LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030220\
Data File : BG044660.D
Acq On : 3 Mar 2020 10:41
Operator : CG/JU
Sample : L1743-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C-3

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-BG022420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.380	381	390	402	rBV	1009554	1688657	17.44%	1.415%
2	6.984	653	663	677	rBV	1036550	1806631	18.66%	1.514%
3	7.801	794	802	811	rBV	293419	502016	5.18%	0.421%
4	8.124	849	857	868	rBV	863979	1507616	15.57%	1.263%
5	8.965	987	1000	1012	rBV	623297	1168908	12.07%	0.979%
6	10.604	1272	1279	1285	rBV	412081	736935	7.61%	0.618%
7	12.490	1594	1600	1606	rVB	65060	101853	1.05%	0.085%
8	13.077	1693	1700	1711	rBV	1665488	2566827	26.51%	2.151%
9	13.777	1809	1819	1824	rBV	93217	174901	1.81%	0.147%
10	13.912	1836	1842	1847	rBV	143339	208372	2.15%	0.175%
11	14.176	1879	1887	1901	rBV	122889	236072	2.44%	0.198%
12	14.458	1926	1935	1940	rBV	630180	1020500	10.54%	0.855%
13	14.517	1940	1945	1953	rVB	234860	376751	3.89%	0.316%
14	14.858	1993	2003	2010	rBV2	167896	294075	3.04%	0.246%
15	15.081	2034	2041	2046	rBV2	51986	97819	1.01%	0.082%
16	15.251	2063	2070	2079	rBV2	47257	155991	1.61%	0.131%
17	15.504	2108	2113	2125	rVB2	327793	513584	5.30%	0.430%
18	15.804	2159	2164	2173	rVB	113871	207955	2.15%	0.174%
19	15.950	2182	2189	2197	rVV	1243855	1970418	20.35%	1.651%
20	16.039	2197	2204	2212	rVB3	42903	106356	1.10%	0.089%
21	16.185	2219	2229	2241	rVB7	71889	165722	1.71%	0.139%
22	16.509	2274	2284	2289	rBV3	92742	243318	2.51%	0.204%
23	16.561	2289	2293	2299	rVB2	65395	104717	1.08%	0.088%
24	16.744	2316	2324	2327	rVV3	77399	163556	1.69%	0.137%
25	16.785	2327	2331	2334	rVV2	87408	144285	1.49%	0.121%
26	16.855	2338	2343	2350	rVV2	173501	298486	3.08%	0.250%
27	16.938	2351	2357	2367	rVV5	83953	277914	2.87%	0.233%
28	17.020	2367	2371	2382	rVB	250291	425345	4.39%	0.356%
29	17.202	2396	2402	2405	rBV	641192	1030032	10.64%	0.863%
30	17.249	2405	2410	2416	rVV	3630127	5686798	58.73%	4.765%
31	17.337	2416	2425	2430	rVV	854849	1324220	13.68%	1.110%
32	17.396	2430	2435	2441	rVV2	90008	157047	1.62%	0.132%
33	17.601	2462	2470	2475	rBV2	294811	549777	5.68%	0.461%
34	17.719	2486	2490	2496	rVV2	115714	163213	1.69%	0.137%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1743-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C-3

