LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053300.D
Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

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-BG040822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG053300.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.678	384	390	400	rBV	251657	437421	4.87%	0.516%
2	7.270	653	661	671	rBV	269929	502721	5.60%	0.593%
3	8.110	797	804	812	rVB	145005	249107	2.78%	0.294%
4	9.273	995	1002	1017	rVB	181690	341086	3.80%	0.402%
5	10.924	1272	1283	1287	rBV	193395	369086	4.11%	0.436%
6	10.971	1287	1291	1301	rVB	295347	546940	6.09%	0.645%
7	12.569	1553	1563	1570	rBV	272511	471562	5.25%	0.556%
8	12.786	1588	1600	1608	rVB	249663	449784	5.01%	0.531%
9	13.356	1689	1697	1703	rBV	427423	679259	7.57%	0.802%
10	13.567	1727	1733	1739	rVB	69720	116987	1.30%	0.138%
11	13.767	1762	1767	1777	rVB	63610	139526	1.55%	0.165%
12	13.902	1780	1790	1799	rBV3	157314	427573	4.76%	0.505%
13	14.055	1809	1816	1821	rBV	253371	465593	5.19%	0.549%
14	14.114	1821	1826	1832	rVB	167948	264765	2.95%	0.312%
15	14.290	1851	1856	1860	rVV	126333	216715	2.41%	0.256%
16	14.460	1875	1885	1896	rBV	285014	544505	6.07%	0.643%
17	14.701	1921	1926	1928	rBV	93865	141302	1.57%	0.167%
18	14.736	1928	1932	1937	rVV	288601	450172	5.01%	0.531%
19	14.801	1937	1943	1950	rVB	851747	1356000	15.11%	1.600%
20	14.942	1960	1967	1976	rBV4	60325	159515	1.78%	0.188%
21	15.042	1976	1984	1989	rVV2	72722	164090	1.83%	0.194%
22	15.130	1992	1999	2006	rVB	659197	1083285	12.07%	1.278%
23	15.206	2006	2012	2017	rBV2	101423	155152	1.73%	0.183%
24	15.347	2029	2036	2041	rBV2	103586	202301	2.25%	0.239%
25	15.400	2041	2045	2050	rVB2	77487	113851	1.27%	0.134%
26	15.518	2058	2065	2069	rBV4	77748	181474	2.02%	0.214%
27	15.782	2103	2110	2120	rVB	1163317	1892407	21.08%	2.233%
28	15.906	2128	2131	2134	rVV3	94362	140072	1.56%	0.165%
29	15.941	2134	2137	2142	rVB2	135623	182595	2.03%	0.215%
30	16.070	2155	2159	2167	rVB	224388	390672	4.35%	0.461%
31	16.223	2176	2185	2192	rVB	541884	990918	11.04%	1.169%
32	16.452	2217	2224	2229	rVB3	118810	208162	2.32%	0.246%
33	16.781	2273	2280	2285	rBV2	205354	395484	4.41%	0.467%
34	16.834	2285	2289	2295	rVB2	116027	162287	1.81%	0.192%
35	16.934	2302	2306	2311	rVB	140576	208188	2.32%	0.246%
36	17.010	2311	2319	2322	rBV5	105635	245786	2.74%	0.290%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053300.D
Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

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-BG040822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.051	2323	2326	2330	rVB3	76670	116411	1.30%	0.137%
38	17.133	2337	2340	2346	rVB5	51668	90815	1.01%	0.107%
39	17.210	2349	2353	2359	rVV2	109072	204536	2.28%	0.241%
40	17.304	2364	2369	2377	rVB	316628	557664	6.21%	0.658%
41	17.486	2394	2400	2402	rBV	273312	434866	4.84%	0.513%
42	17.539	2402	2409	2415	rVV	4225944	7365333	82.05%	8.691%
43	17.621	2417	2423	2428	rVV	1422418	2146068	23.91%	2.532%
44	17.674	2428	2432	2437	rVB	163115	267364	2.98%	0.316%
45	17.756	2443	2446	2455	rVB4	45253	100053	1.11%	0.118%
46	17.885	2463	2468	2477	rBV	409596	699634	7.79%	0.826%
47	17.997	2484	2487	2491	rVB	98622	117217	1.31%	0.138%
48	18.061	2496	2498	2505	rVB3	100687	158699	1.77%	0.187%
49	18.361	2544	2549	2553	rBV	533304	819394	9.13%	0.967%
50	18.408	2553	2557	2563	rVB	720653	1097182	12.22%	1.295%
51	18.490	2566	2571	2576	rBV	312370	496221	5.53%	0.586%
52	18.561	2576	2583	2587	rBV3	1257485	2393805	26.67%	2.825%
53	18.849	2628	2632	2637	rBV	400827	566346	6.31%	0.668%
54	18.901	2637	2641	2649	rVB3	120633	202763	2.26%	0.239%
55	19.148	2680	2683	2686	rBV	107437	110016	1.23%	0.130%
56	19.266	2699	2703	2709	rBV	316797	574343	6.40%	0.678%
57	19.336	2712	2715	2718	rVV3	118386	161771	1.80%	0.191%
58	19.418	2725	2729	2737	rBV3	188740	422184	4.70%	0.498%
59	19.554	2743	2752	2756	rBV	4914710	8499907	94.69%	10.030%
60	19.595	2756	2759	2762	rVV3	116949	155003	1.73%	0.183%
61	19.630	2762	2765	2769	rVV	158585	206860	2.30%	0.244%
62	19.683	2771	2774	2778	rVB	182384	255930	2.85%	0.302%
63	19.783	2786	2791	2795	rBV	203730	350750	3.91%	0.414%
64	19.912	2802	2813	2819	rBV2	4229380	8976804	100.00%	10.593%
65	19.965	2819	2822	2828	rVB3	285100	444098	4.95%	0.524%
66	20.082	2836	2842	2847	rVB2	679483	1068164	11.90%	1.260%
67	20.223	2859	2866	2871	rBV2	373702	941377	10.49%	1.111%
68	20.388	2883	2894	2899	rVB	1108313	2119978	23.62%	2.502%
69	20.488	2907	2911	2915	rBV	1011464	1366008	15.22%	1.612%
70	20.546	2919	2921	2925	rVB	420108	535218	5.96%	0.632%
71	20.687	2941	2945	2949	rBV	353606	509220	5.67%	0.601%
72	20.734	2949	2953	2962	rVB	383422	683567	7.61%	0.807%
73	21.110	3014	3017	3022	rBV3	144842	222244	2.48%	0.262%
74	21.345	3053	3057	3061	rBV	334688	543789	6.06%	0.642%
75	21.386	3061	3064	3069	rVB	433644	608573	6.78%	0.718%
76	21.439	3069	3073	3078	rBV2	420350	665221	7.41%	0.785%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053300.D
Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

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-BG040822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.768	3122	3129	3134	rBV2	2273791	4657158	51.88%	5.496%
78	21.833	3135	3140	3151	rVB	2021154	3986176	44.41%	4.704%
79	21.986	3161	3166	3172	rBV	508344	827085	9.21%	0.976%
80	22.191	3197	3201	3209	rVB2	296916	549123	6.12%	0.648%
81	24.071	3509	3521	3527	rBV2	1291407	4977447	55.45%	5.874%
82	24.312	3557	3562	3571	rVB	330692	800250	8.91%	0.944%
83	24.805	3638	3646	3660	rVB	775396	2564153	28.56%	3.026%
84	24.976	3663	3675	3686	rVB	1293345	4079777	45.45%	4.814%

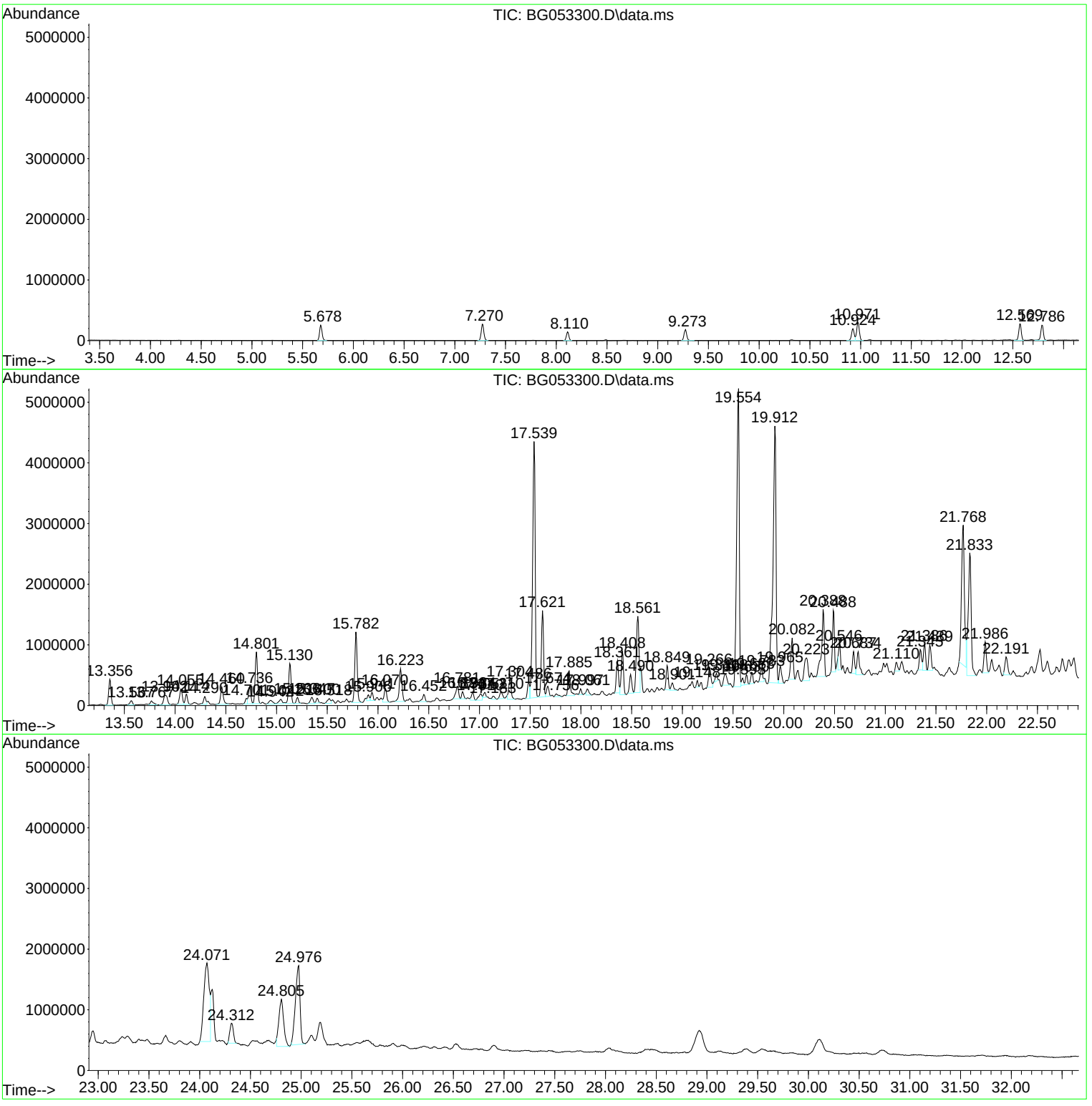
Sum of corrected areas: 84742908

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053300.D
Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.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\BG042322\
Data File : BG053300.D
Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

