LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050698.D
Acq On : 22 Oct 2021 21:01
Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-FB-(1)

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_G\Methods\8270-BG100621.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG050698.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.793	385	392	403	rBV	594954	1043778	64.06%	5.234%
2	7.397	657	665	683	rBV	634772	1153109	70.77%	5.783%
3	8.255	804	811	820	rBV	185549	322800	19.81%	1.619%
4	9.424	1002	1010	1021	rBV	401142	741862	45.53%	3.720%
5	10.817	1239	1247	1266	rBV	157991	314712	19.31%	1.578%
6	11.075	1283	1291	1298	rBV	246489	461911	28.35%	2.316%
7	12.932	1602	1607	1612	rVB	15526	23559	1.45%	0.118%
8	13.496	1694	1703	1710	rBV	930559	1507030	92.49%	7.558%
9	13.737	1735	1744	1752	rVB3	23538	42506	2.61%	0.213%
10	14.189	1813	1821	1826	rBV3	23700	43700	2.68%	0.219%
11	14.242	1826	1830	1834	rVB2	11740	17220	1.06%	0.086%
12	14.424	1856	1861	1864	rBV2	11543	18630	1.14%	0.093%
13	14.600	1884	1891	1899	rBV3	32260	69953	4.29%	0.351%
14	14.871	1926	1937	1944	rBV	363407	601027	36.89%	3.014%
15	14.935	1944	1948	1954	rVB2	13779	22823	1.40%	0.114%
16	15.258	1997	2003	2010	rVB3	18907	36083	2.21%	0.181%
17	15.335	2010	2016	2021	rBV	19527	30762	1.89%	0.154%
18	15.470	2034	2039	2045	rBV4	17932	36897	2.26%	0.185%
19	15.646	2061	2069	2072	rBV3	13652	30802	1.89%	0.154%
20	15.681	2072	2075	2080	rVB5	11561	16760	1.03%	0.084%
21	15.911	2108	2114	2121	rBV4	23401	47978	2.94%	0.241%
22	16.204	2155	2164	2171	rBV6	12577	31888	1.96%	0.160%
23	16.357	2183	2190	2210	rVB	526839	962892	59.09%	4.829%
24	16.575	2222	2227	2235	rVB6	17340	39774	2.44%	0.199%
25	16.909	2276	2284	2289	rBV6	22061	53552	3.29%	0.269%
26	16.962	2289	2293	2298	rVB3	17731	26813	1.65%	0.134%
27	17.062	2306	2310	2315	rVB4	13623	25253	1.55%	0.127%
28	17.139	2315	2323	2327	rBV7	16771	41920	2.57%	0.210%
29	17.262	2340	2344	2350	rVB2	25021	38097	2.34%	0.191%
30	17.332	2352	2356	2362	rVV6	13173	22331	1.37%	0.112%
31	17.432	2368	2373	2379	rVB3	28207	47020	2.89%	0.236%
32	17.615	2398	2404	2408	rBV	402810	650758	39.94%	3.263%
33	17.656	2408	2411	2418	rVV	355724	504588	30.97%	2.530%
34	17.750	2422	2427	2431	rVV	31097	49888	3.06%	0.250%
35	17.803	2431	2436	2440	rVB4	19994	36418	2.23%	0.183%
36	18.014	2468	2472	2479	rBV4	18375	39628	2.43%	0.199%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050698.D
Acq On : 22 Oct 2021 21:01
Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-FB-(1)

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_G\Methods\8270-BG100621.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.126	2487	2491	2494	rBV2	17528	21679	1.33%	0.109%
38	18.196	2498	2503	2508	rVB	47193	74485	4.57%	0.374%
39	18.249	2508	2512	2516	rBV2	34500	47496	2.91%	0.238%
40	18.337	2523	2527	2534	rVB	27993	55271	3.39%	0.277%
41	18.408	2536	2539	2544	rVV4	14918	23522	1.44%	0.118%
42	18.484	2547	2552	2556	rVV	134198	214708	13.18%	1.077%
43	18.531	2556	2560	2566	rVB	149680	241103	14.80%	1.209%
44	18.613	2570	2574	2578	rBV2	23997	33469	2.05%	0.168%
45	18.672	2578	2584	2589	rVV3	144785	310582	19.06%	1.558%
46	18.713	2589	2591	2596	rVB	108822	141071	8.66%	0.707%
47	18.831	2608	2611	2615	rBV6	10482	17605	1.08%	0.088%
48	18.872	2615	2618	2622	rVB2	20955	32334	1.98%	0.162%
49	18.978	2631	2636	2639	rBV2	71462	107368	6.59%	0.538%
50	19.019	2639	2643	2649	rVB3	74311	133741	8.21%	0.671%
51	19.219	2669	2677	2681	rBV3	47994	103897	6.38%	0.521%
52	19.266	2682	2685	2689	rVV	52677	75939	4.66%	0.381%
53	19.307	2689	2692	2695	rVB2	36669	45655	2.80%	0.229%
54	19.395	2701	2707	2712	rBV2	143760	318771	19.56%	1.599%
55	19.448	2712	2716	2719	rVV3	28127	54071	3.32%	0.271%
56	19.536	2725	2731	2736	rBV3	87712	179999	11.05%	0.903%
57	19.653	2746	2751	2757	rVB	649161	952042	58.43%	4.774%
58	19.712	2757	2761	2763	rBV	32273	43435	2.67%	0.218%
59	19.747	2764	2767	2771	rVB3	38105	46856	2.88%	0.235%
60	19.800	2774	2776	2780	rVV	30091	36251	2.22%	0.182%
61	19.841	2781	2783	2787	rVB2	28688	33983	2.09%	0.170%
62	19.982	2803	2807	2808	rBV	71818	92111	5.65%	0.462%
63	20.018	2808	2813	2819	rVB	720801	1047231	64.27%	5.252%
64	20.082	2819	2824	2829	rBV	69909	106791	6.55%	0.536%
65	20.200	2839	2844	2849	rBV	1215685	1629457	100.00%	8.172%
66	20.341	2861	2868	2874	rBV4	84893	220229	13.52%	1.104%
67	20.499	2886	2895	2902	rVB	123216	319617	19.61%	1.603%
68	20.599	2909	2912	2916	rVB2	54407	66254	4.07%	0.332%
69	20.664	2919	2923	2926	rVB	102335	142169	8.72%	0.713%
70	20.799	2943	2946	2950	rBV	96271	134671	8.26%	0.675%
71	20.852	2951	2955	2965	rVB2	91173	167017	10.25%	0.838%
72	21.281	3024	3028	3035	rVB	94731	160904	9.87%	0.807%
73	21.516	3065	3068	3073	rVB3	84511	124560	7.64%	0.625%
74	21.909	3127	3135	3141	rBV3	420942	1170896	71.86%	5.872%
75	21.962	3141	3144	3156	rVB	293325	522224	32.05%	2.619%
76	24.242	3524	3532	3539	rBV	179989	593695	36.44%	2.977%

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-FB-(1)

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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Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	25.164	3683	3689	3703	rVB	162793	488188	29.96%	2.448%
78	25.329	3710	3717	3726	rBV3	158217	454529	27.89%	2.279%

Sum of corrected areas: 19940598

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
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Acq On : 22 Oct 2021 21:01
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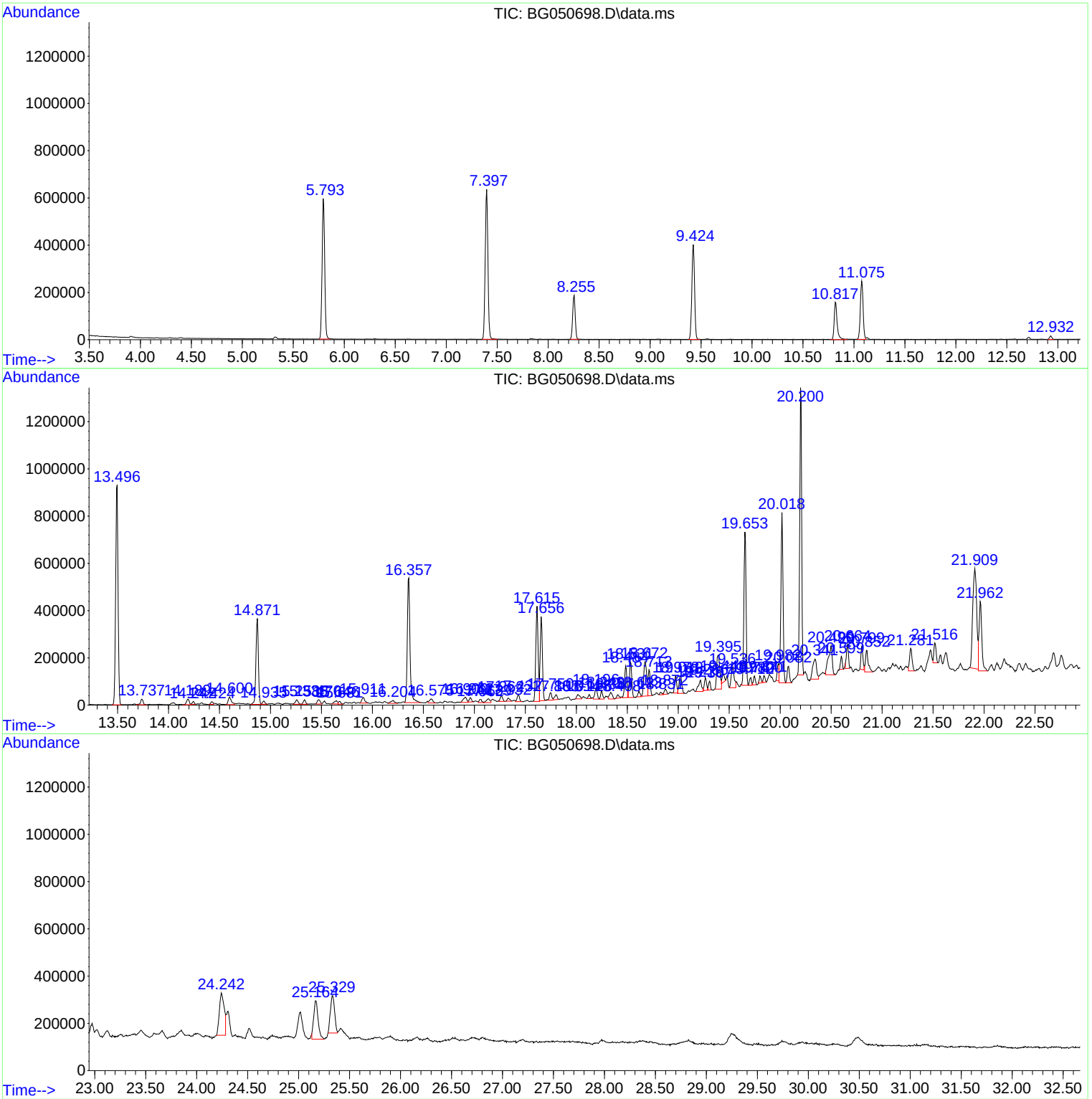
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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_G\Data\BG102221\
Data File : BG050698.D
Acq On : 22 Oct 2021 21:01
Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

