LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110121\
Data File : BG050799.D
Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

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: BG050799.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.774	383	389	398	rBV	306131	524283	23.86%	1.765%
2	7.384	654	663	672	rBV	316162	576398	26.23%	1.940%
3	8.236	802	808	815	rVB	155390	276189	12.57%	0.930%
4	9.411	1000	1008	1020	rVB	197642	367253	16.71%	1.236%
5	10.809	1240	1246	1255	rBV2	22487	45099	2.05%	0.152%
6	11.003	1271	1279	1283	rBV2	14765	26327	1.20%	0.089%
7	11.068	1283	1290	1295	rVV	216222	417502	19.00%	1.405%
8	11.115	1295	1298	1305	rVV	38618	63735	2.90%	0.215%
9	12.431	1517	1522	1529	rBV	26034	40123	1.83%	0.135%
10	12.701	1564	1568	1574	rVB2	28040	49431	2.25%	0.166%
11	12.919	1598	1605	1615	rBV2	27495	57563	2.62%	0.194%
12	13.371	1676	1682	1688	rBV3	17495	28338	1.29%	0.095%
13	13.483	1692	1701	1712	rVB	452548	705107	32.08%	2.374%
14	13.659	1724	1731	1735	rBV	42912	73506	3.34%	0.247%
15	14.182	1815	1820	1825	rBV2	45539	77490	3.53%	0.261%
16	14.229	1825	1828	1833	rVB2	25720	40475	1.84%	0.136%
17	14.311	1838	1842	1846	rVB3	31258	46407	2.11%	0.156%
18	14.423	1856	1861	1870	rVB3	25692	53898	2.45%	0.181%
19	14.587	1883	1889	1897	rBV2	62819	126827	5.77%	0.427%
20	14.722	1908	1912	1916	rVB2	48274	64772	2.95%	0.218%
21	14.858	1921	1935	1941	rBV	331646	584324	26.59%	1.967%
22	14.922	1941	1946	1953	rVV	94514	153974	7.01%	0.518%
23	14.993	1953	1958	1964	rVB7	11309	23591	1.07%	0.079%
24	15.063	1964	1970	1978	rVB7	18794	42785	1.95%	0.144%
25	15.163	1980	1987	1992	rBV9	14133	37913	1.73%	0.128%
26	15.251	1995	2002	2010	rVB2	73974	148258	6.75%	0.499%
27	15.322	2010	2014	2023	rBV5	37125	69257	3.15%	0.233%
28	15.469	2032	2039	2043	rBV3	34918	73886	3.36%	0.249%
29	15.522	2044	2048	2052	rVB	21650	33816	1.54%	0.114%
30	15.639	2061	2068	2070	rBV5	22059	49122	2.24%	0.165%
31	15.668	2070	2073	2078	rVB2	76993	98808	4.50%	0.333%
32	15.903	2107	2113	2123	rVB2	127840	225604	10.27%	0.759%
33	16.062	2136	2140	2145	rVV5	41395	73834	3.36%	0.249%
34	16.191	2154	2162	2170	rVB4	33251	83556	3.80%	0.281%
35	16.344	2182	2188	2195	rVB	368108	570386	25.95%	1.920%
36	16.532	2215	2220	2222	rBV	77198	114194	5.20%	0.384%

LSC Area Percent Report

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Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

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	16.697	2245	2248	2253	rBV4	17977	30860	1.40%	0.104%
38	16.902	2275	2283	2287	rBV2	48687	103455	4.71%	0.348%
39	16.955	2289	2292	2296	rVB2	28142	39109	1.78%	0.132%
40	17.049	2305	2308	2312	rVB3	29347	47350	2.15%	0.159%
41	17.126	2314	2321	2325	rBV5	25651	73898	3.36%	0.249%
42	17.261	2340	2344	2348	rVB4	21985	37362	1.70%	0.126%
43	17.319	2350	2354	2359	rVV2	88255	131378	5.98%	0.442%
44	17.372	2360	2363	2367	rVV	40175	57404	2.61%	0.193%
45	17.425	2367	2372	2377	rVB	71655	116503	5.30%	0.392%
46	17.607	2397	2403	2406	rBV	380959	634056	28.85%	2.134%
47	17.648	2406	2410	2416	rVV	905288	1362886	62.02%	4.588%
48	17.737	2420	2425	2430	rVV	229327	367388	16.72%	1.237%
49	17.795	2432	2435	2439	rVB2	41447	58442	2.66%	0.197%
50	17.866	2444	2447	2452	rBV6	14231	27668	1.26%	0.093%
51	18.007	2466	2471	2476	rBV2	43090	81620	3.71%	0.275%
52	18.060	2476	2480	2486	rVB	74233	105245	4.79%	0.354%
53	18.113	2486	2489	2494	rBV	42935	58709	2.67%	0.198%
54	18.183	2497	2501	2506	rVV	68198	103335	4.70%	0.348%
55	18.236	2506	2510	2517	rVB	230559	295884	13.46%	0.996%
56	18.336	2521	2527	2534	rVB	42831	88195	4.01%	0.297%
57	18.477	2545	2551	2555	rBV	201097	343456	15.63%	1.156%
58	18.524	2555	2559	2564	rVB	255269	391900	17.83%	1.319%
59	18.606	2568	2573	2577	rBV	92742	138366	6.30%	0.466%
60	18.671	2577	2584	2588	rBV2	294773	622423	28.32%	2.095%
61	18.706	2588	2590	2594	rVB	153065	175721	8.00%	0.592%
62	18.747	2594	2597	2600	rBV	51919	56820	2.59%	0.191%
63	18.871	2614	2618	2621	rVB	38455	52960	2.41%	0.178%
64	18.965	2629	2634	2638	rBV	156018	225350	10.25%	0.759%
65	19.017	2639	2643	2652	rVB5	73587	150874	6.87%	0.508%
66	19.094	2652	2656	2658	rBV	20122	30989	1.41%	0.104%
67	19.205	2668	2675	2680	rBV5	73835	149981	6.82%	0.505%
68	19.258	2680	2684	2688	rBV	81476	107511	4.89%	0.362%
69	19.299	2688	2691	2695	rVB2	63729	79964	3.64%	0.269%
70	19.370	2698	2703	2705	rBV	934821	1240859	56.46%	4.177%
71	19.399	2705	2708	2712	rVB2	544944	681112	30.99%	2.293%
72	19.529	2724	2730	2743	rBV4	202663	415204	18.89%	1.398%
73	19.646	2744	2750	2756	rBV	1307183	2041675	92.90%	6.873%
74	19.699	2756	2759	2762	rVV2	57252	76599	3.49%	0.258%
75	19.740	2762	2766	2771	rVB2	59795	82556	3.76%	0.278%
76	19.793	2773	2775	2779	rVB	33313	38222	1.74%	0.129%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110121\
Data File : BG050799.D
Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

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	19.887	2786	2791	2798	rBV3	77751	170070	7.74%	0.573%
78	19.975	2802	2806	2807	rVV	203309	254491	11.58%	0.857%
79	20.010	2807	2812	2819	rVV	1419812	2197647	100.00%	7.398%
80	20.075	2819	2823	2828	rVB	121045	176380	8.03%	0.594%
81	20.193	2838	2843	2847	rVB	679551	894273	40.69%	3.010%
82	20.234	2847	2850	2858	rVB3	53899	110776	5.04%	0.373%
83	20.334	2860	2867	2873	rBV4	150965	353647	16.09%	1.190%
84	20.492	2885	2894	2901	rVB	291033	696646	31.70%	2.345%
85	20.592	2907	2911	2915	rBV	204894	275322	12.53%	0.927%
86	20.651	2917	2921	2925	rVB	194890	266120	12.11%	0.896%
87	20.792	2941	2945	2949	rBV	193726	275685	12.54%	0.928%
88	20.839	2949	2953	2961	rVB2	180749	320578	14.59%	1.079%
89	21.274	3023	3027	3033	rVB2	105484	189810	8.64%	0.639%
90	21.468	3057	3060	3063	rBV	91015	112793	5.13%	0.380%
91	21.509	3064	3067	3072	rVB2	136576	202403	9.21%	0.681%
92	21.562	3072	3076	3081	rBV3	101810	170598	7.76%	0.574%
93	21.891	3125	3132	3139	rBV2	671350	1799930	81.90%	6.059%
94	21.955	3139	3143	3155	rVB	540305	983960	44.77%	3.312%
95	22.114	3166	3170	3175	rBV	85535	137782	6.27%	0.464%
96	24.229	3522	3530	3538	rBV	283593	1006012	45.78%	3.387%
97	24.999	3654	3661	3676	rVB2	207026	648296	29.50%	2.182%
98	25.157	3679	3688	3700	rVB	321697	989157	45.01%	3.330%
99	25.316	3707	3715	3723	rBV2	174661	506644	23.05%	1.706%

