133	1396	1402	1411	rBV3	200843	461325	2.65%	0.276%
10	11.545	1463	1472	1481	rBV	195992	421318	2.42%	0.252%
11	11.775	1506	1511	1518	rVB	225732	382002	2.20%	0.229%
12	11.998	1543	1549	1553	rBV	216105	365429	2.10%	0.219%
13	12.533	1635	1640	1644	rBV	148593	204057	1.17%	0.122%
14	12.610	1647	1653	1661	rVB	1794268	2658062	15.29%	1.592%
15	12.827	1686	1690	1697	rVB2	199145	302741	1.74%	0.181%
16	13.157	1741	1746	1748	rBV	148859	234324	1.35%	0.140%
17	13.321	1768	1774	1778	rBV	262672	457885	2.63%	0.274%
18	13.374	1778	1783	1786	rVV	181666	265660	1.53%	0.159%
19	13.504	1801	1805	1809	rVB	126161	174639	1.00%	0.105%
20	13.721	1837	1842	1851	rBV	569463	922010	5.30%	0.552%
21	13.927	1873	1877	1881	rBV	142321	185568	1.07%	0.111%
22	14.004	1884	1890	1896	rVV	1625627	2404883	13.83%	1.440%
23	14.069	1896	1901	1911	rVB	946282	1453009	8.36%	0.870%
24	14.233	1923	1929	1937	rVB6	101699	281235	1.62%	0.168%
25	14.416	1954	1960	1969	rVV2	628485	1039493	5.98%	0.622%
26	14.498	1970	1974	1979	rVB	151534	212993	1.23%	0.128%
27	14.633	1992	1997	2003	rBV3	157766	343012	1.97%	0.205%
28	14.892	2037	2041	2049	rVB	203959	279494	1.61%	0.167%
29	15.068	2065	2071	2077	rBV	1321238	1942748	11.17%	1.163%
30	15.227	2095	2098	2103	rVB3	151537	194737	1.12%	0.117%
31	15.368	2117	2122	2125	rBV	274700	415355	2.39%	0.249%
32	15.521	2142	2148	2156	rVB	1554497	2371279	13.64%	1.420%
33	15.763	2184	2189	2192	rBV3	288093	479072	2.76%	0.287%
34	15.892	2203	2211	2214	rBV4	68415	173965	1.00%	0.104%
35	16.080	2237	2243	2248	rBV2	256839	471505	2.71%	0.282%
36	16.133	2248	2252	2255	rVB2	158323	200151	1.15%	0.120%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

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-BM082624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.227	2264	2268	2274	rVB	164882	277323	1.60%	0.166%
38	16.351	2286	2289	2293	rVB3	165220	228079	1.31%	0.137%
39	16.439	2300	2304	2310	rVB2	173008	282552	1.63%	0.169%
40	16.510	2312	2316	2322	rVV2	183240	370090	2.13%	0.222%
41	16.592	2326	2330	2340	rVB	546554	1043382	6.00%	0.625%
42	16.774	2356	2361	2364	rBV	1785393	2491804	14.33%	1.492%
43	16.815	2364	2368	2375	rVV	7463179	10798562	62.11%	6.466%
44	16.909	2378	2384	2390	rVB	2537055	3683249	21.18%	2.205%
45	16.980	2391	2396	2401	rVV2	237931	417181	2.40%	0.250%
46	17.192	2426	2432	2446	rBV	690873	1421908	8.18%	0.851%
47	17.298	2447	2450	2456	rVV3	307873	438500	2.52%	0.263%
48	17.357	2457	2460	2470	rVB4	191700	457065	2.63%	0.274%
49	17.498	2481	2484	2490	rVB	158751	263721	1.52%	0.158%
50	17.651	2505	2510	2515	rBV	989786	1496457	8.61%	0.896%
51	17.704	2515	2519	2527	rVV	1820002	2555530	14.70%	1.530%
52	17.786	2528	2533	2537	rVV	629182	984678	5.66%	0.590%
53	17.845	2538	2543	2547	rVV2	2143114	3438433	19.78%	2.059%
54	17.880	2547	2549	2558	rVB	673163	940825	5.41%	0.563%
55	18.051	2575	2578	2583	rBV3	219153	308294	1.77%	0.185%
56	18.162	2593	2597	2601	rBV	659260	836331	4.81%	0.501%
57	18.215	2603	2606	2610	rVB	359433	462792	2.66%	0.277%
58	18.415	2637	2640	2645	rVB	190305	255159	1.47%	0.153%
59	18.468	2645	2649	2652	rVV	336597	451195	2.60%	0.270%
60	18.504	2653	2655	2659	rVB2	246387	286536	1.65%	0.172%
61	18.586	2665	2669	2674	rBV	623284	1022598	5.88%	0.612%
62	18.651	2676	2680	2684	rVB2	381338	610516	3.51%	0.366%
63	18.739	2690	2695	2701	rBV3	435101	859371	4.94%	0.515%
64	18.856	2709	2715	2722	rBV	12144110	17040646	98.01%	10.203%
65	18.962	2730	2733	2737	rVB2	202118	224599	1.29%	0.134%
66	19.009	2737	2741	2746	rBV	680912	877760	5.05%	0.526%
67	19.098	2752	2756	2760	rBV2	427972	589759	3.39%	0.353%
68	19.227	2768	2778	2787	rBV	10491686	17386846	100.00%	10.410%
69	19.303	2787	2791	2797	rVB2	484958	824484	4.74%	0.494%
70	19.409	2805	2809	2811	rBV	600464	851073	4.89%	0.510%
71	19.439	2811	2814	2818	rVV	2865257	3308270	19.03%	1.981%
72	19.480	2818	2821	2826	rVB2	429191	650048	3.74%	0.389%
73	19.556	2829	2834	2841	rBV3	635152	1511125	8.69%	0.905%
74	19.698	2853	2858	2859	rBV3	614955	929777	5.35%	0.557%
75	19.733	2860	2864	2868	rVB	1856948	2470372	14.21%	1.479%
76	19.833	2877	2881	2885	rBV	1519753	1815439	10.44%	1.087%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

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-BM082624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.886	2885	2890	2894	rBV2	970738	1607985	9.25%	0.963%
78	20.027	2911	2914	2918	rVB	588824	709305	4.08%	0.425%
79	20.074	2918	2922	2927	rBV	638238	966989	5.56%	0.579%
80	20.492	2990	2993	2999	rVB	598141	786351	4.52%	0.471%
81	20.650	3017	3020	3023	rBV	843613	943727	5.43%	0.565%
82	20.686	3023	3026	3030	rVB	708332	754507	4.34%	0.452%
83	20.727	3030	3033	3034	rBV	592087	644984	3.71%	0.386%
84	20.792	3042	3044	3049	rVB	521061	620742	3.57%	0.372%
85	21.003	3076	3080	3086	rBV2	5402702	10745627	61.80%	6.434%
86	21.062	3086	3090	3100	rVB	4736068	6924152	39.82%	4.146%
87	21.186	3107	3111	3115	rBV	1043820	1381858	7.95%	0.827%
88	21.650	3187	3190	3195	rVB	868511	1125171	6.47%	0.674%
89	22.886	3393	3400	3406	rBV	3445879	9380937	53.95%	5.617%
90	23.091	3432	3435	3446	rVB	779738	1550492	8.92%	0.928%
91	23.480	3495	3501	3513	rVB	2108649	5012147	28.83%	3.001%
92	23.603	3515	3522	3533	rVB	3447120	7684397	44.20%	4.601%
93	23.727	3538	3543	3548	rVB	1169470	2328651	13.39%	1.394%

Sum of corrected areas: 167014045

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
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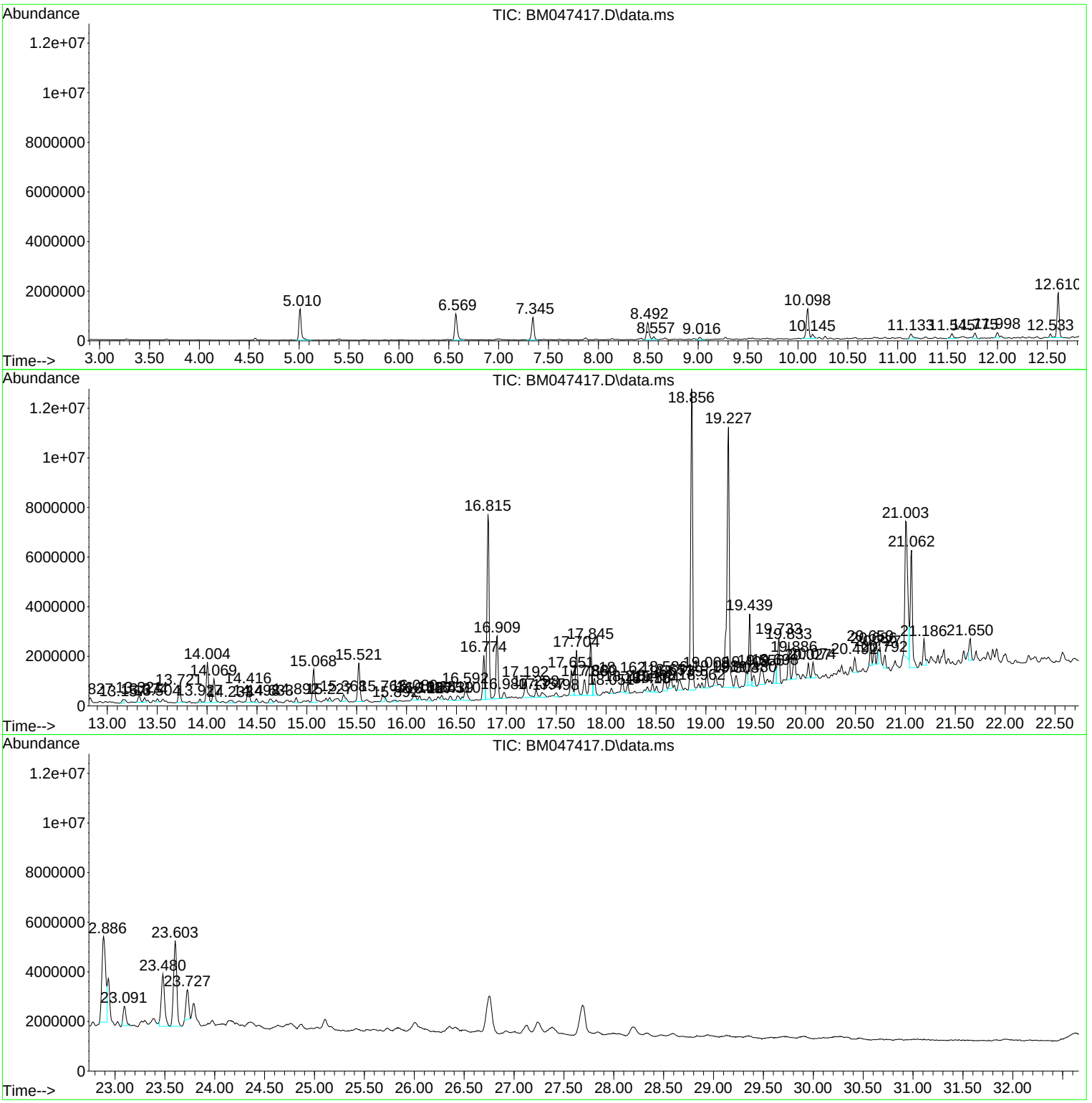
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

