LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

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-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG055866.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.256	329	335	344	rBV	90876	146468	5.39%	0.538%
2	5.744	411	418	433	rBV	329506	550829	20.27%	2.022%
3	7.360	685	693	708	rBV	322602	583023	21.45%	2.140%
4	8.211	831	838	846	rVB	182025	314911	11.59%	1.156%
5	9.381	1030	1037	1049	rVB	202808	373982	13.76%	1.373%
6	11.038	1312	1319	1325	rBV	248451	440099	16.19%	1.615%
7	12.677	1594	1598	1606	rVB	18555	30070	1.11%	0.110%
8	12.894	1627	1635	1642	rVB	44075	79198	2.91%	0.291%
9	13.458	1722	1731	1741	rVB	575916	890518	32.77%	3.268%
10	13.635	1754	1761	1765	rBV5	12775	30219	1.11%	0.111%
11	14.005	1816	1824	1832	rBV3	55355	153572	5.65%	0.564%
12	14.157	1843	1850	1855	rBV2	97980	176588	6.50%	0.648%
13	14.210	1855	1859	1863	rVV	66158	104280	3.84%	0.383%
14	14.251	1863	1866	1869	rVV2	28167	42650	1.57%	0.157%
15	14.287	1869	1872	1877	rVB2	29802	36397	1.34%	0.134%
16	14.392	1884	1890	1893	rBV	56545	87372	3.21%	0.321%
17	14.422	1893	1895	1901	rVB2	20674	28720	1.06%	0.105%
18	14.563	1913	1919	1928	rBV2	72291	146870	5.40%	0.539%
19	14.657	1931	1935	1940	rVB3	20144	29968	1.10%	0.110%
20	14.833	1960	1965	1971	rVB	370984	581746	21.41%	2.135%
21	14.898	1971	1976	1982	rVB	85447	132573	4.88%	0.487%
22	14.957	1982	1986	1992	rVB4	16791	32330	1.19%	0.119%
23	15.039	1993	2000	2008	rBV3	42199	107189	3.94%	0.393%
24	15.115	2008	2013	2022	rBV5	21812	60088	2.21%	0.221%
25	15.227	2024	2032	2039	rVV3	95355	193167	7.11%	0.709%
26	15.297	2039	2044	2051	rVB	87807	133689	4.92%	0.491%
27	15.444	2062	2069	2073	rBV	87164	163274	6.01%	0.599%
28	15.491	2073	2077	2082	rVB	53237	80909	2.98%	0.297%
29	15.609	2090	2097	2100	rBV4	49288	107947	3.97%	0.396%
30	15.644	2100	2103	2109	rVB2	57590	79800	2.94%	0.293%
31	15.703	2109	2113	2117	rBV2	21500	38669	1.42%	0.142%
32	15.779	2123	2126	2131	rVB2	39170	53812	1.98%	0.197%
33	15.873	2137	2142	2153	rVV3	96070	230165	8.47%	0.845%
34	15.967	2154	2158	2161	rVV4	31252	54180	1.99%	0.199%
35	16.002	2161	2164	2167	rVV2	44719	71719	2.64%	0.263%
36	16.038	2167	2170	2174	rVV5	46261	74738	2.75%	0.274%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-3-113022

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-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.085	2174	2178	2183	rVV4	43462	78889	2.90%	0.290%
38	16.167	2183	2192	2198	rVB6	50021	147624	5.43%	0.542%
39	16.320	2212	2218	2225	rVB	434364	678135	24.95%	2.489%
40	16.537	2247	2255	2266	rVB5	74452	210703	7.75%	0.773%
41	16.678	2274	2279	2283	rBV2	51106	78672	2.89%	0.289%
42	16.725	2283	2287	2294	rVB6	22025	52469	1.93%	0.193%
43	16.872	2305	2312	2318	rBV5	67544	150533	5.54%	0.552%
44	16.931	2318	2322	2326	rBV3	47281	72730	2.68%	0.267%
45	17.025	2335	2338	2342	rVB2	42146	60723	2.23%	0.223%
46	17.083	2344	2348	2349	rBV3	27537	37909	1.39%	0.139%
47	17.230	2368	2373	2380	rBV2	103913	168201	6.19%	0.617%
48	17.295	2380	2384	2389	rBV5	32129	57586	2.12%	0.211%
49	17.395	2396	2401	2408	rVB	118379	185617	6.83%	0.681%
50	17.577	2426	2432	2435	rBV	425671	663092	24.40%	2.434%
51	17.624	2435	2440	2445	rVB	902119	1387044	51.04%	5.090%
52	17.712	2450	2455	2459	rBV	141357	215702	7.94%	0.792%
53	17.977	2496	2500	2505	rBV2	55230	96606	3.55%	0.355%
54	18.088	2516	2519	2522	rVB	39809	47022	1.73%	0.173%
55	18.159	2526	2531	2536	rVB	155106	249361	9.18%	0.915%
56	18.300	2550	2555	2563	rVB	110301	209431	7.71%	0.769%
57	18.376	2564	2568	2570	rBV2	39949	53459	1.97%	0.196%
58	18.447	2574	2580	2584	rVV	359955	664802	24.46%	2.440%
59	18.499	2584	2589	2594	rVB	438496	669289	24.63%	2.456%
60	18.576	2598	2602	2607	rVV2	106048	165255	6.08%	0.606%
61	18.640	2607	2613	2617	rVV3	362270	753864	27.74%	2.767%
62	18.682	2617	2620	2624	rVB	236581	310874	11.44%	1.141%
63	18.840	2643	2647	2651	rVB3	78838	105504	3.88%	0.387%
64	18.934	2659	2663	2667	rBV	203067	305247	11.23%	1.120%
65	18.987	2667	2672	2681	rVB2	190504	389441	14.33%	1.429%
66	19.063	2682	2685	2687	rBV	35293	47916	1.76%	0.176%
67	19.181	2697	2705	2709	rBV3	152904	330275	12.15%	1.212%
68	19.234	2710	2714	2717	rBV	199082	250674	9.22%	0.920%
69	19.269	2717	2720	2728	rVB2	171640	237480	8.74%	0.872%
70	19.351	2729	2734	2739	rBV	447542	764893	28.14%	2.807%
71	19.410	2739	2744	2748	rBV3	121815	232095	8.54%	0.852%
72	19.498	2753	2759	2763	rBV2	187905	393637	14.48%	1.445%
73	19.622	2774	2780	2785	rBV	1028625	1488126	54.76%	5.461%
74	19.669	2785	2788	2792	rBV	99338	156923	5.77%	0.576%
75	19.857	2817	2820	2822	rBV3	72179	96392	3.55%	0.354%
76	19.986	2832	2842	2847	rBV	1697618	2717693	100.00%	9.974%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

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-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.045	2848	2852	2857	rVB	267738	394364	14.51%	1.447%
78	20.162	2867	2872	2876	rVB	926669	1178914	43.38%	4.327%
79	20.203	2876	2879	2885	rVB3	105591	187250	6.89%	0.687%
80	20.444	2915	2920	2921	rBV4	163680	260714	9.59%	0.957%
81	20.626	2947	2951	2954	rVB	323881	396787	14.60%	1.456%
82	20.767	2971	2975	2978	rBV	323500	451233	16.60%	1.656%
83	20.808	2979	2982	2994	rVB2	324409	612904	22.55%	2.249%
84	21.860	3154	3161	3167	rBV3	560914	1620223	59.62%	5.946%
85	21.919	3167	3171	3182	rVB	397700	721702	26.56%	2.649%

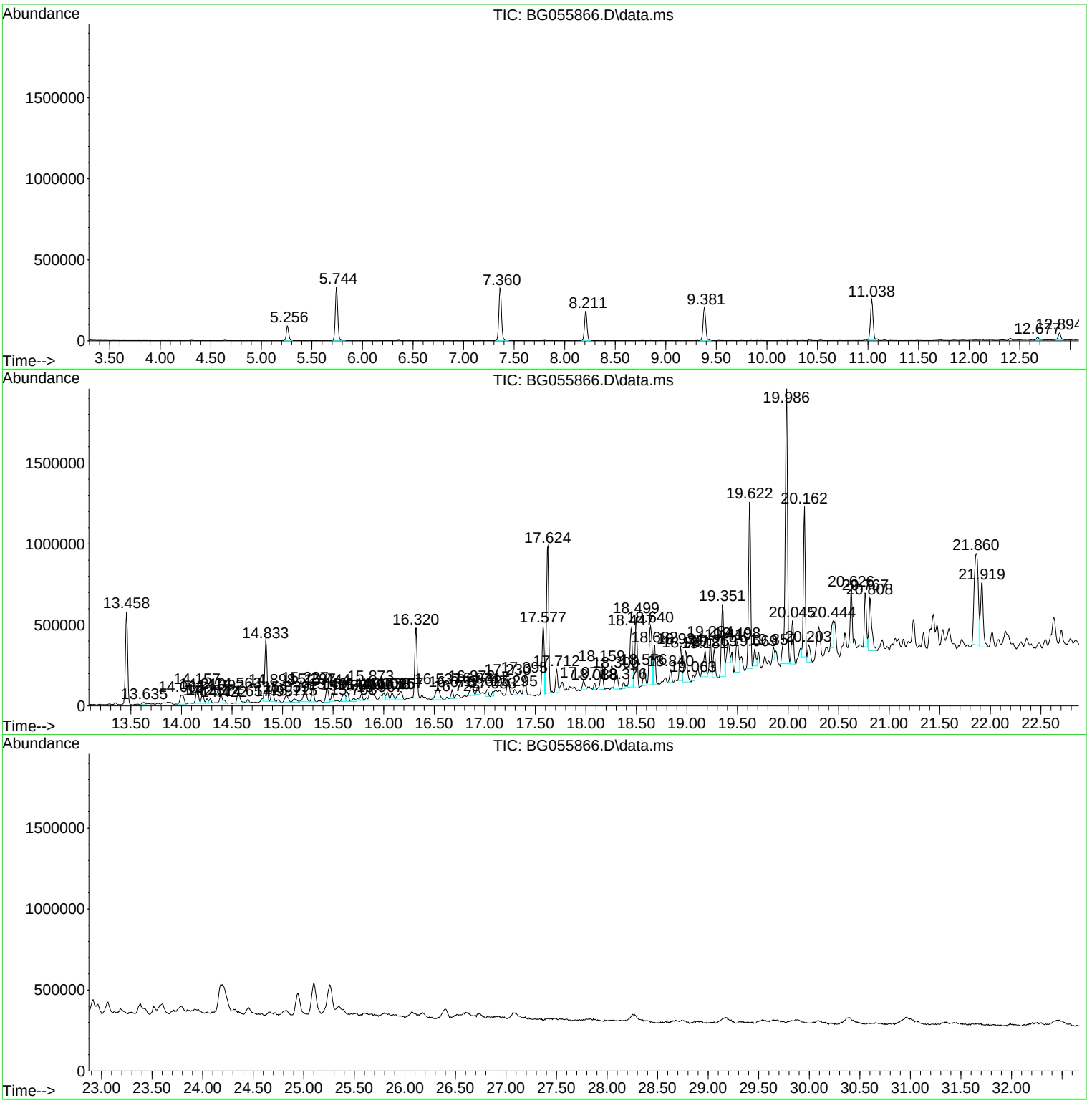
Sum of corrected areas: 27247708

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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\BG120122\
Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

