LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061092.D
Acq On : 2 May 2024 14:02
Operator : MA/JU
Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

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-BG043024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG061092.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.529	425	432	442	rVB	234847	388060	4.78%	0.598%
2	7.109	693	701	714	rBV	262290	439494	5.42%	0.677%
3	7.938	834	842	848	rBV	123398	208243	2.57%	0.321%
4	9.090	1030	1038	1047	rBV	174926	298099	3.67%	0.459%
5	10.729	1310	1317	1322	rBV	155968	287749	3.55%	0.443%
6	10.782	1322	1326	1334	rVB	111255	189505	2.34%	0.292%
7	12.386	1592	1599	1609	rBV	163271	272702	3.36%	0.420%
8	12.609	1623	1637	1644	rBV	125799	205530	2.53%	0.317%
9	13.185	1728	1735	1742	rBV	437285	659998	8.14%	1.017%
10	13.396	1765	1771	1776	rVB	71404	105865	1.31%	0.163%
11	13.731	1819	1828	1829	rBV2	67627	107115	1.32%	0.165%
12	13.884	1849	1854	1859	rBV	113521	196101	2.42%	0.302%
13	13.937	1859	1863	1870	rVB	77566	125269	1.54%	0.193%
14	14.125	1887	1895	1898	rBV	58304	90833	1.12%	0.140%
15	14.283	1918	1922	1933	rVB	72934	127792	1.58%	0.197%
16	14.565	1959	1970	1975	rBV2	240504	461049	5.68%	0.711%
17	14.630	1975	1981	1988	rVB	483398	741553	9.14%	1.143%
18	14.965	2031	2038	2045	rVB	514349	770694	9.50%	1.188%
19	15.182	2068	2075	2080	rBV3	42718	84620	1.04%	0.130%
20	15.359	2096	2105	2108	rBV2	38785	84254	1.04%	0.130%
21	15.617	2142	2149	2159	rVB	924085	1414419	17.44%	2.180%
22	15.776	2172	2176	2181	rVB3	97488	146799	1.81%	0.226%
23	15.911	2194	2199	2207	rVB	165104	267225	3.29%	0.412%
24	16.058	2213	2224	2231	rVV	541293	970835	11.97%	1.496%
25	16.146	2231	2239	2247	rVB4	38421	91790	1.13%	0.141%
26	16.622	2308	2320	2324	rBV3	135639	305537	3.77%	0.471%
27	16.669	2324	2328	2333	rVB	59012	88707	1.09%	0.137%
28	16.769	2340	2345	2349	rVB2	67073	111119	1.37%	0.171%
29	16.851	2349	2359	2362	rBV4	73517	153886	1.90%	0.237%
30	17.045	2387	2392	2401	rVV2	78853	190067	2.34%	0.293%
31	17.133	2401	2407	2417	rVB	307687	503245	6.20%	0.776%
32	17.321	2432	2439	2441	rBV	248952	436924	5.39%	0.673%
33	17.374	2441	2448	2453	rVV	4655783	8111755	100.00%	12.501%
34	17.456	2453	2462	2467	rVV	1780317	2572631	31.71%	3.965%
35	17.503	2467	2470	2476	rVB3	96882	151867	1.87%	0.234%
36	17.715	2495	2506	2511	rBV2	344905	643525	7.93%	0.992%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061092.D
Acq On : 2 May 2024 14:02
Operator : MA/JU
Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

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-BG043024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.832	2521	2526	2531	rBV3	85451	121099	1.49%	0.187%
38	17.897	2532	2537	2544	rVV4	65478	112711	1.39%	0.174%
39	18.038	2556	2561	2570	rVB	43857	90289	1.11%	0.139%
40	18.191	2577	2587	2591	rBV	417148	755325	9.31%	1.164%
41	18.243	2591	2596	2602	rVB	588673	913963	11.27%	1.408%
42	18.320	2603	2609	2614	rBV	265059	404625	4.99%	0.624%
43	18.390	2614	2621	2625	rVV3	840157	1468472	18.10%	2.263%
44	18.420	2625	2626	2632	rVB	269187	293074	3.61%	0.452%
45	18.496	2633	2639	2643	rBV5	36994	90522	1.12%	0.140%
46	18.690	2667	2672	2676	rBV	370109	486144	5.99%	0.749%
47	18.731	2676	2679	2684	rVB3	71295	98381	1.21%	0.152%
48	18.937	2710	2714	2718	rVB3	75216	96907	1.19%	0.149%
49	18.984	2718	2722	2726	rBV	71577	100164	1.23%	0.154%
50	19.025	2726	2729	2733	rVB	72710	98248	1.21%	0.151%
51	19.107	2733	2743	2747	rBV2	182730	377119	4.65%	0.581%
52	19.172	2751	2754	2757	rVB2	64678	84657	1.04%	0.130%
53	19.254	2763	2768	2775	rVB4	69776	152159	1.88%	0.234%
54	19.389	2782	2791	2795	rBV	4552016	7646043	94.26%	11.783%
55	19.430	2796	2798	2801	rVV2	69576	89954	1.11%	0.139%
56	19.471	2801	2805	2810	rVV2	104349	180270	2.22%	0.278%
57	19.518	2810	2813	2817	rVB2	106686	143568	1.77%	0.221%
58	19.612	2824	2829	2834	rVV2	144273	223571	2.76%	0.345%
59	19.748	2839	2852	2858	rVV2	3753920	7305589	90.06%	11.258%
60	19.806	2858	2862	2868	rVB2	188459	309218	3.81%	0.477%
61	19.930	2875	2883	2887	rBV2	680028	1183219	14.59%	1.823%
62	19.971	2887	2890	2896	rVB	195609	270131	3.33%	0.416%
63	20.053	2898	2904	2905	rBV	224711	345233	4.26%	0.532%
64	20.106	2911	2913	2917	rVB	76422	87804	1.08%	0.135%
65	20.194	2923	2928	2929	rBV3	116994	187771	2.31%	0.289%
66	20.229	2929	2934	2939	rVB	787399	1121480	13.83%	1.728%
67	20.329	2946	2951	2955	rBV	786446	1061623	13.09%	1.636%
68	20.382	2955	2960	2965	rVB2	269766	485233	5.98%	0.748%
69	20.464	2971	2974	2979	rVB3	78312	98146	1.21%	0.151%
70	20.523	2980	2984	2988	rBV	140338	205693	2.54%	0.317%
71	20.570	2988	2992	2996	rVV	154986	217711	2.68%	0.336%
72	20.817	3031	3034	3037	rBV2	70157	91602	1.13%	0.141%
73	20.934	3051	3054	3059	rBV2	87479	156686	1.93%	0.241%
74	20.987	3060	3063	3069	rVB4	93139	160318	1.98%	0.247%
75	21.164	3089	3093	3096	rBV	237845	325762	4.02%	0.502%
76	21.205	3096	3100	3104	rVB	245209	331177	4.08%	0.510%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061092.D
Acq On : 2 May 2024 14:02
Operator : MA/JU
Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

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-BG043024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.252	3104	3108	3113	rBV2	262814	475457	5.86%	0.733%
78	21.475	3142	3146	3150	rVB	245744	317259	3.91%	0.489%
79	21.563	3150	3161	3167	rBV3	1951629	4301088	53.02%	6.628%
80	21.628	3168	3172	3183	rVB	1597771	2663867	32.84%	4.105%
81	21.775	3192	3197	3203	rBV	313371	535207	6.60%	0.825%
82	21.969	3226	3230	3238	rVB2	183055	363081	4.48%	0.560%
83	22.292	3281	3285	3290	rVB	188747	334886	4.13%	0.516%
84	22.497	3316	3320	3325	rVB3	99844	178946	2.21%	0.276%
85	22.597	3335	3337	3346	rVB3	187333	318114	3.92%	0.490%
86	23.737	3520	3531	3537	rBV	717427	2701099	33.30%	4.163%
87	24.424	3641	3648	3662	rVB2	314577	1016630	12.53%	1.567%
88	24.571	3664	3673	3687	rVV	561695	1707592	21.05%	2.632%

Sum of corrected areas: 64889743

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
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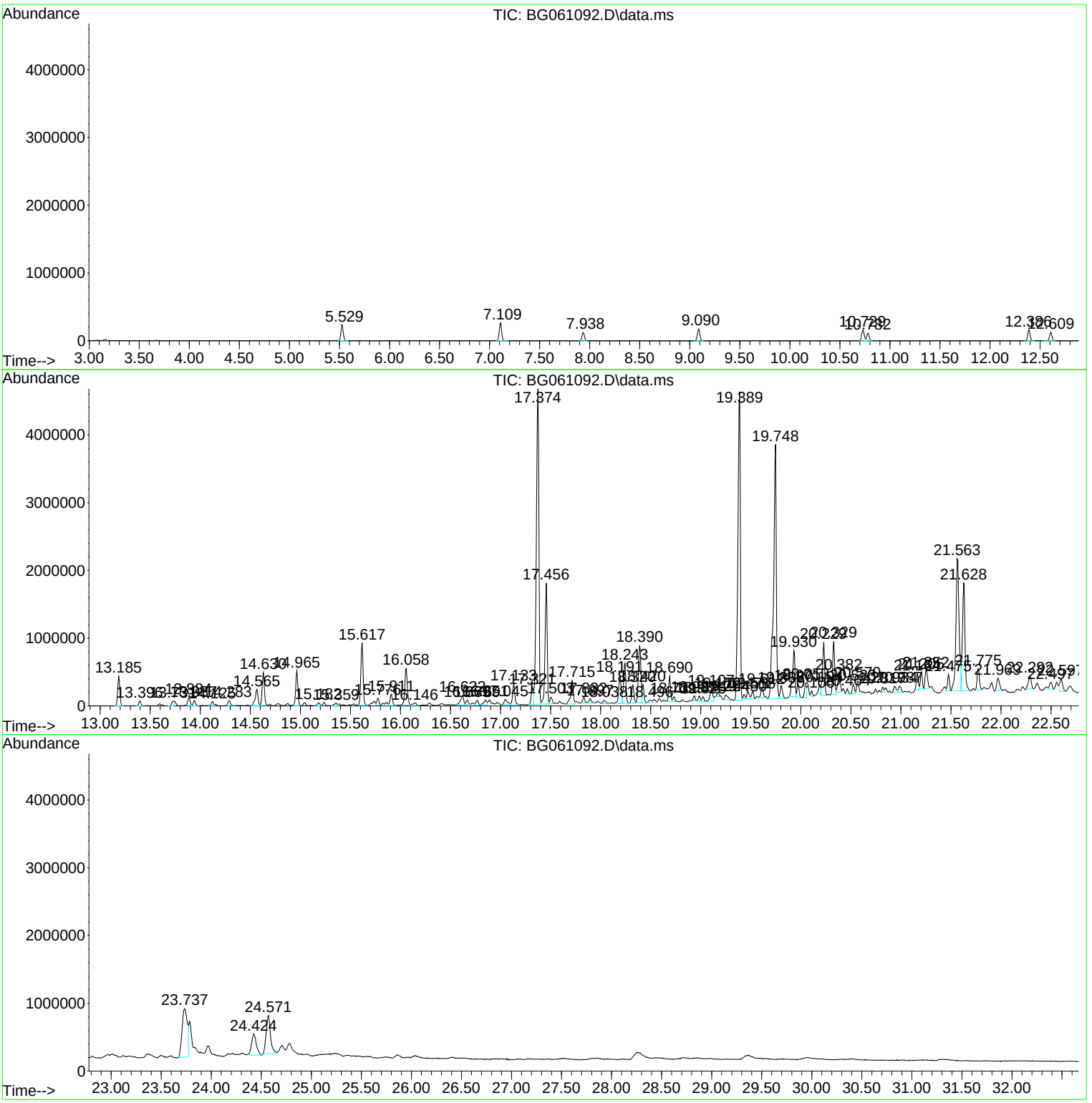
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.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\BG050224\
Data File : BG061092.D
Acq On : 2 May 2024 14:02
Operator : MA/JU
Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

