LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
Data File : BG057898.D
Acq On : 28 Jun 2023 18:42
Operator : CG/JU
Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ORA-1652

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-BG062723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057898.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.496	403	410	420	rBV	186946	309420	7.31%	0.830%
2	7.082	672	680	689	rBV	190537	333078	7.86%	0.894%
3	7.923	815	823	830	rVB	237656	395465	9.34%	1.061%
4	9.080	1014	1020	1027	rVV	106993	188025	4.44%	0.504%
5	10.725	1289	1300	1305	rBV	316600	582668	13.76%	1.563%
6	10.778	1305	1309	1315	rVB	37837	69503	1.64%	0.186%
7	11.418	1408	1418	1424	rVB10	15308	45102	1.06%	0.121%
8	11.742	1469	1473	1477	rBV	28849	44679	1.05%	0.120%
9	12.382	1577	1582	1590	rVB	36266	63831	1.51%	0.171%
10	12.599	1614	1619	1629	rVB	44525	84239	1.99%	0.226%
11	13.087	1698	1702	1709	rVB	43106	67731	1.60%	0.182%
12	13.175	1709	1717	1723	rBV	260438	417885	9.87%	1.121%
13	13.716	1803	1809	1820	rBV4	32296	100884	2.38%	0.271%
14	13.880	1831	1837	1842	rBV	53543	97966	2.31%	0.263%
15	13.933	1842	1846	1850	rVB	34774	52406	1.24%	0.141%
16	14.033	1859	1863	1867	rVB	34425	49154	1.16%	0.132%
17	14.280	1901	1905	1918	rVV2	64918	141233	3.33%	0.379%
18	14.386	1920	1923	1929	rVB6	24760	43548	1.03%	0.117%
19	14.556	1942	1952	1958	rBV	450357	761058	17.97%	2.042%
20	14.621	1958	1963	1971	rVB	227243	350104	8.27%	0.939%
21	14.773	1983	1989	1996	rVB6	22305	58513	1.38%	0.157%
22	14.867	1998	2005	2010	rVV4	23987	55246	1.30%	0.148%
23	14.955	2014	2020	2026	rVV	157528	255140	6.02%	0.684%
24	15.026	2028	2032	2037	rVB	36485	49663	1.17%	0.133%
25	15.173	2052	2057	2062	rBV	41567	70776	1.67%	0.190%
26	15.343	2079	2086	2089	rBV4	32288	59640	1.41%	0.160%
27	15.602	2124	2130	2141	rBV2	279212	475512	11.23%	1.276%
28	15.725	2148	2151	2154	rVV2	44421	65165	1.54%	0.175%
29	15.760	2154	2157	2162	rVV4	48653	69281	1.64%	0.186%
30	15.813	2162	2166	2170	rVV2	35275	52145	1.23%	0.140%
31	15.896	2176	2180	2188	rVB2	94110	175608	4.15%	0.471%
32	16.042	2199	2205	2213	rVB	283150	468215	11.06%	1.256%
33	16.283	2240	2246	2256	rVB2	81770	167500	3.96%	0.449%
34	16.606	2294	2301	2305	rBV2	74704	134331	3.17%	0.360%
35	16.654	2306	2309	2315	rVB2	48632	72972	1.72%	0.196%
36	16.753	2323	2326	2331	rVB	57167	83005	1.96%	0.223%

LSC Area Percent Report

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Acq On : 28 Jun 2023 18:42
Operator : CG/JU
Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ORA-1652

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-BG062723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.836	2332	2340	2343	rBV3	51732	121624	2.87%	0.326%
38	16.877	2344	2347	2350	rVB2	34835	46009	1.09%	0.123%
39	16.959	2356	2361	2367	rVB3	35834	68625	1.62%	0.184%
40	17.030	2369	2373	2376	rBV3	46195	80127	1.89%	0.215%
41	17.118	2383	2388	2397	rVB	146084	270429	6.39%	0.725%
42	17.306	2414	2420	2423	rBV	506245	826083	19.51%	2.216%
43	17.347	2423	2427	2433	rVV	1654239	2441826	57.66%	6.550%
44	17.435	2437	2442	2447	rVV	563335	809682	19.12%	2.172%
45	17.488	2447	2451	2457	rVV2	57908	110617	2.61%	0.297%
46	17.705	2484	2488	2492	rBV	81589	121491	2.87%	0.326%
47	17.823	2505	2508	2512	rVB	45421	54284	1.28%	0.146%
48	17.881	2514	2518	2526	rVB2	57423	92389	2.18%	0.248%
49	18.028	2539	2543	2549	rVB	40209	67978	1.61%	0.182%
50	18.181	2564	2569	2573	rBV	262522	416395	9.83%	1.117%
51	18.228	2573	2577	2583	rVB	358457	523282	12.36%	1.404%
52	18.305	2586	2590	2595	rBV	164992	248498	5.87%	0.667%
53	18.375	2596	2602	2606	rVV3	585248	1060417	25.04%	2.845%
54	18.410	2606	2608	2613	rVB	192354	226927	5.36%	0.609%
55	18.487	2618	2621	2624	rVB3	39004	42531	1.00%	0.114%
56	18.675	2649	2653	2657	rBV	213307	280978	6.63%	0.754%
57	18.921	2692	2695	2699	rVV2	64997	74185	1.75%	0.199%
58	18.974	2701	2704	2707	rVV	80696	99617	2.35%	0.267%
59	19.010	2707	2710	2714	rVB2	71119	101385	2.39%	0.272%
60	19.092	2719	2724	2730	rBV	217097	430114	10.16%	1.154%
61	19.239	2744	2749	2757	rBV2	121515	315009	7.44%	0.845%
62	19.362	2764	2770	2776	rBV	2768752	4235072	100.00%	11.361%
63	19.421	2777	2780	2783	rVV	63738	85035	2.01%	0.228%
64	19.456	2783	2786	2790	rVB2	86242	108947	2.57%	0.292%
65	19.603	2807	2811	2814	rBV	105254	151453	3.58%	0.406%
66	19.691	2821	2826	2827	rBV	530641	658041	15.54%	1.765%
67	19.726	2827	2832	2839	rVV	2547349	4137083	97.69%	11.098%
68	19.791	2839	2843	2849	rVB2	179141	283748	6.70%	0.761%
69	19.914	2858	2864	2868	rVB2	377015	606475	14.32%	1.627%
70	19.956	2868	2871	2876	rVB2	126255	169878	4.01%	0.456%
71	20.050	2880	2887	2892	rBV3	206159	527487	12.46%	1.415%
72	20.214	2911	2915	2920	rVB	552913	819629	19.35%	2.199%
73	20.308	2927	2931	2936	rBV	466084	649995	15.35%	1.744%
74	20.367	2939	2941	2946	rVB	257480	340892	8.05%	0.914%
75	20.508	2962	2965	2969	rBV	184780	247456	5.84%	0.664%
76	20.555	2970	2973	2977	rVV	175458	209368	4.94%	0.562%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
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Acq On : 28 Jun 2023 18:42
Operator : CG/JU
Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ORA-1652

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-BG062723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.148	3071	3074	3077	rBV	138755	159696	3.77%	0.428%
78	21.189	3078	3081	3085	rBV	170180	227532	5.37%	0.610%
79	21.548	3136	3142	3148	rBV2	1302413	2976906	70.29%	7.986%
80	21.607	3149	3152	3164	rVB	1071781	1880960	44.41%	5.046%
81	21.753	3173	3177	3184	rBV2	258121	438911	10.36%	1.177%
82	23.728	3506	3513	3520	rBV	501612	1745080	41.21%	4.681%
83	24.574	3652	3657	3673	rVB	399788	1176620	27.78%	3.156%

Sum of corrected areas: 37277457

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
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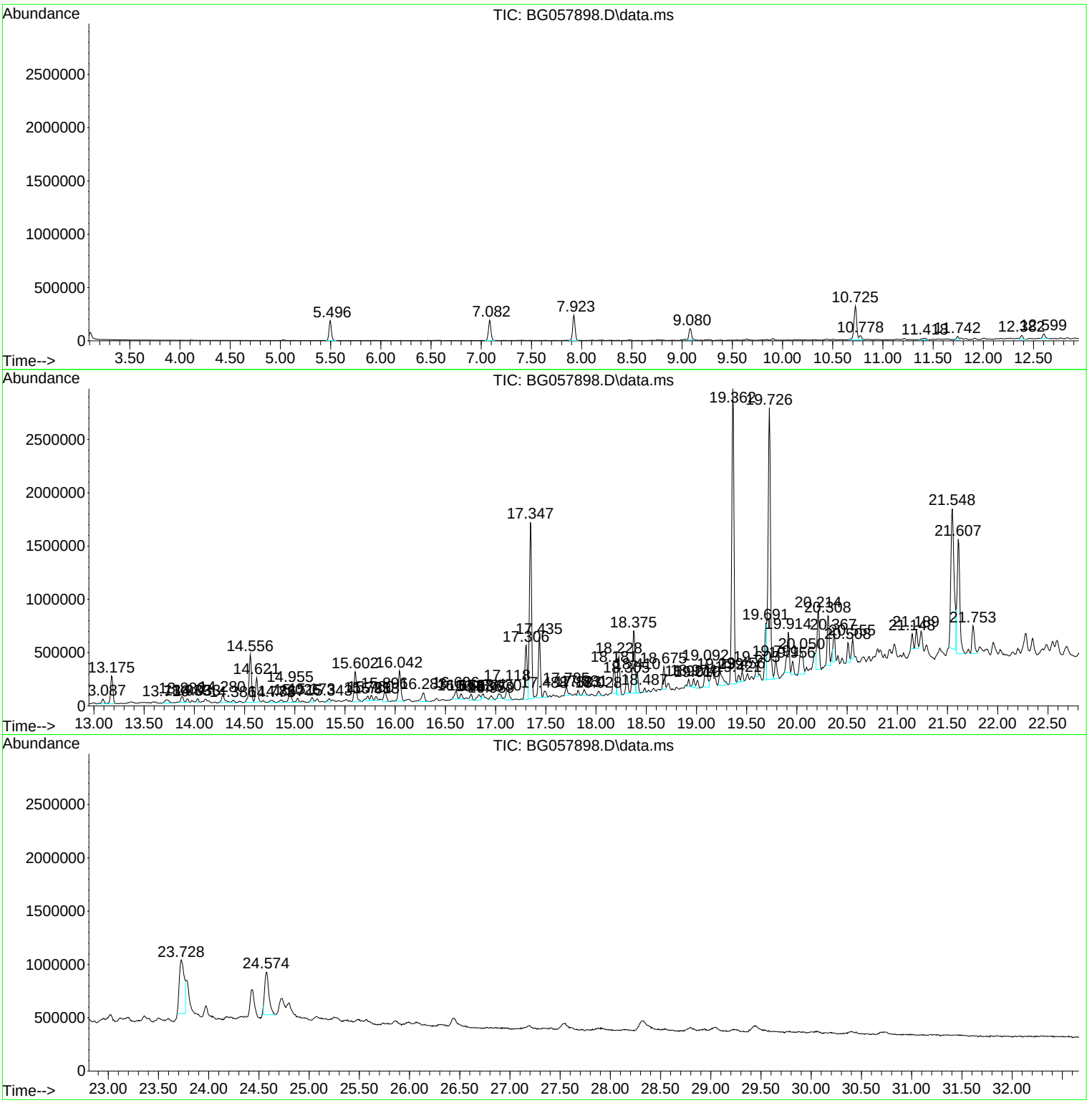
Operator : CG/JU
Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ORA-1652

