LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058888.D
Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-082423

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-BG081823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG058888.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.358	380	386	397	rBV	213800	344823	28.53%	2.218%
2	6.962	652	659	672	rBV	222727	390188	32.28%	2.510%
3	7.785	793	799	807	rVB	83015	132397	10.95%	0.852%
4	8.948	990	997	1011	rBV	127445	235626	19.50%	1.516%
5	10.587	1268	1276	1282	rBV	113332	203520	16.84%	1.309%
6	13.055	1688	1696	1706	rBV	338755	518481	42.90%	3.335%
7	13.760	1811	1816	1822	rBV5	7156	14263	1.18%	0.092%
8	14.166	1880	1885	1890	rBV3	11426	20761	1.72%	0.134%
9	14.260	1897	1901	1908	rVB7	6613	13088	1.08%	0.084%
10	14.324	1908	1912	1917	rBV2	8225	14099	1.17%	0.091%
11	14.436	1921	1931	1939	rVV2	178143	288426	23.86%	1.855%
12	14.500	1939	1942	1949	rVB	13634	21832	1.81%	0.140%
13	14.835	1996	1999	2004	rVB4	9862	14775	1.22%	0.095%
14	15.059	2032	2037	2039	rBV6	7102	12548	1.04%	0.081%
15	15.223	2060	2065	2070	rBV7	7612	14523	1.20%	0.093%
16	15.276	2070	2074	2080	rVV2	8780	15303	1.27%	0.098%
17	15.488	2102	2110	2117	rBV2	22342	48566	4.02%	0.312%
18	15.693	2141	2145	2151	rVB4	10991	18500	1.53%	0.119%
19	15.781	2157	2160	2166	rVB6	11168	16916	1.40%	0.109%
20	15.928	2179	2185	2192	rVB	289367	430357	35.61%	2.768%
21	16.163	2222	2225	2231	rVB4	31647	49205	4.07%	0.316%
22	16.269	2238	2243	2245	rBV2	10339	17521	1.45%	0.113%
23	16.492	2274	2281	2285	rBV6	14083	25767	2.13%	0.166%
24	16.539	2285	2289	2293	rVV3	12869	19423	1.61%	0.125%
25	16.586	2293	2297	2302	rVV8	15025	25017	2.07%	0.161%
26	16.645	2305	2307	2311	rVB3	11524	12798	1.06%	0.082%
27	16.845	2336	2341	2347	rBV5	14635	27654	2.29%	0.178%
28	16.927	2349	2355	2359	rVV3	24054	43764	3.62%	0.281%
29	16.986	2361	2365	2376	rVB2	28341	74040	6.13%	0.476%
30	17.186	2393	2399	2402	rBV	211990	313586	25.95%	2.017%
31	17.227	2402	2406	2413	rVB	272928	383516	31.73%	2.467%
32	17.315	2417	2421	2426	rBV	52270	72209	5.97%	0.464%
33	17.585	2462	2467	2477	rBV5	22316	55342	4.58%	0.356%
34	17.667	2478	2481	2484	rVV	21462	28920	2.39%	0.186%
35	17.703	2484	2487	2491	rVV2	13582	20191	1.67%	0.130%
36	17.767	2493	2498	2504	rVB2	22121	43665	3.61%	0.281%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058888.D
Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-082423

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-BG081823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.949	2526	2529	2533	rBV6	9748	12312	1.02%	0.079%
38	18.073	2543	2550	2553	rBV2	149766	267702	22.15%	1.722%
39	18.108	2553	2556	2563	rVB	104516	143543	11.88%	0.923%
40	18.190	2566	2570	2574	rVV	26196	38984	3.23%	0.251%
41	18.255	2575	2581	2585	rVV2	104897	204420	16.91%	1.315%
42	18.290	2585	2587	2594	rVB	52400	68692	5.68%	0.442%
43	18.361	2596	2599	2605	rBV3	22250	30728	2.54%	0.198%
44	18.461	2612	2616	2621	rVB2	13220	19440	1.61%	0.125%
45	18.560	2628	2633	2637	rBV	54864	81835	6.77%	0.526%
46	18.607	2637	2641	2648	rVB2	37420	62576	5.18%	0.402%
47	18.807	2672	2675	2680	rVB3	20250	29778	2.46%	0.192%
48	18.854	2680	2683	2687	rBV	30064	36741	3.04%	0.236%
49	18.895	2687	2690	2695	rVB2	26637	31831	2.63%	0.205%
50	18.983	2699	2705	2709	rBV2	81314	157316	13.02%	1.012%
51	19.019	2709	2711	2718	rVB4	21330	49540	4.10%	0.319%
52	19.124	2724	2729	2740	rBV3	63416	146000	12.08%	0.939%
53	19.248	2740	2750	2755	rVV	778996	1208582	100.00%	7.774%
54	19.307	2757	2760	2763	rVV3	18482	25973	2.15%	0.167%
55	19.348	2763	2767	2771	rVB3	54324	68187	5.64%	0.439%
56	19.489	2786	2791	2794	rBV2	33847	50601	4.19%	0.325%
57	19.577	2801	2806	2807	rBV	136992	172487	14.27%	1.109%
58	19.612	2807	2812	2819	rVV	704892	1095707	90.66%	7.048%
59	19.677	2819	2823	2829	rVB3	58457	93312	7.72%	0.600%
60	19.806	2838	2845	2849	rBV	542096	710519	58.79%	4.570%
61	19.841	2849	2851	2859	rVB4	30477	51032	4.22%	0.328%
62	19.935	2860	2867	2875	rBV3	70850	207017	17.13%	1.332%
63	20.065	2884	2889	2890	rBV3	55880	78426	6.49%	0.504%
64	20.100	2892	2895	2900	rVB2	137599	193668	16.02%	1.246%
65	20.200	2908	2912	2916	rVB	75501	91445	7.57%	0.588%
66	20.258	2916	2922	2926	rBV2	109467	169638	14.04%	1.091%
67	20.399	2942	2946	2949	rBV	80014	108858	9.01%	0.700%
68	20.441	2950	2953	2958	rVB2	67852	93151	7.71%	0.599%
69	20.552	2966	2972	2977	rBV8	23053	61029	5.05%	0.393%
70	20.852	3019	3023	3029	rVB	84220	130888	10.83%	0.842%
71	20.940	3036	3038	3043	rVB3	24398	25592	2.12%	0.165%
72	21.022	3049	3052	3056	rVV2	66436	96113	7.95%	0.618%
73	21.069	3056	3060	3064	rVV2	68577	111065	9.19%	0.714%
74	21.110	3064	3067	3072	rVV2	65278	98806	8.18%	0.636%
75	21.175	3074	3078	3084	rVB	75544	131893	10.91%	0.848%
76	21.410	3112	3118	3125	rBV2	438266	1062957	87.95%	6.837%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058888.D
Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-082423

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-BG081823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.475	3125	3129	3140	rVB	360316	604674	50.03%	3.889%
78	21.616	3149	3153	3158	rVB	50653	74652	6.18%	0.480%
79	21.686	3161	3165	3175	rBV5	29976	74350	6.15%	0.478%
80	21.810	3183	3186	3193	rVB2	34429	72408	5.99%	0.466%
81	22.121	3236	3239	3245	rVB	84275	120171	9.94%	0.773%
82	22.379	3280	3283	3287	rBV	36992	50460	4.18%	0.325%
83	22.996	3383	3388	3398	rVB2	121035	241093	19.95%	1.551%
84	23.525	3469	3478	3484	rBV	272242	858338	71.02%	5.521%
85	23.760	3513	3518	3526	rVB	60987	140062	11.59%	0.901%
86	24.201	3587	3593	3606	rVB	167482	456283	37.75%	2.935%
87	24.348	3609	3618	3629	rVB	237056	676410	55.97%	4.351%
88	24.489	3635	3642	3649	rBV2	99997	246072	20.36%	1.583%
89	27.979	4224	4236	4259	rVB3	85607	432296	35.77%	2.781%

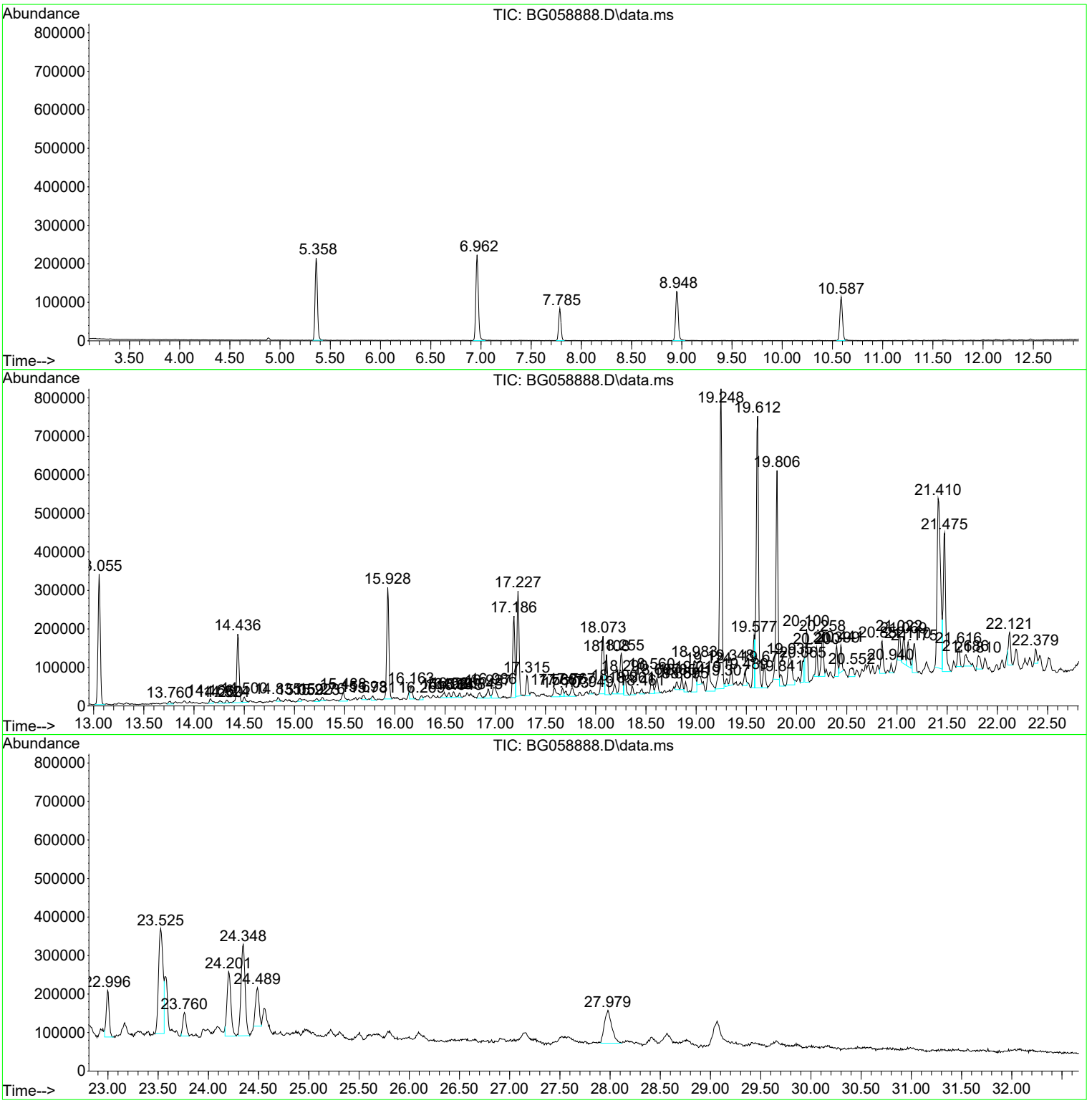
Sum of corrected areas: 15547263

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058888.D
Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-082423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.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\BG082923\
Data File : BG058888.D
Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-082423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