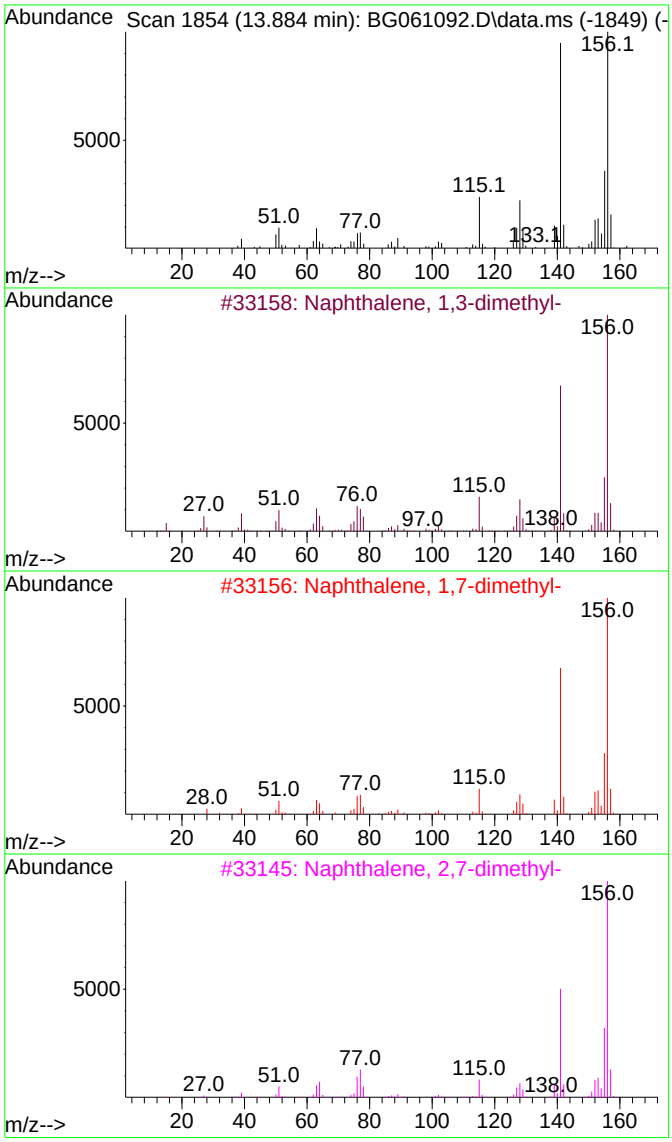
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

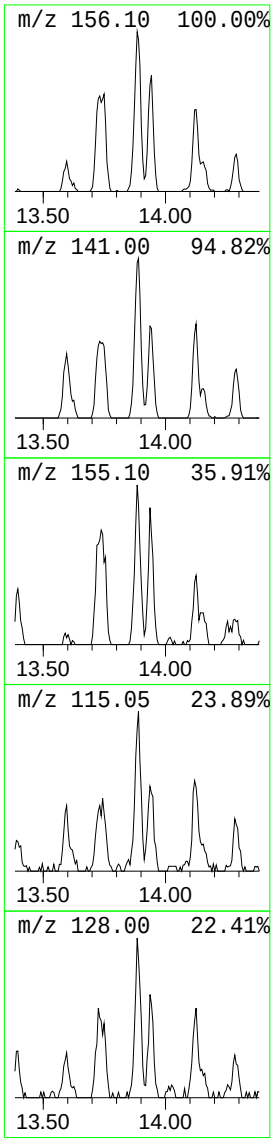
****

Peak Number 1 Naphthalene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.884	8.51 ng	196101	Acenaphthene-d10	14.565

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061092.D
Acq On : 2 May 2024 14:02
Operator : MA/JU
Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

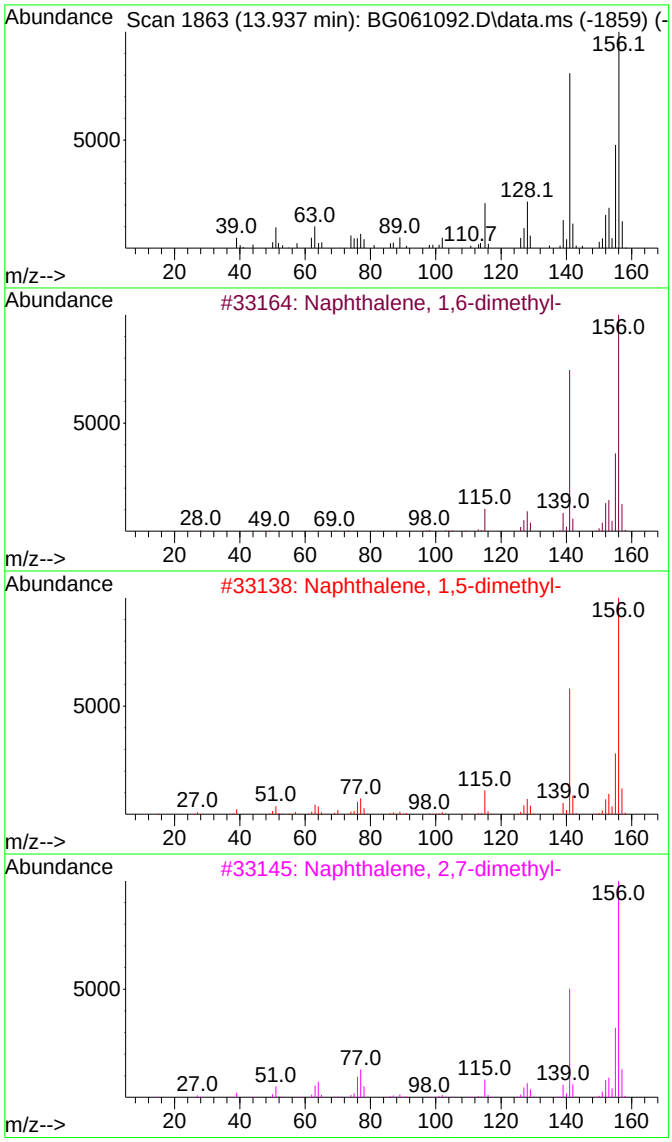
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

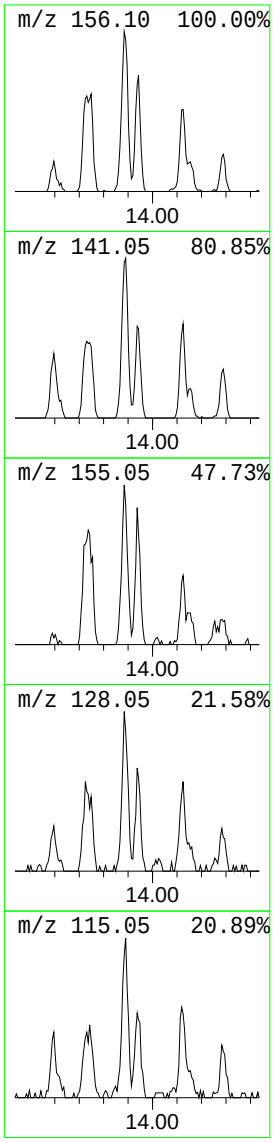
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.937	5.43 ng	125269	Acenaphthene-d10	14.565

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061092.D
Acq On : 2 May 2024 14:02
Operator : MA/JU
Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

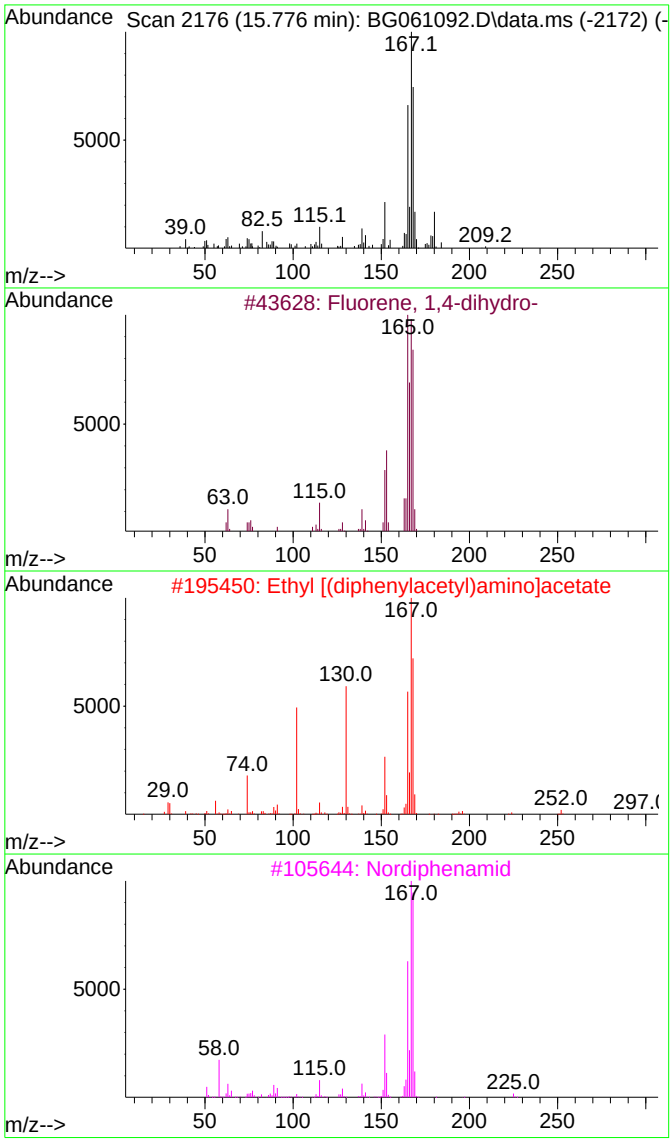
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