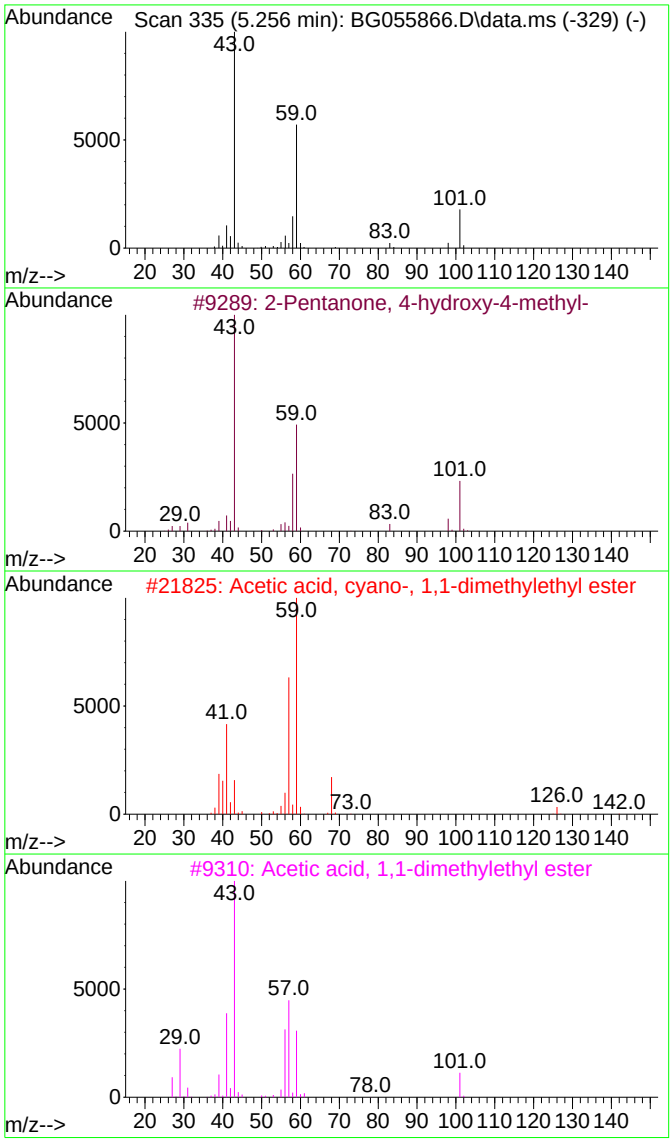
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

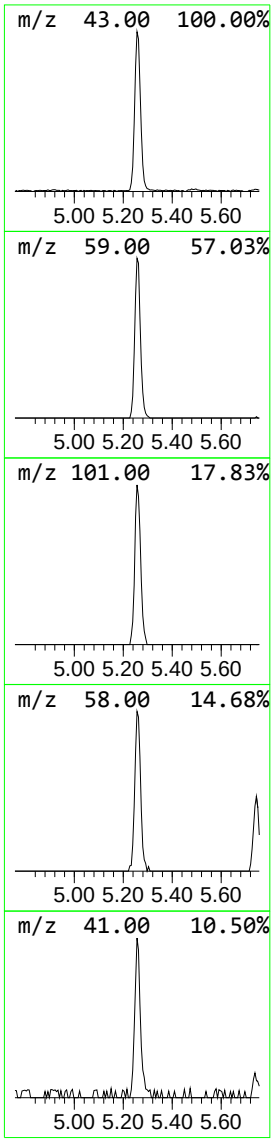
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.256	9.30 ng	146468	1,4-Dichlorobenzene-d4	8.211

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

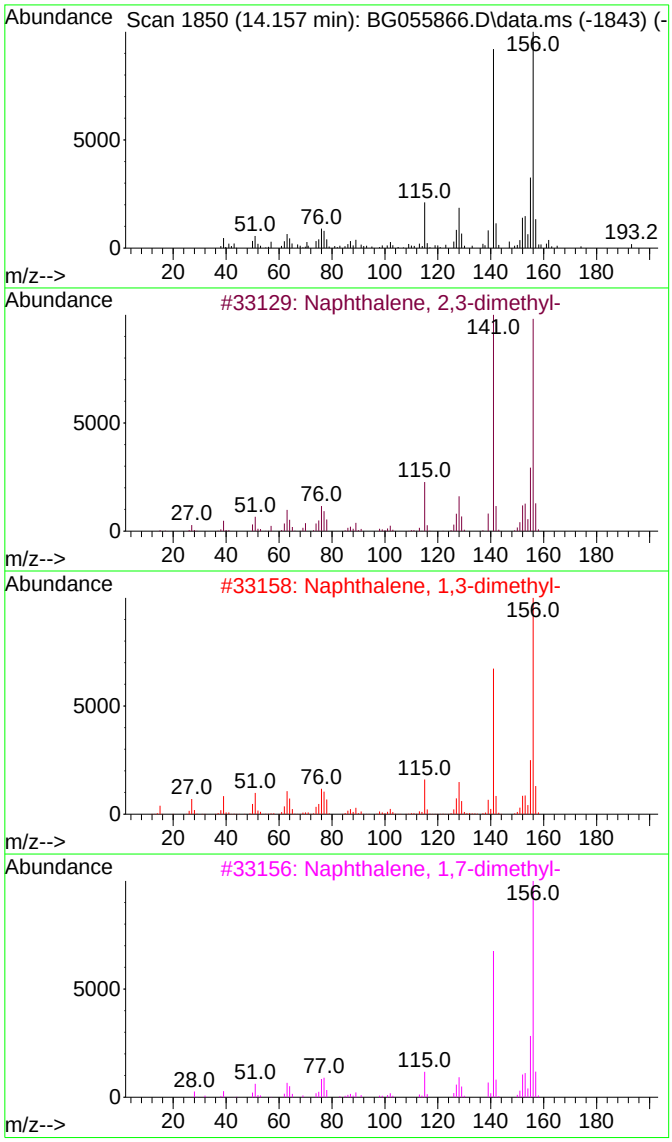
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

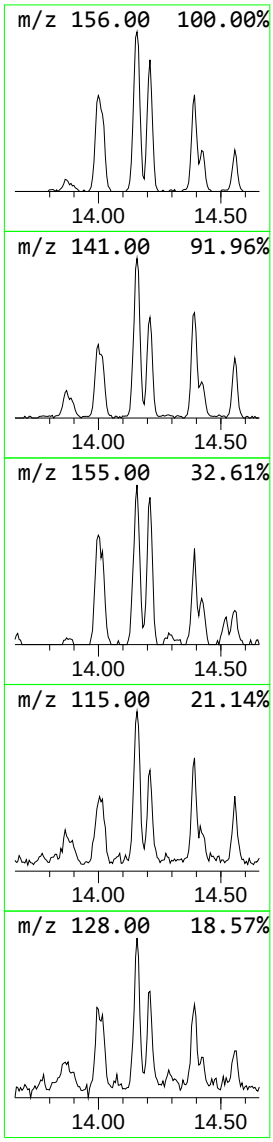
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.157	6.07 ng	176588	Acenaphthene-d10	14.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

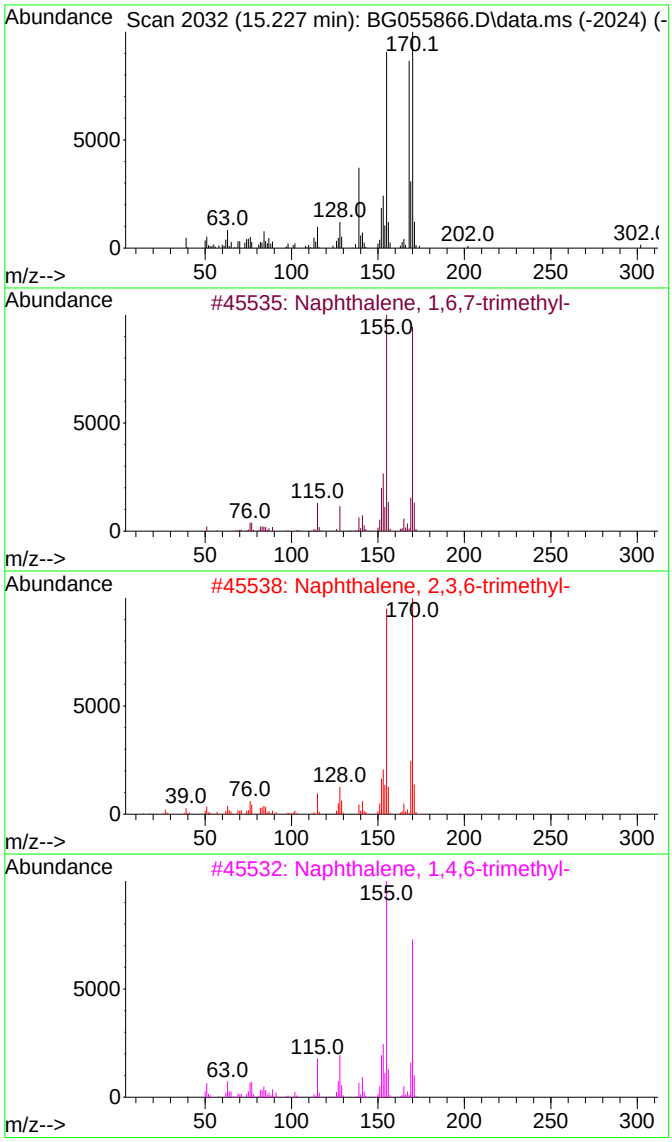
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

