LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057775.D
Acq On : 20 Jun 2023 14:08
Operator : CG/JU
Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

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-BG061923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057775.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.032	326	331	338	rBV2	34524	56188	2.36%	0.234%
2	5.496	403	410	421	rBV	313956	516535	21.73%	2.147%
3	7.083	673	680	690	rVB	325360	559818	23.55%	2.327%
4	7.923	816	823	830	rVB	169389	291587	12.27%	1.212%
5	9.080	1014	1020	1030	rVB	190649	333477	14.03%	1.386%
6	10.731	1291	1301	1307	rBV	232521	428625	18.03%	1.782%
7	12.382	1572	1582	1588	rVB	22894	45962	1.93%	0.191%
8	12.606	1613	1620	1626	rVB	38880	63718	2.68%	0.265%
9	13.182	1712	1718	1725	rVB	445206	688057	28.95%	2.860%
10	13.728	1804	1811	1820	rBV5	23846	60375	2.54%	0.251%
11	13.881	1831	1837	1842	rBV	46656	78944	3.32%	0.328%
12	14.116	1869	1877	1880	rBV	26832	45201	1.90%	0.188%
13	14.286	1896	1906	1916	rBV	60338	138483	5.83%	0.576%
14	14.562	1943	1953	1958	rBV	324111	545257	22.94%	2.266%
15	14.621	1958	1963	1972	rVB	163595	260350	10.95%	1.082%
16	14.768	1980	1988	1998	rVB6	11305	34920	1.47%	0.145%
17	14.868	1998	2005	2010	rBV4	15506	37437	1.58%	0.156%
18	14.956	2013	2020	2025	rVV2	86122	139539	5.87%	0.580%
19	15.032	2027	2033	2037	rVV2	21136	32765	1.38%	0.136%
20	15.173	2052	2057	2062	rBV4	19800	35146	1.48%	0.146%
21	15.344	2079	2086	2090	rBV5	20932	48957	2.06%	0.203%
22	15.602	2124	2130	2142	rVB	198900	308432	12.98%	1.282%
23	15.702	2142	2147	2149	rBV4	14984	24347	1.02%	0.101%
24	15.731	2149	2152	2155	rVV	28457	37771	1.59%	0.157%
25	15.767	2155	2158	2162	rVB3	28415	37894	1.59%	0.158%
26	15.820	2163	2167	2170	rVV3	20446	25441	1.07%	0.106%
27	15.902	2176	2181	2189	rVB2	56704	114081	4.80%	0.474%
28	16.043	2197	2205	2213	rBV2	376781	596847	25.11%	2.481%
29	16.284	2240	2246	2251	rVB5	33501	73951	3.11%	0.307%
30	16.607	2291	2301	2306	rBV3	54192	130877	5.51%	0.544%
31	16.654	2306	2309	2316	rVB3	25907	43666	1.84%	0.181%
32	16.754	2322	2326	2331	rVB	37848	56722	2.39%	0.236%
33	16.836	2332	2340	2343	rBV4	27304	55003	2.31%	0.229%
34	16.877	2343	2347	2350	rVB4	20790	29159	1.23%	0.121%
35	16.959	2357	2361	2366	rVB5	21861	37686	1.59%	0.157%
36	17.030	2369	2373	2381	rVV4	27575	70749	2.98%	0.294%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
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Acq On : 20 Jun 2023 14:08
Operator : CG/JU
Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

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-BG061923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.118	2384	2388	2397	rVB	79880	140457	5.91%	0.584%
38	17.300	2414	2419	2423	rBV	381104	605560	25.48%	2.517%
39	17.347	2423	2427	2432	rVB	812917	1199836	50.48%	4.987%
40	17.435	2437	2442	2447	rVV	295388	438171	18.43%	1.821%
41	17.488	2447	2451	2457	rVB4	38361	76105	3.20%	0.316%
42	17.706	2485	2488	2493	rBV2	18879	35737	1.50%	0.149%
43	17.823	2505	2508	2514	rVB	29333	35426	1.49%	0.147%
44	17.882	2515	2518	2524	rVB3	31834	43030	1.81%	0.179%
45	18.029	2539	2543	2550	rVB	21594	40906	1.72%	0.170%
46	18.187	2564	2570	2573	rBV2	173022	320607	13.49%	1.333%
47	18.229	2573	2577	2583	rVB	174300	264720	11.14%	1.100%
48	18.311	2586	2591	2595	rVV	81102	120020	5.05%	0.499%
49	18.375	2596	2602	2606	rVV3	357168	623997	26.25%	2.594%
50	18.411	2606	2608	2613	rVB	104362	120005	5.05%	0.499%
51	18.675	2649	2653	2657	rBV	101878	138942	5.85%	0.577%
52	18.716	2657	2660	2666	rVB2	32422	52071	2.19%	0.216%
53	18.922	2693	2695	2699	rVB2	32992	33907	1.43%	0.141%
54	18.975	2701	2704	2707	rVB	26011	28596	1.20%	0.119%
55	19.092	2719	2724	2729	rBV	102966	172588	7.26%	0.717%
56	19.233	2744	2748	2750	rBV2	44825	69955	2.94%	0.291%
57	19.363	2764	2770	2776	rBV	1626467	2376890	100.00%	9.879%
58	19.421	2777	2780	2783	rVV2	37770	46664	1.96%	0.194%
59	19.462	2783	2787	2791	rVV3	61545	96723	4.07%	0.402%
60	19.504	2791	2794	2798	rVB	56794	77619	3.27%	0.323%
61	19.692	2821	2826	2827	rBV	279131	374985	15.78%	1.559%
62	19.721	2827	2831	2839	rVV	1479763	2242100	94.33%	9.319%
63	19.791	2839	2843	2849	rVB2	73996	120287	5.06%	0.500%
64	19.921	2858	2865	2869	rBV2	578035	799873	33.65%	3.325%
65	20.032	2880	2884	2885	rBV2	110043	121450	5.11%	0.505%
66	20.209	2911	2914	2919	rVB	328052	467208	19.66%	1.942%
67	20.308	2927	2931	2935	rBV	302093	387373	16.30%	1.610%
68	20.367	2936	2941	2945	rVB2	152718	240751	10.13%	1.001%
69	20.508	2962	2965	2969	rBV	105886	121430	5.11%	0.505%
70	20.555	2970	2973	2976	rVB	88090	102351	4.31%	0.425%
71	21.149	3071	3074	3077	rVB	80330	92747	3.90%	0.385%
72	21.190	3078	3081	3084	rBV	98742	130150	5.48%	0.541%
73	21.542	3136	3141	3148	rBV2	810540	1907896	80.27%	7.930%
74	21.607	3148	3152	3160	rVB	635464	1074081	45.19%	4.464%
75	21.754	3173	3177	3182	rBV2	163354	255152	10.73%	1.061%
76	23.728	3505	3513	3519	rBV	409998	1351790	56.87%	5.619%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
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Acq On : 20 Jun 2023 14:08
Operator : CG/JU
Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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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-BG061923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	24.574	3651	3657	3672	rVB	348739	1027141	43.21%	4.269%

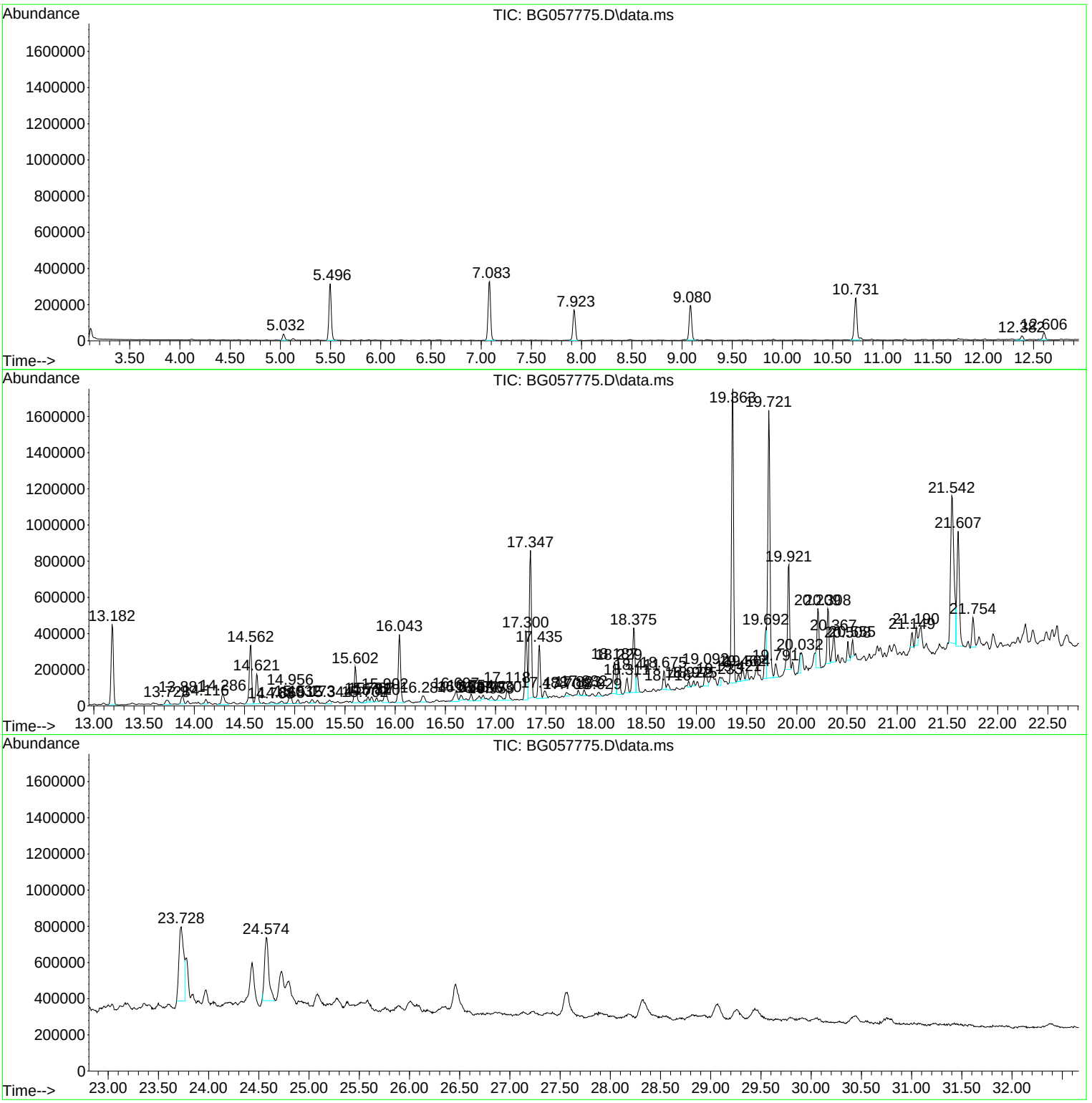
Sum of corrected areas: 24059264

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057775.D
Acq On : 20 Jun 2023 14:08
Operator : CG/JU
Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.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\BG062023\
Data File : BG057775.D
Acq On : 20 Jun 2023 14:08
Operator : CG/JU
Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