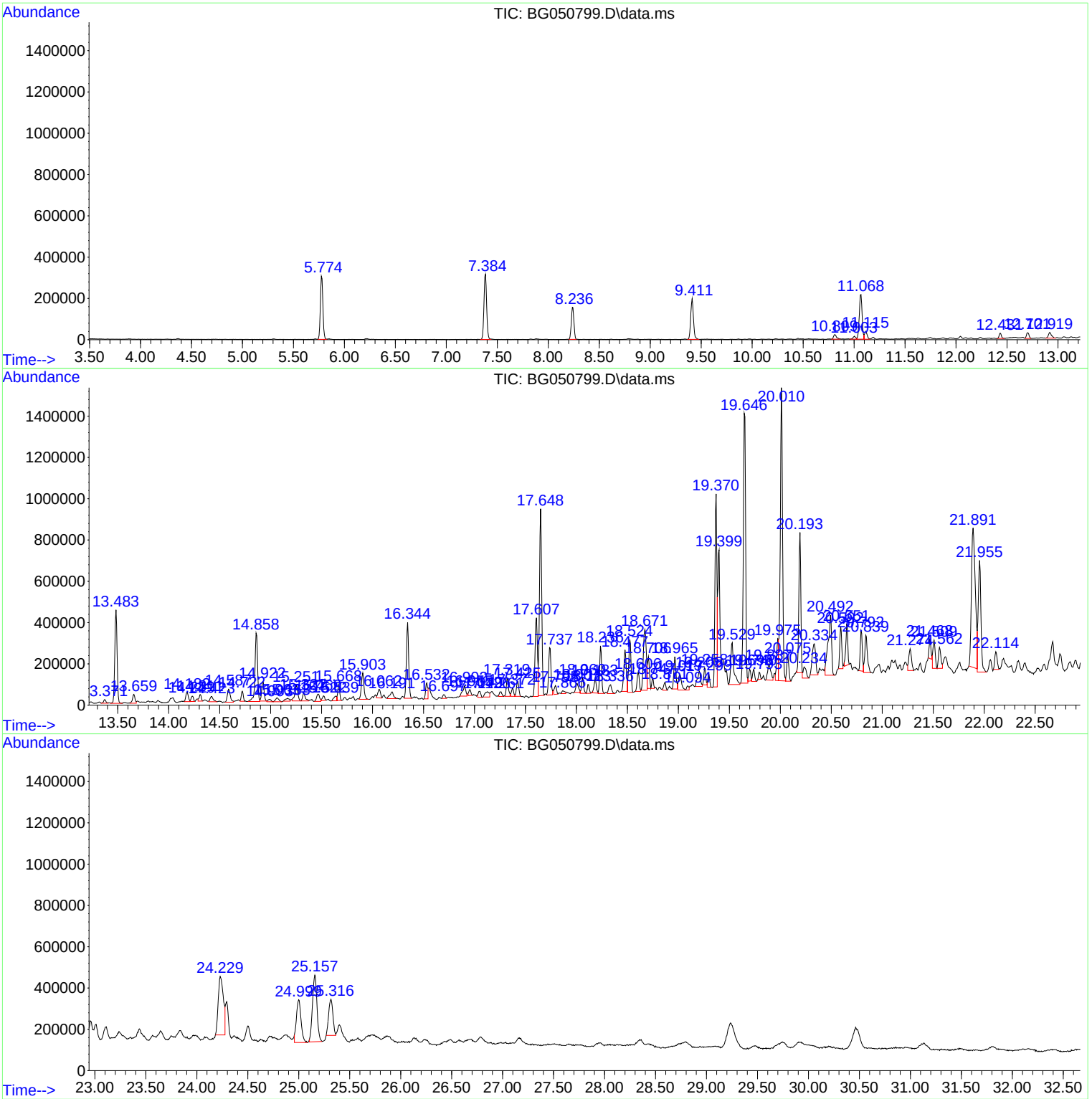
Sum of corrected areas: 29706340

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110121\
Data File : BG050799.D
Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

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\BG110121\
Data File : BG050799.D
Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
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Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

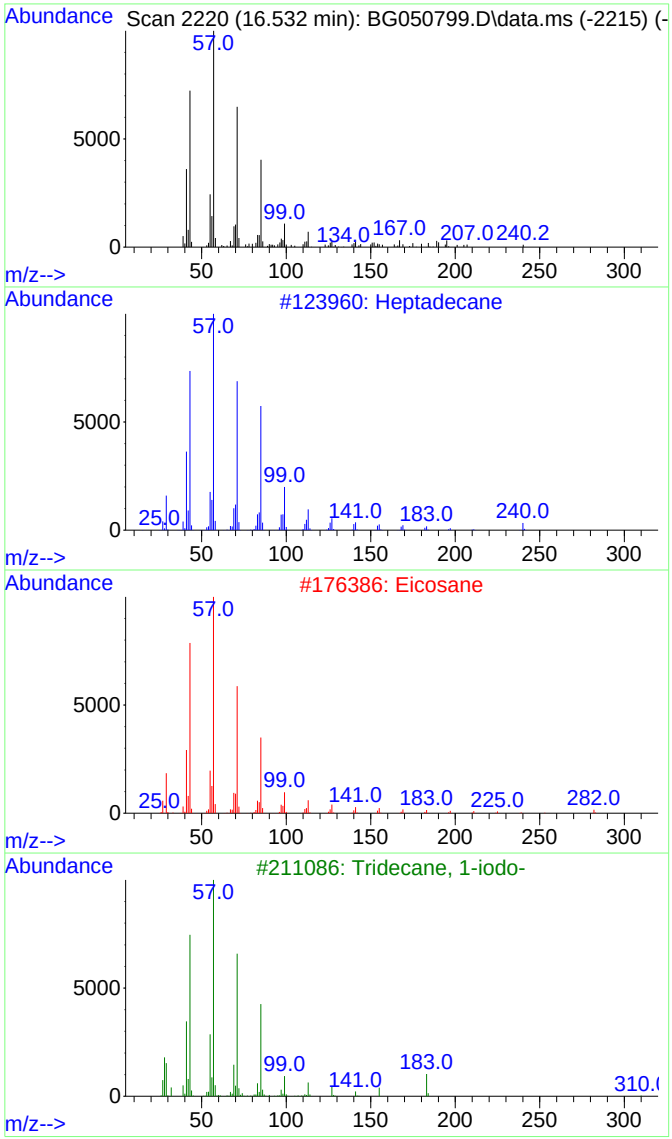
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

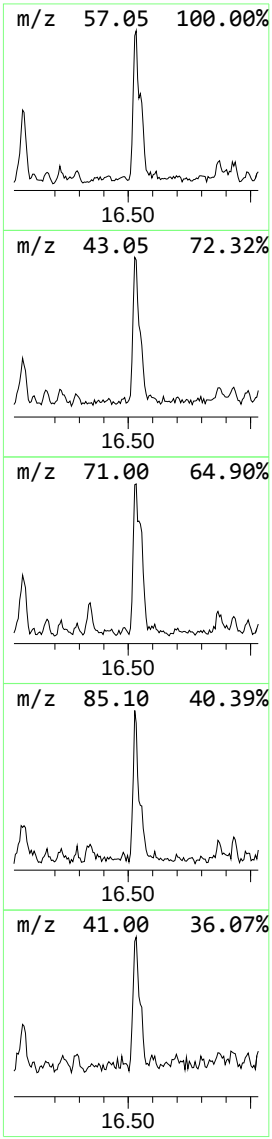
****

Peak Number 1 Heptadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.532	3.60 ng	114194	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Eicosane	282	C20H42	000112-95-8	90
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
4	Heptacosane	380	C27H56	000593-49-7	90
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110121\
Data File : BG050799.D
Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

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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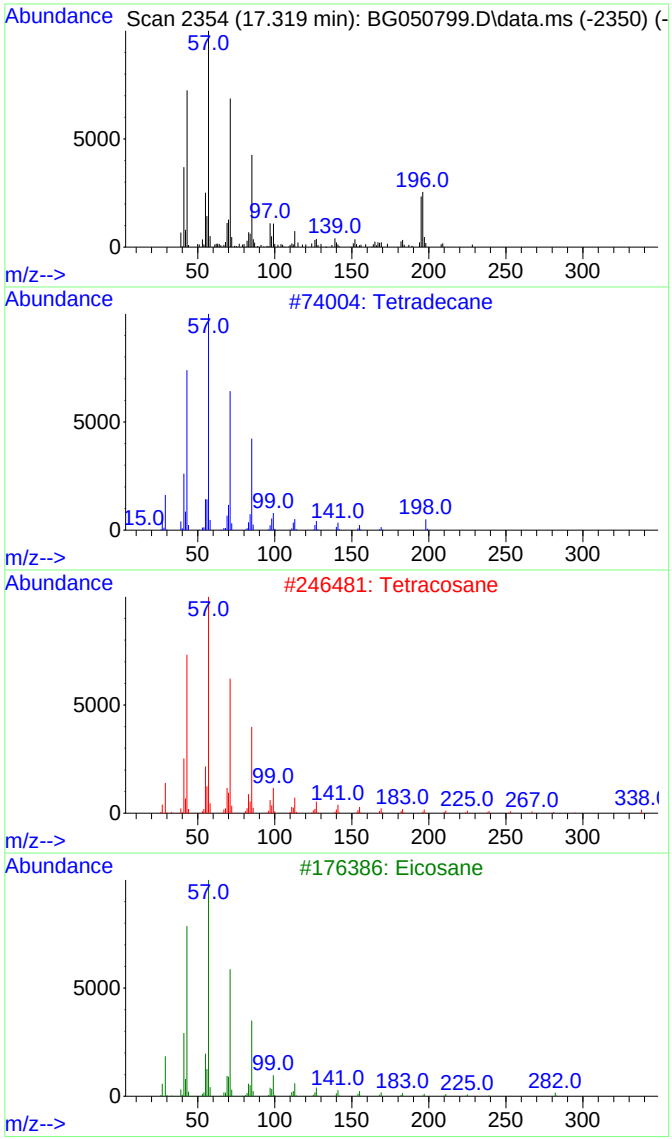
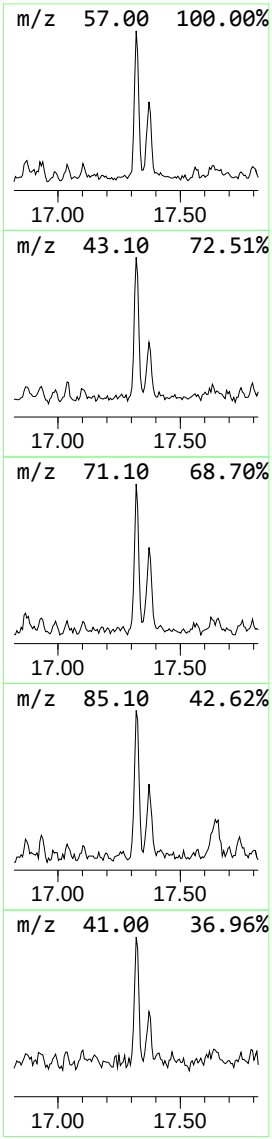
Peak Number 2 Tetradecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.320	4.14 ng	131378	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	64
2	Tetracosane	338	C24H50	000646-31-1	62
3	Eicosane	282	C20H42	000112-95-8	58
4	Nonadecane	268	C19H40	000629-92-5	58
5	Octacosane	394	C28H58	000630-02-4	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110121\
Data File : BG050799.D
Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