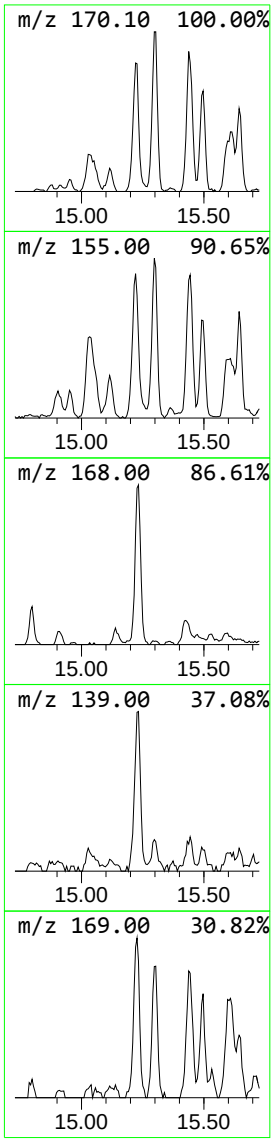
****

Peak Number 3 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.227	6.64 ng	193167	Acenaphthene-d10	14.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	92
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

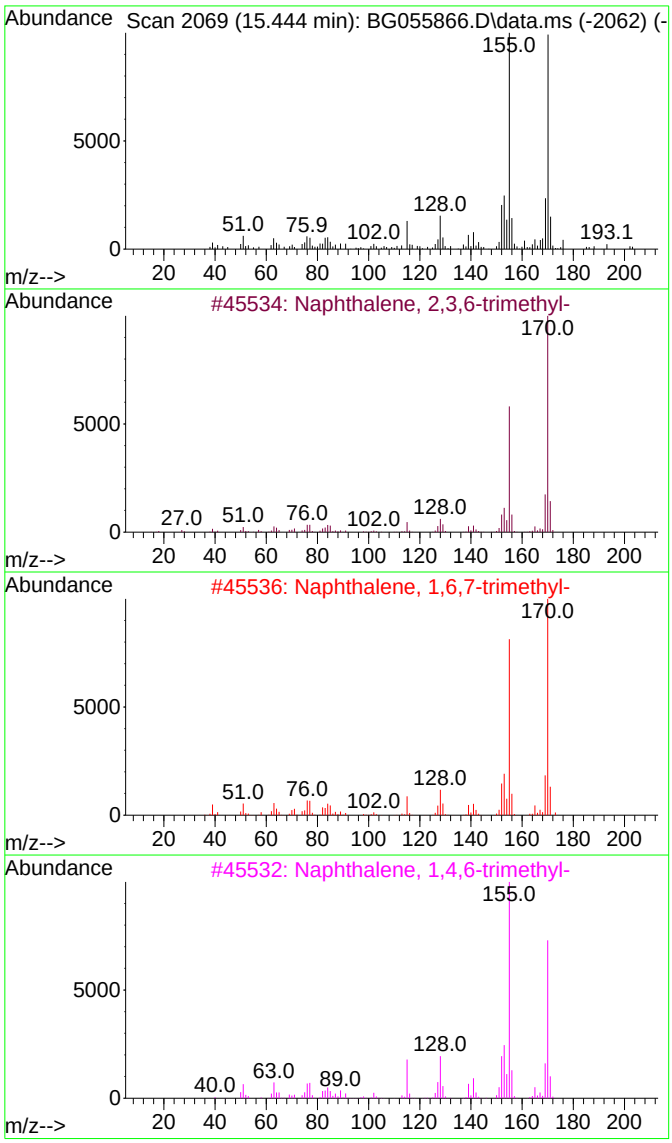
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

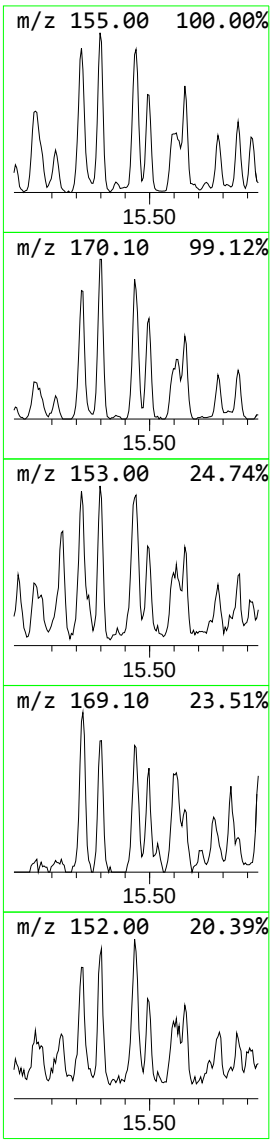
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.444	5.61 ng	163274	Acenaphthene-d10	14.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

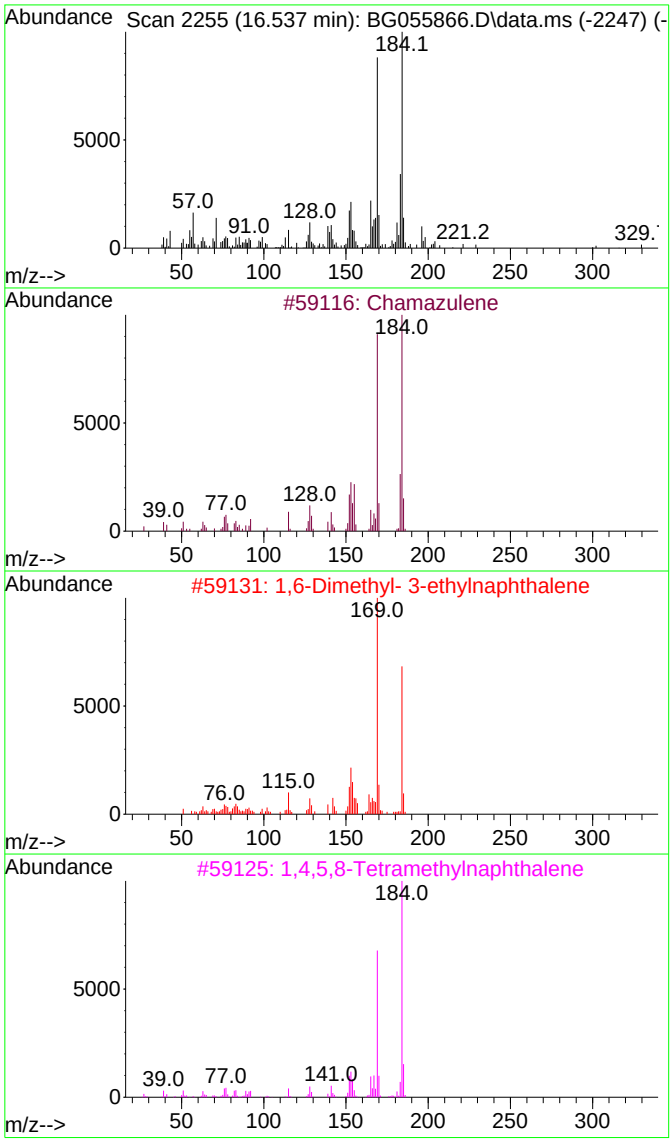
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

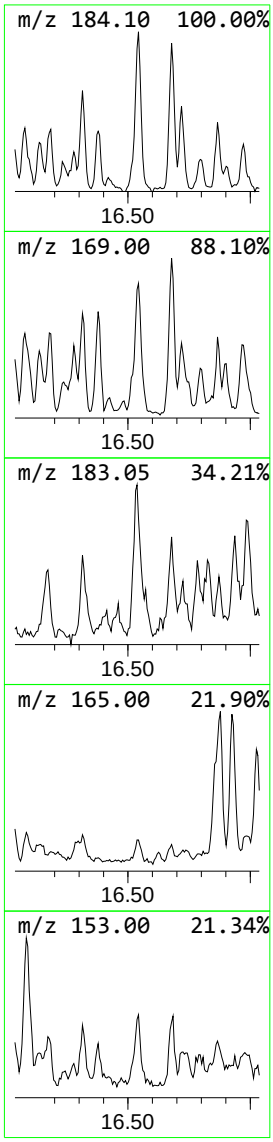
****

Peak Number 5 Chamazulene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.537	6.36 ng	210703	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	91
2	1,6-Dimethyl- 3-ethylnaphthalene	184	C14H16	1000383-71-8	89
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	81
4	1,2-Benzenediamine, N-phenyl-	184	C12H12N2	000534-85-0	74
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

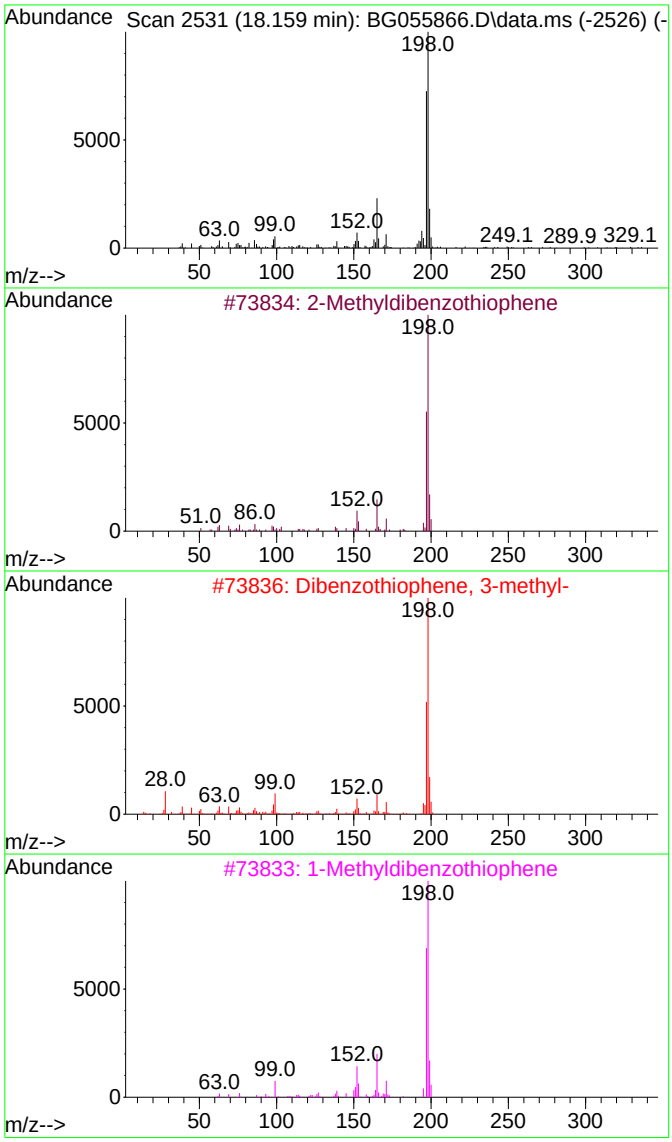
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