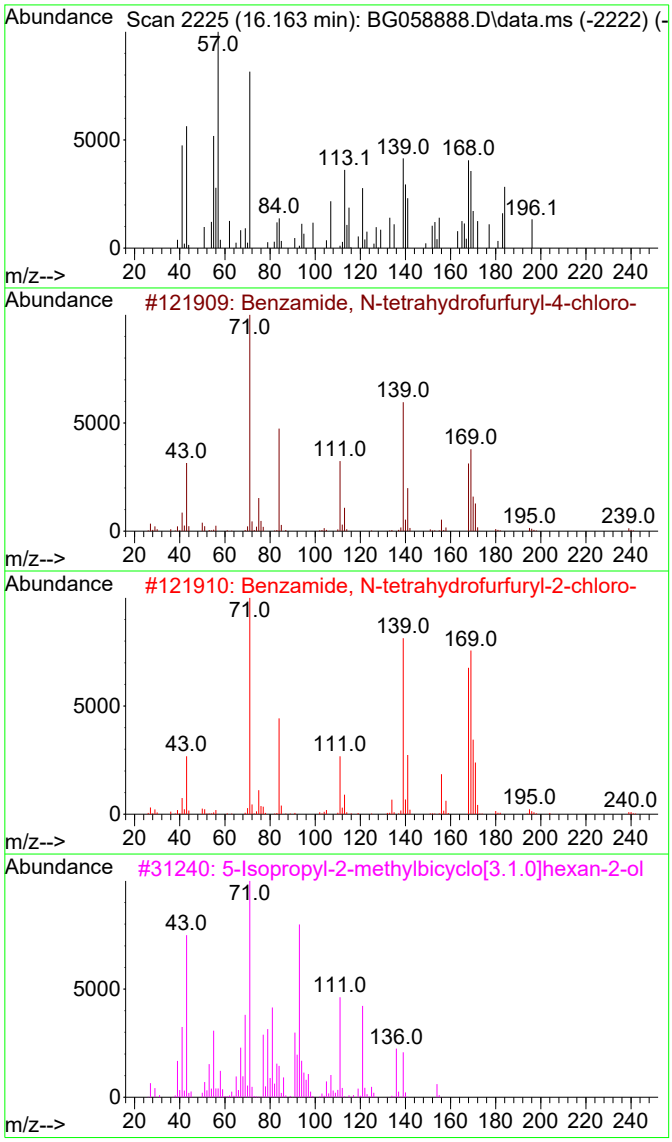
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

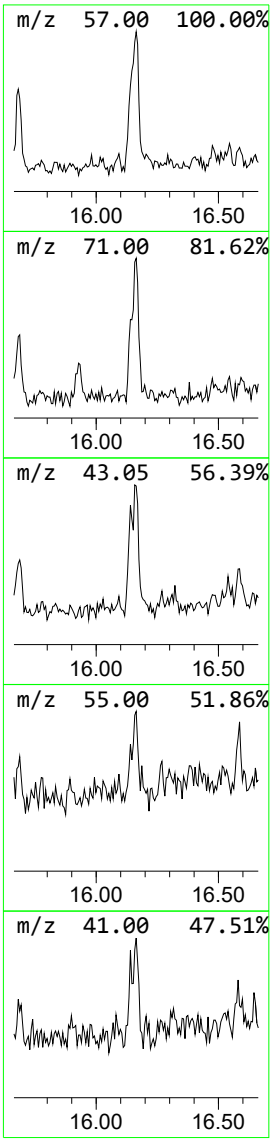
****

Peak Number 1 unknown16.163 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.163	3.14 ng	49205	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, N-tetrahydrofurfuryl-...	239	C12H14ClNO2	1000307-39-4	42
2	Benzamide, N-tetrahydrofurfuryl-...	239	C12H14ClNO2	1010306-97-7	42
3	5-Isopropyl-2-methylbicyclo[3.1....	154	C10H18O	000546-79-2	18
4	1,2-Cyclohexanediol, 1-methyl-4-...	172	C10H20O2	033669-76-0	14
5	Uracil, 3-methyl-1-(tetrahydrofu...	196	C9H12N2O3	1010151-99-4	14





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058888.D
Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-082423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

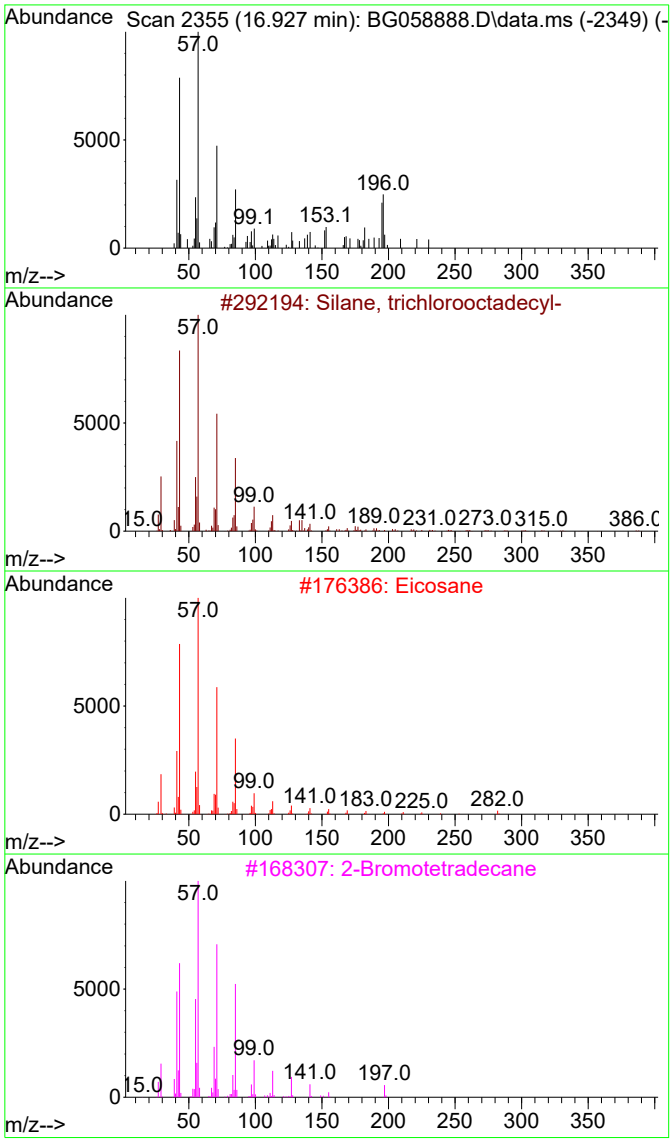
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

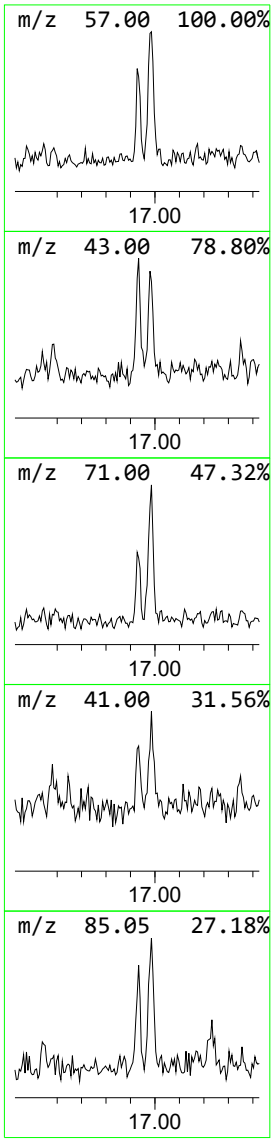
****

Peak Number 2 unknown16.927 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.927	2.79 ng	43764	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	43
2	Eicosane	282	C20H42	000112-95-8	43
3	2-Bromotetradecane	276	C14H29Br	074036-95-6	43
4	Octadecane, 2-methyl-	268	C19H40	001560-88-9	43
5	Tetracosane	338	C24H50	000646-31-1	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058888.D
Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-082423

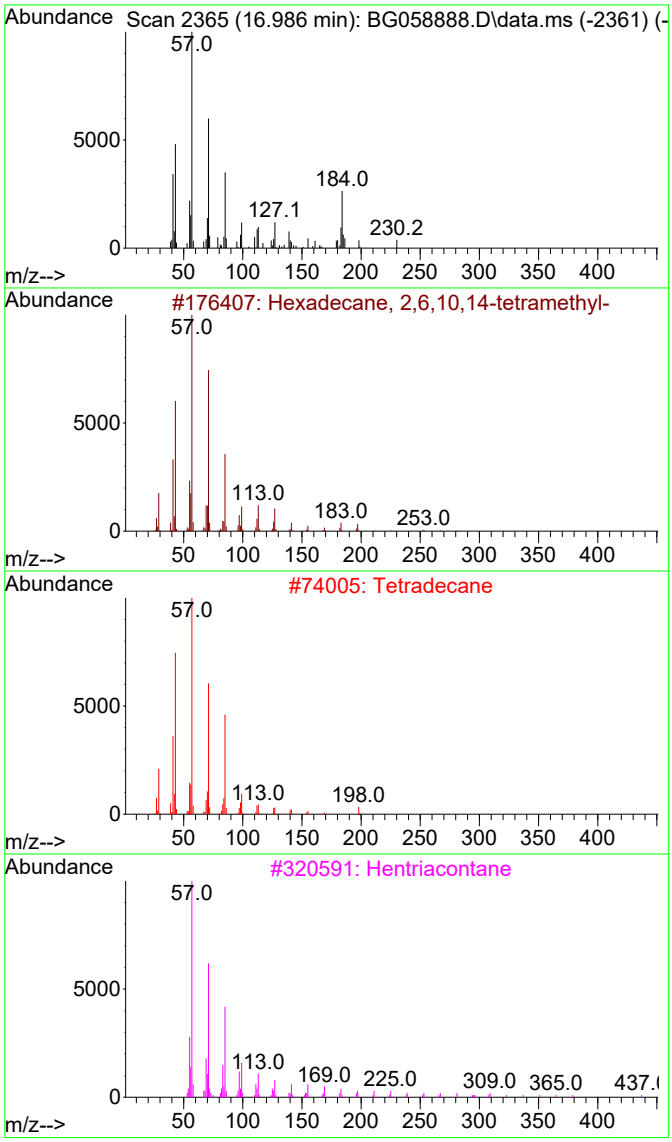
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

