LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060503.D
Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

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-BG010824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG060503.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.505	403	411	418	rBV	409741	714676	3.71%	0.377%
2	7.091	674	681	691	rBV	449255	819289	4.25%	0.432%
3	7.926	814	823	834	rBV	585873	1030007	5.34%	0.543%
4	9.089	1014	1021	1031	rBV	279089	537774	2.79%	0.284%
5	10.728	1289	1300	1306	rBV	830901	1579420	8.19%	0.833%
6	10.781	1306	1309	1317	rVB	134774	218149	1.13%	0.115%
7	13.184	1711	1718	1726	rBV	789053	1215508	6.30%	0.641%
8	13.449	1758	1763	1773	rVB	421880	663631	3.44%	0.350%
9	13.883	1830	1837	1842	rBV2	136150	252240	1.31%	0.133%
10	14.289	1901	1906	1913	rBV3	119124	246045	1.28%	0.130%
11	14.565	1943	1953	1959	rBV	1527978	2382995	12.36%	1.257%
12	14.630	1959	1964	1971	rVB	382482	593223	3.08%	0.313%
13	14.771	1980	1988	1997	rBV4	163717	391484	2.03%	0.207%
14	14.964	2014	2021	2028	rBV	344150	558042	2.89%	0.294%
15	15.176	2051	2057	2063	rBV2	99413	193494	1.00%	0.102%
16	15.611	2125	2131	2142	rBV	462335	801133	4.15%	0.423%
17	15.905	2176	2181	2189	rVB	229861	430474	2.23%	0.227%
18	16.051	2201	2206	2214	rVV	875554	1463563	7.59%	0.772%
19	16.286	2237	2246	2258	rVB7	124483	288159	1.49%	0.152%
20	16.615	2291	2302	2307	rBV4	214800	573860	2.98%	0.303%
21	16.668	2307	2311	2316	rVB4	117156	196942	1.02%	0.104%
22	16.845	2333	2341	2344	rBV3	189143	366522	1.90%	0.193%
23	16.886	2344	2348	2351	rVB4	144876	194327	1.01%	0.103%
24	16.968	2357	2362	2367	rVB	554937	827846	4.29%	0.437%
25	17.044	2370	2375	2382	rVV4	201749	485736	2.52%	0.256%
26	17.133	2385	2390	2399	rVB	509372	830398	4.31%	0.438%
27	17.315	2415	2421	2424	rBV	1760906	2736272	14.19%	1.444%
28	17.362	2424	2429	2435	rVV	7984878	12736433	66.05%	6.720%
29	17.450	2439	2444	2449	rVV	1673246	2541199	13.18%	1.341%
30	17.497	2449	2452	2458	rVB2	142173	281846	1.46%	0.149%
31	17.720	2482	2490	2499	rBV2	639722	1308633	6.79%	0.690%
32	17.832	2505	2509	2513	rVV	268689	312352	1.62%	0.165%
33	17.896	2515	2520	2528	rVB	365371	618624	3.21%	0.326%
34	18.037	2540	2544	2551	rVB	158634	317495	1.65%	0.168%
35	18.114	2553	2557	2561	rBV	156361	240487	1.25%	0.127%
36	18.190	2565	2570	2574	rVV	1601758	2411867	12.51%	1.273%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060503.D
Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

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-BG010824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.243	2574	2579	2585	rVB	2146807	3172124	16.45%	1.674%
38	18.319	2587	2592	2597	rBV	694290	1007747	5.23%	0.532%
39	18.384	2597	2603	2607	rVV2	1880693	3746549	19.43%	1.977%
40	18.425	2607	2610	2616	rVB	1226429	1674158	8.68%	0.883%
41	18.496	2618	2622	2626	rBV4	194815	279478	1.45%	0.147%
42	18.537	2626	2629	2633	rBV4	167841	205000	1.06%	0.108%
43	18.584	2633	2637	2642	rBV3	153068	243995	1.27%	0.129%
44	18.690	2650	2655	2659	rBV	1243116	1731117	8.98%	0.913%
45	18.737	2659	2663	2672	rVB2	893314	1338440	6.94%	0.706%
46	18.813	2673	2676	2681	rBV	176791	287614	1.49%	0.152%
47	18.936	2693	2697	2701	rVV	454618	601207	3.12%	0.317%
48	18.983	2702	2705	2708	rVV	427710	544854	2.83%	0.287%
49	19.024	2708	2712	2716	rVB	389814	549967	2.85%	0.290%
50	19.107	2721	2726	2731	rBV	1147735	2111409	10.95%	1.114%
51	19.201	2740	2742	2746	rVB2	387518	400270	2.08%	0.211%
52	19.254	2746	2751	2758	rBV2	1363062	2322732	12.05%	1.226%
53	19.383	2766	2773	2778	rBV	11809061	19283032	100.00%	10.174%
54	19.436	2778	2782	2784	rVV2	292758	354804	1.84%	0.187%
55	19.471	2785	2788	2793	rVB	528421	657331	3.41%	0.347%
56	19.524	2794	2797	2800	rBV2	168815	202858	1.05%	0.107%
57	19.618	2809	2813	2817	rBV	576164	753842	3.91%	0.398%
58	19.747	2829	2835	2840	rVB	11054091	19066200	98.88%	10.060%
59	19.806	2841	2845	2851	rVB3	934630	1504667	7.80%	0.794%
60	19.929	2859	2866	2870	rBV2	1209956	2287582	11.86%	1.207%
61	19.976	2870	2874	2879	rVB2	718875	1195743	6.20%	0.631%
62	20.064	2882	2889	2895	rBV3	1247636	3393218	17.60%	1.790%
63	20.194	2906	2911	2913	rBV5	938699	1651597	8.57%	0.871%
64	20.329	2930	2934	2937	rBV	457752	622170	3.23%	0.328%
65	20.388	2937	2944	2948	rVV2	1650878	2912104	15.10%	1.536%
66	20.423	2948	2950	2953	rVB3	326993	340307	1.76%	0.180%
67	20.529	2964	2968	2971	rBV	1198123	1547625	8.03%	0.817%
68	20.570	2972	2975	2979	rVB	992470	1300219	6.74%	0.686%
69	20.987	3041	3046	3053	rVB	2142584	3222975	16.71%	1.700%
70	21.163	3070	3076	3080	rBV2	1289621	2768353	14.36%	1.461%
71	21.210	3081	3084	3088	rVV	1392482	2004277	10.39%	1.057%
72	21.257	3088	3092	3097	rVV2	1287111	2488189	12.90%	1.313%
73	21.316	3098	3102	3110	rVB	1602535	2854977	14.81%	1.506%
74	21.569	3139	3145	3152	rBV3	7079334	16183772	83.93%	8.539%
75	21.633	3152	3156	3167	rVB	6547056	12058208	62.53%	6.362%
76	21.986	3211	3216	3223	rVB2	622924	1338117	6.94%	0.706%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060503.D
Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

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-BG010824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	22.044	3223	3226	3231	rBV5	268562	461934	2.40%	0.244%
78	22.303	3266	3270	3275	rVB	1159121	1964570	10.19%	1.037%
79	23.766	3509	3519	3525	rBV2	3453089	12691826	65.82%	6.696%
80	24.471	3632	3639	3653	rVB2	1721787	5346119	27.72%	2.821%
81	24.618	3656	3664	3676	rVB	2537245	7498064	38.88%	3.956%

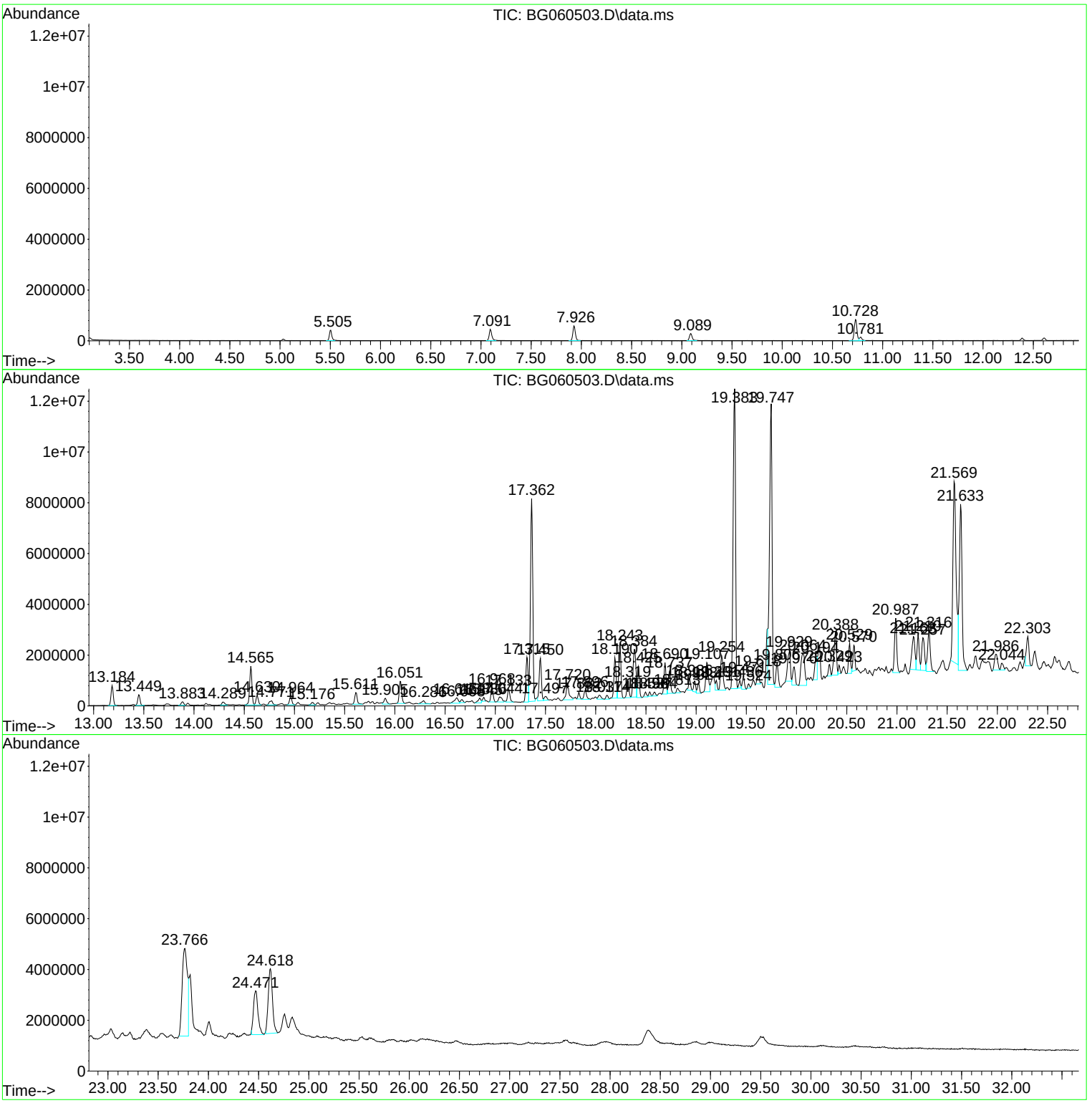
Sum of corrected areas: 189531486

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060503.D
Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.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\BG013024\
Data File : BG060503.D
Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