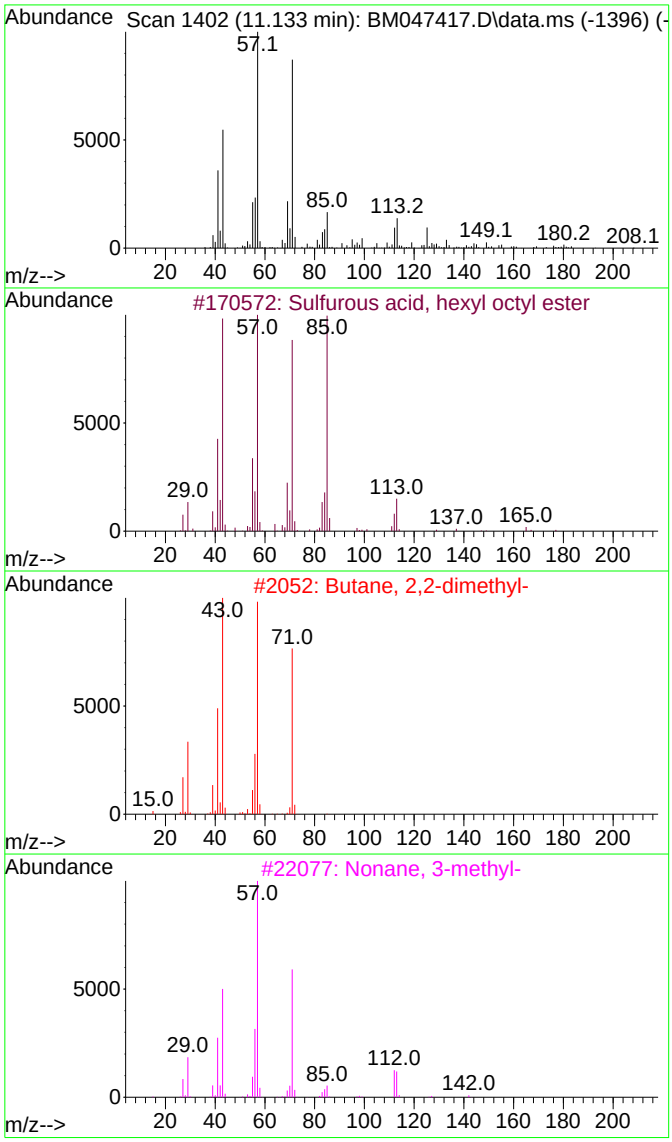
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

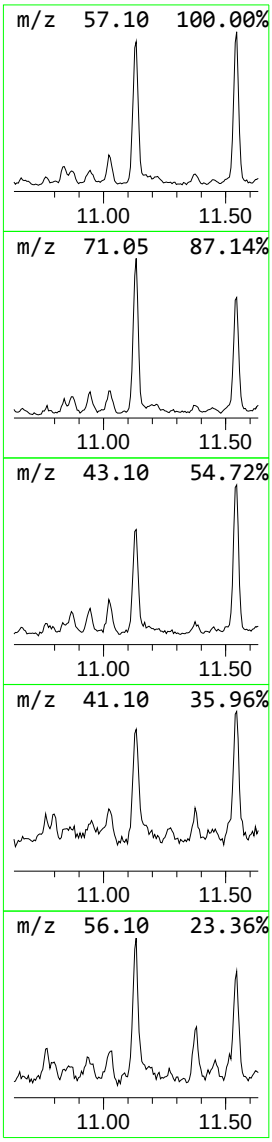
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Sulfurous acid, hexyl octyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.133	4.46 ng	461325	Naphthalene-d8	10.098

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	64
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	49
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	47
5	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

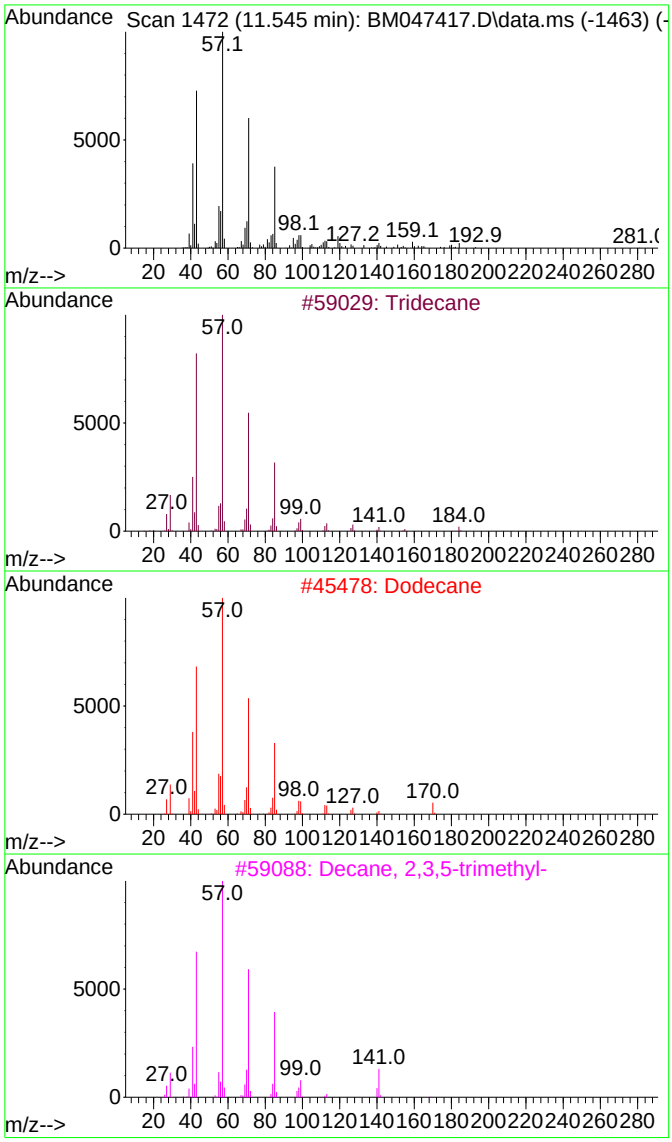
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

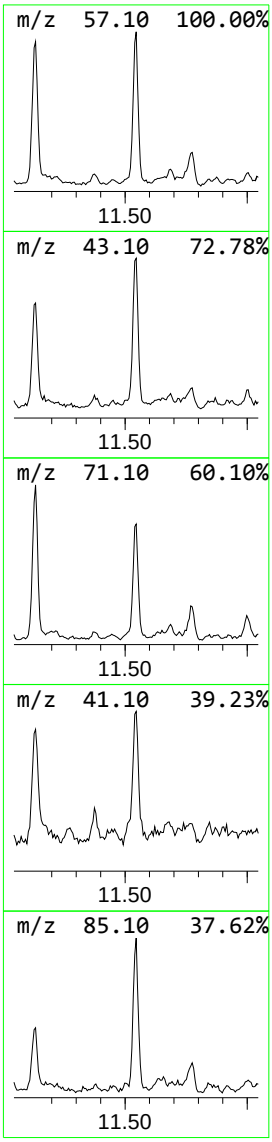
****

Peak Number 2 Tridecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.545	4.07 ng	421318	Naphthalene-d8	10.098

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Dodecane	170	C12H26	000112-40-3	80
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	80
4	Hexadecane	226	C16H34	000544-76-3	72
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

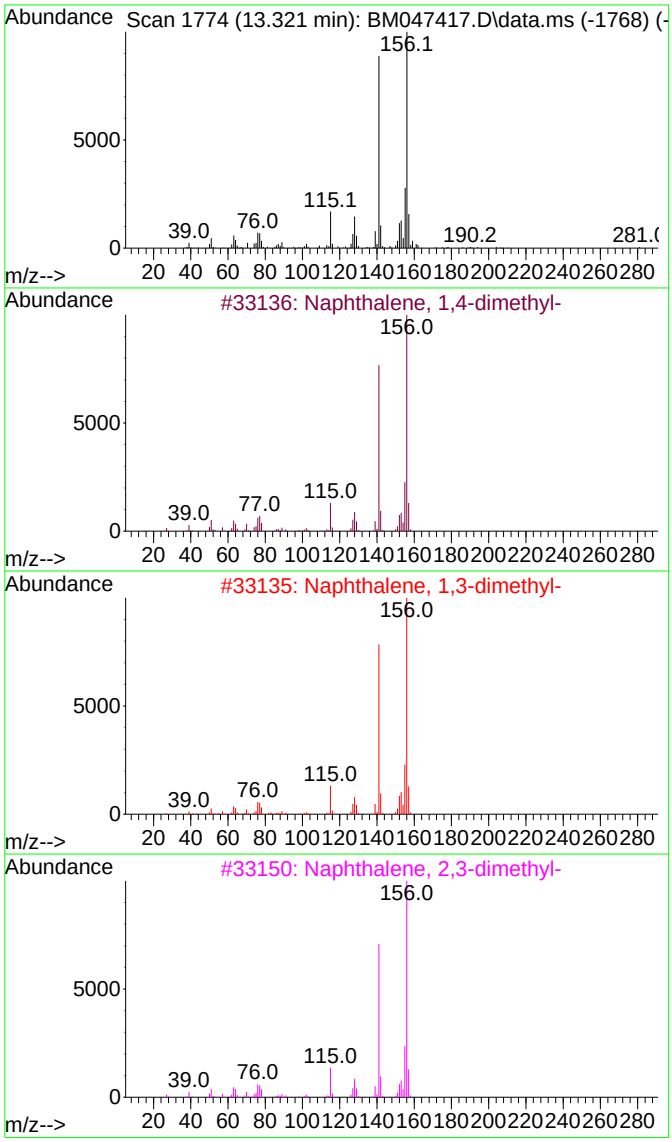
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