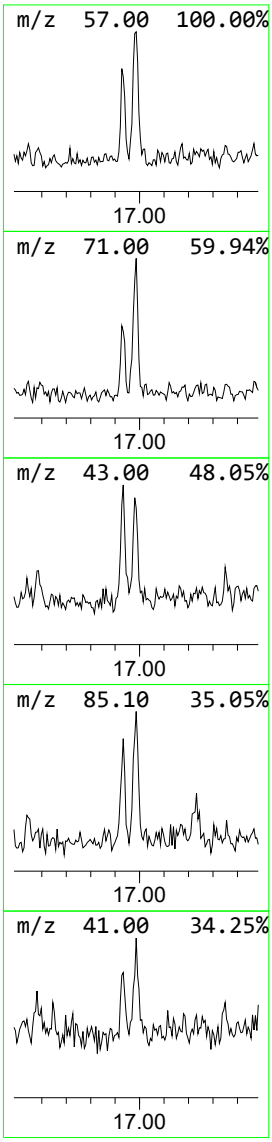
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Hexadecane, 2,6,10,14-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.986	4.72 ng	74040	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58
2	Tetradecane	198	C14H30	000629-59-4	53
3	Hentriacontane	437	C31H64	000630-04-6	52
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	50
5	Heptacosane	380	C27H56	000593-49-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058888.D
Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-082423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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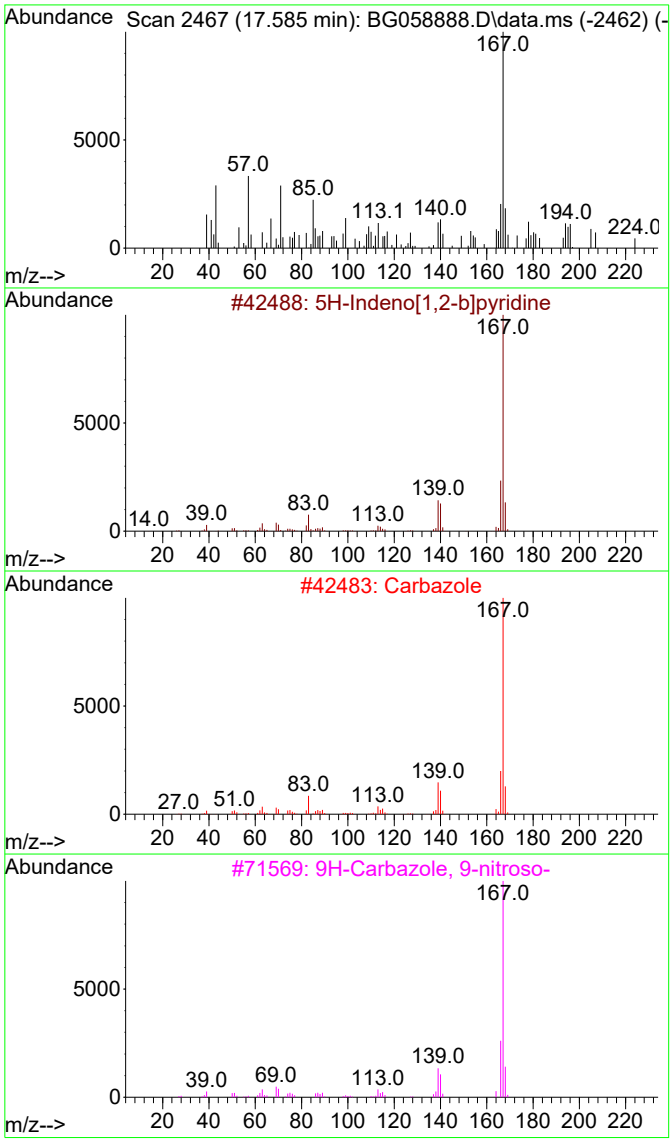
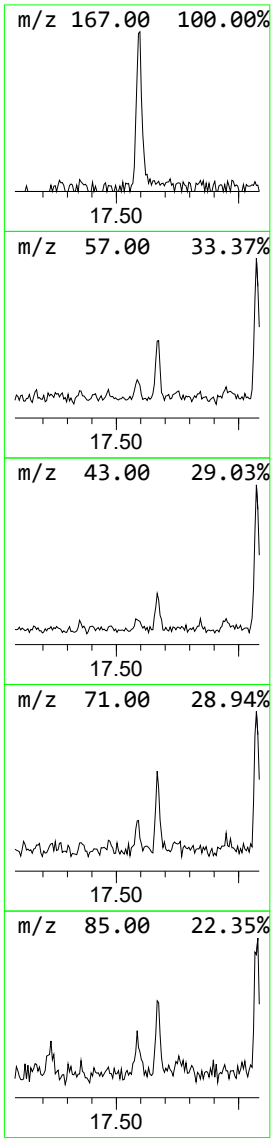
Peak Number 4 5H-Indeno[1,2-b]pyridine Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.585	3.53 ng	55342	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	52
2	Carbazole	167	C12H9N	000086-74-8	52
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	50
4	2-Azafluorene	167	C12H9N	000244-40-6	50
5	6H-Purine-6-thione, 9-amino-1,9-...	167	C5H5N5S	020914-56-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058888.D
Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-082423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

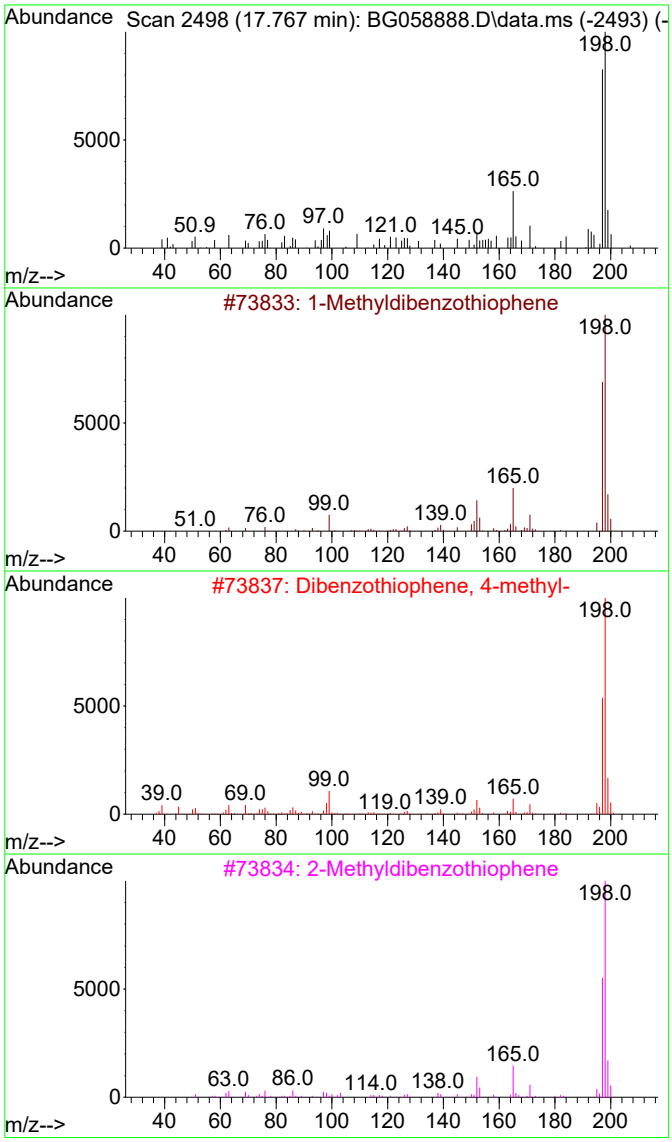
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

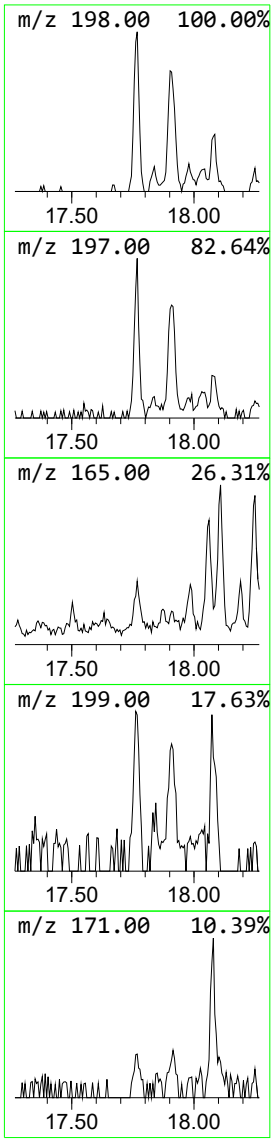
****

Peak Number 5 1-Methyldibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.767	2.78 ng	43665	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	83
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	72
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	70
4	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	68
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058888.D
Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-082423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

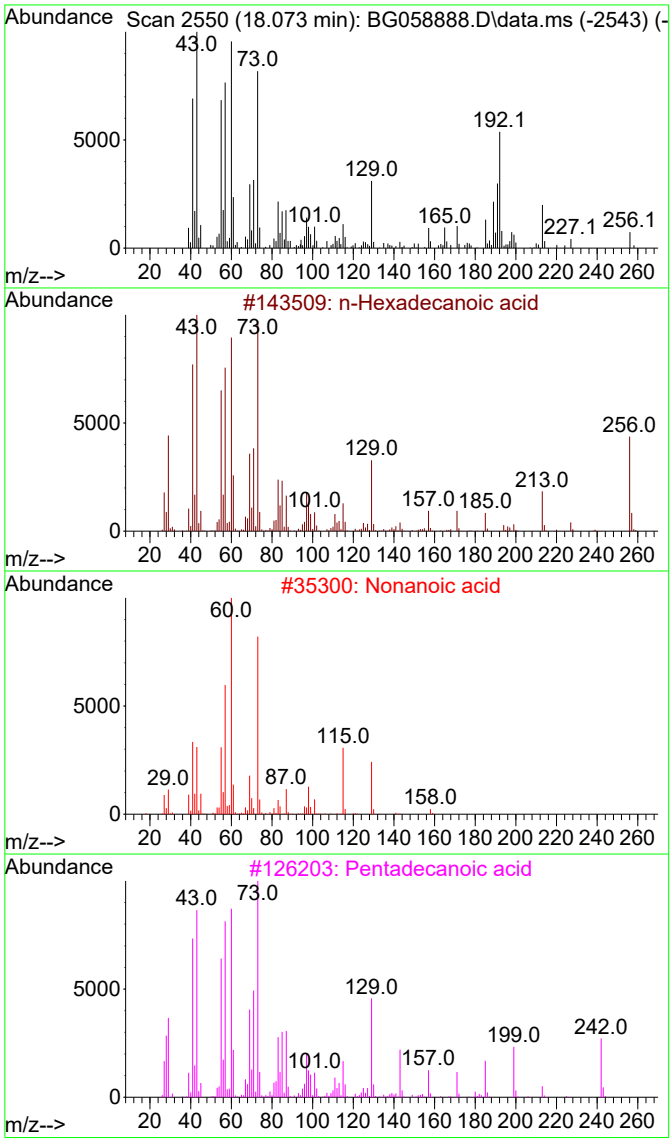
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