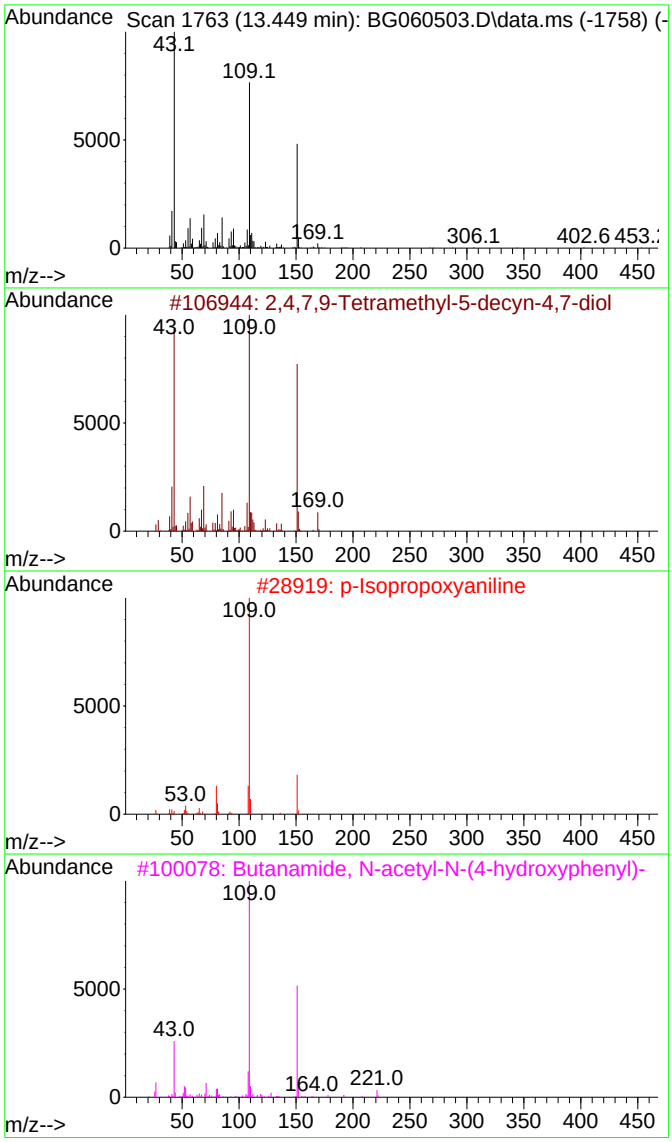
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

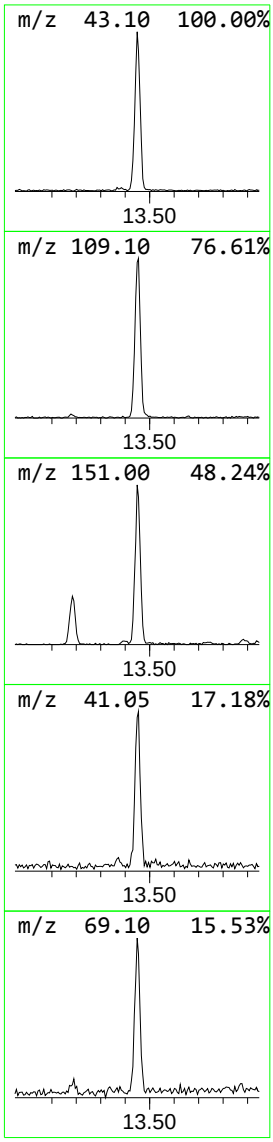
****

Peak Number 1 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.449	5.57 ng	663631	Acenaphthene-d10	14.565

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	p-Isopropoxyaniline	151	C9H13NO	007664-66-6	64
3	Butanamide, N-acetyl-N-(4-hydrox...	221	C12H15NO3	1000107-08-7	64
4	4-Pyridinemethanol, acetate (ester)	151	C8H9NO2	001007-48-3	59
5	Metacetamol	151	C8H9NO2	000621-42-1	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060503.D
Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

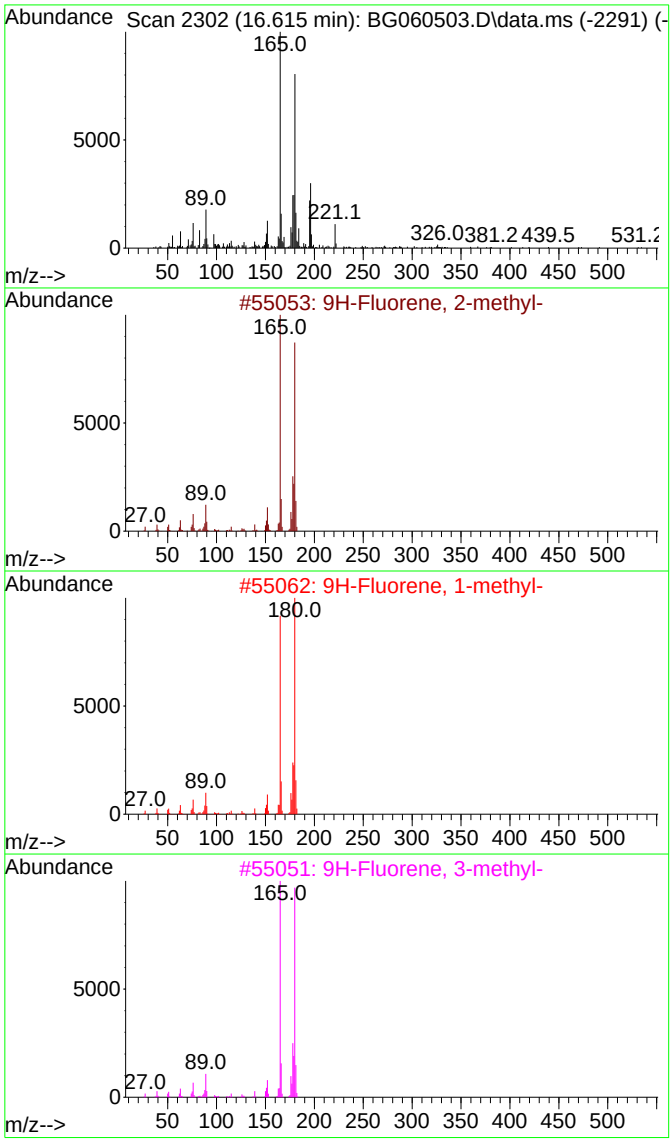
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

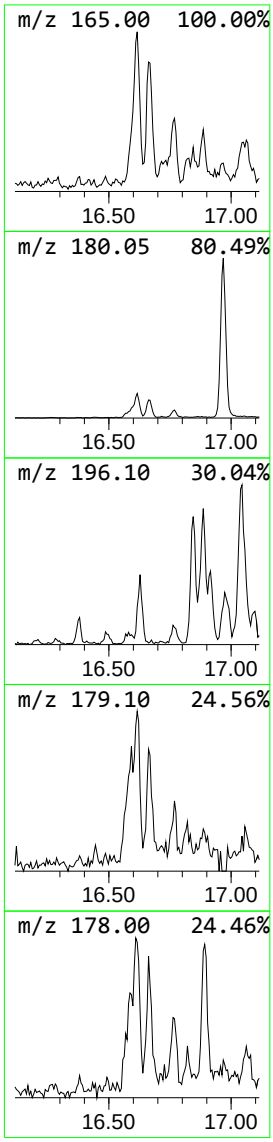
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.616	4.19 ng	573860	Phenanthrene-d10	17.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060503.D
Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

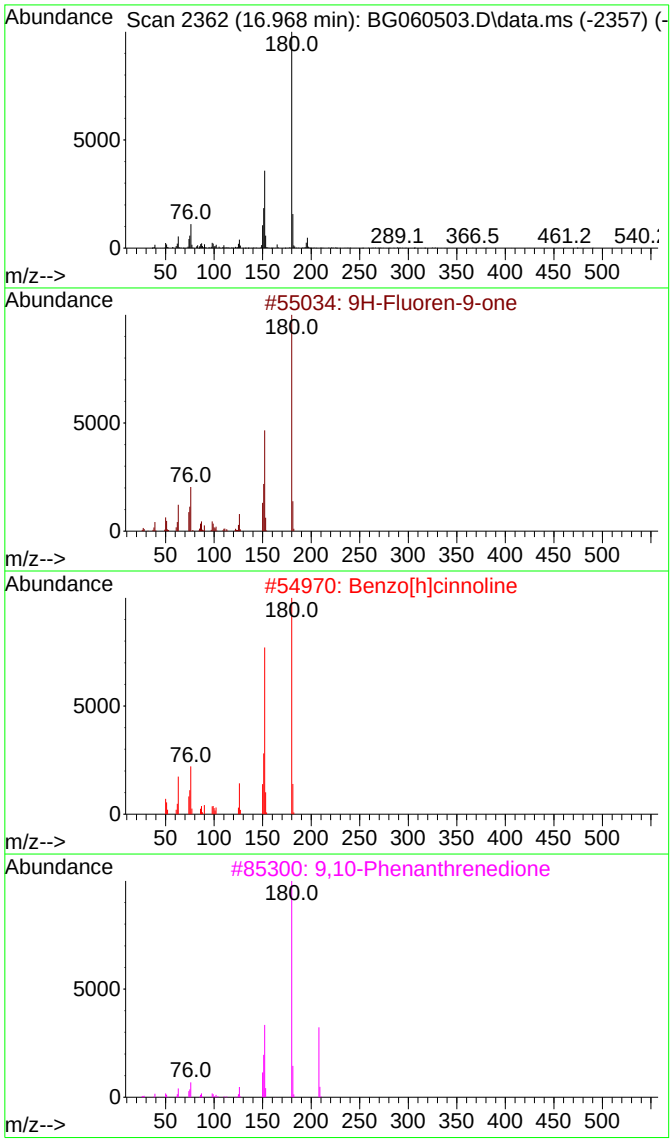
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