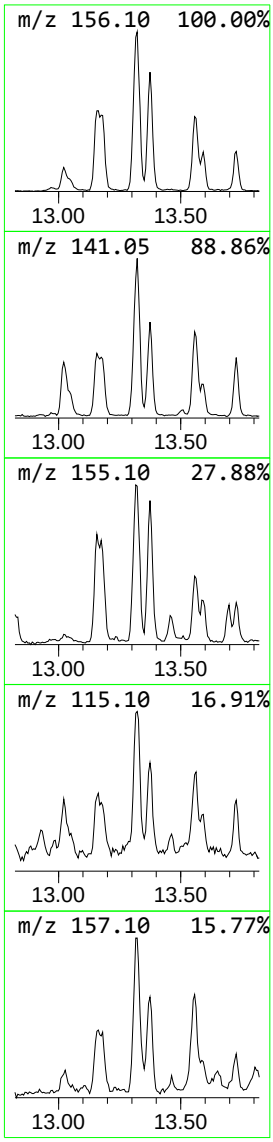
****

Peak Number 3 Naphthalene, 1,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.322	3.81 ng	457885	Acenaphthene-d10	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

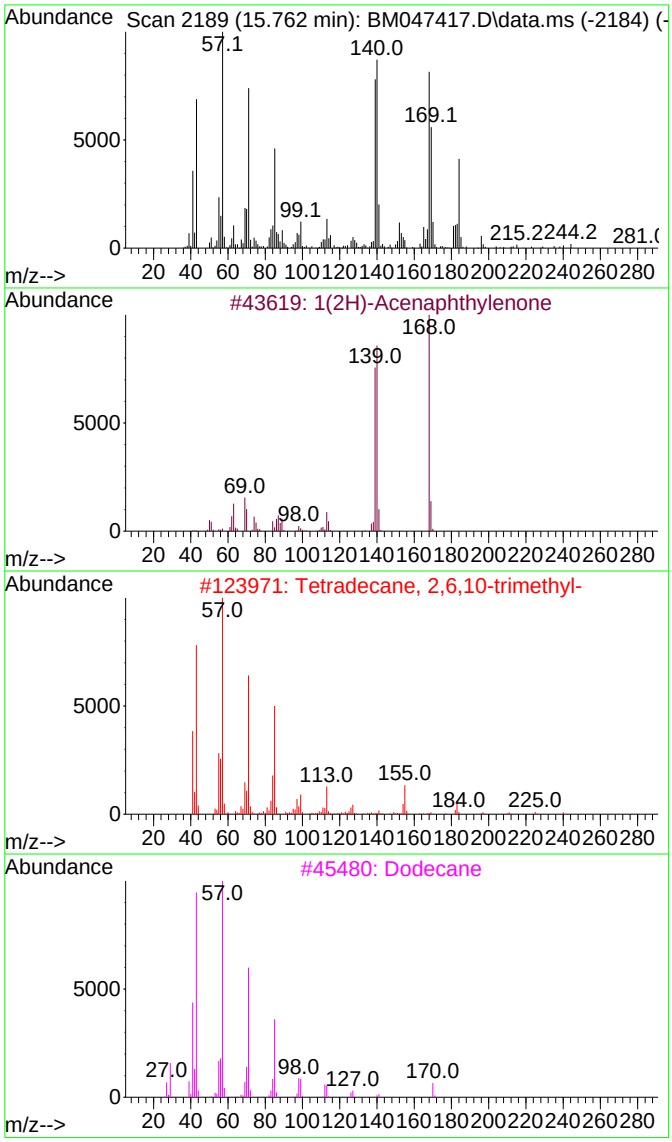
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

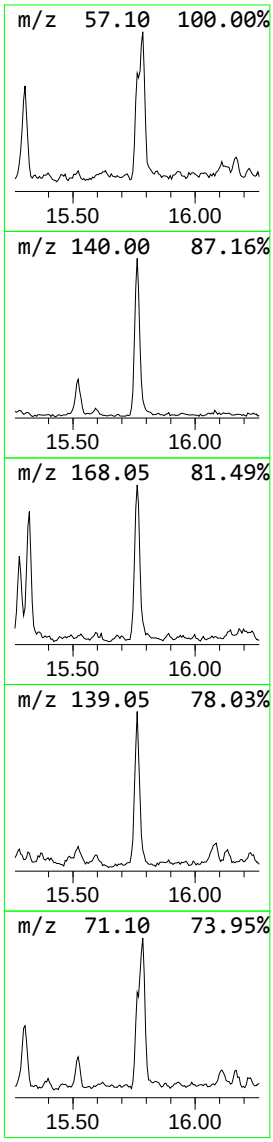
****

Peak Number 4 1(2H)-Acenaphthylenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.762	3.85 ng	479072	Phenanthrene-d10	16.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	86
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	44
3	Dodecane	170	C12H26	000112-40-3	25
4	5-Ethyldecane	170	C12H26	017302-36-2	25
5	Pentacosane	352	C25H52	000629-99-2	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

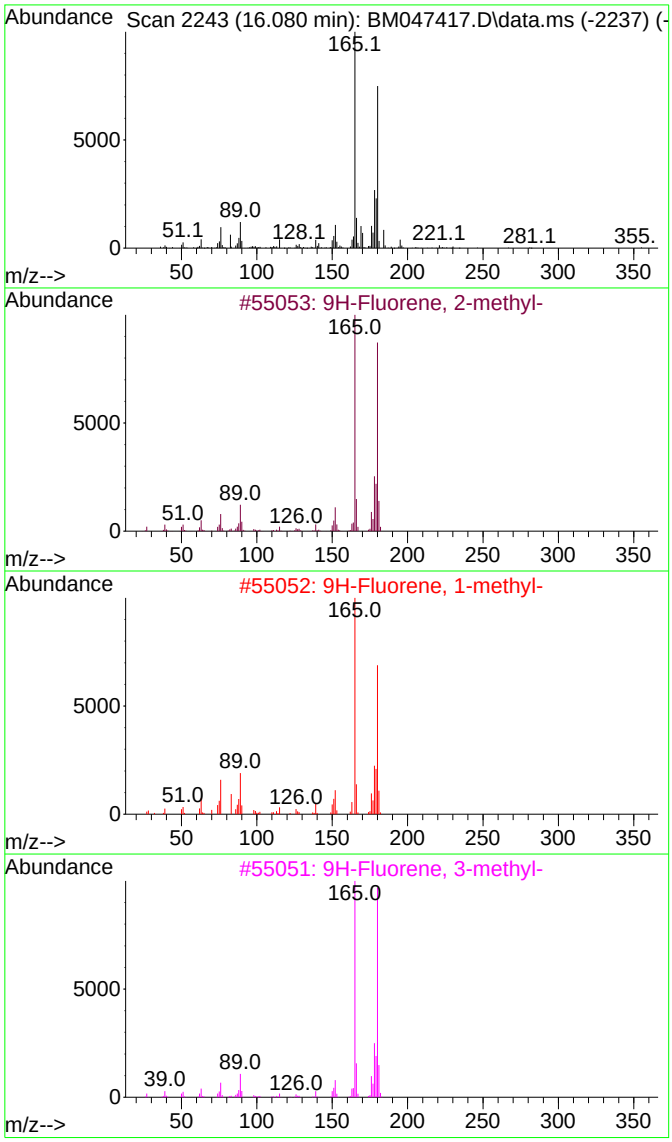
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

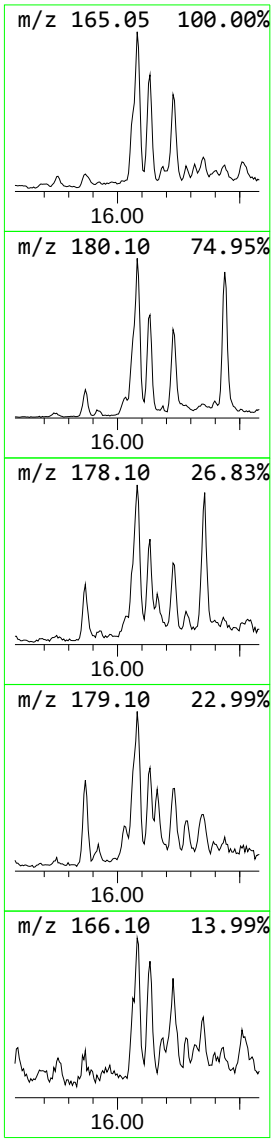
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.080	3.78 ng	471505	Phenanthrene-d10	16.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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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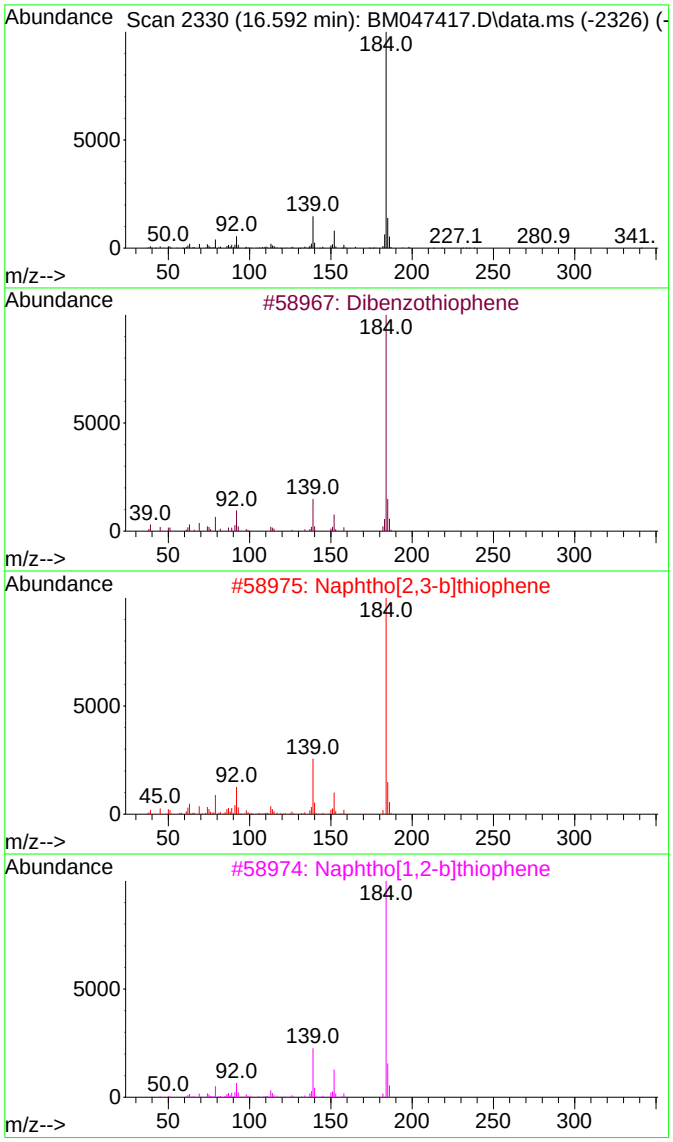
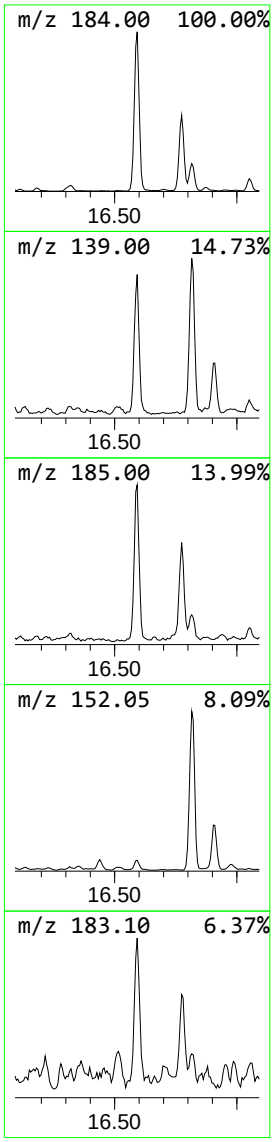
Peak Number 6 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.592	8.37 ng	1043380	Phenanthrene-d10	16.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90