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.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\BG062823\
Data File : BG057898.D
Acq On : 28 Jun 2023 18:42
Operator : CG/JU
Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ORA-1652

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

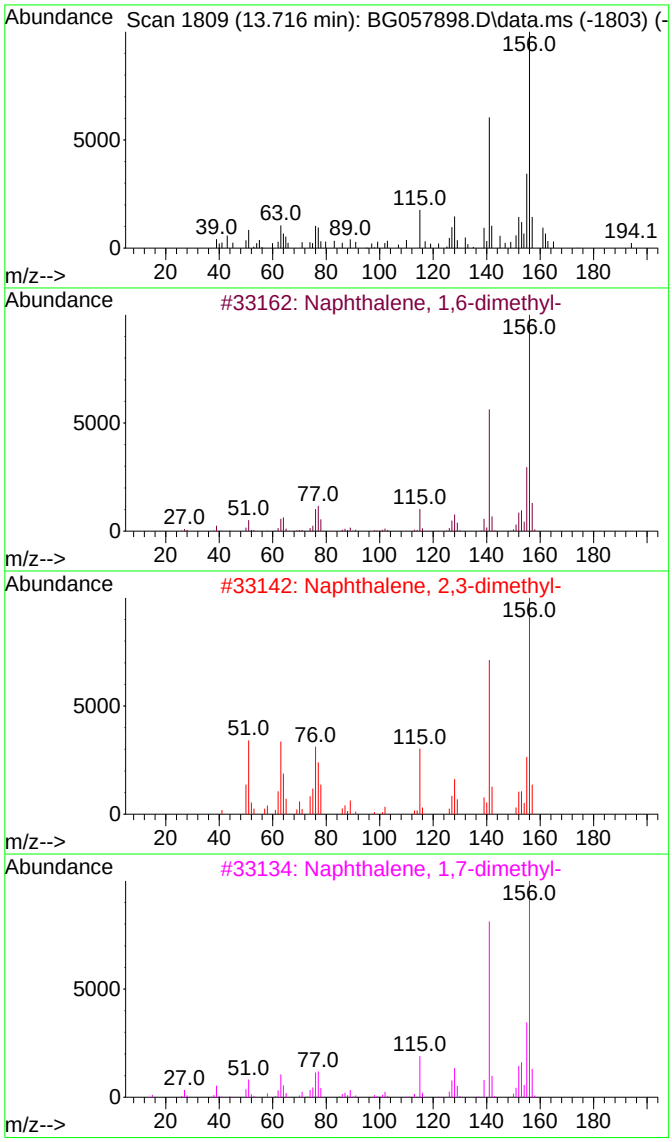
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

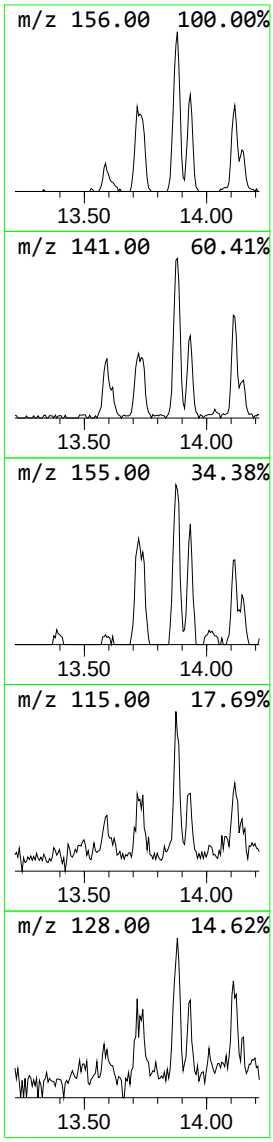
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.716	2.65 ng	100884	Acenaphthene-d10	14.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
Data File : BG057898.D
Acq On : 28 Jun 2023 18:42
Operator : CG/JU
Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ORA-1652

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

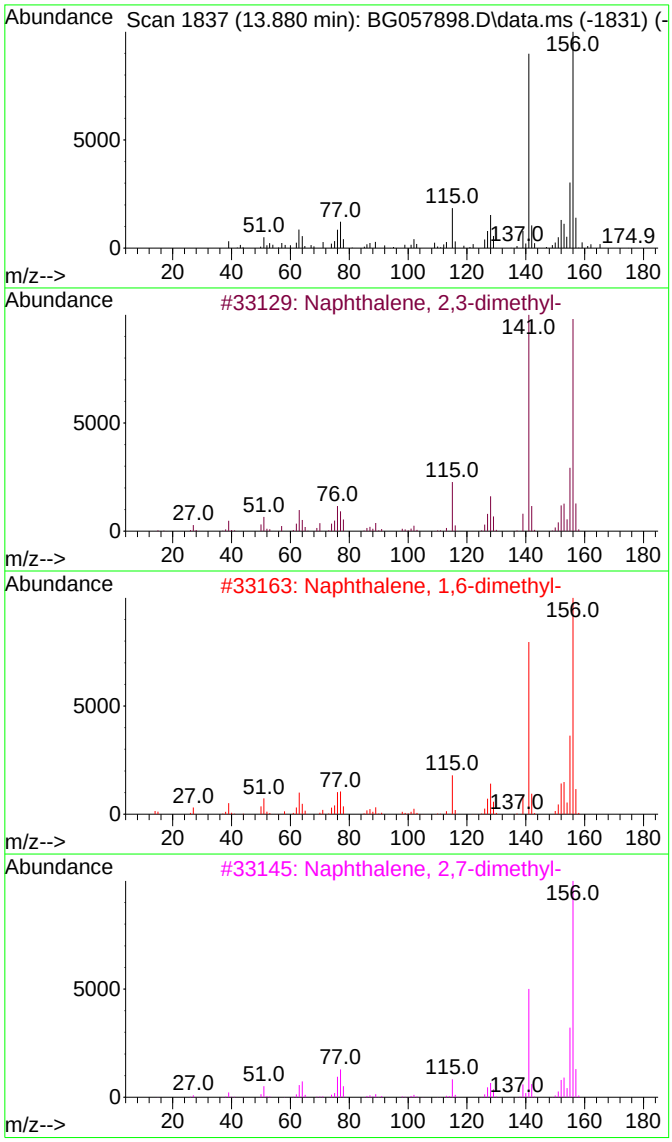
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

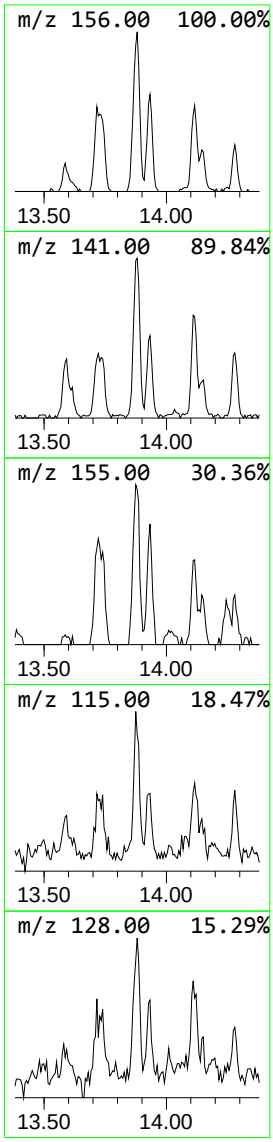
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	2.57 ng	97966	Acenaphthene-d10	14.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
Data File : BG057898.D
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Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ORA-1652

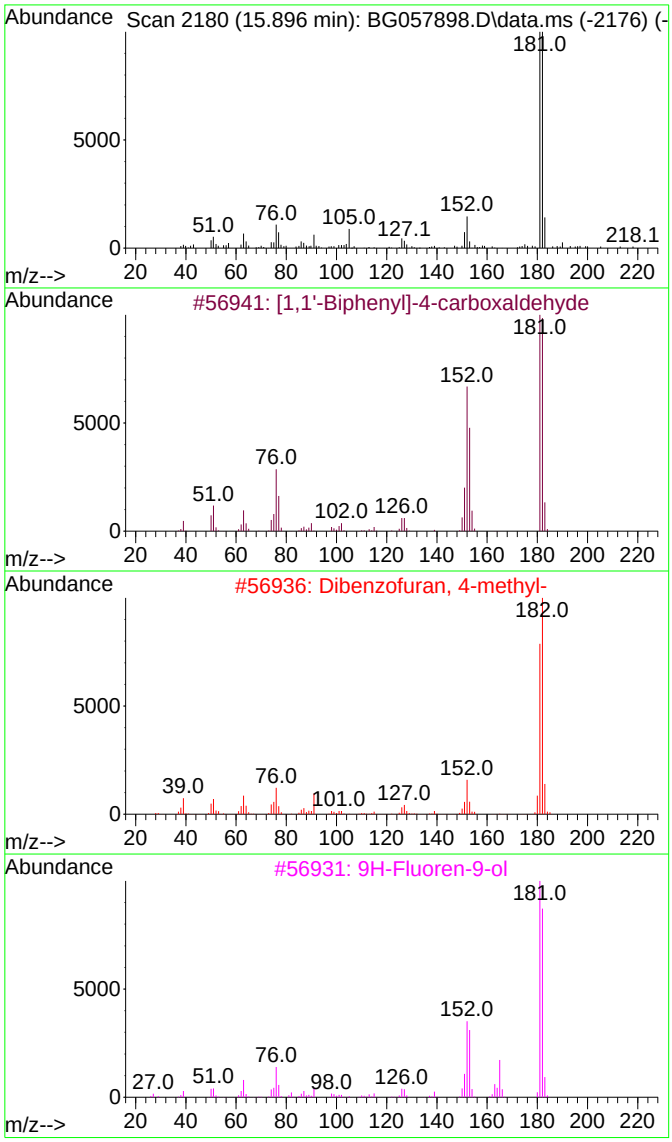
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