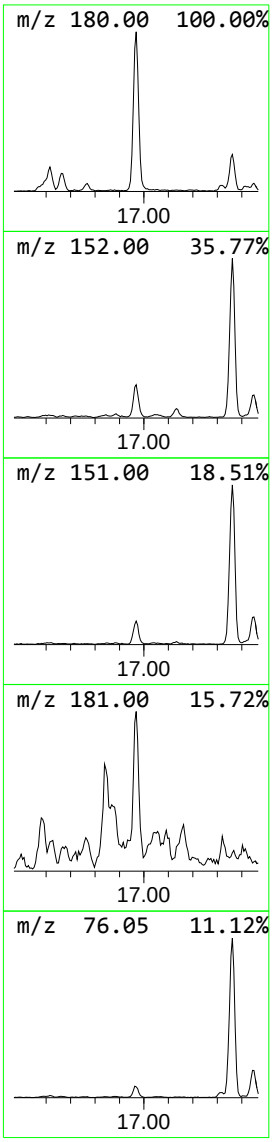
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.968	6.05 ng	827846	Phenanthrene-d10	17.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
4	Diphenic anhydride	224	C14H8O3	006050-13-1	83
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060503.D
Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.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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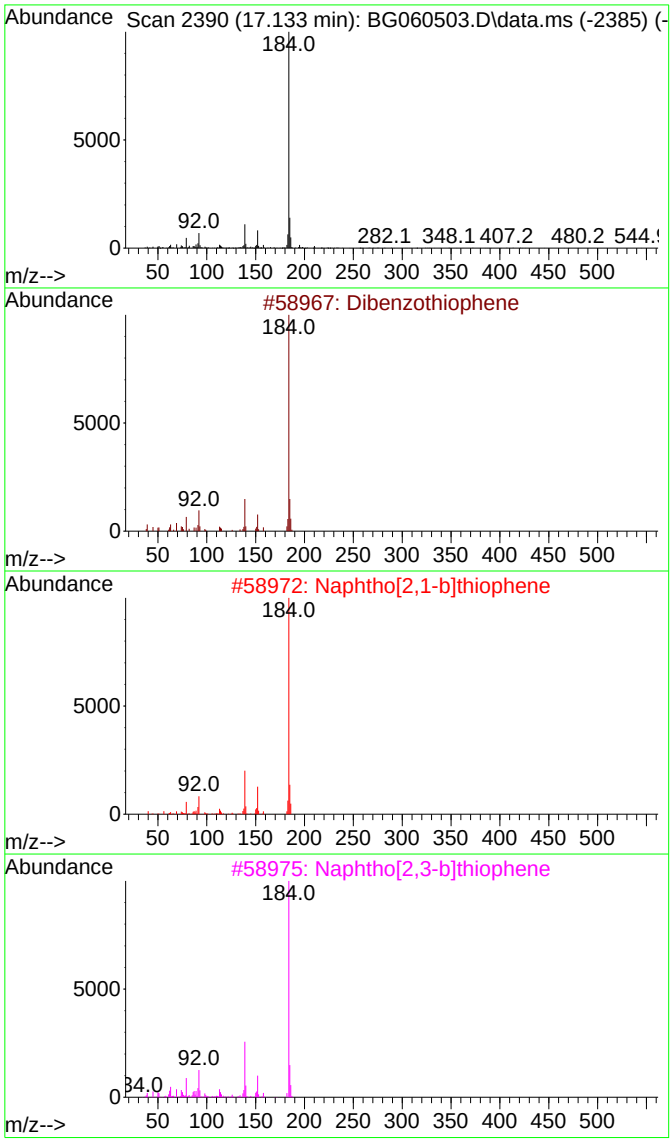
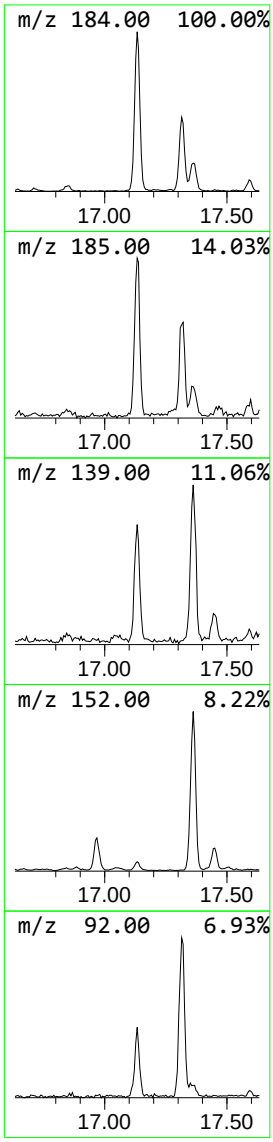
Peak Number 4 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.133	6.07 ng	830398	Phenanthrene-d10	17.315

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[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	72
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060503.D
Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

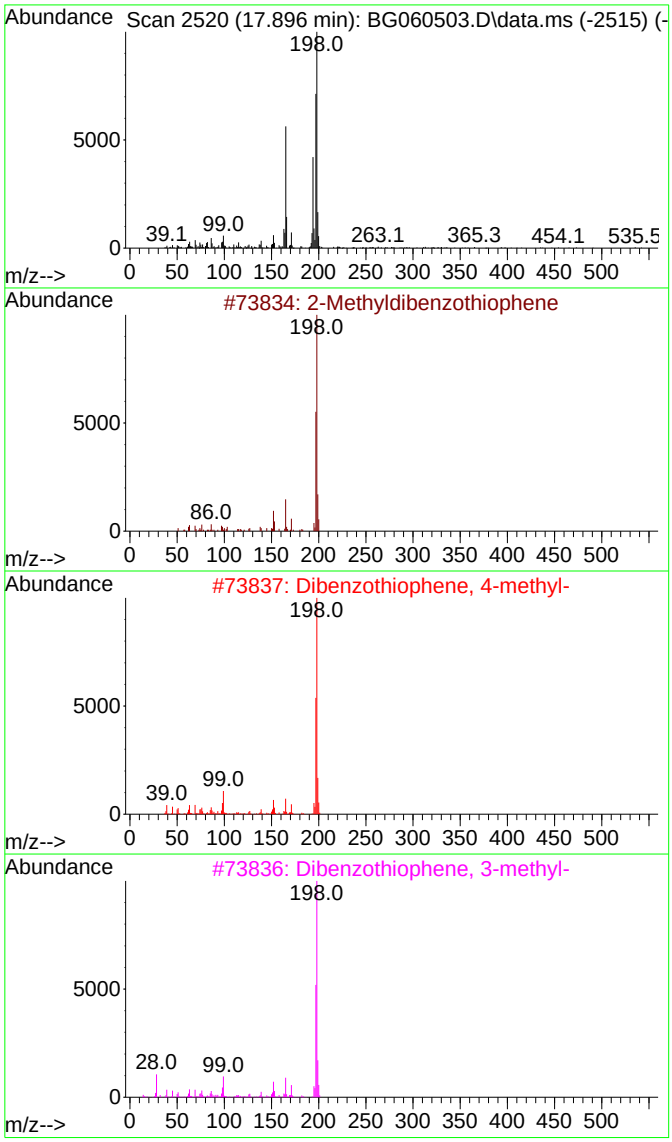
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

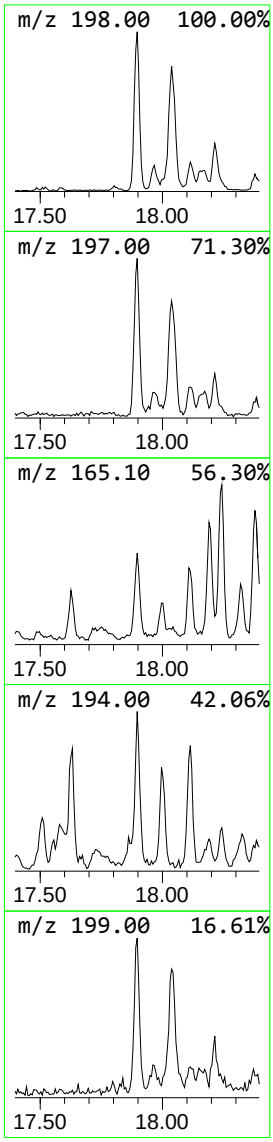
****

Peak Number 5 2-Methyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.896	4.52 ng	618624	Phenanthrene-d10	17.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	72
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	53
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	52
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	52
5	9H-Fluorene-9-thiol	198	C13H10S	019552-08-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060503.D
Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