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Acq On : 30 Aug 2024 22:18
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Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-082924

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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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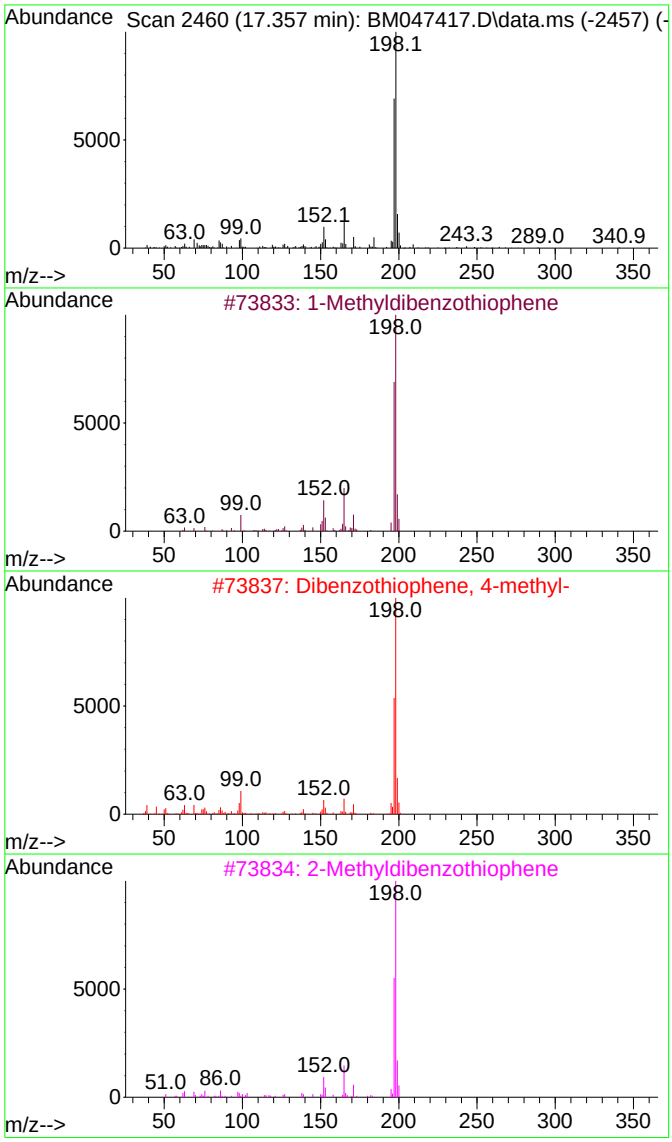
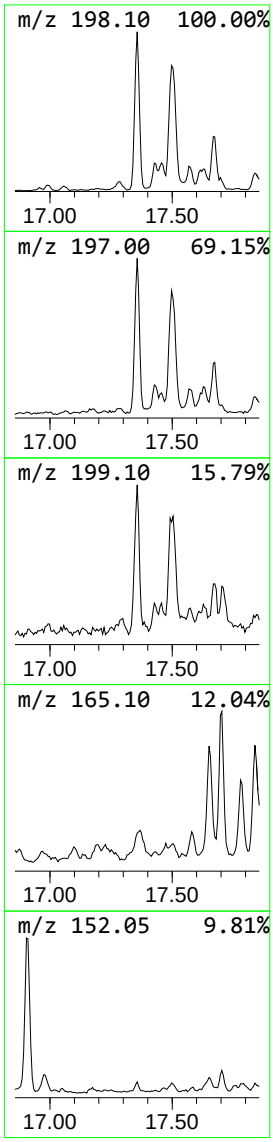
Peak Number 7 1-Methyldibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.357	3.67 ng	457065	Phenanthrene-d10	16.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72





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Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-082924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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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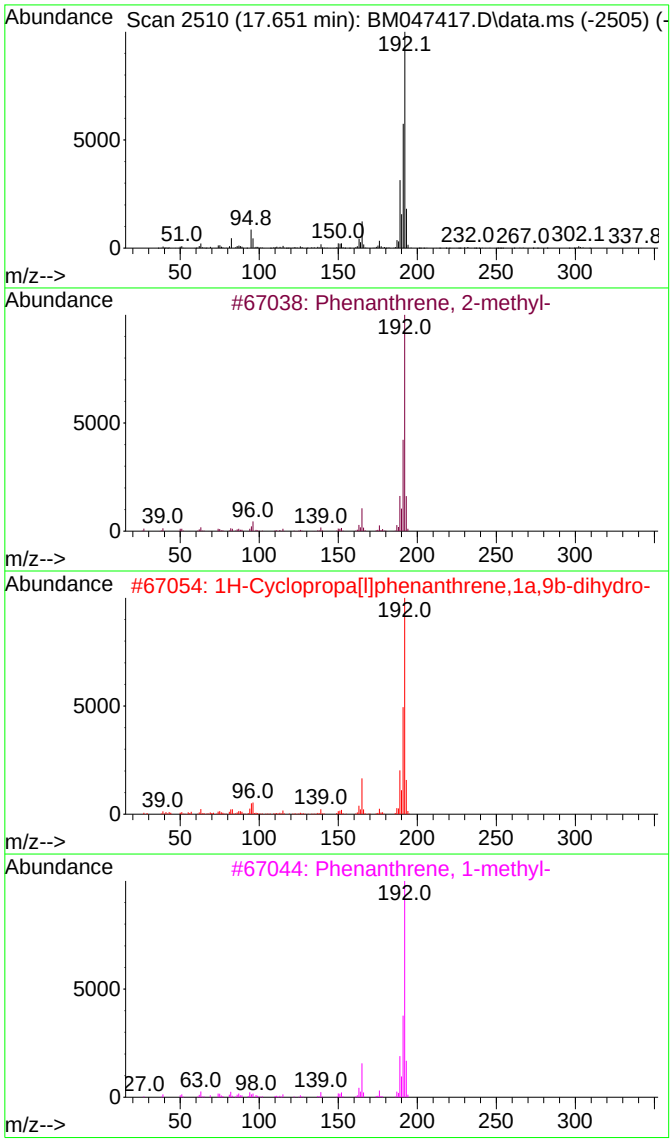
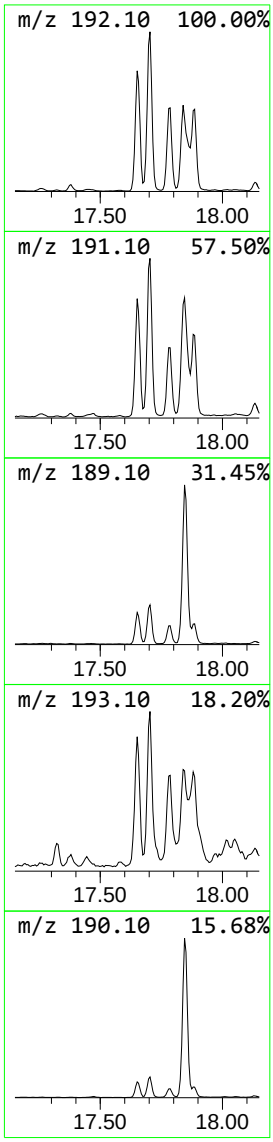
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.651	12.01 ng	1496460	Phenanthrene-d10	16.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-082924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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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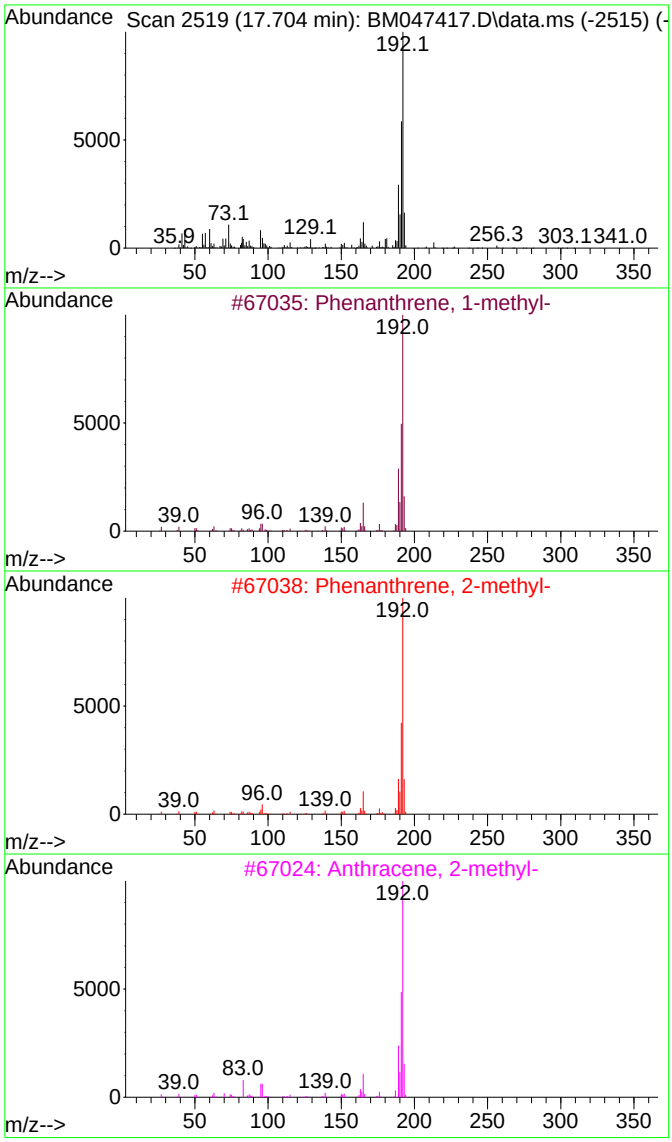
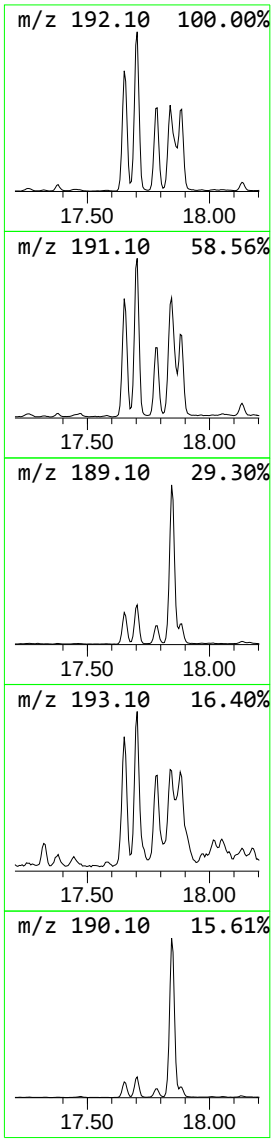
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.704	20.51 ng	2555530	Phenanthrene-d10	16.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-082924