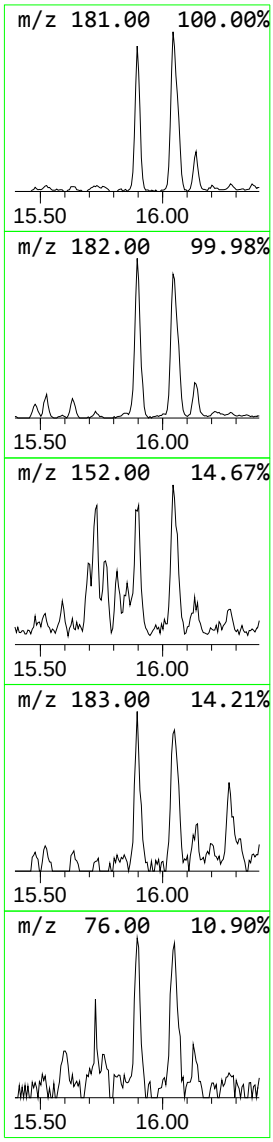
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.896	4.61 ng	175608	Acenaphthene-d10	14.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	Norharmane, N-methyl-	182	C12H10N2	1010374-78-6	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
Data File : BG057898.D
Acq On : 28 Jun 2023 18:42
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Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ORA-1652

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.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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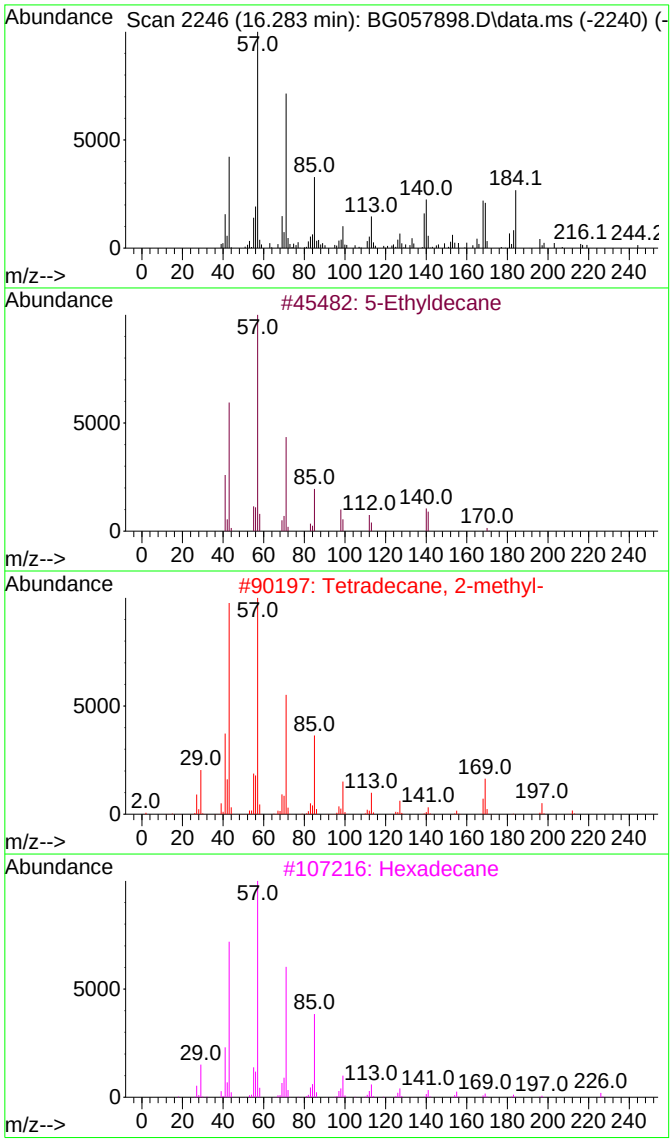
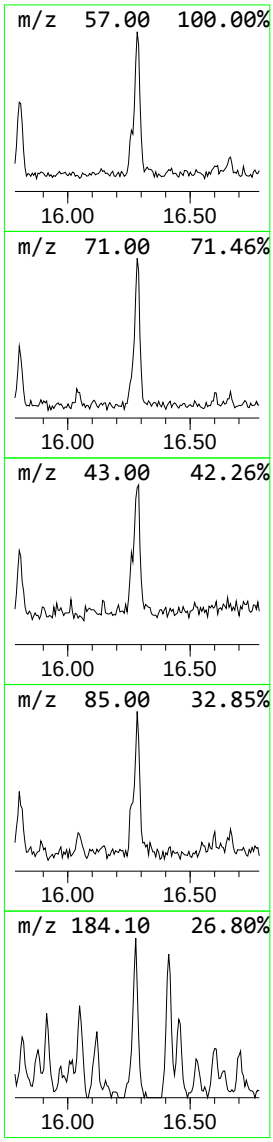
Peak Number 4 unknown16.283 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.283	4.06 ng	167500	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethyldecane	170	C12H26	017302-36-2	46
2	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	43
3	Hexadecane	226	C16H34	000544-76-3	38
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	38
5	Hexacosane	366	C26H54	000630-01-3	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
Data File : BG057898.D
Acq On : 28 Jun 2023 18:42
Operator : CG/JU
Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ORA-1652

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

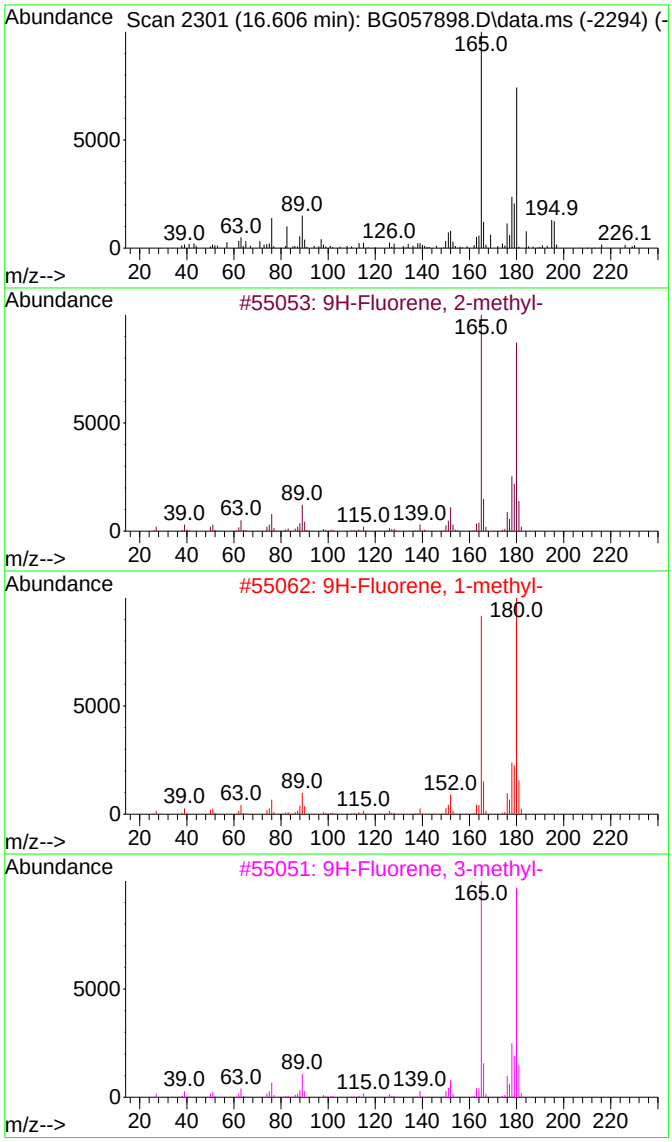
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

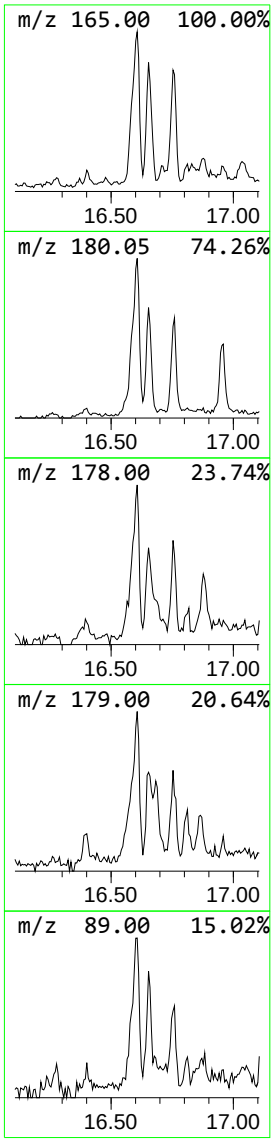
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.607	3.25 ng	134331	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
Data File : BG057898.D
Acq On : 28 Jun 2023 18:42
Operator : CG/JU
Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ORA-1652

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

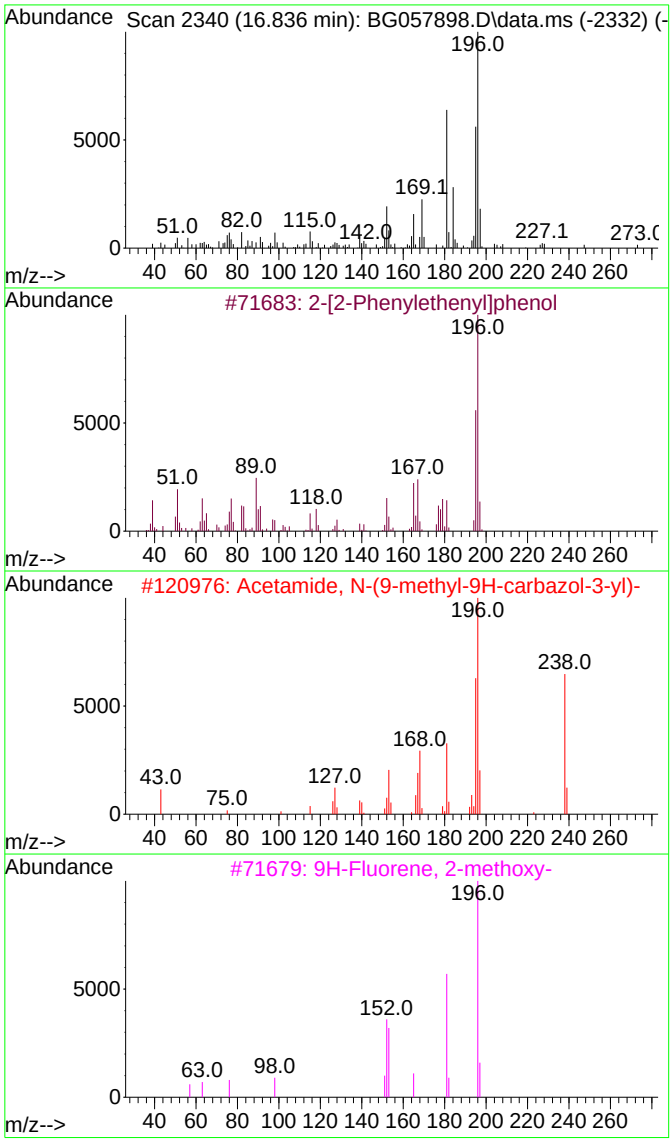
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