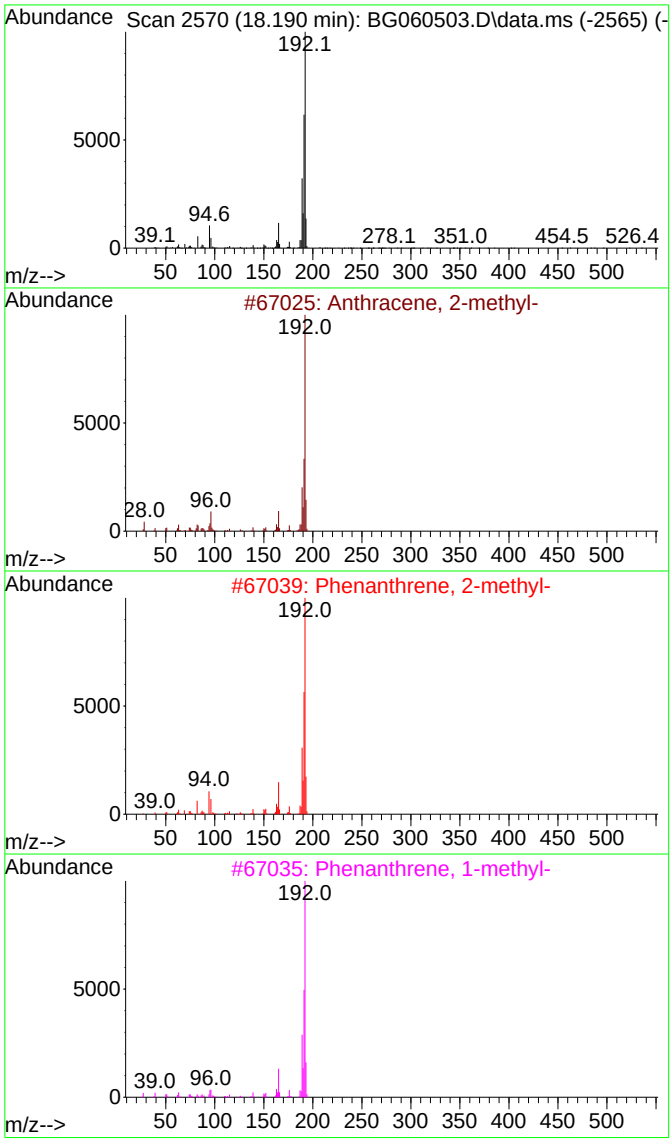
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

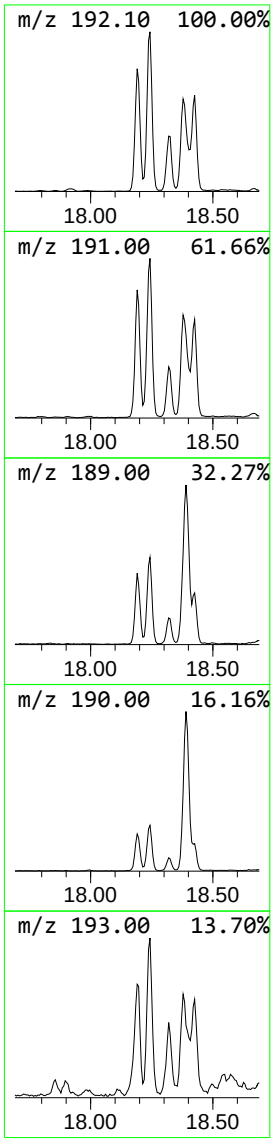
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.190	17.63 ng	2411870	Phenanthrene-d10	17.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Data File : BG060503.D
Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.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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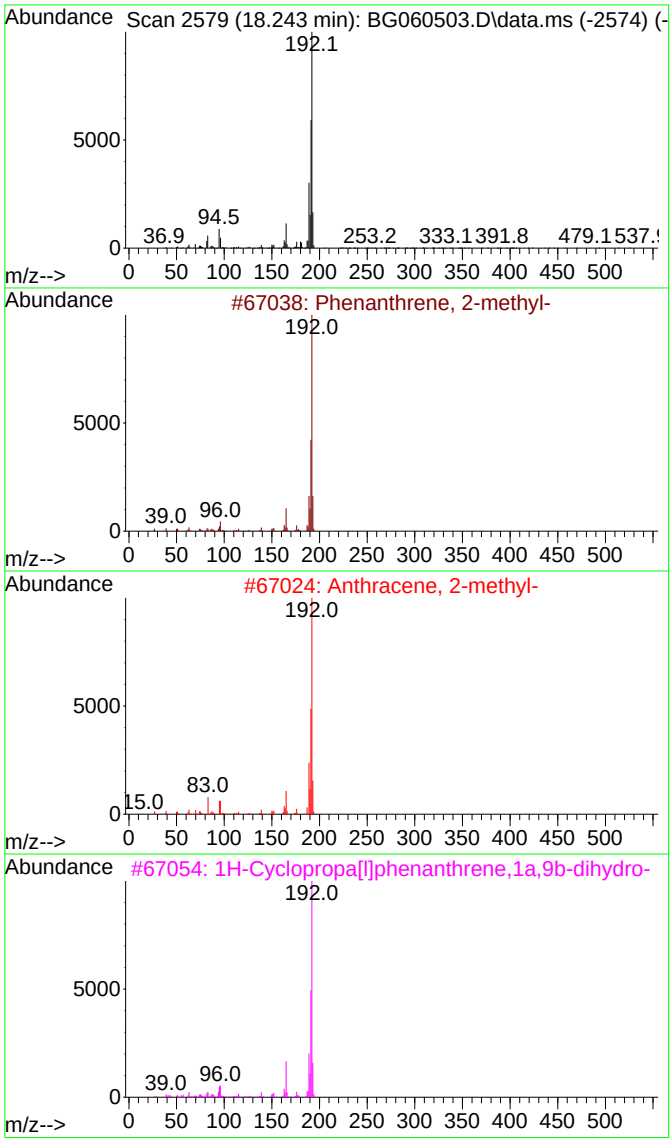
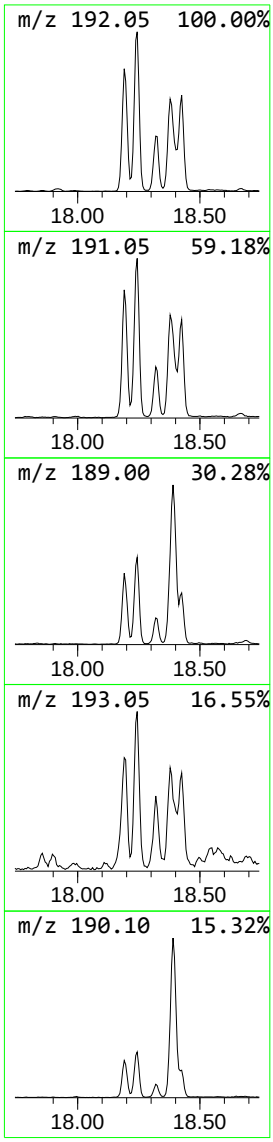
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.243	23.19 ng	3172120	Phenanthrene-d10	17.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

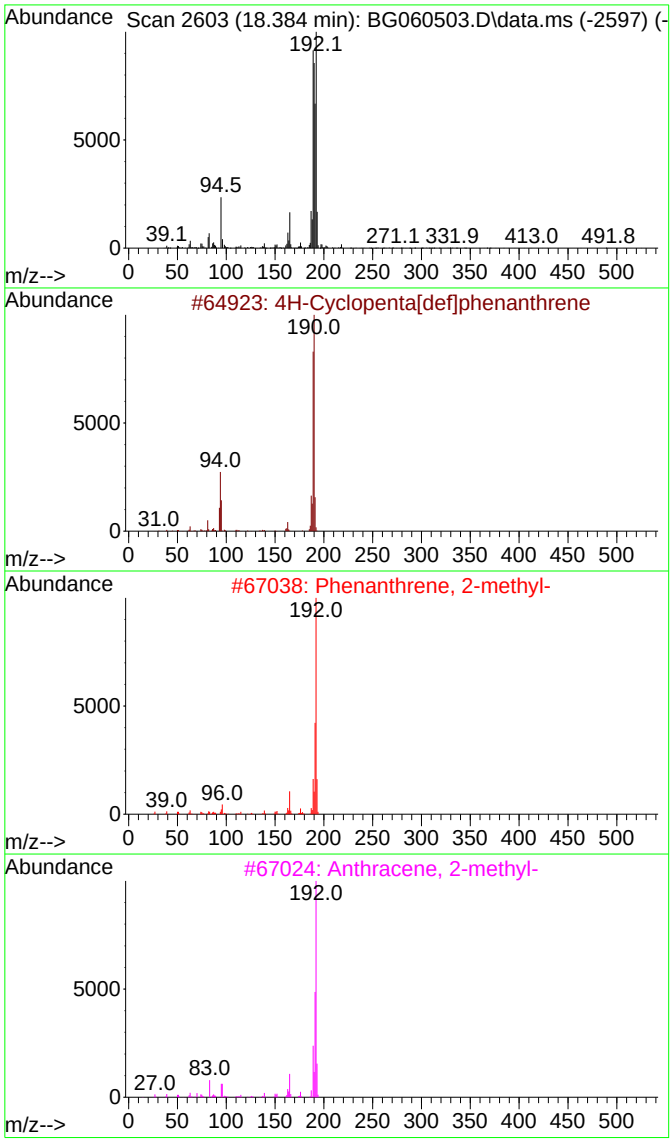
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

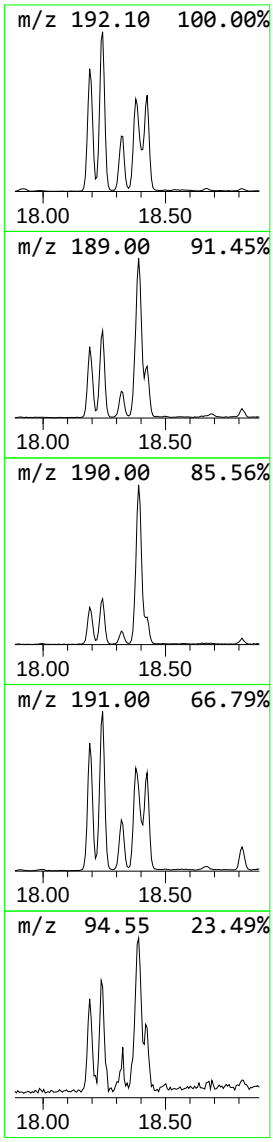
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.384	27.38 ng	3746550	Phenanthrene-d10	17.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	42





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Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