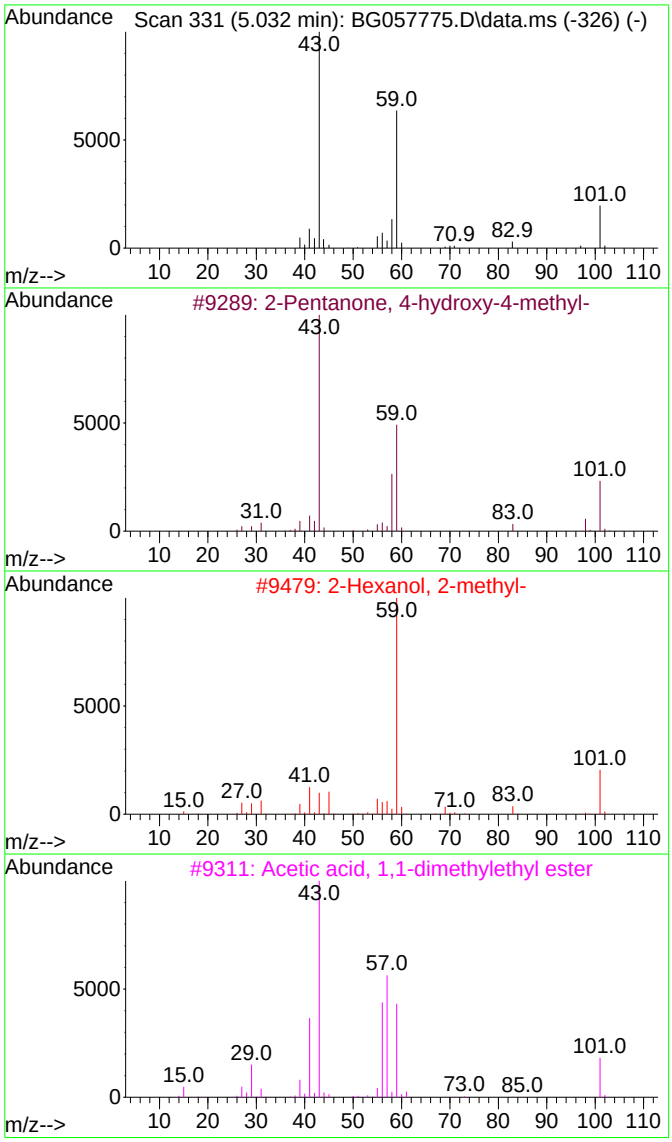
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

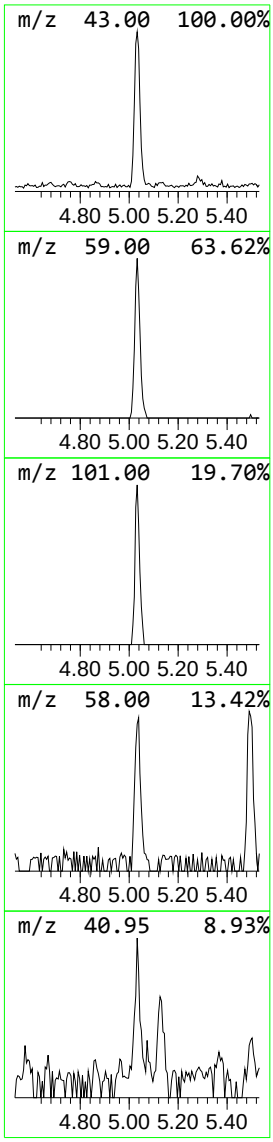
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.032	3.85 ng	56188	1,4-Dichlorobenzene-d4	7.923

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	53
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
4	2-Decanol, methyl ether	172	C11H24O	1000333-83-9	37
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057775.D
Acq On : 20 Jun 2023 14:08
Operator : CG/JU
Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

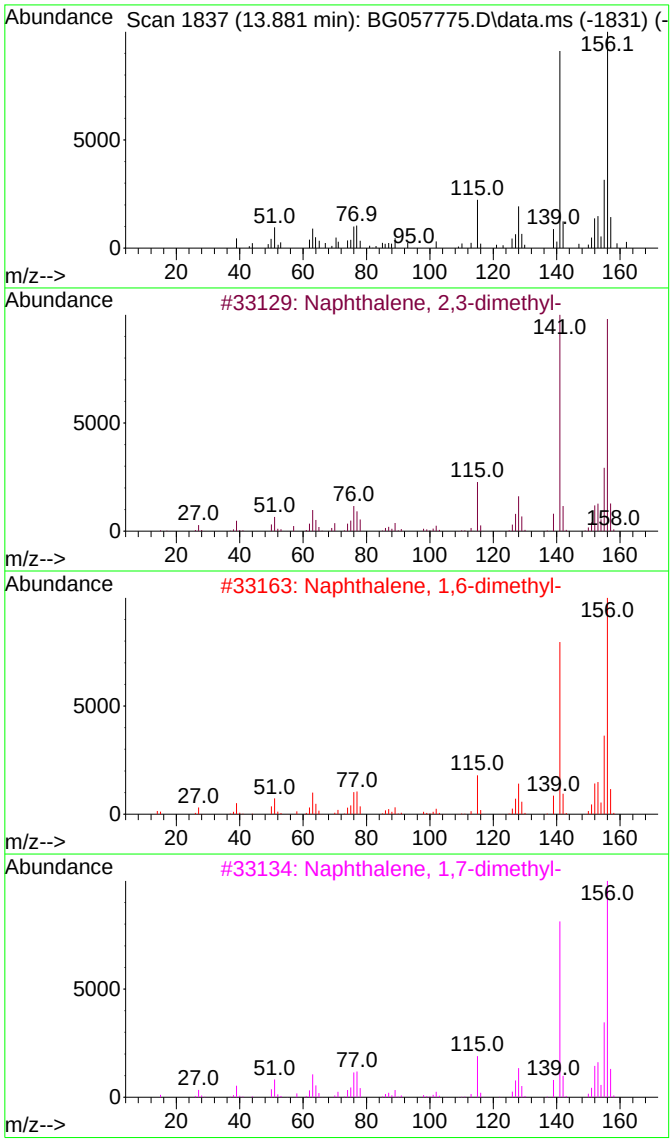
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

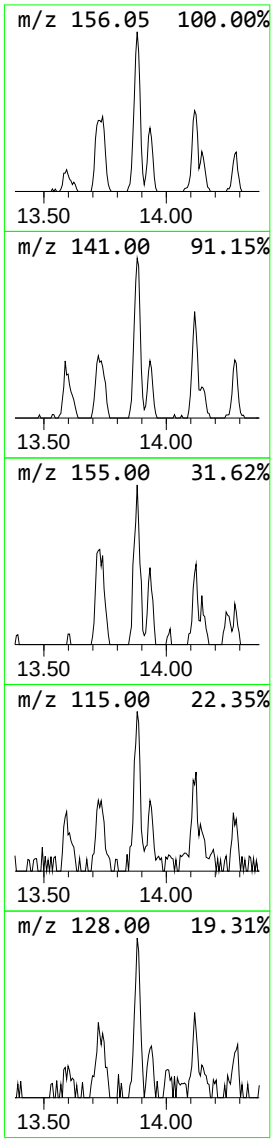
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.881	2.90 ng	78944	Acenaphthene-d10	14.562

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	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057775.D
Acq On : 20 Jun 2023 14:08
Operator : CG/JU
Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

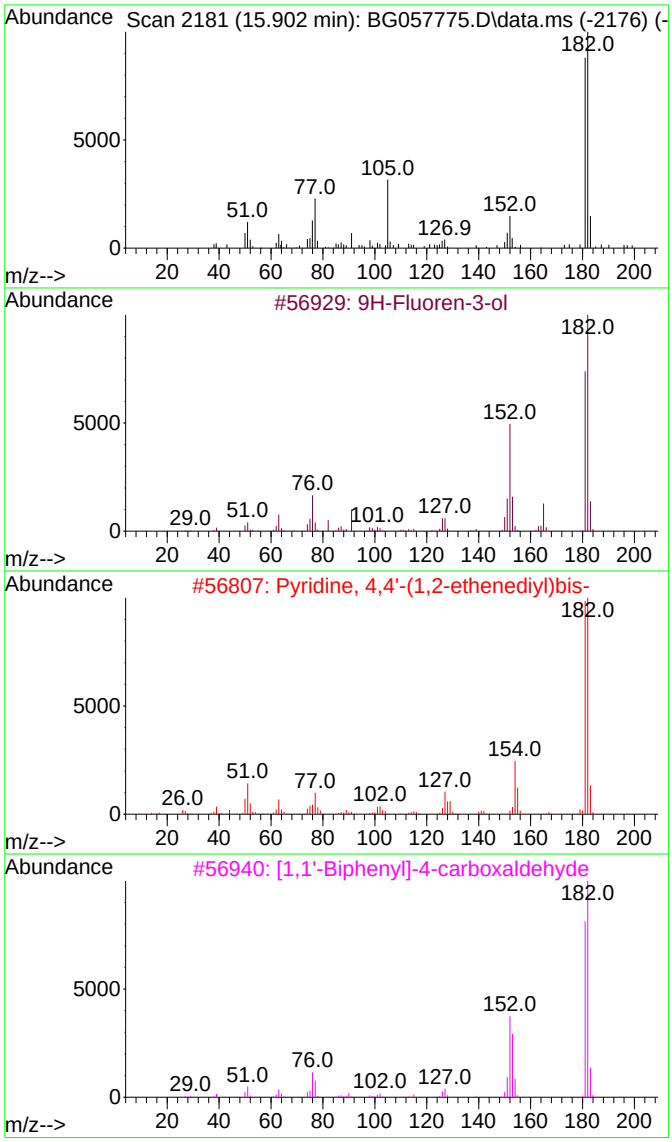
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