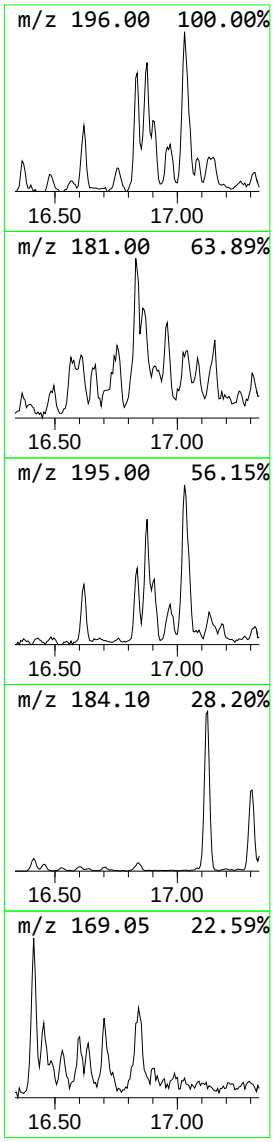
****

Peak Number 6 2-[2-Phenylethenyl]phenol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.836	2.94 ng	121624	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	52
2	Acetamide, N-(9-methyl-9H-carbaz...	238	C15H14N2O	1010317-28-1	47
3	9H-Fluorene, 2-methoxy-	196	C14H12O	002523-46-8	43
4	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	43
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	43





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Acq On : 28 Jun 2023 18:42
Operator : CG/JU
Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ORA-1652

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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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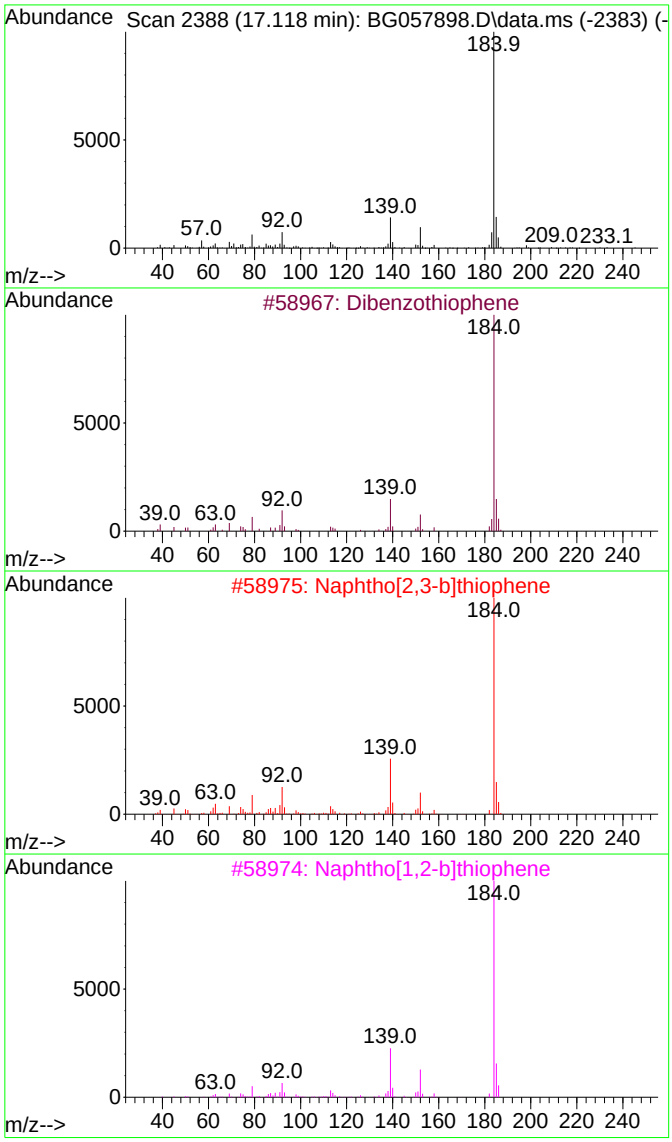
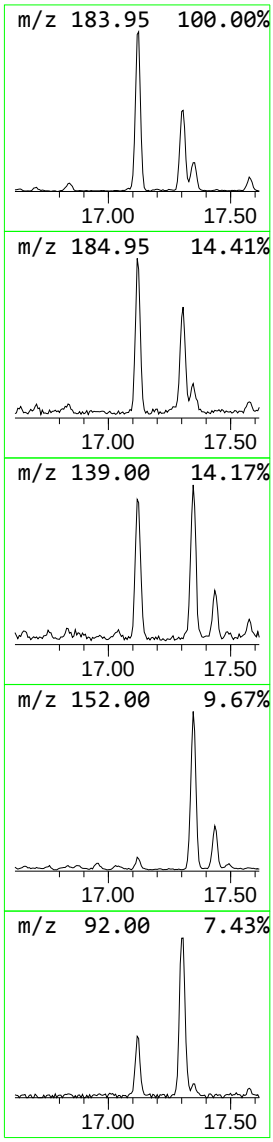
Peak Number 7 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.118	6.55 ng	270429	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ORA-1652

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

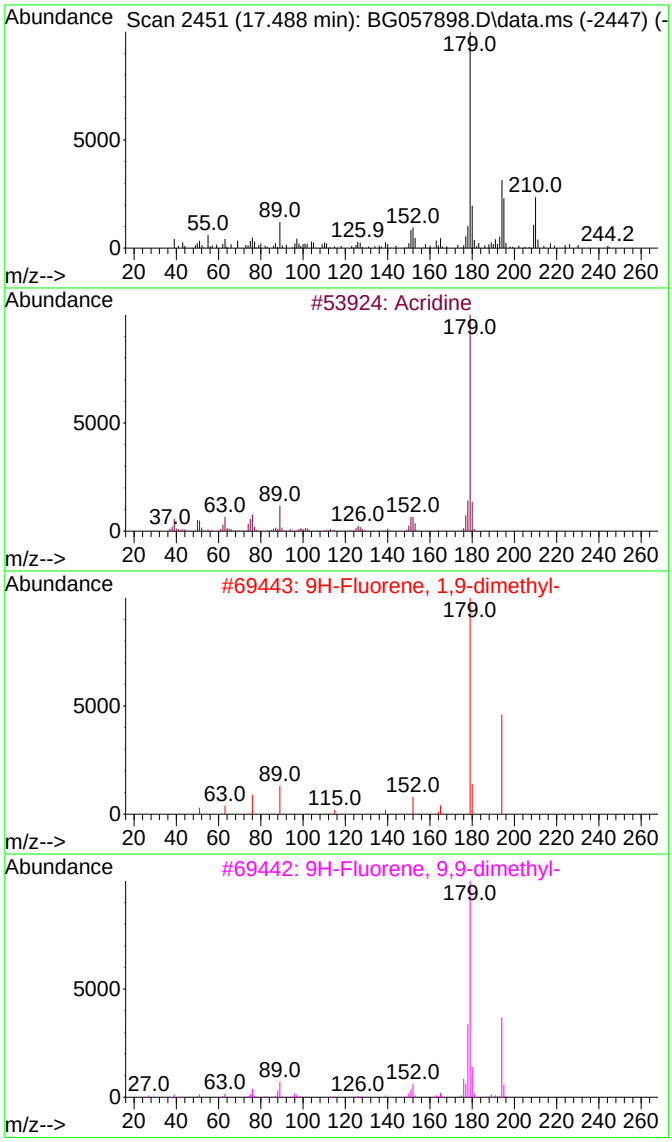
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

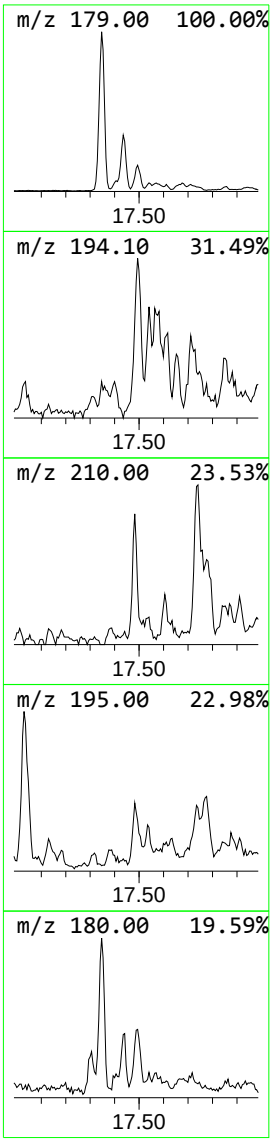
****

Peak Number 8 Acridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.488	2.68 ng	110617	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	60
2	9H-Fluorene, 1,9-dimethyl-	194	C15H14	017057-98-6	52
3	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	52
4	Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	50
5	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	50





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Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :
ORA-1652

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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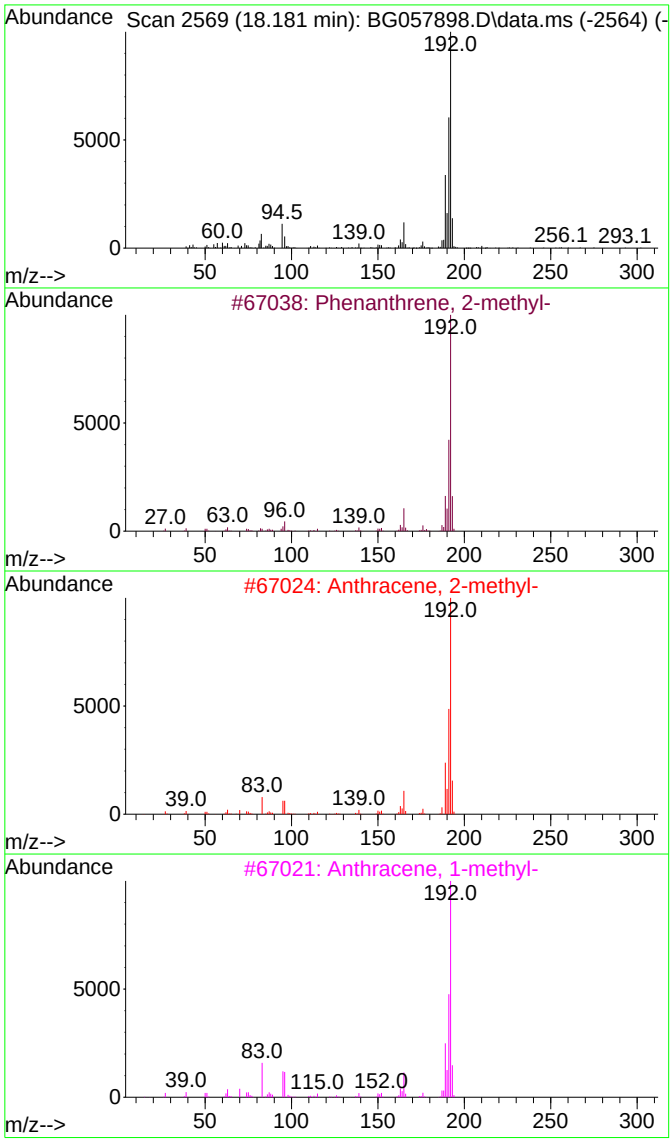
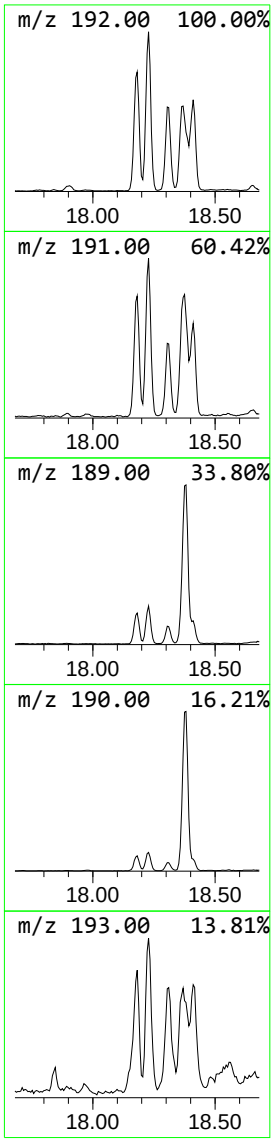
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.181	10.08 ng	416395	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