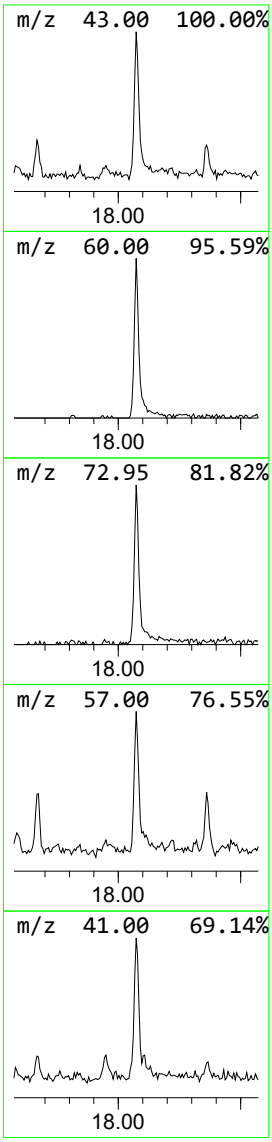
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.073	17.07 ng	267702	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
2	Nonanoic acid	158	C9H18O2	000112-05-0	45
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	42
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	40
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	38





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Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-082423

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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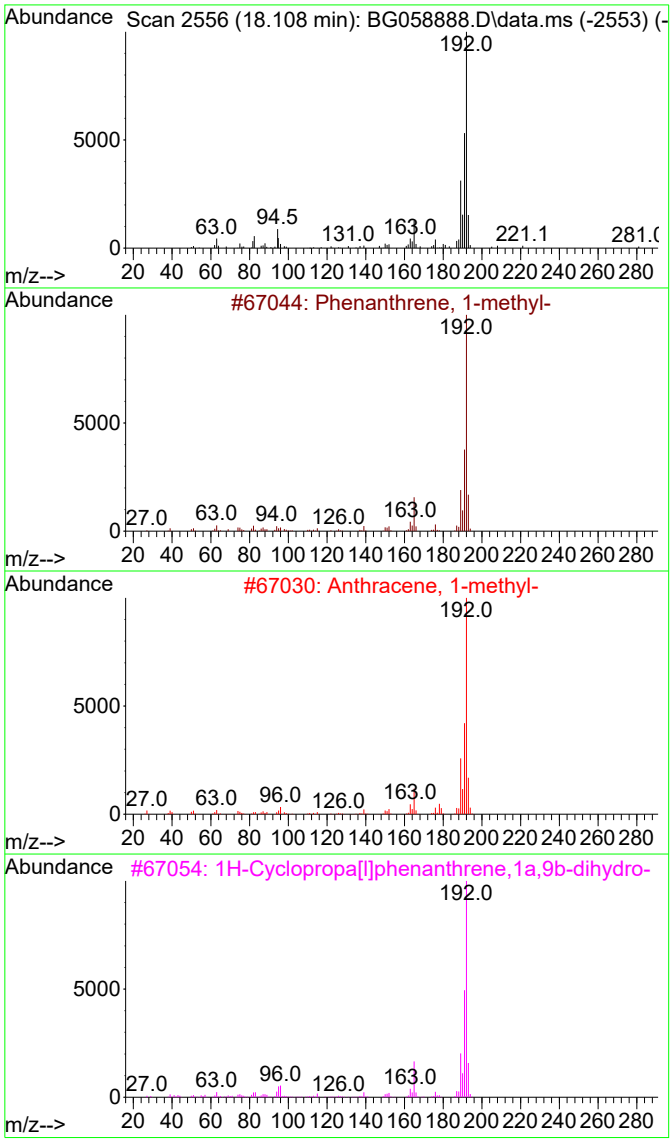
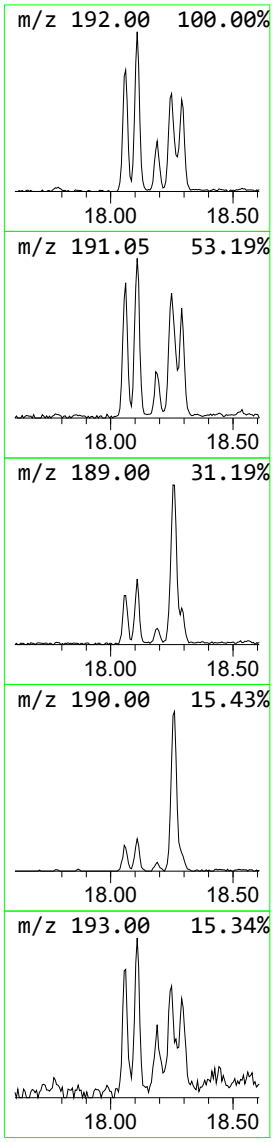
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.108	9.15 ng	143543	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-01-082423

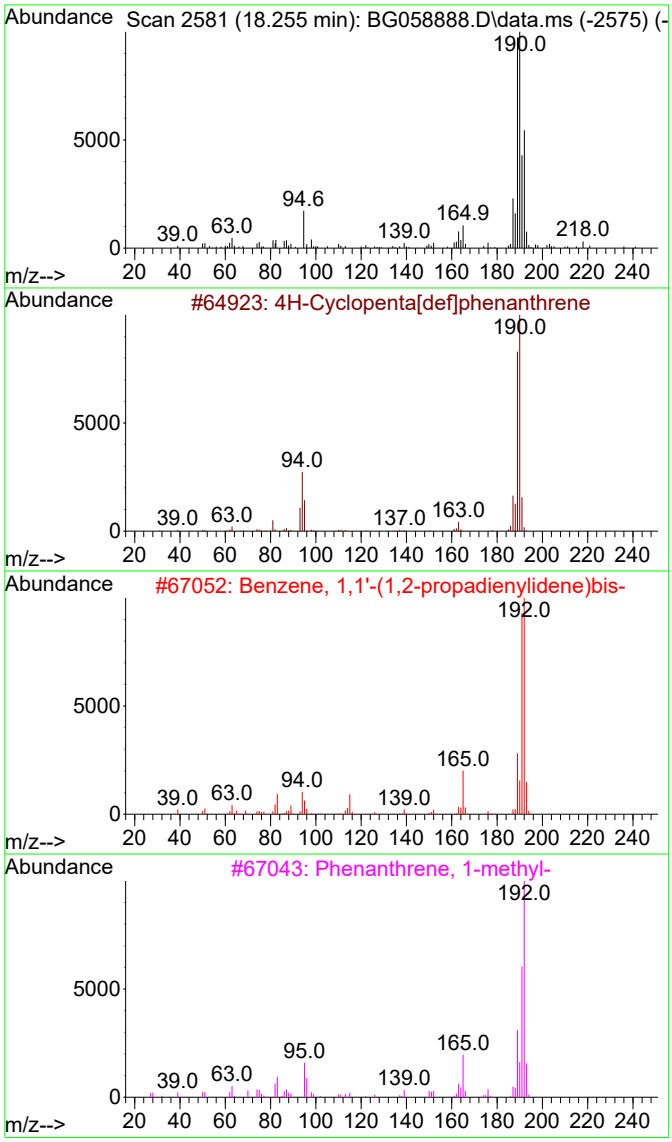
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

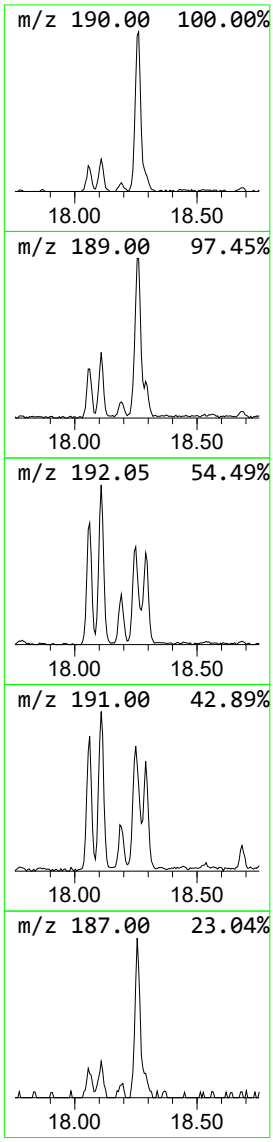
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.255	13.04 ng	204420	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	18
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	14





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Misc :
ALS Vial : 7 Sample Multiplier: 1

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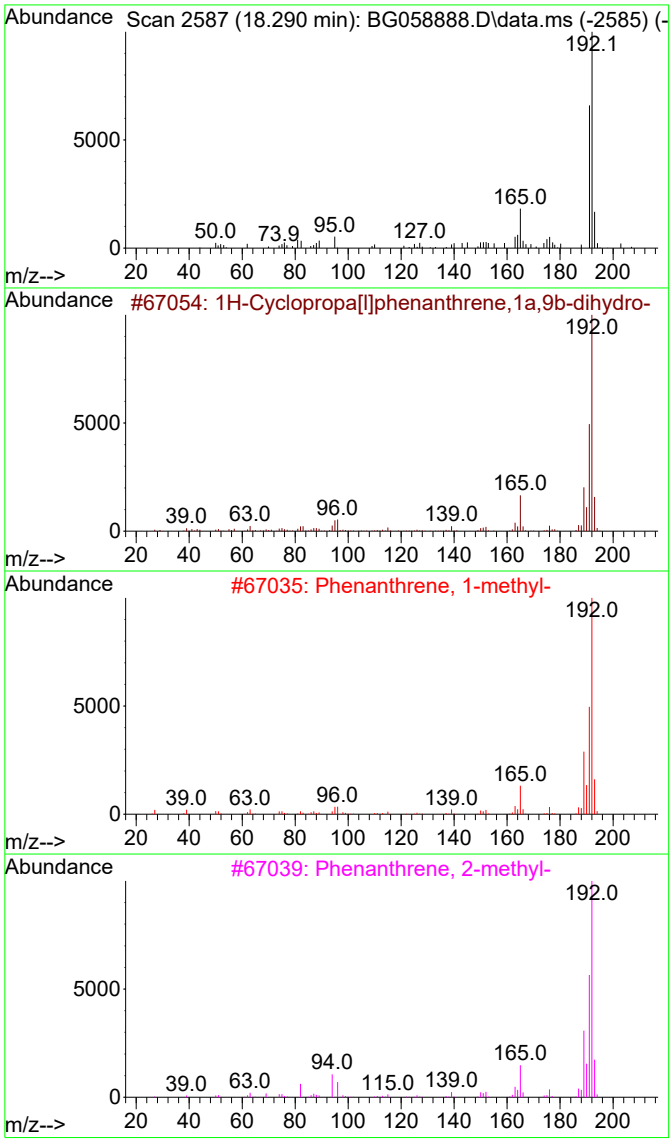
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