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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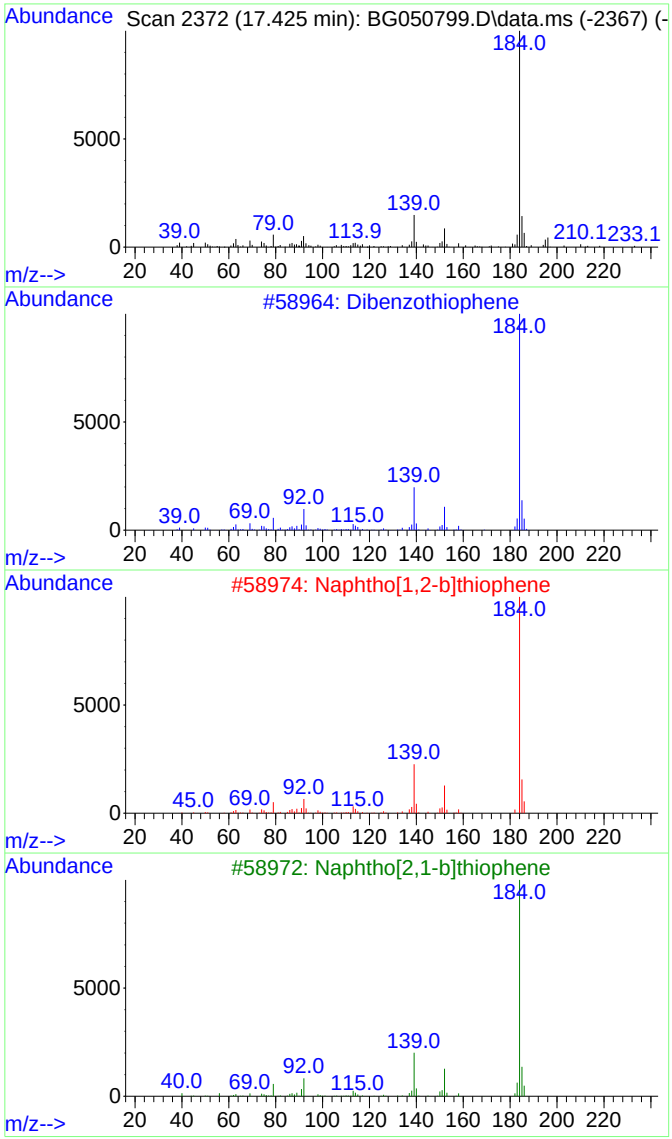
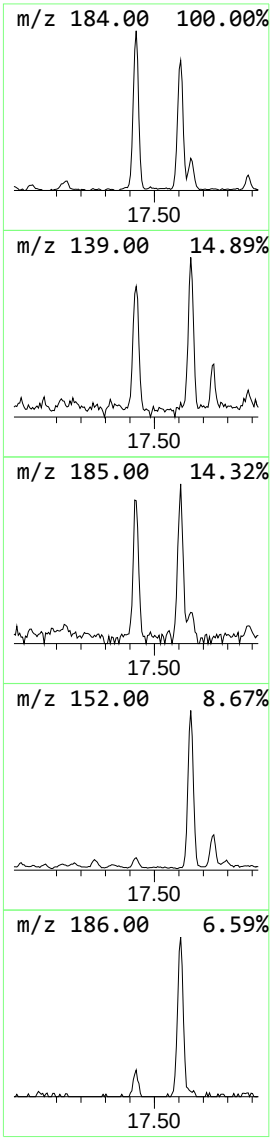
Peak Number 3 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.425	3.67 ng	116503	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110121\
Data File : BG050799.D
Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

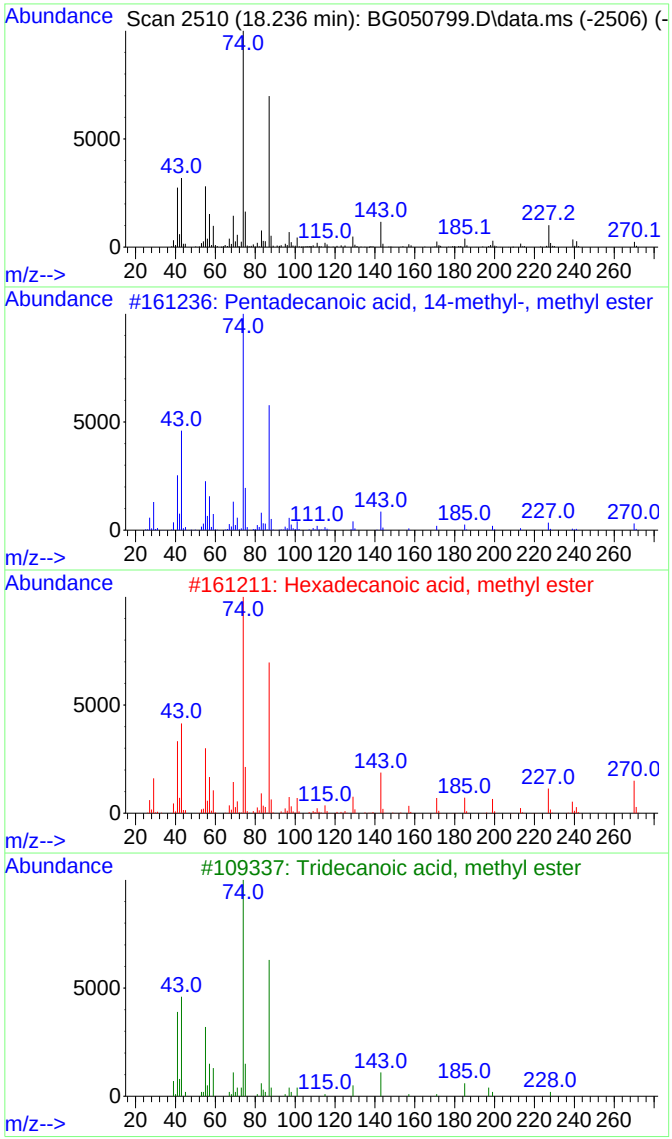
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

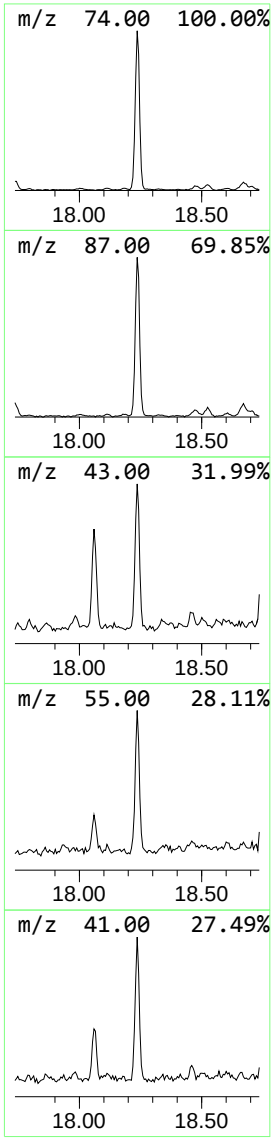
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentadecanoic acid, 14-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.236	9.33 ng	295884	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
2	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	91
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	86
5	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110121\
Data File : BG050799.D
Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

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

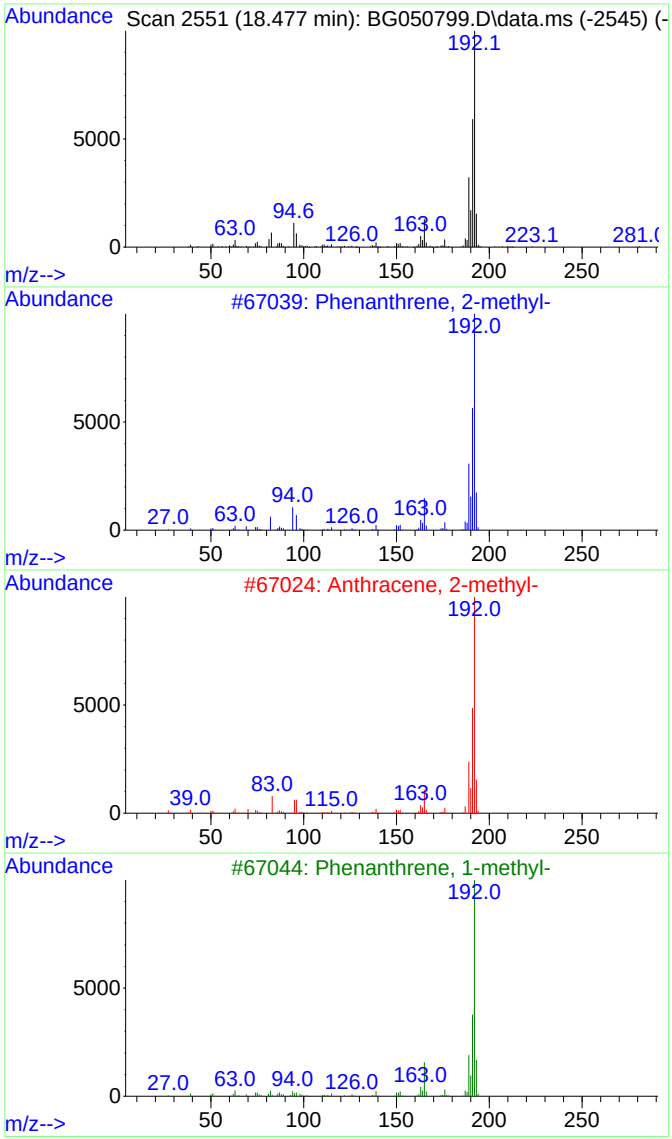
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

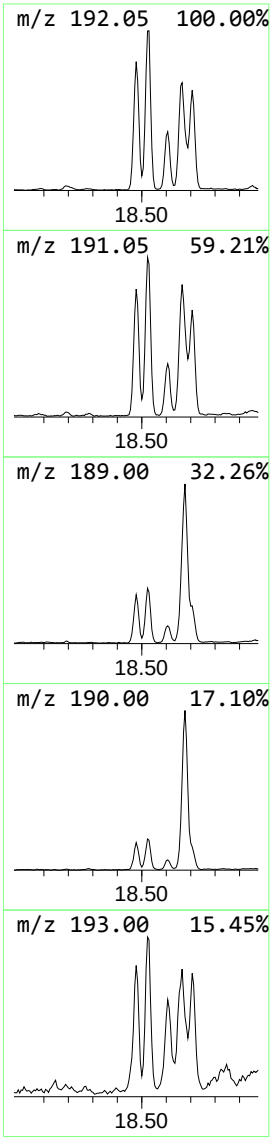
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.477	10.83 ng	343456	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-102921

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

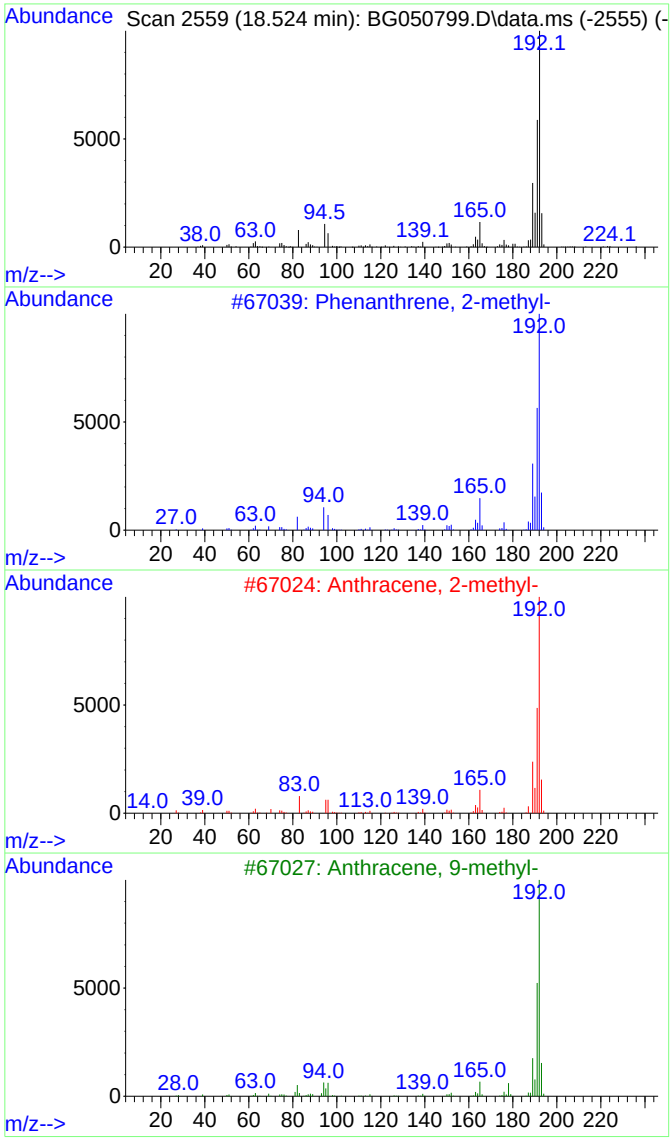
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