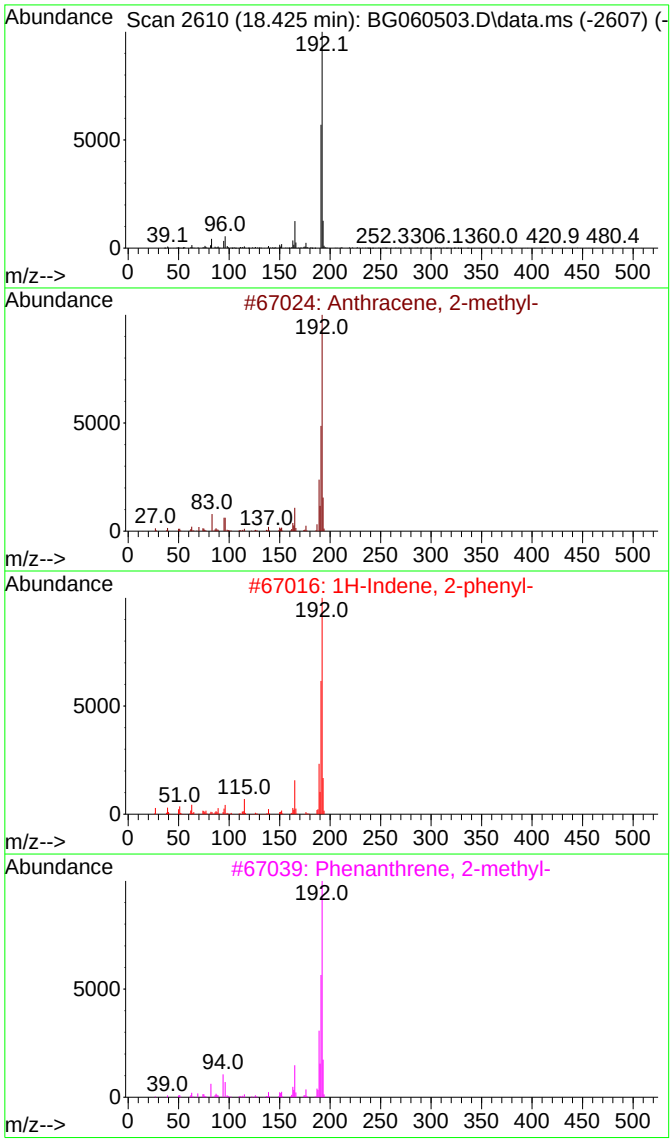
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

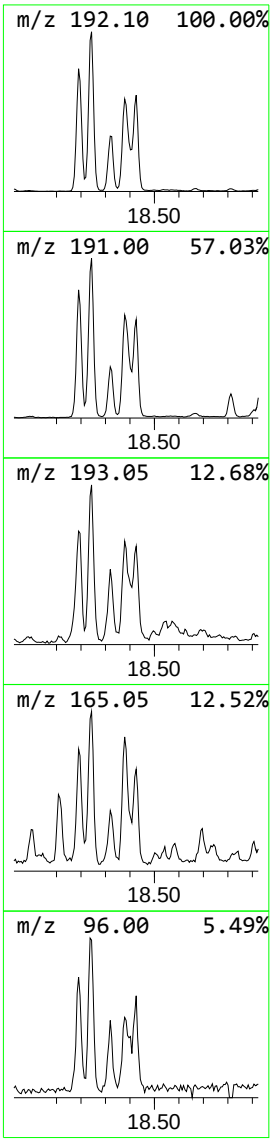
****

Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.425	12.24 ng	1674160	Phenanthrene-d10	17.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.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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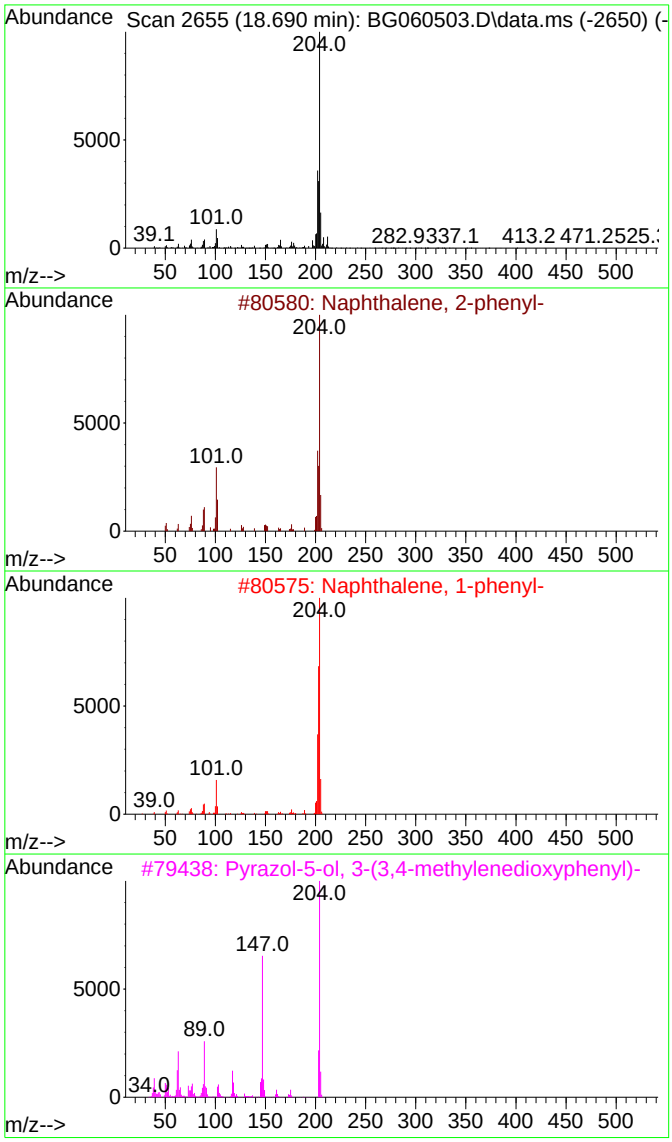
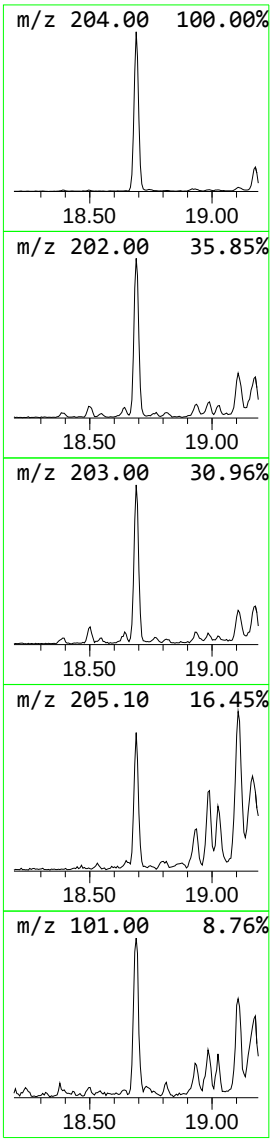
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.689	12.65 ng	1731120	Phenanthrene-d10	17.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
3	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	53
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	52





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Acq On : 31 Jan 2024 4:06
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Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.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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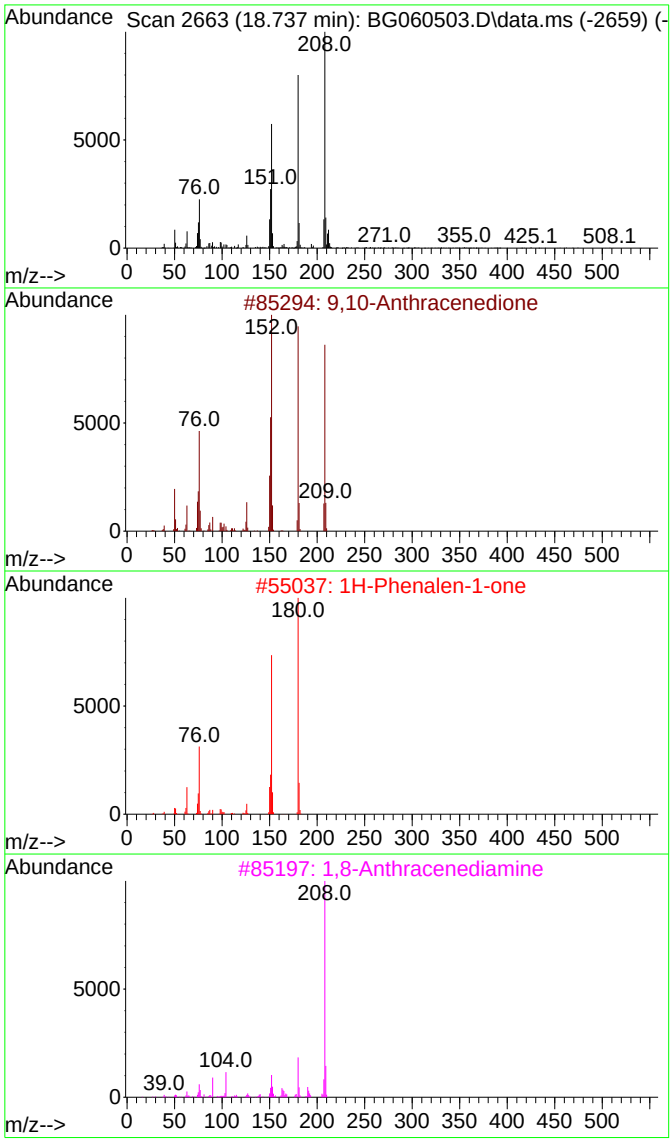
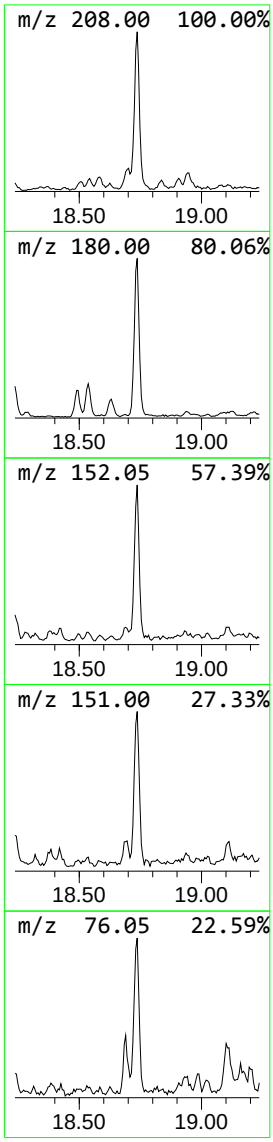
Peak Number 12 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.736	9.78 ng	1338440	Phenanthrene-d10	17.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	92
3	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	80
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50