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG022420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.784	2496	2501	2510	rVB2	146383	244259	2.52%	0.205%
36	17.925	2521	2525	2534	rVB	65839	118204	1.22%	0.099%
37	18.077	2546	2551	2555	rVV	601857	938876	9.70%	0.787%
38	18.130	2555	2560	2565	rVV	820726	1327153	13.71%	1.112%
39	18.207	2569	2573	2578	rVV	277745	412321	4.26%	0.346%
40	18.271	2578	2584	2589	rVV2	891459	1762365	18.20%	1.477%
41	18.312	2589	2591	2597	rVB	420517	490497	5.07%	0.411%
42	18.583	2632	2637	2640	rBV2	553563	796030	8.22%	0.667%
43	18.618	2640	2643	2654	rVB2	399002	620685	6.41%	0.520%
44	18.706	2655	2658	2664	rBV2	62514	97580	1.01%	0.082%
45	18.771	2665	2669	2675	rVV	1070287	1442656	14.90%	1.209%
46	18.829	2675	2679	2683	rVV	177627	268374	2.77%	0.225%
47	18.876	2684	2687	2690	rVV	180391	235801	2.44%	0.198%
48	18.918	2690	2694	2698	rVB2	134801	188206	1.94%	0.158%
49	19.000	2703	2708	2713	rVV	375204	676723	6.99%	0.567%
50	19.064	2713	2719	2722	rVV3	210229	474613	4.90%	0.398%
51	19.094	2722	2724	2727	rVV	125208	127625	1.32%	0.107%
52	19.141	2728	2732	2740	rVB2	321604	581216	6.00%	0.487%
53	19.270	2747	2754	2759	rBV	5200893	8548272	88.29%	7.163%
54	19.358	2766	2769	2774	rVV	147749	207071	2.14%	0.174%
55	19.411	2776	2778	2781	rVB2	149645	151308	1.56%	0.127%
56	19.464	2782	2787	2789	rBV3	126233	212504	2.19%	0.178%
57	19.505	2790	2794	2798	rVB	234186	311567	3.22%	0.261%
58	19.628	2804	2815	2822	rBV2	4557561	9208352	95.11%	7.716%
59	19.693	2822	2826	2832	rVB2	242151	405232	4.19%	0.340%
60	19.828	2840	2849	2853	rBV2	2313077	3558520	36.75%	2.982%
61	19.863	2853	2855	2860	rVB	351585	406861	4.20%	0.341%
62	19.946	2862	2869	2876	rBV3	427135	1308938	13.52%	1.097%
63	20.087	2888	2893	2894	rBV4	270801	419188	4.33%	0.351%
64	20.116	2895	2898	2902	rVB	741991	1011331	10.45%	0.847%
65	20.216	2911	2915	2919	rBV	462420	655907	6.77%	0.550%
66	20.275	2921	2925	2930	rVB2	543076	829948	8.57%	0.695%
67	20.416	2945	2949	2952	rBV	330491	436228	4.51%	0.366%
68	20.457	2952	2956	2960	rVV	364216	532180	5.50%	0.446%
69	20.516	2963	2966	2971	rVB2	333741	401984	4.15%	0.337%
70	20.674	2990	2993	2996	rBV2	152820	217108	2.24%	0.182%
71	20.868	3022	3026	3032	rVB	562463	851016	8.79%	0.713%

LSC Area Percent Report

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Sample : L1743-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C-3

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
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	21.039	3050	3055	3059	rBV3	483457	878407	9.07%	0.736%
73	21.080	3059	3062	3066	rVV	530200	756300	7.81%	0.634%
74	21.127	3066	3070	3075	rVV2	673256	1259661	13.01%	1.056%
75	21.185	3076	3080	3089	rVB2	558668	954493	9.86%	0.800%
76	21.362	3103	3110	3114	rBV	6577775	9682203	100.00%	8.113%
77	21.432	3116	3122	3128	rVV3	3105557	6729912	69.51%	5.639%
78	21.491	3128	3132	3144	rVB	2766194	4753102	49.09%	3.983%
79	21.632	3152	3156	3163	rBV2	398408	672002	6.94%	0.563%
80	21.832	3185	3190	3196	rBV2	344925	663510	6.85%	0.556%
81	22.137	3239	3242	3248	rVB	497223	841141	8.69%	0.705%
82	22.202	3250	3253	3261	rVB2	282196	540125	5.58%	0.453%
83	22.396	3282	3286	3290	rBV	221144	409016	4.22%	0.343%
84	23.530	3469	3479	3486	rBV	2033414	6776306	69.99%	5.678%
85	23.759	3513	3518	3526	rVB	409588	867517	8.96%	0.727%
86	24.200	3586	3593	3605	rVB	1260049	3600548	37.19%	3.017%
87	24.346	3608	3618	3628	rVB	1753358	4772684	49.29%	3.999%
88	24.476	3634	3640	3645	rBV2	384119	947209	9.78%	0.794%
89	24.546	3647	3652	3666	rVB2	567981	1596103	16.48%	1.337%
90	27.919	4214	4226	4245	rVB3	721221	3367186	34.78%	2.822%
91	28.976	4393	4406	4432	rVB	530241	2617009	27.03%	2.193%