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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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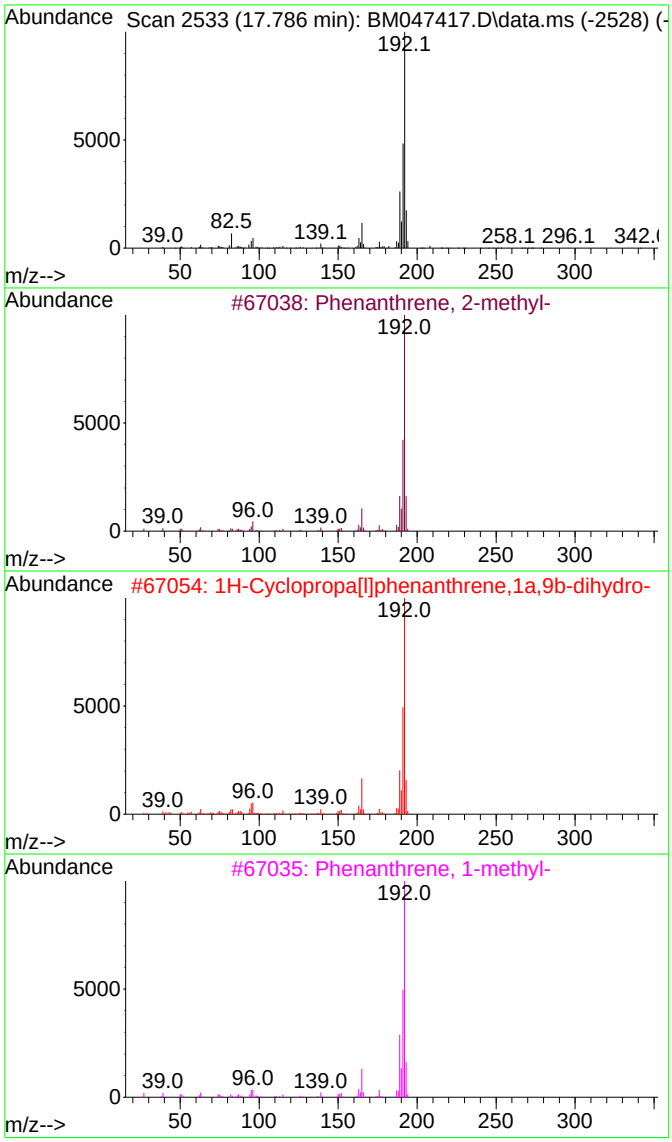
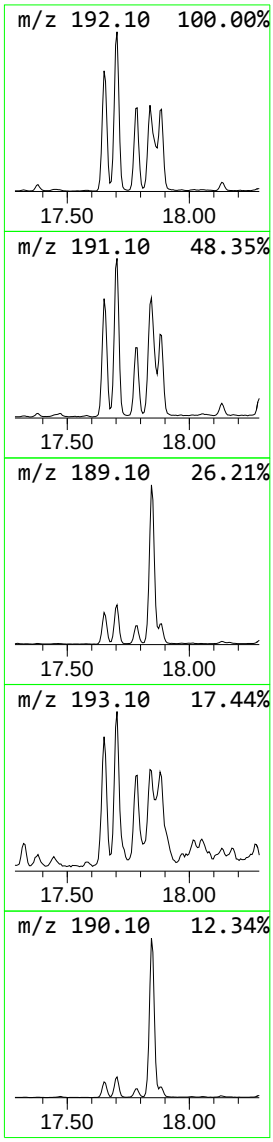
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.786	7.90 ng	984678	Phenanthrene-d10	16.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-082924

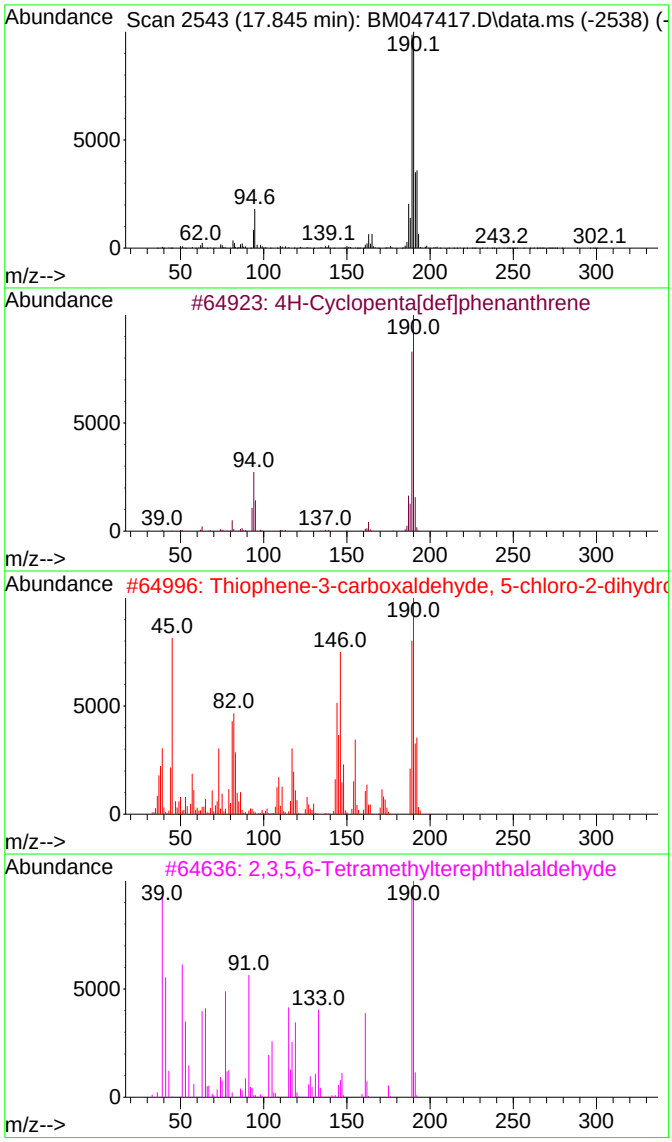
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

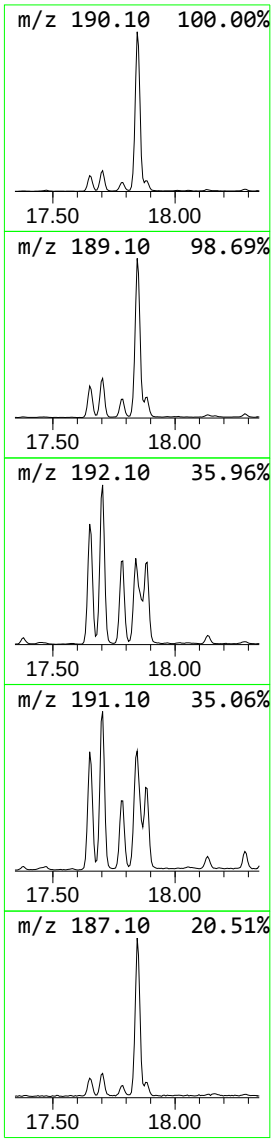
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.845	27.60 ng	3438430	Phenanthrene-d10	16.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





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Acq On : 30 Aug 2024 22:18
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Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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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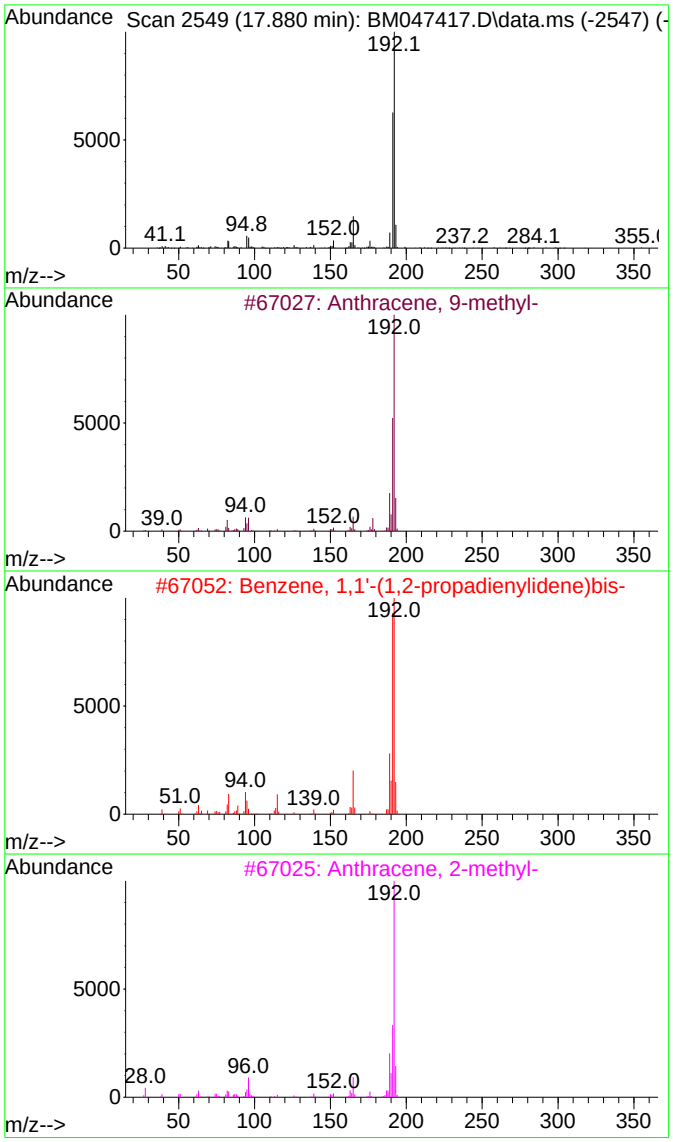
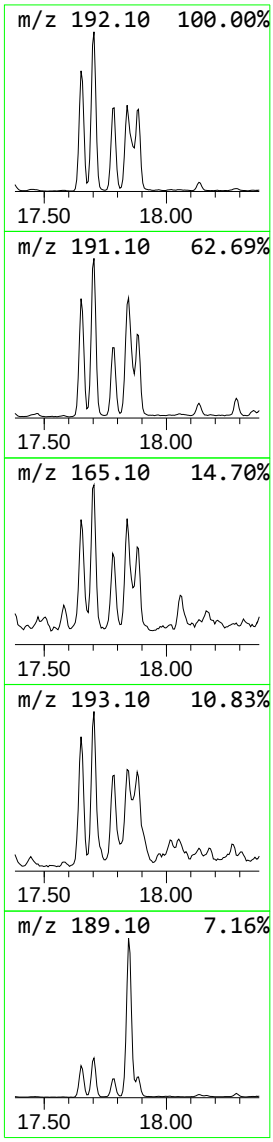
Peak Number 12 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.880	7.55 ng	940825	Phenanthrene-d10	16.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	80
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	74
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	74
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	72