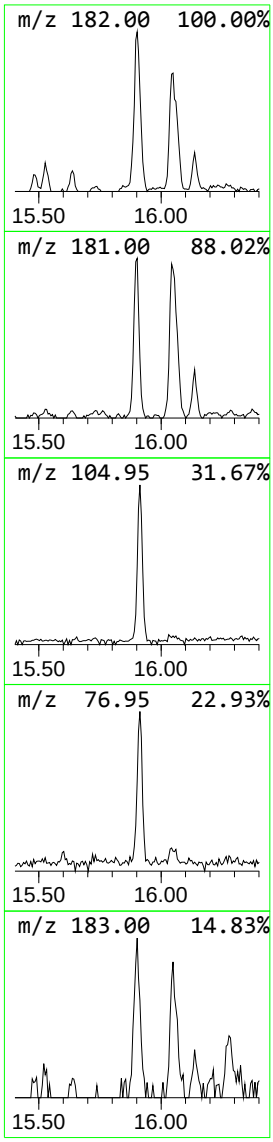
****

Peak Number 3 9H-Fluoren-3-ol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.902	4.18 ng	114081	Acenaphthene-d10	14.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	74
2	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	68
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057775.D
Acq On : 20 Jun 2023 14:08
Operator : CG/JU
Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

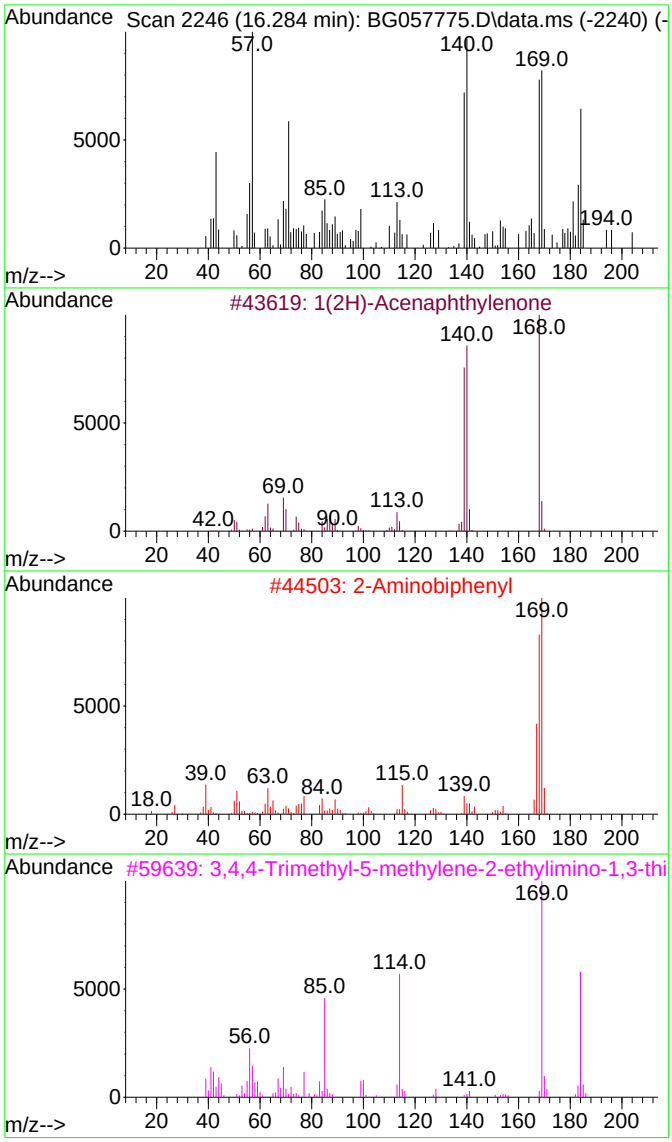
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

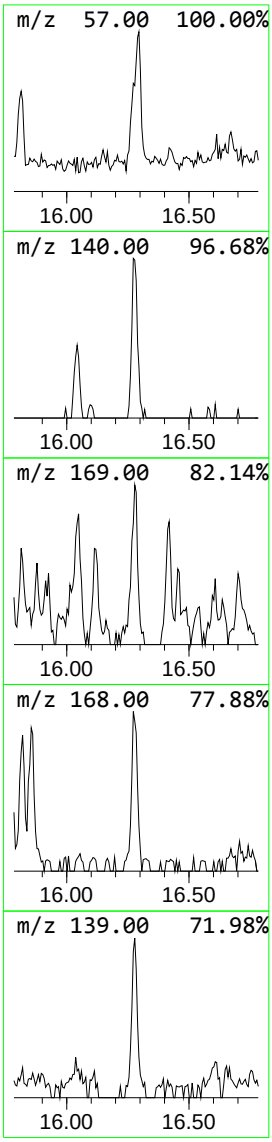
****

Peak Number 4 unknown16.284 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.284	2.44 ng	73951	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	49
2	2-Aminobiphenyl	169	C12H11N	000090-41-5	30
3	3,4,4-Trimethyl-5-methylene-2-et...	184	C9H16N2S	037120-36-8	30
4	7(4H)-Benzothiazolone, 2-amino-5...	168	C7H8N2OS	017583-10-7	30
5	2,4,6(1H,3H,5H)-Pyrimidinetrione...	184	C8H12N2O3	007391-61-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057775.D
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Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

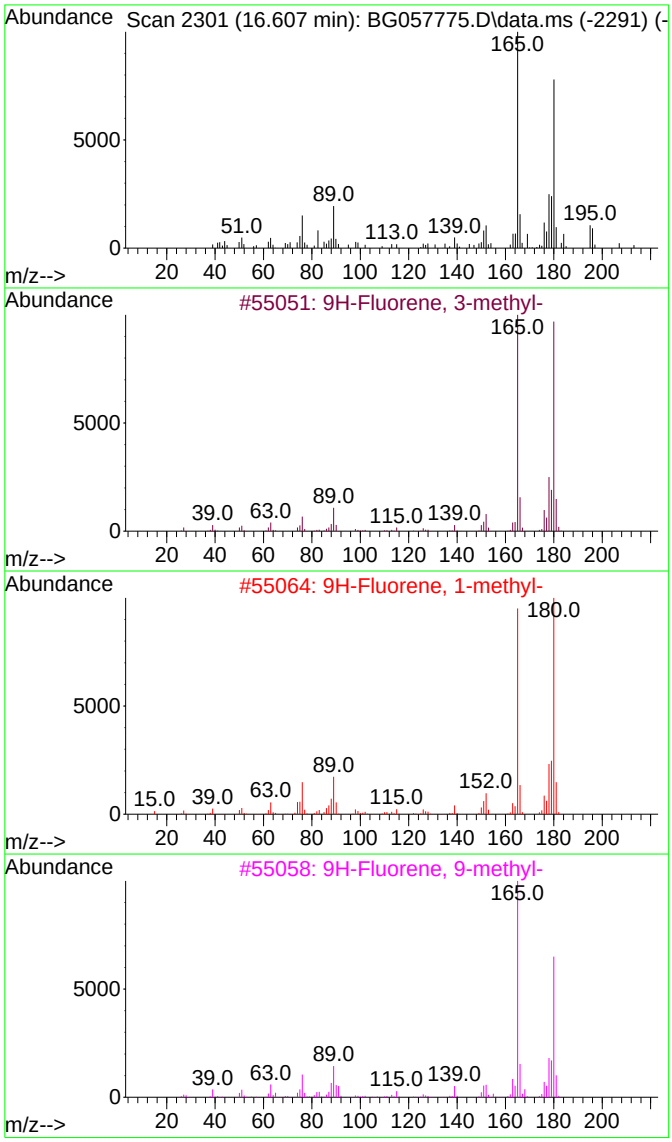
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

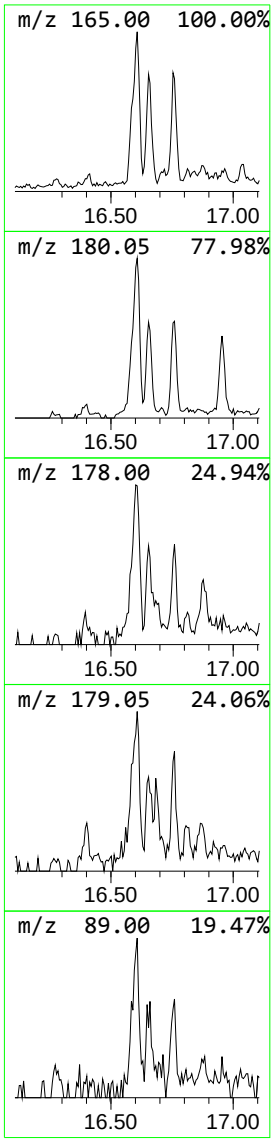
****

Peak Number 5 9H-Fluorene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.607	4.32 ng	130877	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057775.D
Acq On : 20 Jun 2023 14:08
Operator : CG/JU
Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

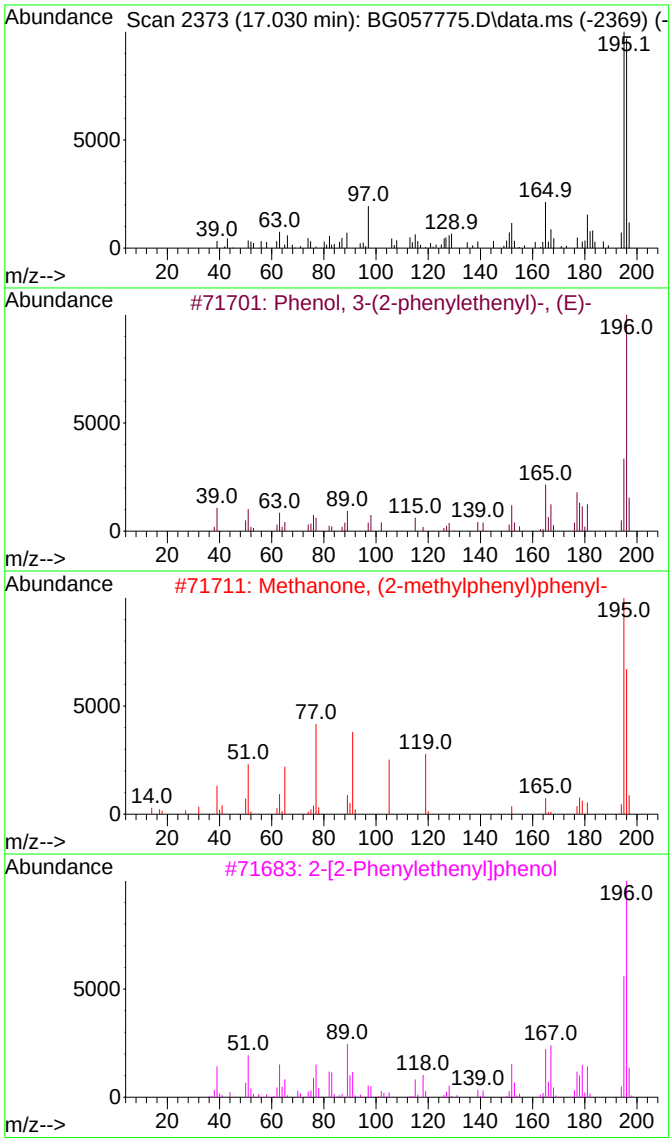
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