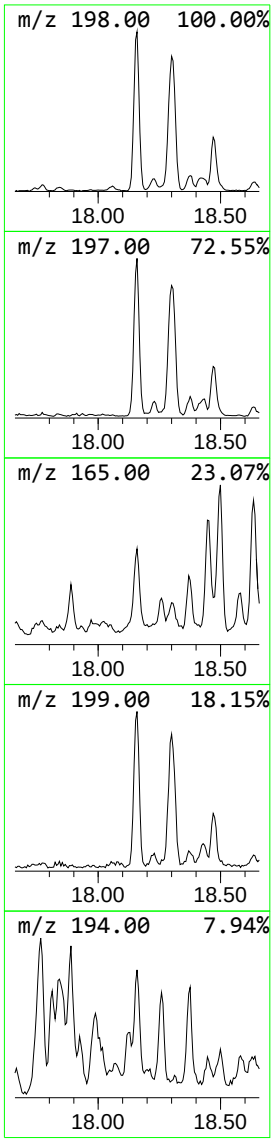
****

Peak Number 6 2-Methyldibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.159	7.52 ng	249361	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	83
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64





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Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-3-113022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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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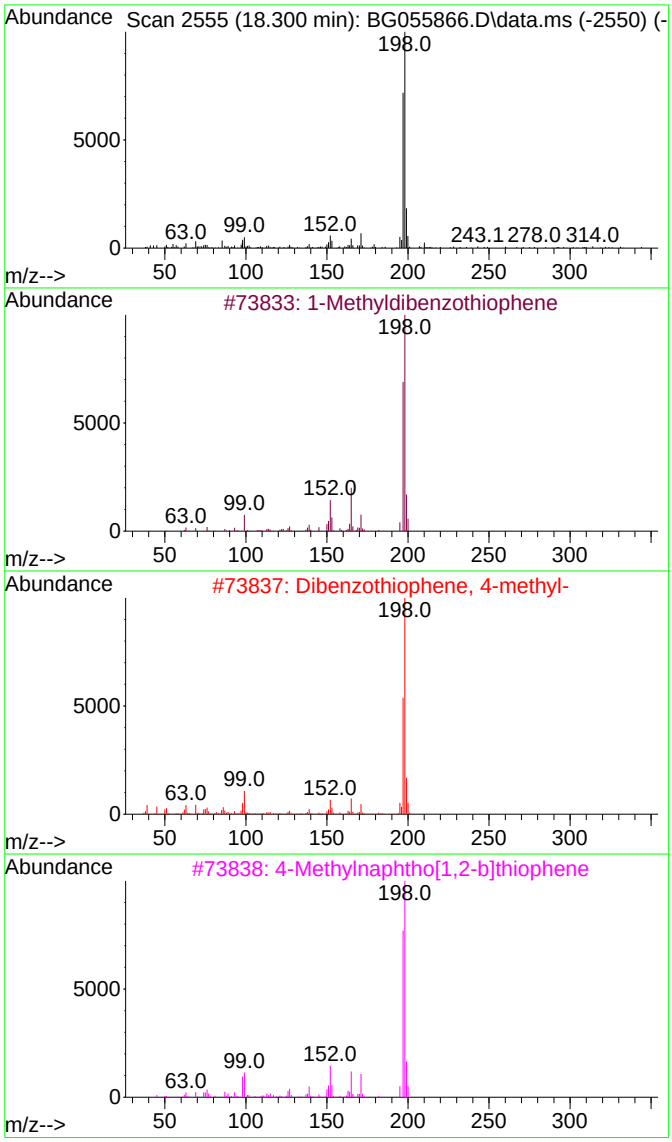
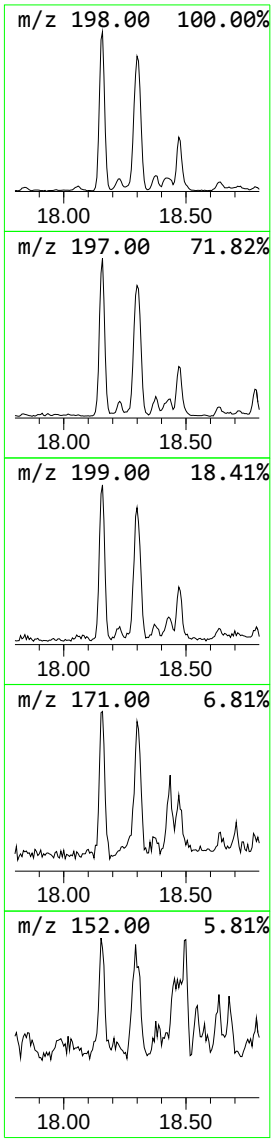
Peak Number 7 1-Methyldibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.300	6.32 ng	209431	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87





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Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-3-113022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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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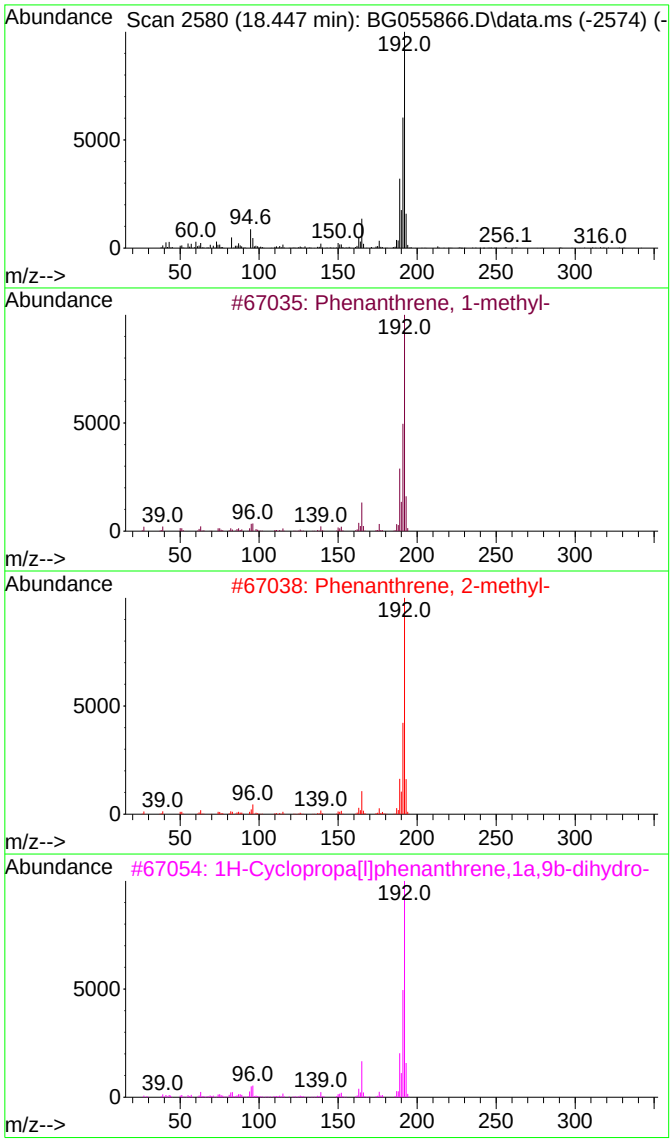
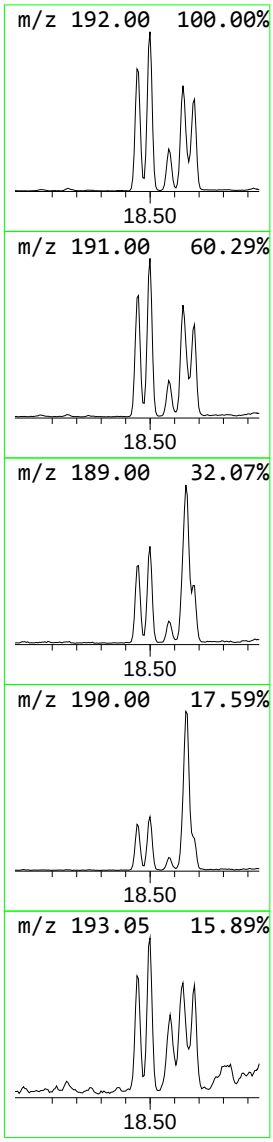
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.447	20.05 ng	664802	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-3-113022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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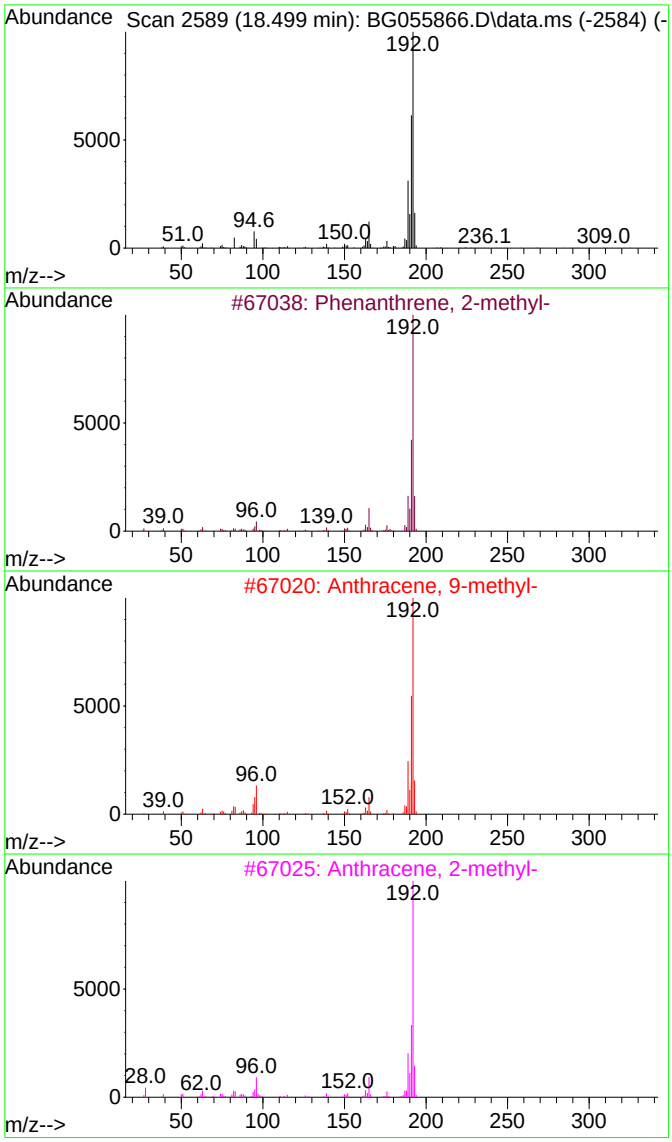
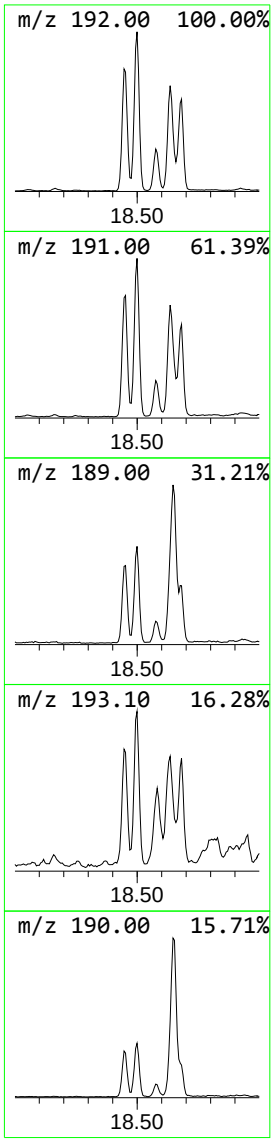
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.499	20.19 ng	669289	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