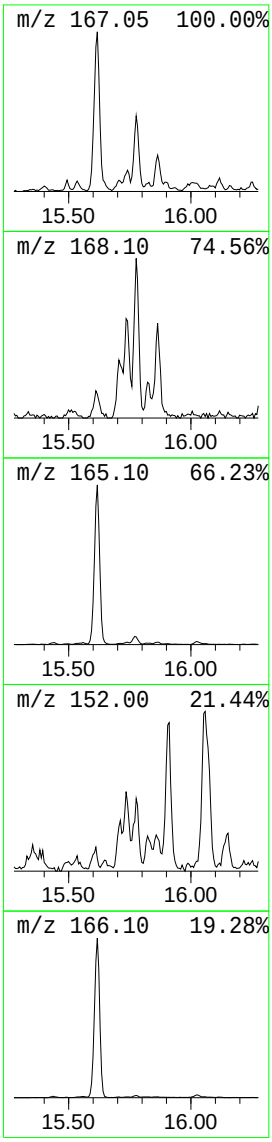
****

Peak Number 3 Fluorene, 1,4-dihydro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.776	6.37 ng	146799	Acenaphthene-d10	14.565

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	86
2	Ethyl [(diphenylacetyl)amino]ace...	297	C18H19NO3	006325-31-1	78
3	Nordiphenamid	225	C15H15NO	000954-21-2	78
4	Diphenylmethane	168	C13H12	000101-81-5	68
5	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061092.D
Acq On : 2 May 2024 14:02
Operator : MA/JU
Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

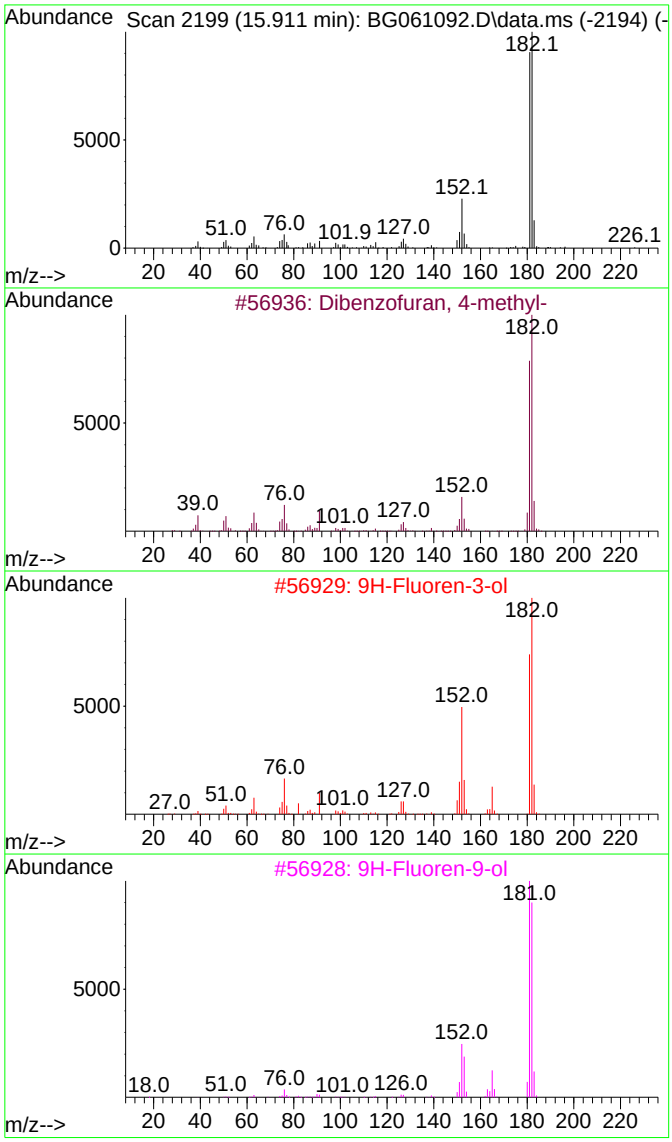
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

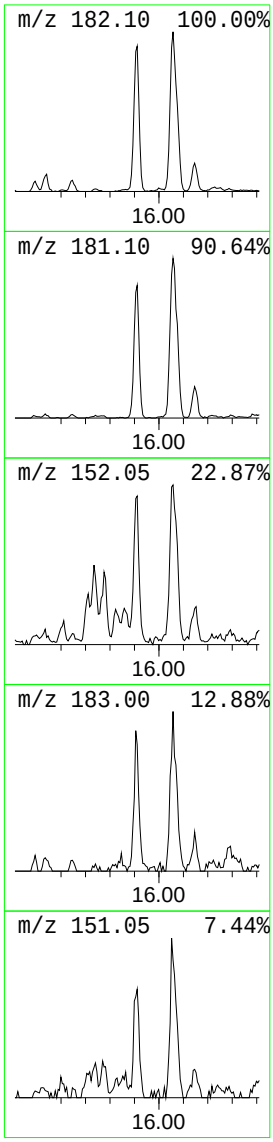
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.911	11.59 ng	267225	Acenaphthene-d10	14.565

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061092.D
Acq On : 2 May 2024 14:02
Operator : MA/JU
Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

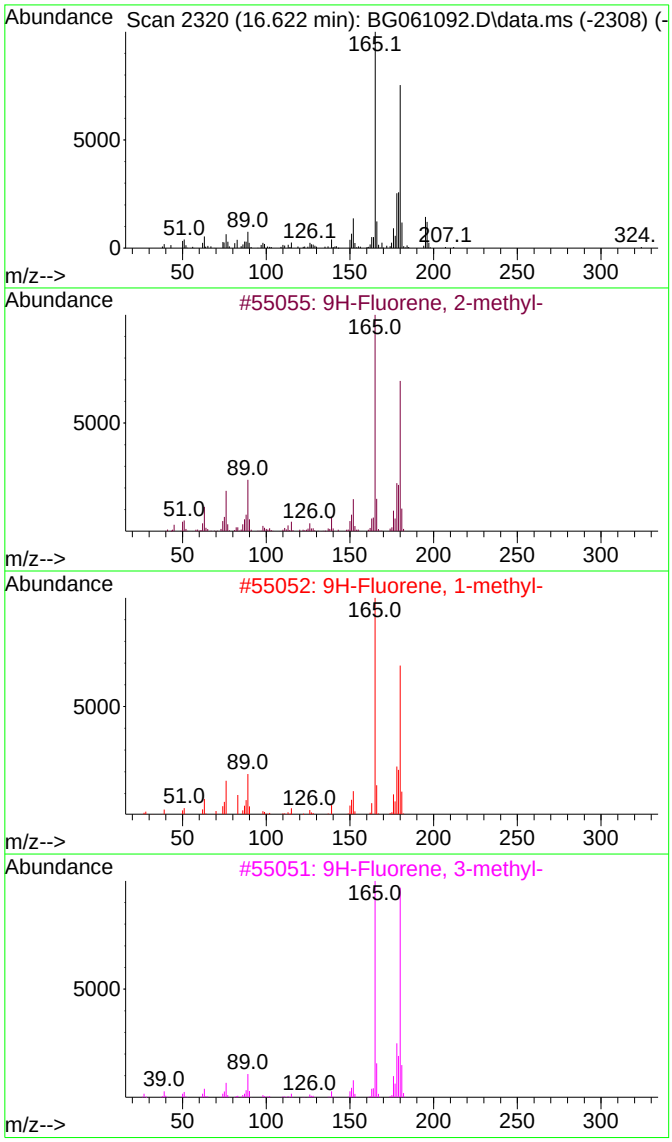
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

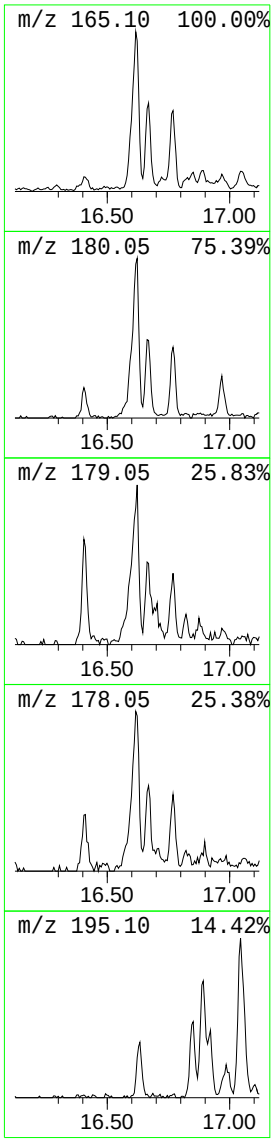
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.622	13.99 ng	305537	Phenanthrene-d10	17.321

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	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061092.D
Acq On : 2 May 2024 14:02
Operator : MA/JU
Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

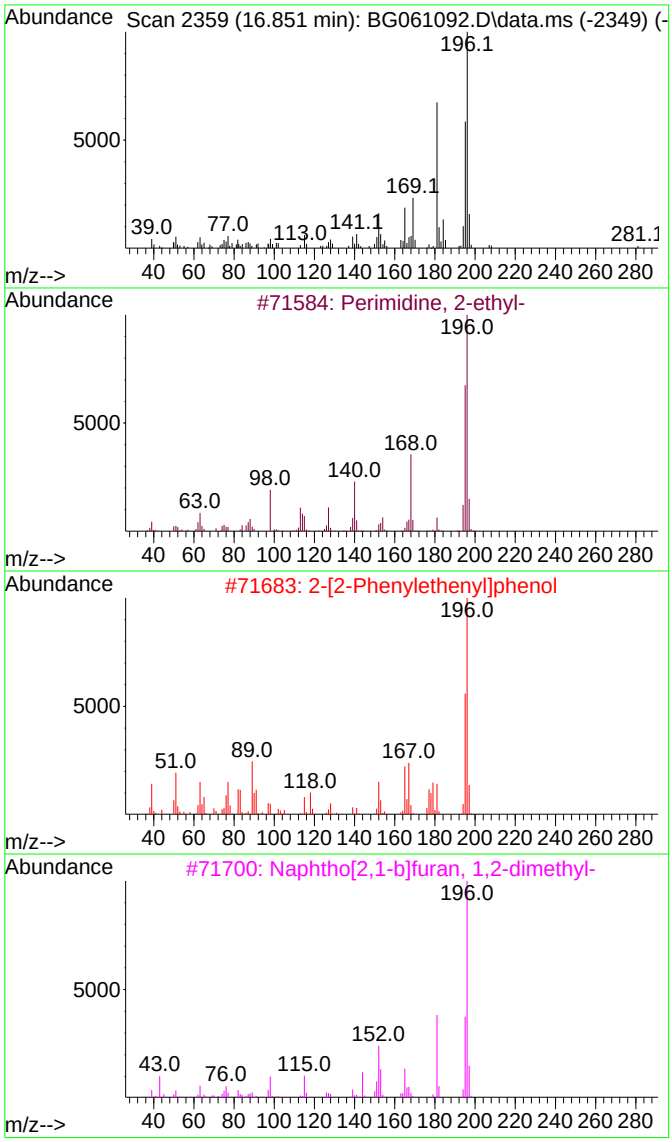
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