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Acq On : 30 Aug 2024 22:18
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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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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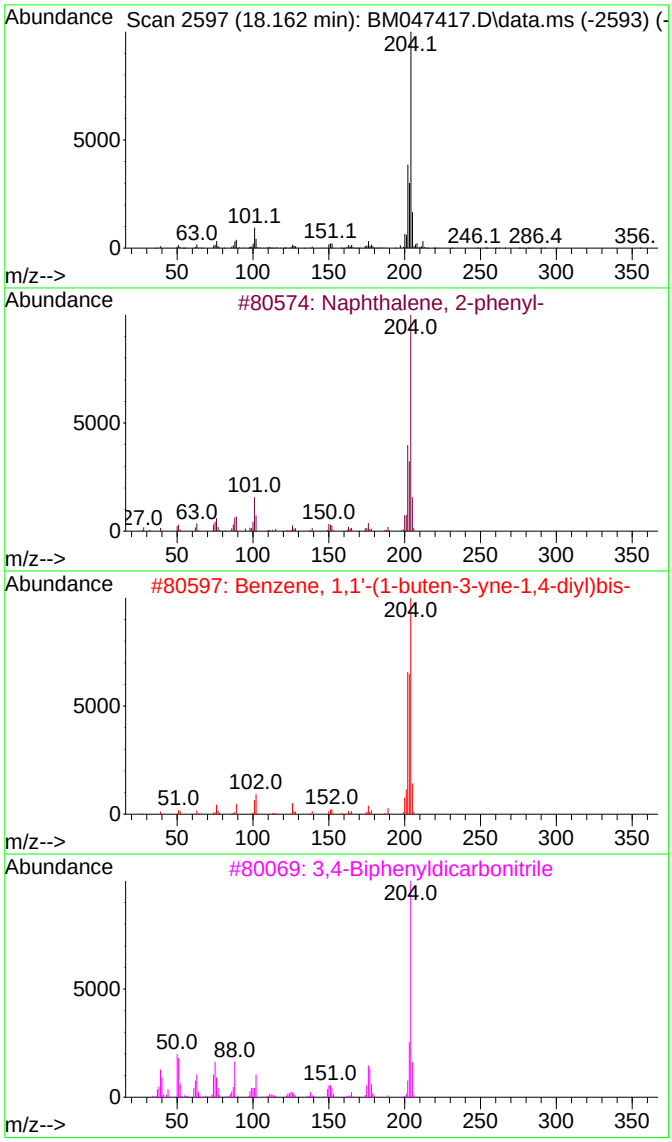
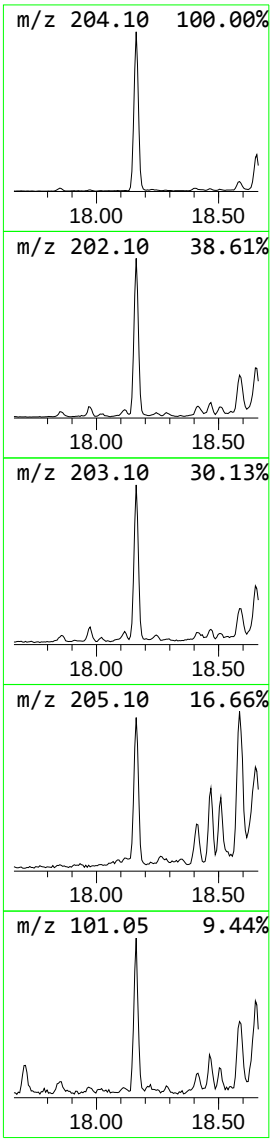
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.162	6.71 ng	836331	Phenanthrene-d10	16.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49





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Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-082924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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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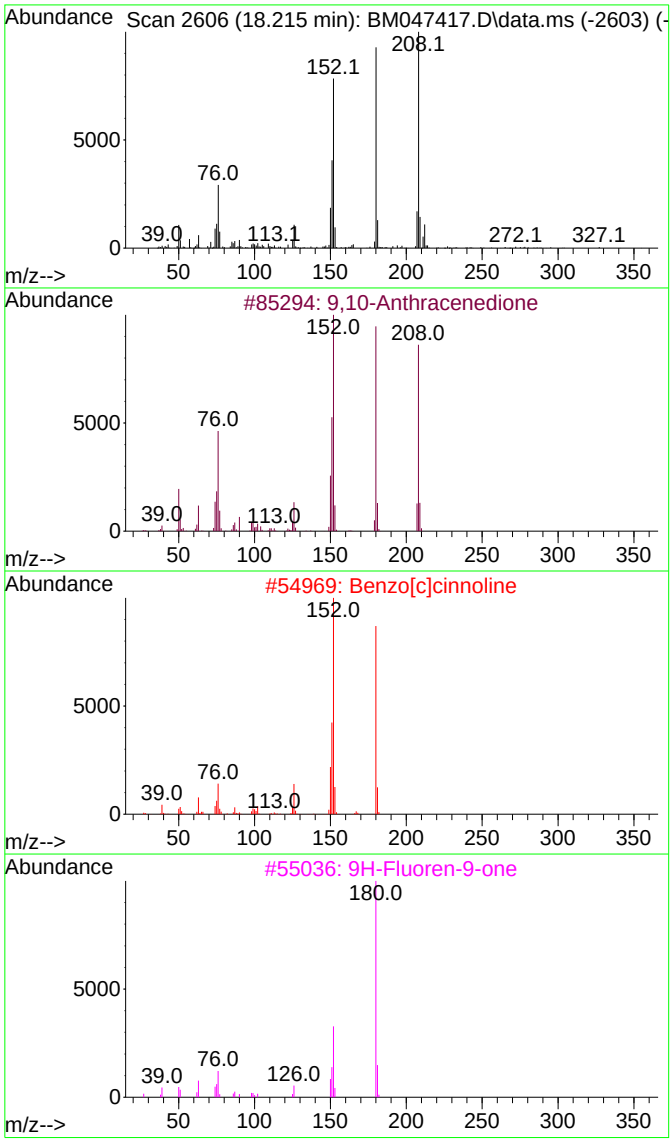
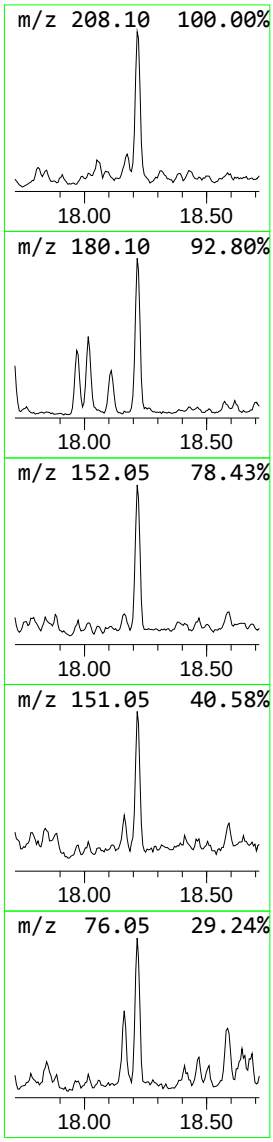
Peak Number 14 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.215	3.71 ng	462792	Phenanthrene-d10	16.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-082924

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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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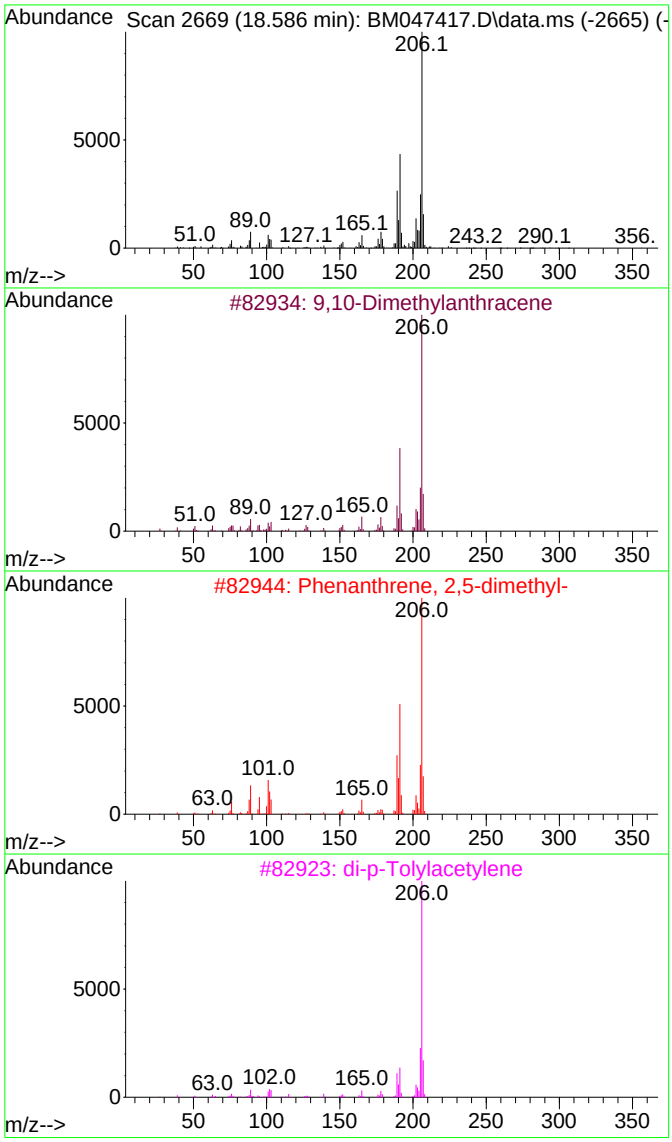
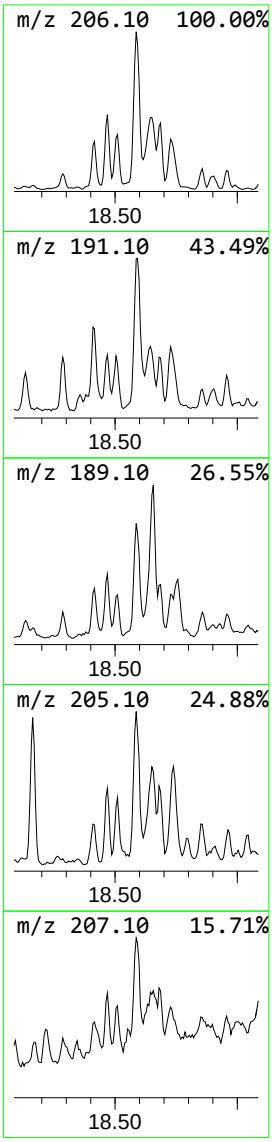
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.586	8.21 ng	1022600	Phenanthrene-d10	16.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Misc :
ALS Vial : 18 Sample Multiplier: 1

