LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
Data File : BG059961.D
Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

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-BG120423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG059961.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.525	409	415	423	rBV2	231112	401515	2.01%	0.173%
2	7.112	677	685	692	rBV	255324	448485	2.25%	0.193%
3	7.958	820	829	836	rBV	499568	842574	4.22%	0.363%
4	9.115	1020	1026	1032	rBV	154254	264205	1.32%	0.114%
5	10.766	1296	1307	1312	rBV	618778	1138176	5.70%	0.490%
6	10.813	1312	1315	1322	rVB	158676	253487	1.27%	0.109%
7	12.423	1583	1589	1596	rVB	230140	378383	1.89%	0.163%
8	12.641	1618	1626	1632	rBV	208842	355059	1.78%	0.153%
9	13.222	1718	1725	1733	rBV	541378	836433	4.19%	0.360%
10	13.915	1835	1843	1848	rBV3	213577	391263	1.96%	0.168%
11	14.597	1949	1959	1965	rBV	1205929	1917988	9.60%	0.825%
12	14.662	1965	1970	1977	rVB	317937	525706	2.63%	0.226%
13	14.991	2022	2026	2033	rVB	298194	468403	2.34%	0.202%
14	15.220	2055	2065	2069	rBV4	117827	259543	1.30%	0.112%
15	15.643	2131	2137	2148	rBV	619430	1006132	5.04%	0.433%
16	15.937	2183	2187	2194	rVB	201496	331225	1.66%	0.143%
17	16.084	2205	2212	2221	rVB2	703153	1218580	6.10%	0.524%
18	16.313	2246	2251	2260	rVB5	183494	350125	1.75%	0.151%
19	16.648	2298	2308	2313	rBV4	265256	608877	3.05%	0.262%
20	16.883	2340	2348	2351	rBV4	129789	300288	1.50%	0.129%
21	16.994	2363	2367	2374	rVB3	141780	267223	1.34%	0.115%
22	17.076	2375	2381	2385	rBV2	150598	289662	1.45%	0.125%
23	17.165	2391	2396	2404	rVB	331420	561626	2.81%	0.242%
24	17.347	2420	2427	2430	rBV	1728946	2622303	13.13%	1.128%
25	17.394	2430	2435	2440	rVV	4905663	7329178	36.69%	3.153%
26	17.482	2442	2450	2454	rVV	1313437	1977648	9.90%	0.851%
27	17.535	2454	2459	2464	rVV4	178122	333158	1.67%	0.143%
28	17.746	2491	2495	2499	rBV	172676	279793	1.40%	0.120%
29	17.928	2522	2526	2531	rVB2	259555	390218	1.95%	0.168%
30	18.069	2546	2550	2557	rVB	176453	330230	1.65%	0.142%
31	18.228	2571	2577	2581	rBV	1174751	1957940	9.80%	0.842%
32	18.275	2581	2585	2591	rVB	1593752	2332559	11.68%	1.004%
33	18.357	2592	2599	2603	rBV	512625	869715	4.35%	0.374%
34	18.422	2603	2610	2613	rVV3	1893232	3485159	17.45%	1.500%
35	18.457	2613	2616	2622	rVB	916685	1257730	6.30%	0.541%
36	18.722	2656	2661	2665	rBV	846554	1233927	6.18%	0.531%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
Data File : BG059961.D
Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

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-BG120423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.763	2665	2668	2679	rVB2	444880	805660	4.03%	0.347%
38	18.968	2700	2703	2707	rVV	368198	524384	2.63%	0.226%
39	19.021	2707	2712	2715	rVV	506677	749122	3.75%	0.322%
40	19.057	2715	2718	2722	rVB2	406204	524015	2.62%	0.225%
41	19.139	2727	2732	2737	rBV	1165208	1971484	9.87%	0.848%
42	19.203	2737	2743	2746	rVV2	579731	1143376	5.72%	0.492%
43	19.233	2746	2748	2752	rVB2	384378	405362	2.03%	0.174%
44	19.280	2752	2756	2764	rBV2	769909	1484548	7.43%	0.639%
45	19.409	2772	2778	2784	rVB	11168283	17105760	85.64%	7.360%
46	19.468	2784	2788	2791	rBV2	366975	522643	2.62%	0.225%
47	19.503	2791	2794	2799	rVB4	422053	584116	2.92%	0.251%
48	19.597	2806	2810	2814	rBV6	187991	271358	1.36%	0.117%
49	19.650	2814	2819	2822	rBV	503936	729328	3.65%	0.314%
50	19.679	2822	2824	2828	rVB3	231752	263232	1.32%	0.113%
51	19.738	2828	2834	2835	rBV	2542058	3068886	15.36%	1.320%
52	19.773	2835	2840	2847	rVB	10014161	16100688	80.61%	6.928%
53	19.838	2847	2851	2857	rVB2	844646	1427909	7.15%	0.614%
54	19.967	2864	2873	2876	rBV2	1531561	2859235	14.31%	1.230%
55	20.002	2876	2879	2884	rVB2	590824	875383	4.38%	0.377%
56	20.085	2887	2893	2895	rBV	1174967	1955744	9.79%	0.841%
57	20.179	2905	2909	2911	rBV5	179460	279843	1.40%	0.120%
58	20.226	2912	2917	2918	rVV2	879472	1290347	6.46%	0.555%
59	20.261	2919	2923	2928	rVB	2665297	3658345	18.31%	1.574%
60	20.361	2935	2940	2944	rBV	1857427	2277577	11.40%	0.980%
61	20.420	2944	2950	2954	rVV2	1652567	2610437	13.07%	1.123%
62	20.461	2954	2957	2960	rVB2	298424	347674	1.74%	0.150%
63	20.502	2960	2964	2969	rVB4	256848	399272	2.00%	0.172%
64	20.555	2969	2973	2977	rBV	1110289	1557907	7.80%	0.670%
65	20.602	2977	2981	2985	rVB	1014492	1351380	6.77%	0.581%
66	20.819	3013	3018	3019	rBV3	247868	411733	2.06%	0.177%
67	20.854	3020	3024	3027	rVV4	314583	522025	2.61%	0.225%
68	20.978	3041	3045	3047	rVV3	331365	522360	2.62%	0.225%
69	21.019	3048	3052	3059	rVB	1178487	1956621	9.80%	0.842%
70	21.113	3066	3068	3073	rVB2	254703	340989	1.71%	0.147%
71	21.201	3075	3083	3087	rVV2	1315528	2831035	14.17%	1.218%
72	21.248	3087	3091	3094	rVV	1250688	1844484	9.23%	0.794%
73	21.289	3094	3098	3104	rVV2	1315796	2668657	13.36%	1.148%
74	21.348	3104	3108	3116	rVB2	1068897	2033040	10.18%	0.875%
75	21.483	3123	3131	3141	rBV2	443781	1446471	7.24%	0.622%
76	21.606	3141	3152	3159	rVV3	8332323	19974660	100.00%	8.594%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
Data File : BG059961.D
Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

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-BG120423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.671	3159	3163	3175	rVB	6403147	11211767	56.13%	4.824%
78	21.765	3177	3179	3183	rVB4	219741	301283	1.51%	0.130%
79	21.818	3183	3188	3194	rBV	1352199	2159070	10.81%	0.929%
80	21.877	3194	3198	3204	rBV2	498412	996169	4.99%	0.429%
81	22.024	3217	3223	3230	rBV3	817217	1829384	9.16%	0.787%
82	22.088	3231	3234	3238	rVB4	318012	499213	2.50%	0.215%
83	22.270	3261	3265	3269	rBV2	402579	747828	3.74%	0.322%
84	22.347	3270	3278	3284	rVB	1370647	3068150	15.36%	1.320%
85	22.417	3286	3290	3297	rVB	848944	1547262	7.75%	0.666%
86	22.552	3310	3313	3318	rVB	483241	778564	3.90%	0.335%
87	22.617	3320	3324	3328	rVV	722560	1395537	6.99%	0.600%
88	22.664	3329	3332	3339	rVB4	827965	1433637	7.18%	0.617%
89	22.758	3342	3348	3359	rVB4	487837	1549350	7.76%	0.667%
90	23.193	3418	3422	3430	rBV7	270277	642647	3.22%	0.277%
91	23.822	3518	3529	3535	rBV	4668725	15959604	79.90%	6.867%
92	24.062	3563	3570	3581	rVB	1039309	2520803	12.62%	1.085%
93	24.274	3599	3606	3608	rBV3	307830	716612	3.59%	0.308%
94	24.532	3641	3650	3663	rVB	2703216	8035364	40.23%	3.457%
95	24.679	3665	3675	3689	rVB	4258938	12110872	60.63%	5.211%
96	24.826	3691	3700	3706	rVV	1643968	4618757	23.12%	1.987%
97	24.903	3707	3713	3727	rVB2	1259535	4159002	20.82%	1.789%
98	28.481	4309	4322	4347	rVB3	1808433	9712811	48.63%	4.179%
99	28.957	4396	4403	4411	rVB2	326981	1056328	5.29%	0.454%
100	29.621	4501	4516	4531	rBV	1228202	5853977	29.31%	2.519%