Sum of corrected areas: 119337800

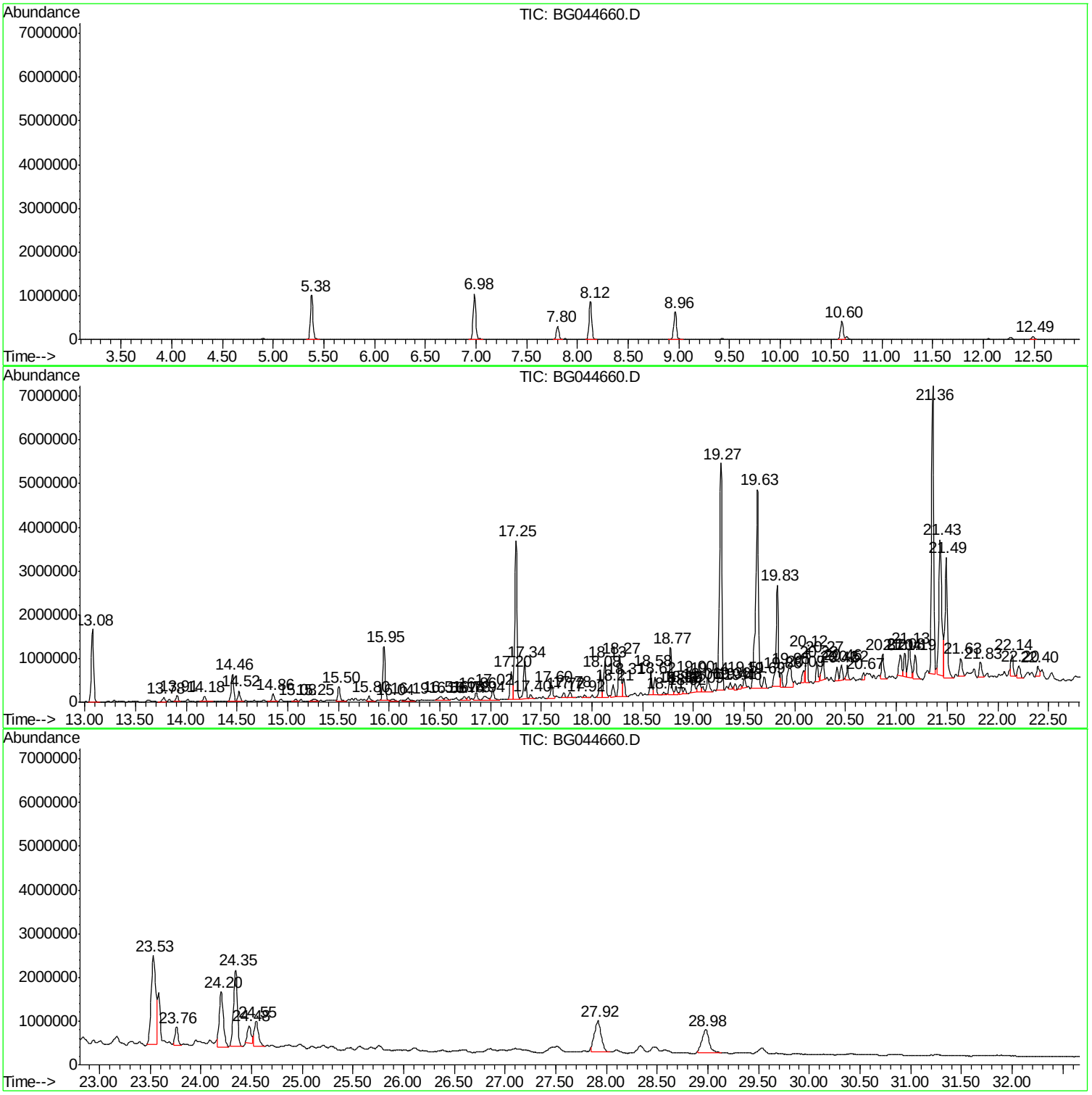
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030220\
Data File : BG044660.D
Acq On : 3 Mar 2020 10:41
Operator : CG/JU
Sample : L1743-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030220\
Data File : BG044660.D
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Instrument : BNA_G
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