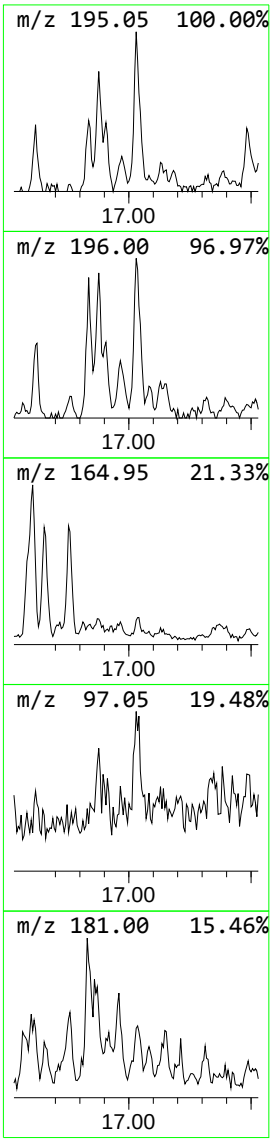
****

Peak Number 6 Phenol, 3-(2-phenylethenyl)... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.030	2.34 ng	70749	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	60
2	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	59
3	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	58
4	3-{Pyrazolo[1,5-a]pyrimidin-7-yl...	196	C11H8N4	078561-97-4	53
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50





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Operator : CG/JU
Sample : 03288-01 2X
Misc :
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Instrument :
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ClientSampleId :
PAT-2-061523

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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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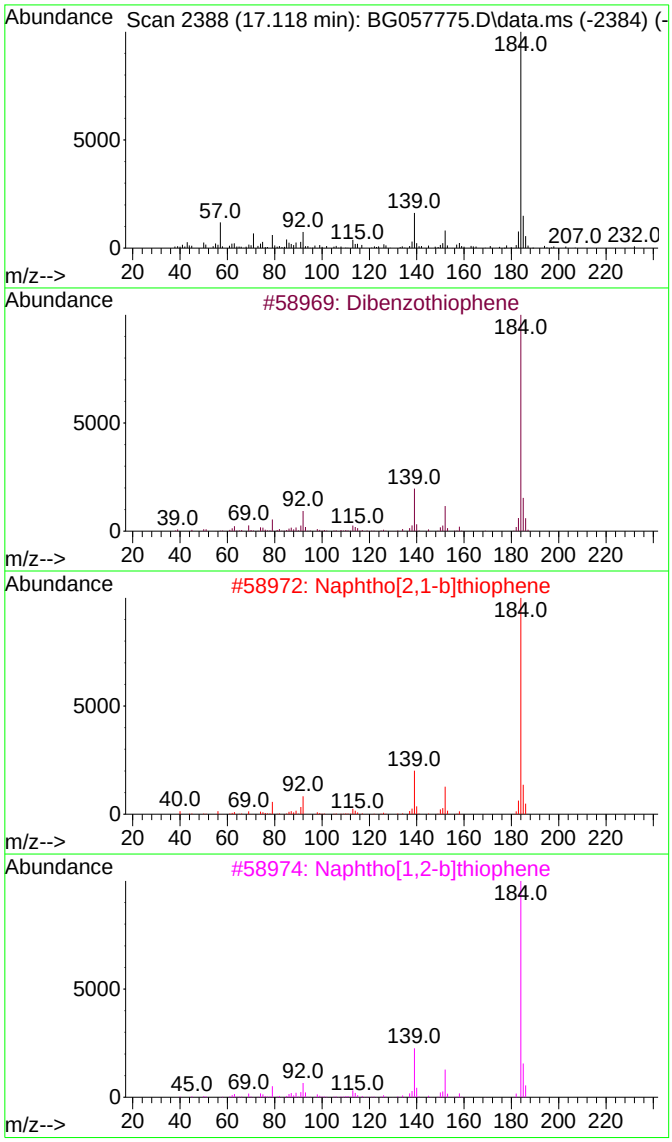
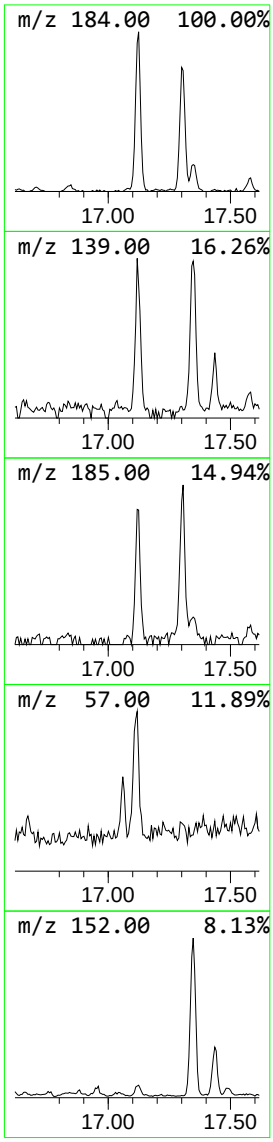
Peak Number 7 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.118	4.64 ng	140457	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

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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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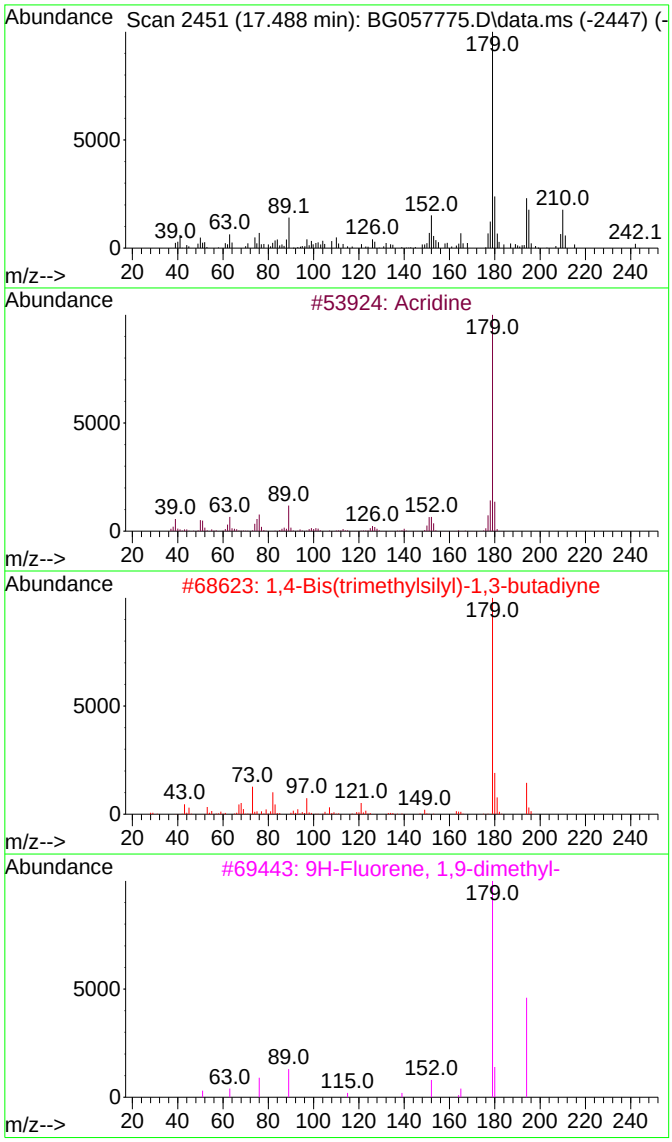
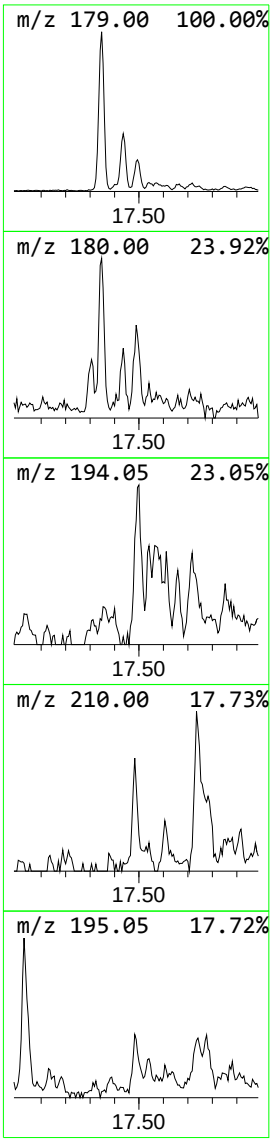
Peak Number 8 Acridine Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.488	2.51 ng	76105	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	60
2	1,4-Bis(trimethylsilyl)-1,3-buta...	194	C10H18Si2	004526-07-2	53
3	9H-Fluorene, 1,9-dimethyl-	194	C15H14	017057-98-6	53
4	Phenanthridine	179	C13H9N	000229-87-8	49
5	2-(4-((Trimethylsilyl)oxy)phenyl...	210	C11H18O2Si	1010478-07-8	49





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :
PAT-2-061523

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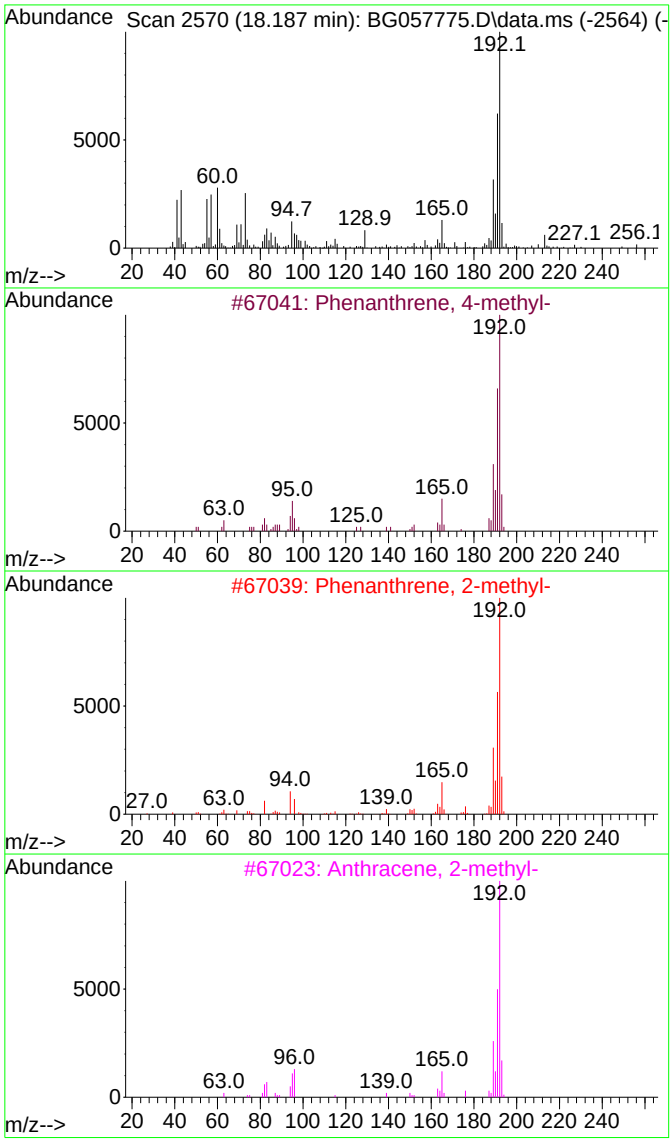
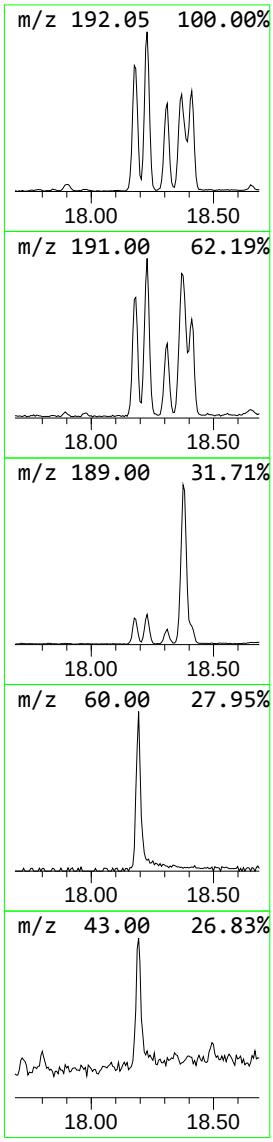
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.187	10.59 ng	320607	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	68
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	64
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-2-061523