Sum of corrected areas: 232415597

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
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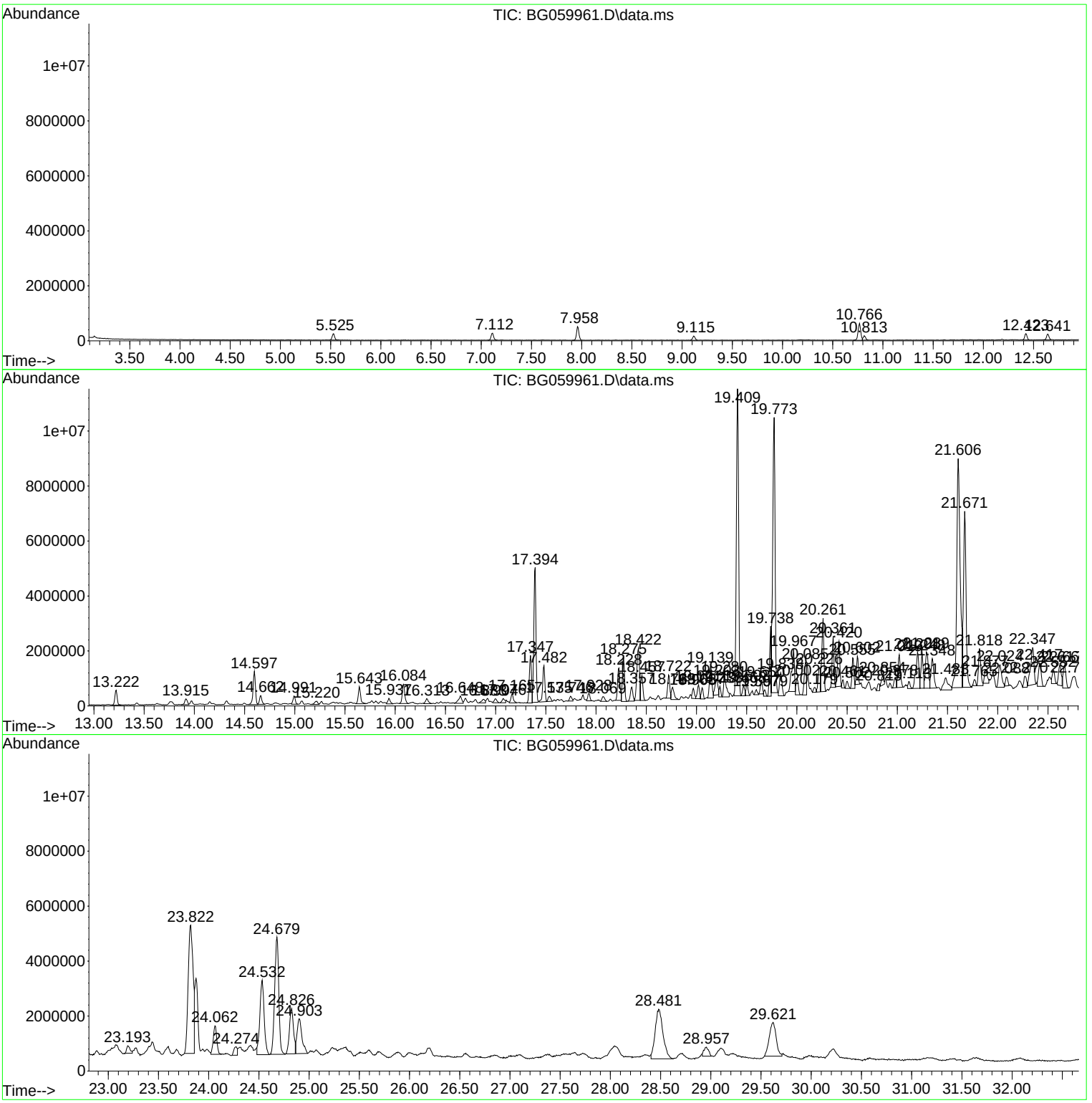
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.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\BG120523\
Data File : BG059961.D
Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

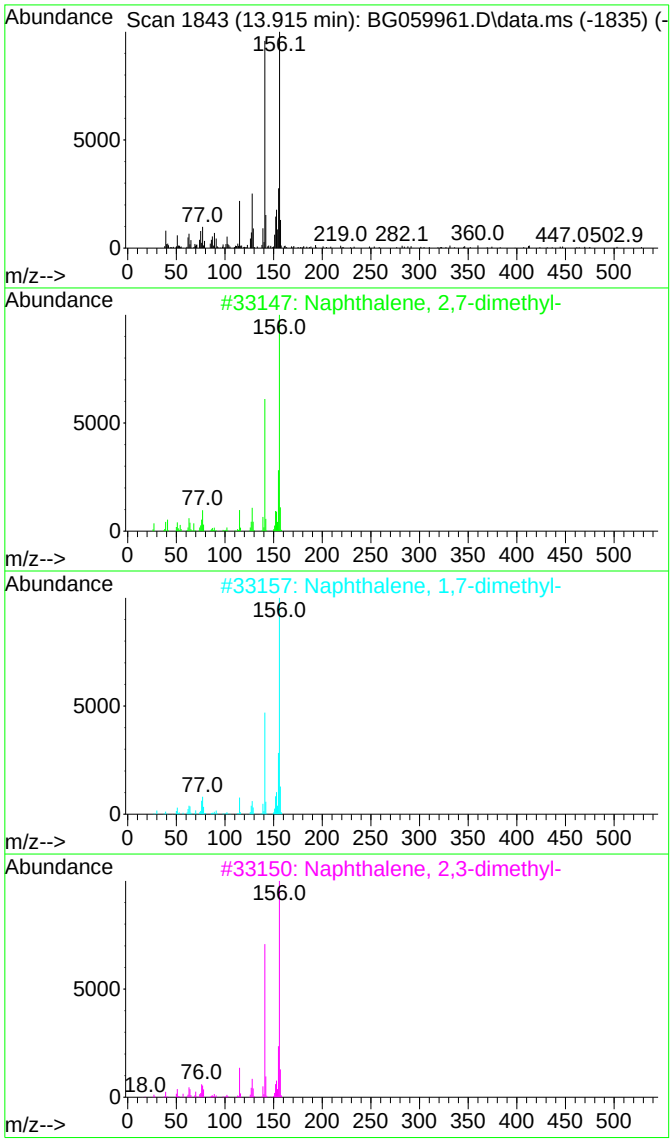
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

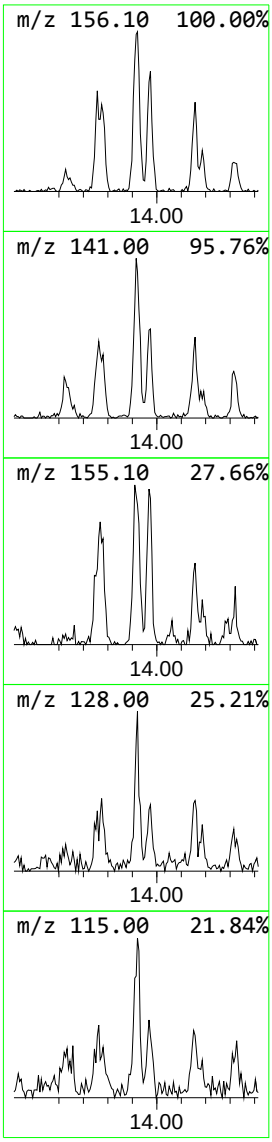
****

Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	4.08 ng	391263	Acenaphthene-d10	14.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	91
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
Data File : BG059961.D
Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

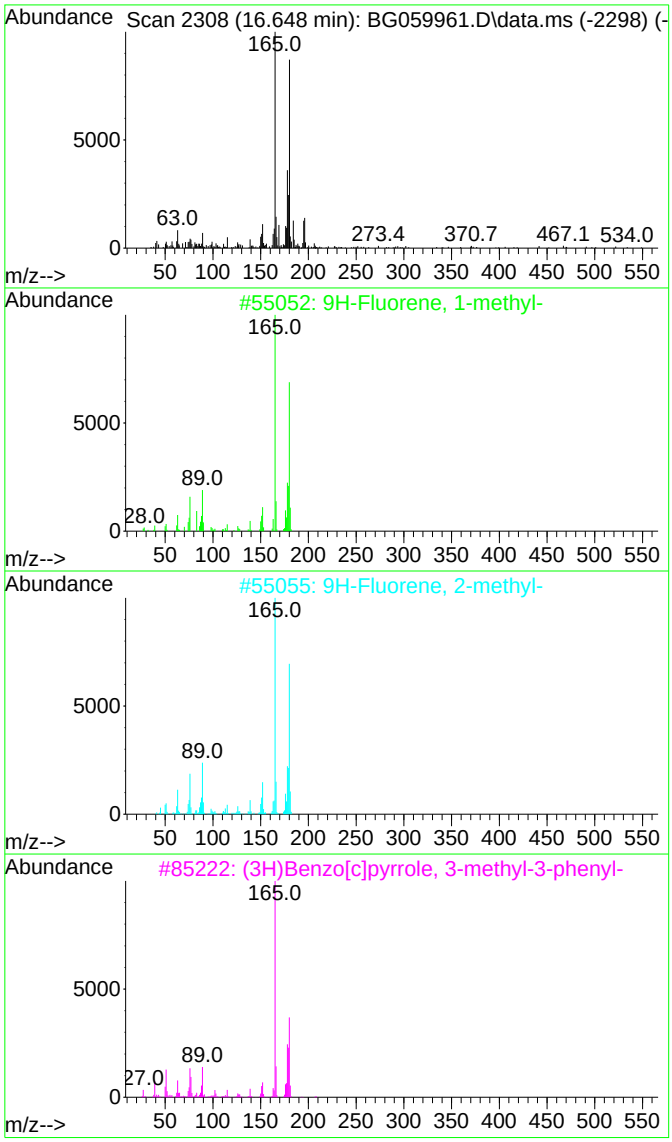
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