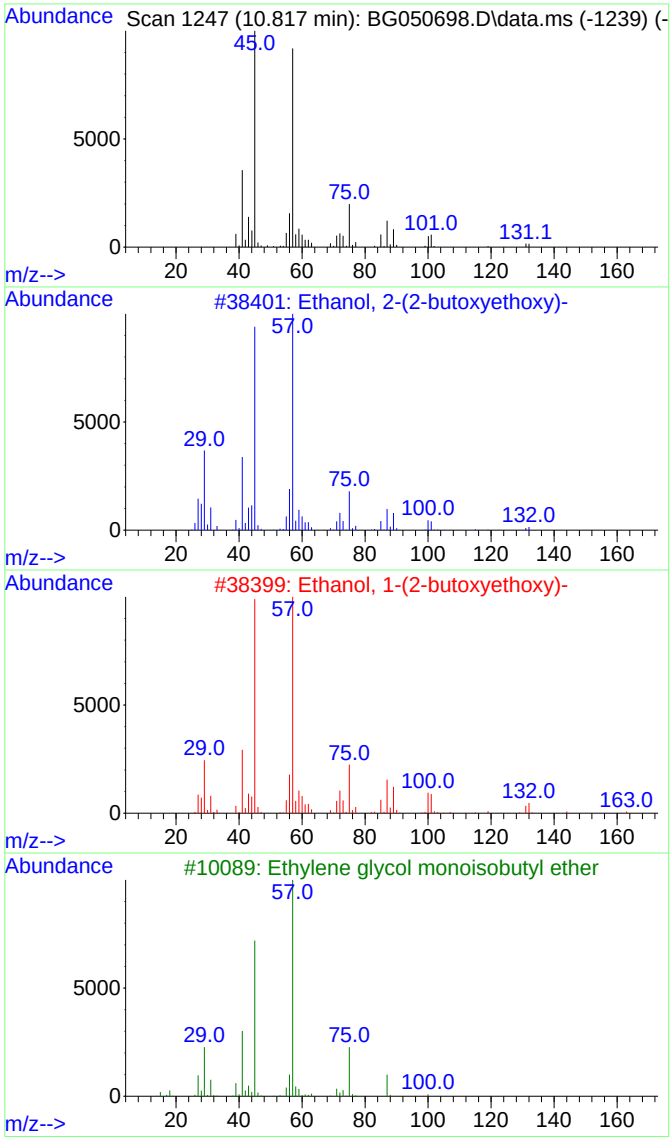
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

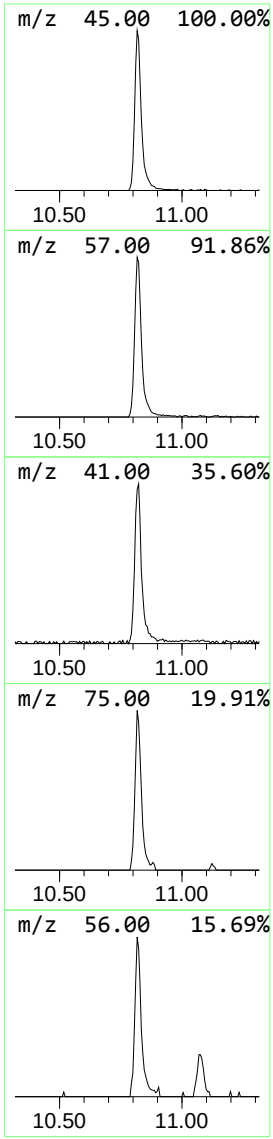
****

Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.817	13.63 ng	314712	Naphthalene-d8	11.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	83
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	72
4	Di-sec-Butyl ether	130	C8H18O	006863-58-7	53
5	Methoxyacetic acid, heptyl ester	188	C10H20O3	168920-36-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050698.D
Acq On : 22 Oct 2021 21:01
Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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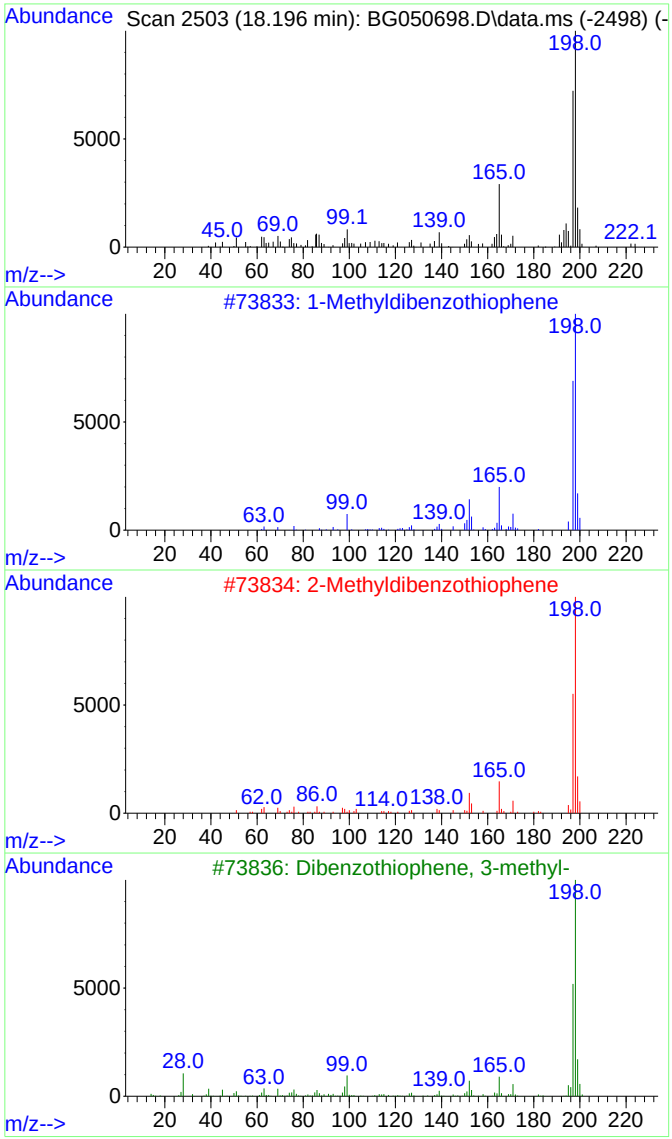
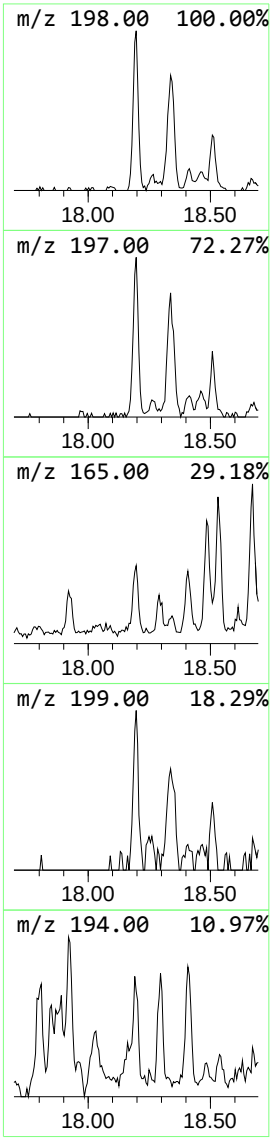
Peak Number 2 1-Methyldibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.196	2.29 ng	74485	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	83
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050698.D
Acq On : 22 Oct 2021 21:01
Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

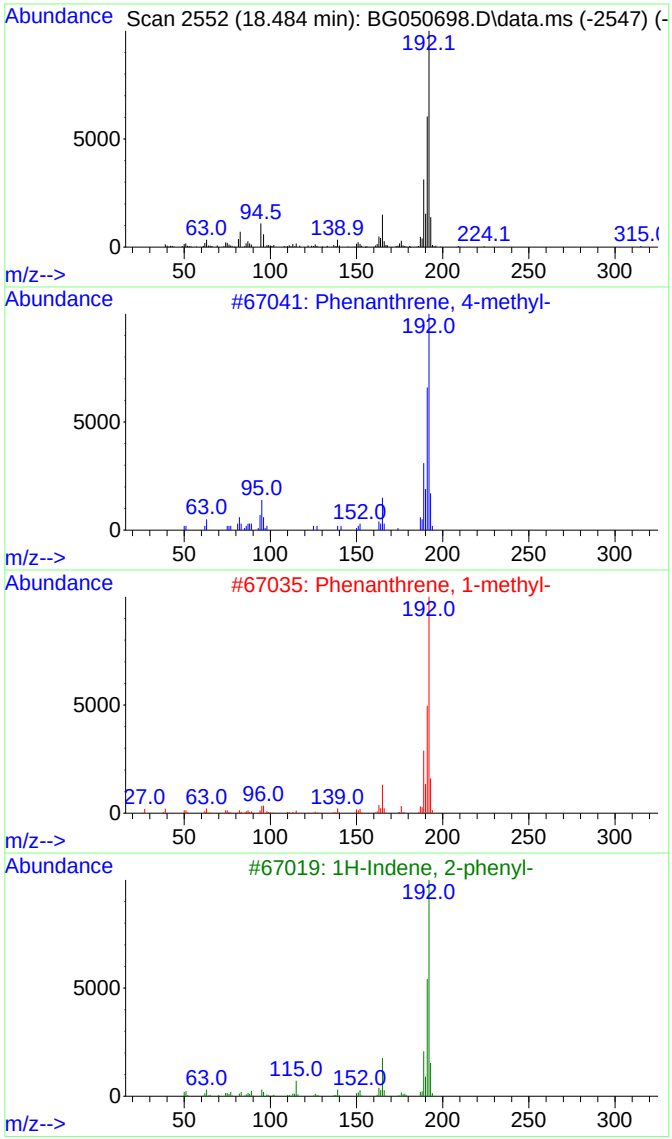
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