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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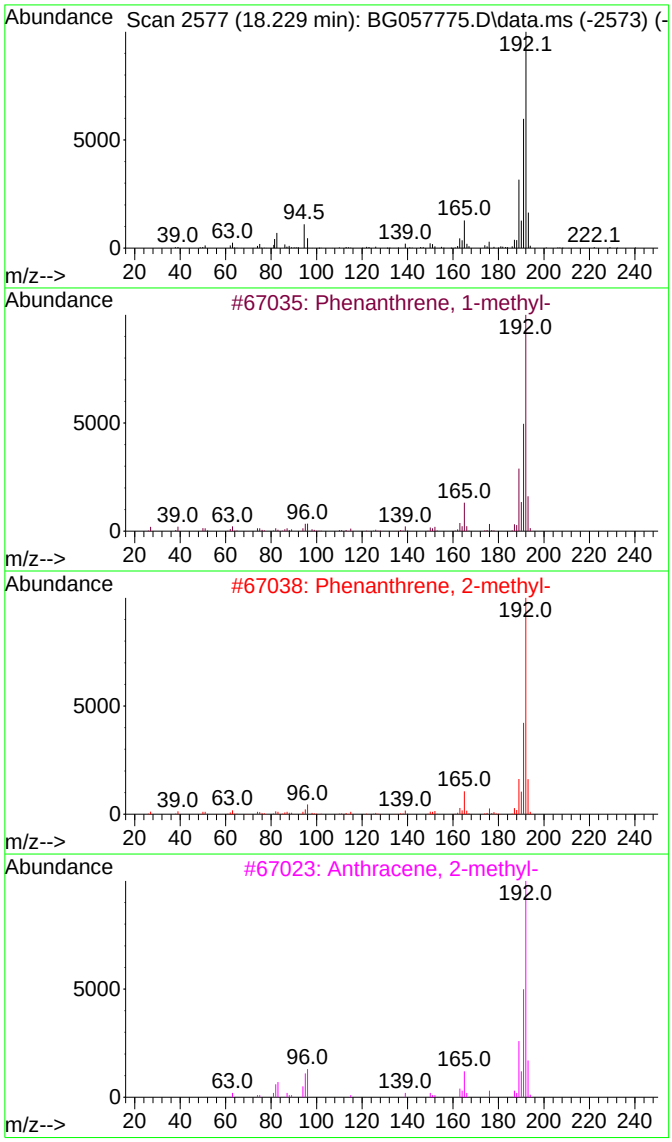
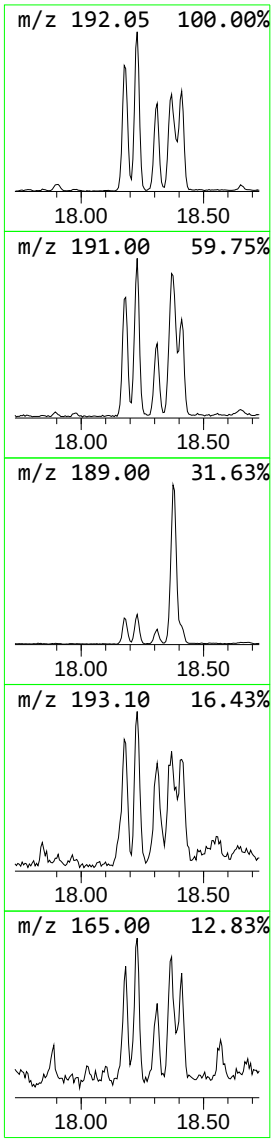
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.229	8.74 ng	264720	Phenanthrene-d10	17.306

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Misc :
ALS Vial : 10 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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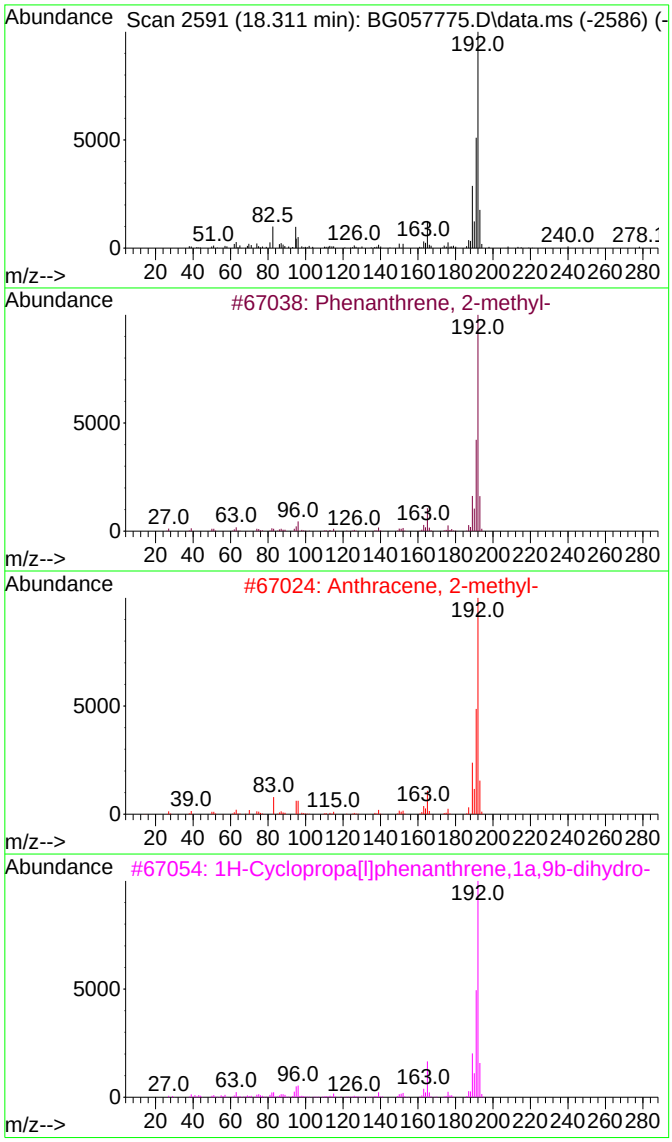
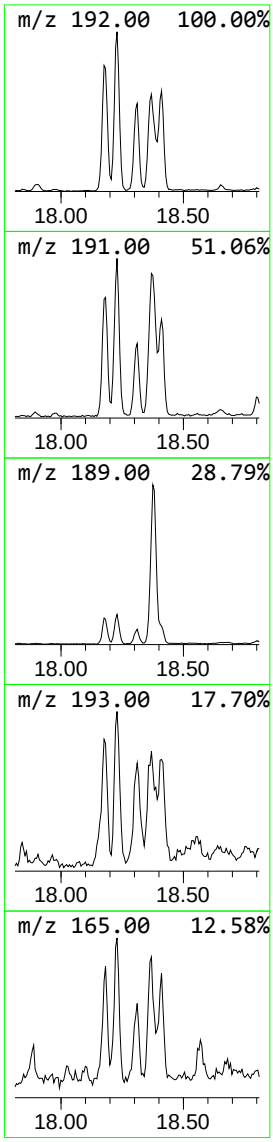
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.311	3.96 ng	120020	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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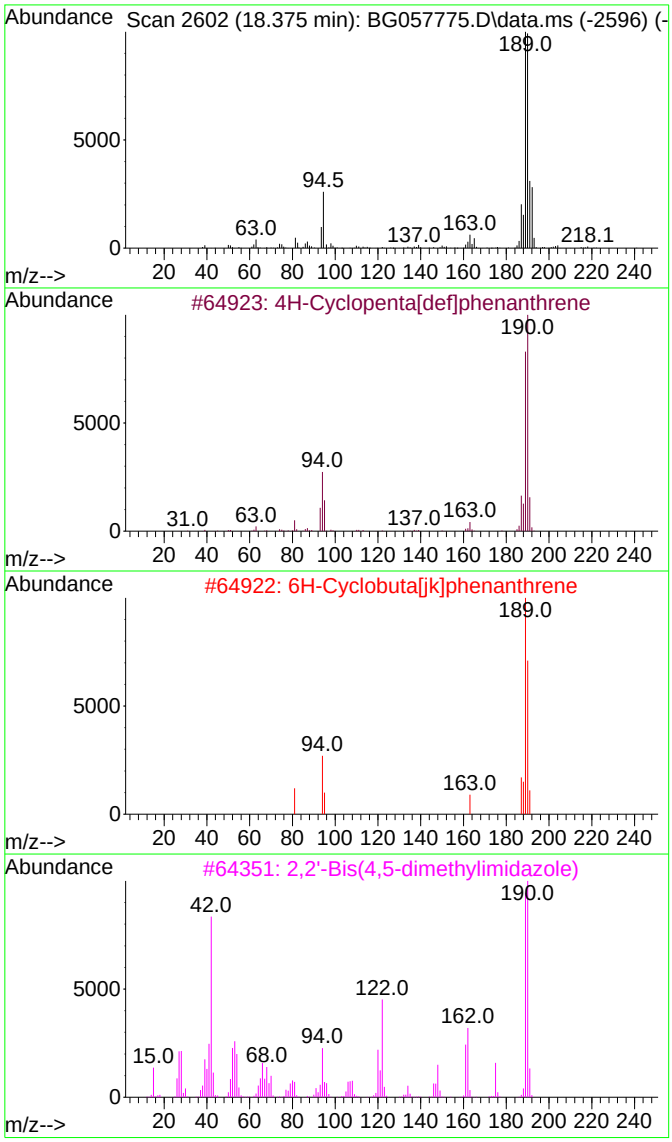
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