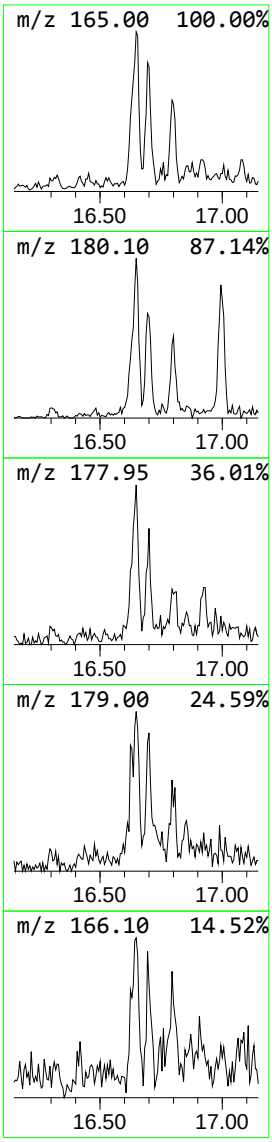
****

Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.648	4.64 ng	608877	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
3	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	78
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
Data File : BG059961.D
Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.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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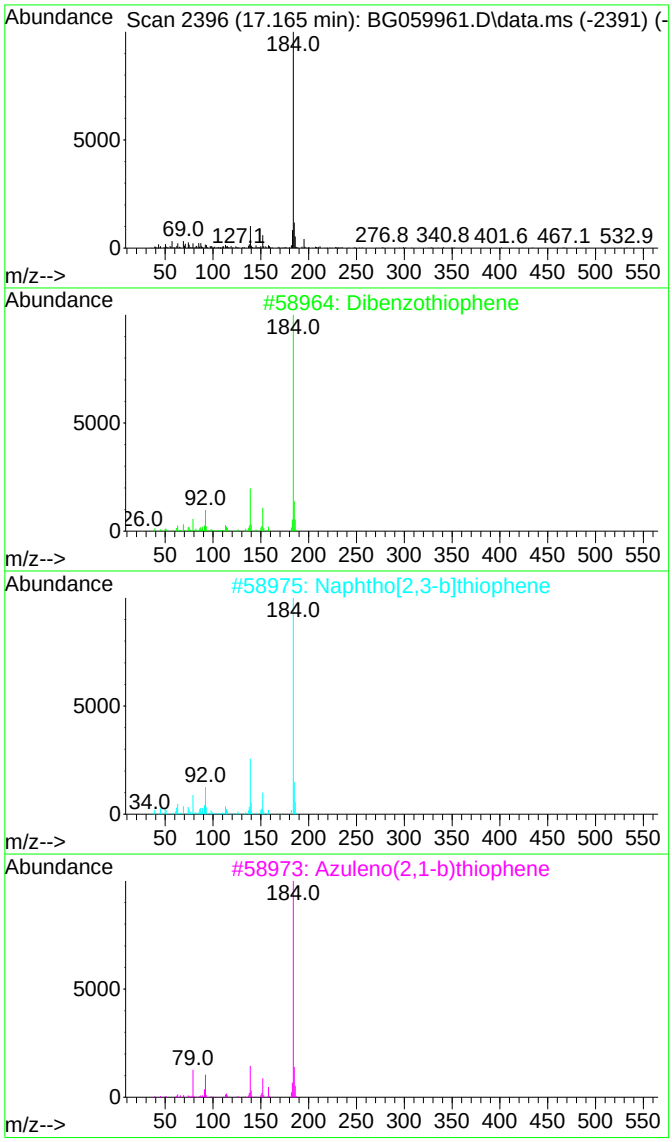
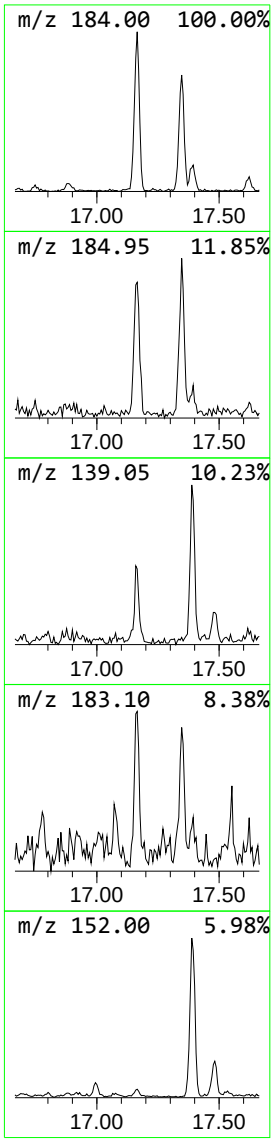
Peak Number 3 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.165	4.28 ng	561626	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	86
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	83
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
Data File : BG059961.D
Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

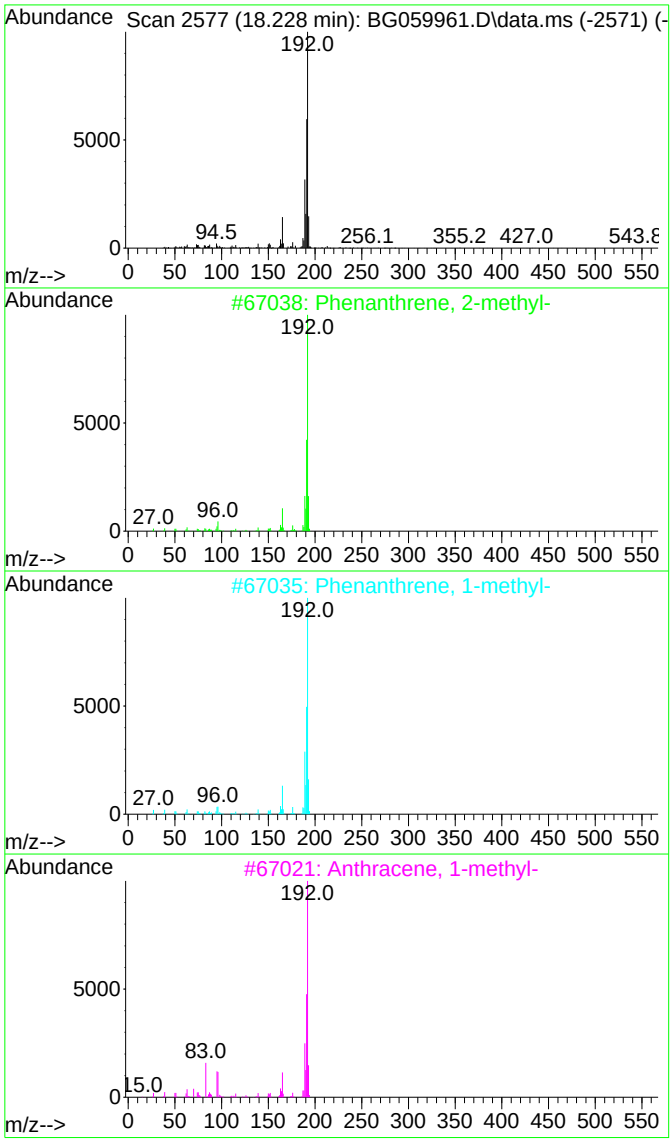
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

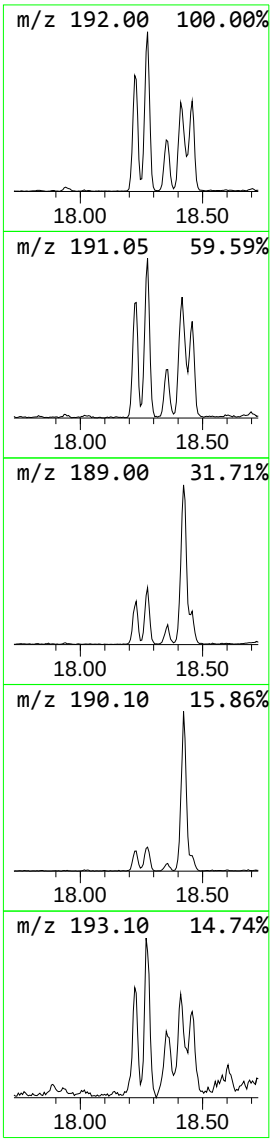
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.228	14.93 ng	1957940	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
Data File : BG059961.D
Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

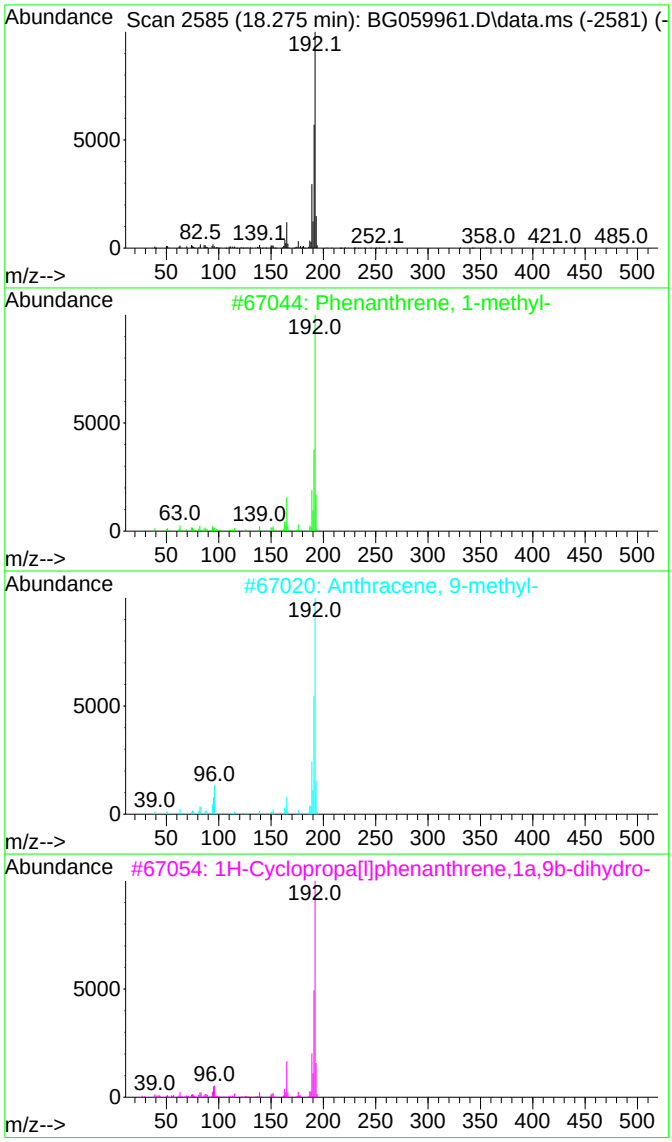
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