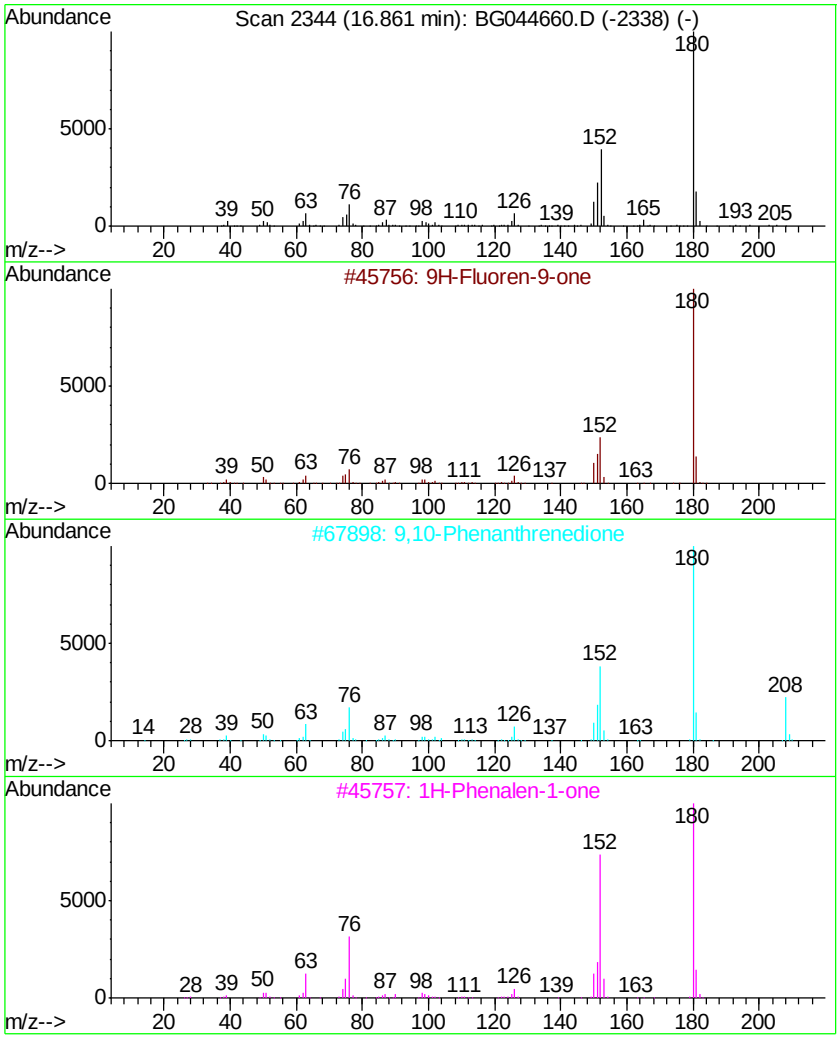
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

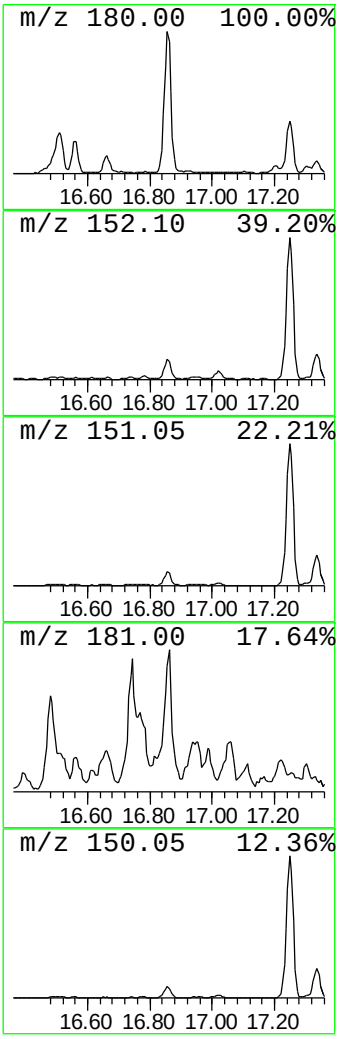
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	5.80 ng	298486	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
5	Diphenic anhydride	224	C14H8O3	006050-13-1	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030220\
Data File : BG044660.D
Acq On : 3 Mar 2020 10:41
Operator : CG/JU
Sample : L1743-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