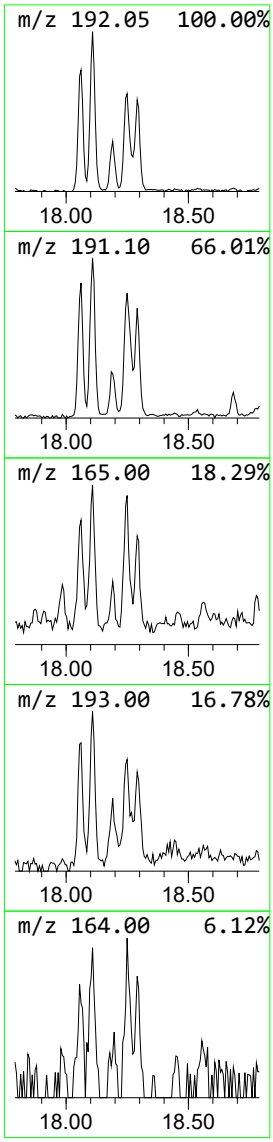
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.290	4.38 ng	68692	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Sample : 04169-01
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Instrument :
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ClientSampleId :
PL-01-082423

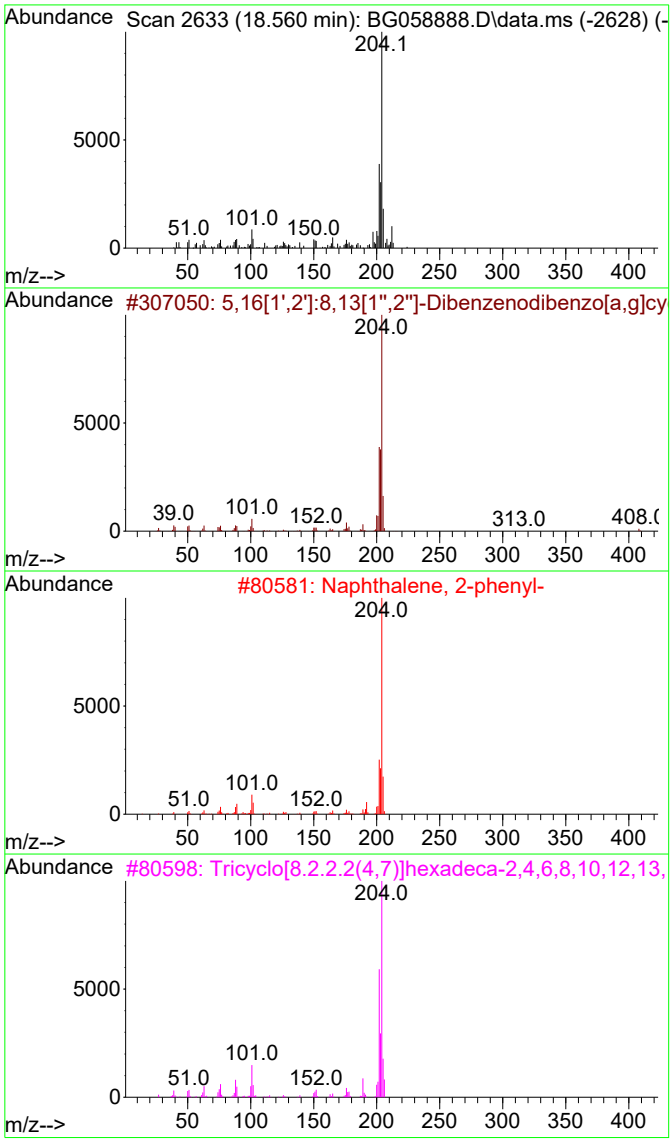
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

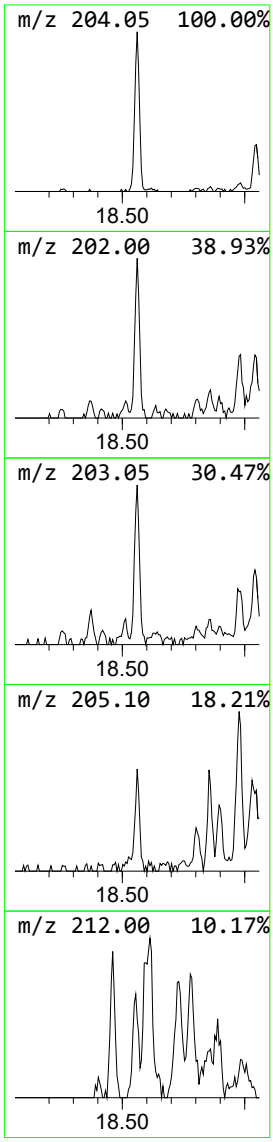
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.560	5.22 ng	81835	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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

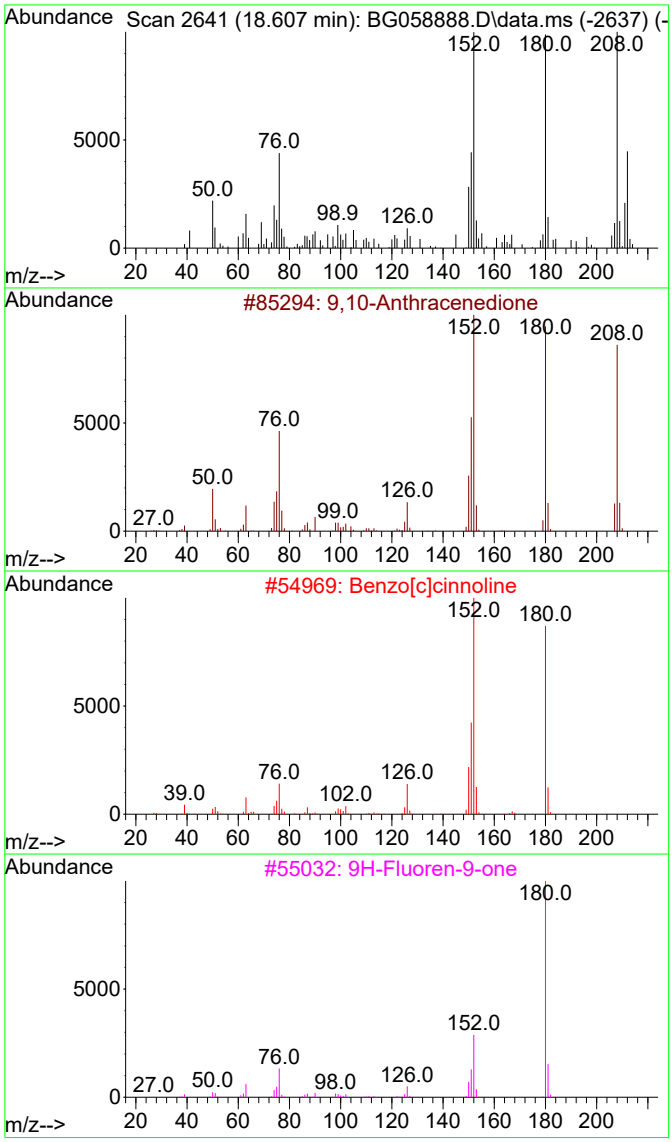
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

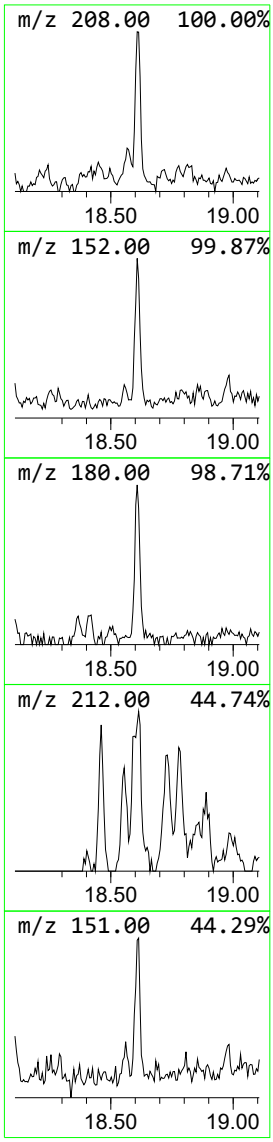
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.607	3.99 ng	62576	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	49





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Sample : 04169-01
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

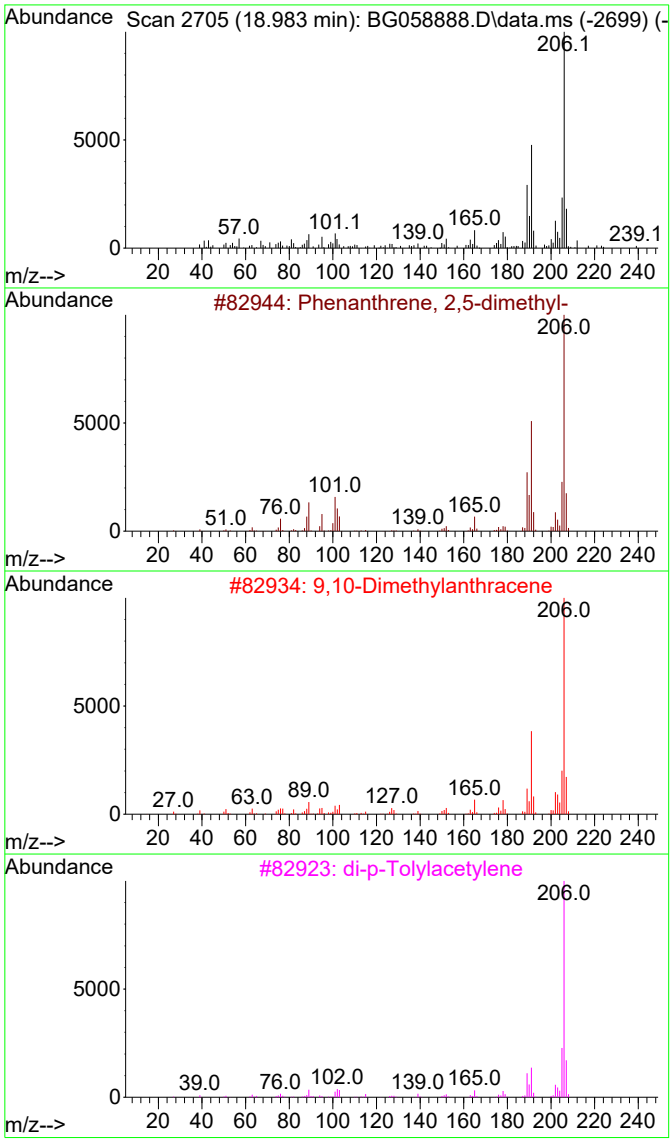
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