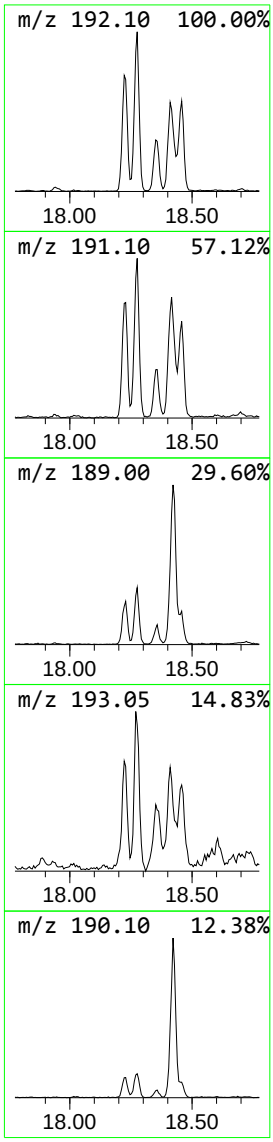
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.275	17.79 ng	2332560	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.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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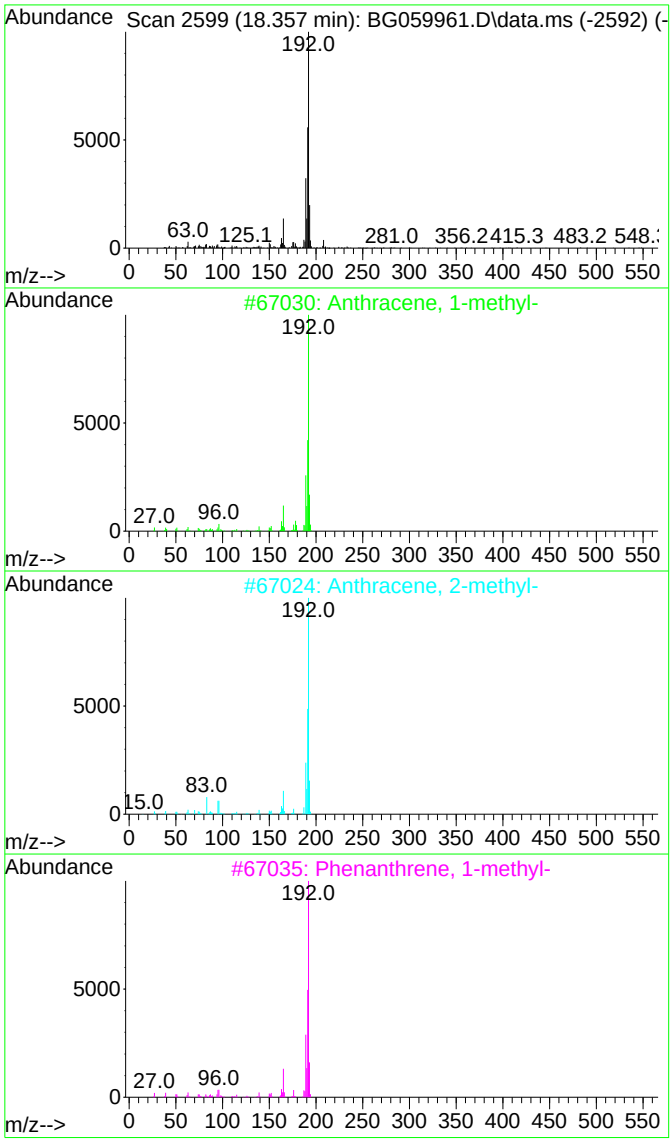
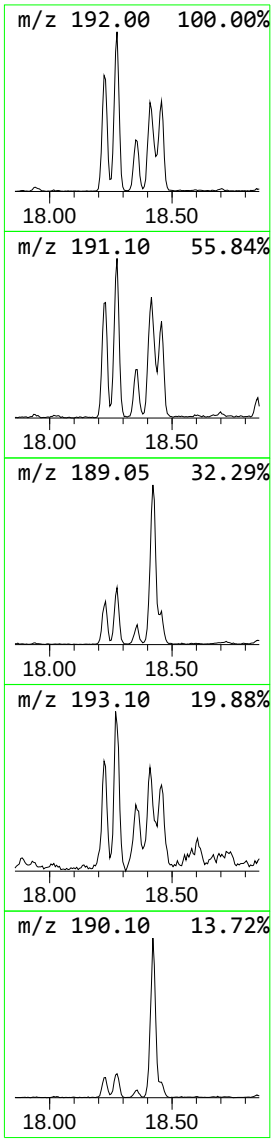
Peak Number 6 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.357	6.63 ng	869715	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.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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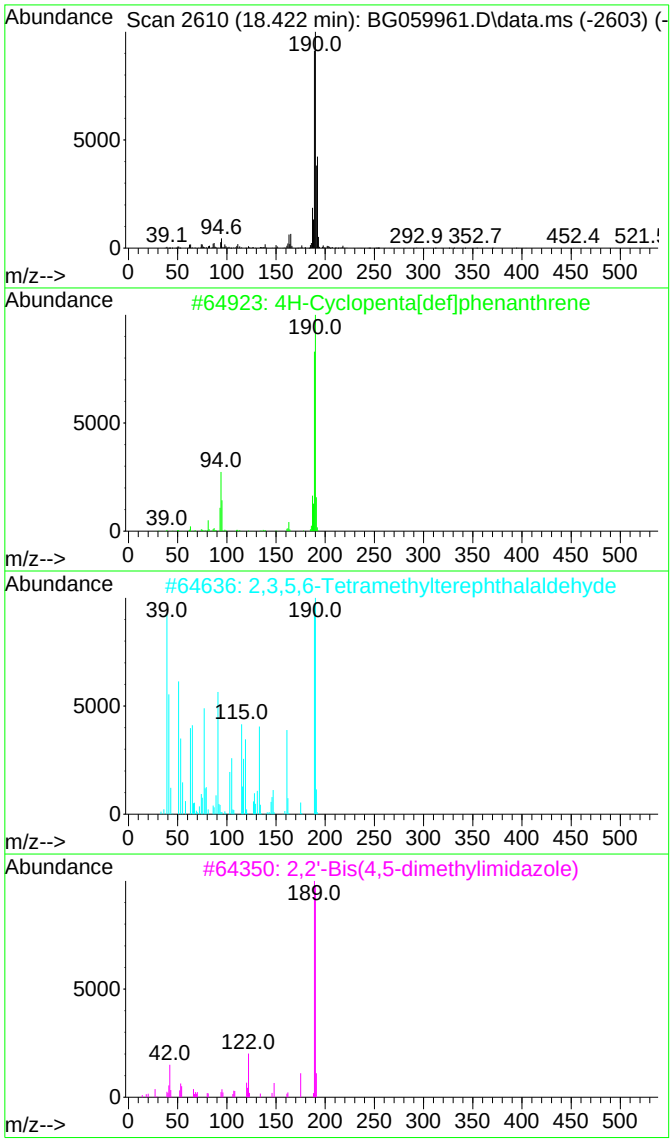
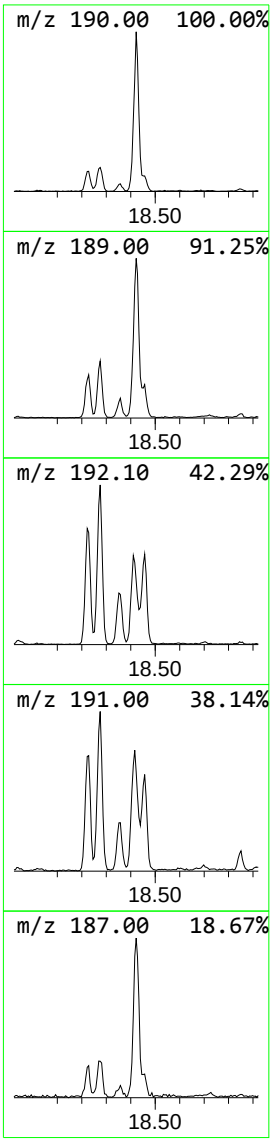
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.422	26.58 ng	3485160	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	Methyl diselenide	190	C2H6Se2	007101-31-7	38
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	32





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Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.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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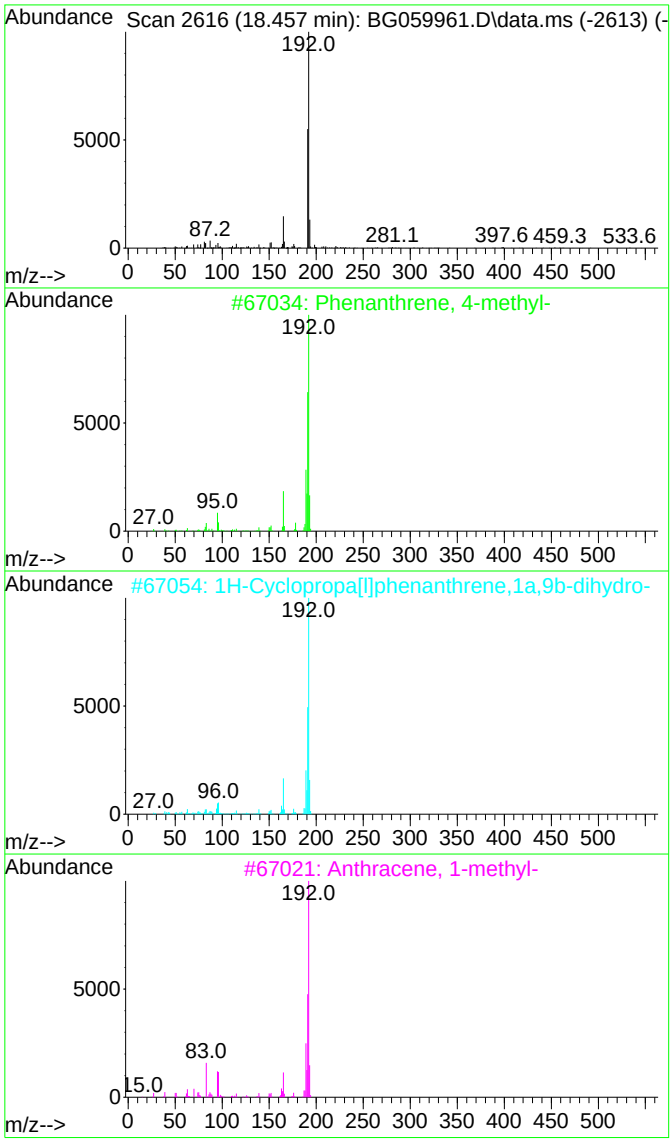
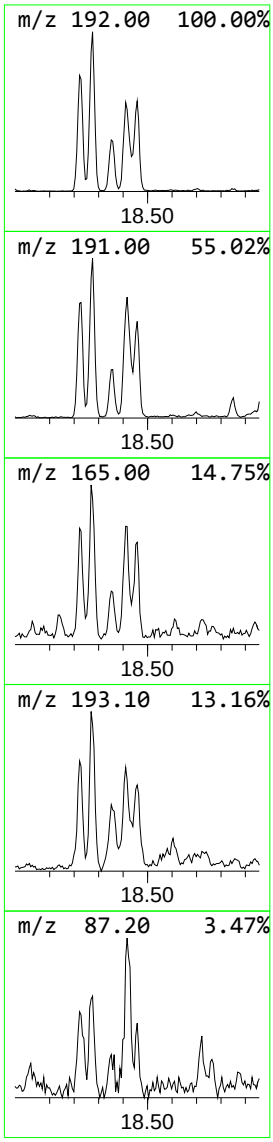
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.457	9.59 ng	1257730	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80