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Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.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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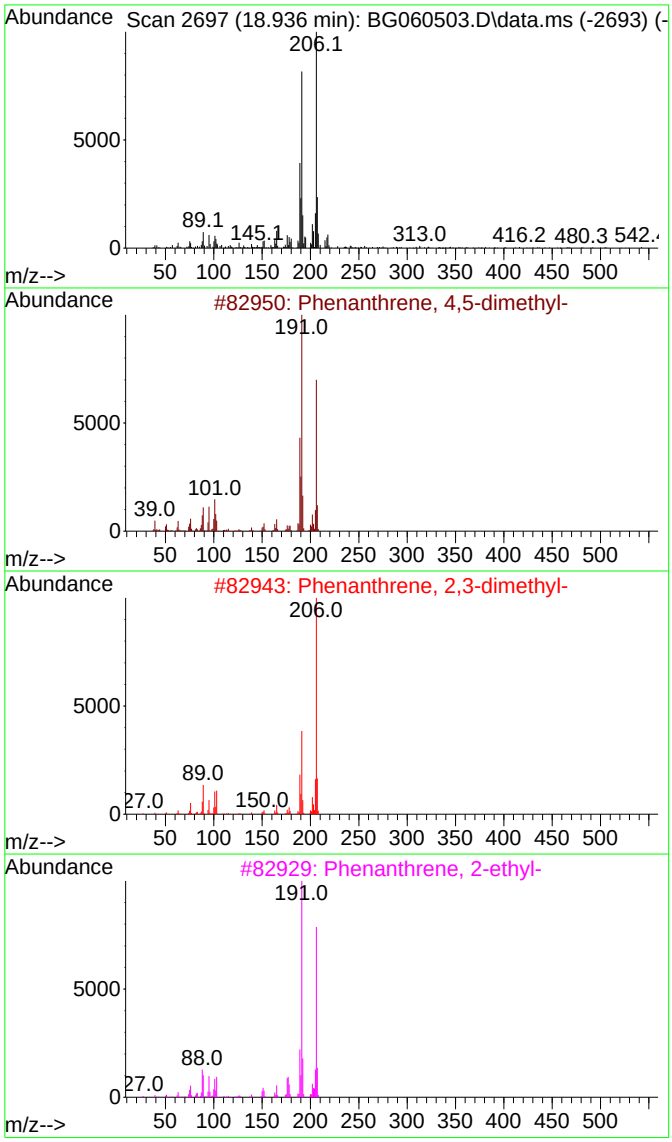
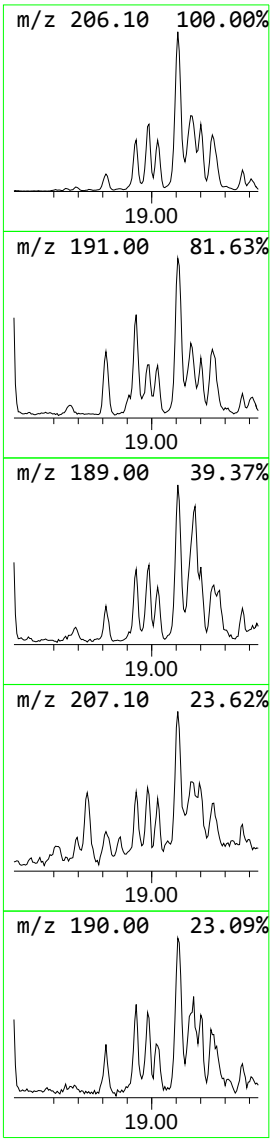
Peak Number 13 Phenanthrene, 4,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.936	4.39 ng	601207	Phenanthrene-d10	17.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	81
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	72





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Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.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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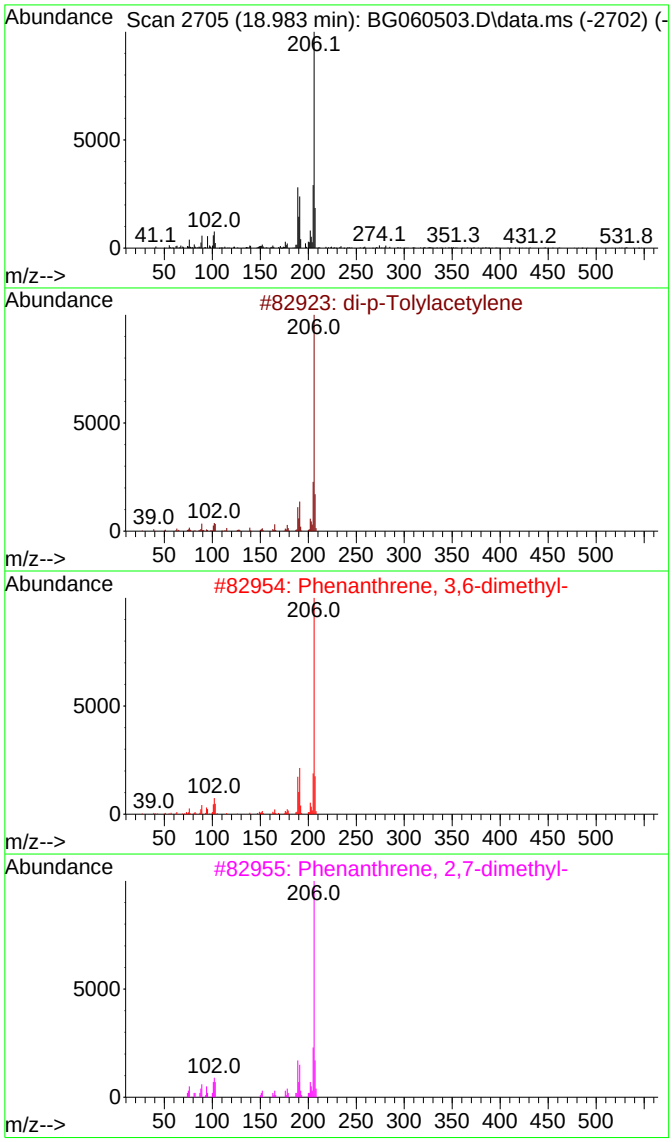
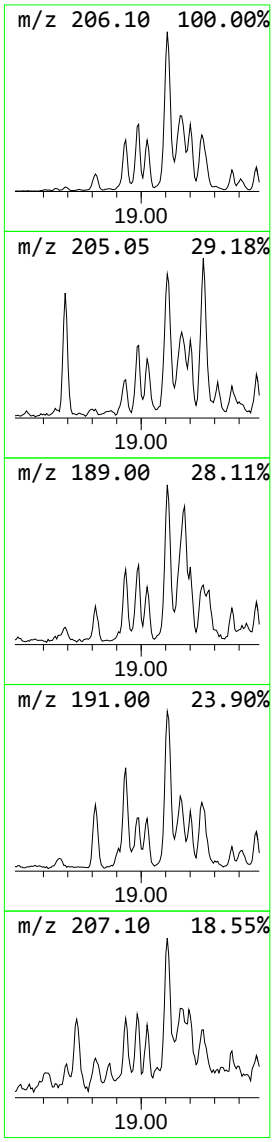
Peak Number 14 di-p-Tolylacetylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.983	3.98 ng	544854	Phenanthrene-d10	17.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	80





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Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.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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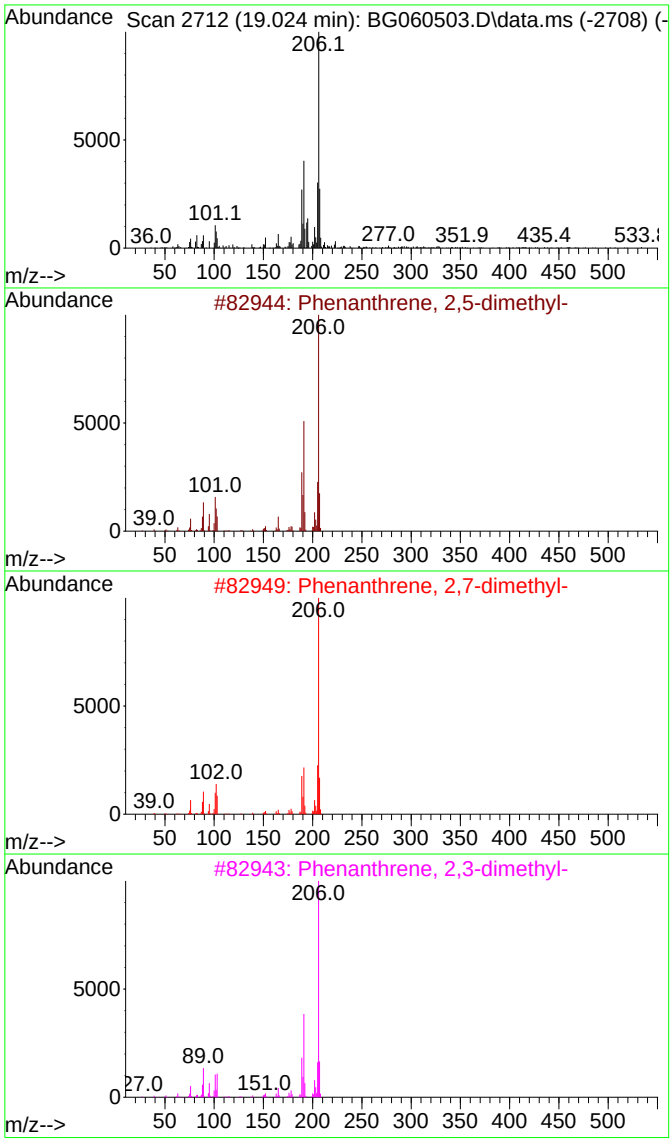
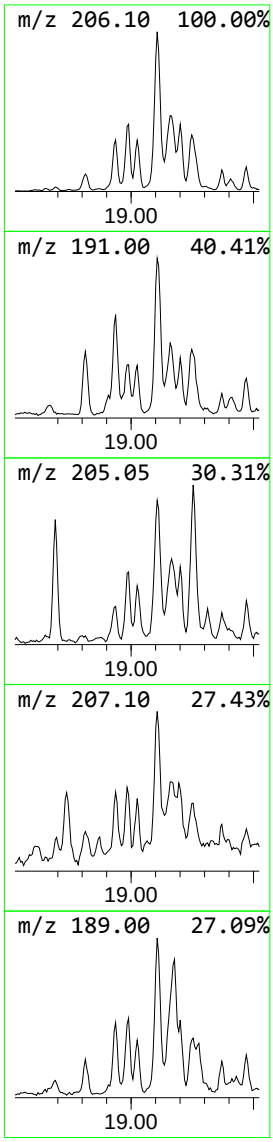
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.024	4.02 ng	549967	Phenanthrene-d10	17.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	80
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80