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Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

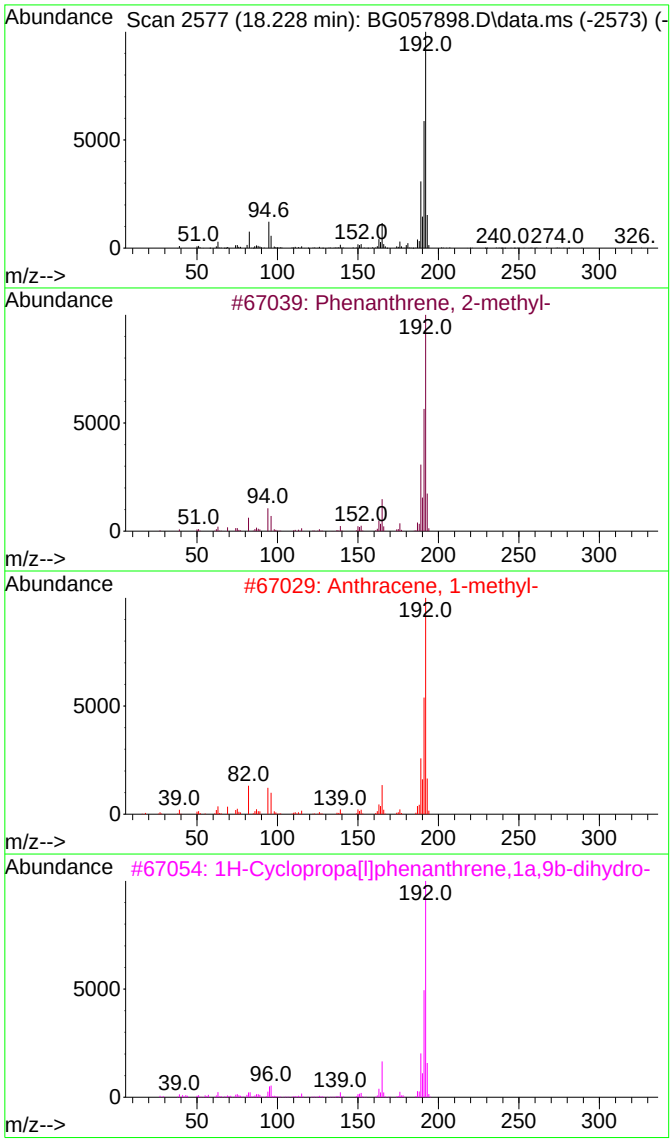
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

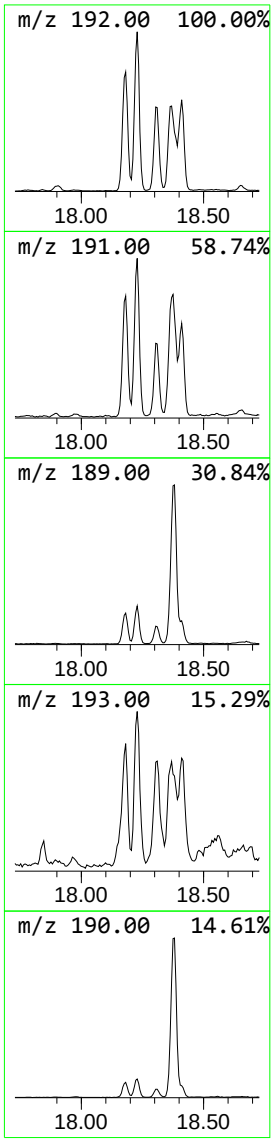
****

Peak Number 10 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.228	12.67 ng	523282	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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

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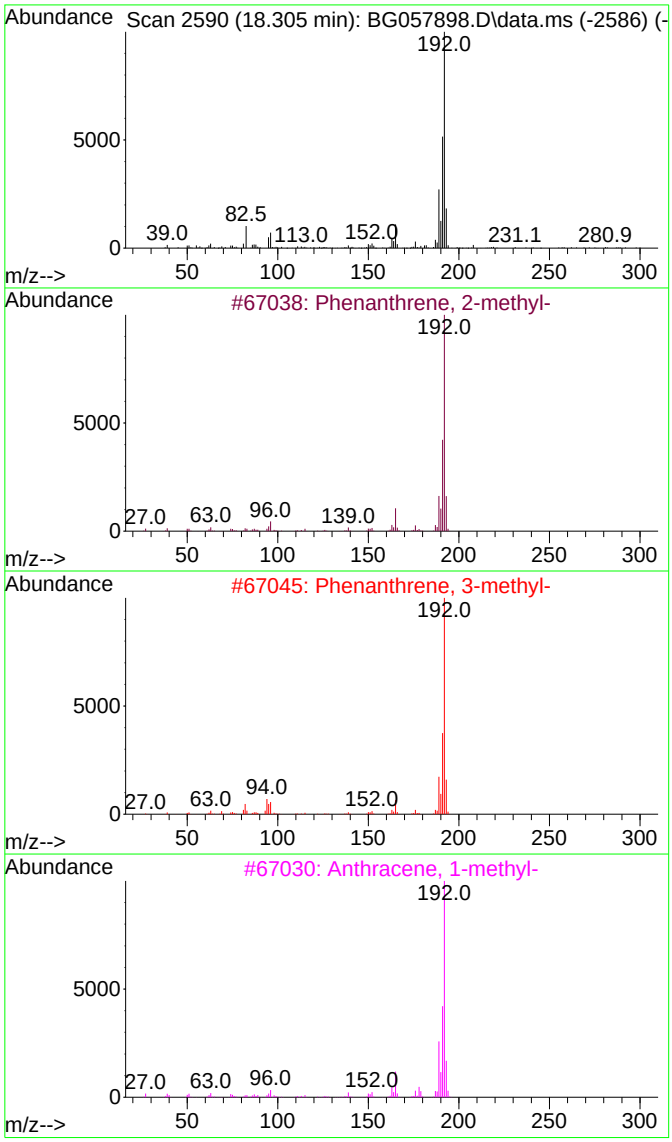
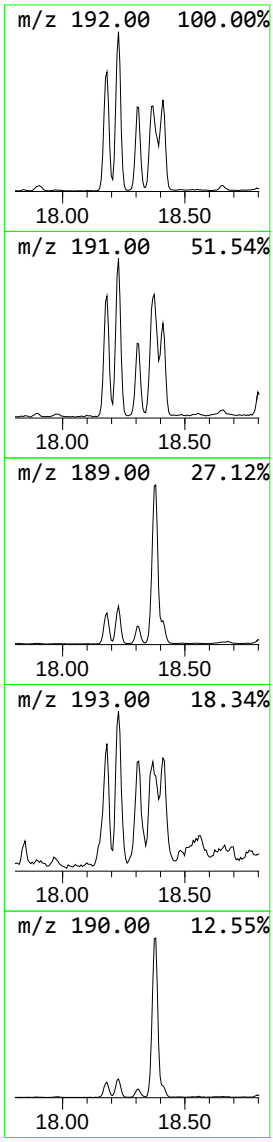
Peak Number 11 Phenanthrene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.305	6.02 ng	248498	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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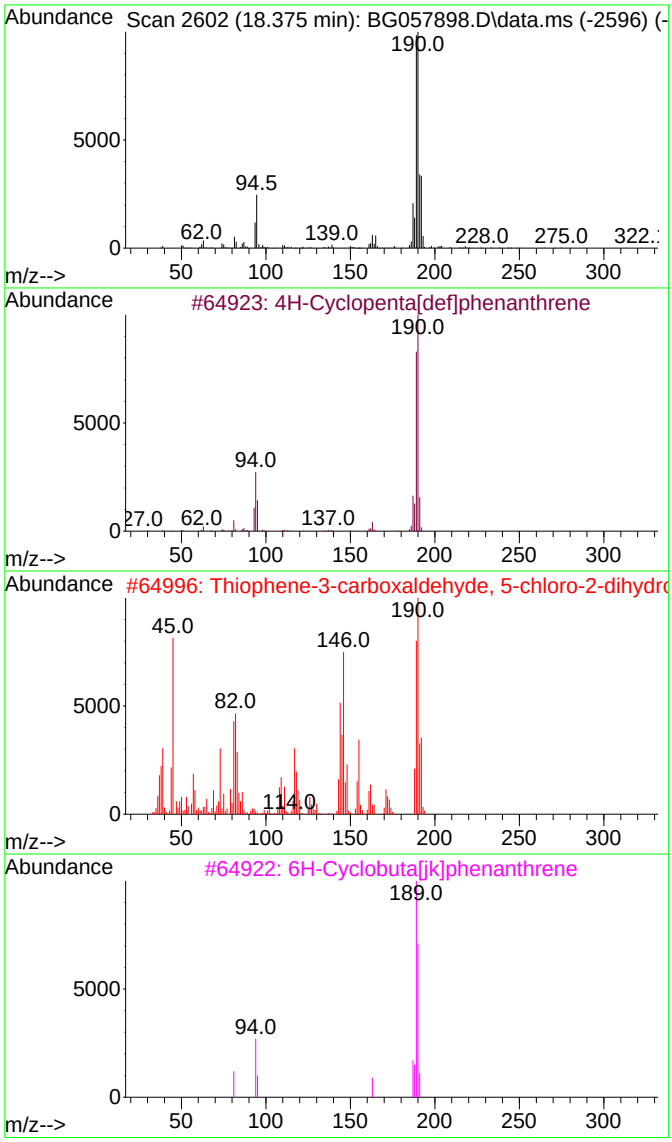
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