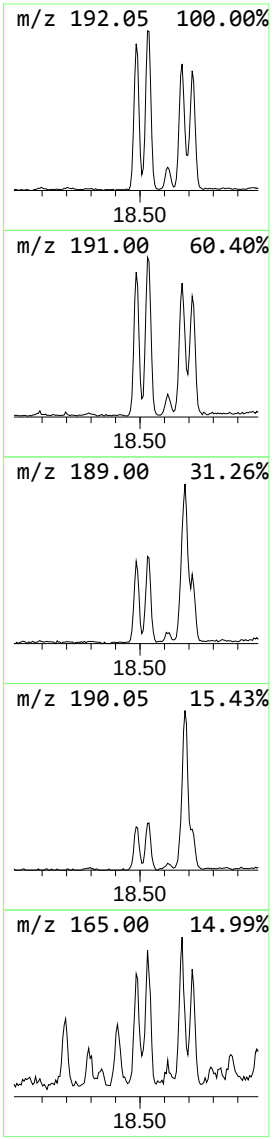
****

Peak Number 3 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.484	6.60 ng	214708	Phenanthrene-d10	17.615

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
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Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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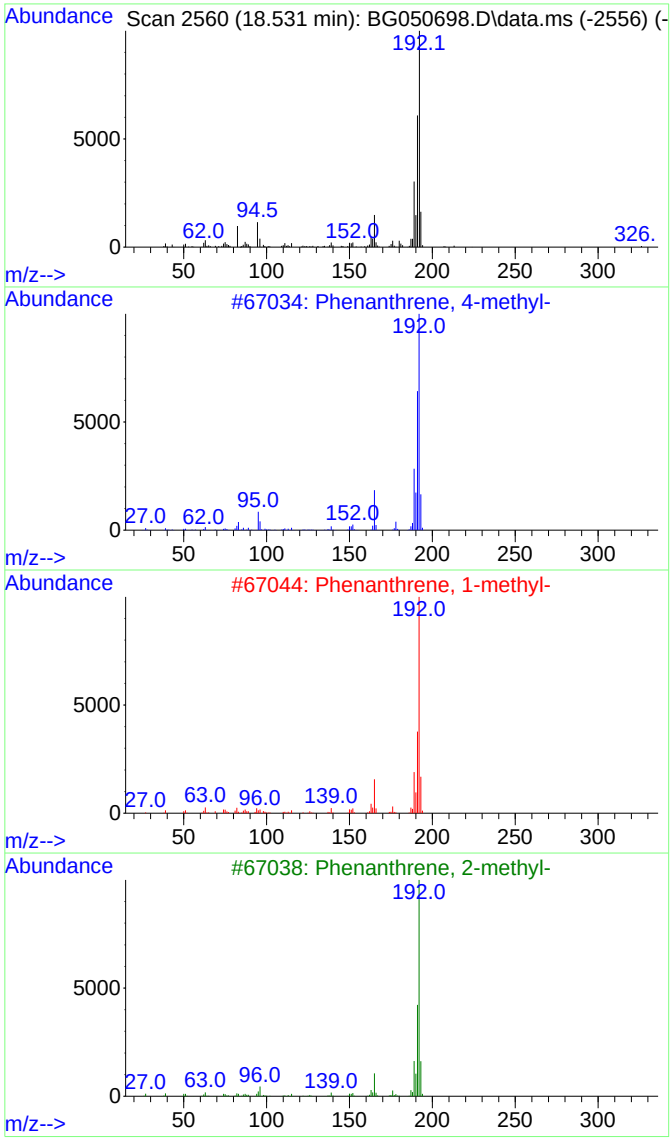
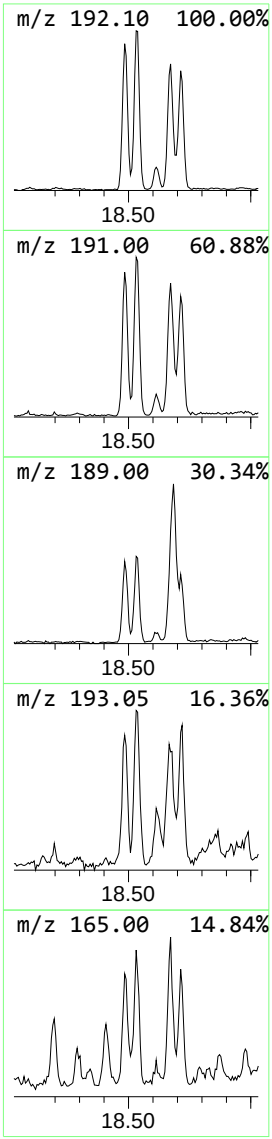
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.531	7.41 ng	241103	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050698.D
Acq On : 22 Oct 2021 21:01
Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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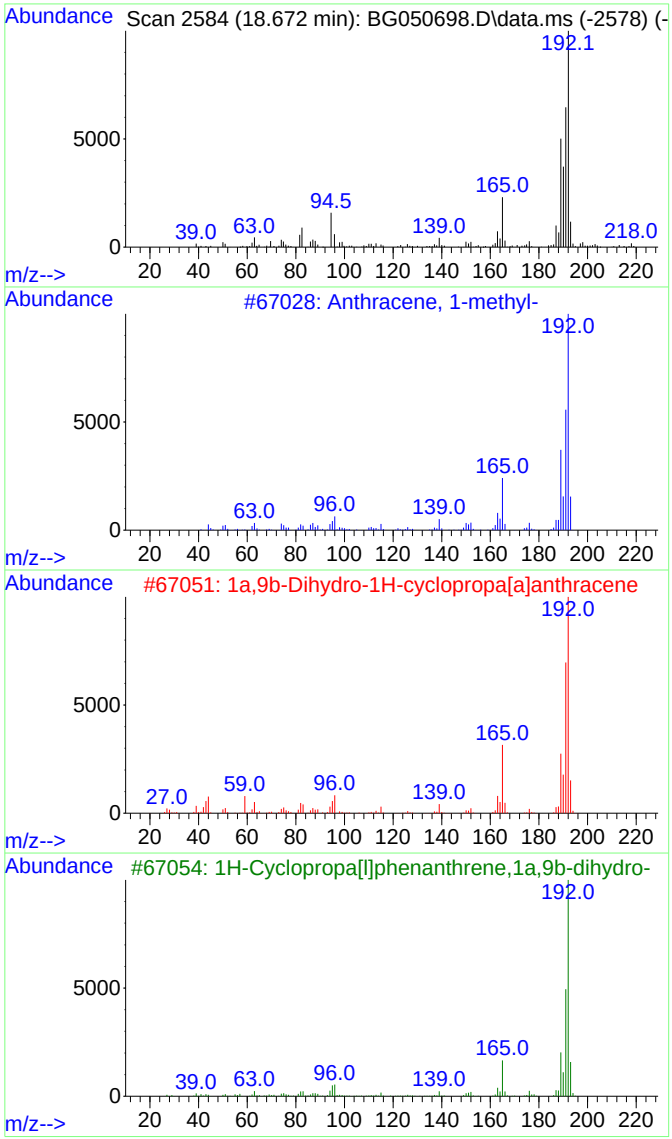
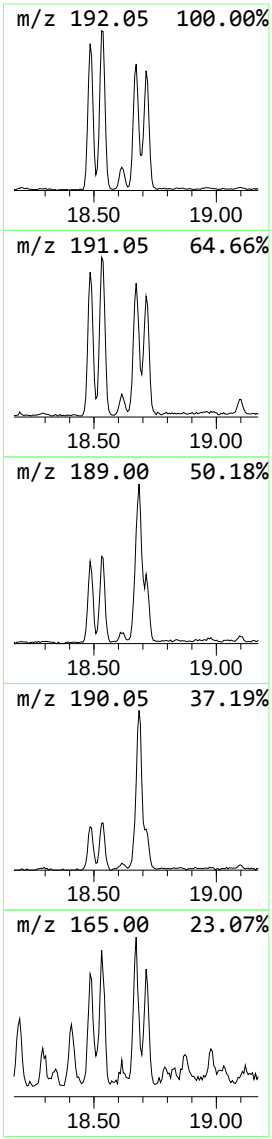
Peak Number 5 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.672	9.55 ng	310582	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	64
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60