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Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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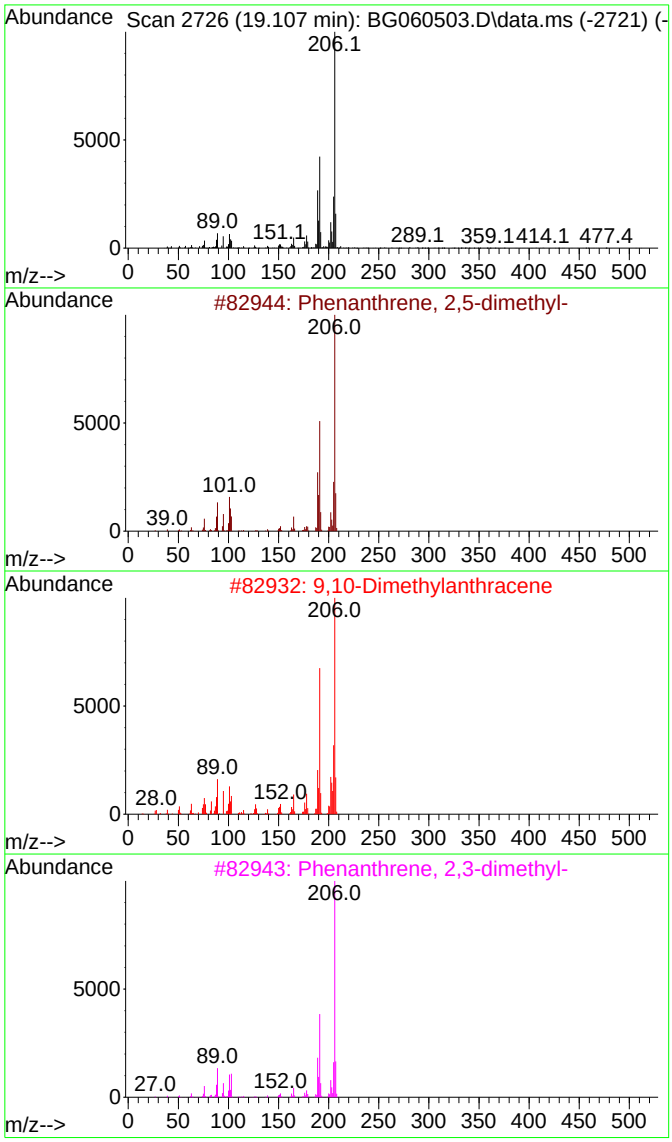
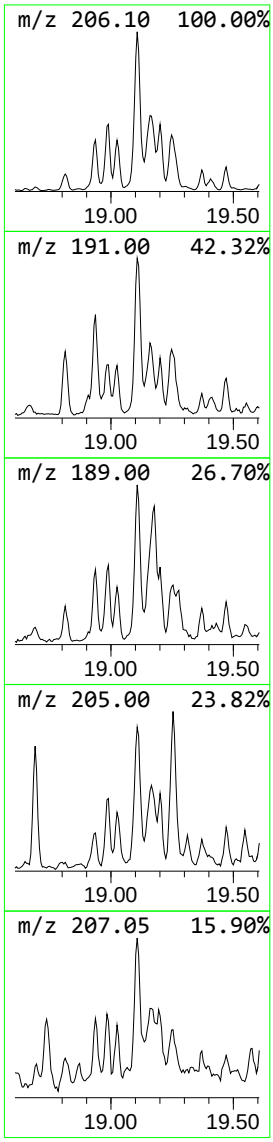
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.107	15.43 ng	2111410	Phenanthrene-d10	17.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.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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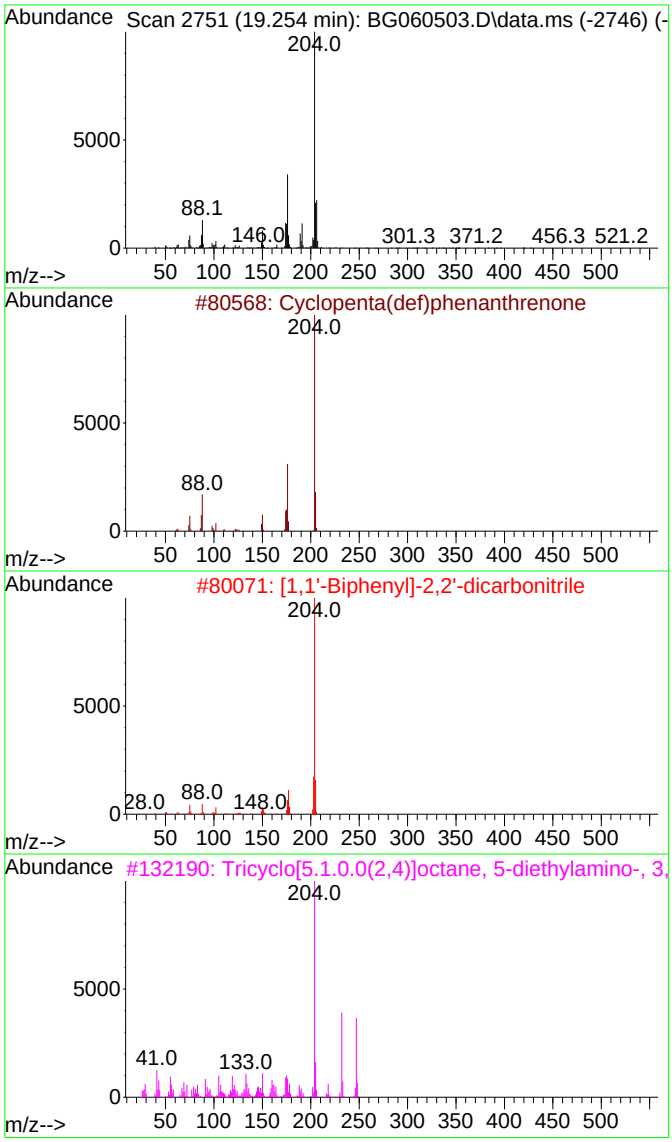
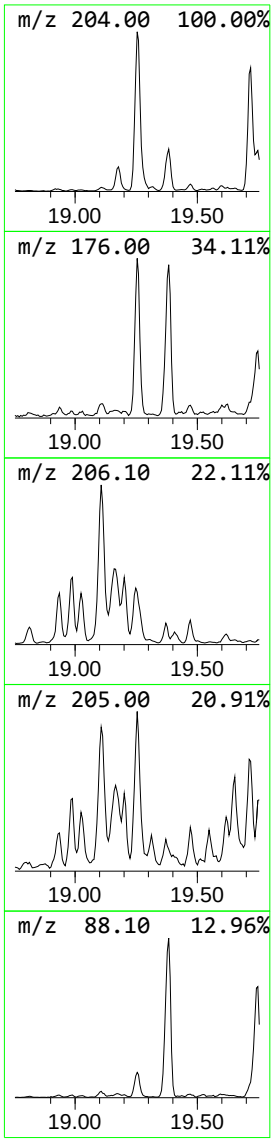
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.254	16.98 ng	2322730	Phenanthrene-d10	17.315

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
4	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	47
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47