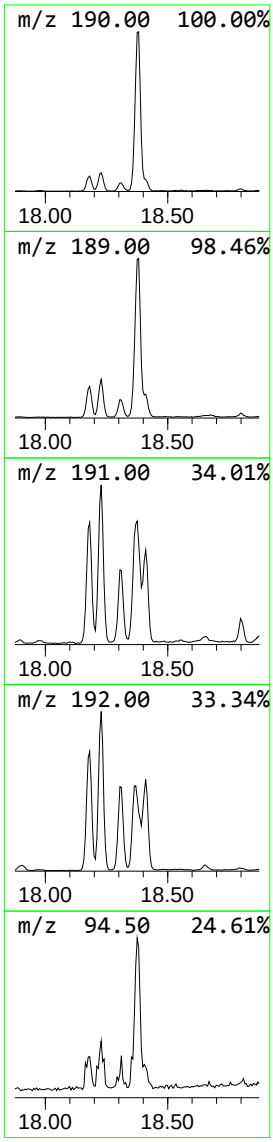
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.375	25.67 ng	1060420	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Methyl diselenide	190	C2H6Se2	007101-31-7	43





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Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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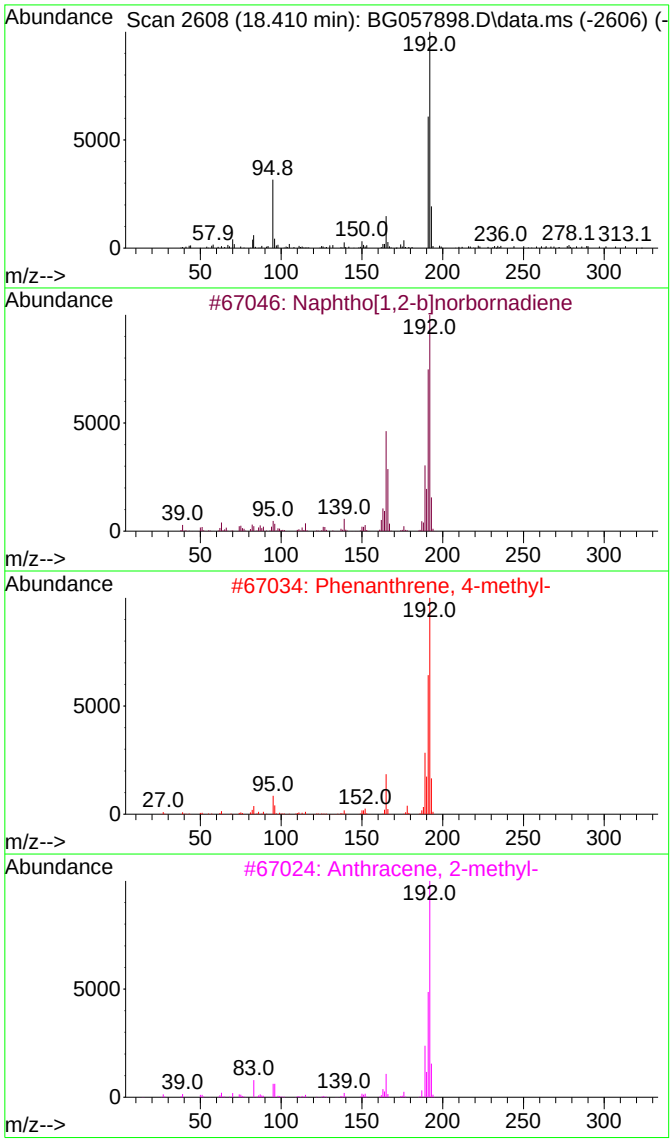
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

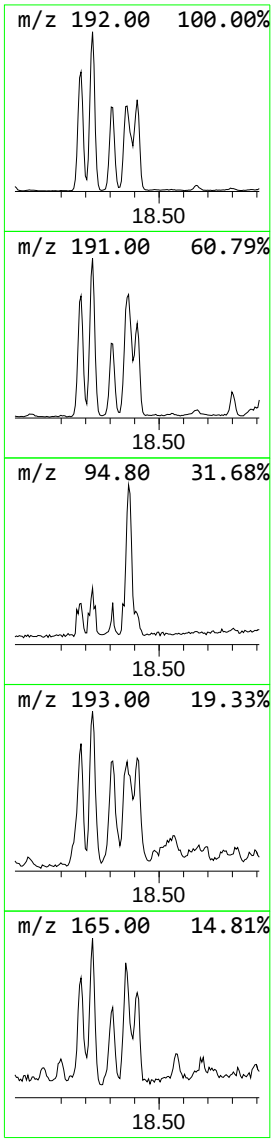
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphtho[1,2-b]norbornadiene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.410	5.49 ng	226927	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	87
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80





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Sample : 03403-01 5X
Misc :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

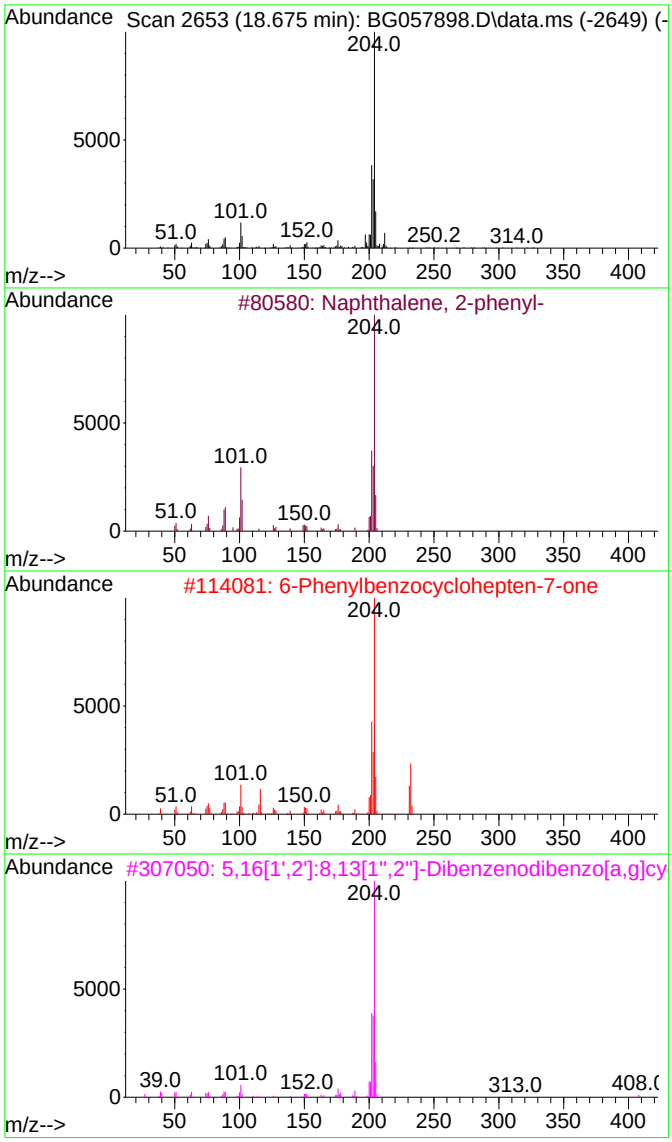
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

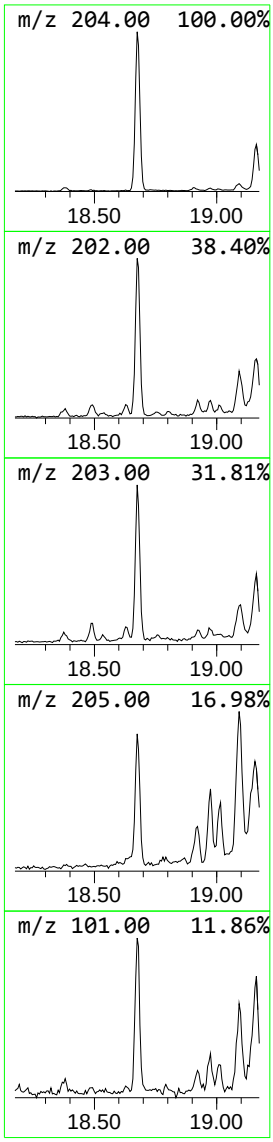
****

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.675	6.80 ng	280978	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





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ALS Vial : 17 Sample Multiplier: 1

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

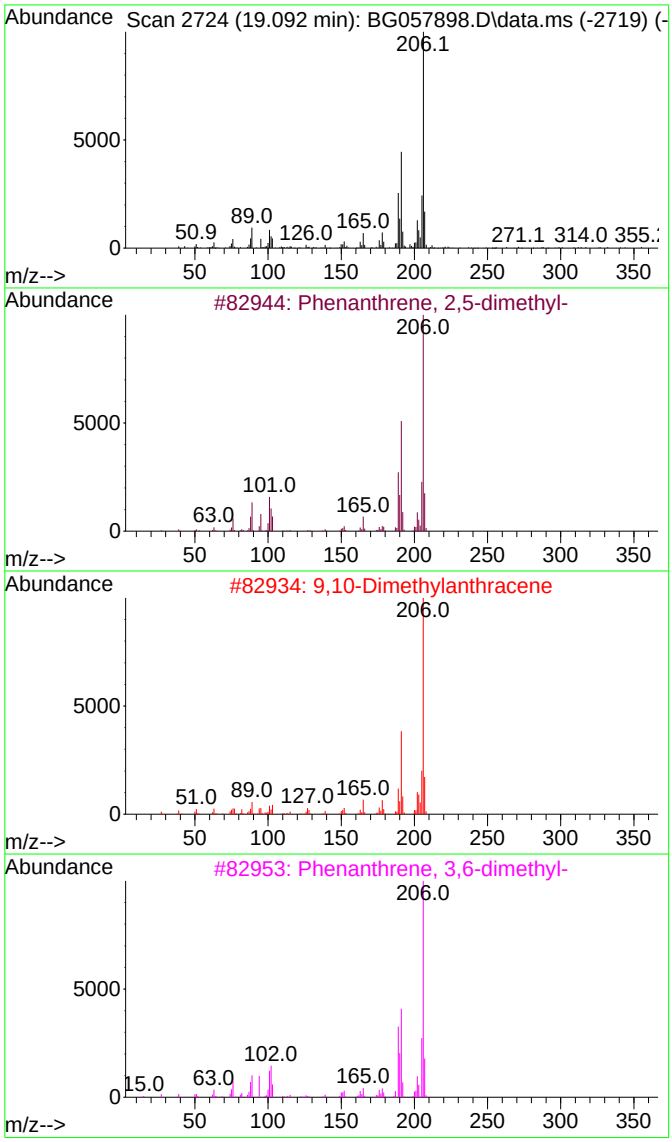
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