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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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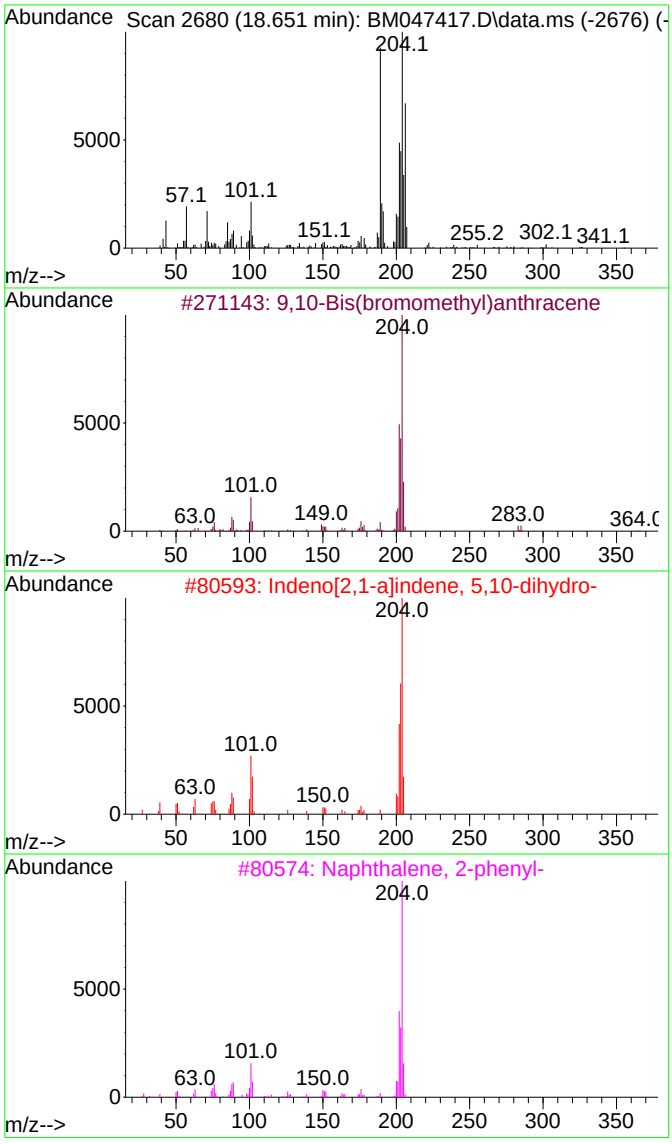
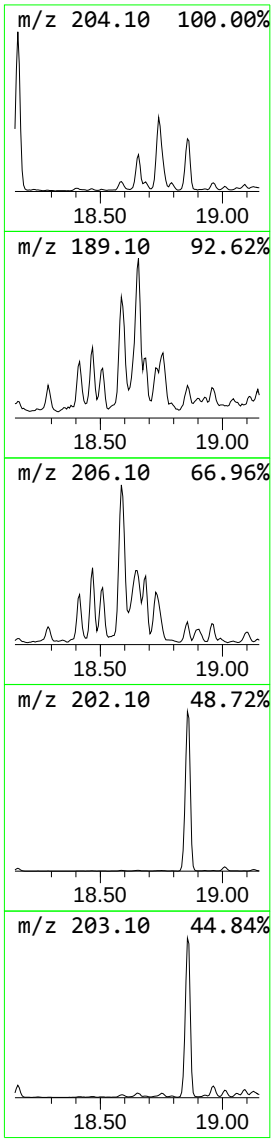
Peak Number 16 unknown18.651 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.651	4.90 ng	610516	Phenanthrene-d10	16.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	41
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38





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Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-082924

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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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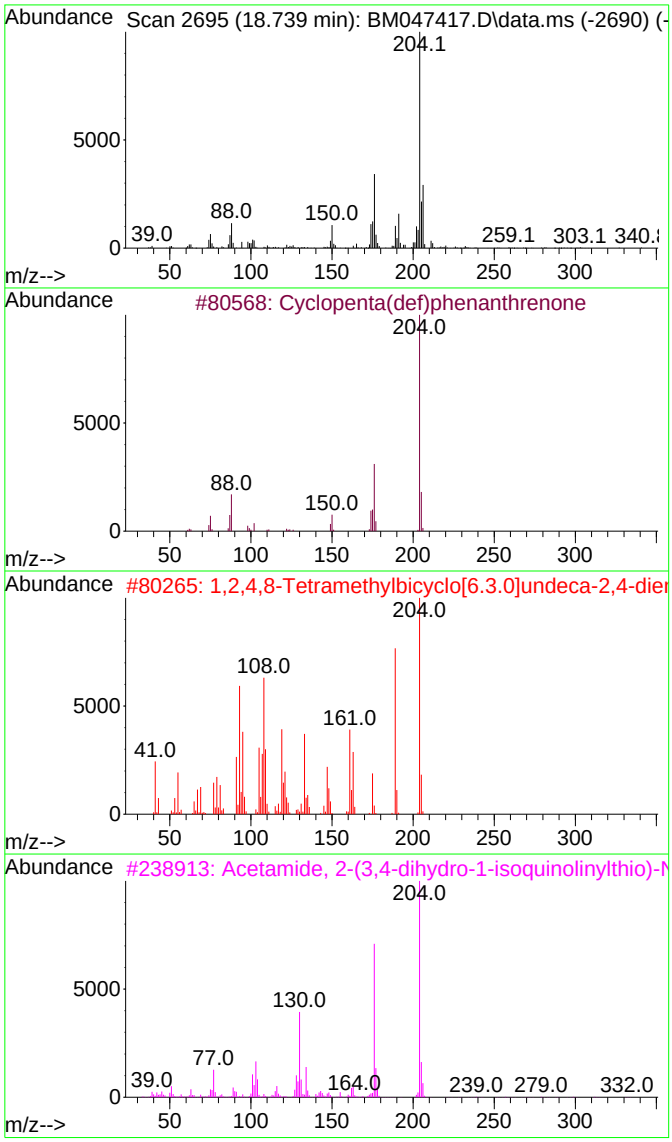
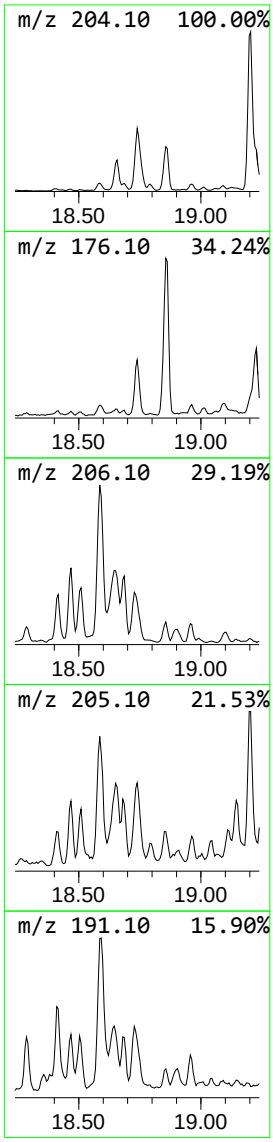
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.739	6.90 ng	859371	Phenanthrene-d10	16.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
3	Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	47
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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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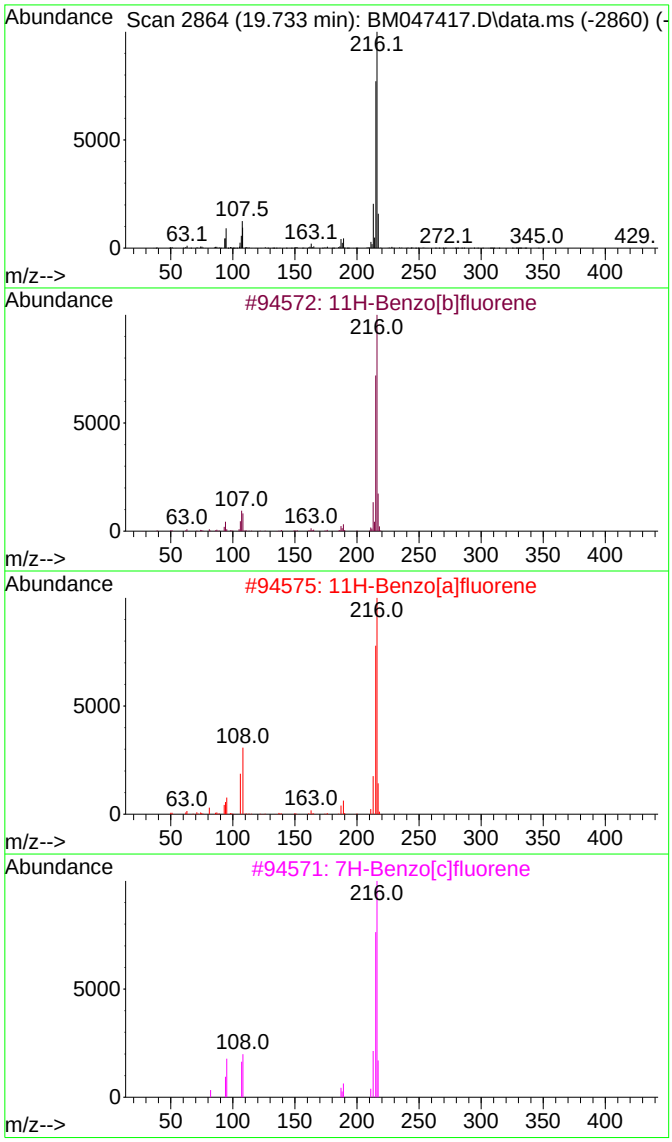
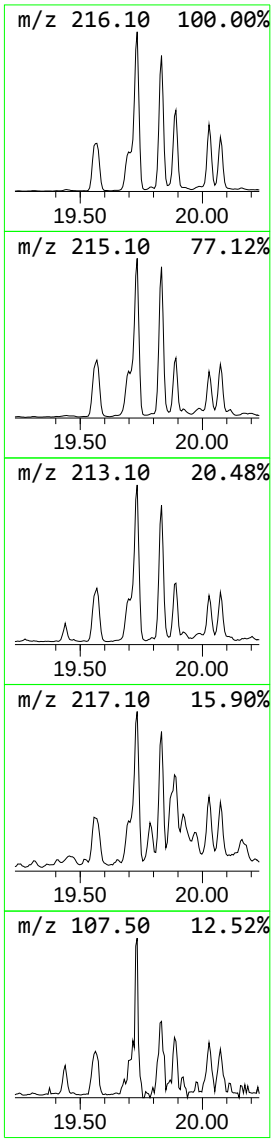
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.733	4.60 ng	2470370	Chrysene-d12	21.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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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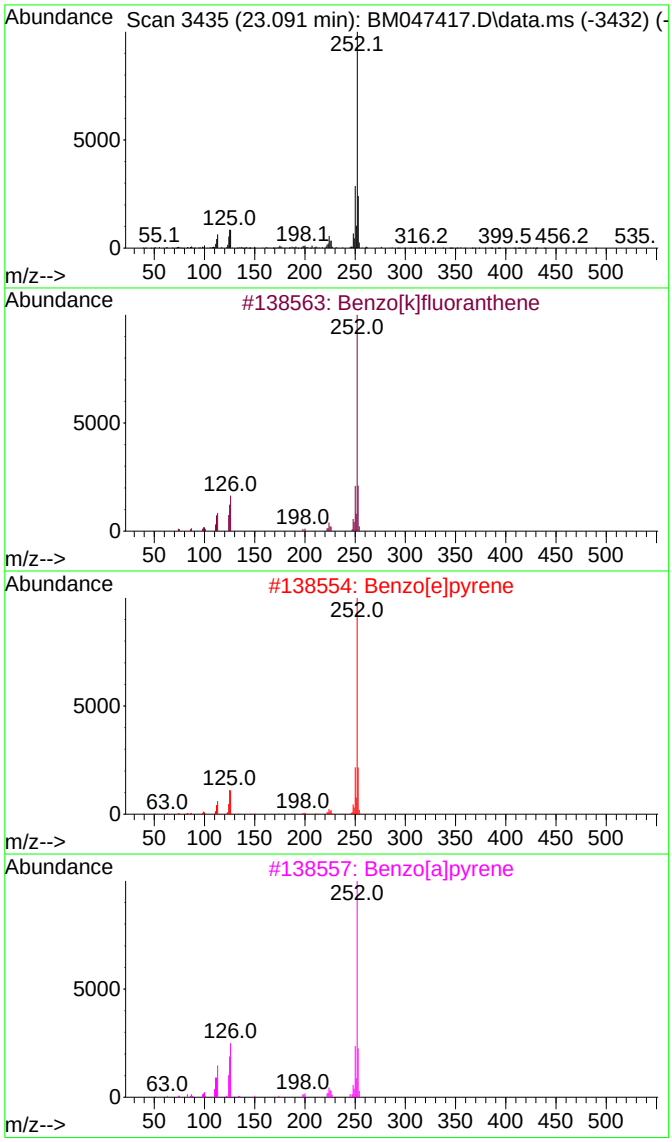
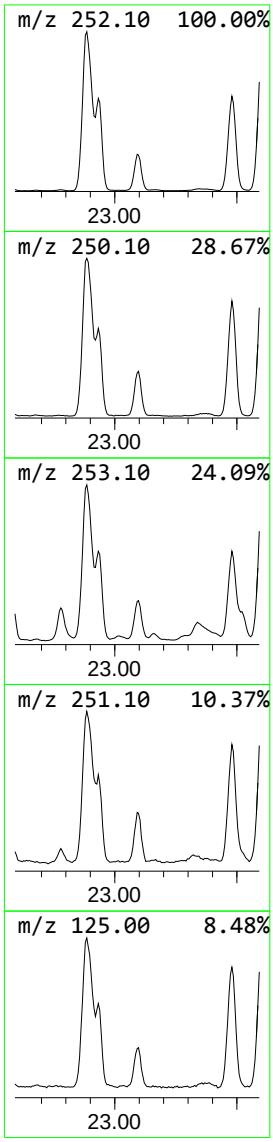
Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.092	13.32 ng	1550490	Perylene-d12	23.727