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Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.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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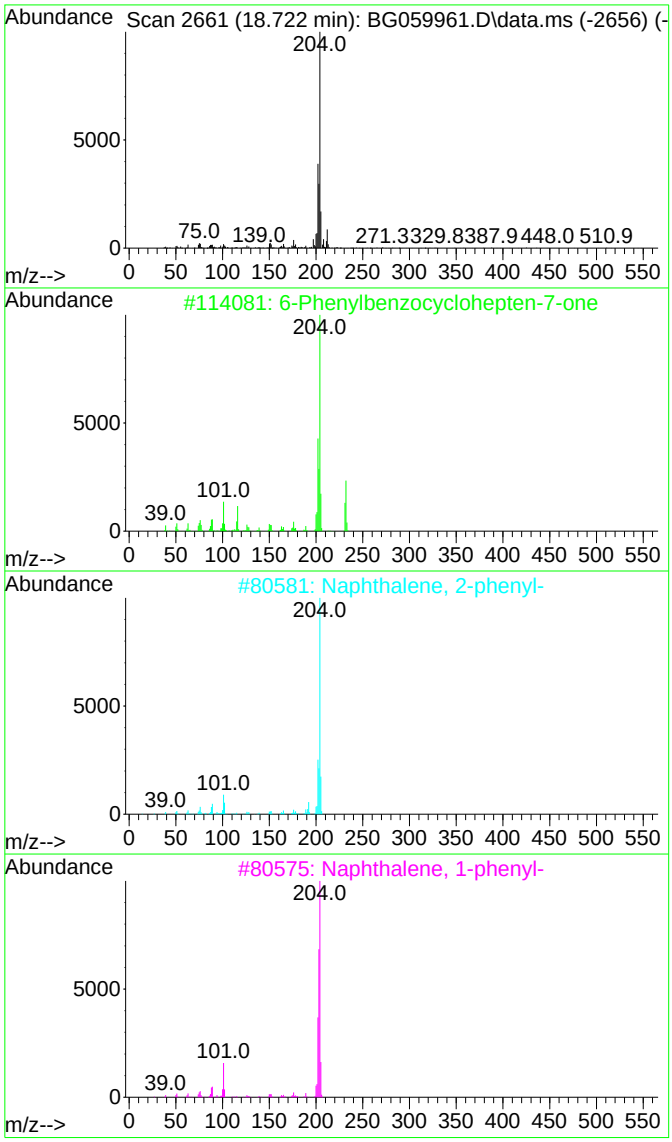
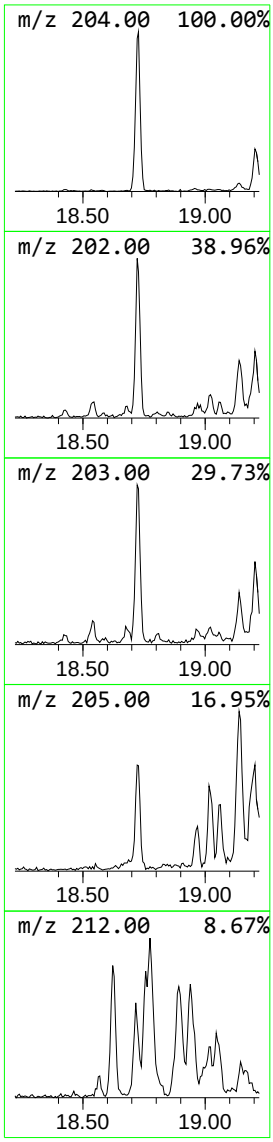
Peak Number 9 6-Phenylbenzocyclohepten-7-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.722	9.41 ng	1233930	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	78
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
4	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	43
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Sample : 05595-01 5X
Misc :
ALS Vial : 17 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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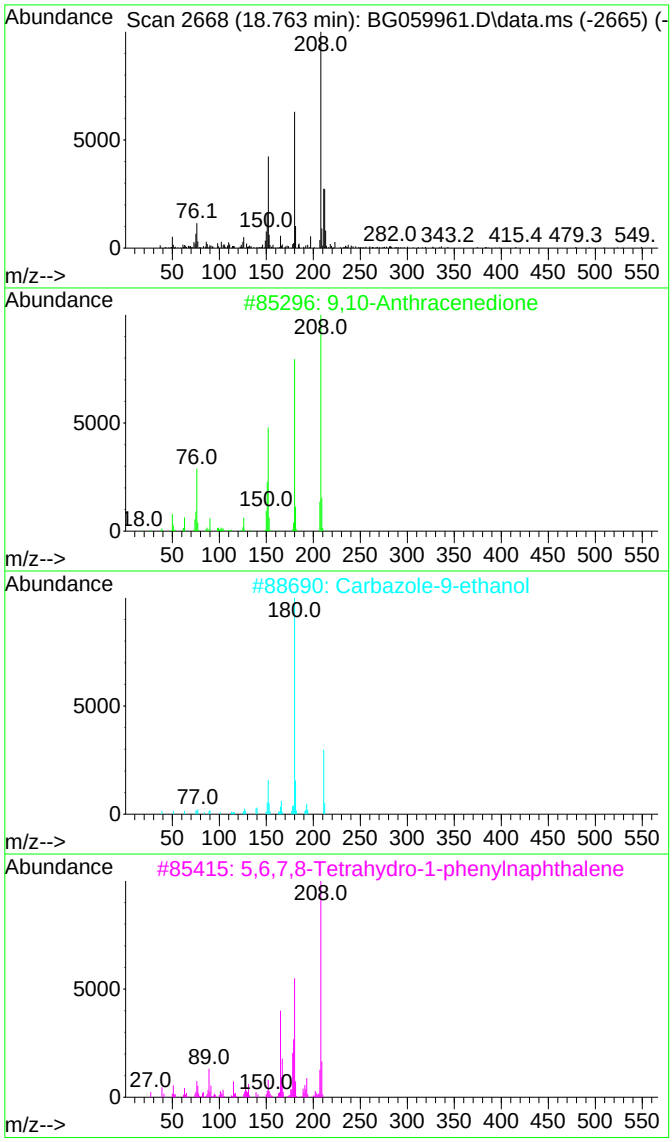
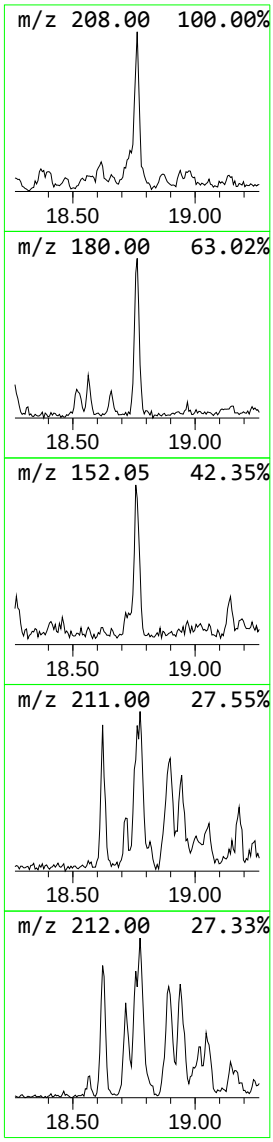
Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.763	6.14 ng	805660	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	58
2	Carbazole-9-ethanol	211	C14H13NO	001484-14-6	50
3	5,6,7,8-Tetrahydro-1-phenylnapht...	208	C16H16	067064-63-5	43
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	42
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	38





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Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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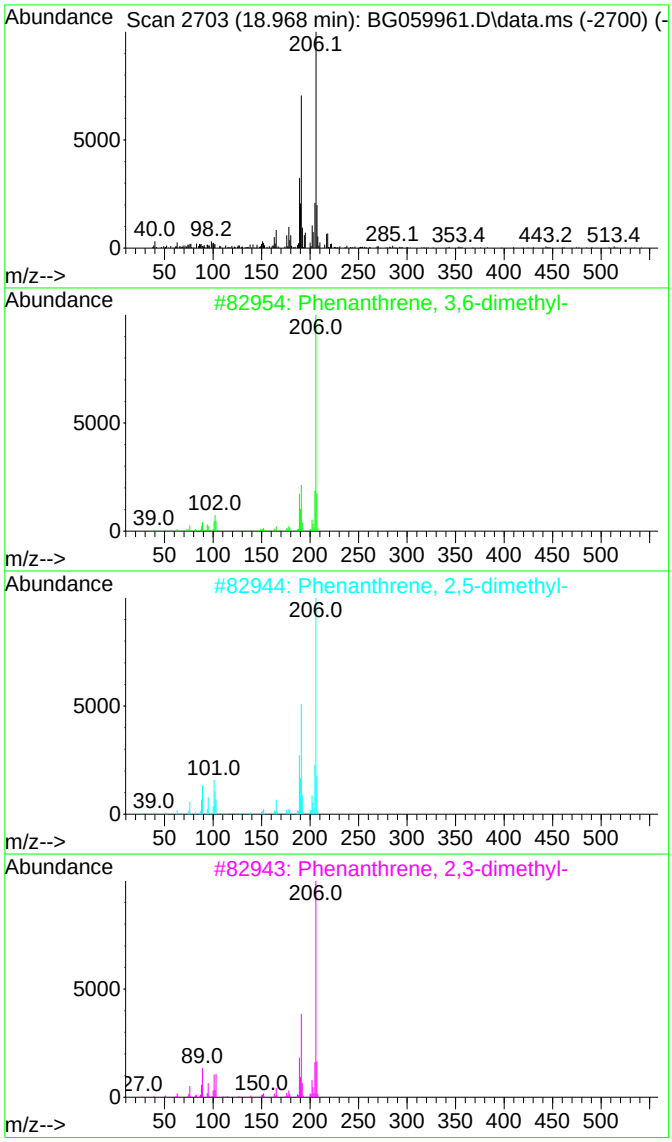
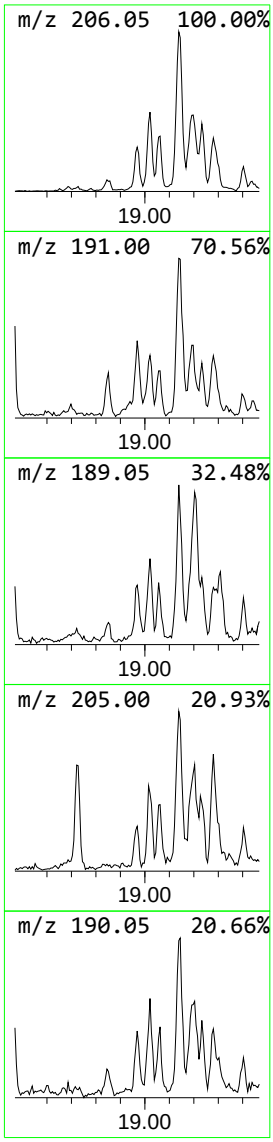
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.968	4.00 ng	524384	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	83
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81





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Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.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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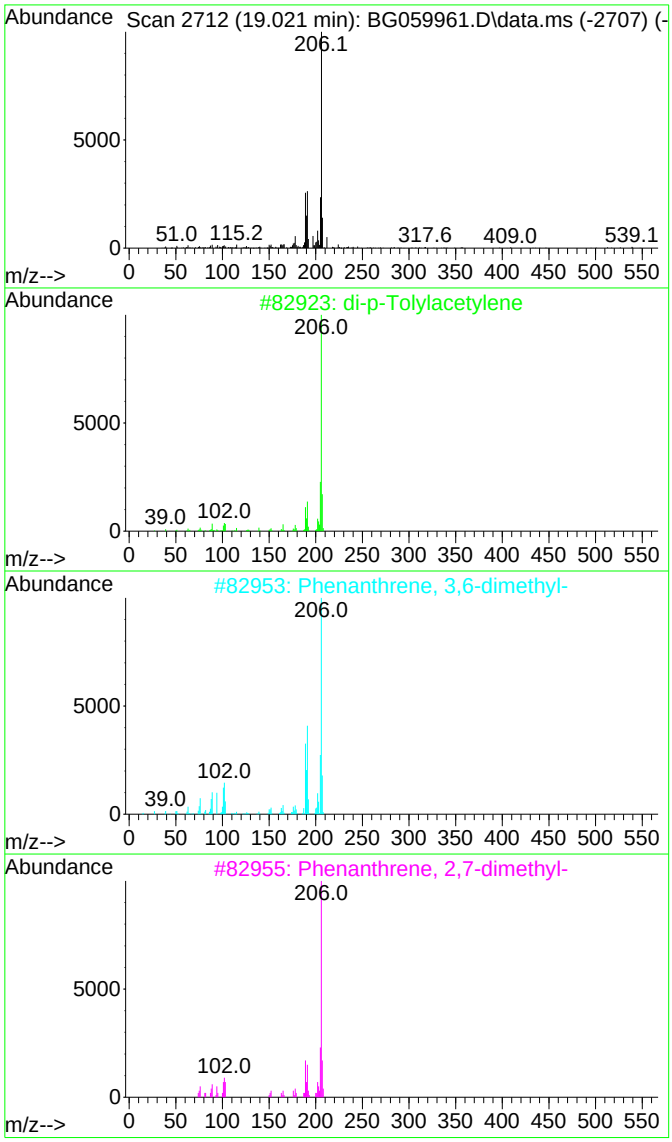
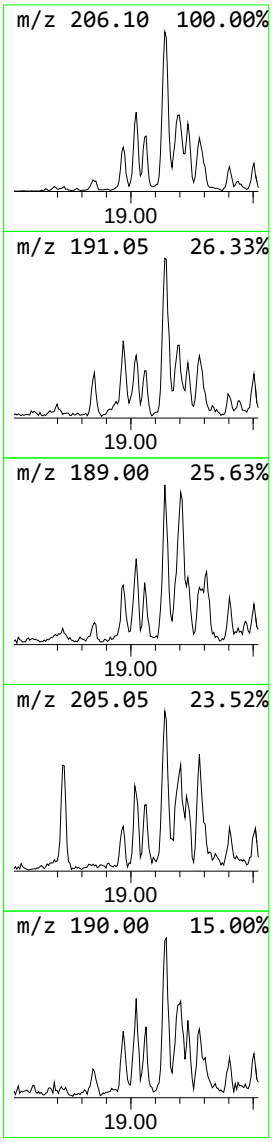
Peak Number 12 di-p-Tolylacetylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.021	5.71 ng	749122	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	72
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	72