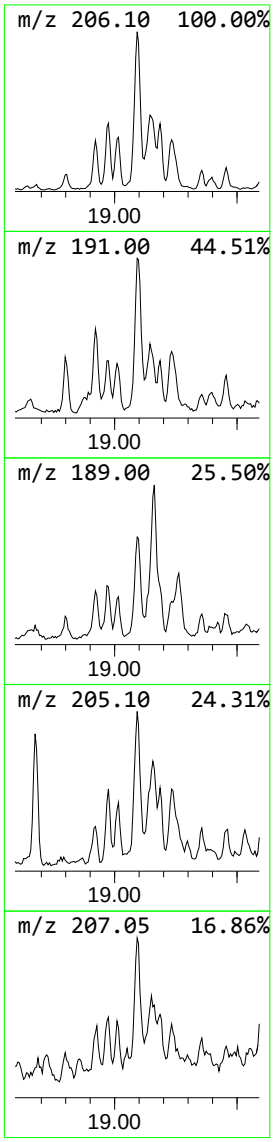
****

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.092	10.41 ng	430114	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93





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ALS Vial : 17 Sample Multiplier: 1

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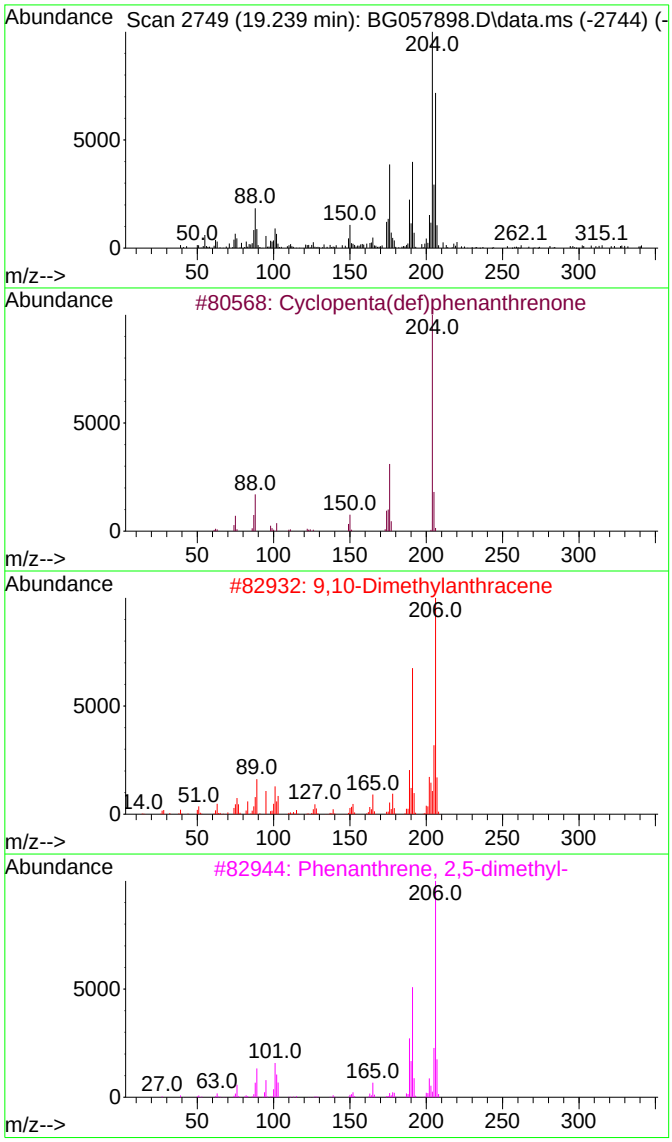
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

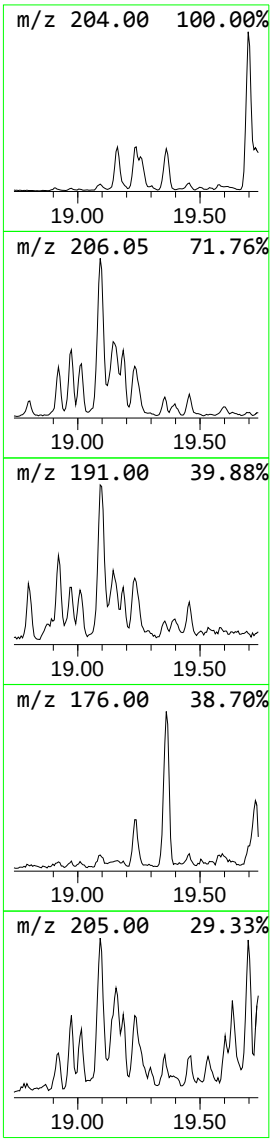
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.239	7.63 ng	315009	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	50
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	46





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Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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

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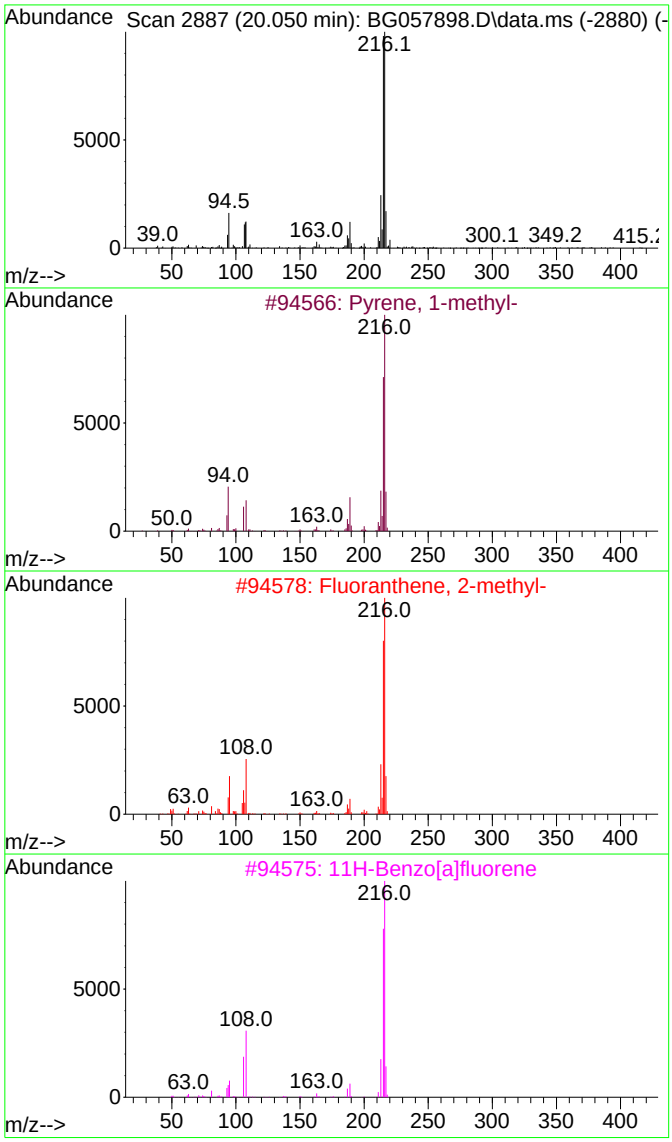
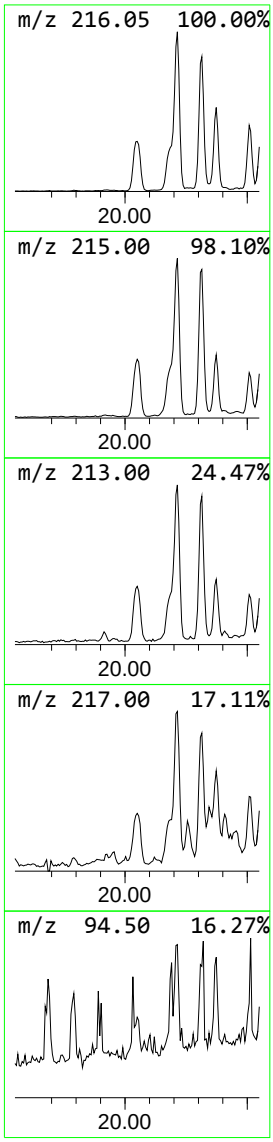
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.049	3.54 ng	527487	Chrysene-d12	21.565

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ORA-1652

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

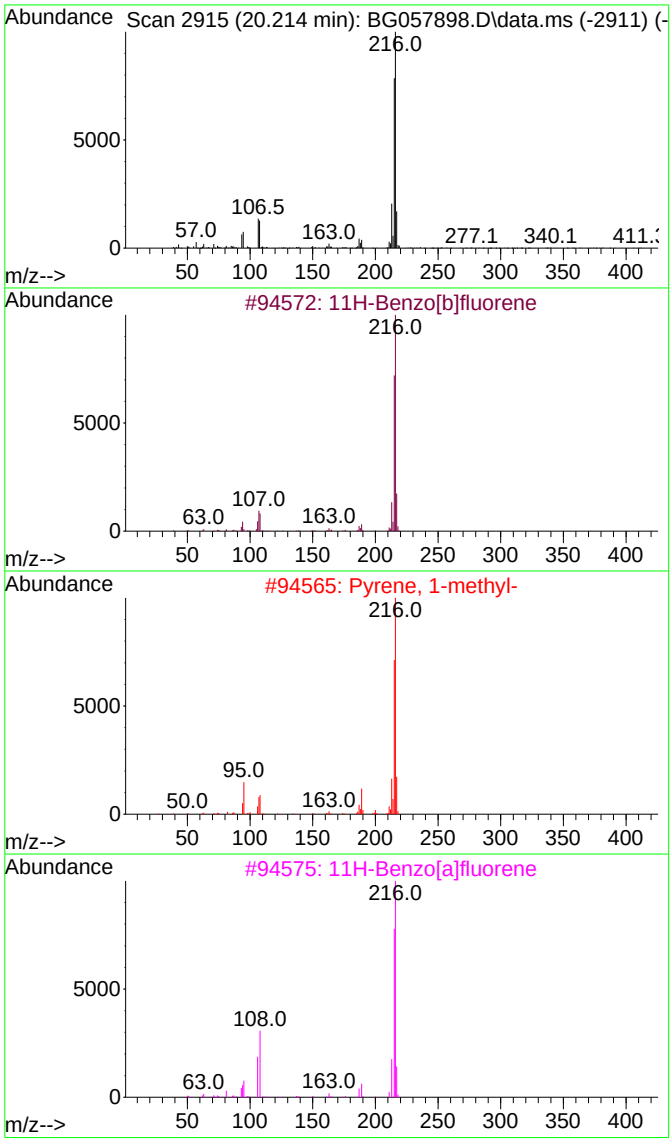
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