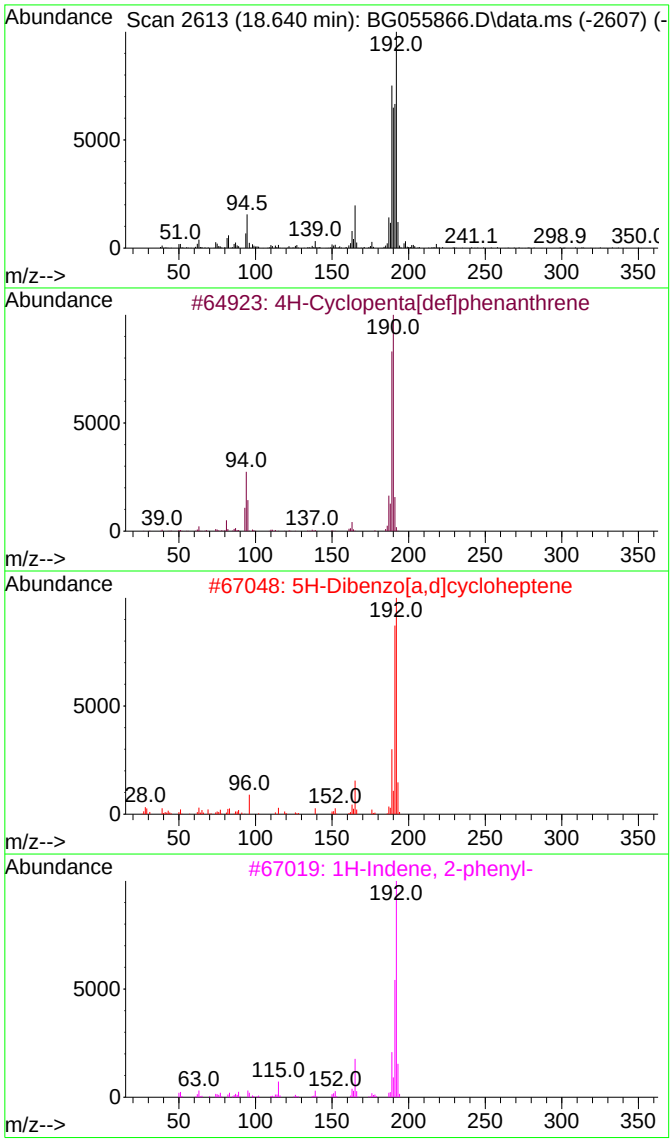
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

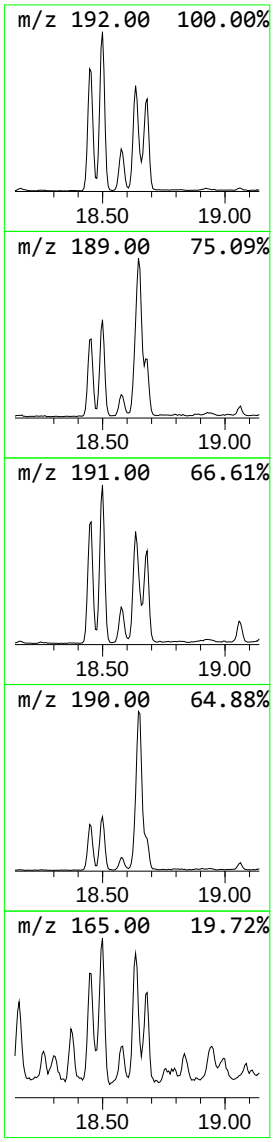
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.640	22.74 ng	753864	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	45





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Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-3-113022

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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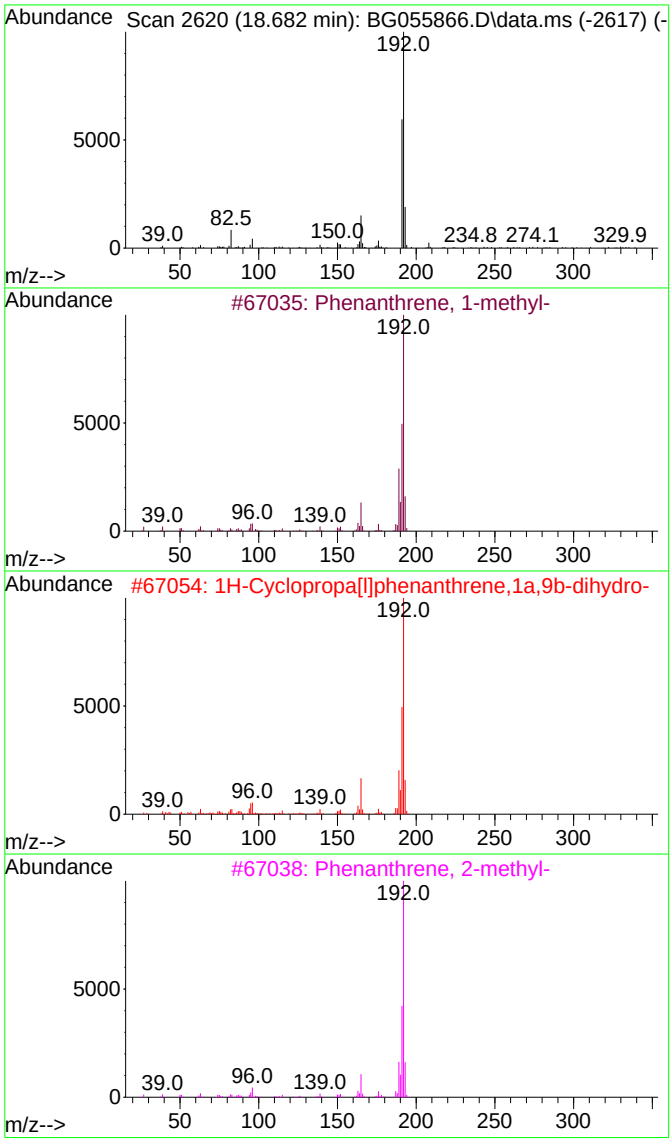
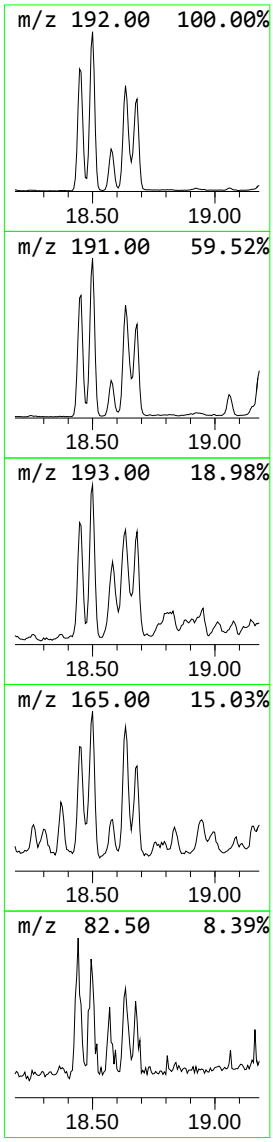
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.682	9.38 ng	310874	Phenanthrene-d10	17.577

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





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Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

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

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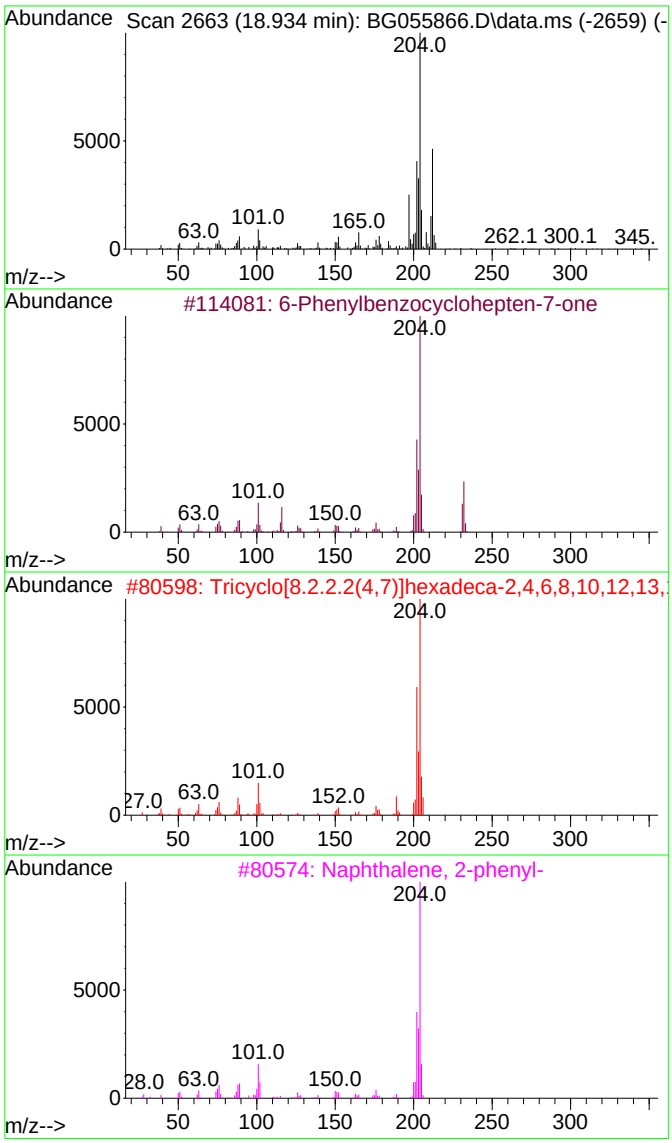
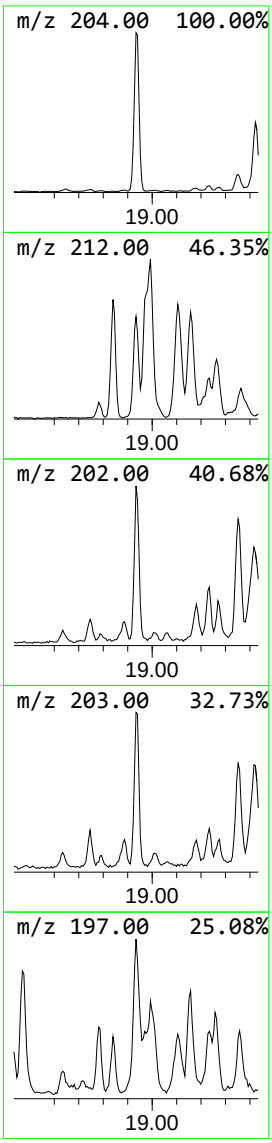
Peak Number 12 unknown18.934 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.934	9.21 ng	305247	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	47
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38