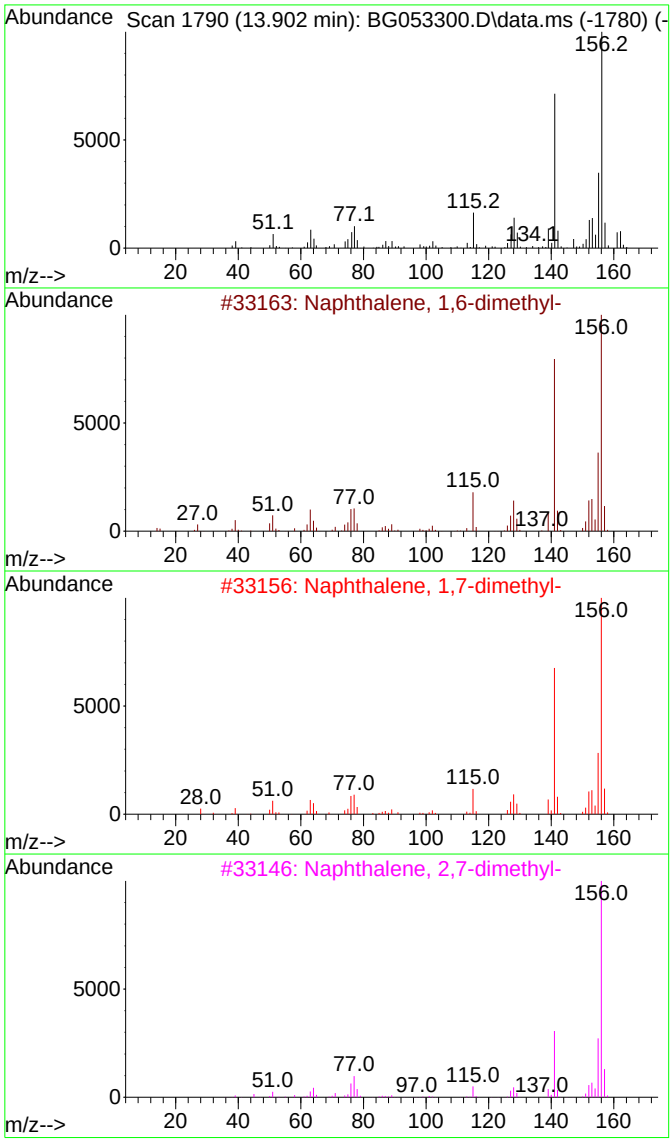
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

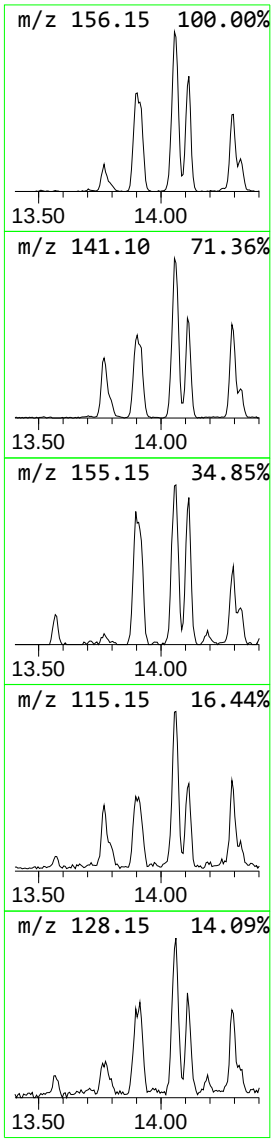
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.902	19.00 ng	427573	Acenaphthene-d10	14.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053300.D
Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

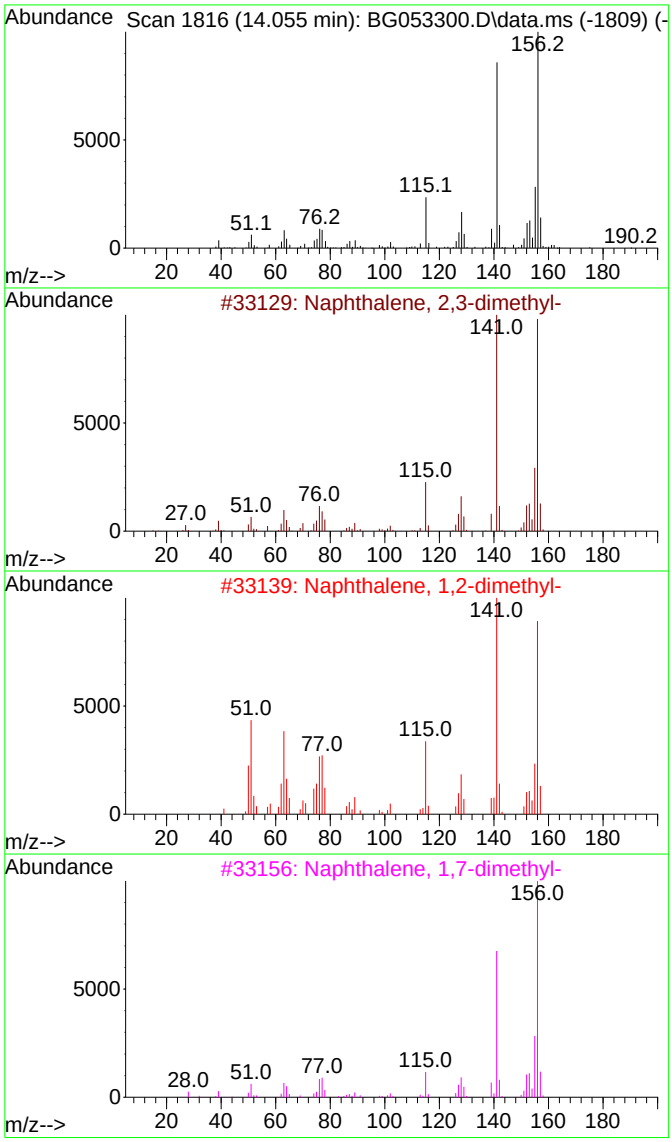
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

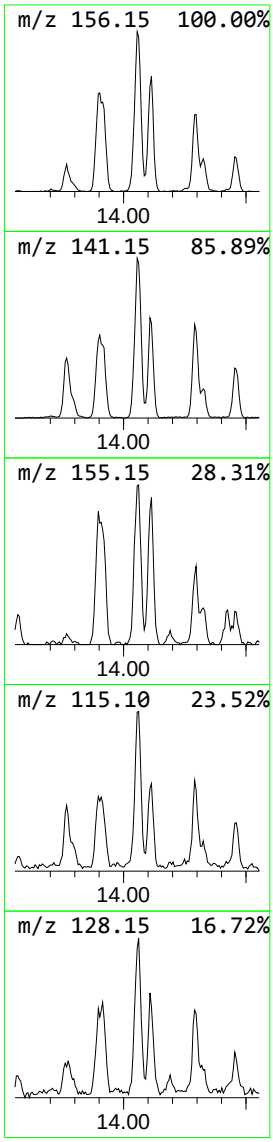
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.055	20.69 ng	465593	Acenaphthene-d10	14.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053300.D
Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

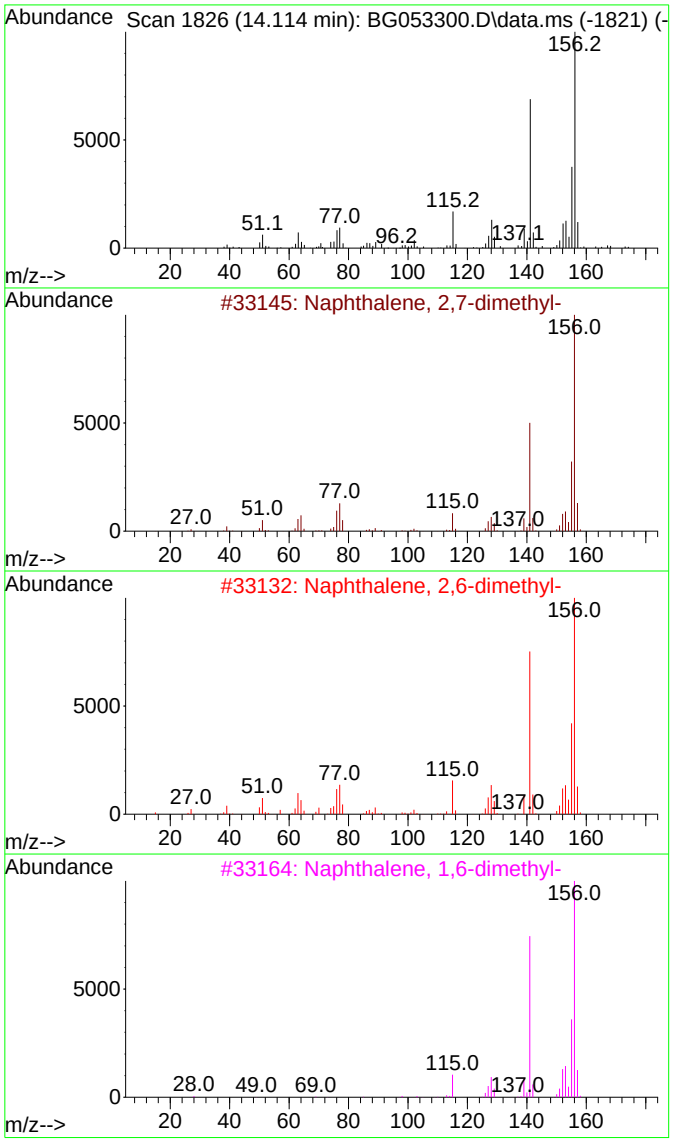
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