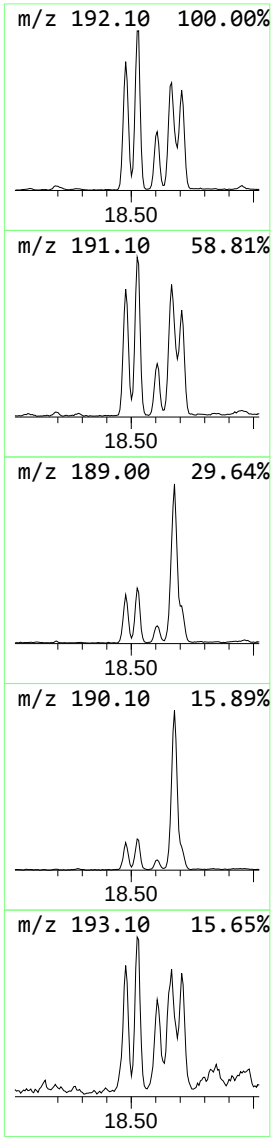
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.524	12.36 ng	391900	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-102921

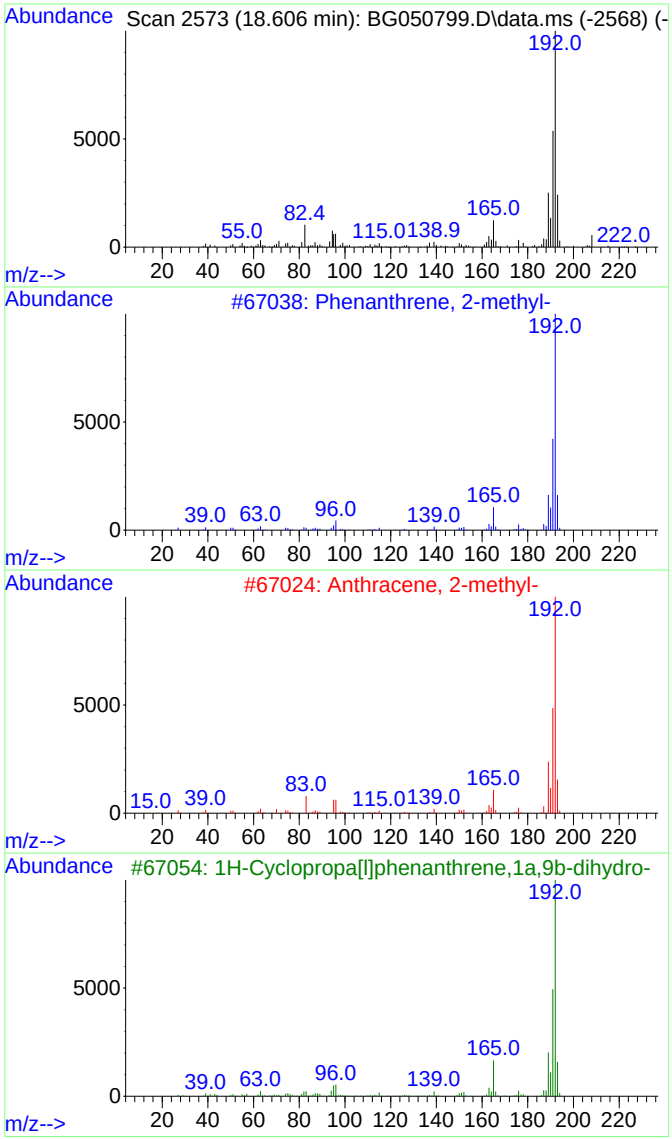
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

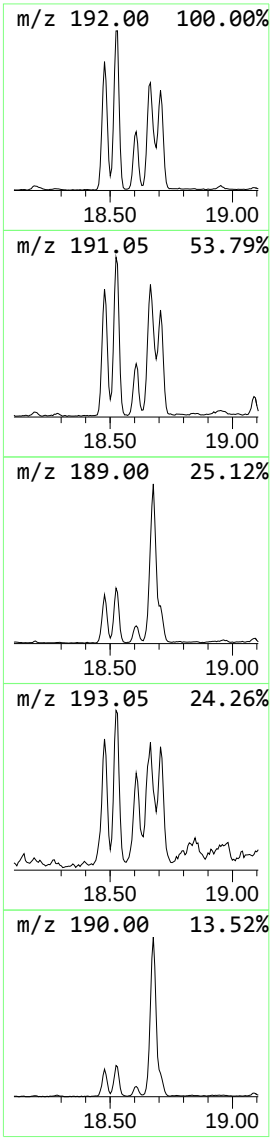
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.606	4.36 ng	138366	Phenanthrene-d10	17.607

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	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-102921

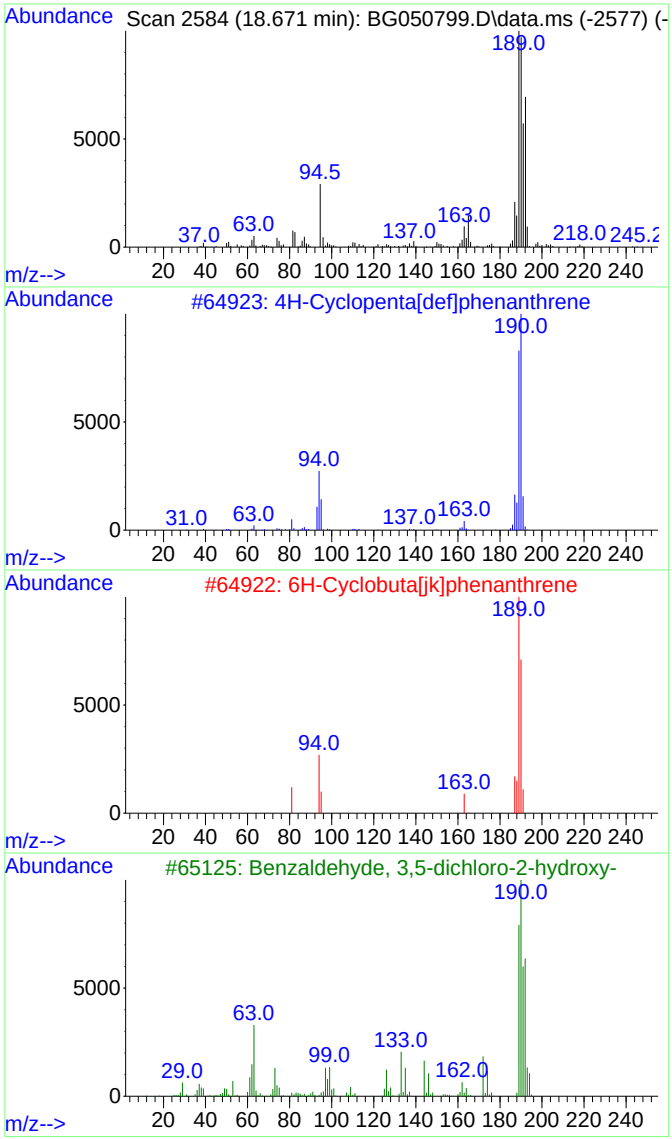
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

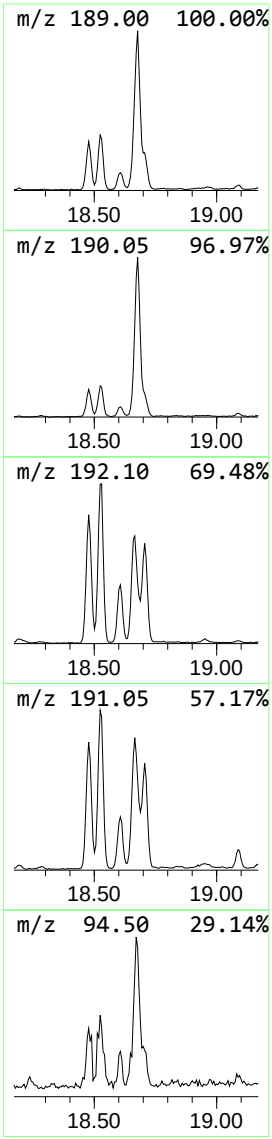
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.671	19.63 ng	622423	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	47
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	30
5	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27