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Sample : N5817-01 2X
Misc :
ALS Vial : 14 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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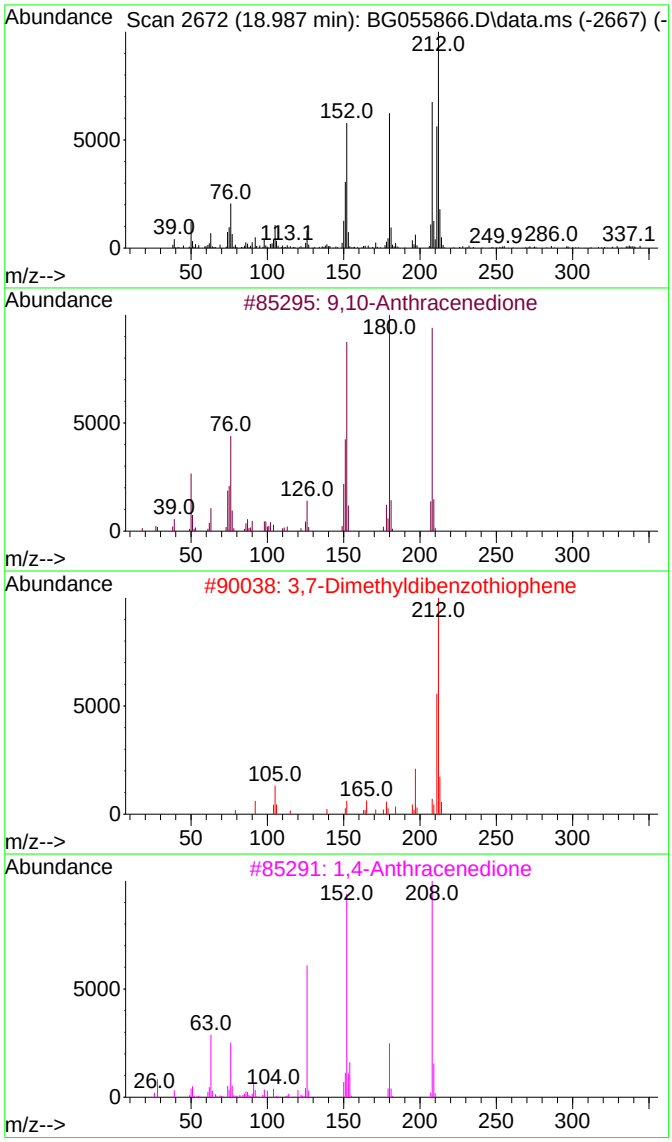
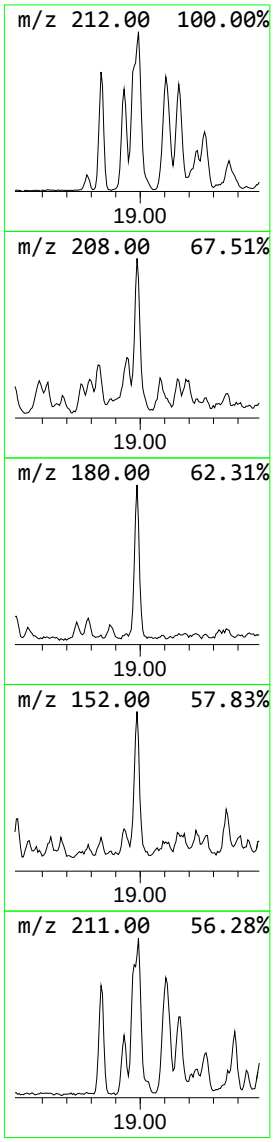
Peak Number 13 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.987	11.75 ng	389441	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
2	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	43
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	42
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	42
5	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	41





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Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 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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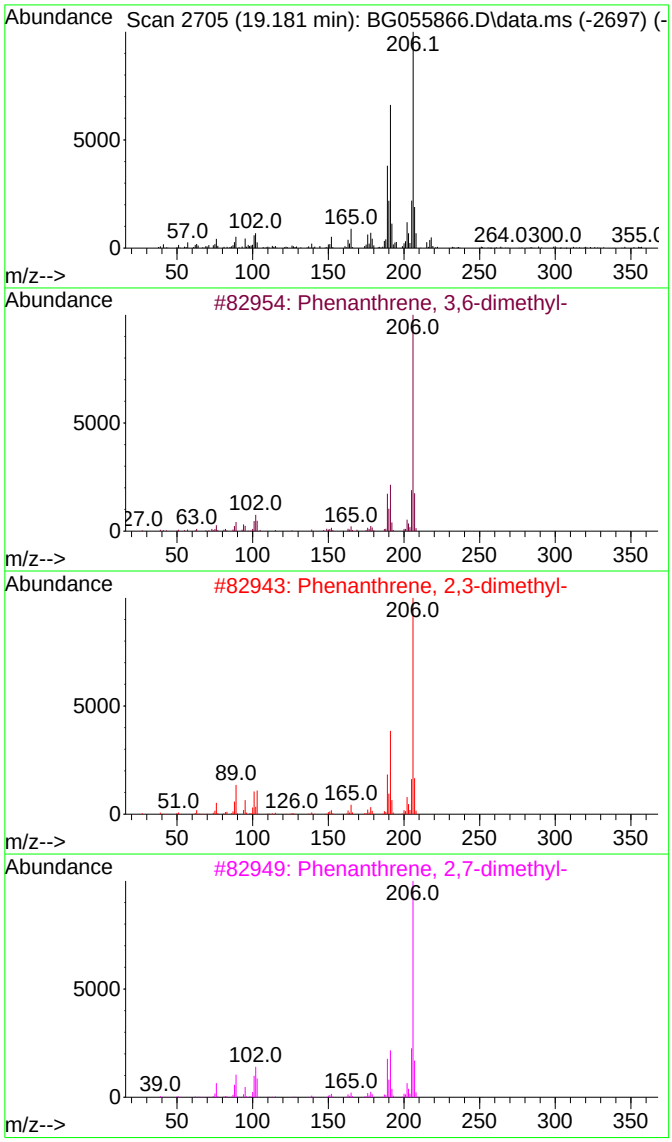
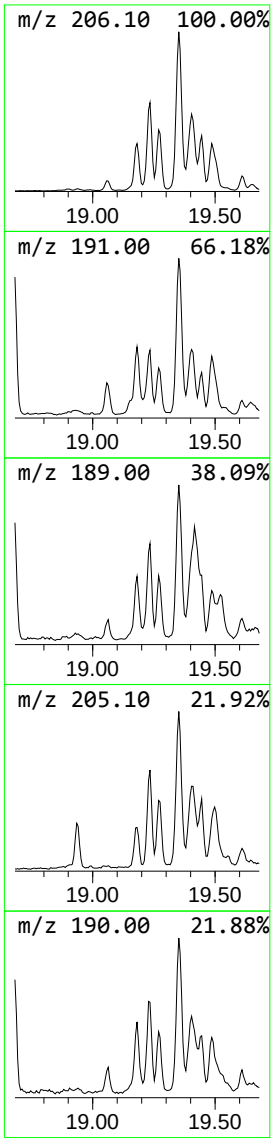
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.181	9.96 ng	330275	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87





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Sample : N5817-01 2X
Misc :
ALS Vial : 14 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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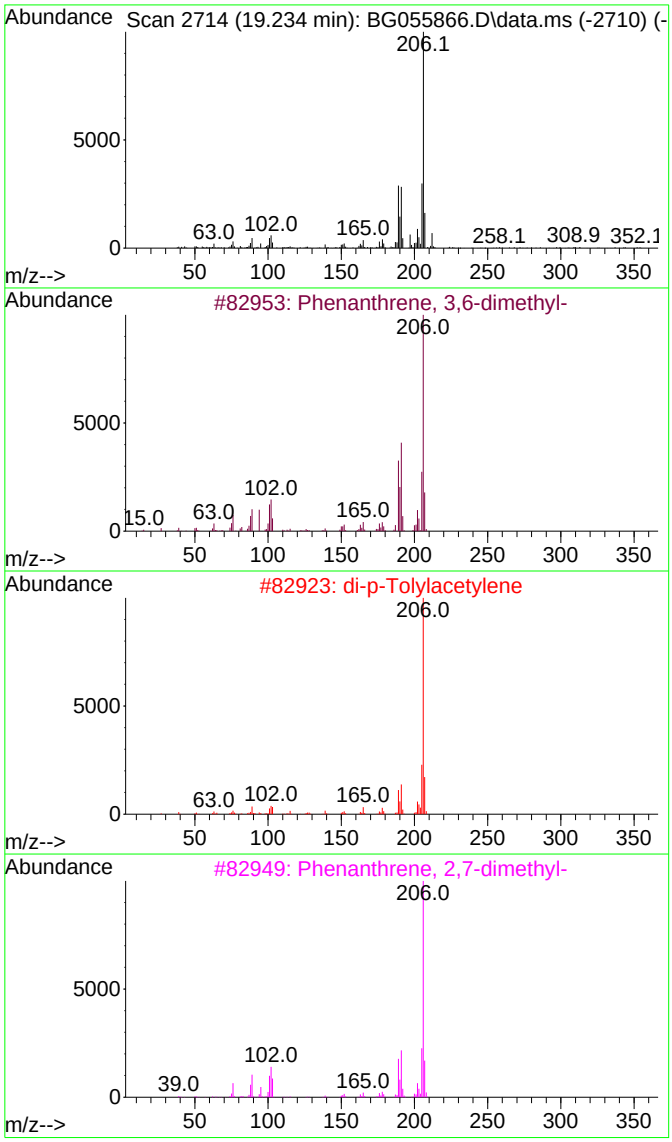
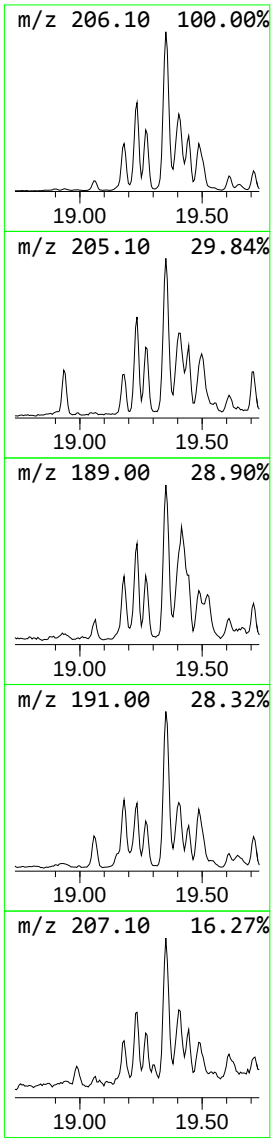
Peak Number 15 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.234	7.56 ng	250674	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	74