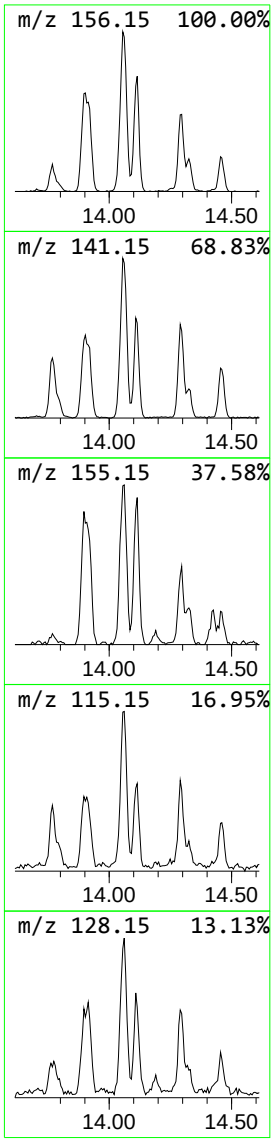
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.114	11.76 ng	264765	Acenaphthene-d10	14.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053300.D
Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

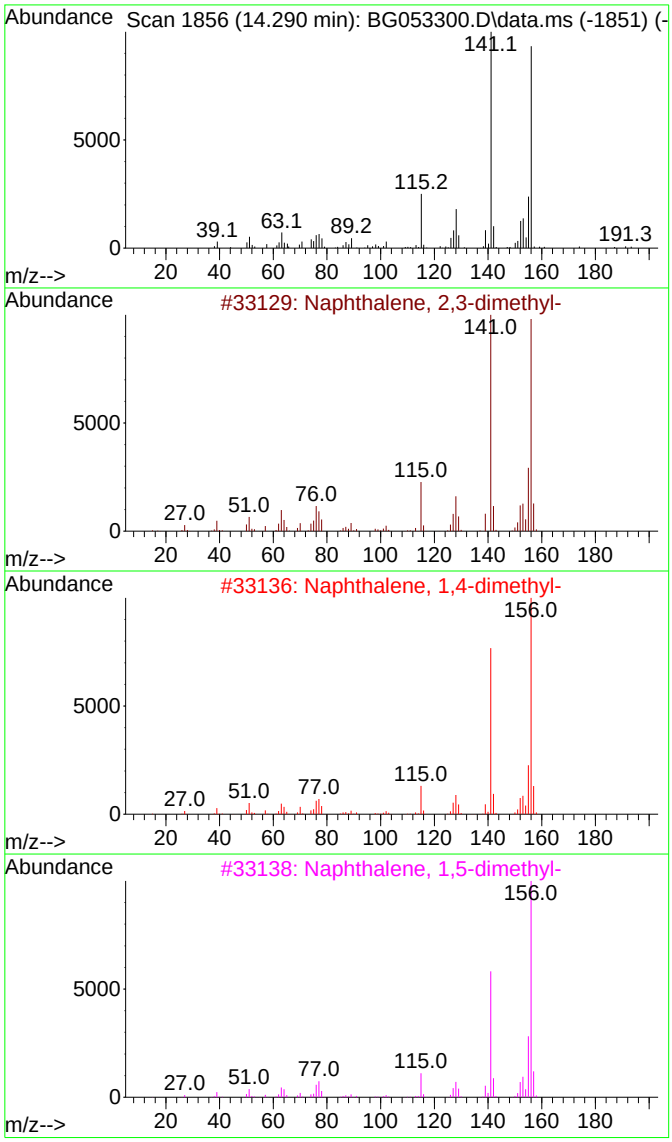
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

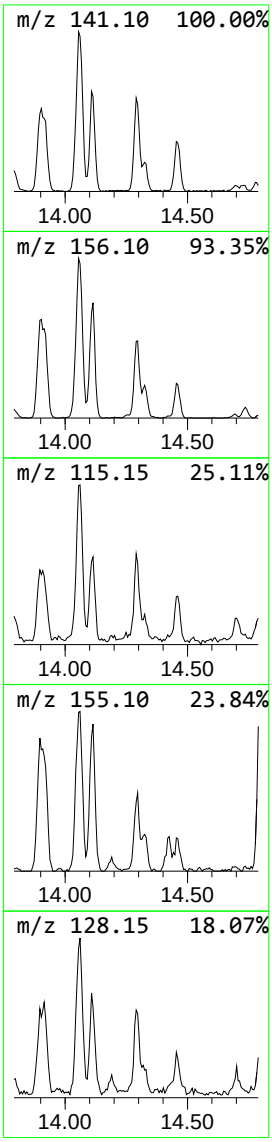
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.290	9.63 ng	216715	Acenaphthene-d10	14.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053300.D
Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

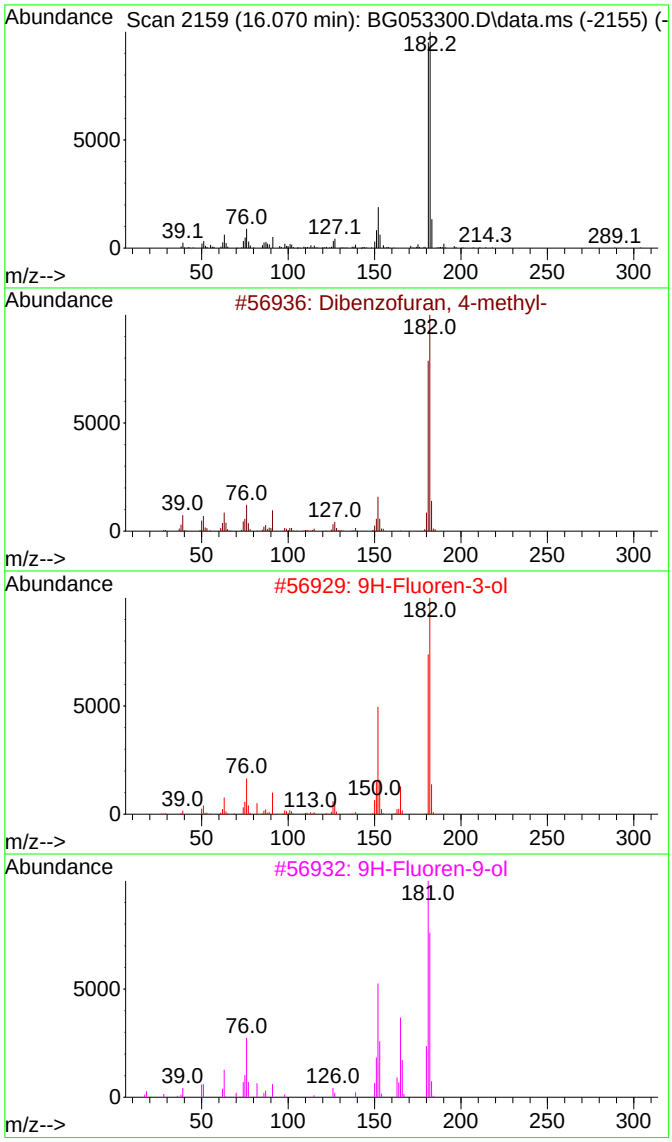
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

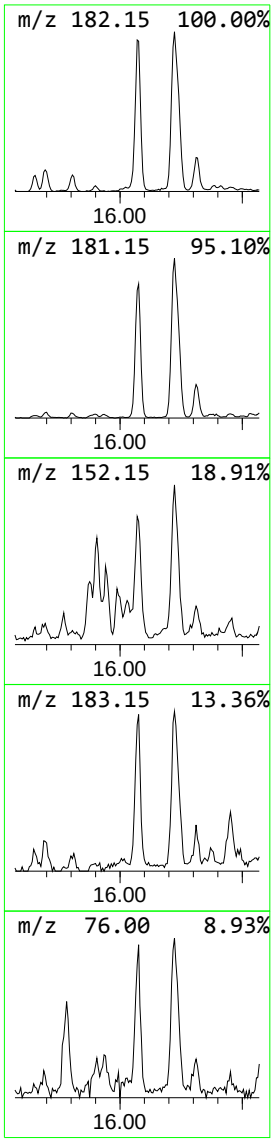
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.070	17.36 ng	390672	Acenaphthene-d10	14.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	80
5	Norharmane, N-methyl-	182	C12H10N2	1010374-78-6	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053300.D
Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

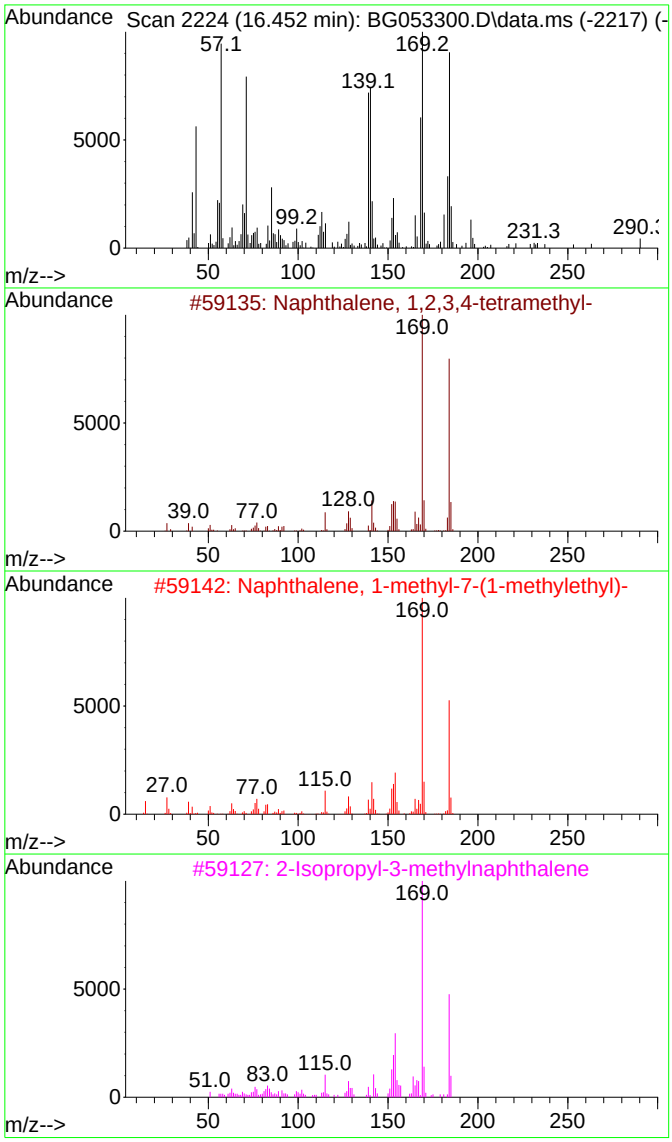
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