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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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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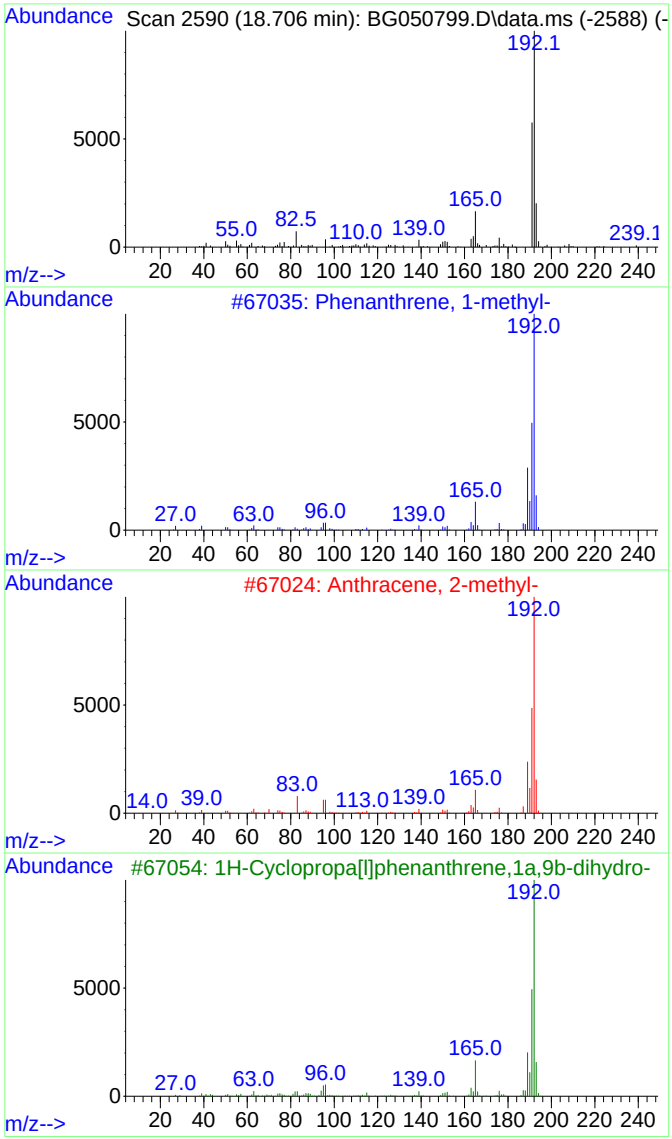
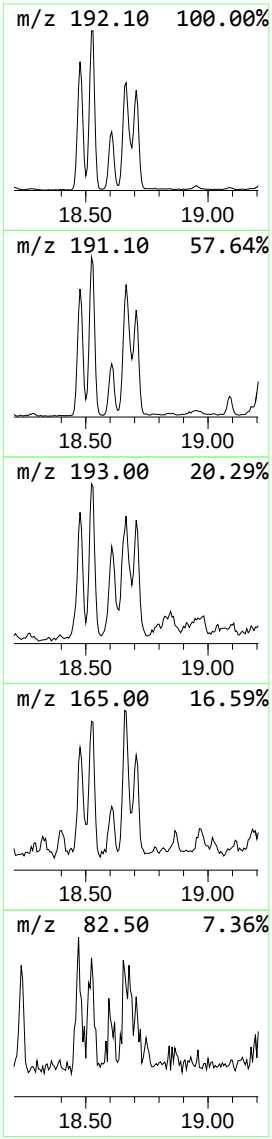
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.706	5.54 ng	175721	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Misc :
ALS Vial : 7 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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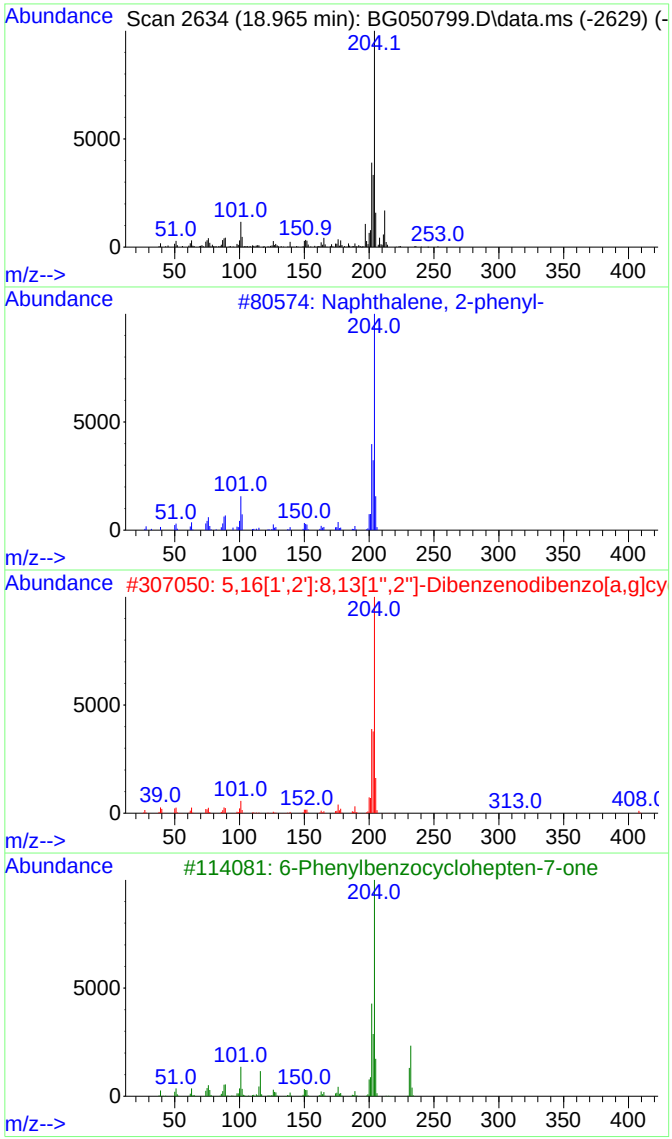
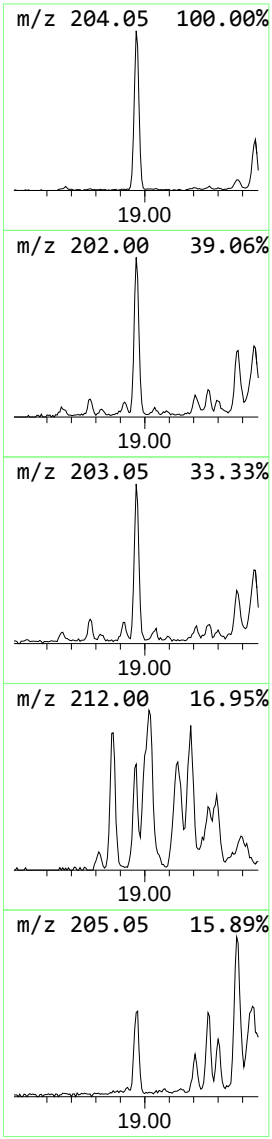
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.965	7.11 ng	225350	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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Misc :
ALS Vial : 7 Sample Multiplier: 1

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

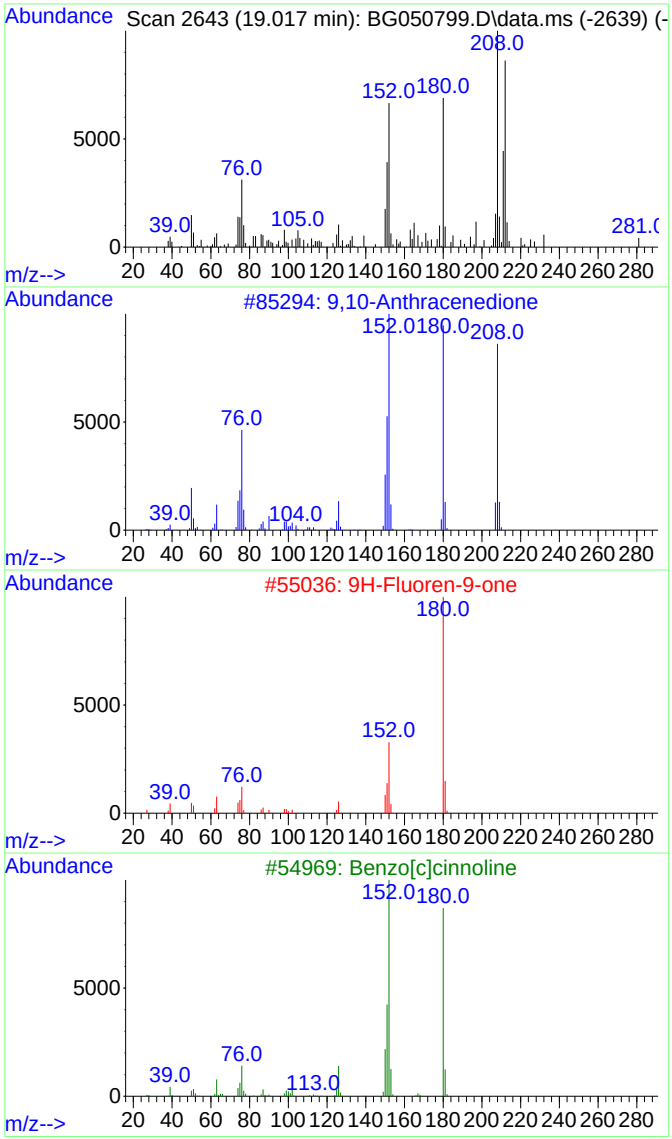
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

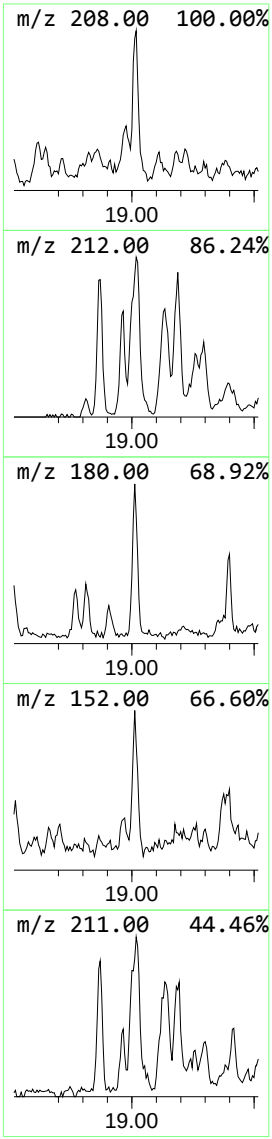
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.017	4.76 ng	150874	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	47
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	38
4	5,6,7,8-Tetrahydro-1-phenylnapht...	208	C16H16	067064-63-5	30
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	25





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Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

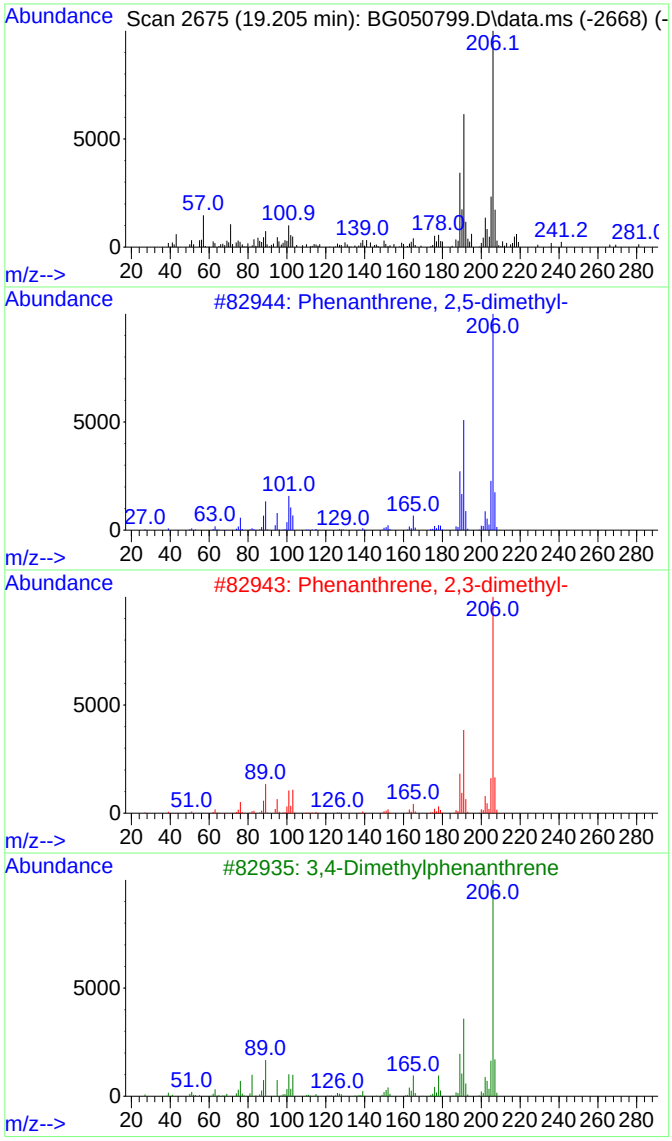
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