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Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.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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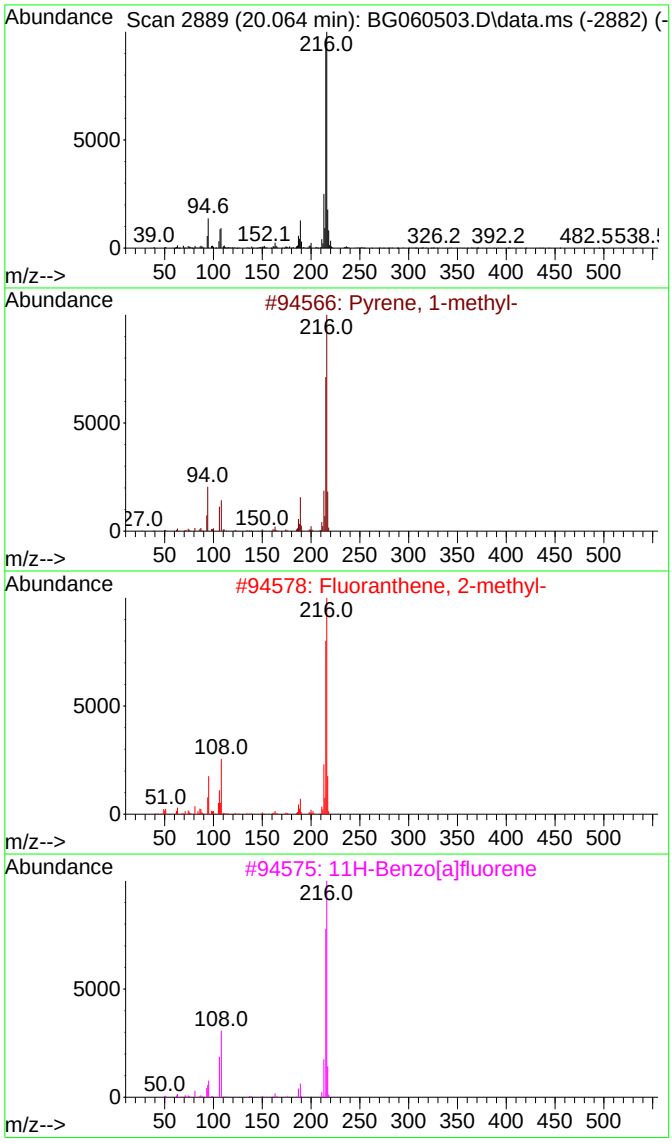
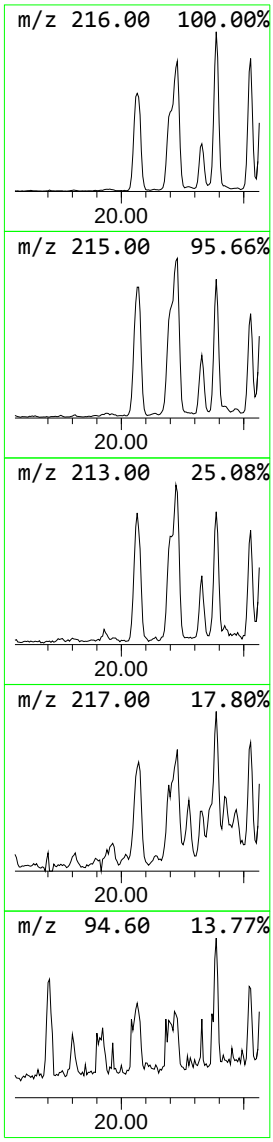
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.064	4.19 ng	3393220	Chrysene-d12	21.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Data File : BG060503.D
Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.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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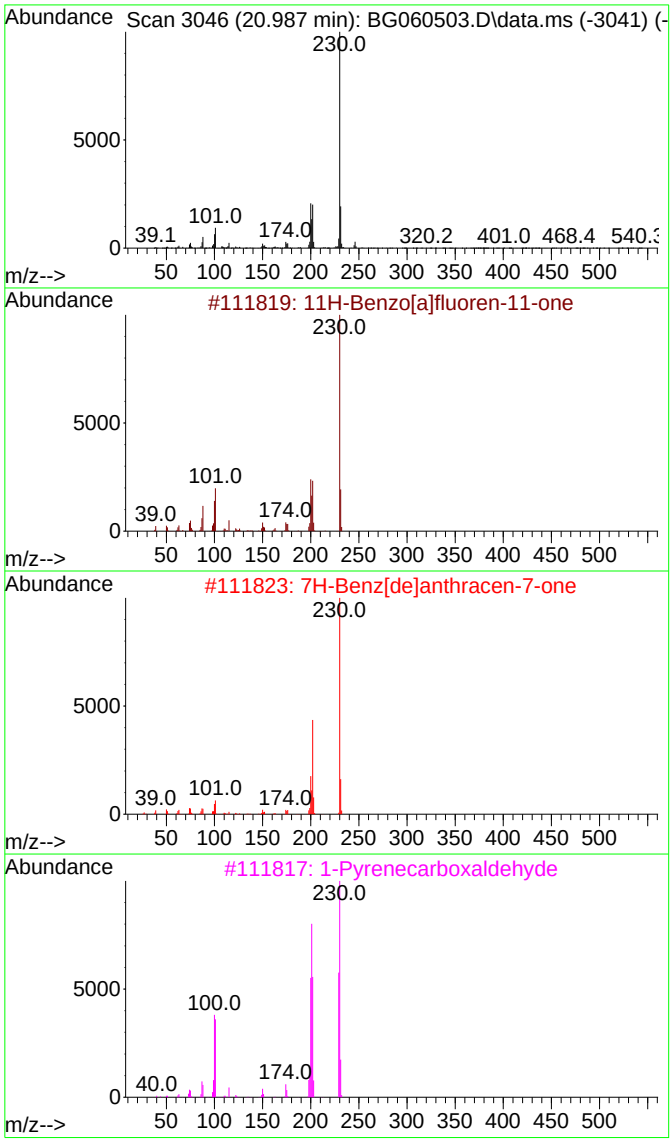
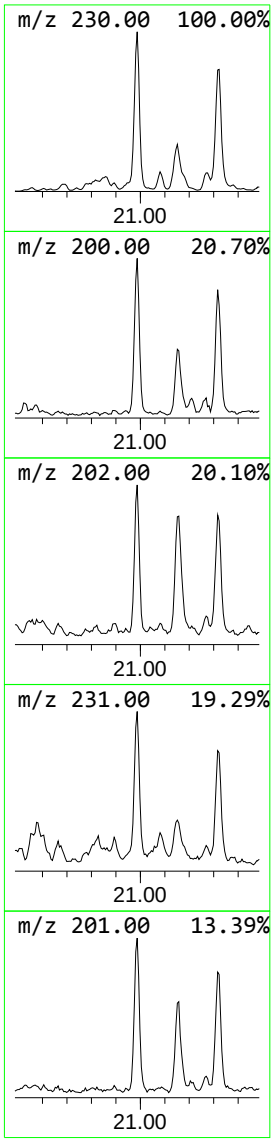
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.987	3.98 ng	3222980	Chrysene-d12	21.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	o-Terphenyl	230	C18H14	000084-15-1	58
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060503.D
Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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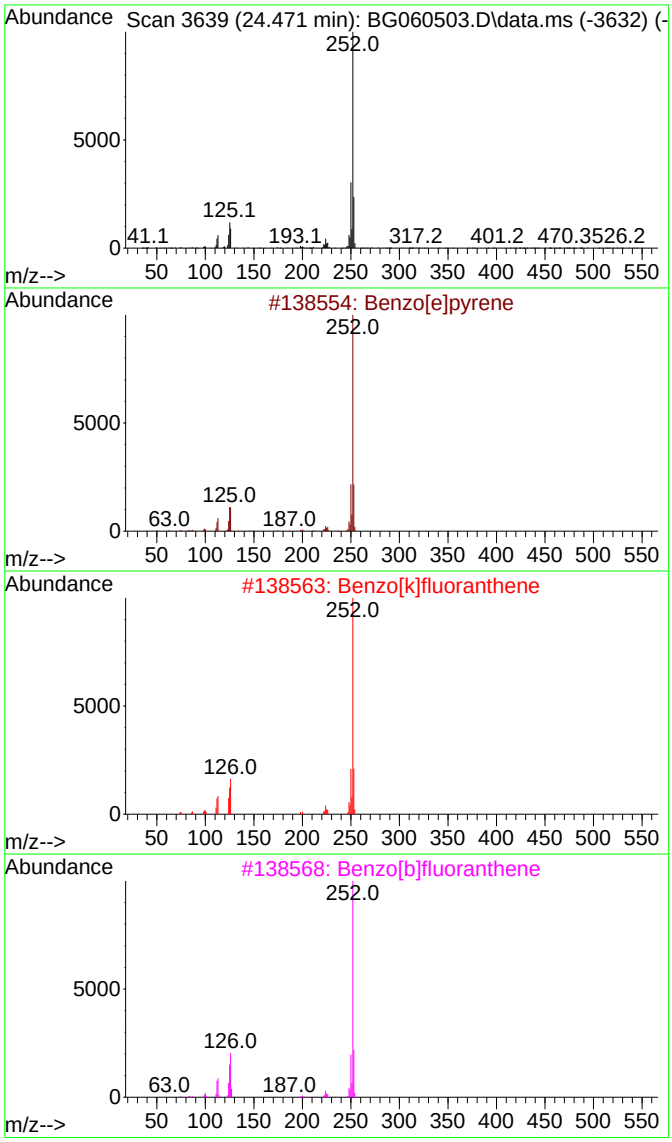
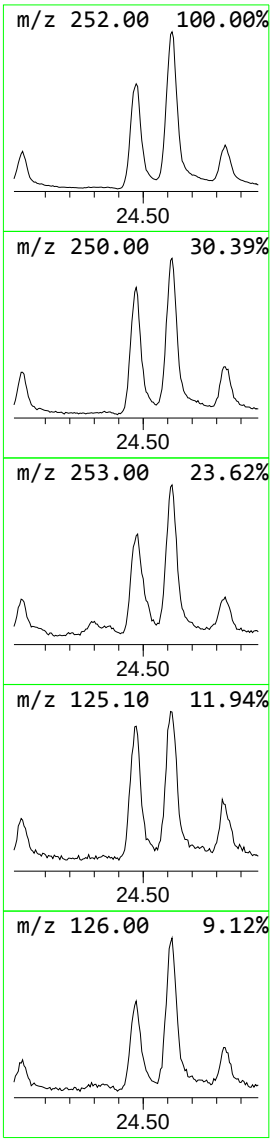
Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.471	14.26 ng	5346120	Perylene-d12	24.759

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060503.D
Acq On : 31 Jan 2024 4:06
Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.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
2,4,7,9-Tetrame...	13.449	5.6	ng	663631	3	14.565	2383000	20.0
9H-Fluorene, 2-...	16.616	4.2	ng	573860	4	17.315	2736270	20.0
9H-Fluoren-9-one	16.968	6.0	ng	827846	4	17.315	2736270	20.0
Dibenzothiophene	17.133	6.1	ng	830398	4	17.315	2736270	20.0
2-Methyldibenzo...	17.896	4.5	ng	618624	4	17.315	2736270	20.0
Anthracene, 2-m...	18.190	17.6	ng	2411870	4	17.315	2736270	20.0
Phenanthrene, 2...	18.243	23.2	ng	3172120	4	17.315	2736270	20.0
4H-Cyclopenta[d...	18.384	27.4	ng	3746550	4	17.315	2736270	20.0
1H-Indene, 2-ph...	18.425	12.2	ng	1674160	4	17.315	2736270	20.0
Naphthalene, 2-...	18.689	12.7	ng	1731120	4	17.315	2736270	20.0
9,10-Anthracene...	18.736	9.8	ng	1338440	4	17.315	2736270	20.0
Phenanthrene, 4...	18.936	4.4	ng	601207	4	17.315	2736270	20.0
di-p-Tolylacety...	18.983	4.0	ng	544854	4	17.315	2736270	20.0
Phenanthrene, 2...	19.024	4.0	ng	549967	4	17.315	2736270	20.0
9,10-Dimethylan...	19.107	15.4	ng	2111410	4	17.315	2736270	20.0
Cyclopenta(def)...	19.254	17.0	ng	2322730	4	17.315	2736270	20.0
Pyrene, 1-methyl-	20.064	4.2	ng	3393220	5	21.586	16183800	20.0
11H-Benzo[a]flu...	20.987	4.0	ng	3222980	5	21.586	16183800	20.0
Benzo[e]pyrene	24.471	14.3	ng	5346120	6	24.759	7498060	20.0