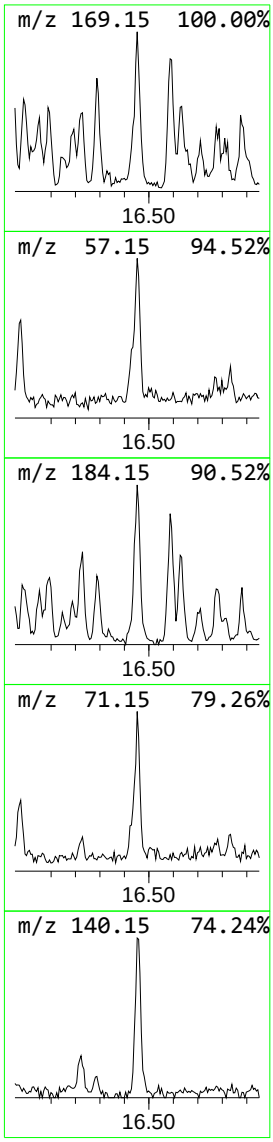
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 1,2,3,4-tetram... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.452	9.57 ng	208162	Phenanthrene-d10	17.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	56
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	46
3	2-Isopropyl-3-methylnaphthalene	184	C14H16	1000383-71-2	42
4	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	42
5	1,6-Dimethyl- 3-ethylnaphthalene	184	C14H16	1000383-71-8	42





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Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.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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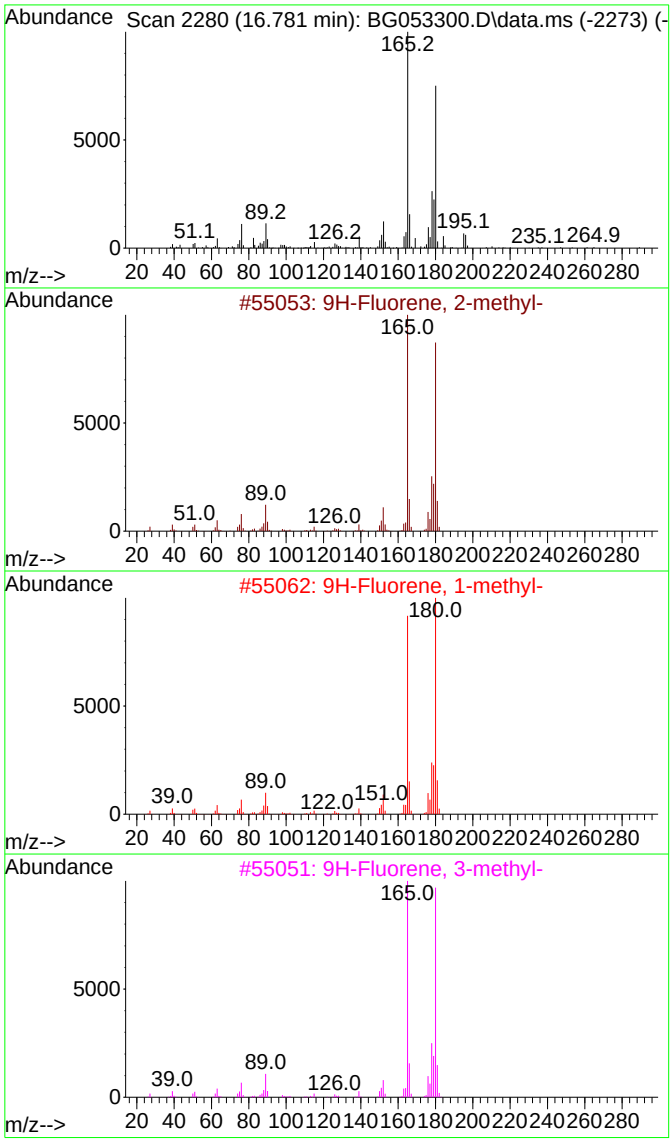
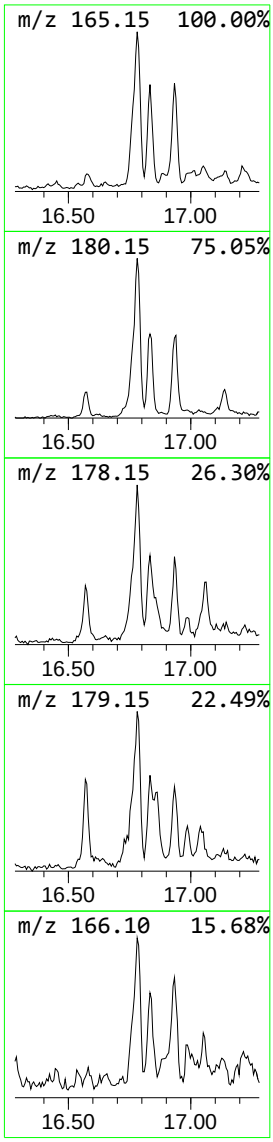
Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.781	18.19 ng	395484	Phenanthrene-d10	17.486

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	81
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	81
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





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Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-03-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.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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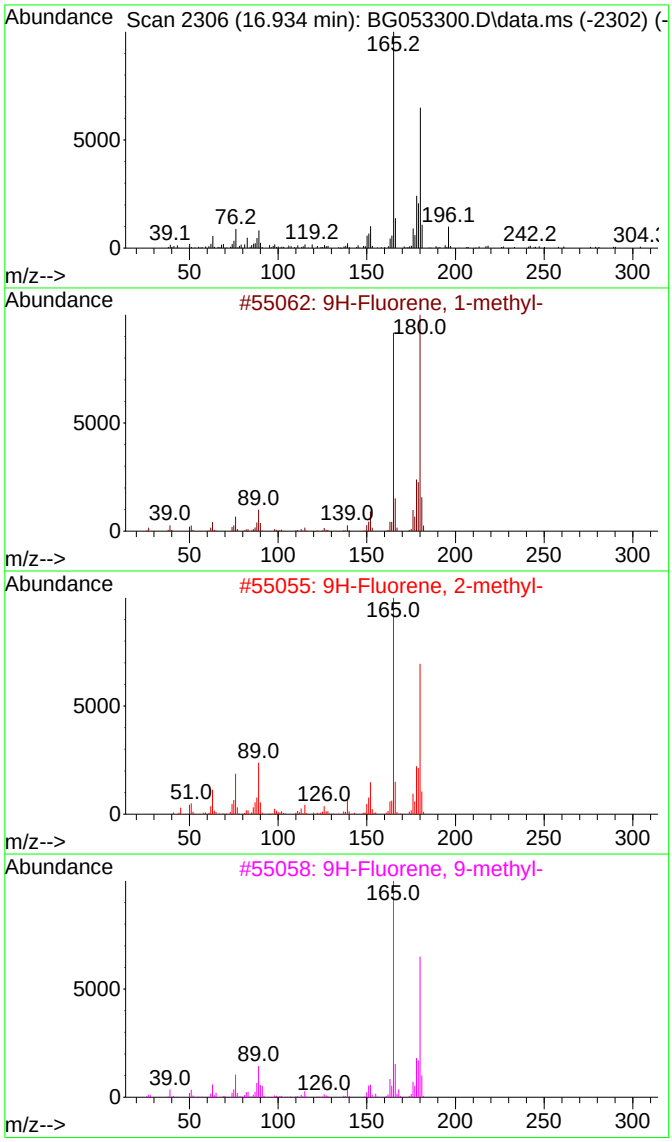
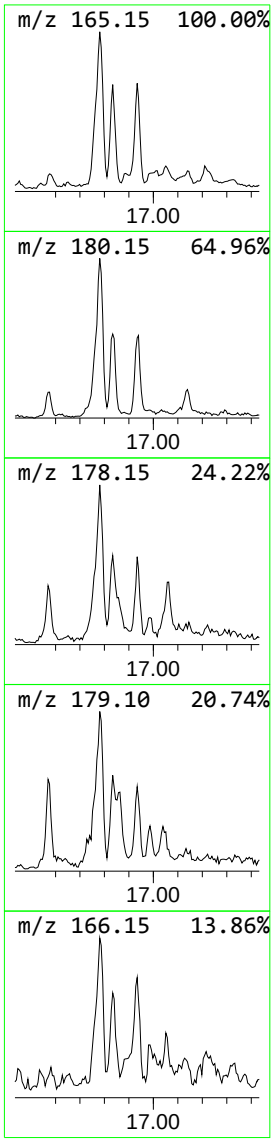
Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.933	9.57 ng	208188	Phenanthrene-d10	17.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
5	(E)-Stilbene	180	C14H12	000103-30-0	58





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Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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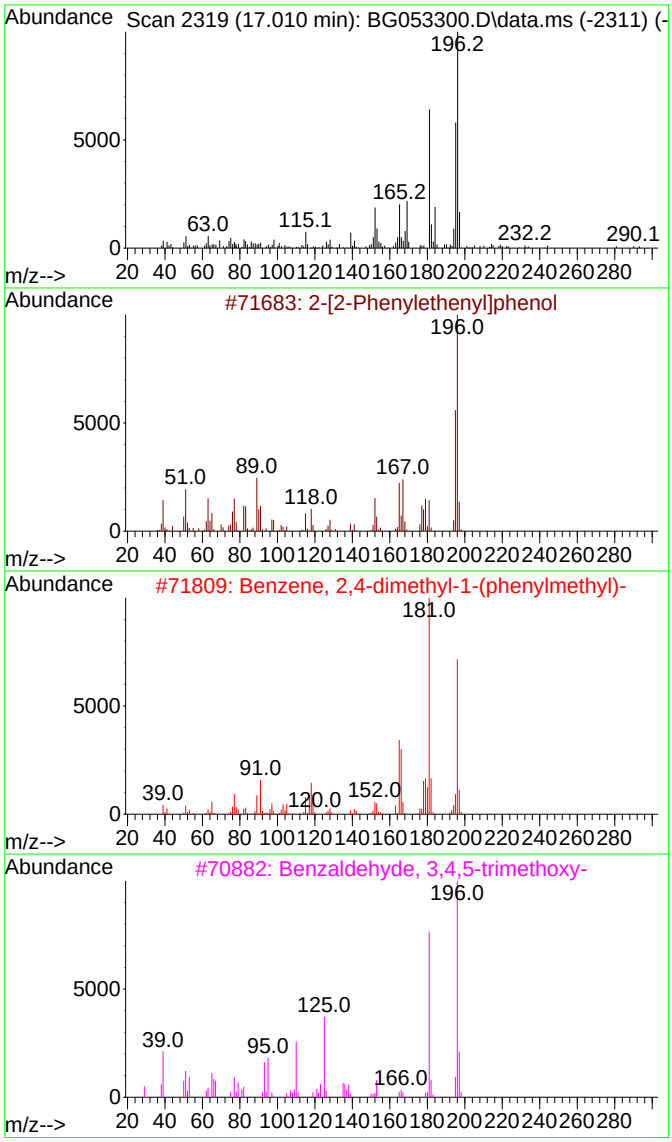
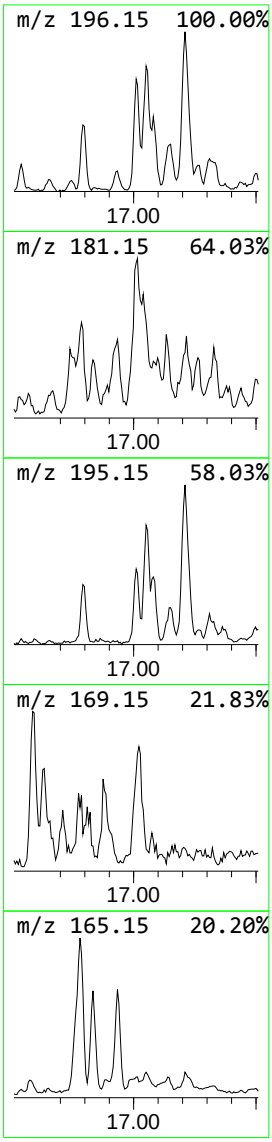
Peak Number 9 2-[2-Phenylethenyl]phenol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.010	11.30 ng	245786	Phenanthrene-d10	17.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	70
2	Benzene, 2,4-dimethyl-1-(phenylm...	196	C15H16	028122-28-3	50
3	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	49
4	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	49
5	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	49