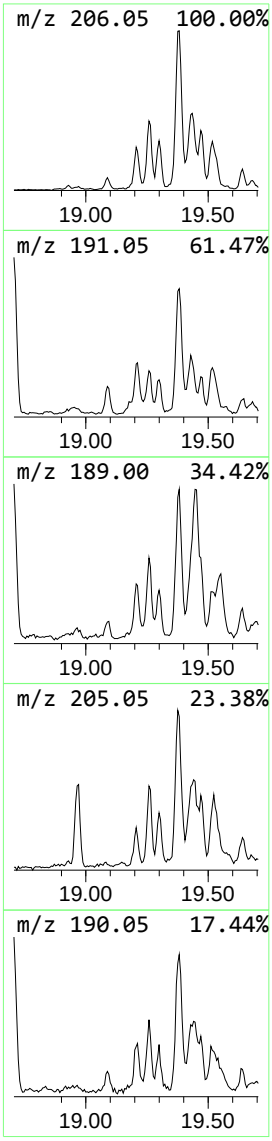
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.206	4.73 ng	149981	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93





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Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-102921

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

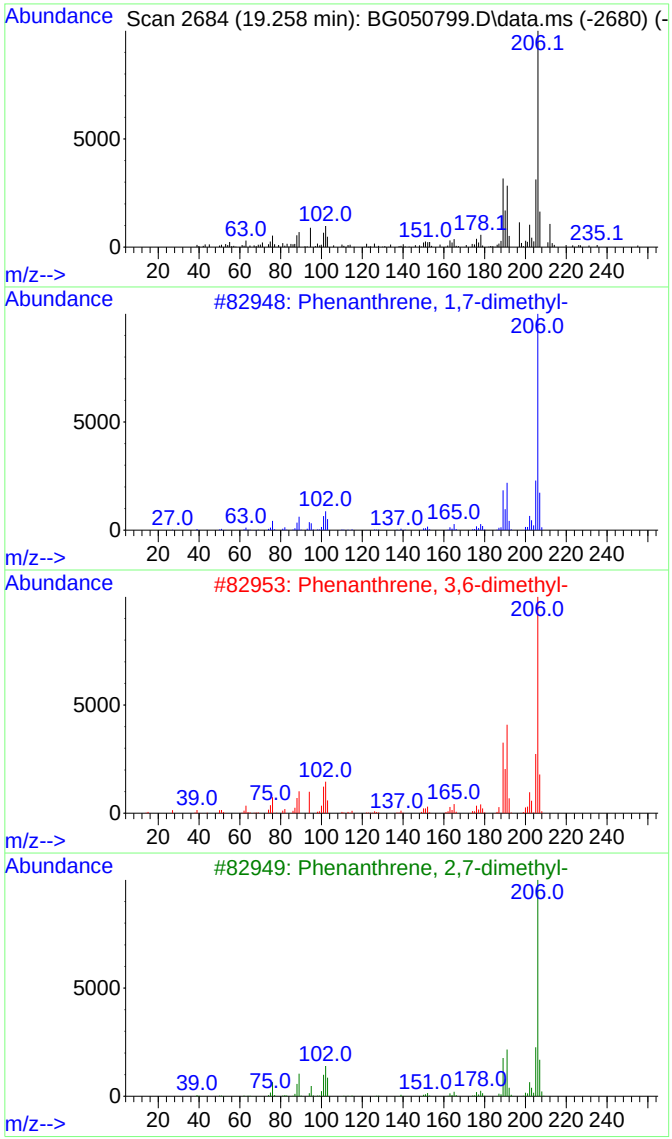
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

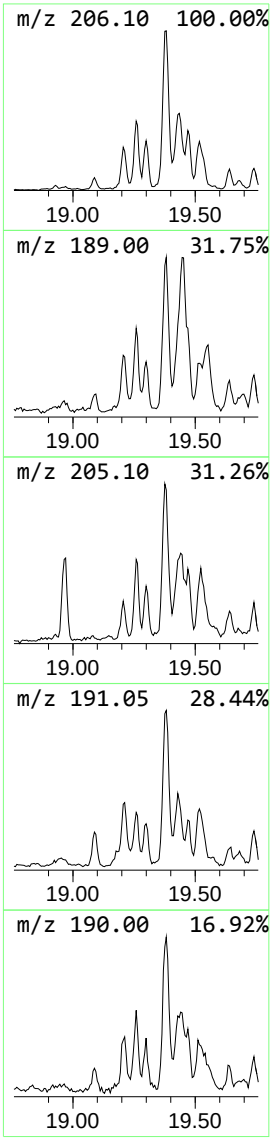
****

Peak Number 13 Phenanthrene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.258	3.39 ng	107511	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	76





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Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-102921

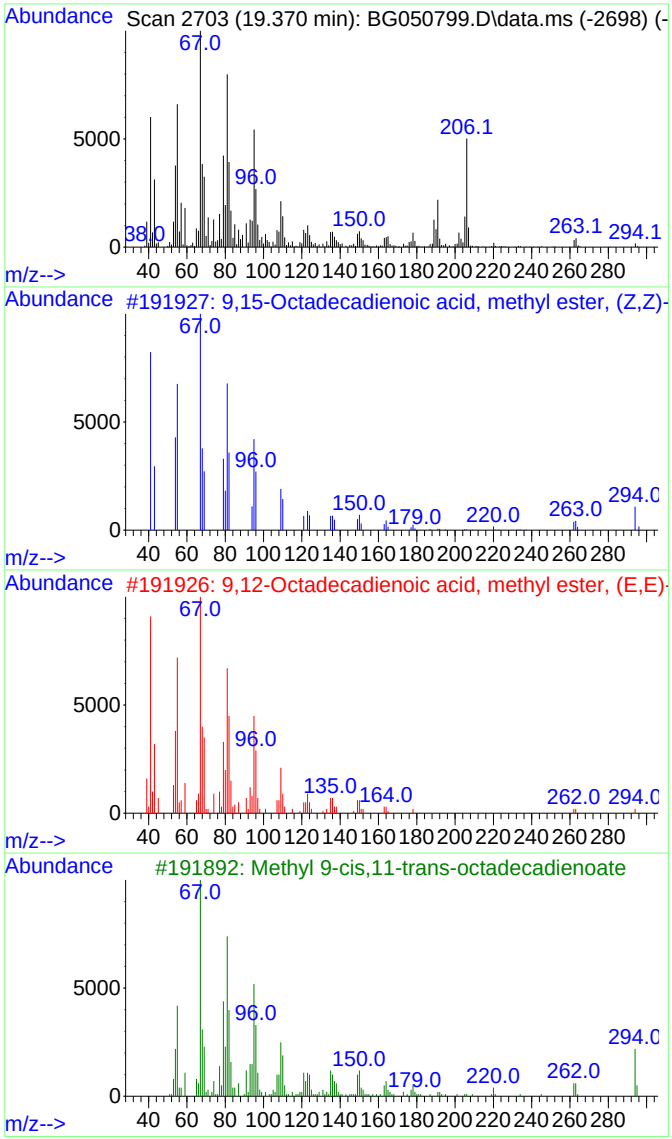
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

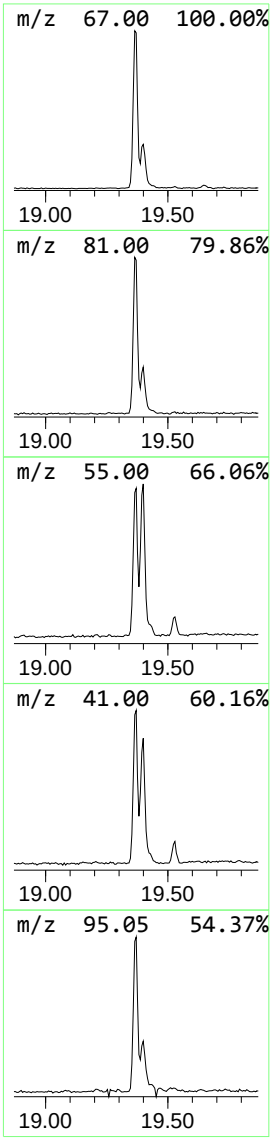
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9,15-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.370	39.14 ng	1240860	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	97
3	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	013058-52-1	95
4	9,11-Octadecadienoic acid, methy...	294	C19H34O2	013038-47-6	95
5	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	95





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Misc :
ALS Vial : 7 Sample Multiplier: 1

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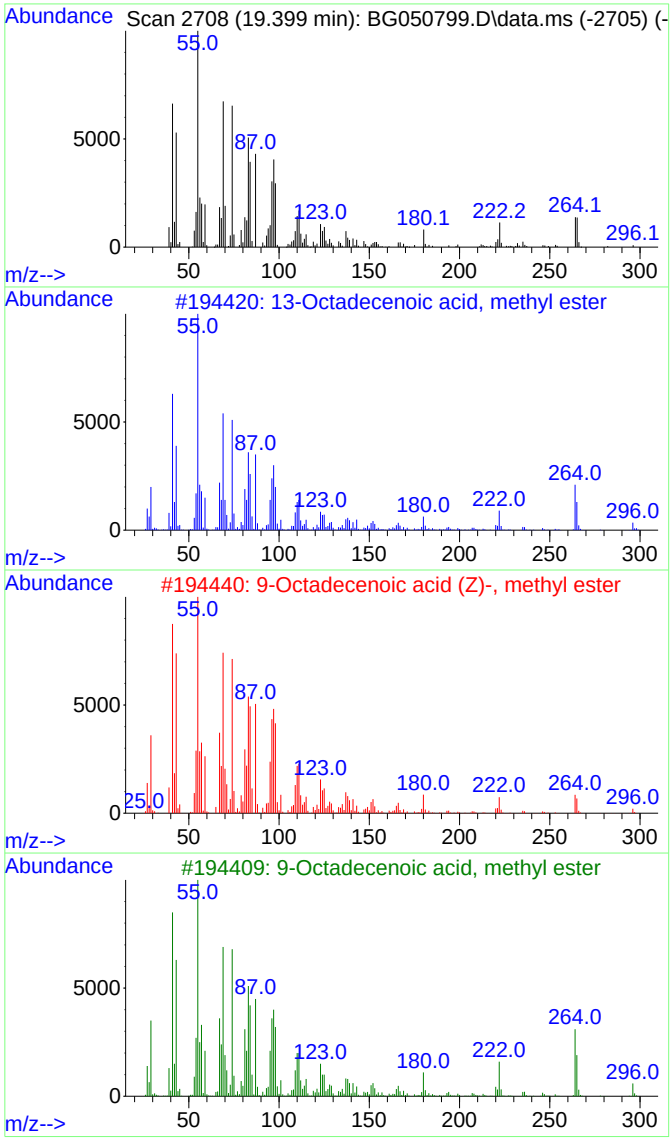
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