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Data File : BG050698.D
Acq On : 22 Oct 2021 21:01
Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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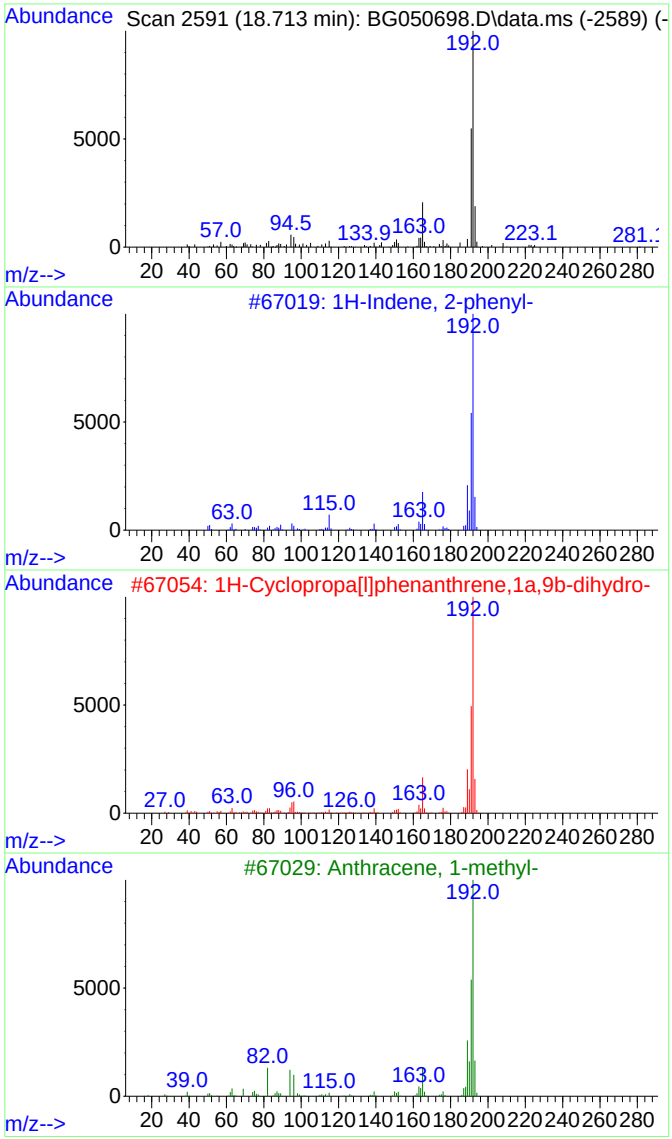
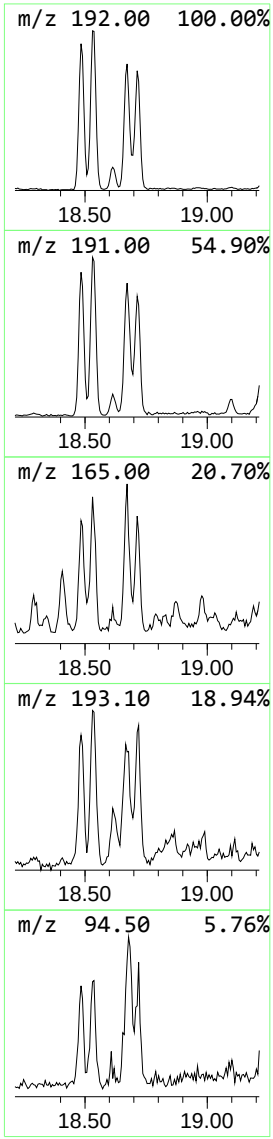
Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.713	4.34 ng	141071	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87





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Data File : BG050698.D
Acq On : 22 Oct 2021 21:01
Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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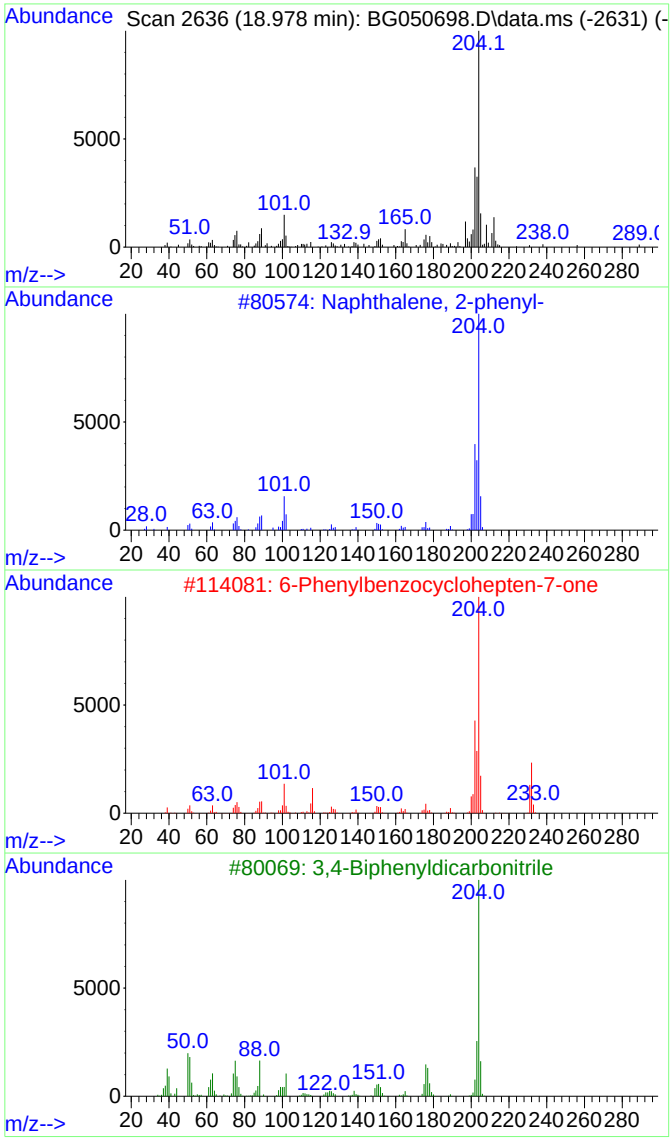
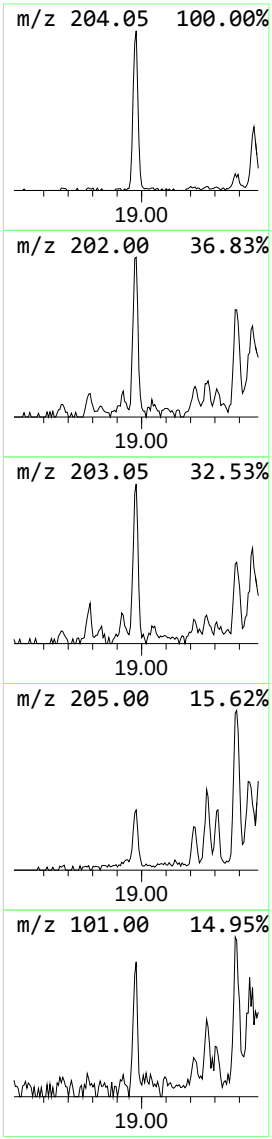
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.978	3.30 ng	107368	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	68
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	64
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64





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Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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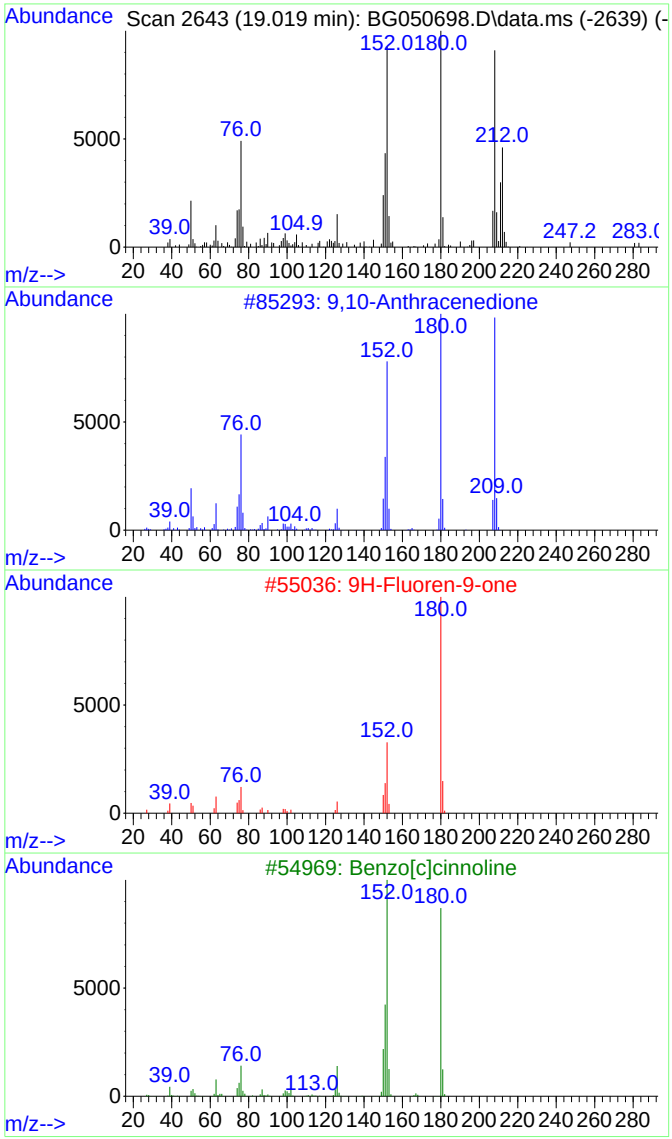
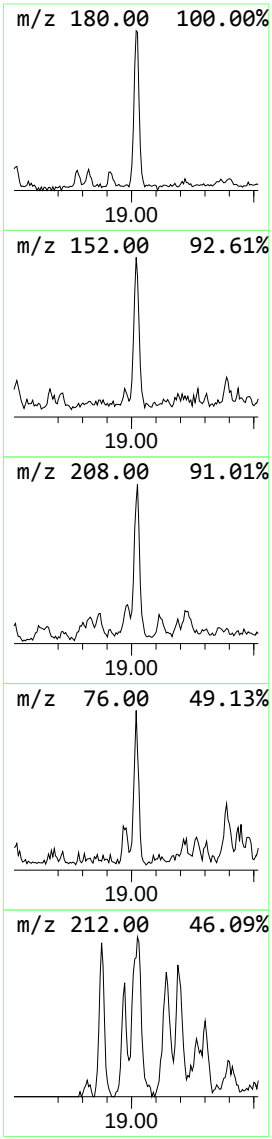
Peak Number 8 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.019	4.11 ng	133741	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	45