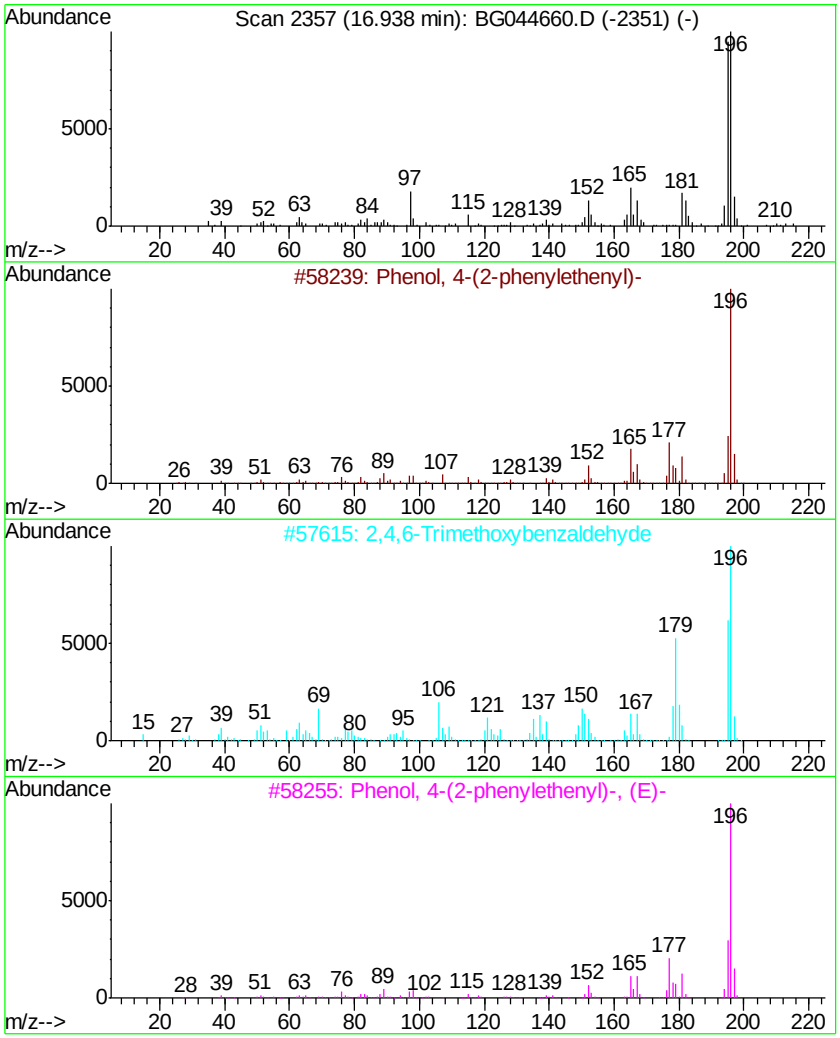
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