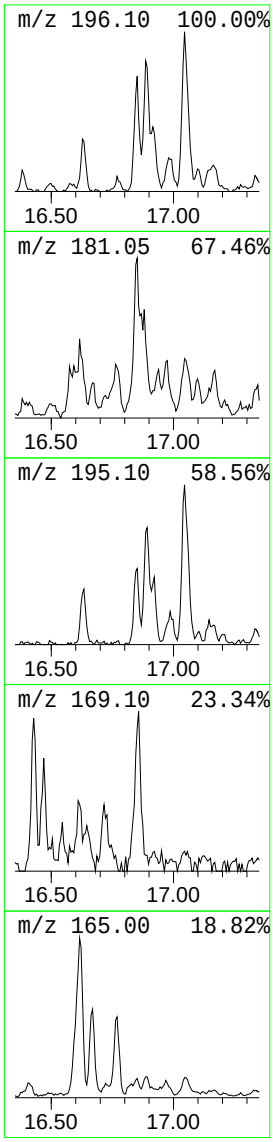
****

Peak Number 6 Perimidine, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.851	7.04 ng	153886	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	53
2	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	52
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	52
4	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	49
5	phenol, 2-[(ethylamino)methyl]-4...	196	C9H12N2O3	1000400-09-7	49





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Acq On : 2 May 2024 14:02
Operator : MA/JU
Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

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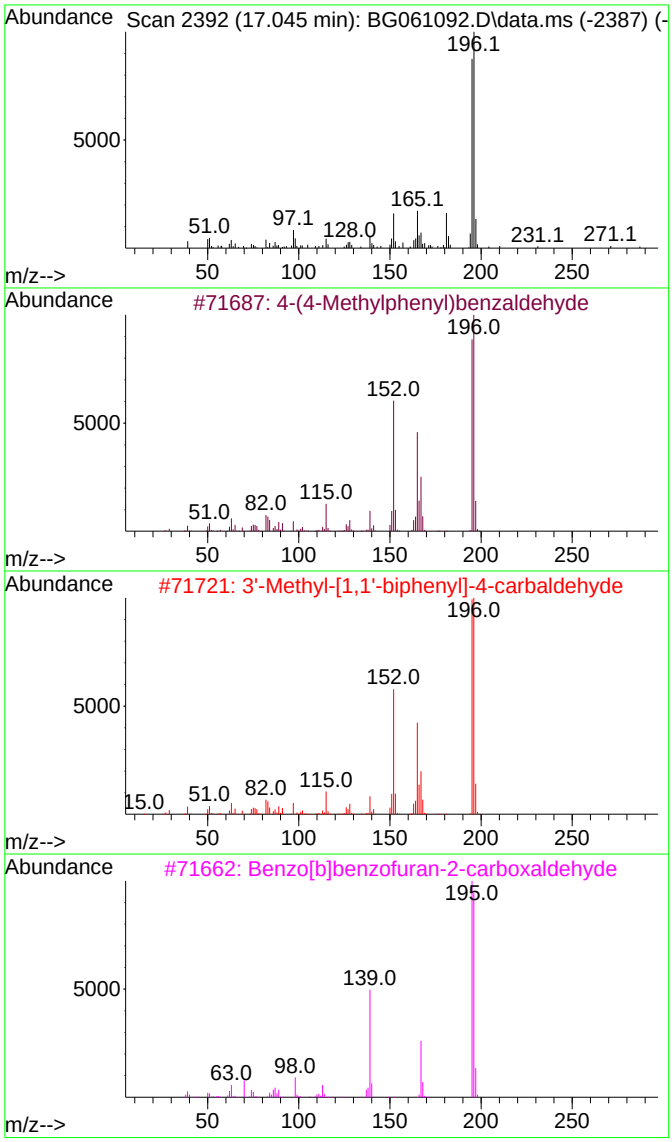
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

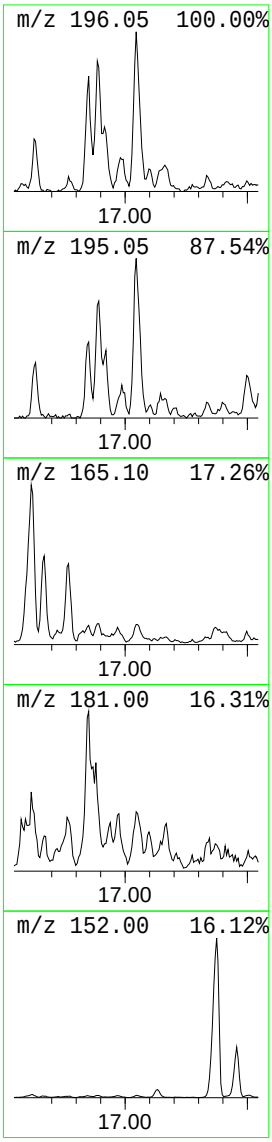
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4-(4-Methylphenyl)benzaldehyde Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.045	8.70 ng	190067	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	90
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	90
3	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	74
4	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	64
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58





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Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
H-4(0.5-1.5)

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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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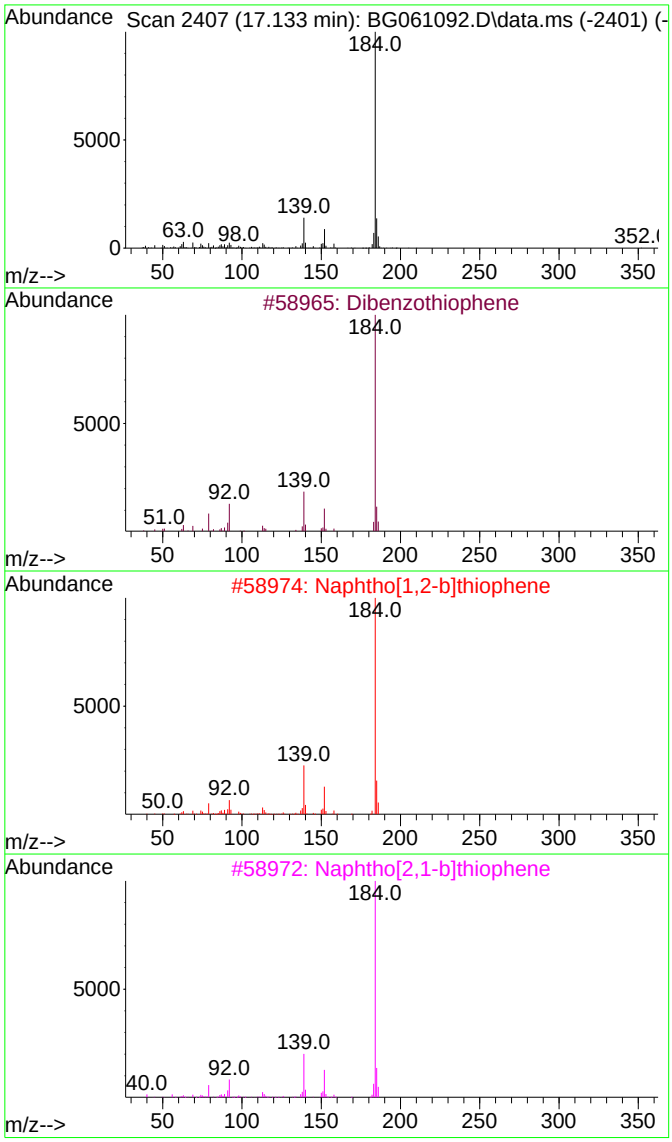
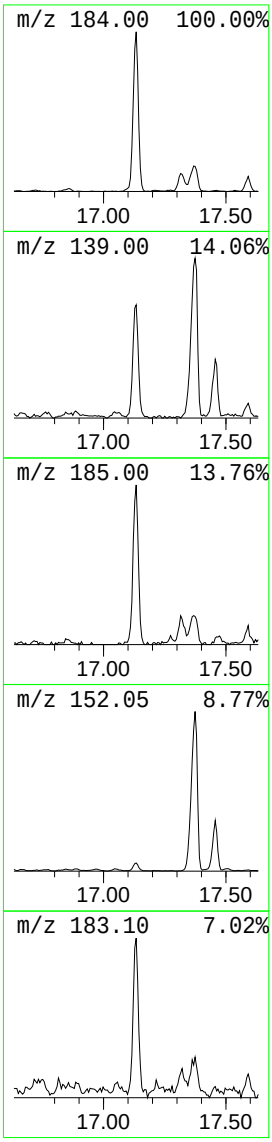
Peak Number 8 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.133	23.04 ng	503245	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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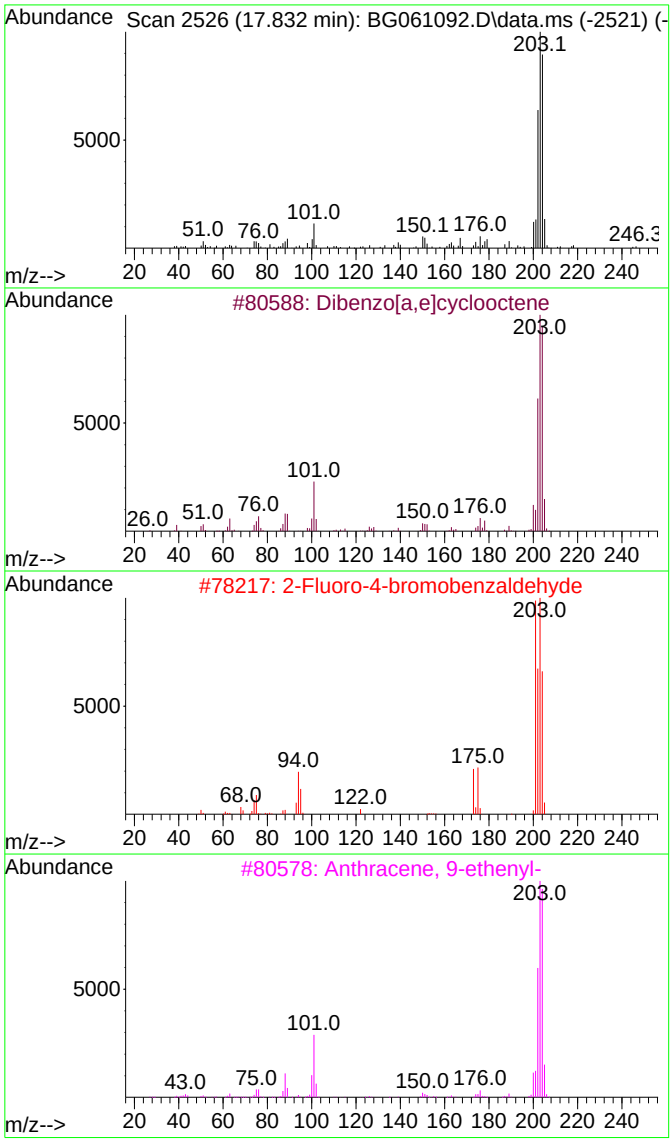
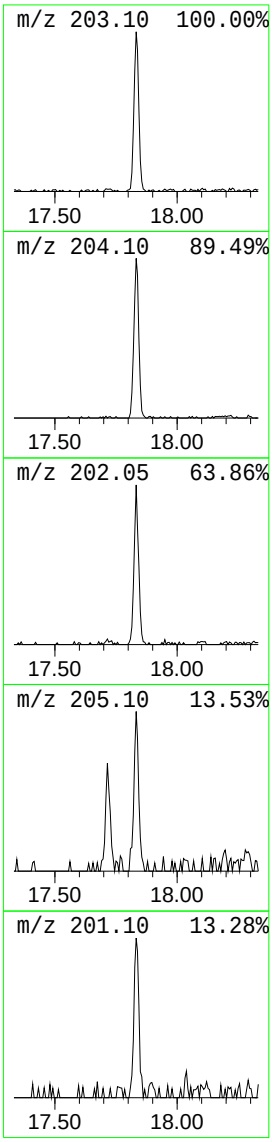
Peak Number 9 Dibenzo[a,e]cyclooctene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.832	5.54 ng	121099	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
2	2-Fluoro-4-bromobenzaldehyde	202	C7H4BrFO	057848-46-1	80
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	76
5	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	74