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Sample : 05595-01 5X
Misc :
ALS Vial : 17 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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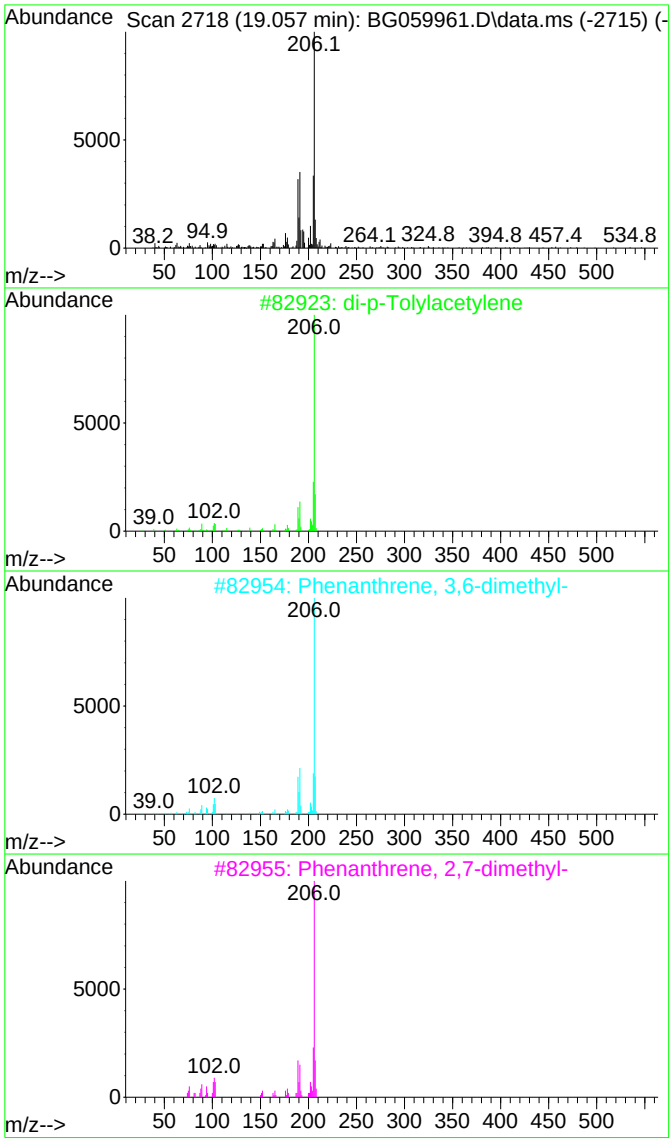
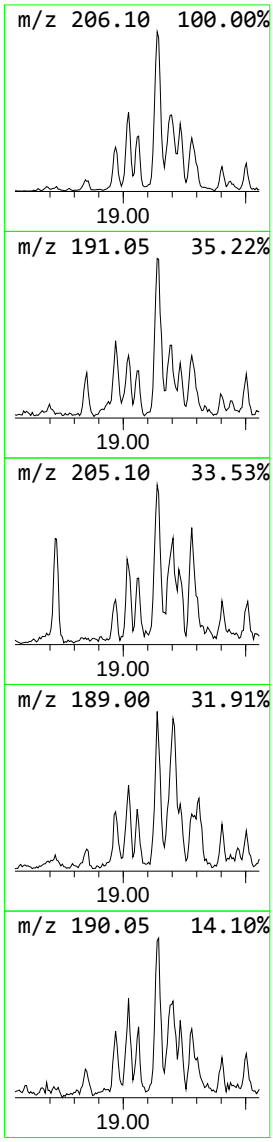
Peak Number 13 Phenanthrene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.057	4.00 ng	524015	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	72
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	72





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Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-113023

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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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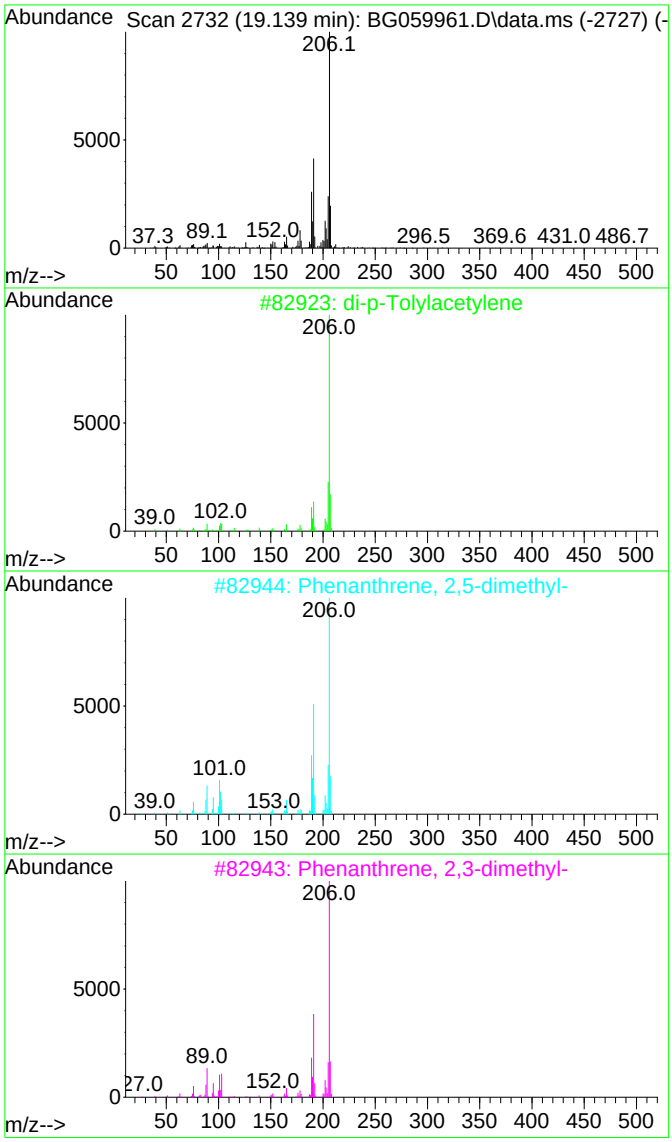
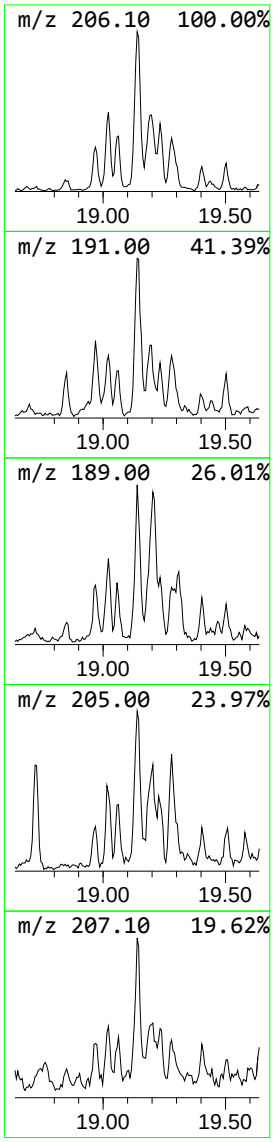
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.139	15.04 ng	1971480	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Misc :
ALS Vial : 17 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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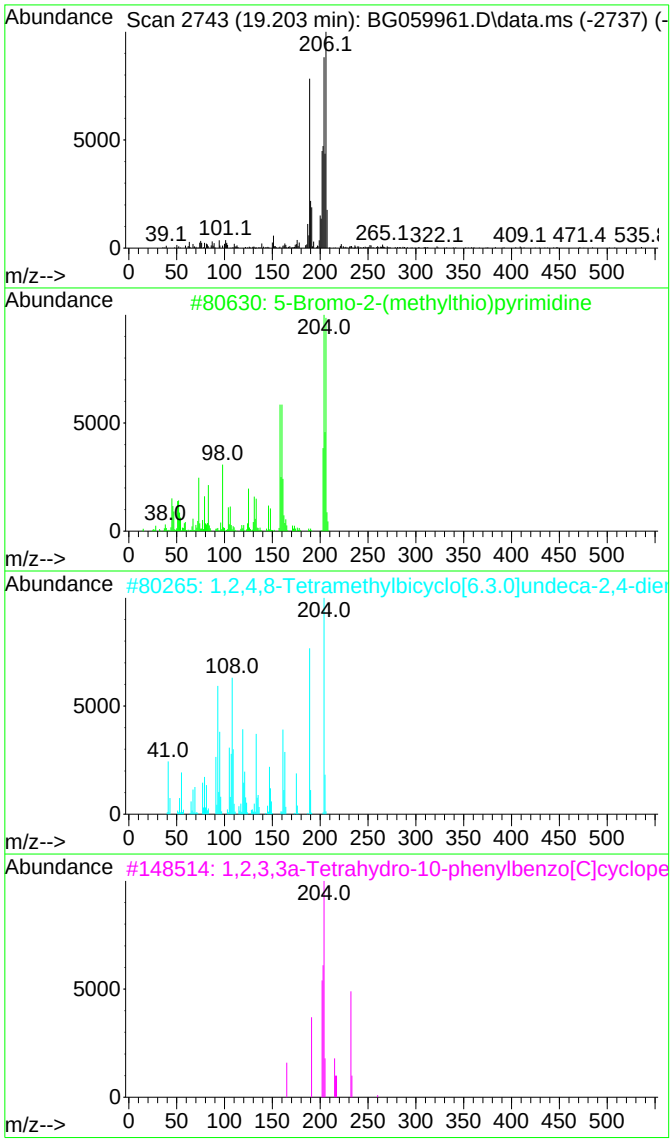
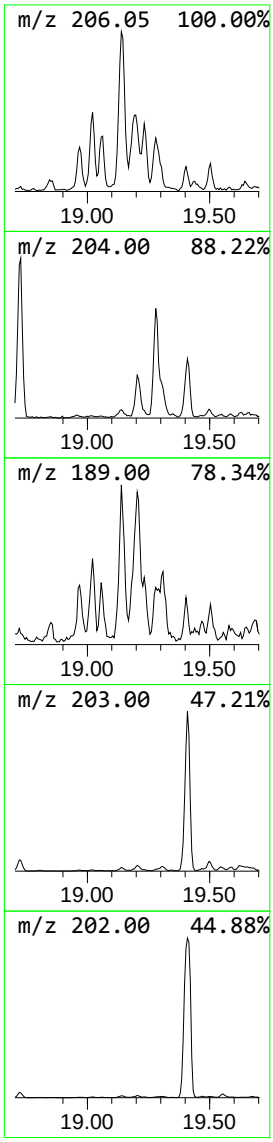
Peak Number 15 unknown19.203 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.203	8.72 ng	1143380	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-2-(methylthio)pyrimidine	204	C5H5BrN2S	014001-67-3	47
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	35
3	1,2,3,3a-Tetrahydro-10-phenylben...	260	C18H16N2	028749-06-6	27
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	25
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	25