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Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.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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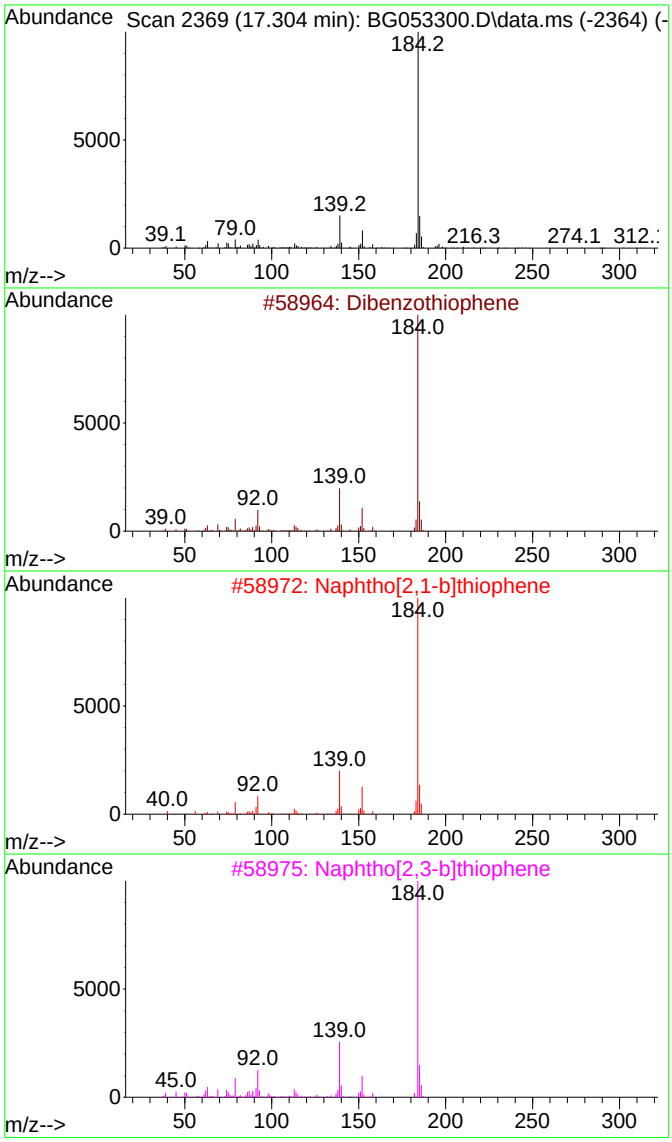
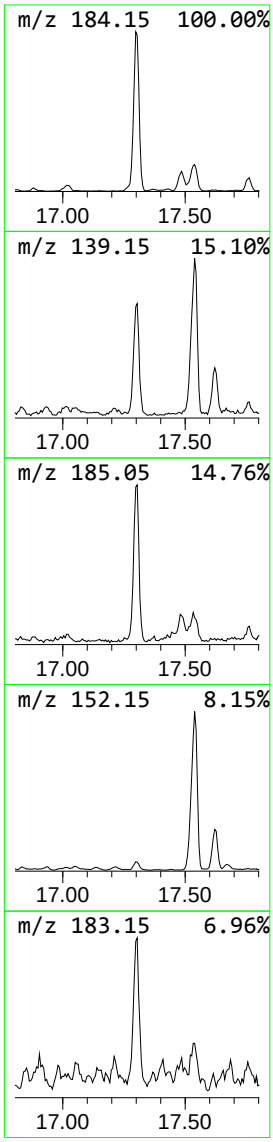
Peak Number 10 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.304	25.65 ng	557664	Phenanthrene-d10	17.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-03-041922

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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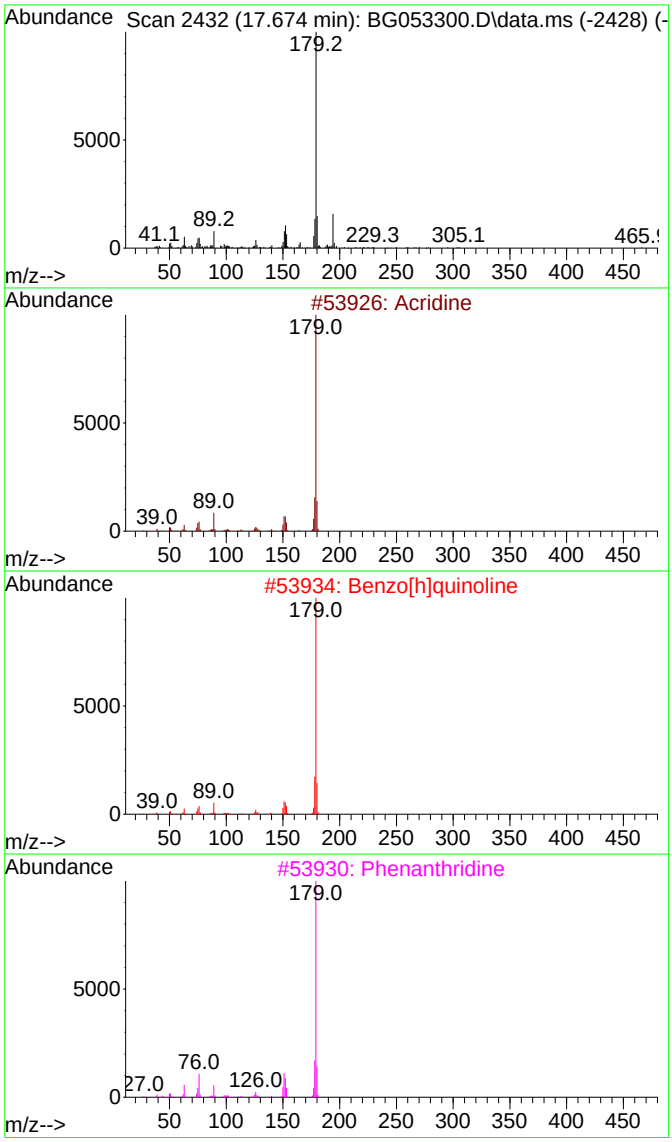
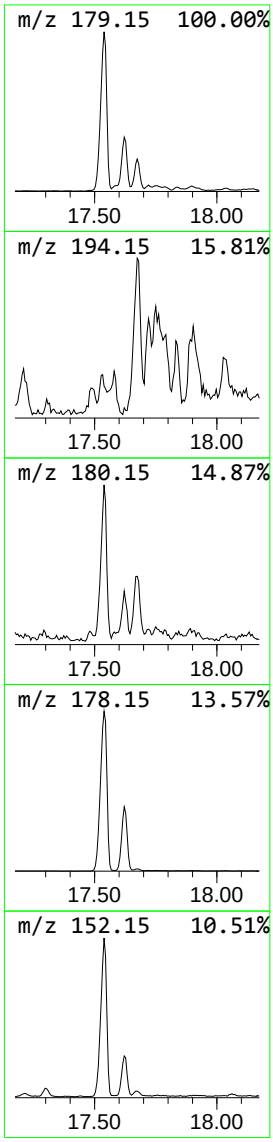
Peak Number 11 Acridine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.674	12.30 ng	267364	Phenanthrene-d10	17.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	94
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	90
3	Phenanthridine	179	C13H9N	000229-87-8	90
4	pyridine, 4-(2-phenylethynyl)-	179	C13H9N	1000404-81-1	87
5	9H-Fluoren-9-imine	179	C13H9N	004440-33-9	83





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Sample : N2476-05 2X
Misc :
ALS Vial : 16 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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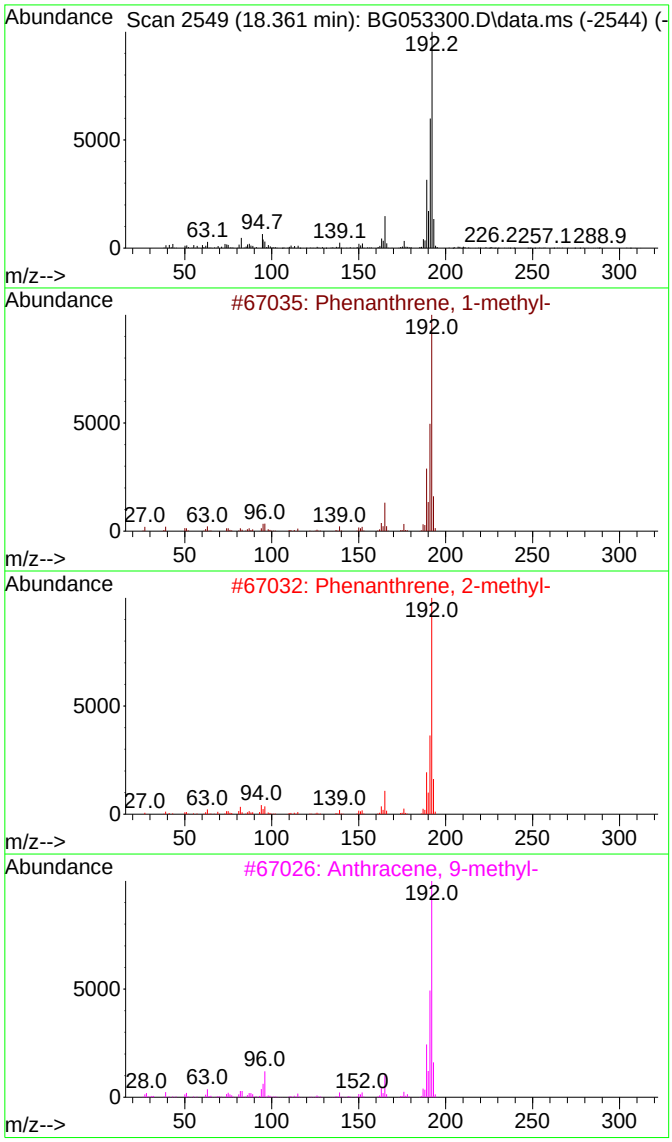
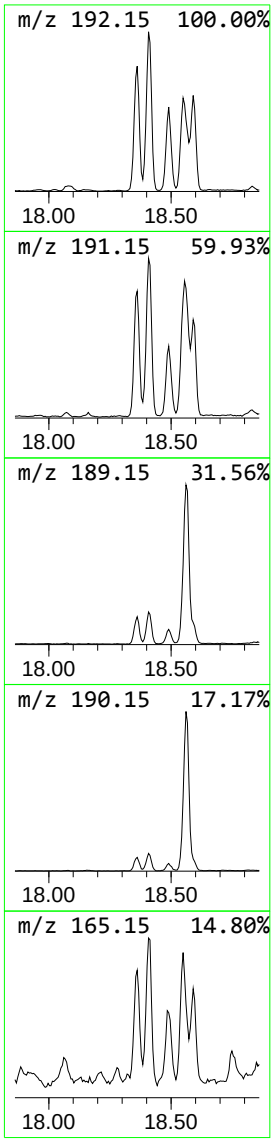
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.361	37.68 ng	819394	Phenanthrene-d10	17.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-03-041922