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Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.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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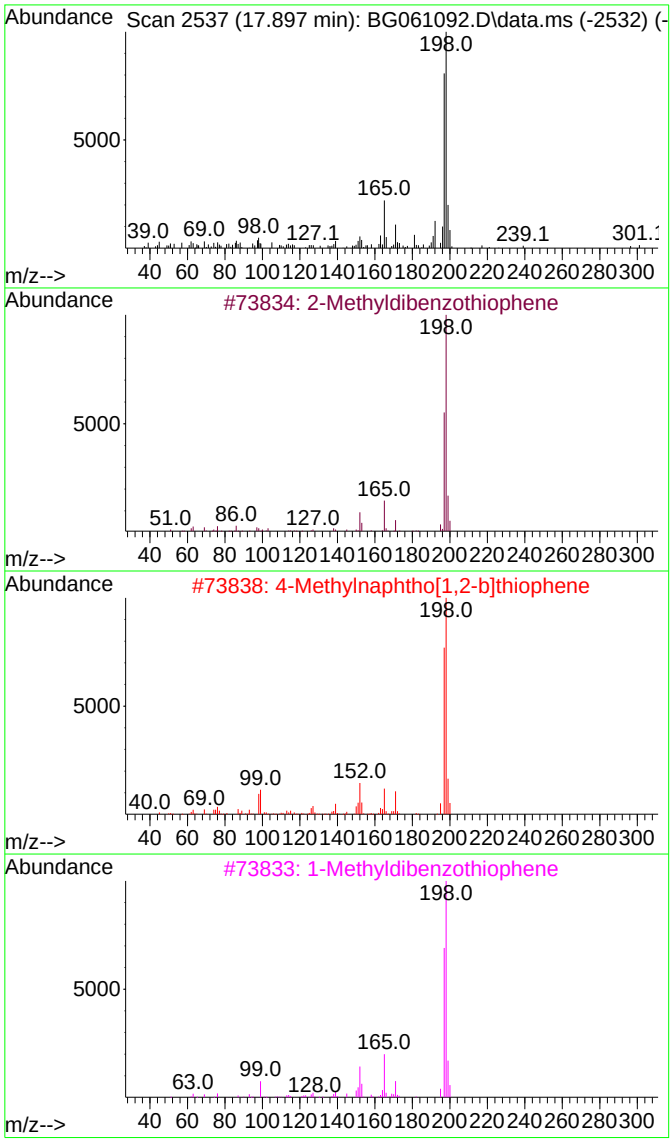
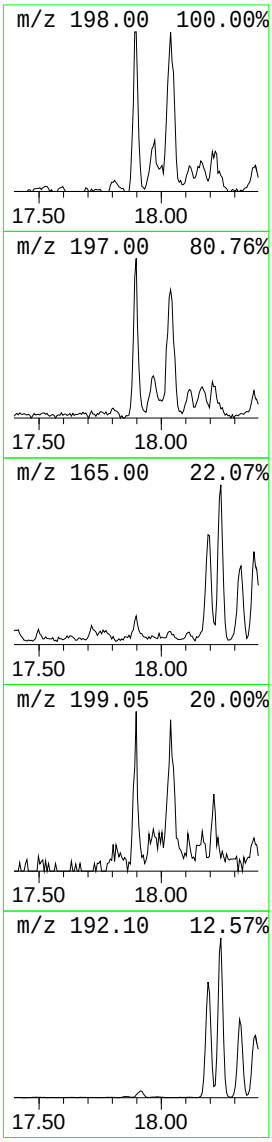
Peak Number 10 2-Methyldibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.897	5.16 ng	112711	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	76
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	72
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	Tacrine	198	C13H14N2	000321-64-2	59





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Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

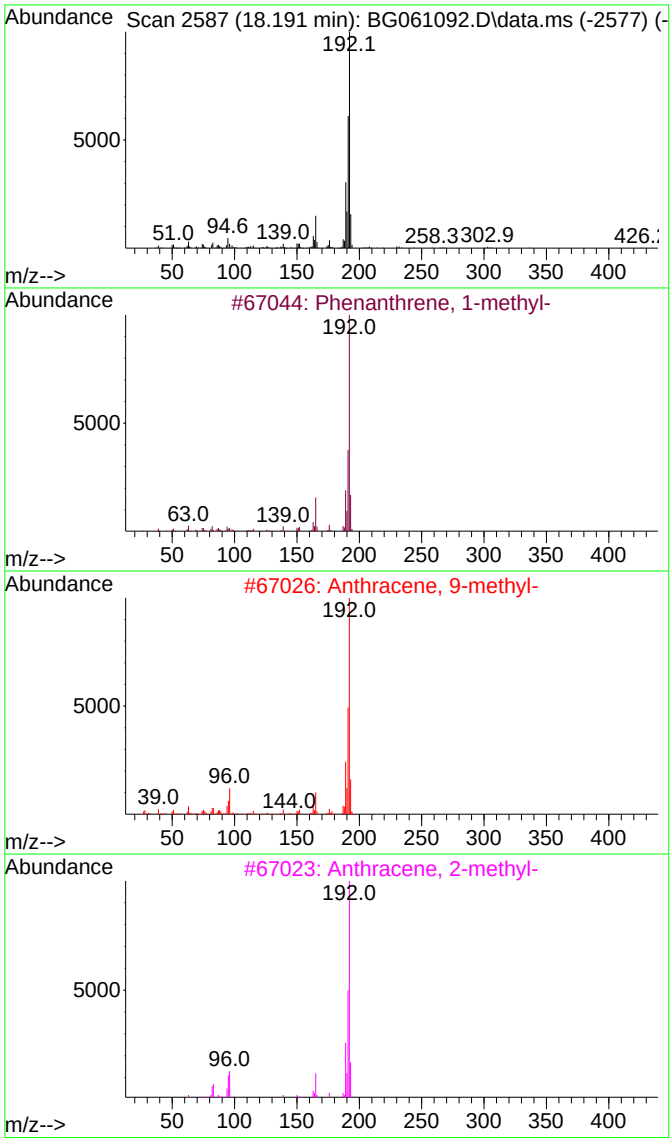
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

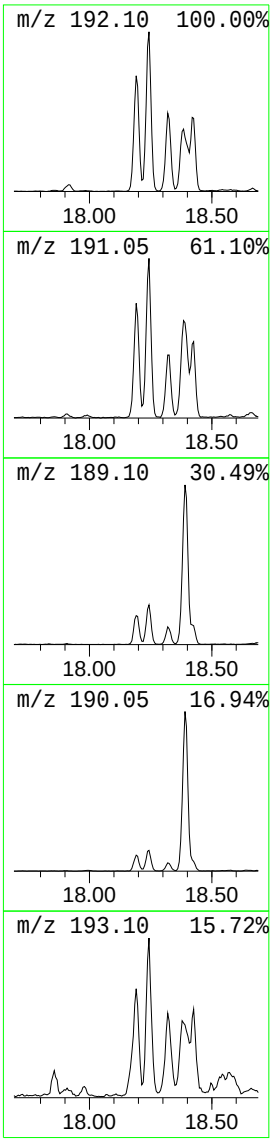
****

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.191	34.57 ng	755325	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Acq On : 2 May 2024 14:02
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Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.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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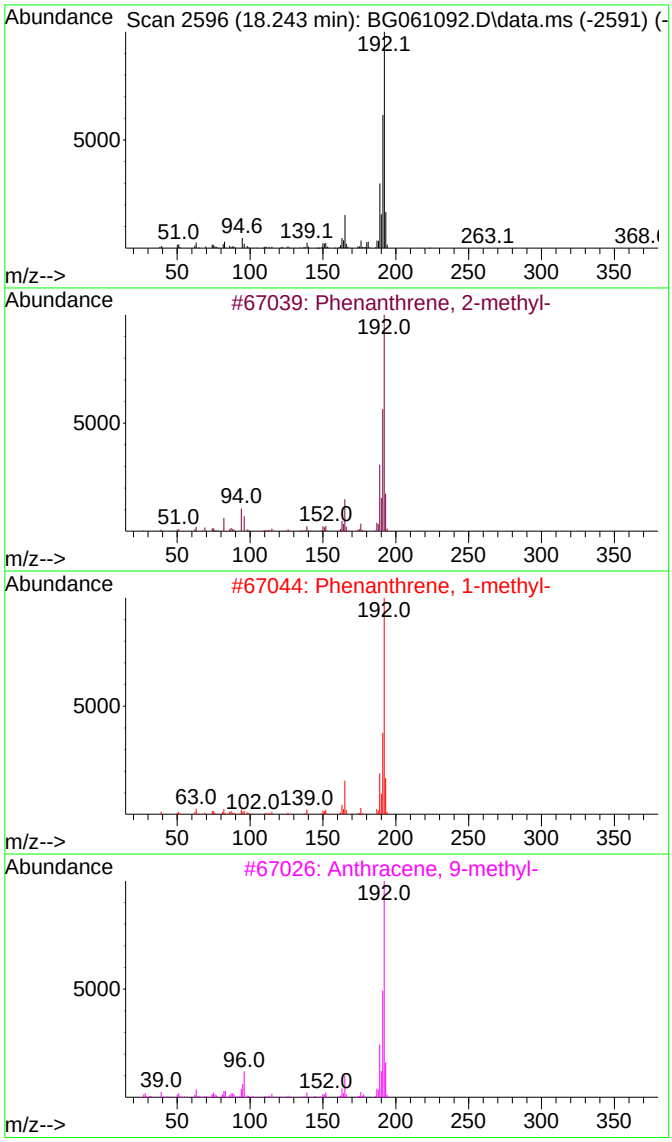
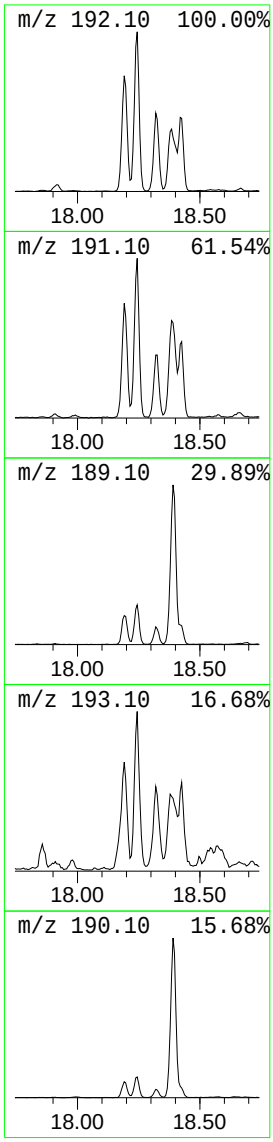
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.244	41.84 ng	913963	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