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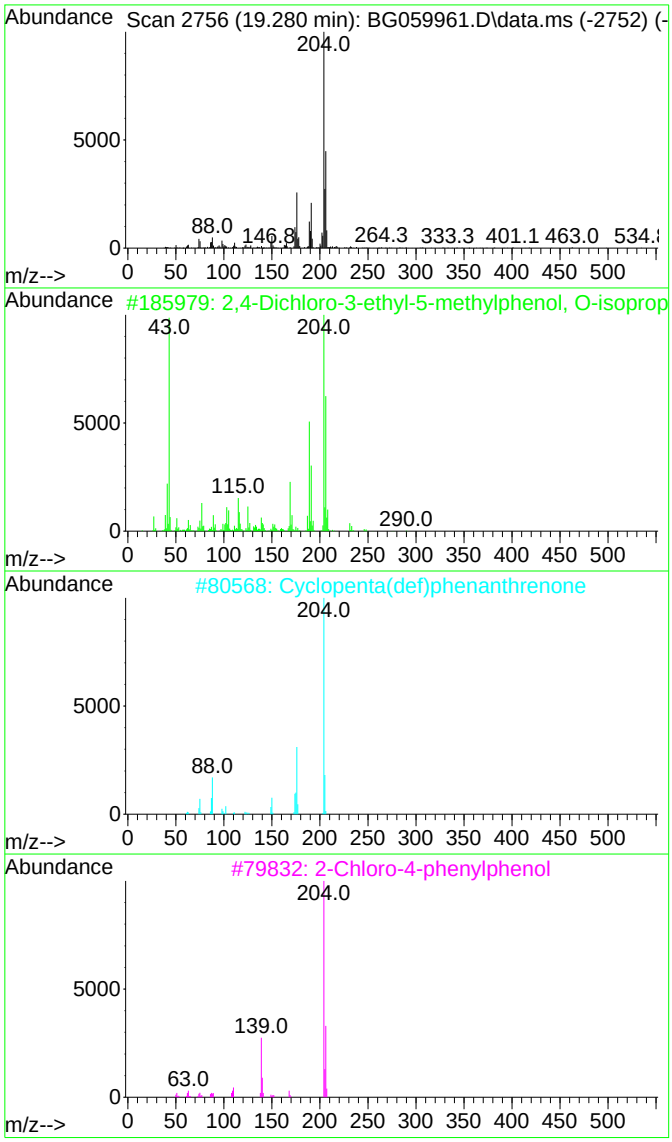
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

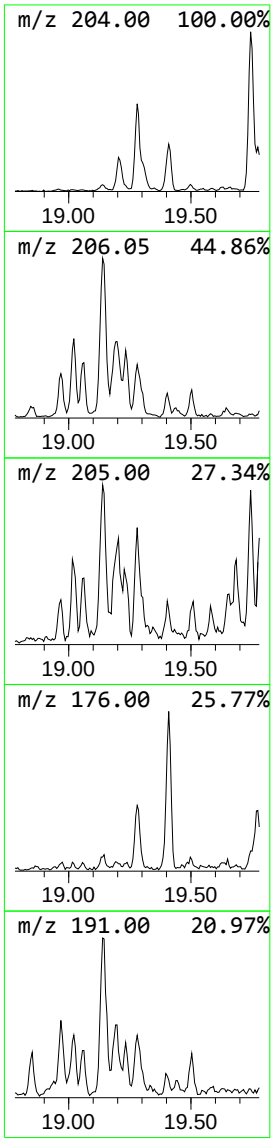
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 2,4-Dichloro-3-ethyl-5-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.280	11.32 ng	1484550	Phenanthrene-d10	17.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dichloro-3-ethyl-5-methylphe...	290	C13H16Cl2O3	1000487-42-9	58
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	47
4	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1010250-17-8	42
5	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
Data File : BG059961.D
Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.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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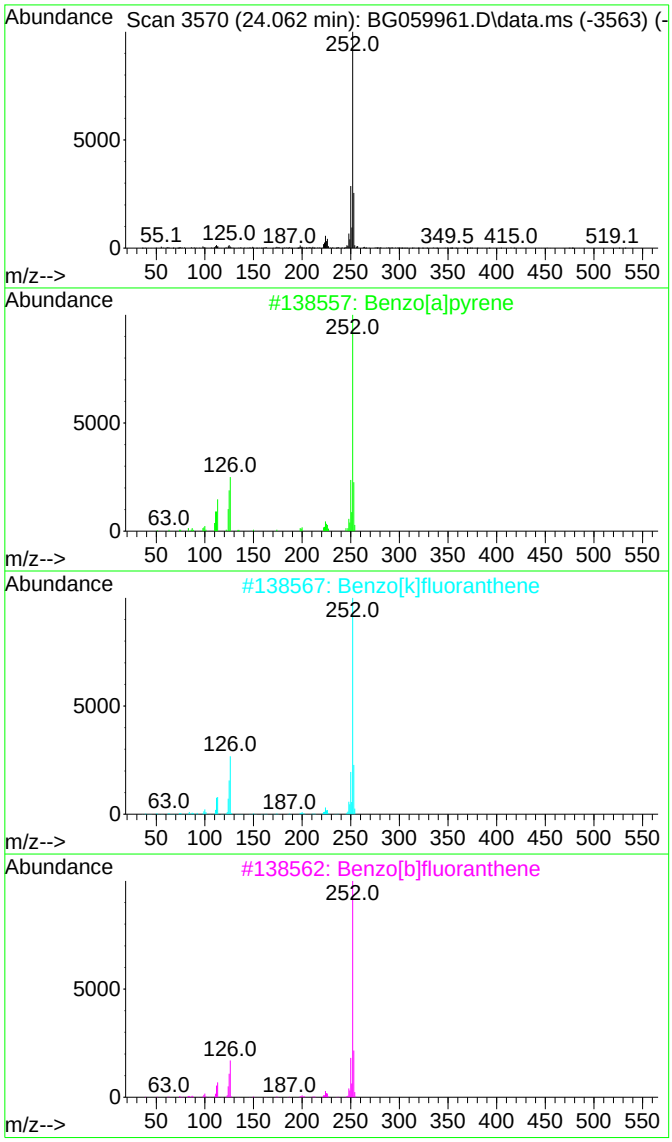
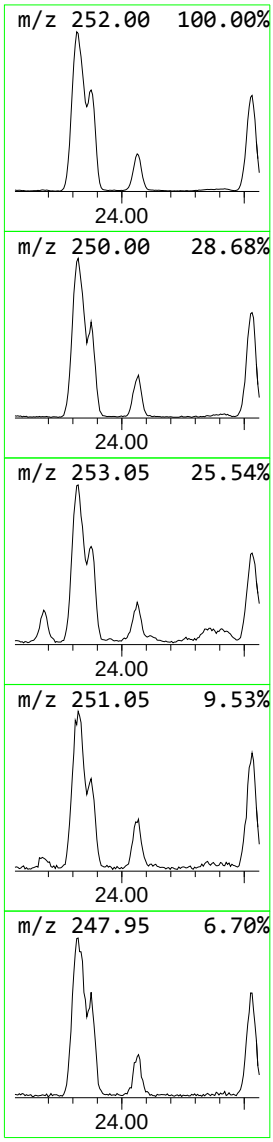
Peak Number 17 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.062	10.92 ng	2520800	Perylene-d12	24.826

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	81
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	74
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	74
4	Benzo[e]pyrene	252	C20H12	000192-97-2	59
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	59





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Data File : BG059961.D
Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.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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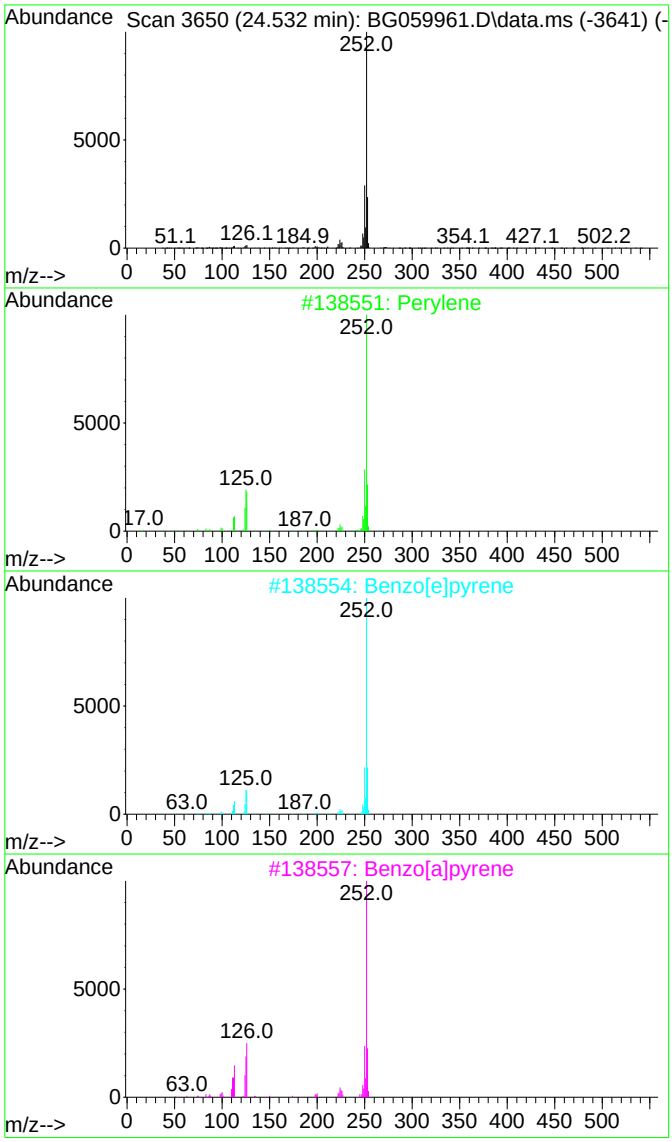
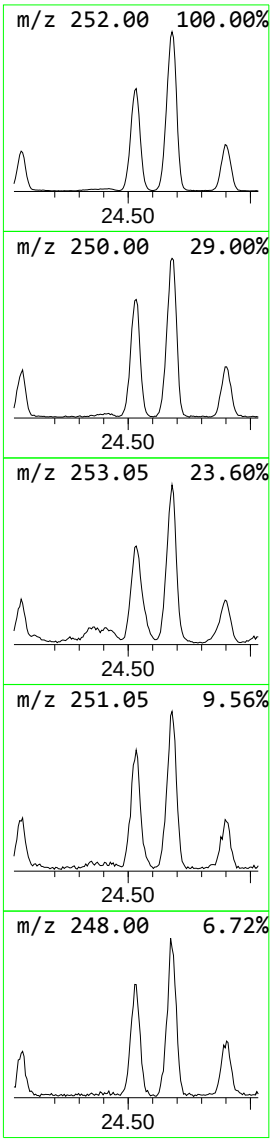
Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.532	34.79 ng	8035360	Perylene-d12	24.826