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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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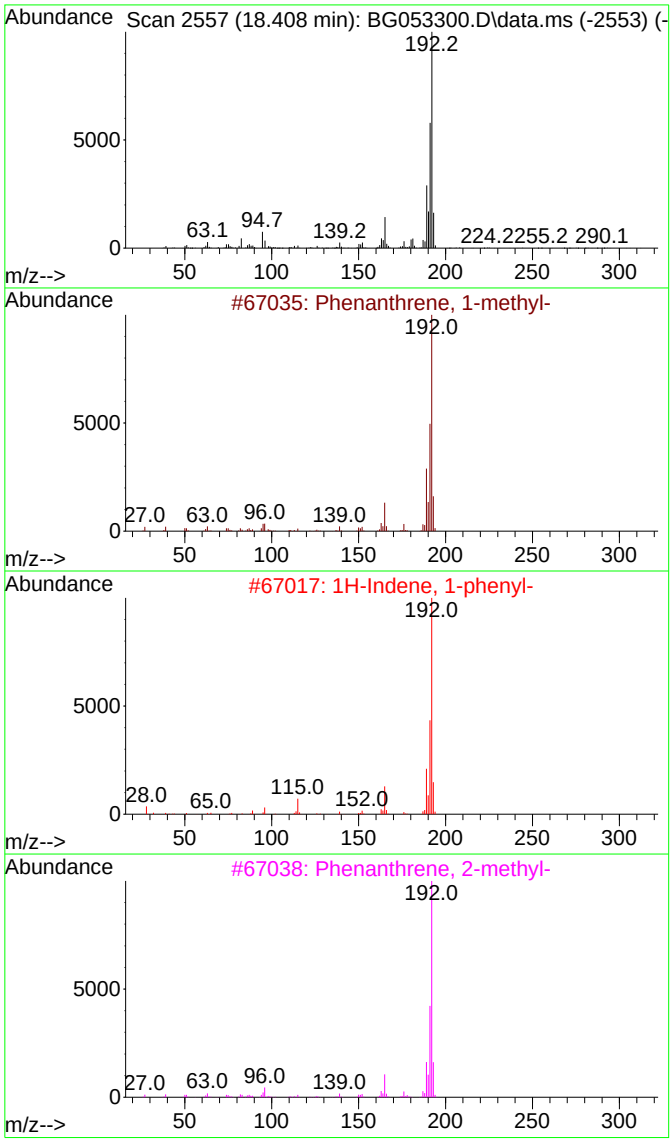
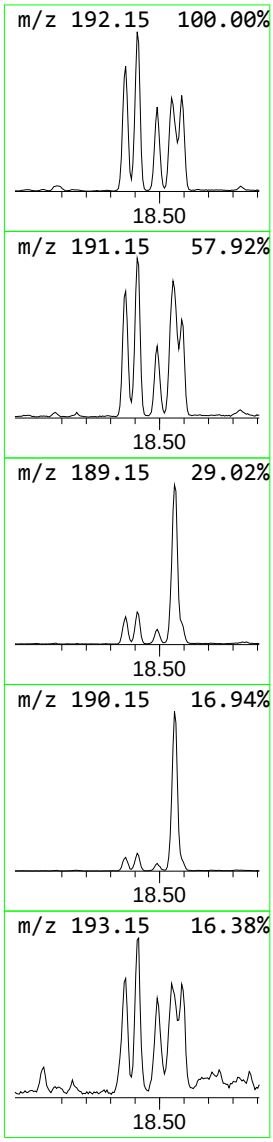
Peak Number 13 1H-Indene, 1-phenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.408	50.46 ng	1097180	Phenanthrene-d10	17.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-03-041922

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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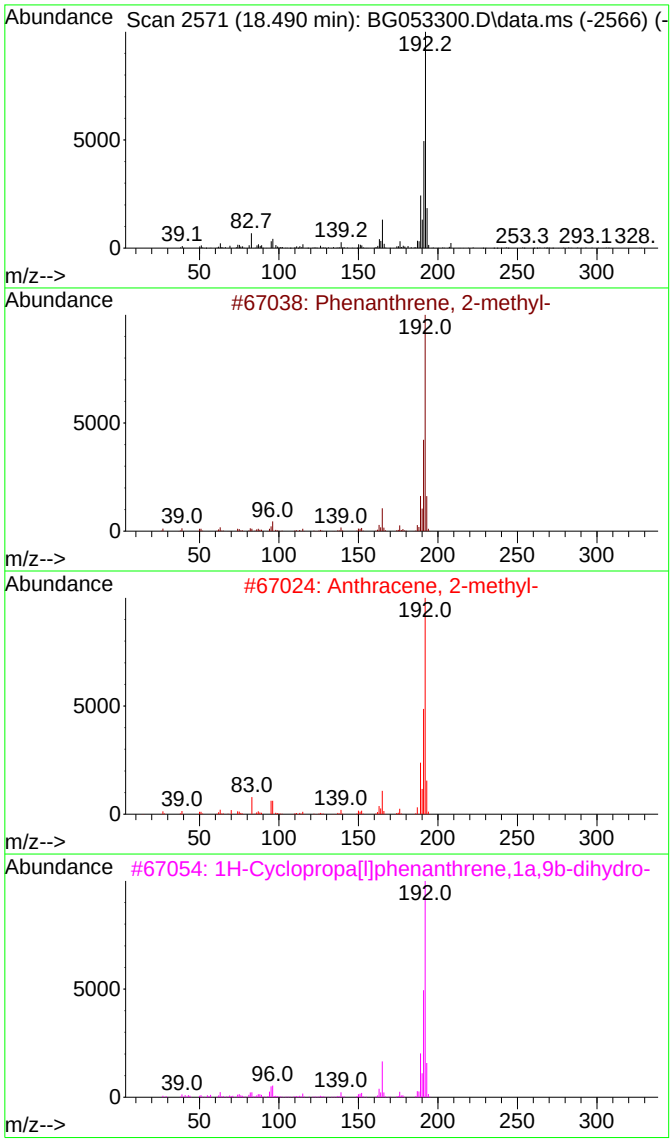
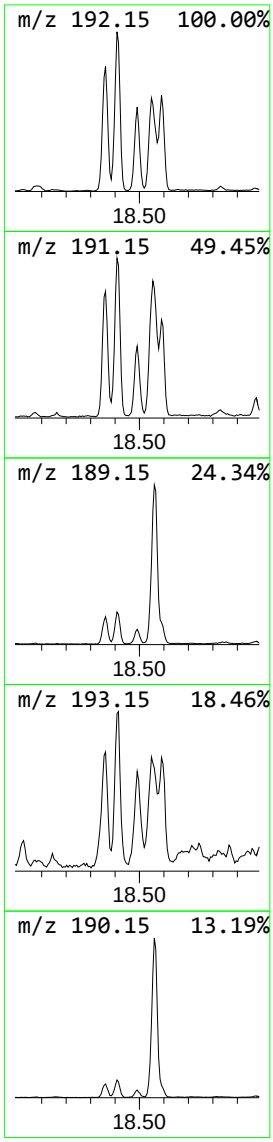
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.490	22.82 ng	496221	Phenanthrene-d10	17.486

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	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

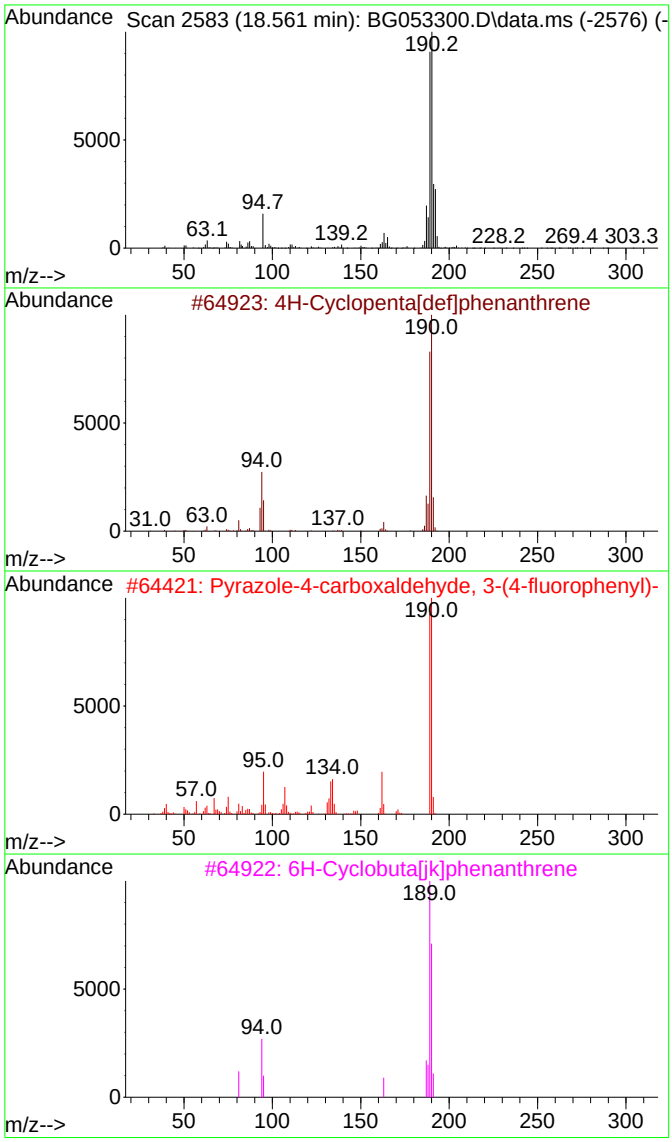
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