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Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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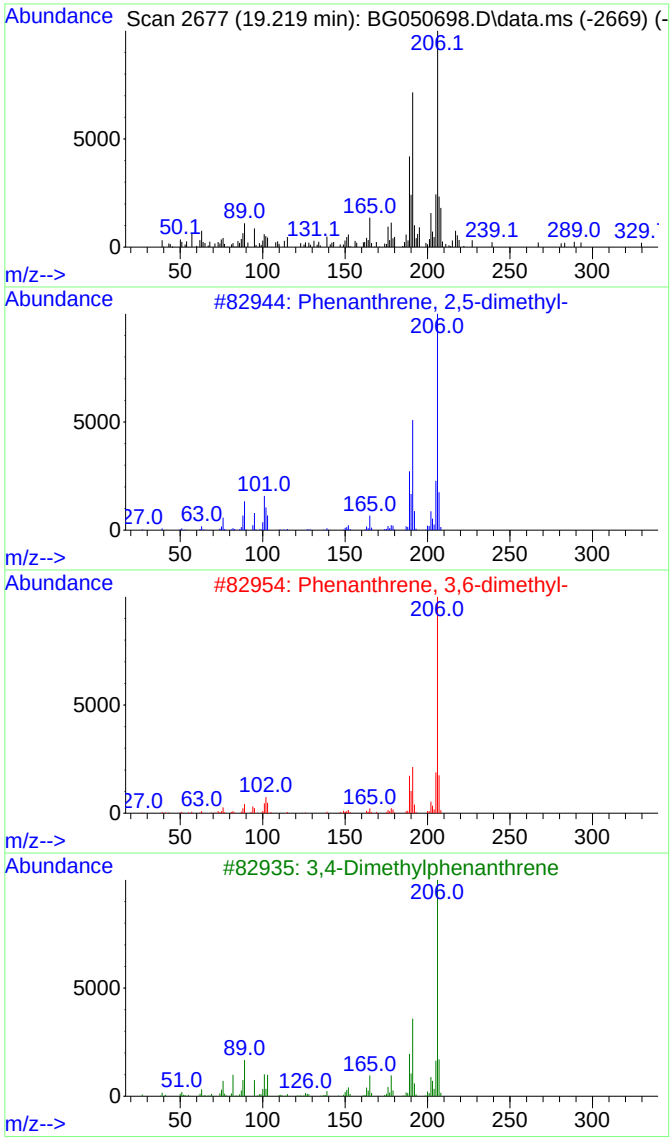
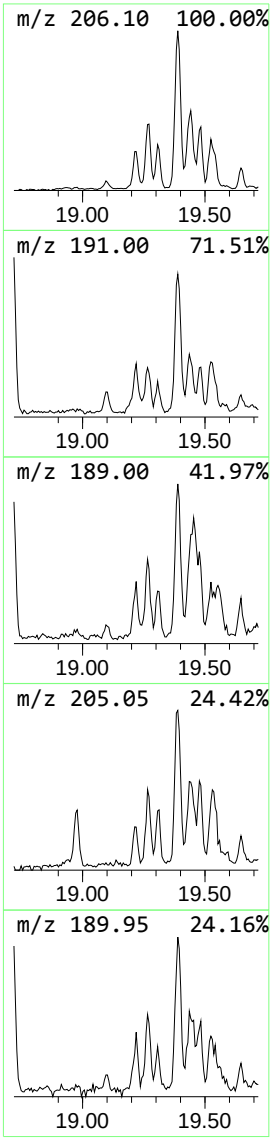
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.218	3.19 ng	103897	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	80





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Acq On : 22 Oct 2021 21:01
Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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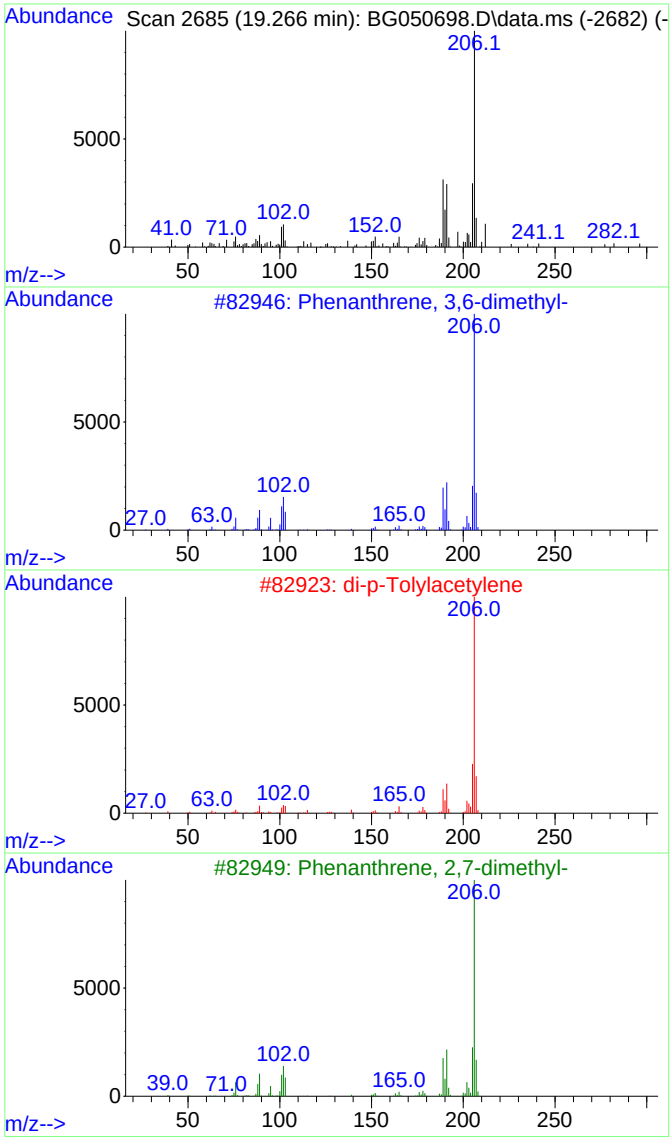
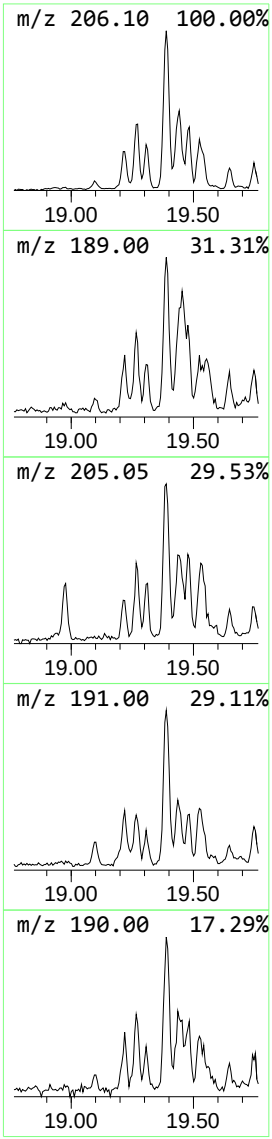
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.265	2.33 ng	75939	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	72





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Acq On : 22 Oct 2021 21:01
Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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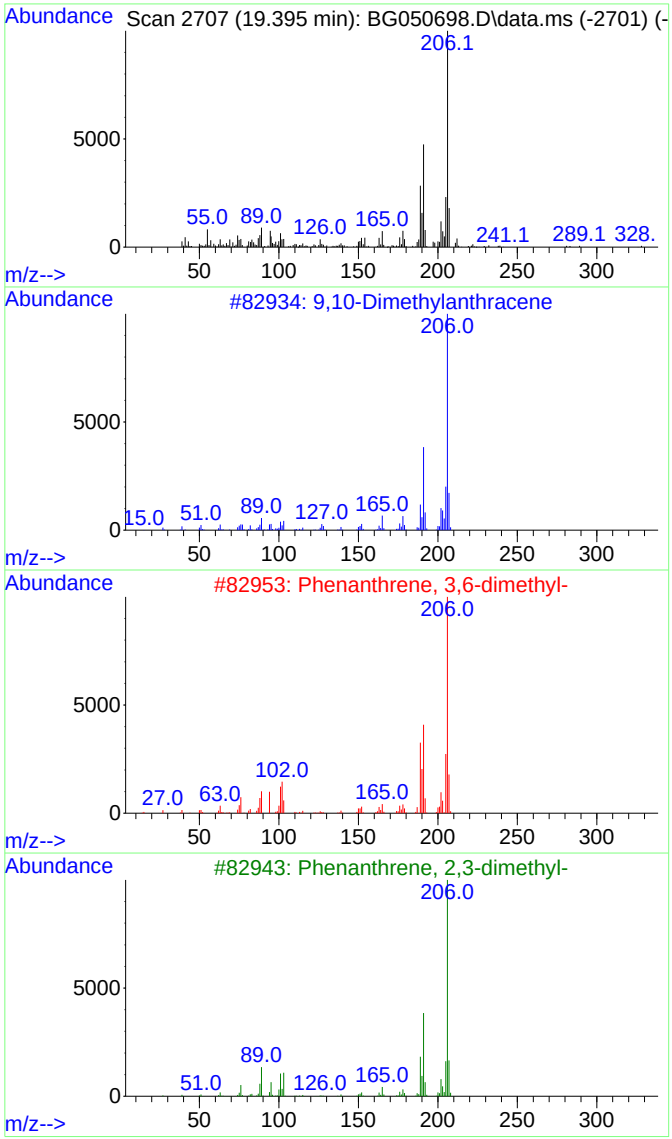
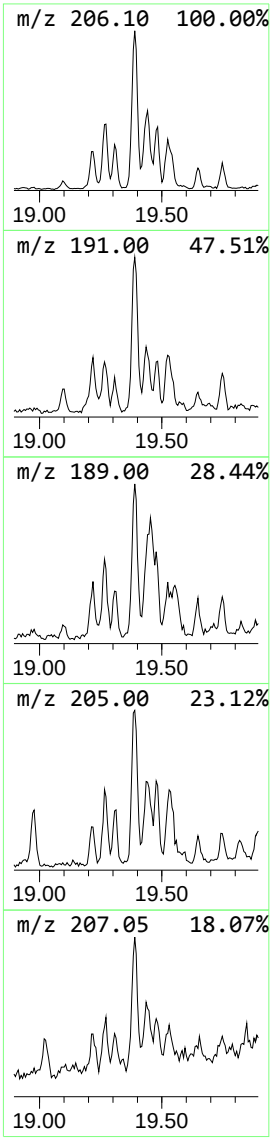
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.395	9.80 ng	318771	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Acq On : 22 Oct 2021 21:01
Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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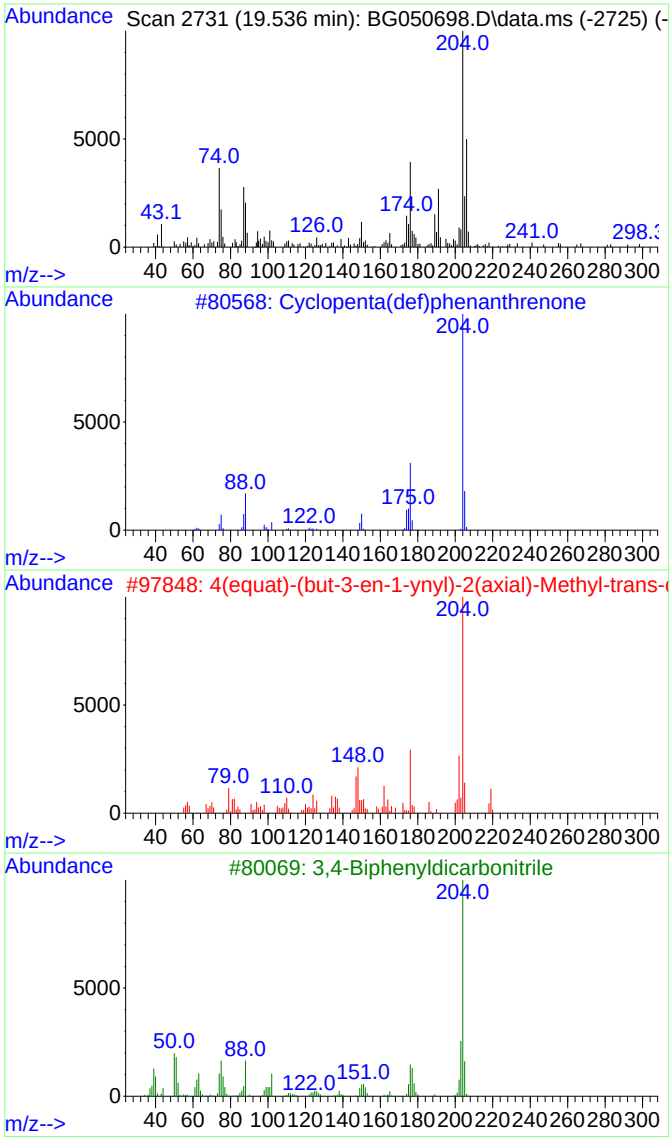
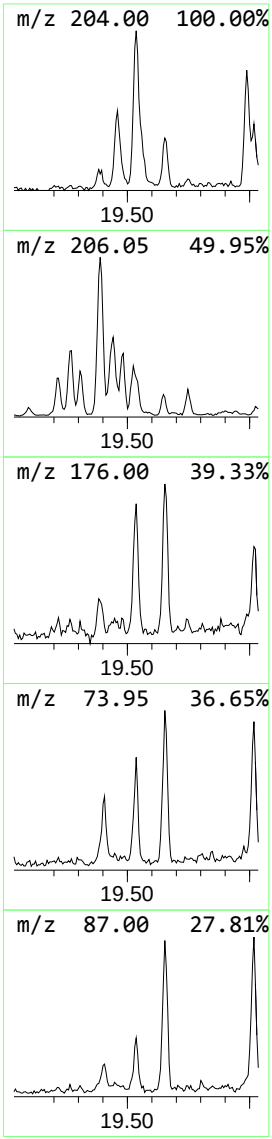
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.536	5.53 ng	179999	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	38
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
5	3-Chloro-[1,1'-biphenyl]-2-yl ac...	246	C14H11ClO2	007460-70-0	38