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	87
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
Data File : BG059961.D
Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.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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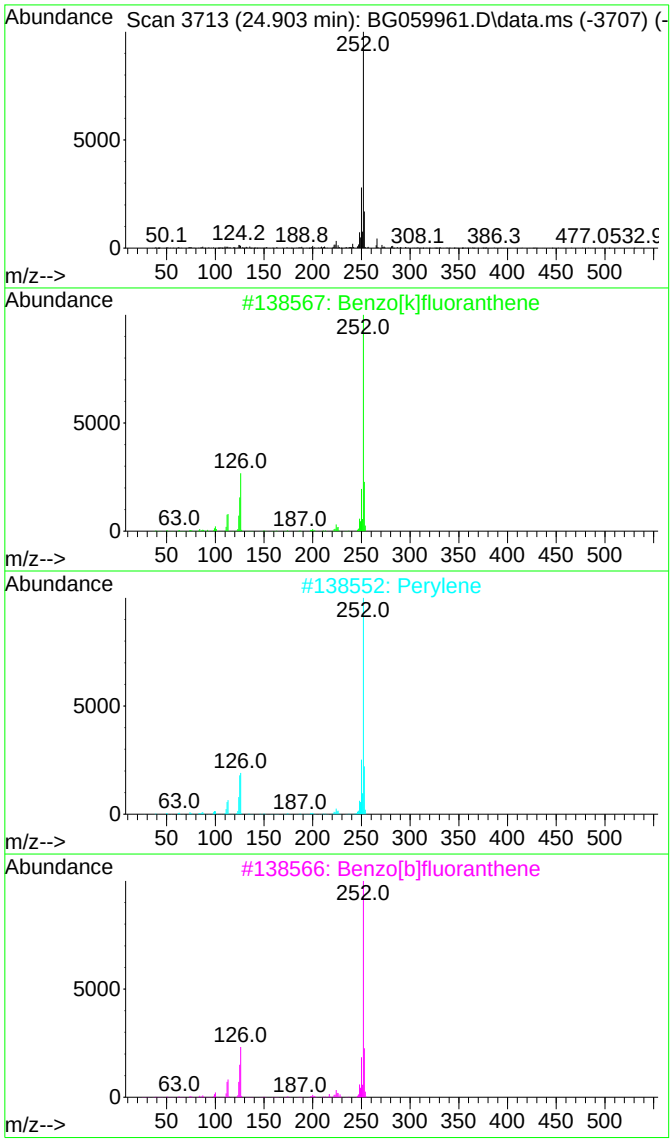
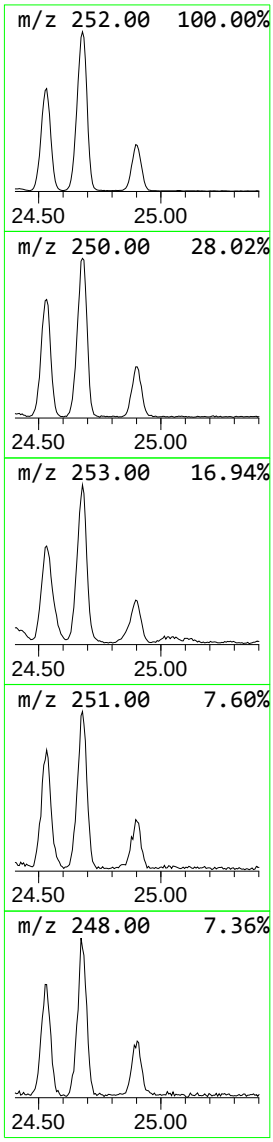
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.903	18.01 ng	4159000	Perylene-d12	24.826

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
2	Perylene	252	C20H12	000198-55-0	68
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	68
4	Benzo[e]pyrene	252	C20H12	000192-97-2	68
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
Data File : BG059961.D
Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.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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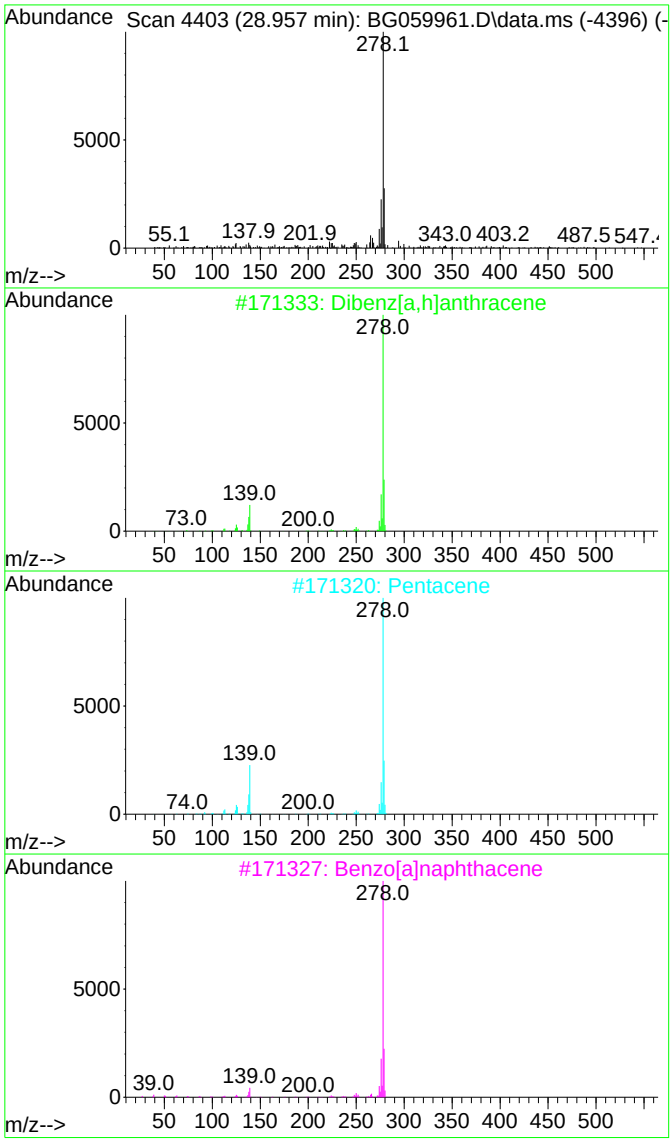
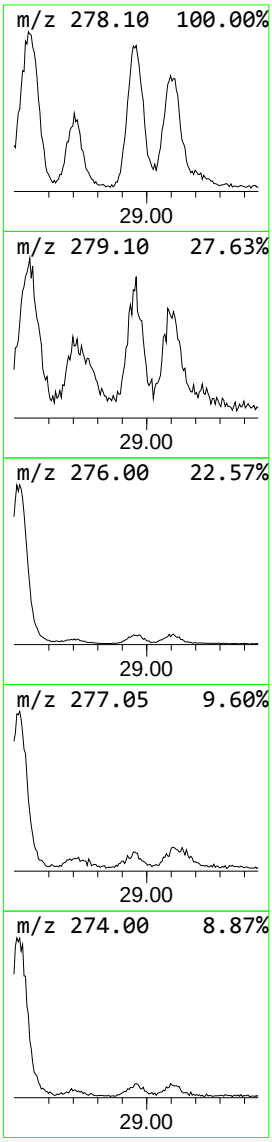
Peak Number 20 Pentacene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.957	4.57 ng	1056330	Perylene-d12	24.826

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	76
2	Pentacene	278	C22H14	000135-48-8	68
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	68
4	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	62
5	Dibenz[a,j]anthracene	278	C22H14	000224-41-9	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
Data File : BG059961.D
Acq On : 5 Dec 2023 22:51
Operator : MA/JU
Sample : 05595-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-113023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.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, 2,...	13.916	4.1	ng	391263	3	14.597	1917990	20.0
9H-Fluorene, 1-...	16.648	4.6	ng	608877	4	17.347	2622300	20.0
Dibenzothiophene	17.165	4.3	ng	561626	4	17.347	2622300	20.0
Phenanthrene, 2...	18.228	14.9	ng	1957940	4	17.347	2622300	20.0
Phenanthrene, 1...	18.275	17.8	ng	2332560	4	17.347	2622300	20.0
Anthracene, 1-m...	18.357	6.6	ng	869715	4	17.347	2622300	20.0
4H-Cyclopenta[d...	18.422	26.6	ng	3485160	4	17.347	2622300	20.0
Phenanthrene, 4...	18.457	9.6	ng	1257730	4	17.347	2622300	20.0
6-Phenylbenzocy...	18.722	9.4	ng	1233930	4	17.347	2622300	20.0
9,10-Anthracene...	18.763	6.1	ng	805660	4	17.347	2622300	20.0
Phenanthrene, 3...	18.968	4.0	ng	524384	4	17.347	2622300	20.0
di-p-Tolylacety...	19.021	5.7	ng	749122	4	17.347	2622300	20.0
Phenanthrene, 2...	19.057	4.0	ng	524015	4	17.347	2622300	20.0
Phenanthrene, 2...	19.139	15.0	ng	1971480	4	17.347	2622300	20.0
unknown19.203	19.203	8.7	ng	1143380	4	17.347	2622300	20.0
2,4-Dichloro-3-...	19.280	11.3	ng	1484550	4	17.347	2622300	20.0
Benzo[e]pyrene	24.062	10.9	ng	2520800	6	24.826	4618760	20.0
Perylene	24.532	34.8	ng	8035360	6	24.826	4618760	20.0
Benzo[j]fluoran...	24.903	18.0	ng	4159000	6	24.826	4618760	20.0
Pentacene	28.957	4.6	ng	1056330	6	24.826	4618760	20.0