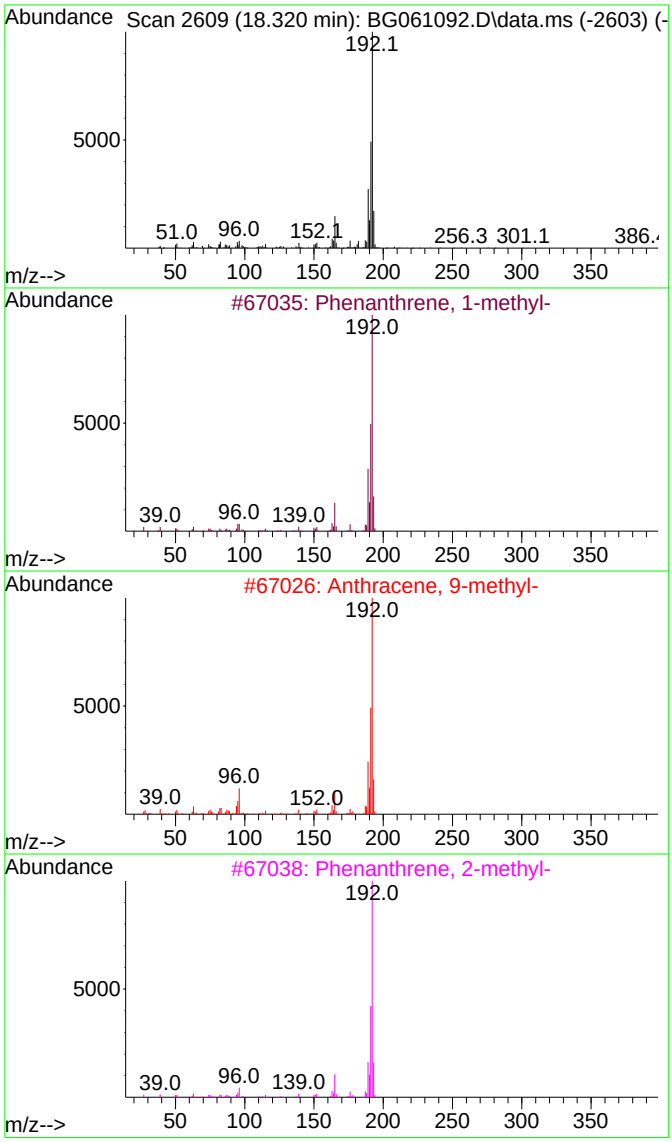
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

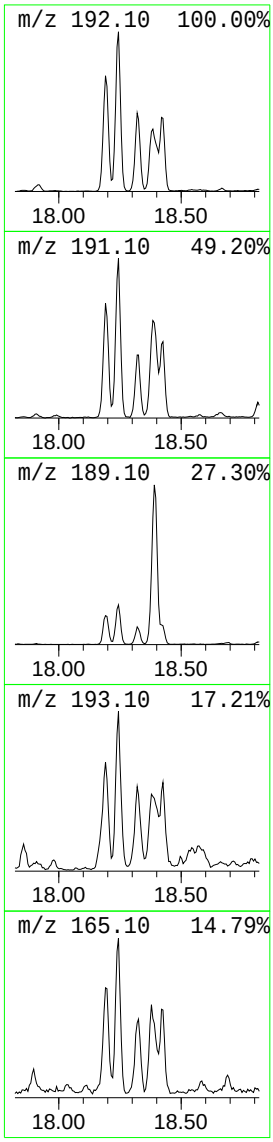
****

Peak Number 13 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.320	18.52 ng	404625	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
H-4(0.5-1.5)

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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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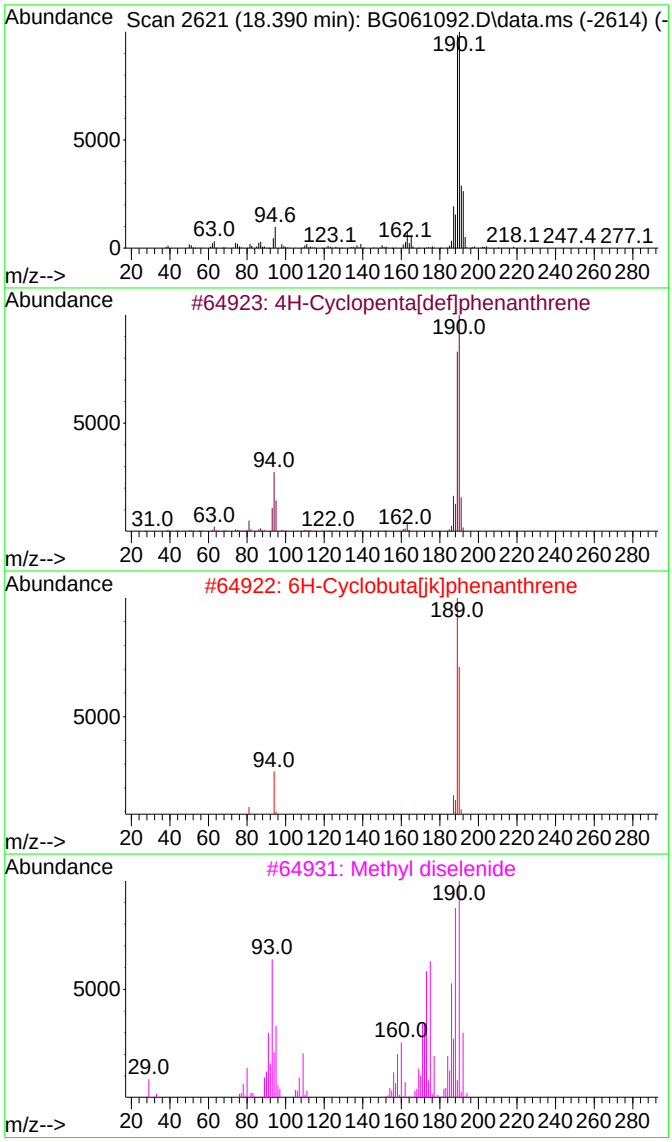
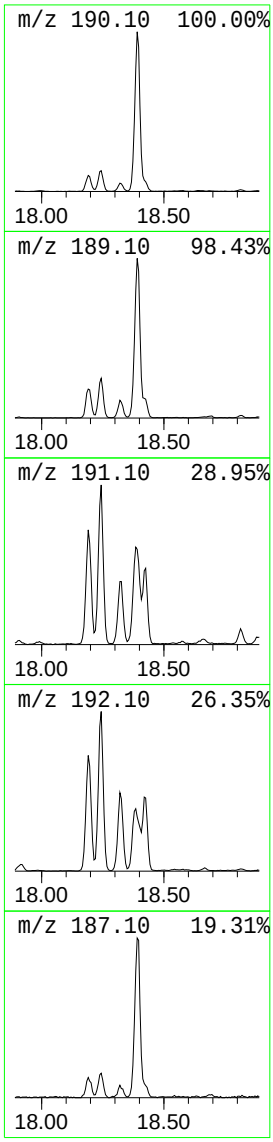
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.390	67.22 ng	1468470	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	38
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
5	Megastigmatrienone	190	C13H18O	038818-55-2	25





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H-4(0.5-1.5)

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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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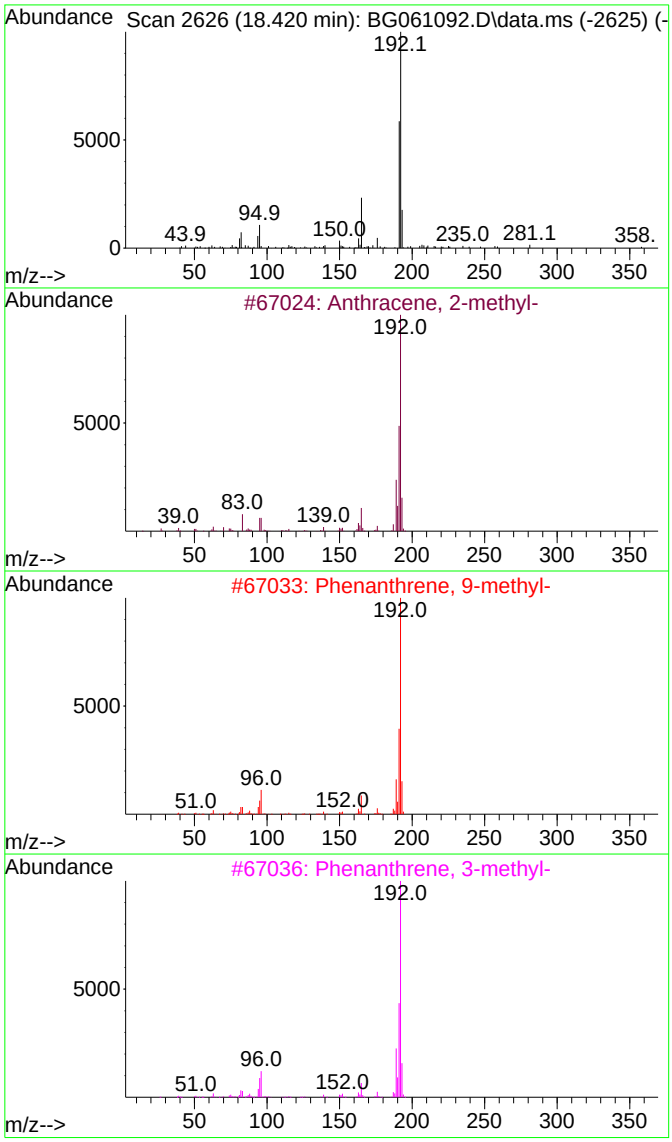
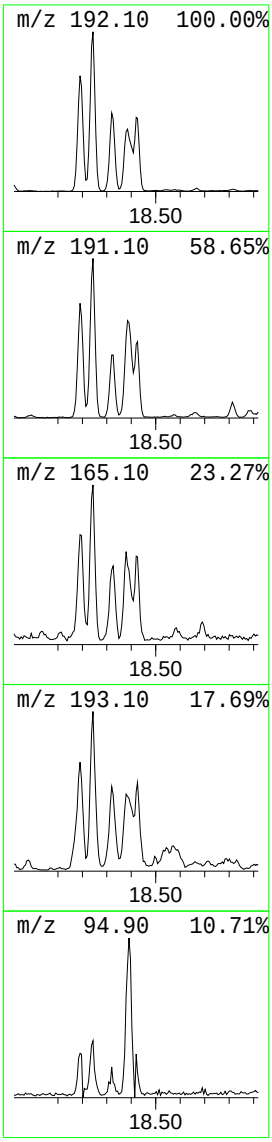
Peak Number 15 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.420	13.42 ng	293074	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	80
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	80
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	78