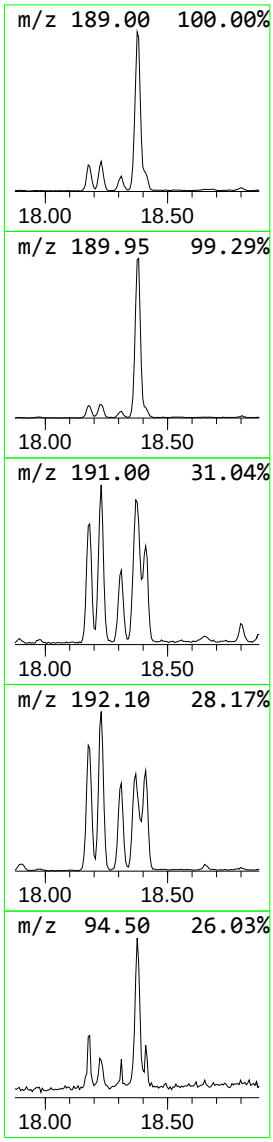
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.375	20.61 ng	623997	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22





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Sample : 03288-01 2X
Misc :
ALS Vial : 10 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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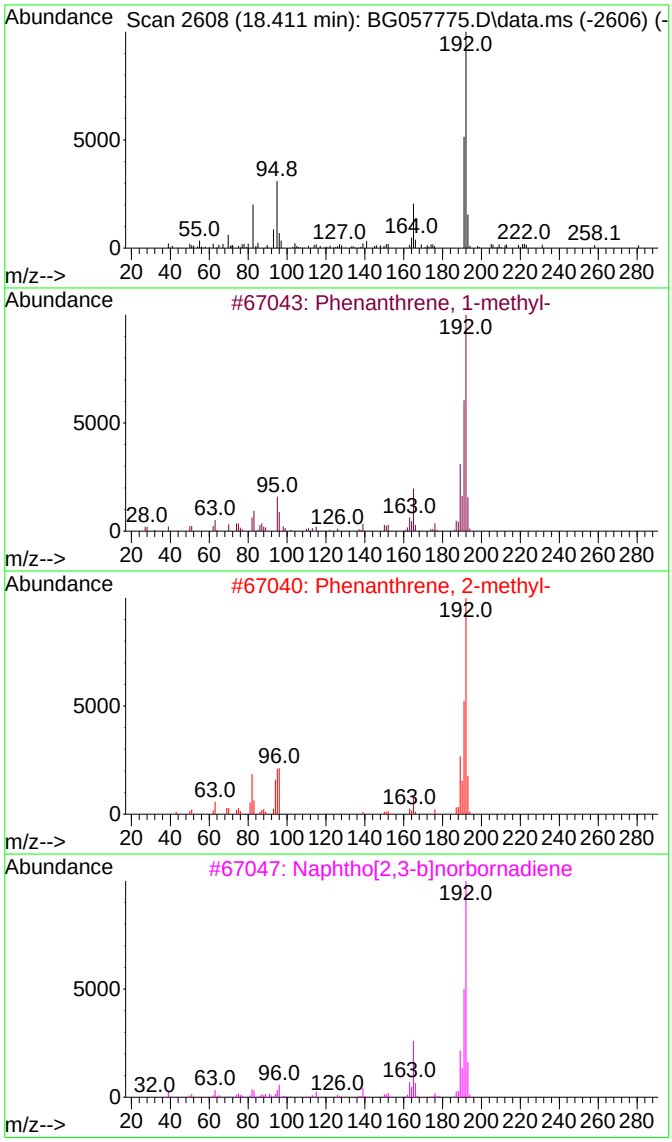
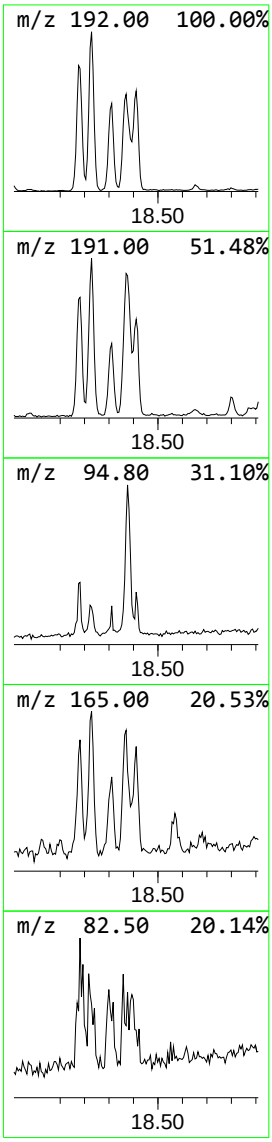
Peak Number 13 Naphtho[2,3-b]norbornadiene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.411	3.96 ng	120005	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	72
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	68
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	68
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	68





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Misc :
ALS Vial : 10 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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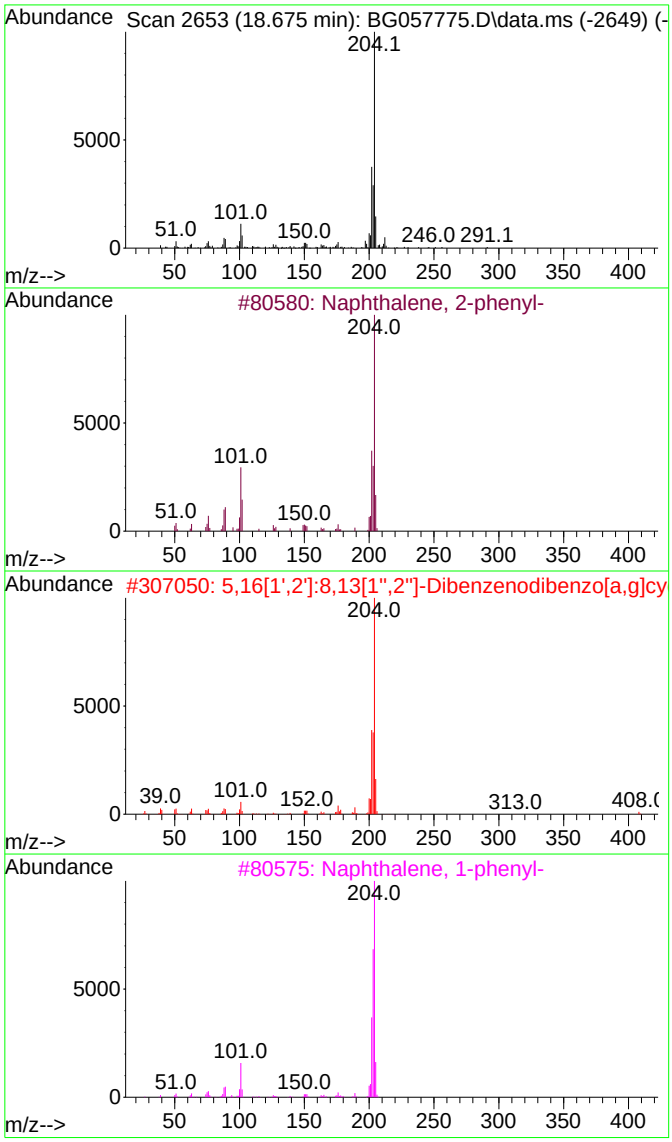
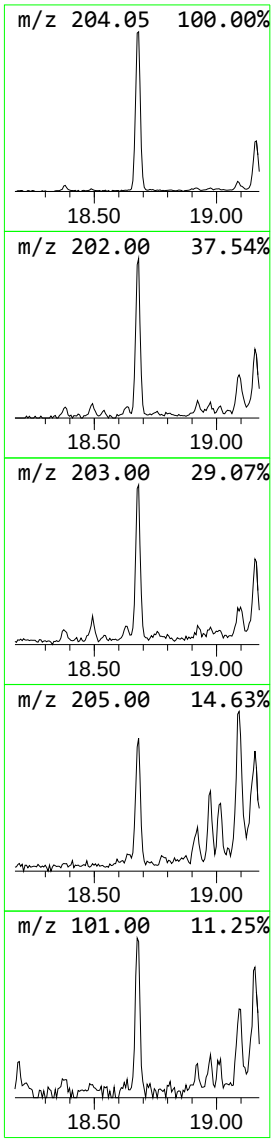
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.675	4.59 ng	138942	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	59
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53