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

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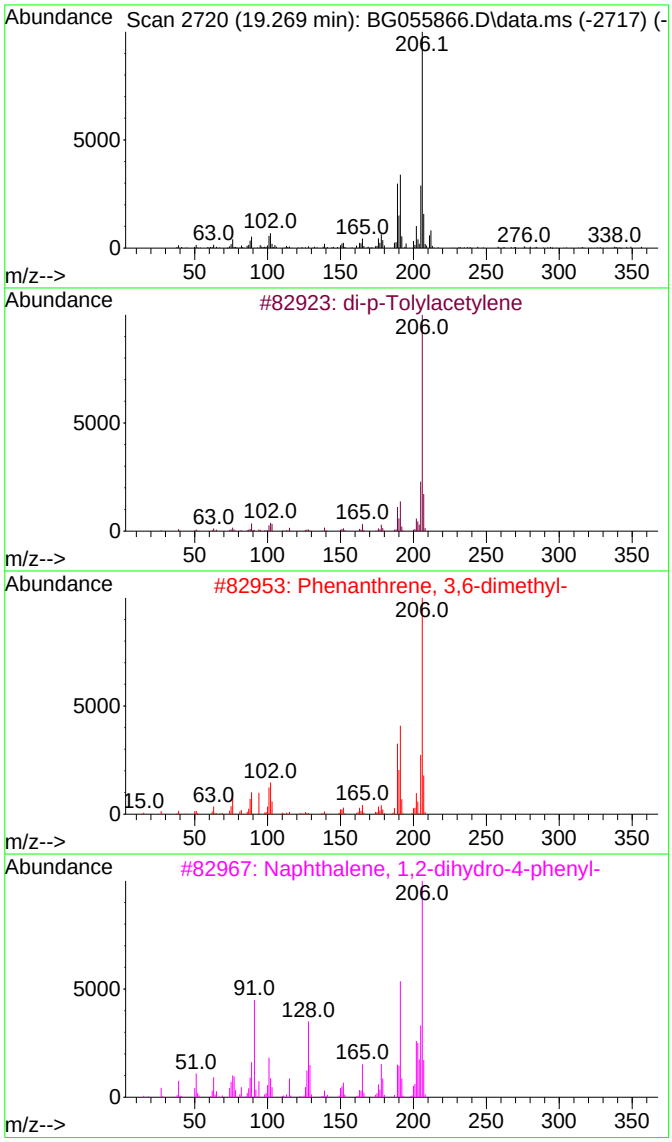
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

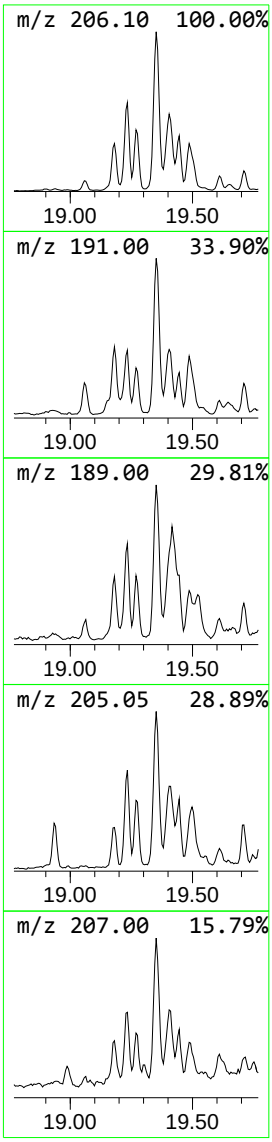
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Naphthalene, 1,2-dihydro-4-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.269	7.16 ng	237480	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83





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Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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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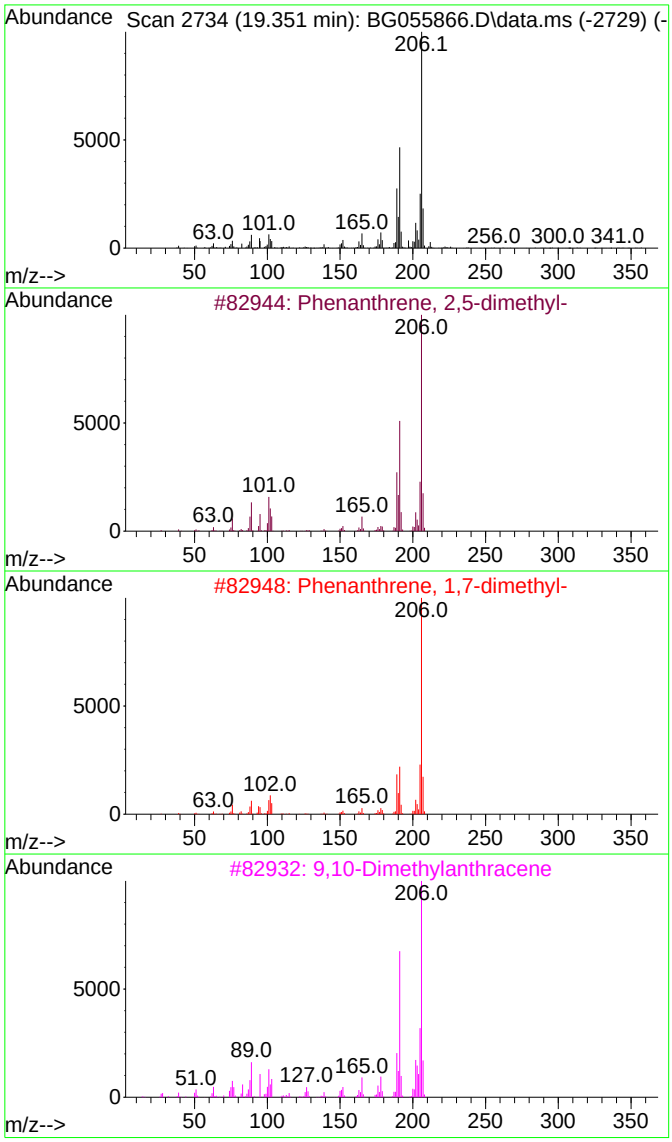
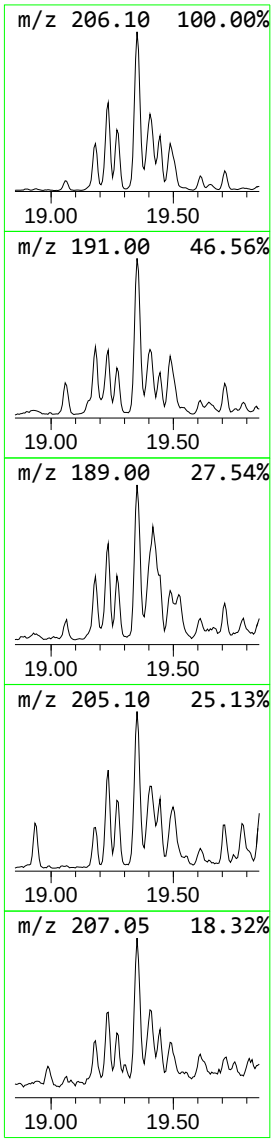
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.351	23.07 ng	764893	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

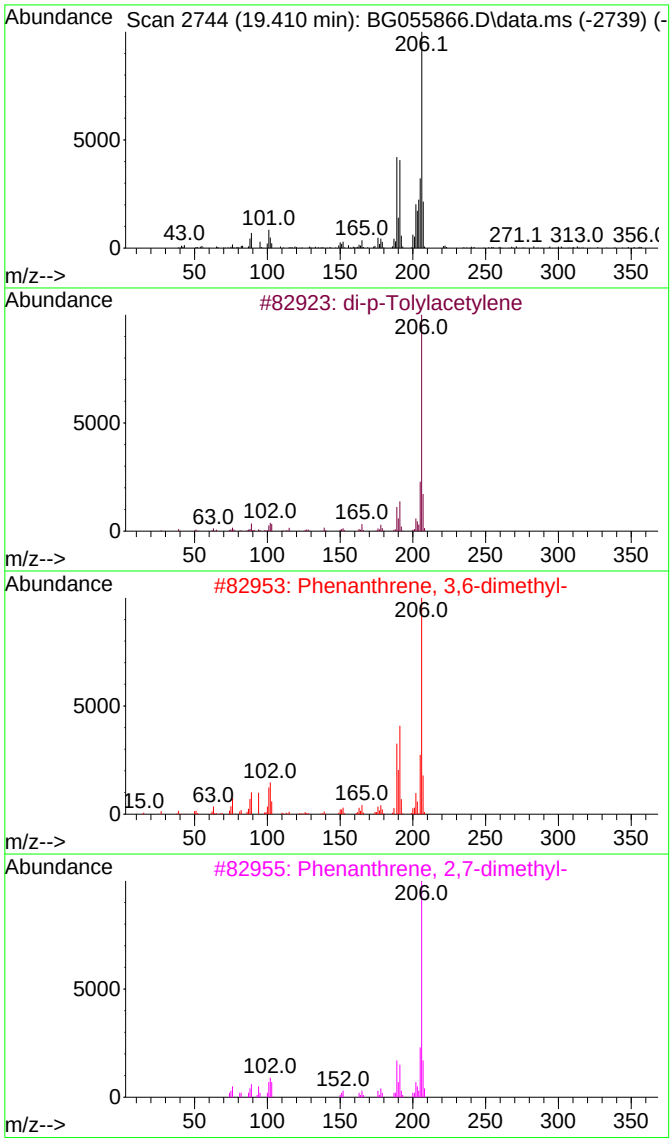
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