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Acq On : 22 Oct 2021 21:01
Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 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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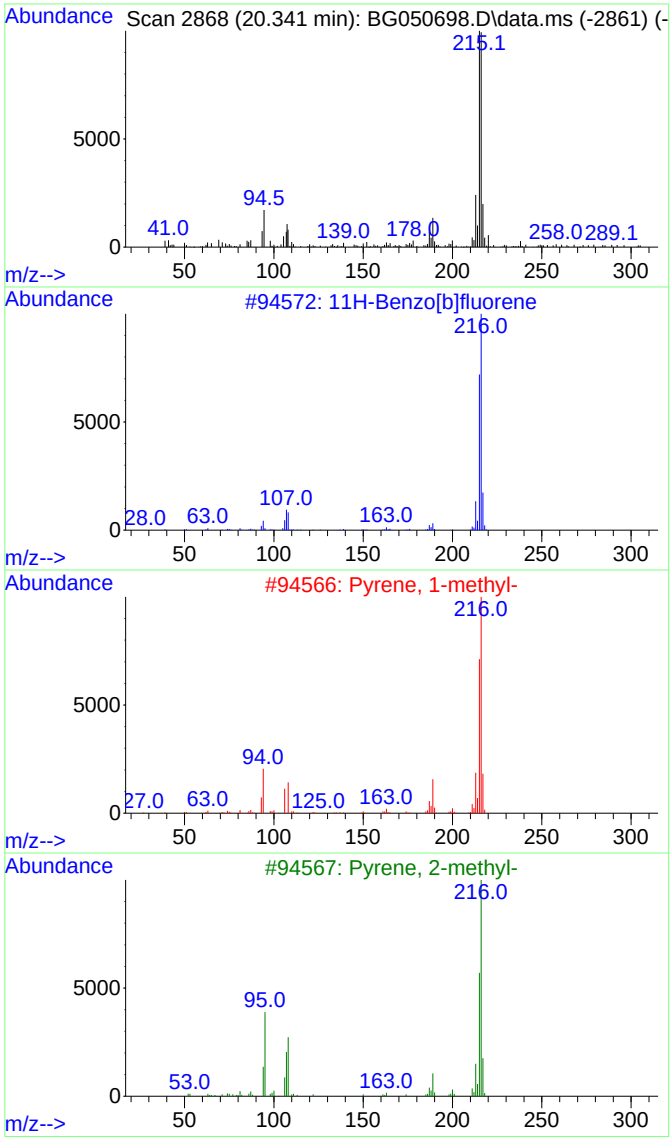
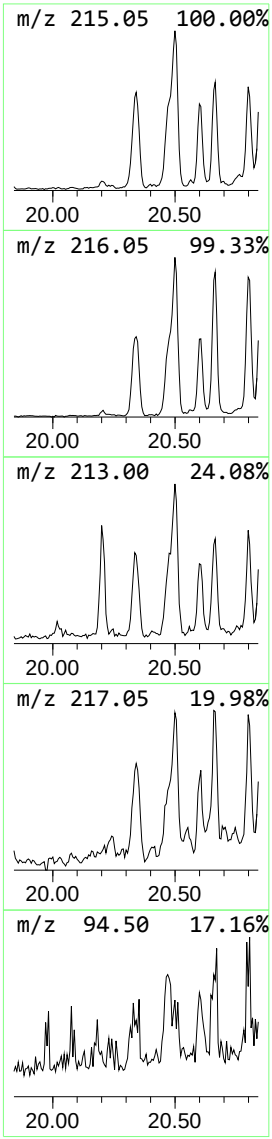
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.341	3.76 ng	220229	Chrysene-d12	21.915

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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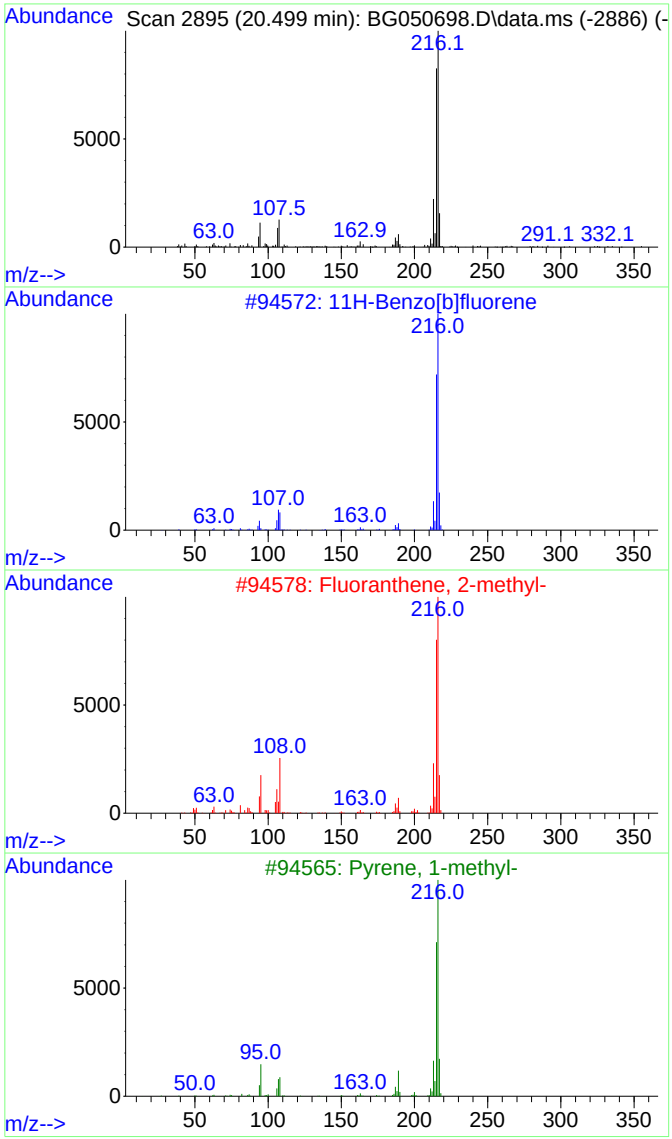
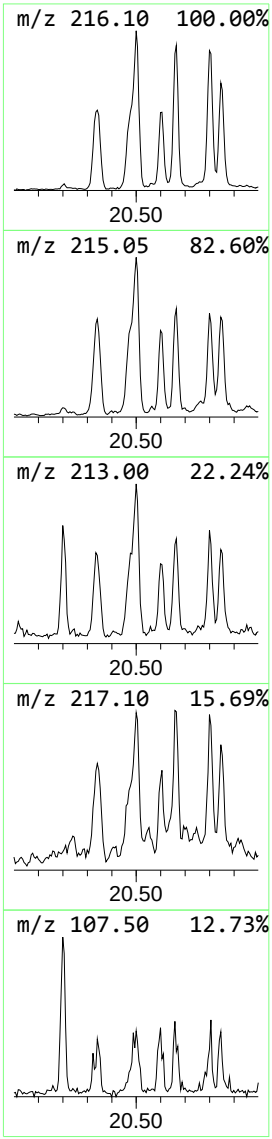
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.499	5.46 ng	319617	Chrysene-d12	21.915

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-FB-(1)