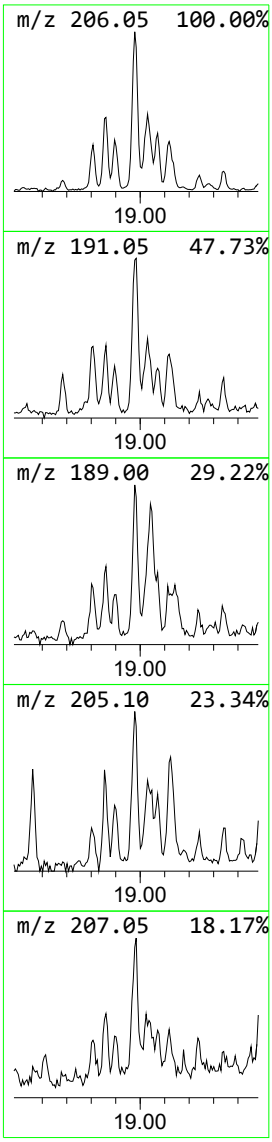
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.983	10.03 ng	157316	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

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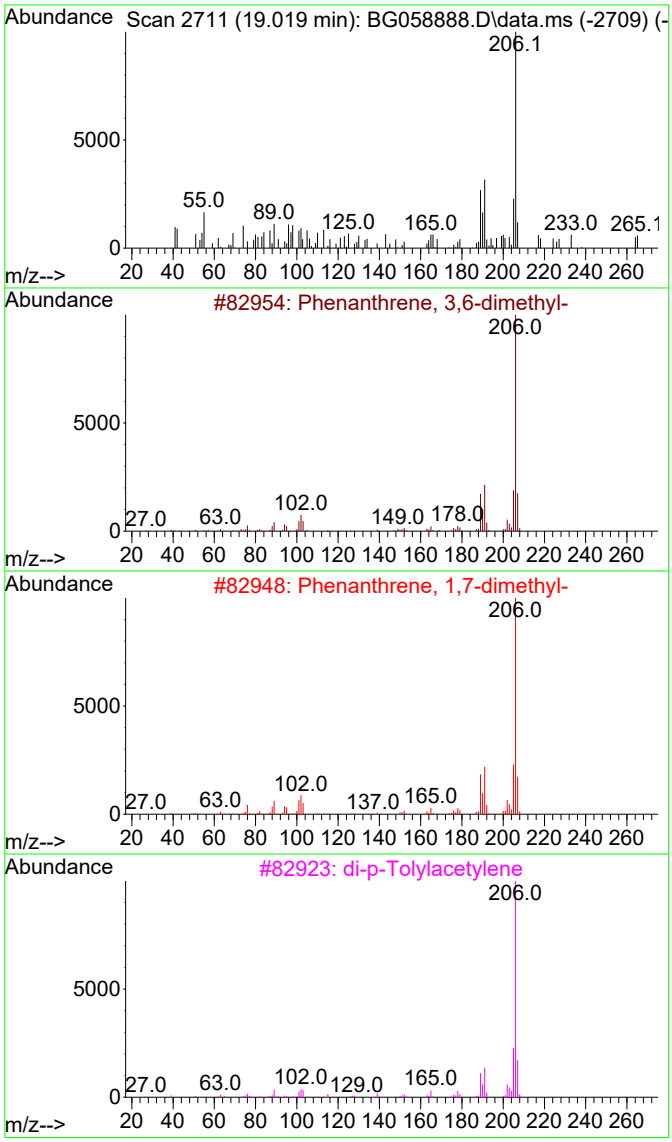
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

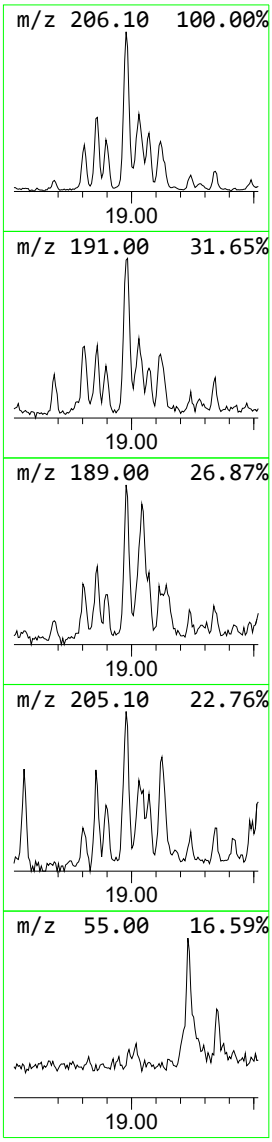
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.019	3.16 ng	49540	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	72
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	72
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	68
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64





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Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

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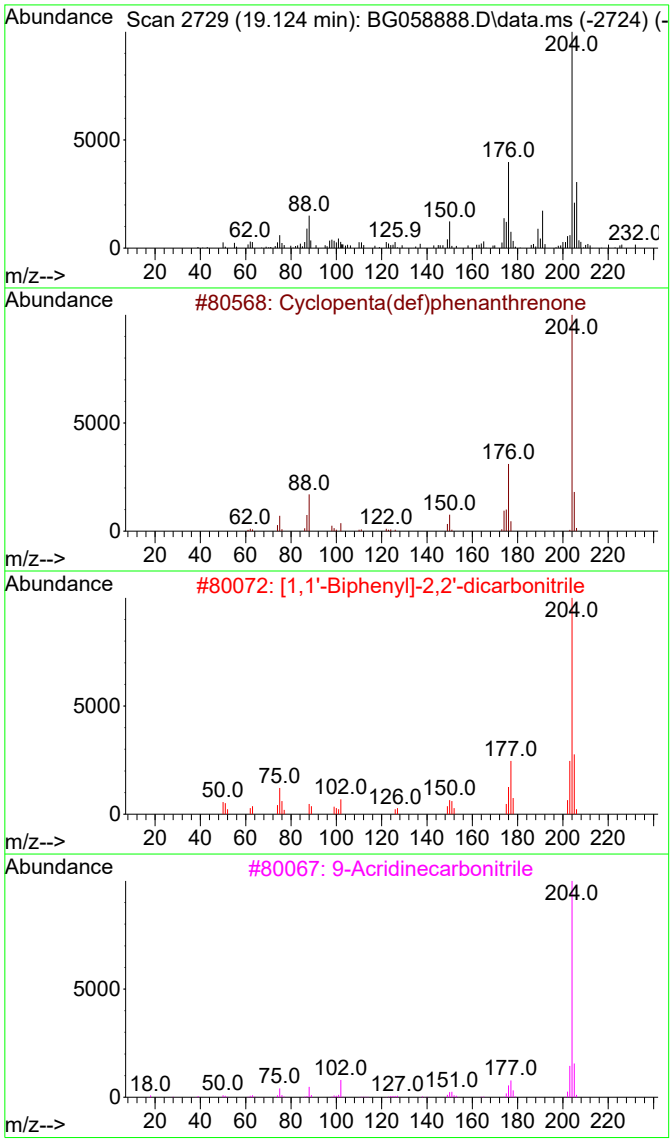
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

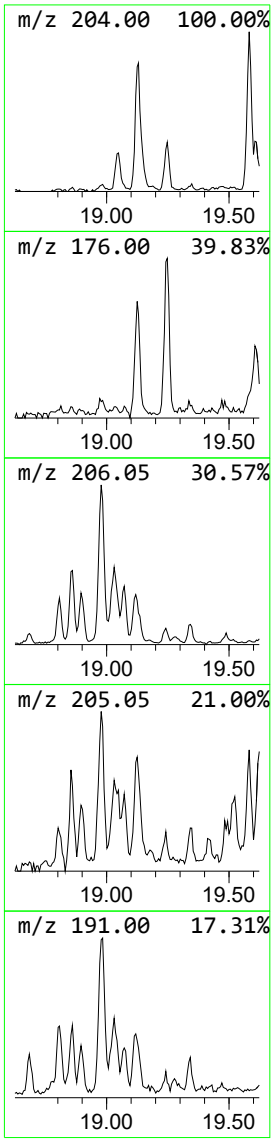
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.124	9.31 ng	146000	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43





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Misc :
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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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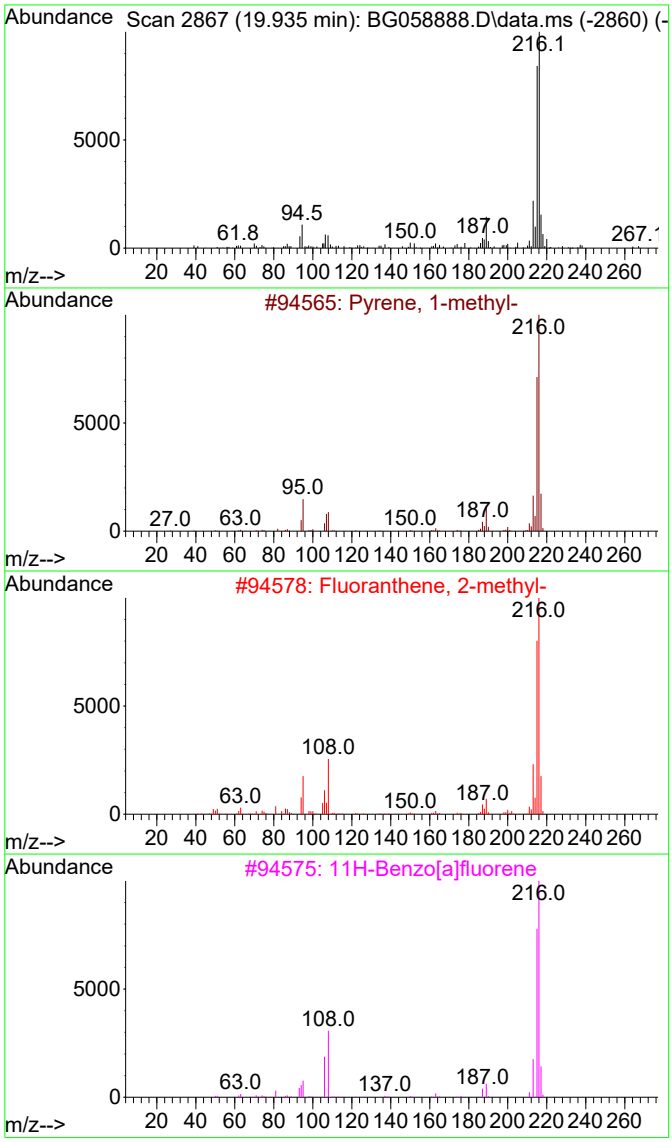
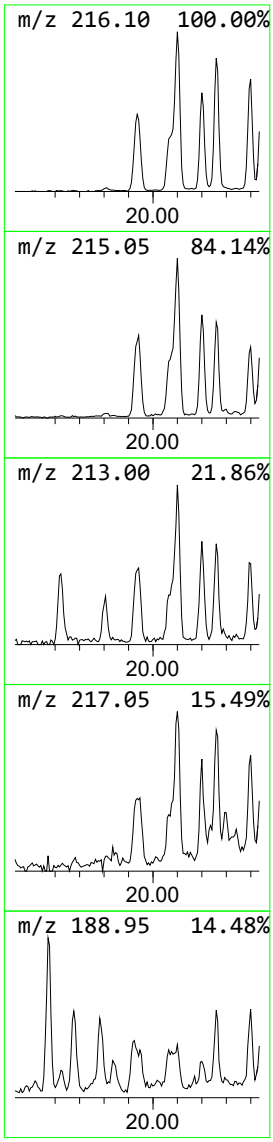
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.935	3.90 ng	207017	Chrysene-d12	21.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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