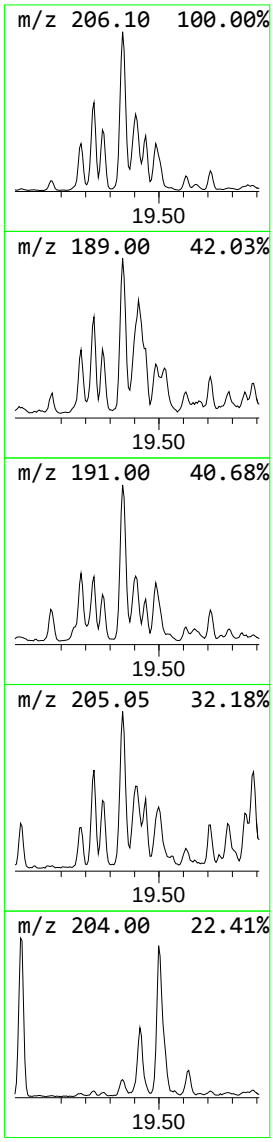
****

Peak Number 18 Phenanthrene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.410	7.00 ng	232095	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	74
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	62
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	60
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	58
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

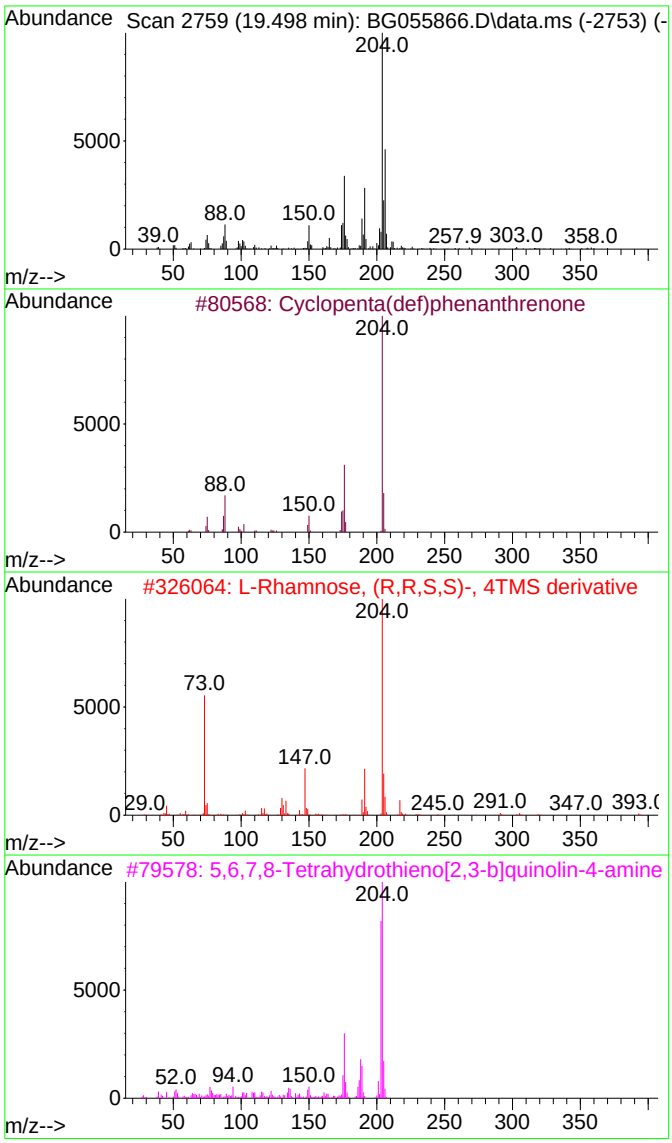
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

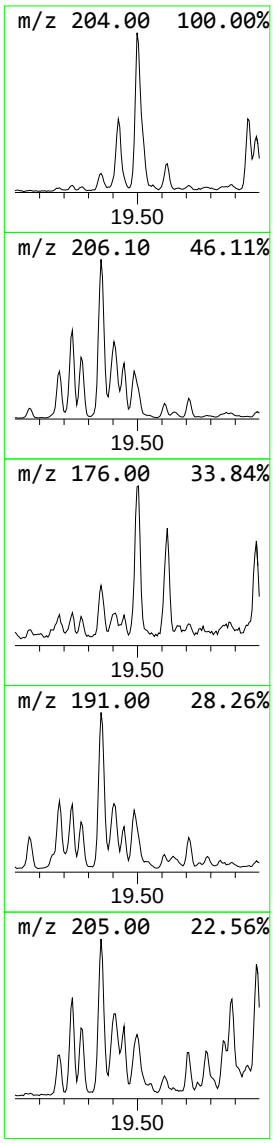
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.498	11.87 ng	393637	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	L-Rhamnose, (R,R,S,S)-, 4TMS der...	452	C18H44O5Si4	108392-01-4	47
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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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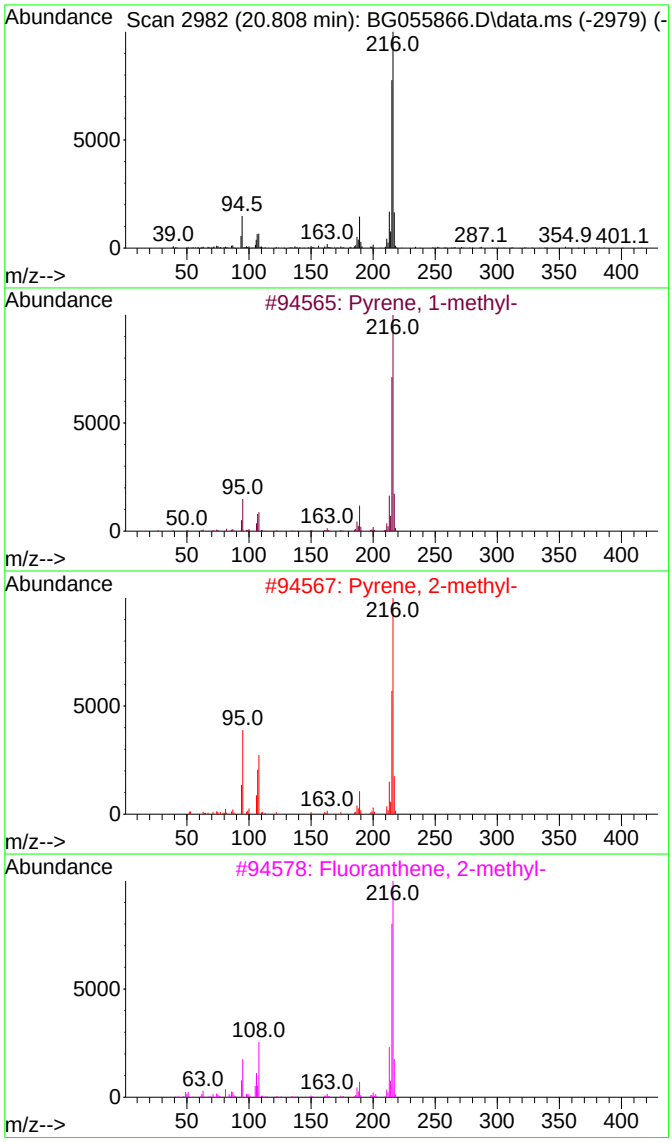
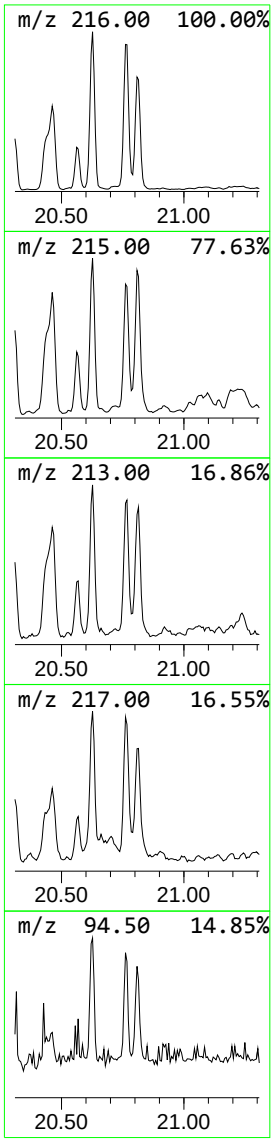
Peak Number 20 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.808	7.57 ng	612904	Chrysene-d12	21.872

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055866.D
Acq On : 1 Dec 2022 22:05
Operator : CG/JU
Sample : N5817-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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
2-Pentanone, 4-...	5.256	9.3	ng	146468	1	8.211	314911	20.0
Naphthalene, 2,...	14.157	6.1	ng	176588	3	14.833	581746	20.0
Naphthalene, 1,...	15.227	6.6	ng	193167	3	14.833	581746	20.0
Naphthalene, 2,...	15.444	5.6	ng	163274	3	14.833	581746	20.0
Chamazulene	16.537	6.4	ng	210703	4	17.577	663092	20.0
2-Methyldibenzo...	18.159	7.5	ng	249361	4	17.577	663092	20.0
1-Methyldibenzo...	18.300	6.3	ng	209431	4	17.577	663092	20.0
Phenanthrene, 1...	18.447	20.1	ng	664802	4	17.577	663092	20.0
Phenanthrene, 2...	18.499	20.2	ng	669289	4	17.577	663092	20.0
4H-Cyclopenta[d...	18.640	22.7	ng	753864	4	17.577	663092	20.0
1H-Cyclopropa[l...	18.682	9.4	ng	310874	4	17.577	663092	20.0
unknown18.934	18.934	9.2	ng	305247	4	17.577	663092	20.0
9,10-Anthracene...	18.987	11.8	ng	389441	4	17.577	663092	20.0
Phenanthrene, 3...	19.181	10.0	ng	330275	4	17.577	663092	20.0
di-p-Tolylacety...	19.234	7.6	ng	250674	4	17.577	663092	20.0
Naphthalene, 1,...	19.269	7.2	ng	237480	4	17.577	663092	20.0
Phenanthrene, 2...	19.351	23.1	ng	764893	4	17.577	663092	20.0
Phenanthrene, 2...	19.410	7.0	ng	232095	4	17.577	663092	20.0
Cyclopenta(def)...	19.498	11.9	ng	393637	4	17.577	663092	20.0
Pyrene, 1-methyl-	20.808	7.6	ng	612904	5	21.872	1620220	20.0