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Misc :
ALS Vial : 10 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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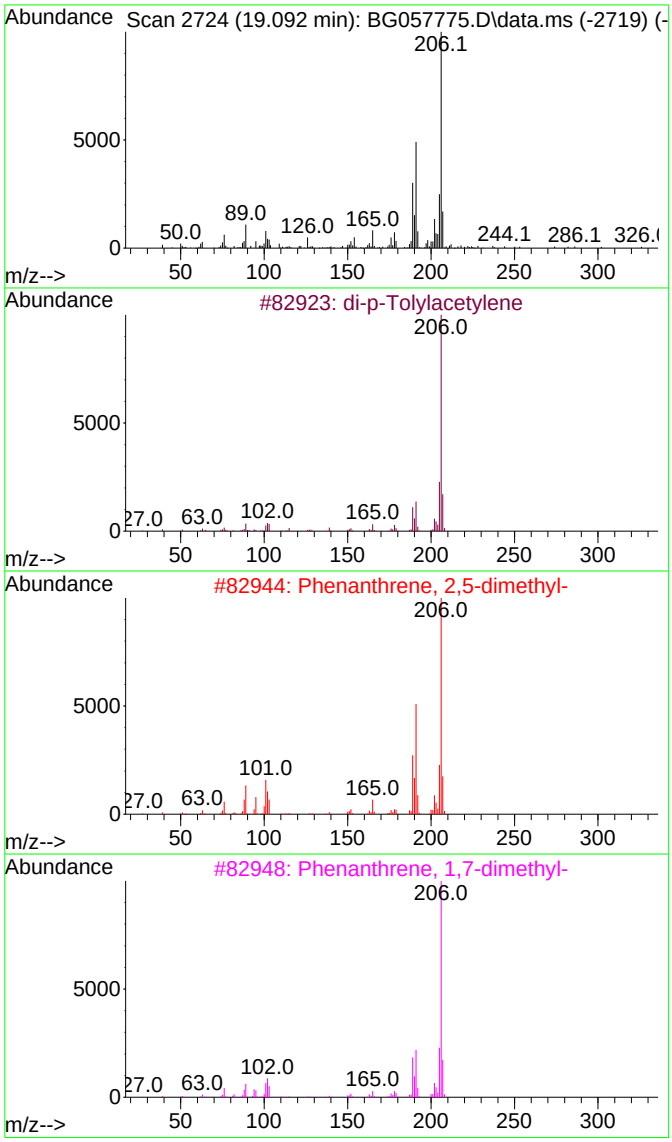
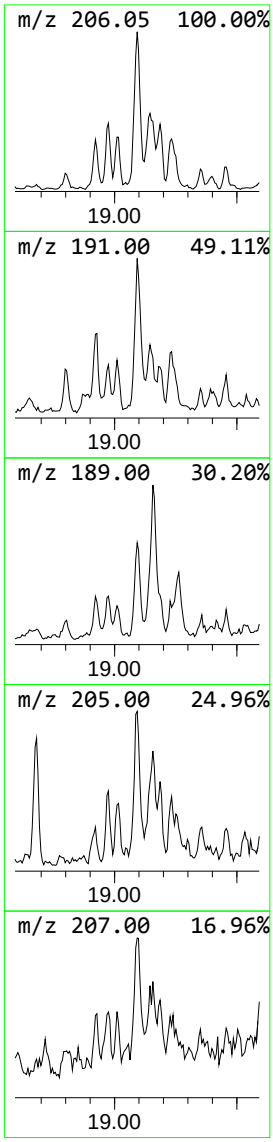
Peak Number 15 di-p-Tolylacetylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.092	5.70 ng	172588	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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ALS Vial : 10 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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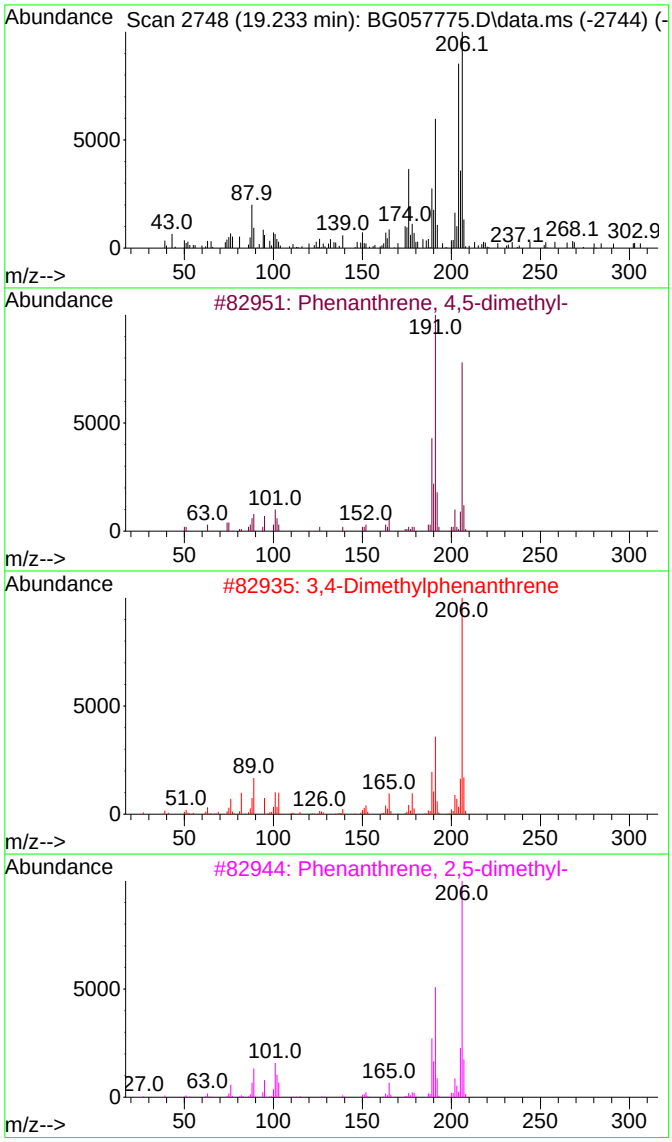
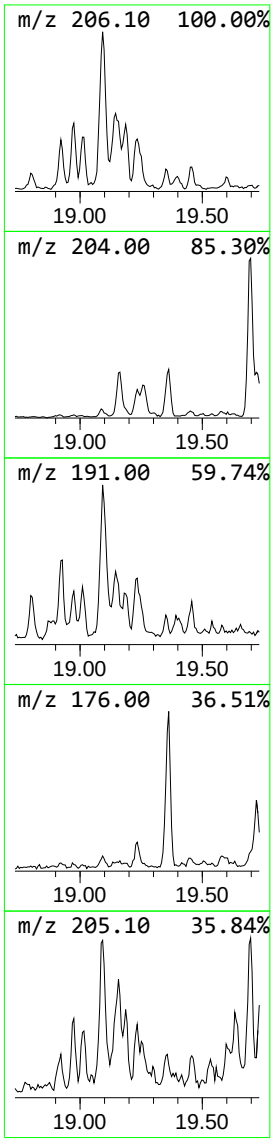
Peak Number 16 Phenanthrene, 4,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.233	2.31 ng	69955	Phenanthrene-d10	17.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	55
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	53
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	53
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	49
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49





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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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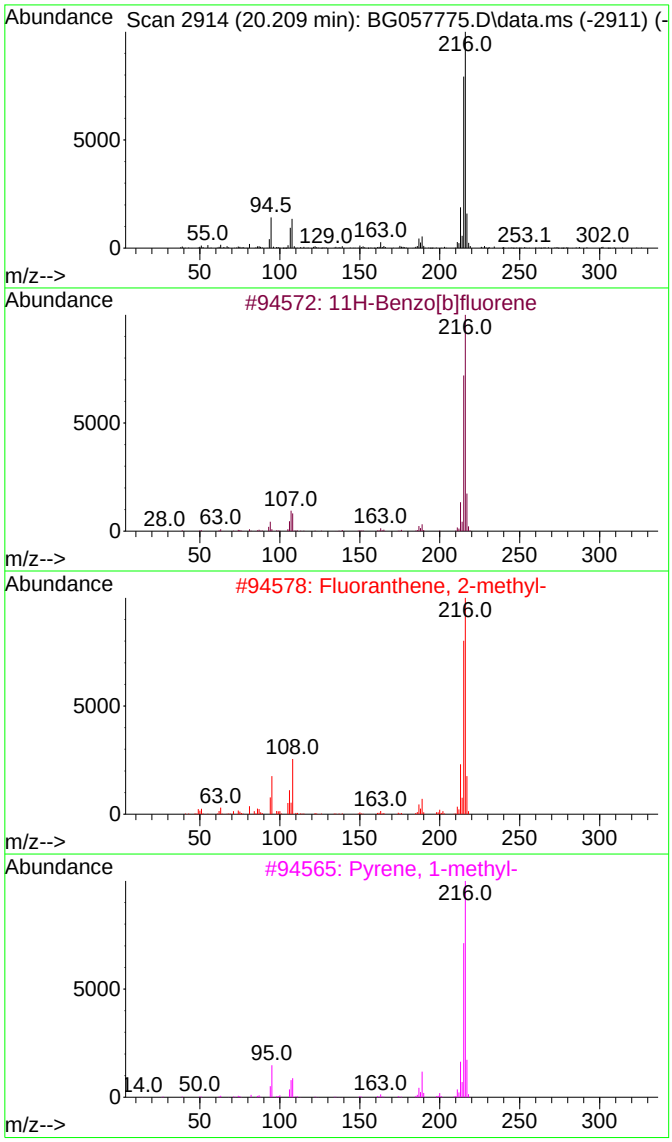
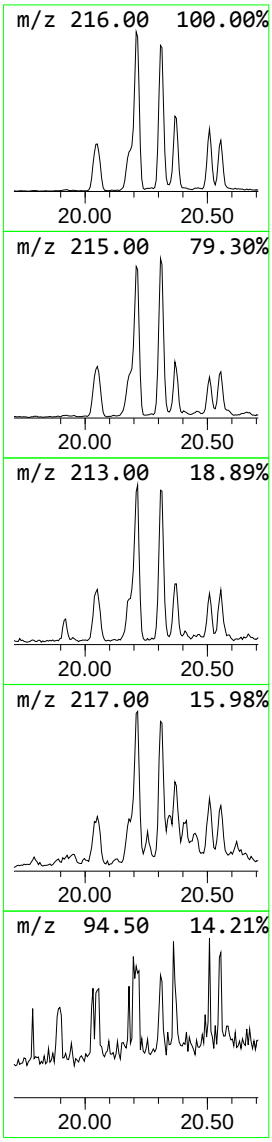
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.209	4.90 ng	467208	Chrysene-d12	21.560