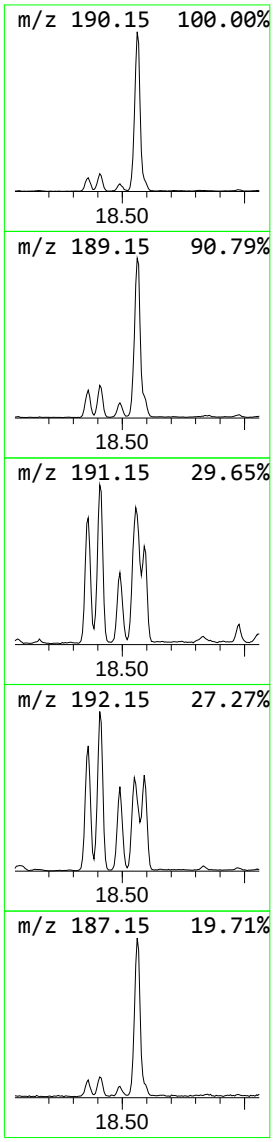
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.561	110.09 ng	2393810	Phenanthrene-d10	17.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId :
PAT-03-041922

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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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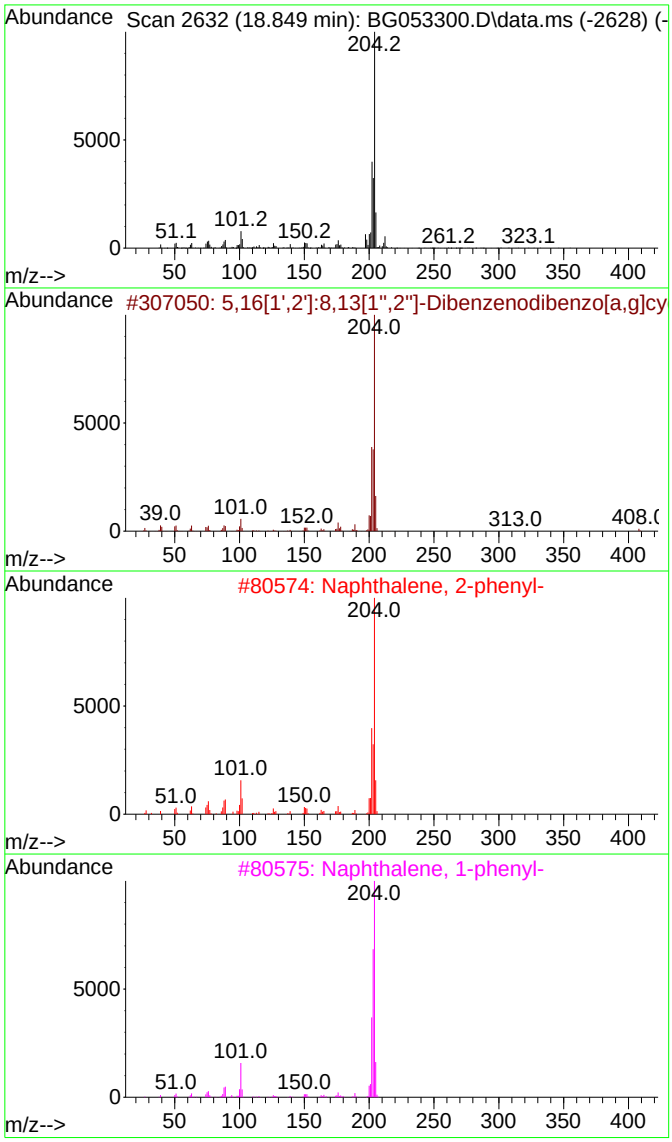
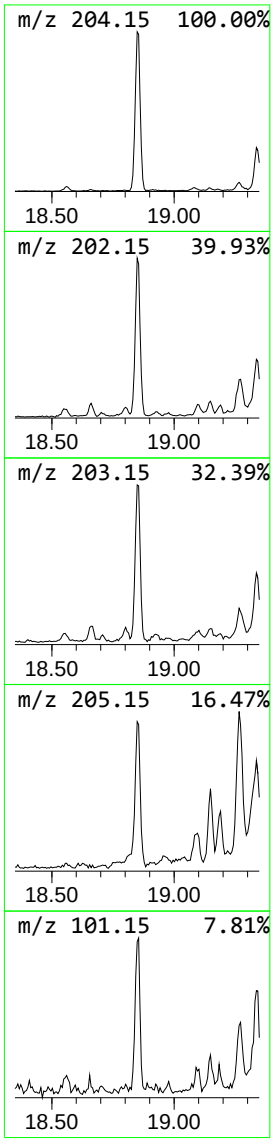
Peak Number 16 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.849	26.05 ng	566346	Phenanthrene-d10	17.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-03-041922