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

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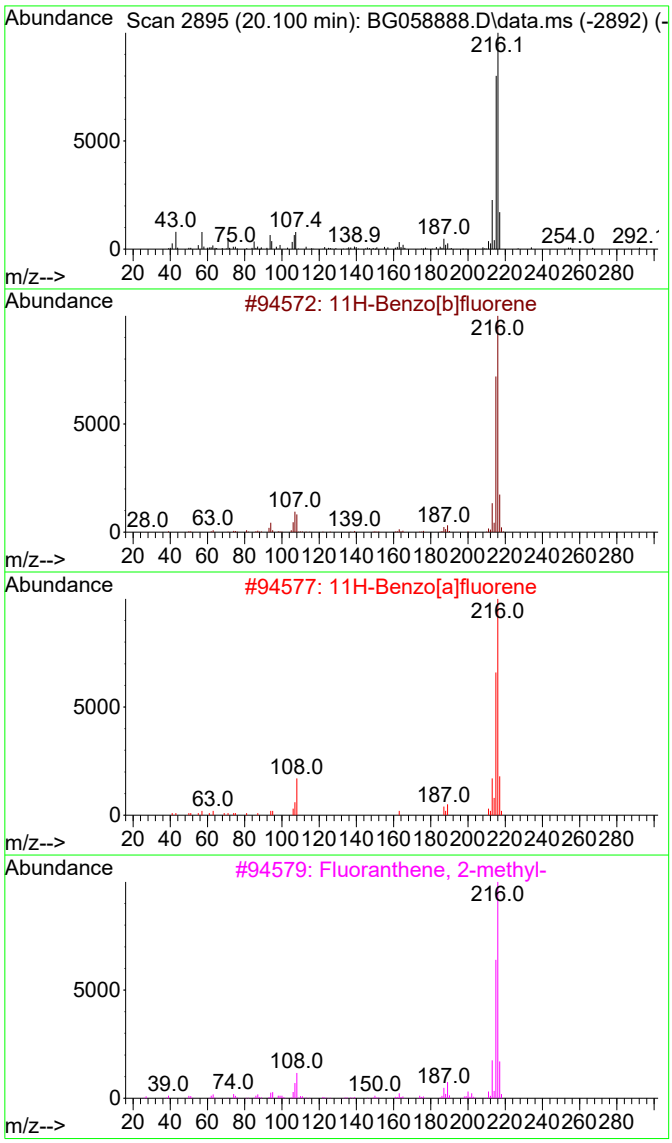
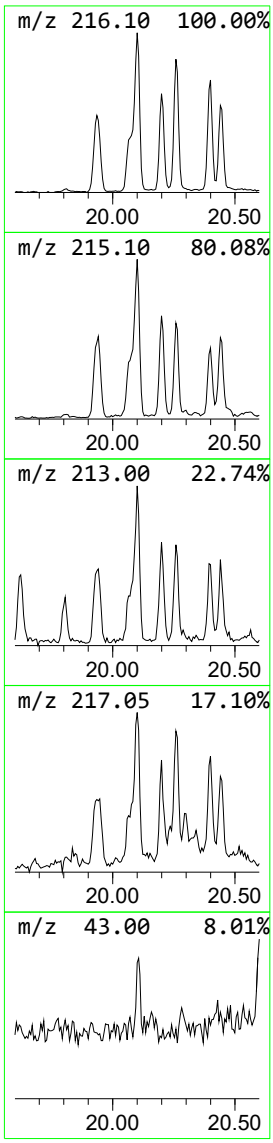
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.100	3.64 ng	193668	Chrysene-d12	21.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	.beta.-Carboline, 1,2,3,4-tetrah...	260	C14H16N2O3	1000124-14-2	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

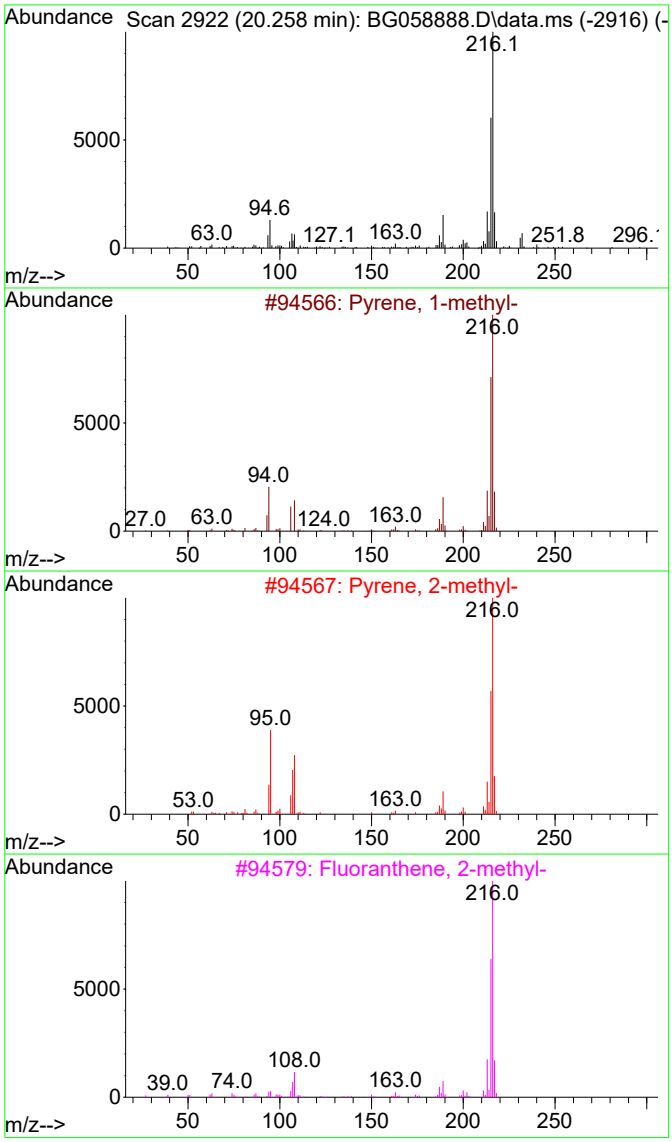
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