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Sample : P2330-21 2X
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ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.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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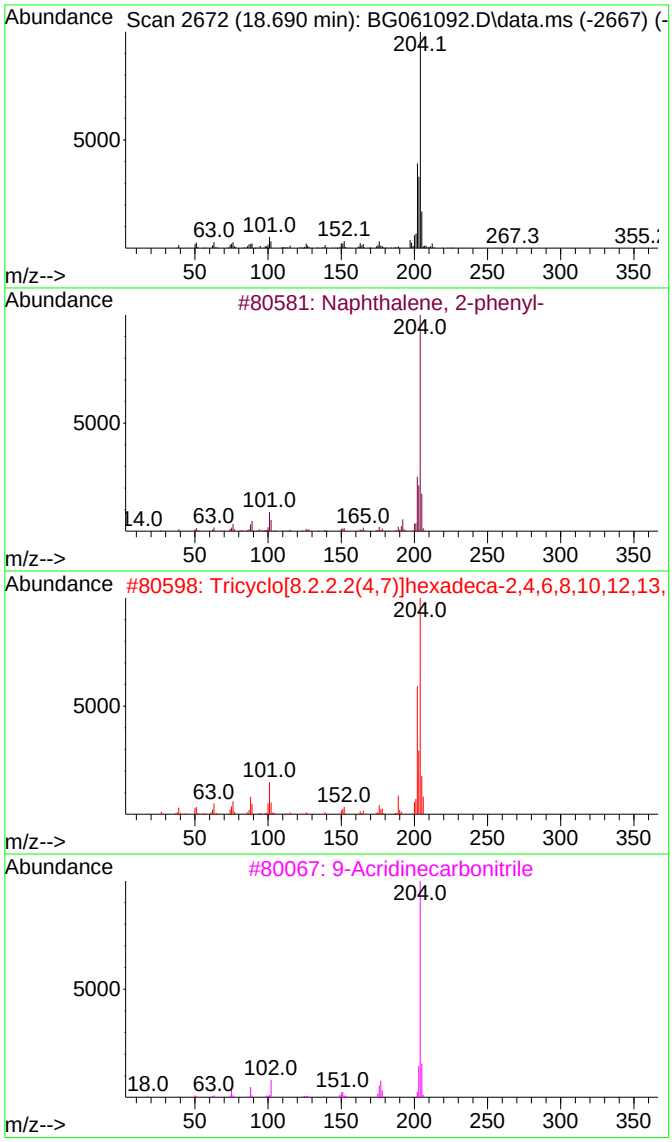
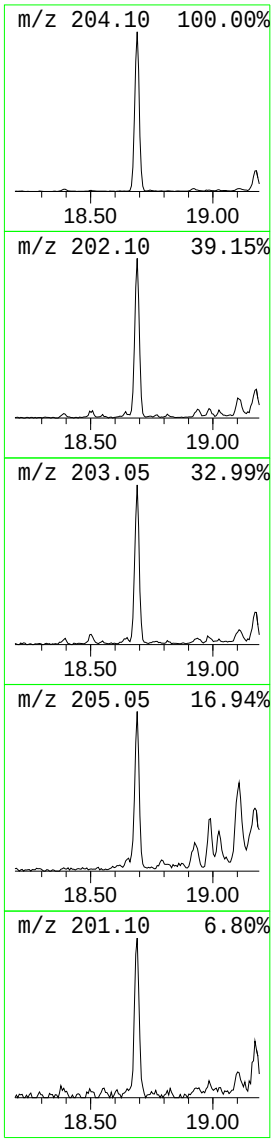
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.690	22.25 ng	486144	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
H-4(0.5-1.5)