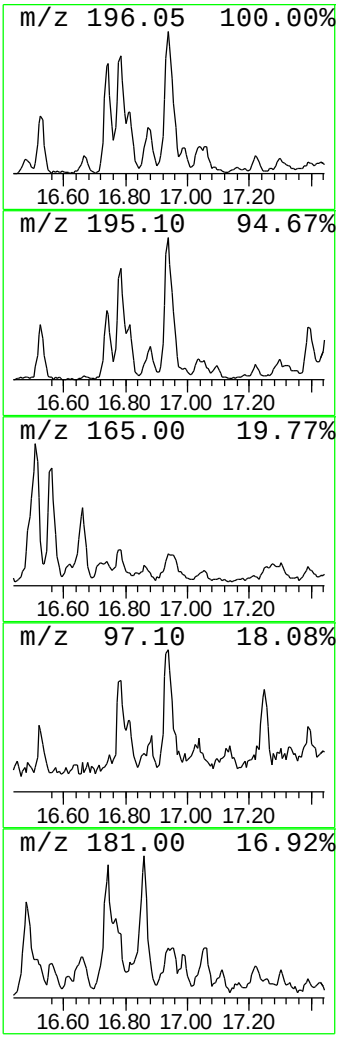
****

Peak Number 3 Phenol, 4-(2-phenylethenyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	5.40 ng	277914	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	70
2	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	59
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
4	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	47





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Sample : L1743-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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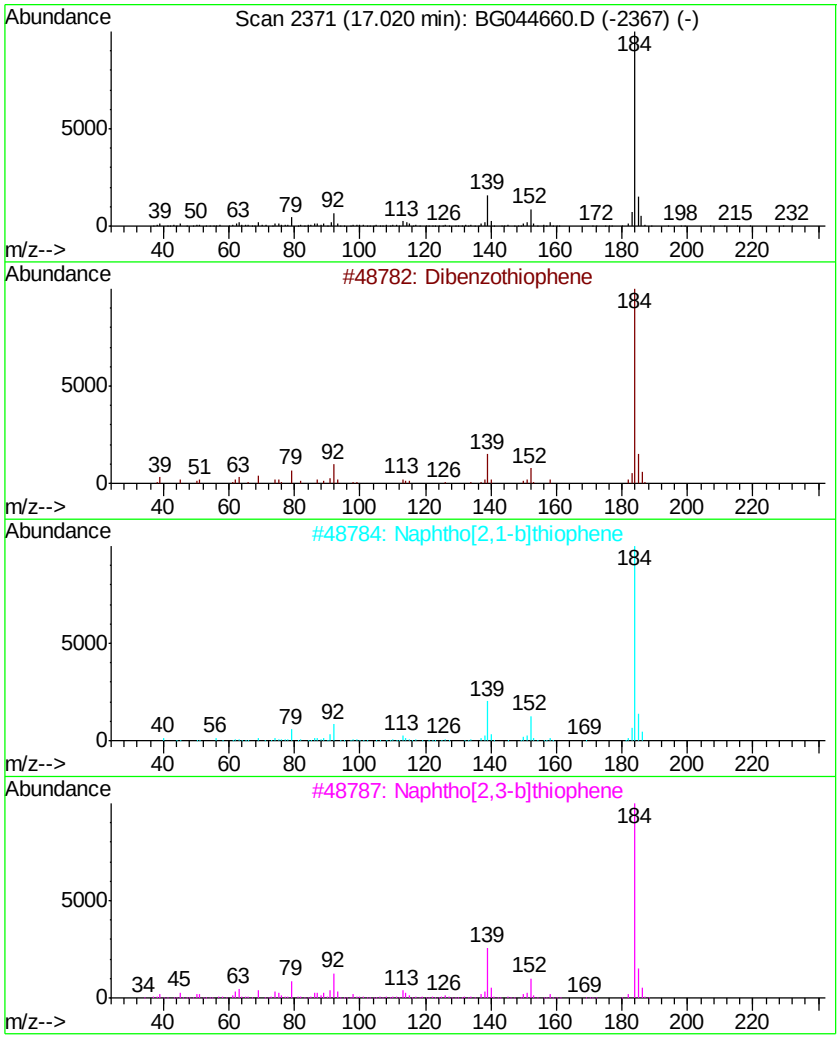
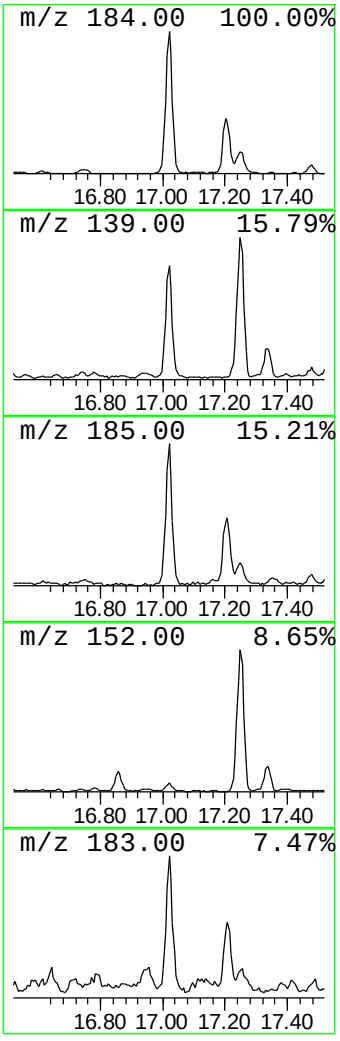
Peak Number 4 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	8.26 ng	425345	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030220\
Data File : BG044660.D
Acq On : 3 Mar 2020 10:41
Operator : CG/JU
Sample : L1743-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