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





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Data File : BG057775.D
Acq On : 20 Jun 2023 14:08
Operator : CG/JU
Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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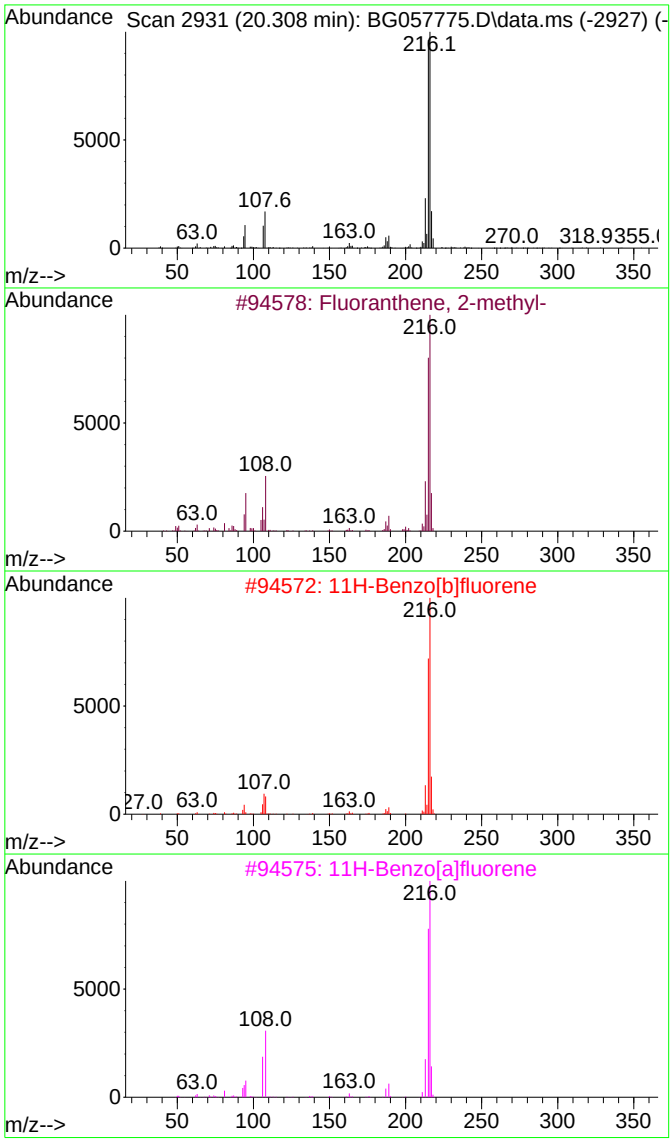
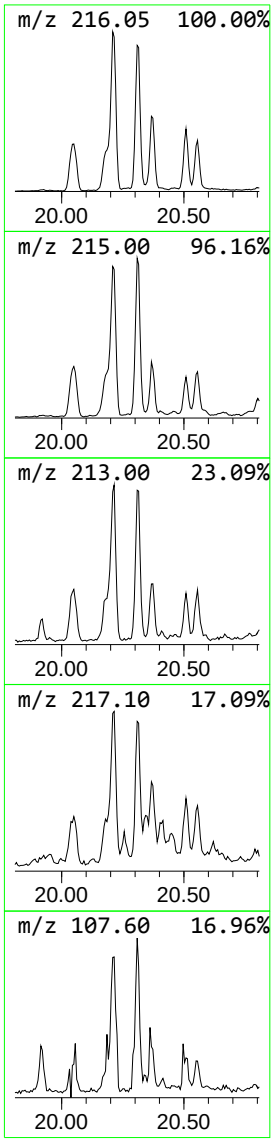
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.308	4.06 ng	387373	Chrysene-d12	21.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057775.D
Acq On : 20 Jun 2023 14:08
Operator : CG/JU
Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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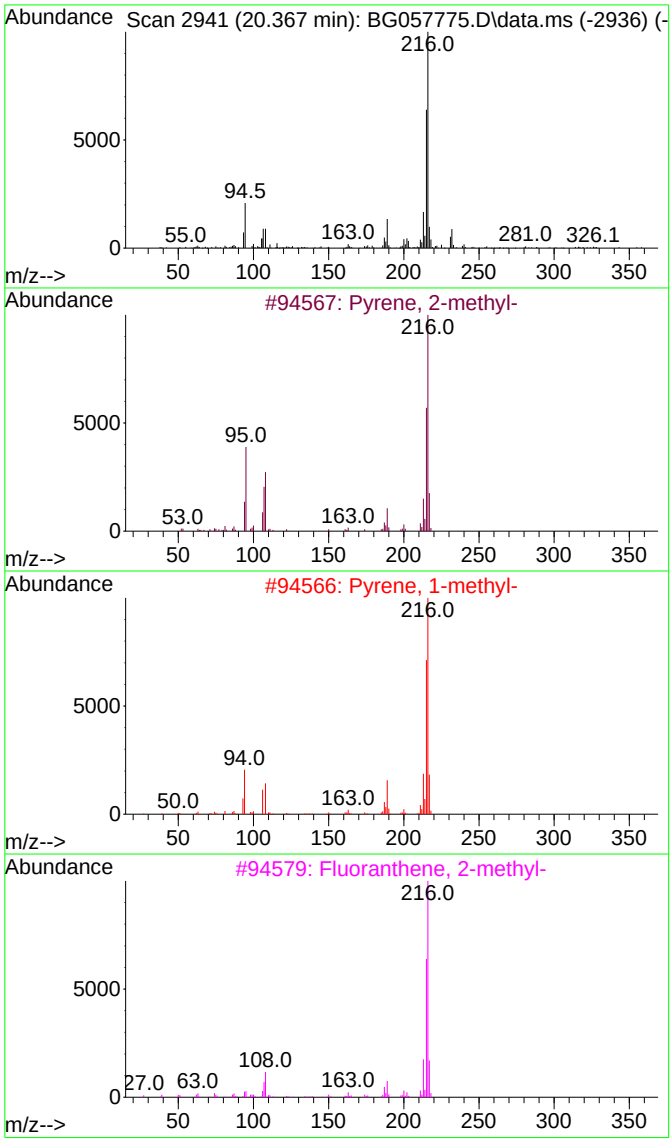
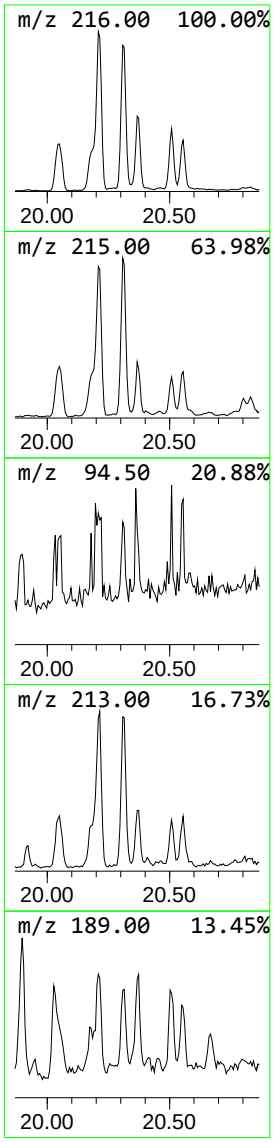
Peak Number 19 Pyrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.367	2.52 ng	240751	Chrysene-d12	21.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057775.D
Acq On : 20 Jun 2023 14:08
Operator : CG/JU
Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

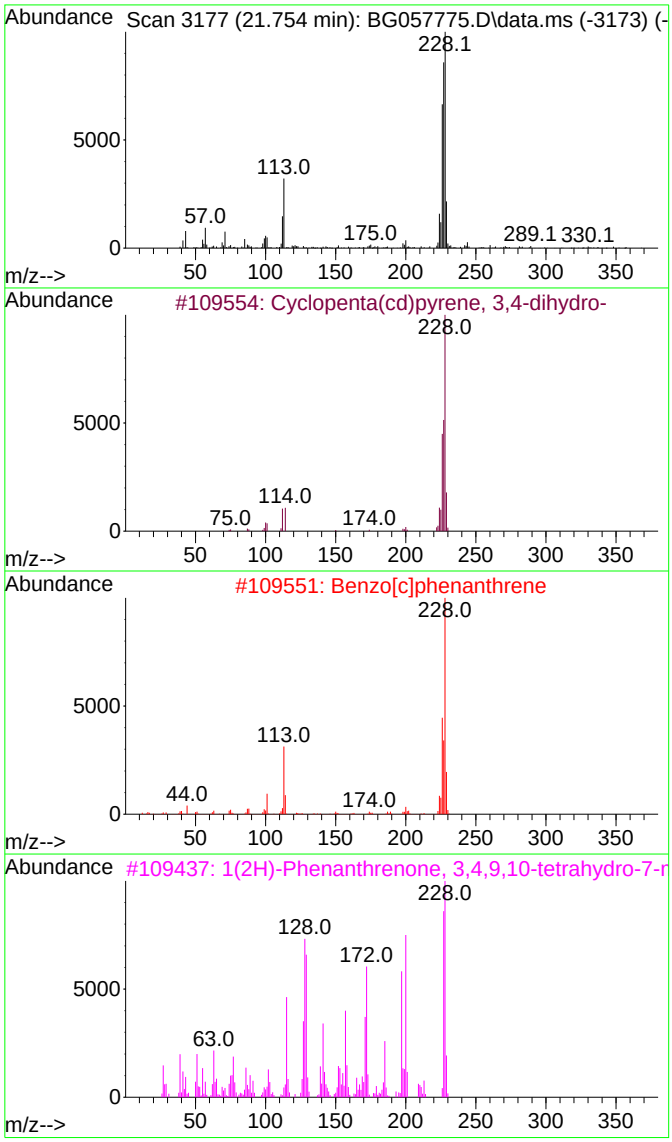
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

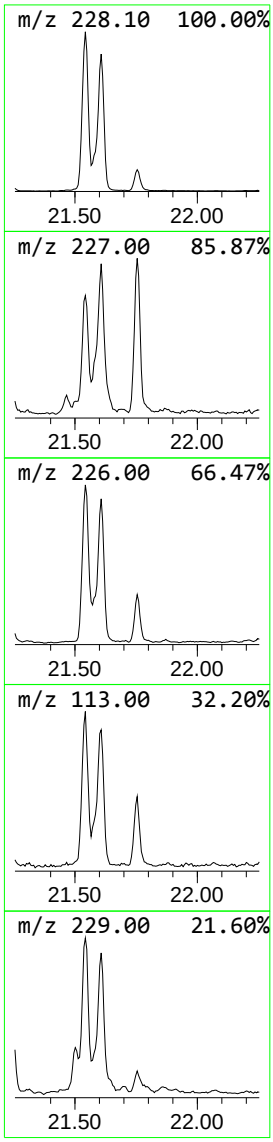
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.754	2.67 ng	255152	Chrysene-d12	21.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
5	Chrysene	228	C18H12	000218-01-9	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057775.D
Acq On : 20 Jun 2023 14:08
Operator : CG/JU
Sample : 03288-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.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-...	5.032	3.9	ng	56188	1	7.923	291587	20.0
Naphthalene, 2,...	13.881	2.9	ng	78944	3	14.562	545257	20.0
9H-Fluoren-3-ol	15.902	4.2	ng	114081	3	14.562	545257	20.0
unknown16.284	16.284	2.4	ng	73951	4	17.306	605560	20.0
9H-Fluorene, 3-...	16.607	4.3	ng	130877	4	17.306	605560	20.0
Phenol, 3-(2-ph...	17.030	2.3	ng	70749	4	17.306	605560	20.0
Dibenzothiophene	17.118	4.6	ng	140457	4	17.306	605560	20.0
Acridine	17.488	2.5	ng	76105	4	17.306	605560	20.0
Phenanthrene, 4...	18.187	10.6	ng	320607	4	17.306	605560	20.0
Phenanthrene, 1...	18.229	8.7	ng	264720	4	17.306	605560	20.0
Phenanthrene, 2...	18.311	4.0	ng	120020	4	17.306	605560	20.0
4H-Cyclopenta[d...	18.375	20.6	ng	623997	4	17.306	605560	20.0
Naphtho[2,3-b]n...	18.411	4.0	ng	120005	4	17.306	605560	20.0
Naphthalene, 2-...	18.675	4.6	ng	138942	4	17.306	605560	20.0
di-p-Tolylacety...	19.092	5.7	ng	172588	4	17.306	605560	20.0
Phenanthrene, 4...	19.233	2.3	ng	69955	4	17.306	605560	20.0
11H-Benzo[b]flu...	20.209	4.9	ng	467208	5	21.560	1907900	20.0
Fluoranthene, 2...	20.308	4.1	ng	387373	5	21.560	1907900	20.0
Pyrene, 2-methyl-	20.367	2.5	ng	240751	5	21.560	1907900	20.0
Cyclopenta(cd)p...	21.754	2.7	ng	255152	5	21.560	1907900	20.0