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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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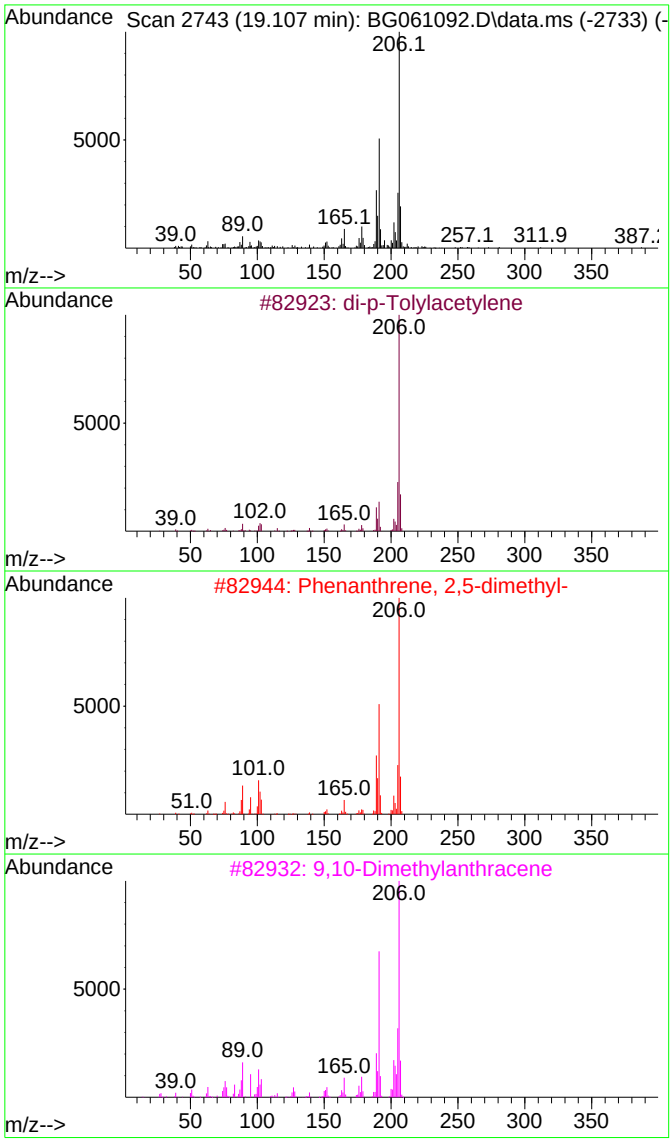
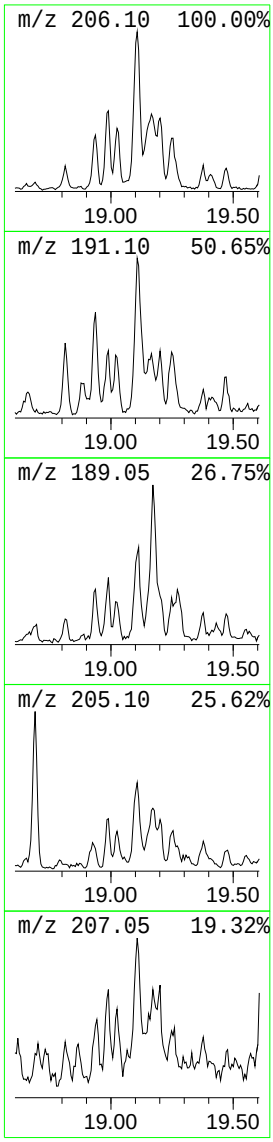
Peak Number 17 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.107	17.26 ng	377119	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061092.D
Acq On : 2 May 2024 14:02
Operator : MA/JU
Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.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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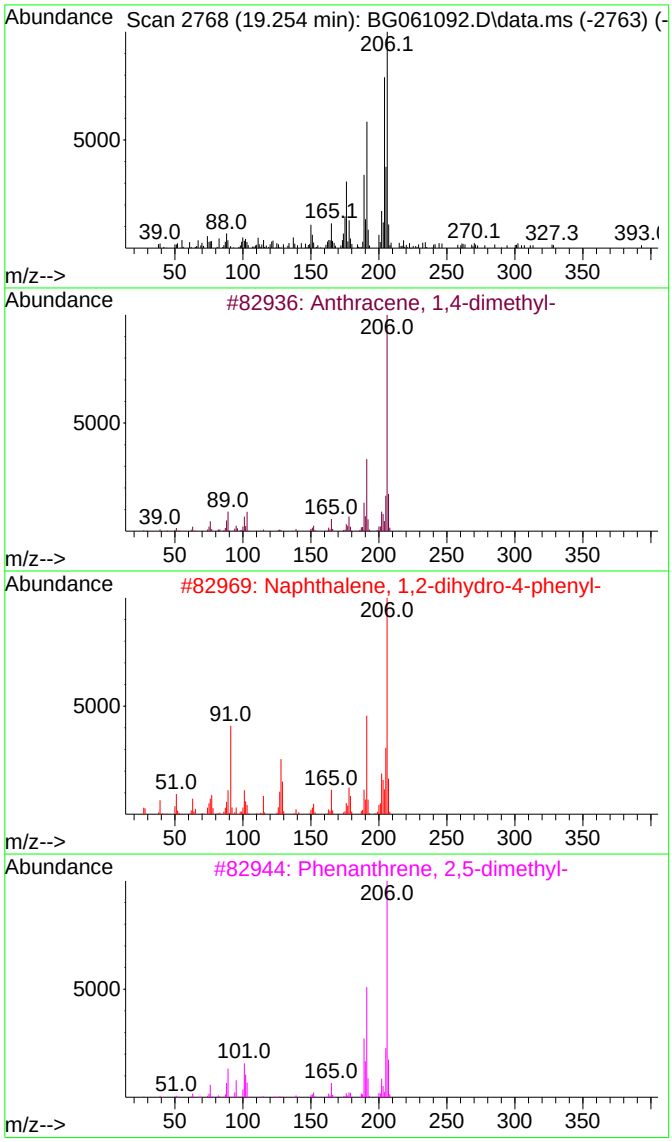
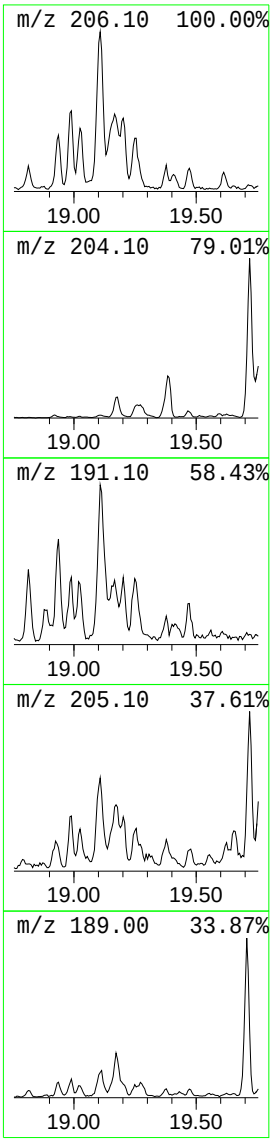
Peak Number 18 Anthracene, 1,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.254	6.97 ng	152159	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	55
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	55
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	49
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49
5	Benzene, 1-bromo-4-chloro-2-methyl-	204	C7H6BrCl	014495-51-3	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061092.D
Acq On : 2 May 2024 14:02
Operator : MA/JU
Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.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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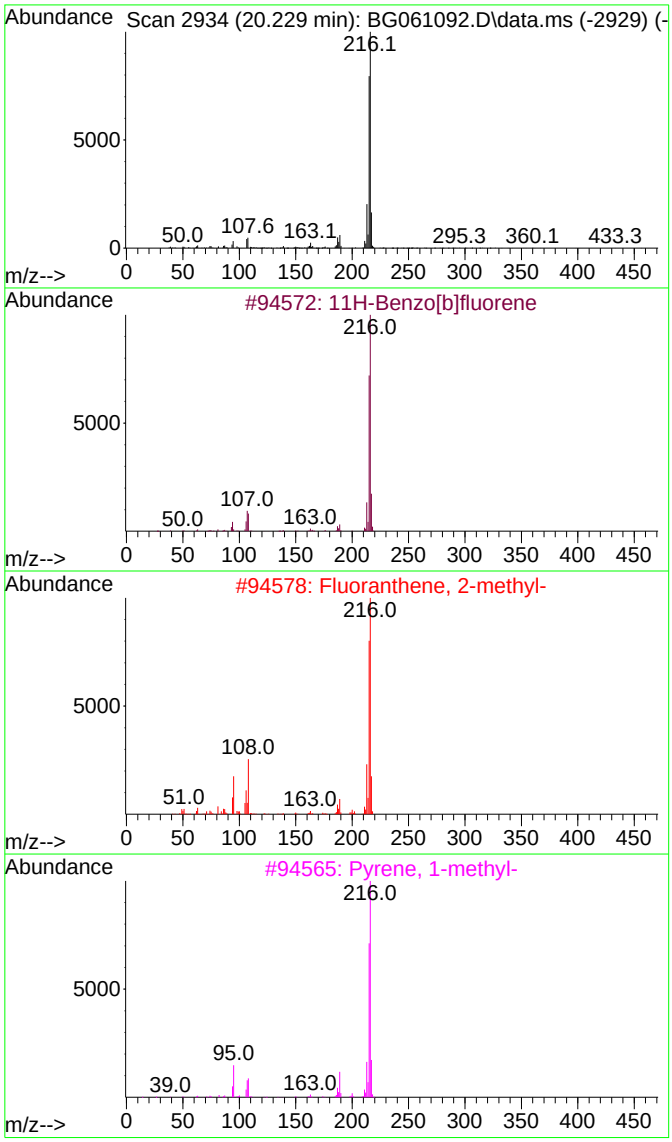
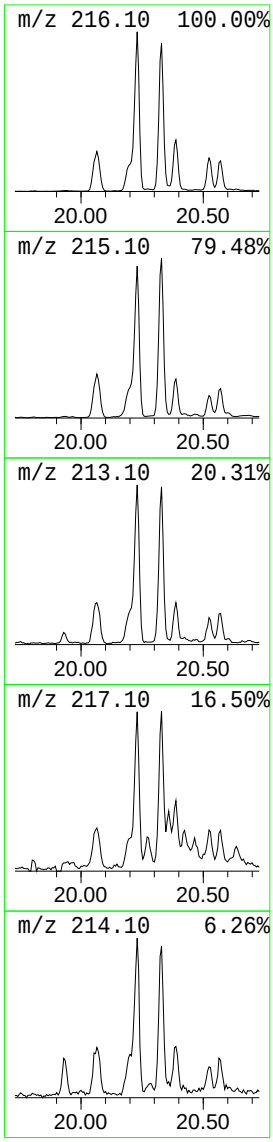
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.229	5.21 ng	1121480	Chrysene-d12	21.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061092.D
Acq On : 2 May 2024 14:02
Operator : MA/JU
Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.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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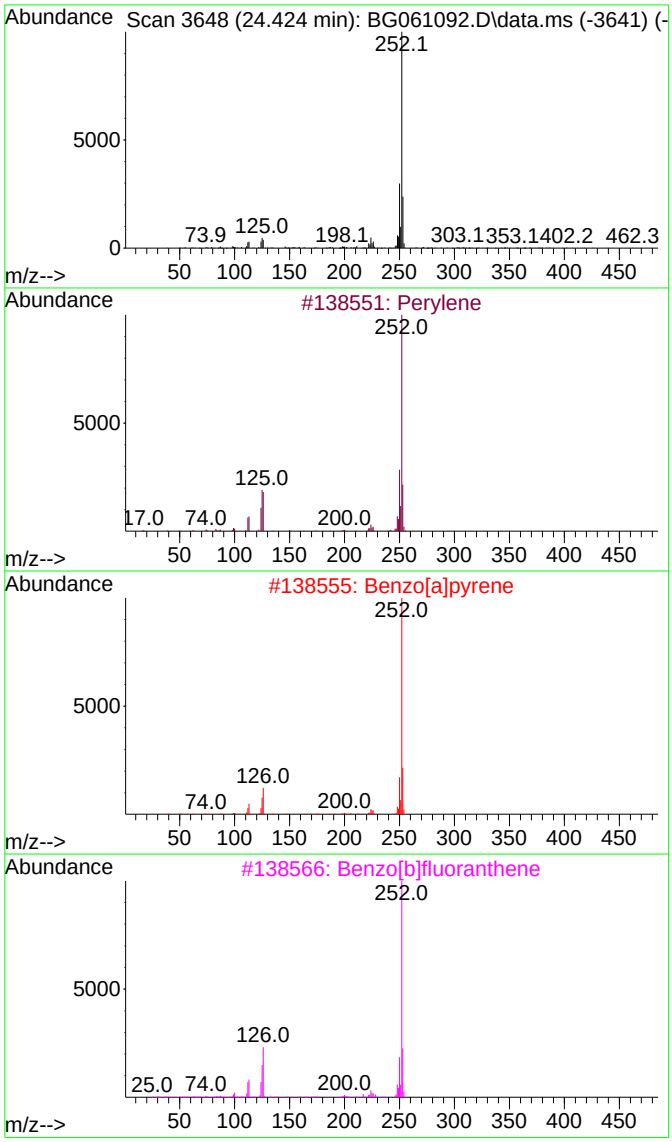
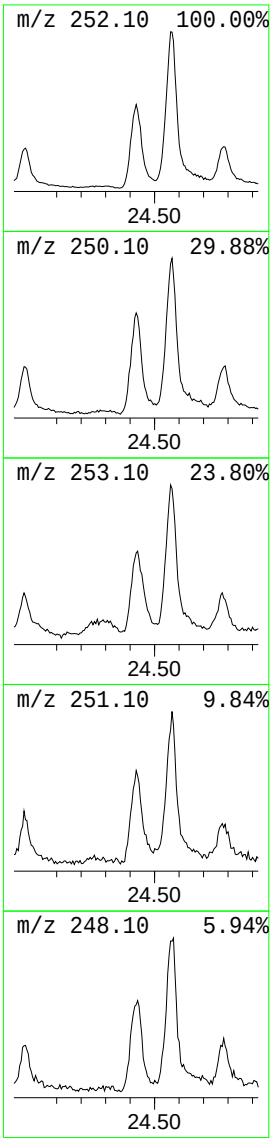
Peak Number 20 Perylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.424	11.91 ng	1016630	Perylene-d12	24.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	90
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[e]pyrene	252	C20H12	000192-97-2	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061092.D
Acq On : 2 May 2024 14:02
Operator : MA/JU
Sample : P2330-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-4(0.5-1.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.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,...	13.884	8.5	ng	196101	3	14.565	461049	20.0
Naphthalene, 1,...	13.937	5.4	ng	125269	3	14.565	461049	20.0
Fluorene, 1,4-d...	15.776	6.4	ng	146799	3	14.565	461049	20.0
Dibenzofuran, 4...	15.911	11.6	ng	267225	3	14.565	461049	20.0
9H-Fluorene, 2-...	16.622	14.0	ng	305537	4	17.321	436924	20.0
Perimidine, 2-e...	16.851	7.0	ng	153886	4	17.321	436924	20.0
4-(4-Methylphen...	17.045	8.7	ng	190067	4	17.321	436924	20.0
Dibenzothiophene	17.133	23.0	ng	503245	4	17.321	436924	20.0
Dibenzo[a,e]cyc...	17.832	5.5	ng	121099	4	17.321	436924	20.0
2-Methyldibenzo...	17.897	5.2	ng	112711	4	17.321	436924	20.0
Phenanthrene, 1...	18.191	34.6	ng	755325	4	17.321	436924	20.0
Phenanthrene, 2...	18.244	41.8	ng	913963	4	17.321	436924	20.0
Anthracene, 9-m...	18.320	18.5	ng	404625	4	17.321	436924	20.0
4H-Cyclopenta[d...	18.390	67.2	ng	1468470	4	17.321	436924	20.0
Anthracene, 2-m...	18.420	13.4	ng	293074	4	17.321	436924	20.0
Naphthalene, 2-...	18.690	22.3	ng	486144	4	17.321	436924	20.0
di-p-Tolylacety...	19.107	17.3	ng	377119	4	17.321	436924	20.0
Anthracene, 1,4...	19.254	7.0	ng	152159	4	17.321	436924	20.0
11H-Benzo[b]flu...	20.229	5.2	ng	1121480	5	21.581	4301090	20.0
Perylene	24.424	11.9	ng	1016630	6	24.712	1707590	20.0