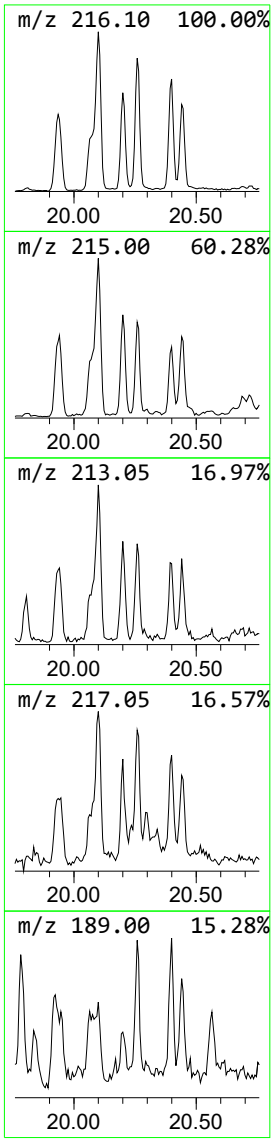
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.258	3.19 ng	169638	Chrysene-d12	21.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058888.D
Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-082423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.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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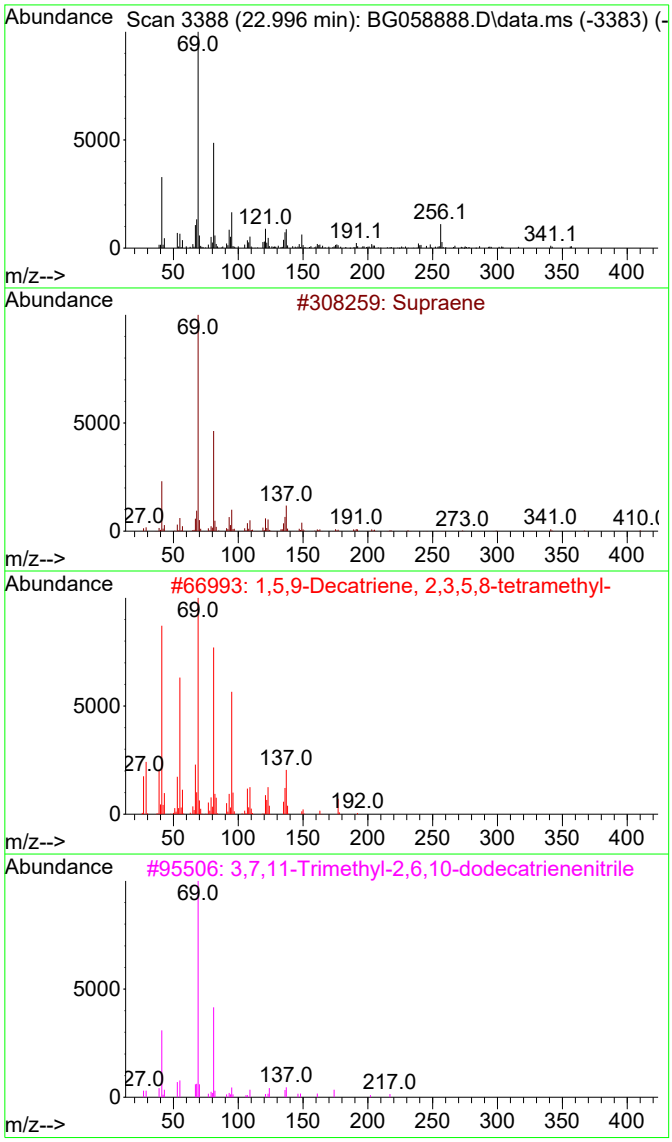
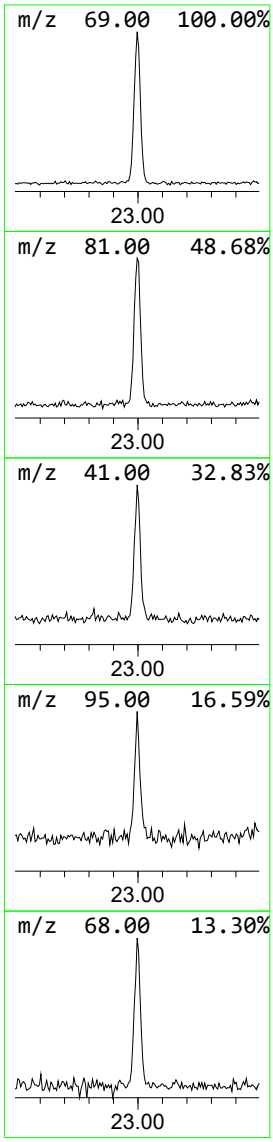
Peak Number 18 Supraene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.996	19.60 ng	241093	Perylene-d12	24.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	64
2	1,5,9-Decatriene, 2,3,5,8-tetram...	192	C14H24	230646-72-7	59
3	3,7,11-Trimethyl-2,6,10-dodecatr...	217	C15H23N	029789-67-1	59
4	4-Methyl-1,5-Heptadiene	110	C8H14	000998-94-7	58
5	2,6-Octadiene, 2,6-dimethyl-	138	C10H18	002792-39-4	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058888.D
Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-082423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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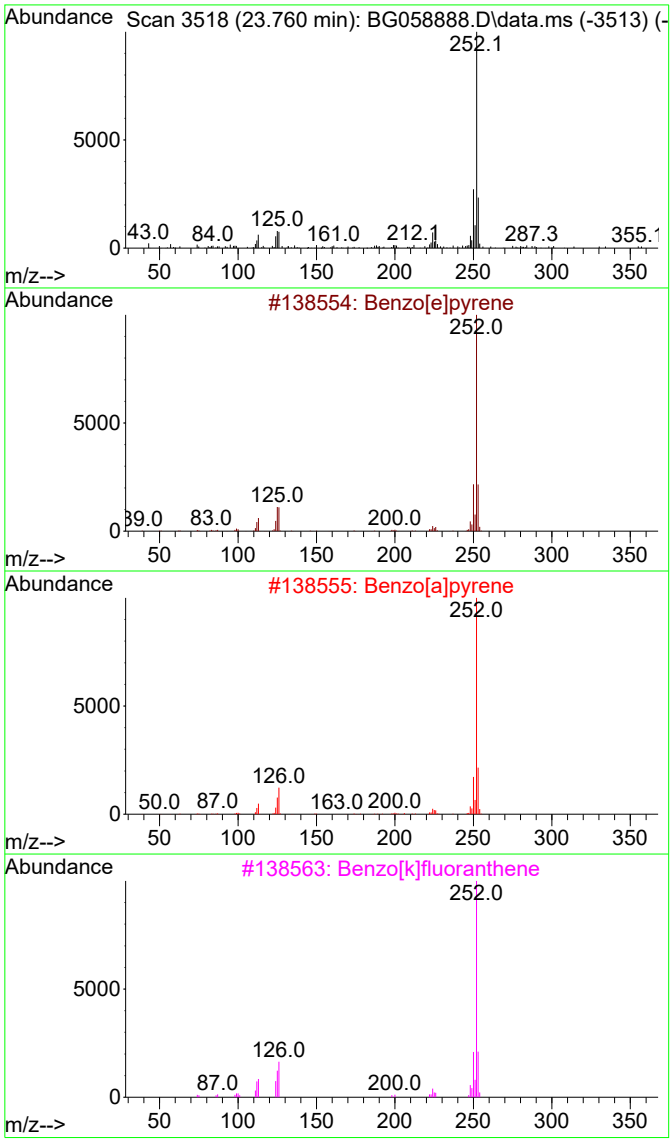
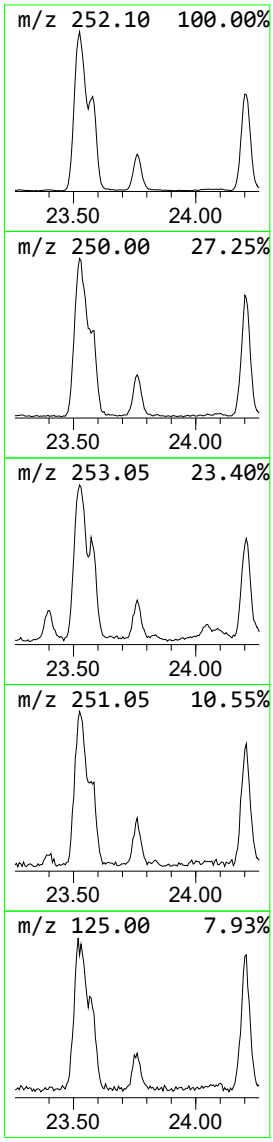
Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.760	11.38 ng	140062	Perylene-d12	24.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058888.D
Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-082423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.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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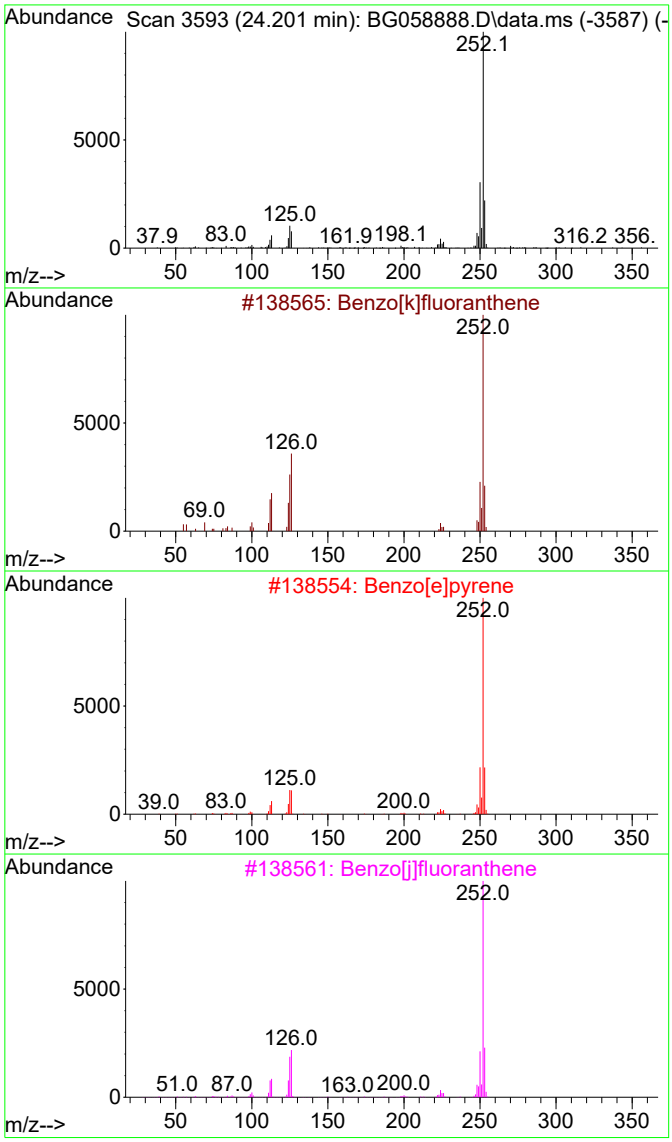
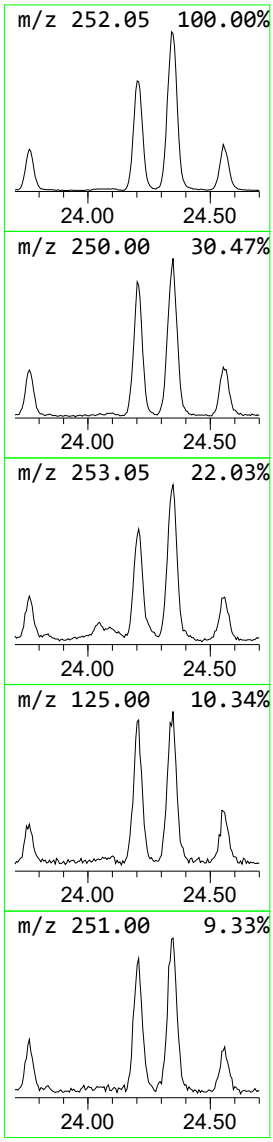
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.201	37.09 ng	456283	Perylene-d12	24.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058888.D
Acq On : 29 Aug 2023 15:23
Operator : MA/JU
Sample : 04169-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-082423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.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
unknown16.163	16.163	3.1	ng	49205	4	17.186	313586	20.0
unknown16.927	16.927	2.8	ng	43764	4	17.186	313586	20.0
Hexadecane, 2,6...	16.986	4.7	ng	74040	4	17.186	313586	20.0
5H-Indeno[1,2-b...	17.585	3.5	ng	55342	4	17.186	313586	20.0
1-Methyldibenzo...	17.767	2.8	ng	43665	4	17.186	313586	20.0
n-Hexadecanoic ...	18.073	17.1	ng	267702	4	17.186	313586	20.0
Phenanthrene, 1...	18.108	9.2	ng	143543	4	17.186	313586	20.0
4H-Cyclopenta[d...	18.255	13.0	ng	204420	4	17.186	313586	20.0
1H-Cyclopropa[l...	18.290	4.4	ng	68692	4	17.186	313586	20.0
5,16[1',2']:8,1...	18.560	5.2	ng	81835	4	17.186	313586	20.0
9,10-Anthracene...	18.607	4.0	ng	62576	4	17.186	313586	20.0
Phenanthrene, 2...	18.983	10.0	ng	157316	4	17.186	313586	20.0
Phenanthrene, 3...	19.019	3.2	ng	49540	4	17.186	313586	20.0
Cyclopenta(def)...	19.124	9.3	ng	146000	4	17.186	313586	20.0
Pyrene, 1-methyl-	19.935	3.9	ng	207017	5	21.428	1062960	20.0
11H-Benzo[b]flu...	20.100	3.6	ng	193668	5	21.428	1062960	20.0
Pyrene, 2-methyl-	20.258	3.2	ng	169638	5	21.428	1062960	20.0
Supraene	22.996	19.6	ng	241093	6	24.489	246072	20.0
Benzo[e]pyrene	23.760	11.4	ng	140062	6	24.489	246072	20.0
Benzo[j]fluoran...	24.201	37.1	ng	456283	6	24.489	246072	20.0