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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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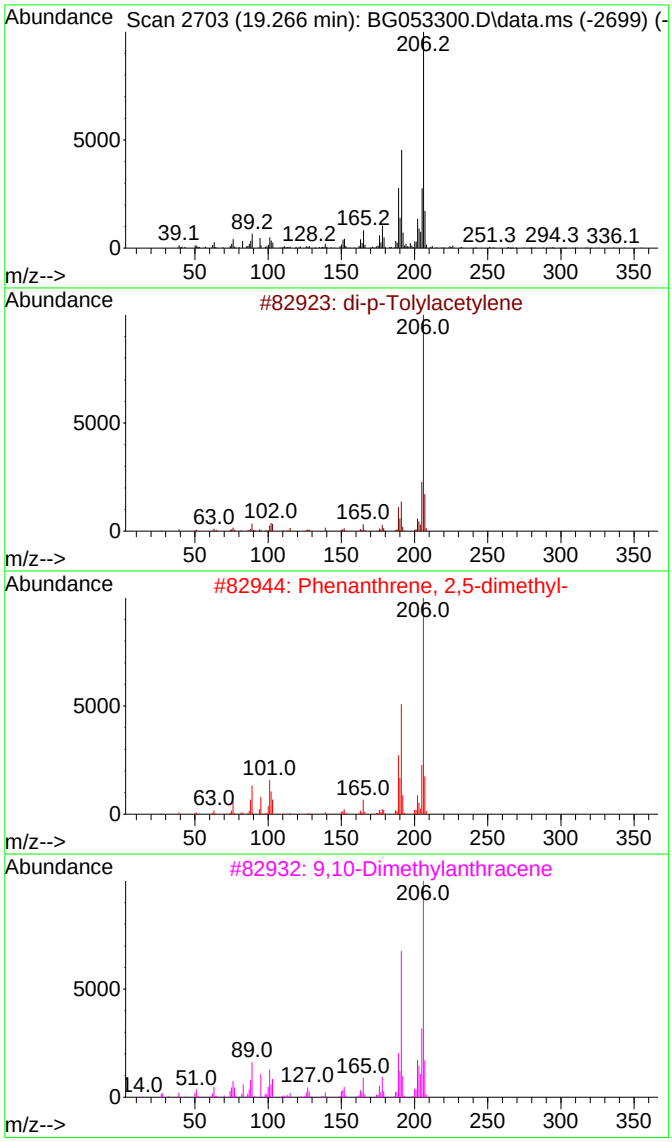
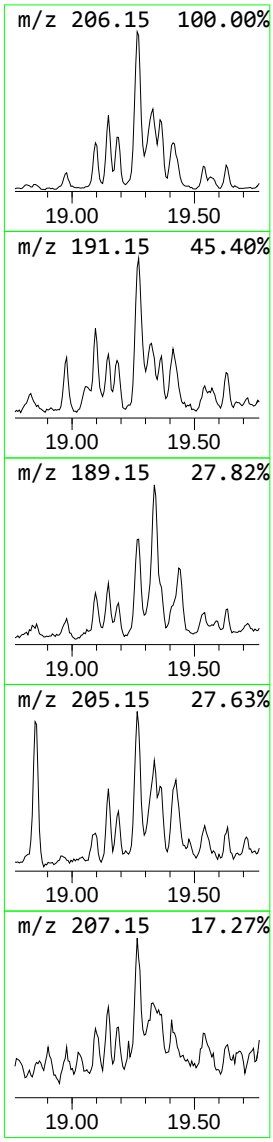
Peak Number 17 di-p-Tolylacetylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.266	26.41 ng	574343	Phenanthrene-d10	17.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053300.D
Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.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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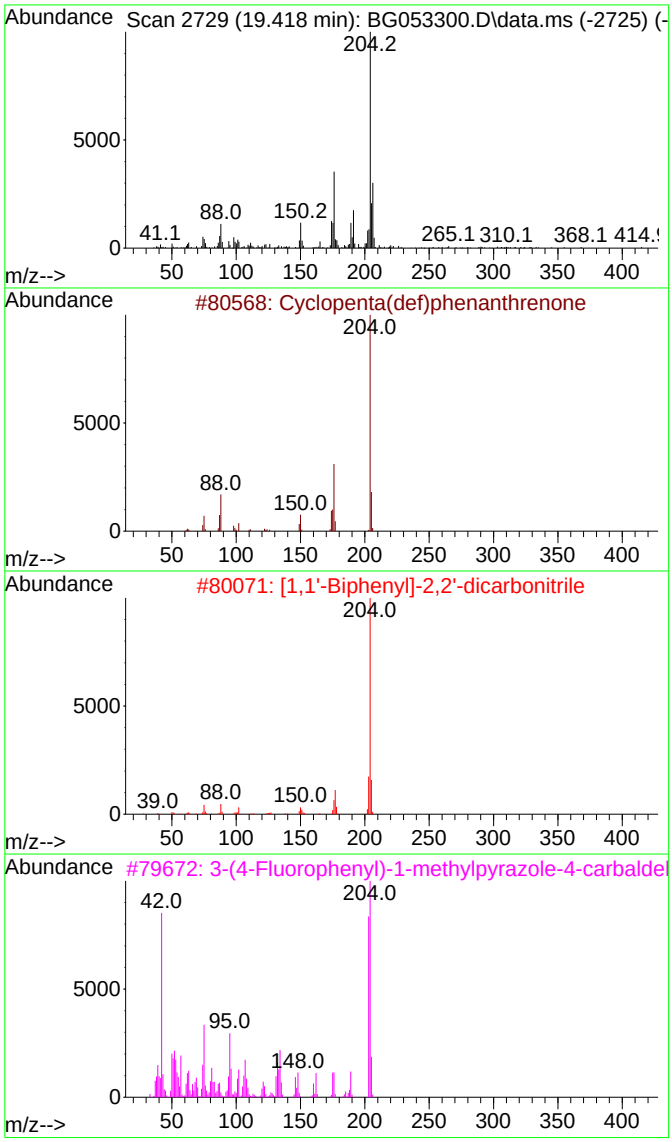
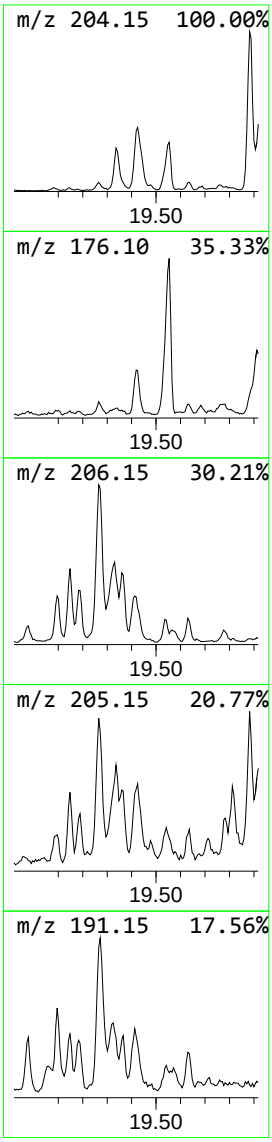
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.418	19.42 ng	422184	Phenanthrene-d10	17.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3	3-(4-Fluorophenyl)-1-methylpyraz...	204	C11H9FN2O	689250-53-1	49
4	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	47
5	1-Aminocyclopentanecarboxylic ac...	431	C23H42ClNO4	1000392-63-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053300.D
Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.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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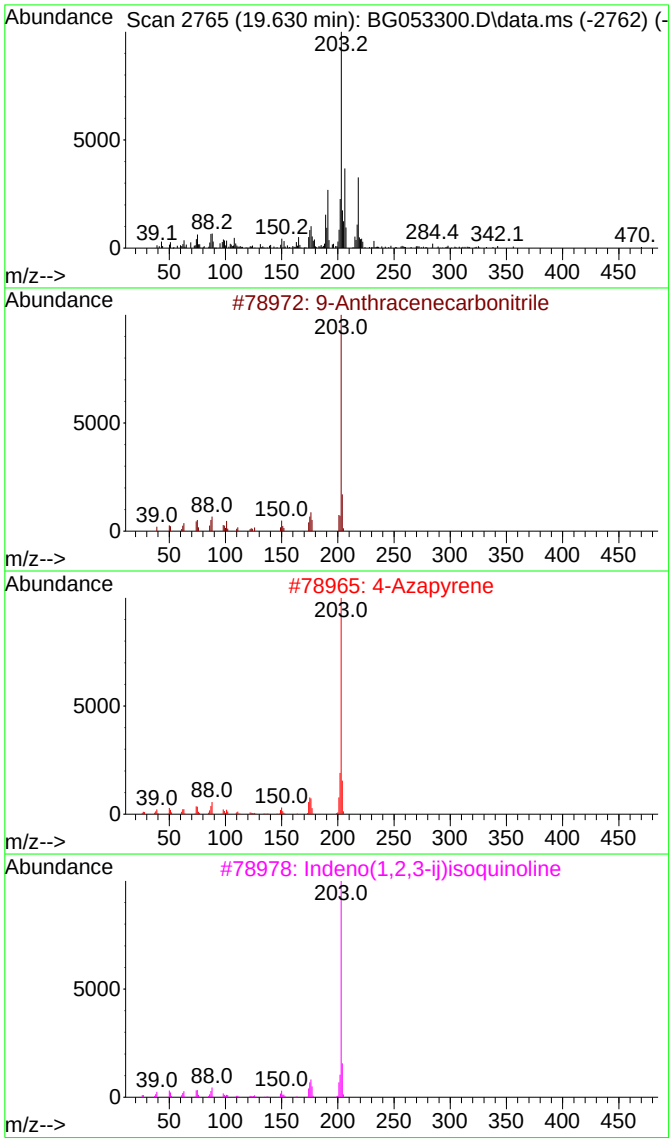
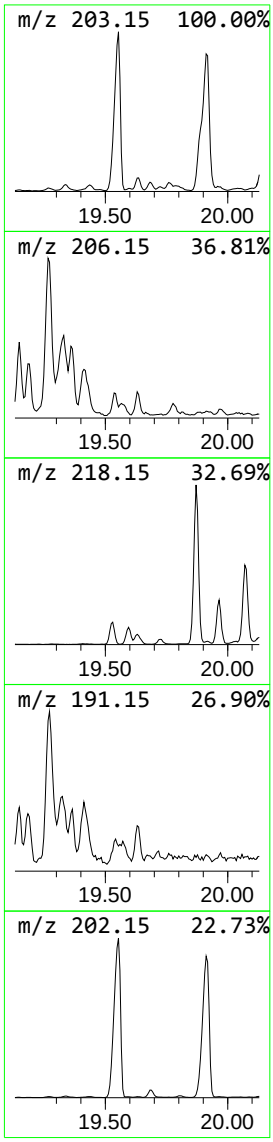
Peak Number 19 9-Anthracenecarbonitrile Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.630	9.51 ng	206860	Phenanthrene-d10	17.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	55
2	4-Azapyrene	203	C15H9N	000194-03-6	50
3	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	46
4	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	45
5	Dexchlorpheniramine	274	C16H19ClN2	025523-97-1	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053300.D
Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.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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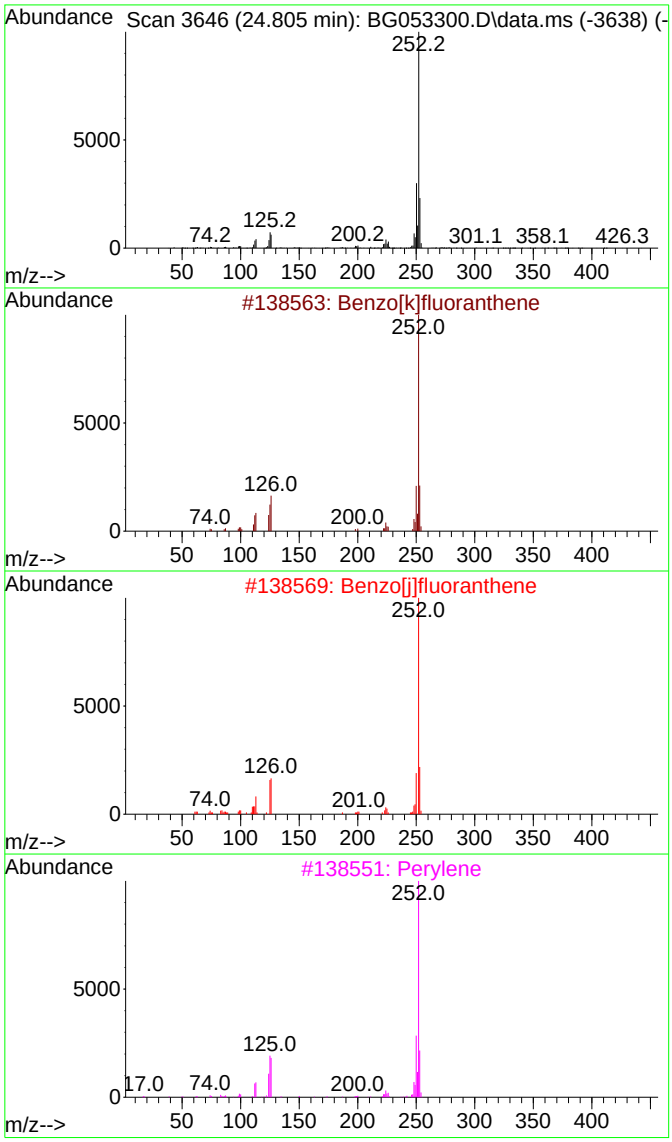
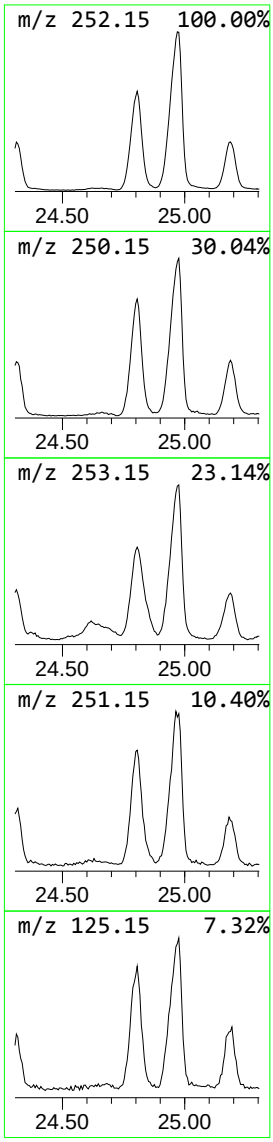
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.805	12.57 ng	2564150	Perylene-d12	25.105

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[e]pyrene	252	C20H12	000192-97-2	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053300.D
Acq On : 23 Apr 2022 19:34
Operator : CG/JU
Sample : N2476-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-03-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.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
Naphthalene, 1,...	13.902	19.0	ng	427573	3	14.736	450172	20.0
Naphthalene, 2,...	14.055	20.7	ng	465593	3	14.736	450172	20.0
Naphthalene, 2,...	14.114	11.8	ng	264765	3	14.736	450172	20.0
Naphthalene, 1,...	14.290	9.6	ng	216715	3	14.736	450172	20.0
Dibenzofuran, 4...	16.070	17.4	ng	390672	3	14.736	450172	20.0
Naphthalene, 1,...	16.452	9.6	ng	208162	4	17.486	434866	20.0
9H-Fluorene, 2-...	16.781	18.2	ng	395484	4	17.486	434866	20.0
9H-Fluorene, 1-...	16.933	9.6	ng	208188	4	17.486	434866	20.0
2-[2-Phenylethe...	17.010	11.3	ng	245786	4	17.486	434866	20.0
Dibenzothiophene	17.304	25.6	ng	557664	4	17.486	434866	20.0
Acridine	17.674	12.3	ng	267364	4	17.486	434866	20.0
Phenanthrene, 1...	18.361	37.7	ng	819394	4	17.486	434866	20.0
1H-Indene, 1-ph...	18.408	50.5	ng	1097180	4	17.486	434866	20.0
Phenanthrene, 2...	18.490	22.8	ng	496221	4	17.486	434866	20.0
4H-Cyclopenta[d...	18.561	110.1	ng	2393810	4	17.486	434866	20.0
5,16[1',2']:8,1...	18.849	26.1	ng	566346	4	17.486	434866	20.0
di-p-Tolylacety...	19.266	26.4	ng	574343	4	17.486	434866	20.0
Cyclopenta(def)...	19.418	19.4	ng	422184	4	17.486	434866	20.0
9-Anthracenecar...	19.630	9.5	ng	206860	4	17.486	434866	20.0
Benzo[j]fluoran...	24.805	12.6	ng	2564150	6	25.105	4079780	20.0