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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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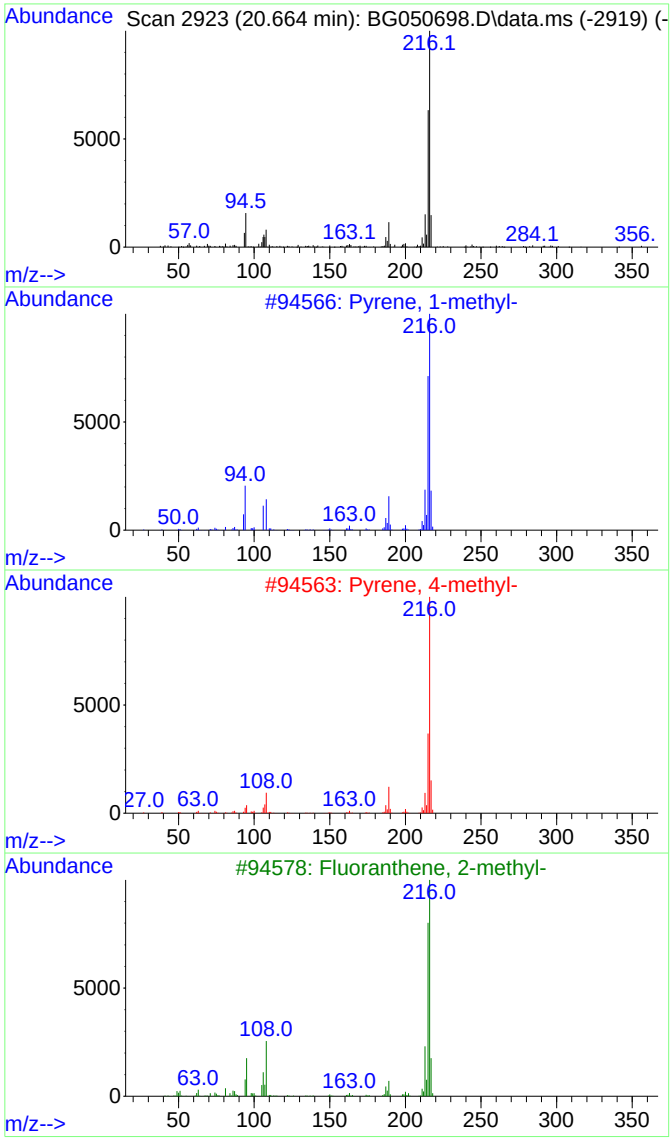
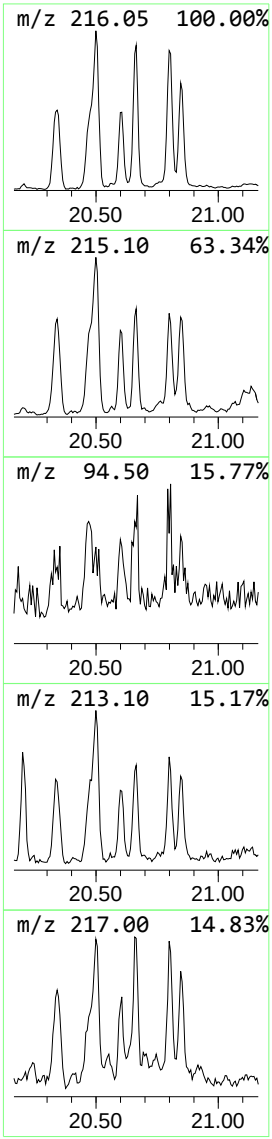
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.664	2.43 ng	142169	Chrysene-d12	21.915

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-FB-(1)

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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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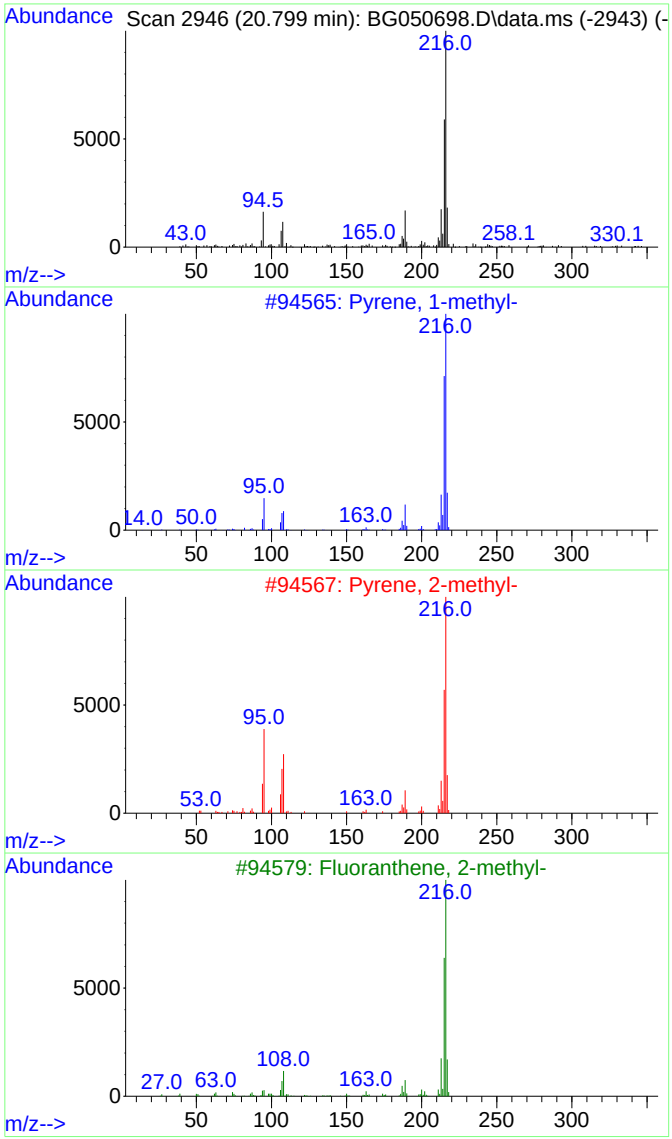
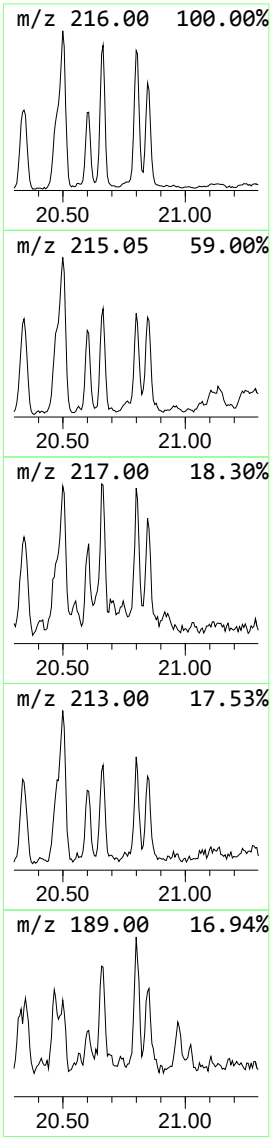
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.799	2.30 ng	134671	Chrysene-d12	21.915

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





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Sample : M4285-16
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ALS Vial : 10 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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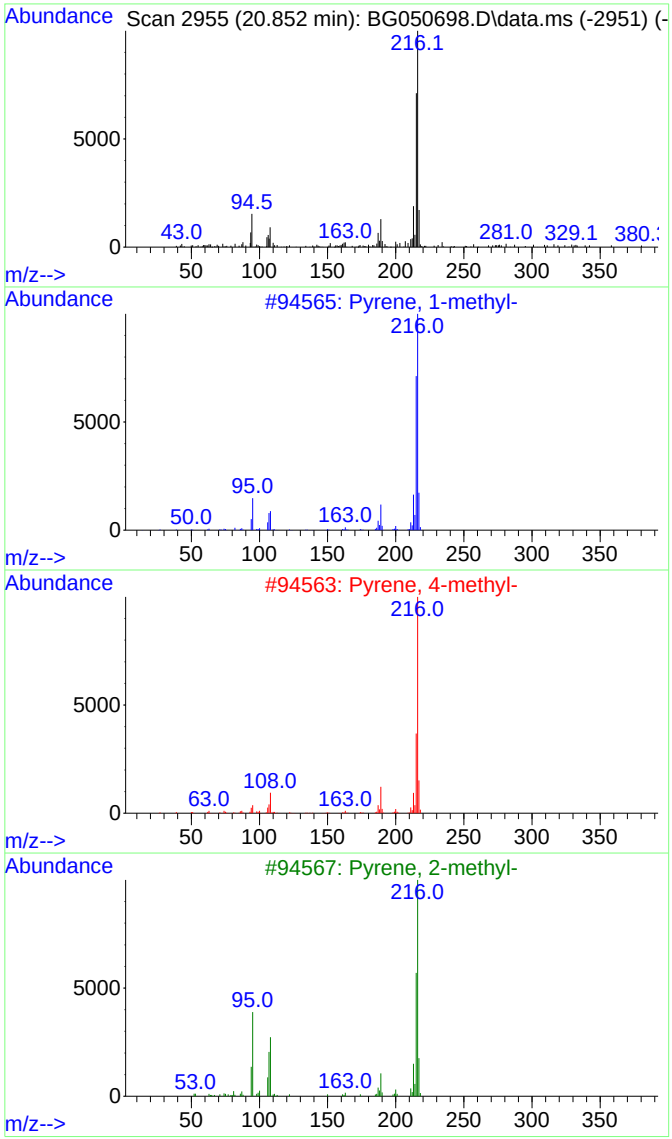
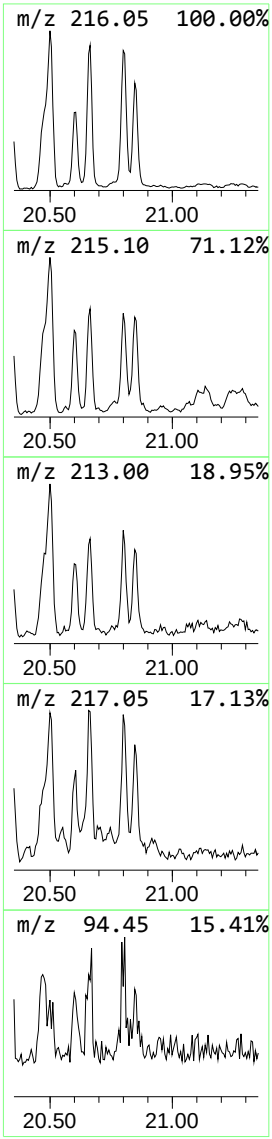
Peak Number 17 Pyrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.852	2.85 ng	167017	Chrysene-d12	21.915