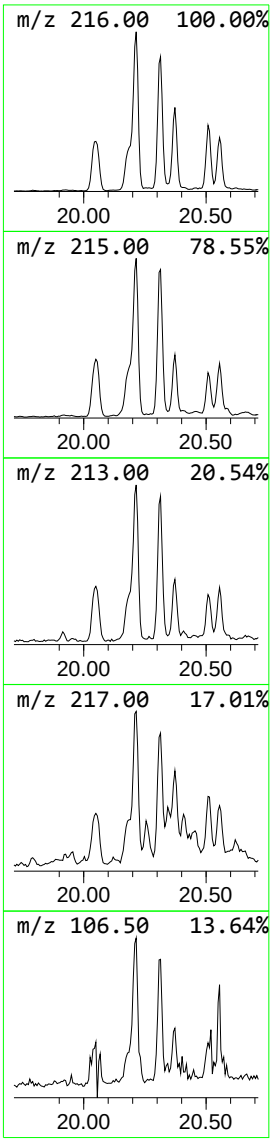
****

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.214	5.51 ng	819629	Chrysene-d12	21.565

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
Data File : BG057898.D
Acq On : 28 Jun 2023 18:42
Operator : CG/JU
Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ORA-1652

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.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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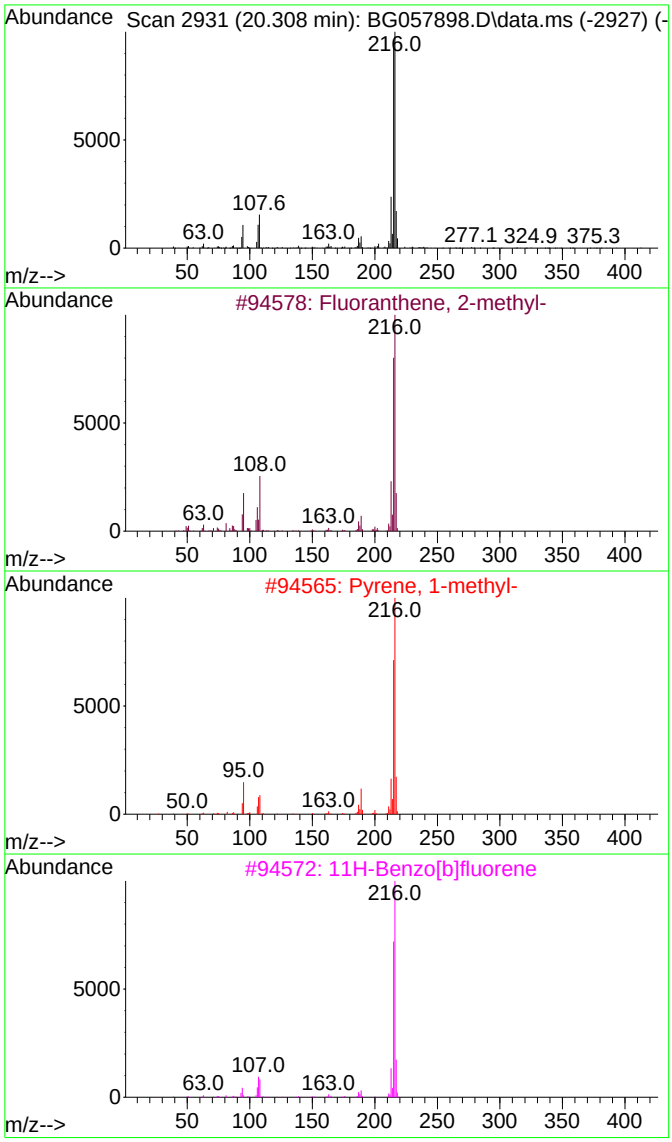
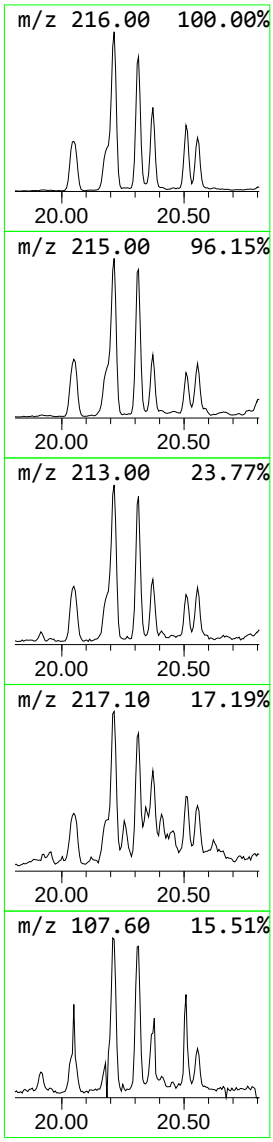
Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.308	4.37 ng	649995	Chrysene-d12	21.565

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
Data File : BG057898.D
Acq On : 28 Jun 2023 18:42
Operator : CG/JU
Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ORA-1652

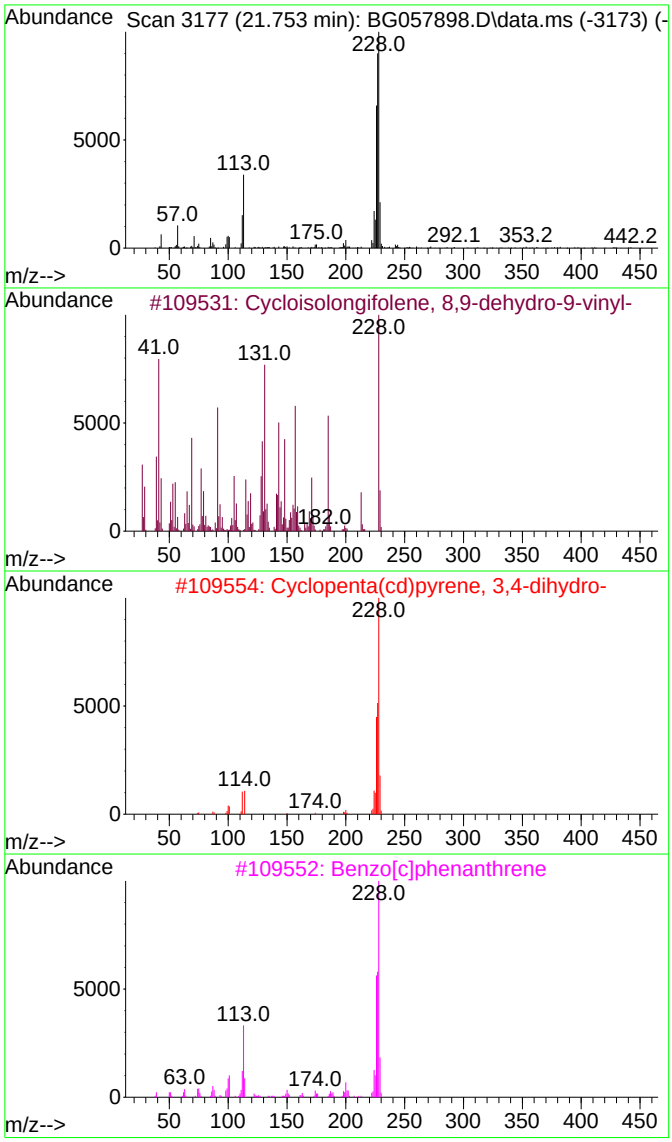
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

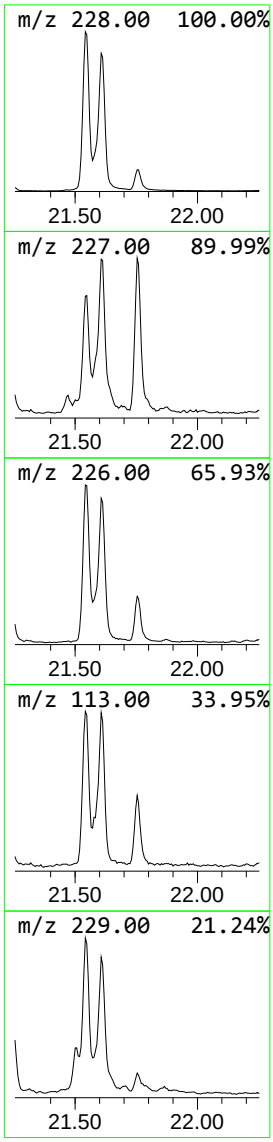
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Cycloisolongifolene, 8,9-de... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.753	2.95 ng	438911	Chrysene-d12	21.565

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloisolongifolene, 8,9-dehydro...	228	C17H24	1000151-80-0	74
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
4	Benz[a]anthracene	228	C18H12	000056-55-3	45
5	Triphenylene	228	C18H12	000217-59-4	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
Data File : BG057898.D
Acq On : 28 Jun 2023 18:42
Operator : CG/JU
Sample : 03403-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ORA-1652

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1,...	13.716	2.6	ng	100884	3	14.556	761058	20.0
Naphthalene, 2,...	13.880	2.6	ng	97966	3	14.556	761058	20.0
[1,1'-Biphenyl]...	15.896	4.6	ng	175608	3	14.556	761058	20.0
unknown16.283	16.283	4.1	ng	167500	4	17.306	826083	20.0
9H-Fluorene, 2-...	16.607	3.3	ng	134331	4	17.306	826083	20.0
2-[2-Phenylethe...	16.836	2.9	ng	121624	4	17.306	826083	20.0
Dibenzothiophene	17.118	6.5	ng	270429	4	17.306	826083	20.0
Acridine	17.488	2.7	ng	110617	4	17.306	826083	20.0
Phenanthrene, 2...	18.181	10.1	ng	416395	4	17.306	826083	20.0
Anthracene, 1-m...	18.228	12.7	ng	523282	4	17.306	826083	20.0
Phenanthrene, 3...	18.305	6.0	ng	248498	4	17.306	826083	20.0
4H-Cyclopenta[d...	18.375	25.7	ng	1060420	4	17.306	826083	20.0
Naphtho[1,2-b]n...	18.410	5.5	ng	226927	4	17.306	826083	20.0
Naphthalene, 2-...	18.675	6.8	ng	280978	4	17.306	826083	20.0
Phenanthrene, 2...	19.092	10.4	ng	430114	4	17.306	826083	20.0
Cyclopenta(def)...	19.239	7.6	ng	315009	4	17.306	826083	20.0
Pyrene, 1-methyl-	20.049	3.5	ng	527487	5	21.565	2976910	20.0
11H-Benzo[b]flu...	20.214	5.5	ng	819629	5	21.565	2976910	20.0
Fluoranthene, 2...	20.308	4.4	ng	649995	5	21.565	2976910	20.0
Cycloisolongifo...	21.753	3.0	ng	438911	5	21.565	2976910	20.0