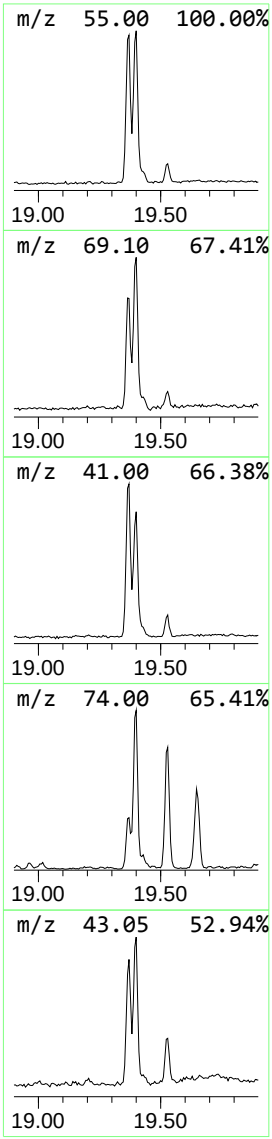
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 13-Octadecenoic acid, methy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.399	21.48 ng	681112	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	94
2	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	91
3	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	91
4	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	91
5	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	91





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ClientSampleId :
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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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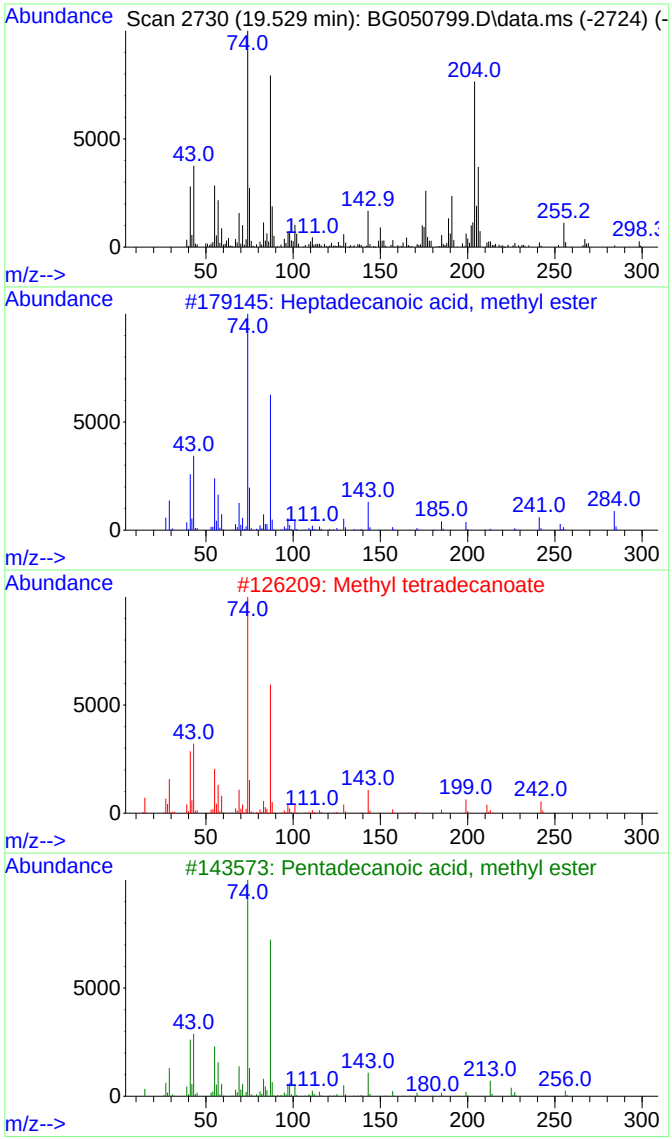
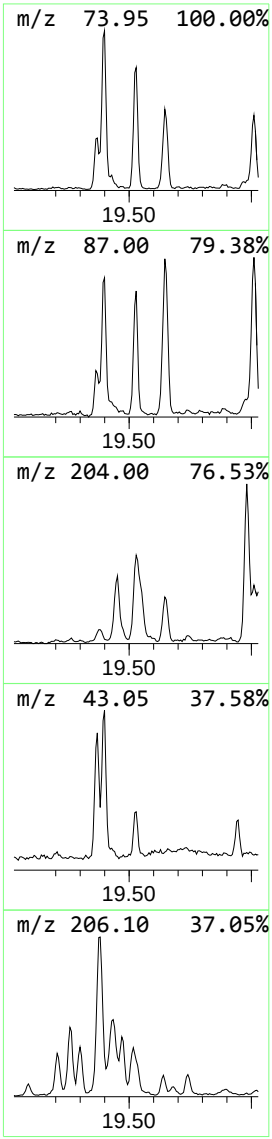
Peak Number 16 unknown19.529 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.529	13.10 ng	415204	Phenanthrene-d10	17.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	46
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	46
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	46
4	Methyl stearate	298	C19H38O2	000112-61-8	41
5	Methyl 8-methyl-nonanoate	186	C11H22O2	1000452-00-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110121\
Data File : BG050799.D
Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

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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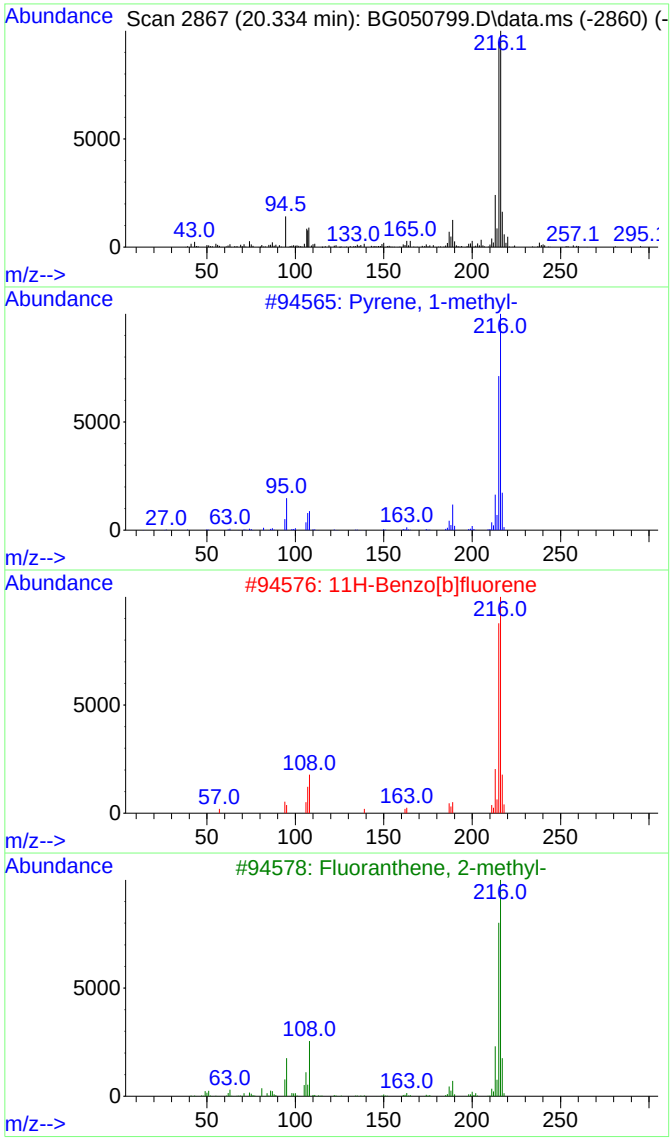
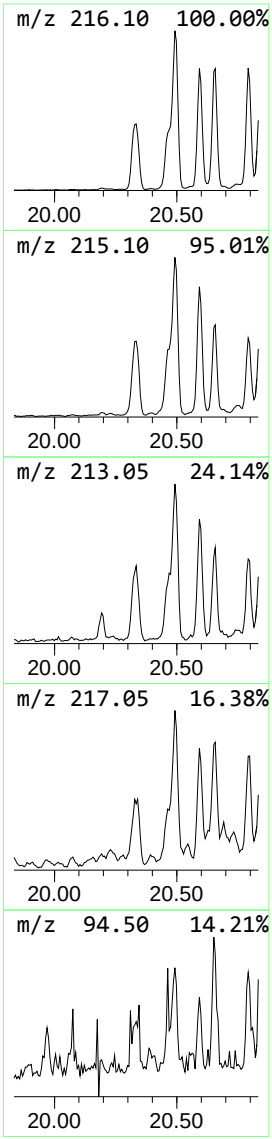
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.334	3.93 ng	353647	Chrysene-d12	21.908

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110121\
Data File : BG050799.D
Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

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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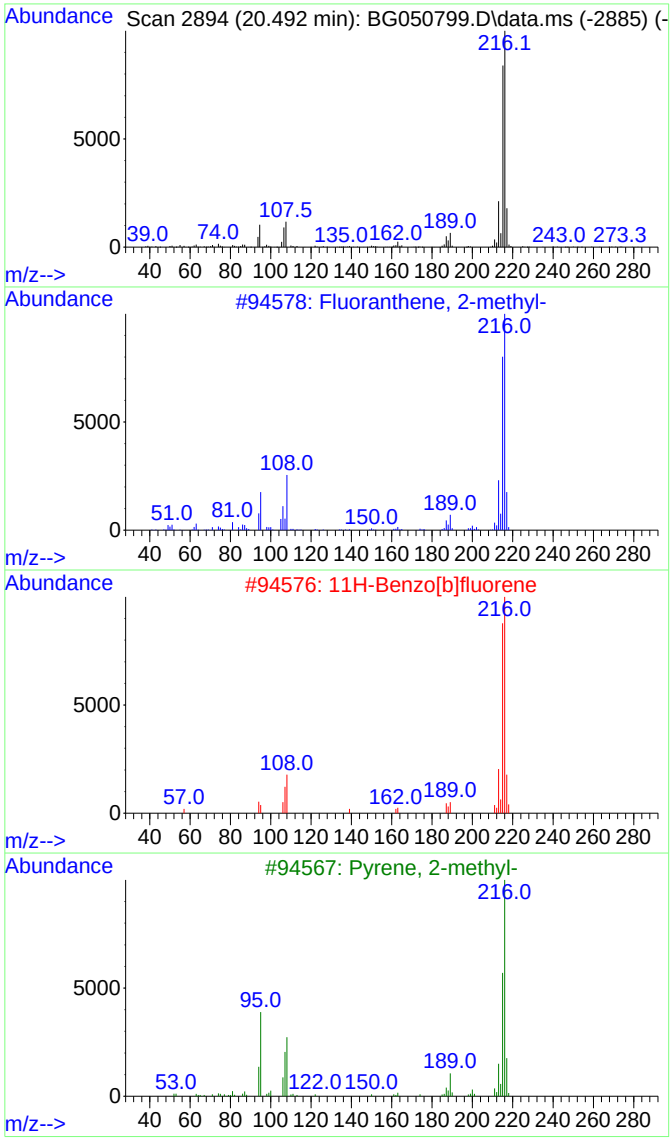
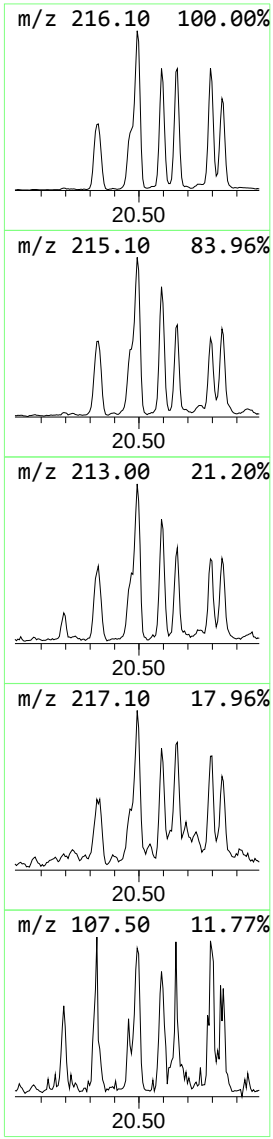
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.492	7.74 ng	696646	Chrysene-d12	21.908