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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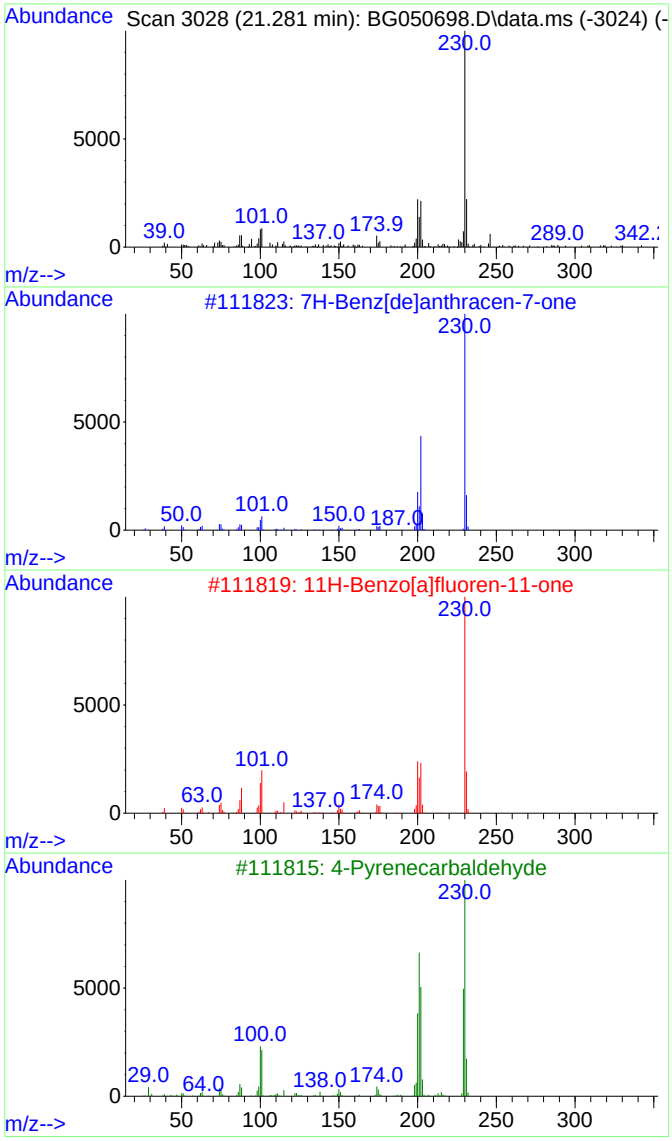
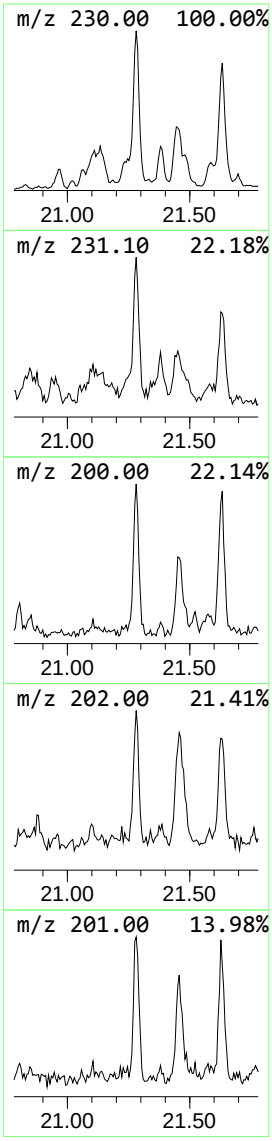
Peak Number 18 7H-Benz[de]anthracen-7-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.281	2.75 ng	160904	Chrysene-d12	21.915

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	76
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
4	8-Hydroxyquinoline-5-carbaldehyd...	245	C13H15NO2Si	1010463-63-7	59
5	5,7-Dimethyl-8-hydroxyquinoline,...	287	C17H25NOSi	1000463-41-6	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050698.D
Acq On : 22 Oct 2021 21:01
Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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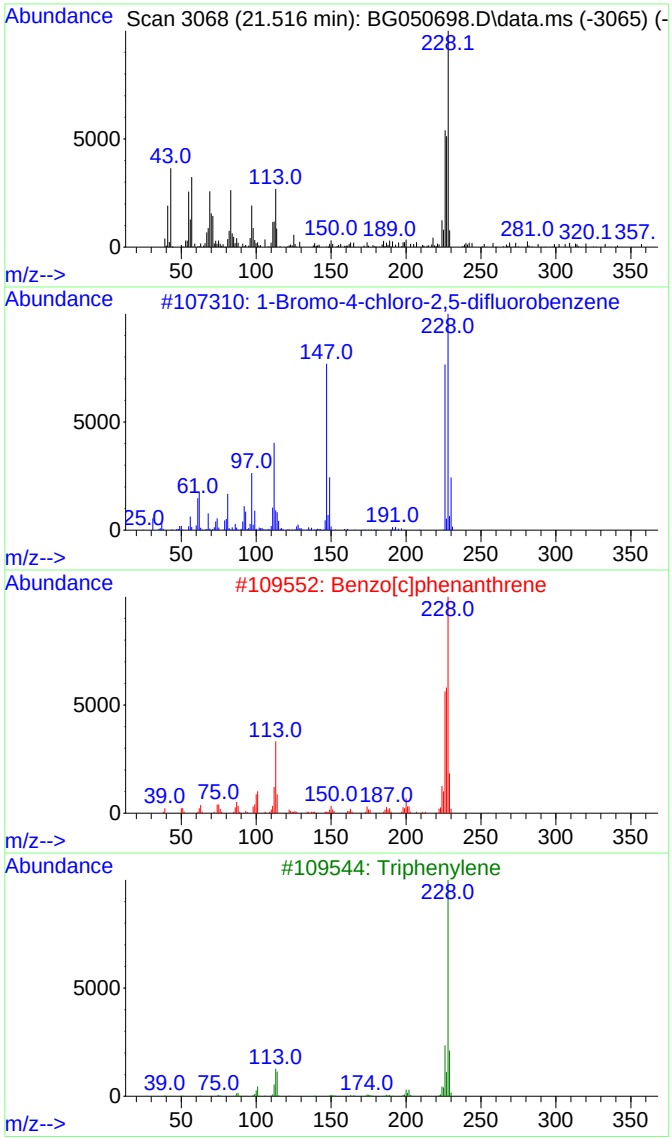
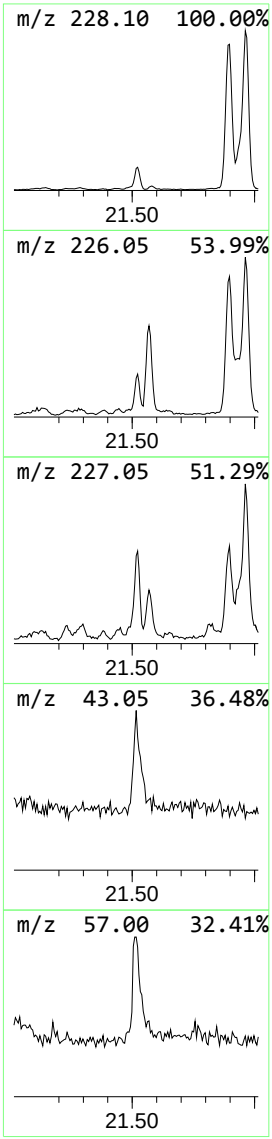
Peak Number 19 1-Bromo-4-chloro-2,5-difluo... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.516	2.13 ng	124560	Chrysene-d12	21.915

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Bromo-4-chloro-2,5-difluoroben...	226	C6H2BrClF2	172921-33-4	50
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
3	Triphenylene	228	C18H12	000217-59-4	38
4	5-Bromo-1-chloro-2,4-difluoroben...	226	C6H2BrClF2	914636-89-8	37
5	6-Bromo-1,2,3,4-tetrahydro-1,8-n...	226	C9H11BrN2	1000503-70-4	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050698.D
Acq On : 22 Oct 2021 21:01
Operator : CG/JU
Sample : M4285-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-FB-(1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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
Ethanol, 2-(2-b...	10.817	13.6	ng	314712	2	11.075	461911	20.0
1-Methyldibenzo...	18.196	2.3	ng	74485	4	17.615	650758	20.0
Phenanthrene, 4...	18.484	6.6	ng	214708	4	17.615	650758	20.0
Phenanthrene, 1...	18.531	7.4	ng	241103	4	17.615	650758	20.0
Anthracene, 1-m...	18.672	9.6	ng	310582	4	17.615	650758	20.0
1H-Indene, 2-ph...	18.713	4.3	ng	141071	4	17.615	650758	20.0
Naphthalene, 2-...	18.978	3.3	ng	107368	4	17.615	650758	20.0
9,10-Anthracene...	19.019	4.1	ng	133741	4	17.615	650758	20.0
Phenanthrene, 2...	19.218	3.2	ng	103897	4	17.615	650758	20.0
Phenanthrene, 3...	19.265	2.3	ng	75939	4	17.615	650758	20.0
9,10-Dimethylan...	19.395	9.8	ng	318771	4	17.615	650758	20.0
Cyclopenta(def)...	19.536	5.5	ng	179999	4	17.615	650758	20.0
11H-Benzo[b]flu...	20.341	3.8	ng	220229	5	21.915	1170900	20.0
Fluoranthene, 2...	20.499	5.5	ng	319617	5	21.915	1170900	20.0
Pyrene, 1-methyl-	20.664	2.4	ng	142169	5	21.915	1170900	20.0
Pyrene, 2-methyl-	20.799	2.3	ng	134671	5	21.915	1170900	20.0
Pyrene, 4-methyl-	20.852	2.9	ng	167017	5	21.915	1170900	20.0
7H-Benz[de]anth...	21.281	2.8	ng	160904	5	21.915	1170900	20.0
1-Bromo-4-chlor...	21.516	2.1	ng	124560	5	21.915	1170900	20.0