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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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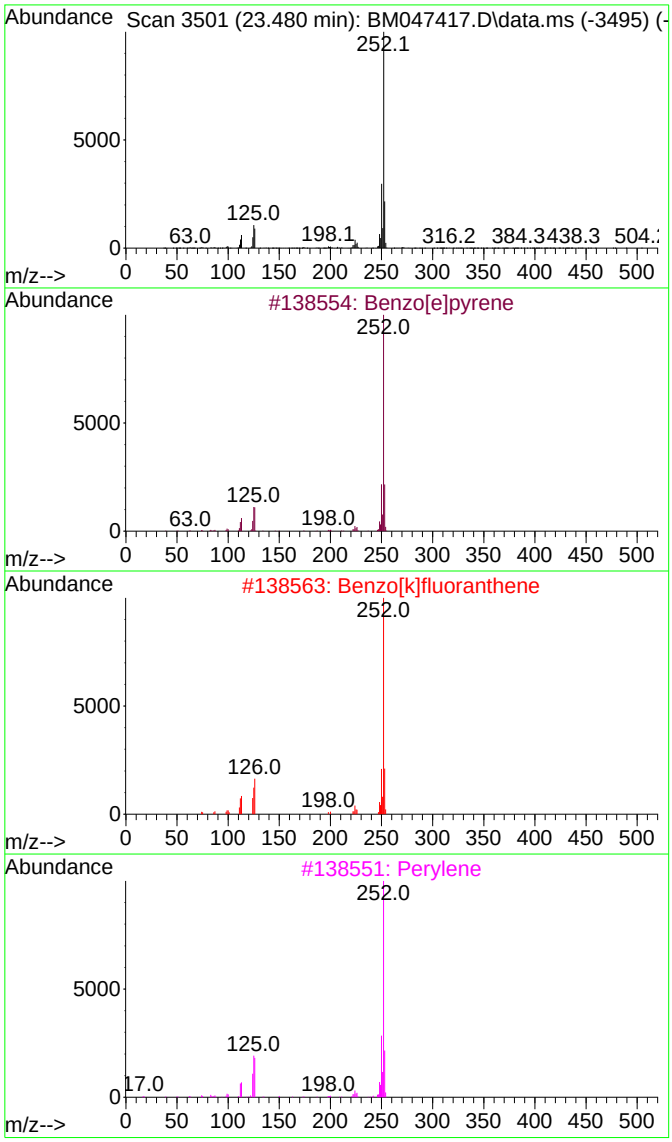
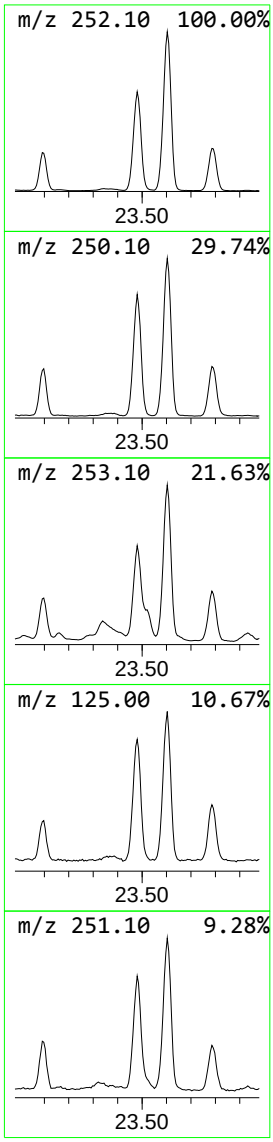
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.480	43.05 ng	5012150	Perylene-d12	23.727

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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
Sulfurous acid,...	11.133	4.5	ng	461325	2	10.098	2070980	20.0
Tridecane	11.545	4.1	ng	421318	2	10.098	2070980	20.0
Naphthalene, 1,...	13.322	3.8	ng	457885	3	14.004	2404880	20.0
1(2H)-Acenaphth...	15.762	3.9	ng	479072	4	16.774	2491800	20.0
9H-Fluorene, 2-...	16.080	3.8	ng	471505	4	16.774	2491800	20.0
Dibenzothiophene	16.592	8.4	ng	1043380	4	16.774	2491800	20.0
1-Methyldibenzo...	17.357	3.7	ng	457065	4	16.774	2491800	20.0
Phenanthrene, 2...	17.651	12.0	ng	1496460	4	16.774	2491800	20.0
Phenanthrene, 1...	17.704	20.5	ng	2555530	4	16.774	2491800	20.0
1H-Cyclopropa[l...	17.786	7.9	ng	984678	4	16.774	2491800	20.0
4H-Cyclopenta[d...	17.845	27.6	ng	3438430	4	16.774	2491800	20.0
Anthracene, 9-m...	17.880	7.5	ng	940825	4	16.774	2491800	20.0
Naphthalene, 2-...	18.162	6.7	ng	836331	4	16.774	2491800	20.0
9,10-Anthracene...	18.215	3.7	ng	462792	4	16.774	2491800	20.0
9,10-Dimethylan...	18.586	8.2	ng	1022600	4	16.774	2491800	20.0
unknown18.651	18.651	4.9	ng	610516	4	16.774	2491800	20.0
Cyclopenta(def)...	18.739	6.9	ng	859371	4	16.774	2491800	20.0
11H-Benzo[b]flu...	19.733	4.6	ng	2470370	5	21.021	10745600	20.0
Benzo[e]pyrene	23.092	13.3	ng	1550490	6	23.727	2328650	20.0
Perylene	23.480	43.0	ng	5012150	6	23.727	2328650	20.0