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110121\
Data File : BG050799.D
Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

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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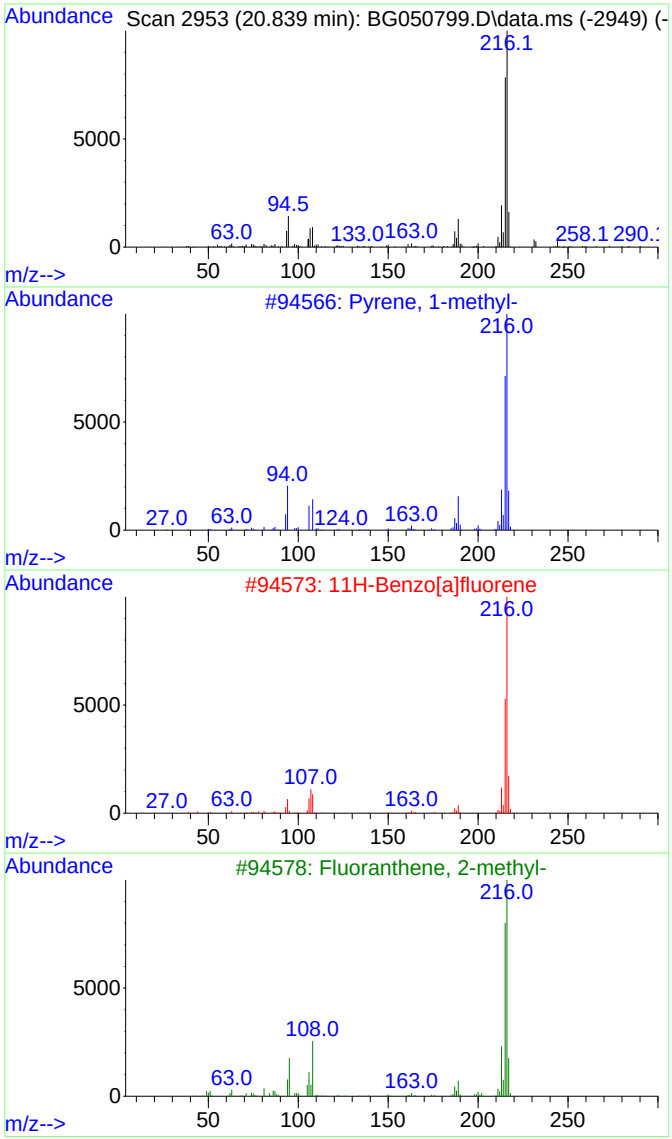
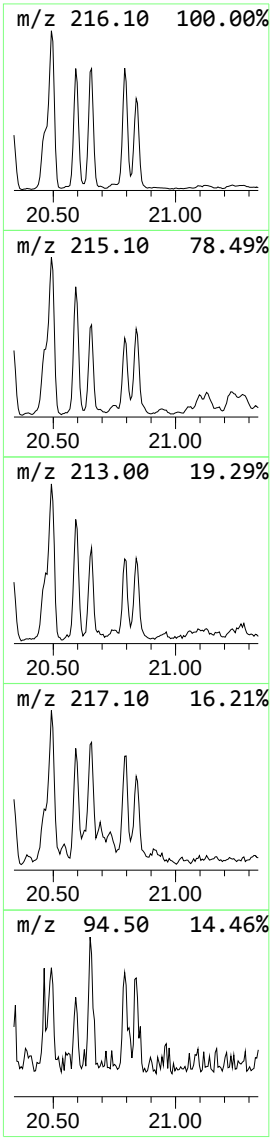
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.839	3.56 ng	320578	Chrysene-d12	21.908

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110121\
Data File : BG050799.D
Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

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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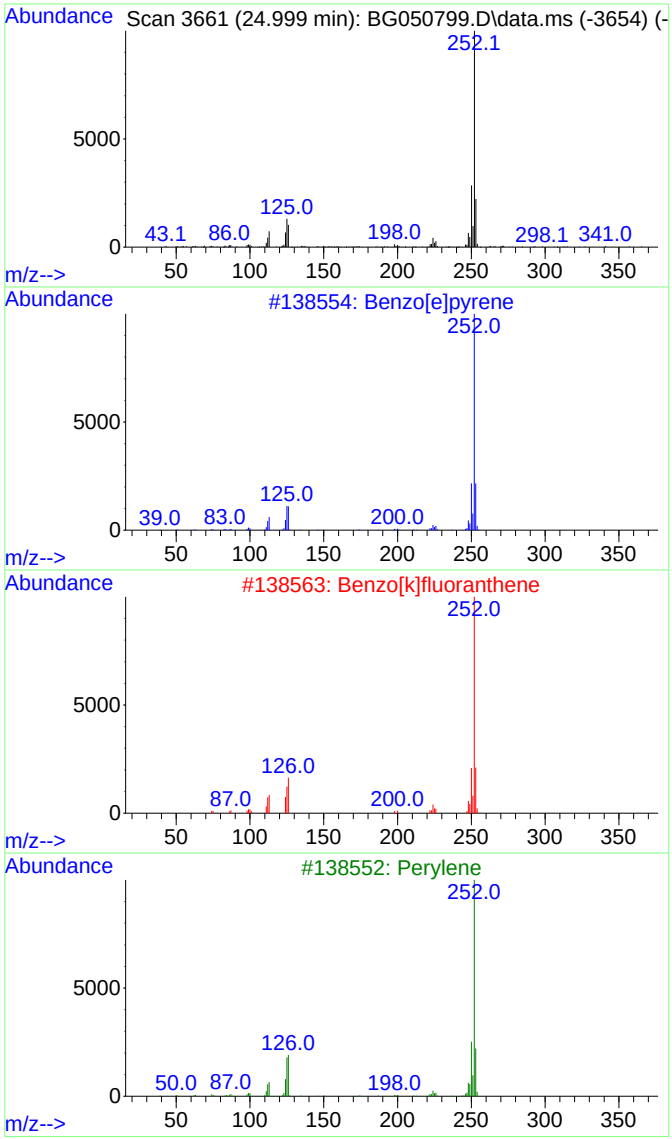
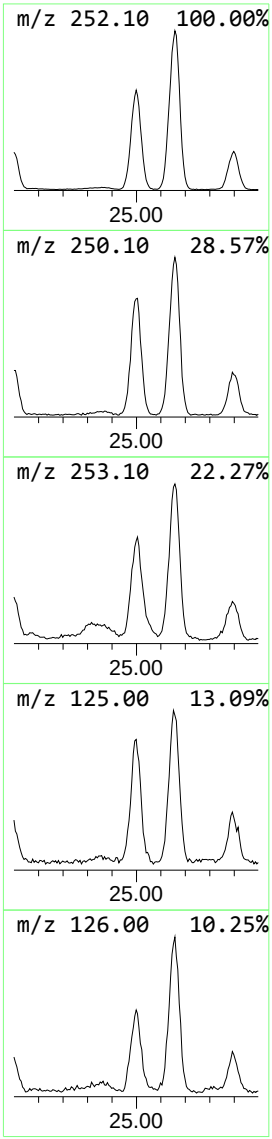
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.999	25.59 ng	648296	Perylene-d12	25.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110121\
Data File : BG050799.D
Acq On : 1 Nov 2021 15:12
Operator : CG/JU
Sample : M4422-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-102921

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
Heptadecane	16.532	3.6	ng	114194	4	17.607	634056	20.0
Tetradecane	17.320	4.1	ng	131378	4	17.607	634056	20.0
Dibenzothiophene	17.425	3.7	ng	116503	4	17.607	634056	20.0
Pentadecanoic a...	18.236	9.3	ng	295884	4	17.607	634056	20.0
Phenanthrene, 2...	18.477	10.8	ng	343456	4	17.607	634056	20.0
Anthracene, 2-m...	18.524	12.4	ng	391900	4	17.607	634056	20.0
1H-Cyclopropa[l...	18.606	4.4	ng	138366	4	17.607	634056	20.0
4H-Cyclopenta[d...	18.671	19.6	ng	622423	4	17.607	634056	20.0
Phenanthrene, 1...	18.706	5.5	ng	175721	4	17.607	634056	20.0
Naphthalene, 2-...	18.965	7.1	ng	225350	4	17.607	634056	20.0
9,10-Anthracene...	19.017	4.8	ng	150874	4	17.607	634056	20.0
Phenanthrene, 2...	19.206	4.7	ng	149981	4	17.607	634056	20.0
Phenanthrene, 1...	19.258	3.4	ng	107511	4	17.607	634056	20.0
9,15-Octadecadi...	19.370	39.1	ng	1240860	4	17.607	634056	20.0
13-Octadecenoic...	19.399	21.5	ng	681112	4	17.607	634056	20.0
unknown19.529	19.529	13.1	ng	415204	4	17.607	634056	20.0
11H-Benzo[b]flu...	20.334	3.9	ng	353647	5	21.908	1799930	20.0
Fluoranthene, 2...	20.492	7.7	ng	696646	5	21.908	1799930	20.0
Pyrene, 1-methyl-	20.839	3.6	ng	320578	5	21.908	1799930	20.0
Benzo[e]pyrene	24.999	25.6	ng	648296	6	25.316	506644	20.0