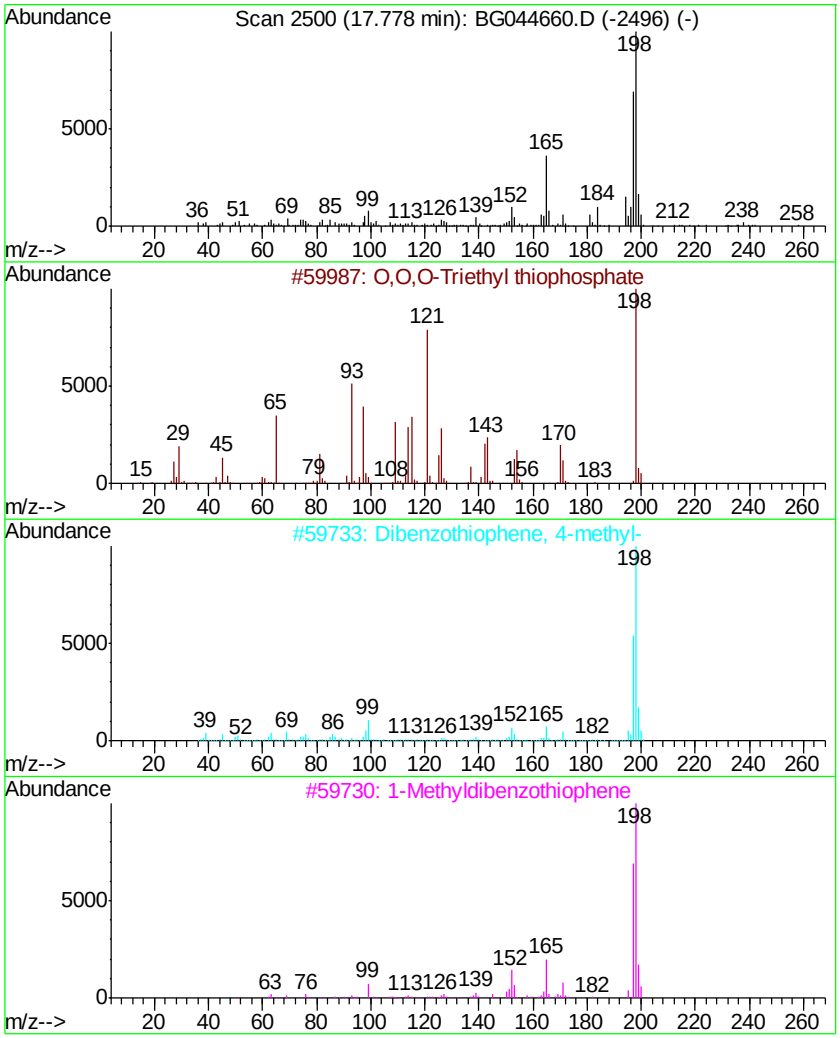
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

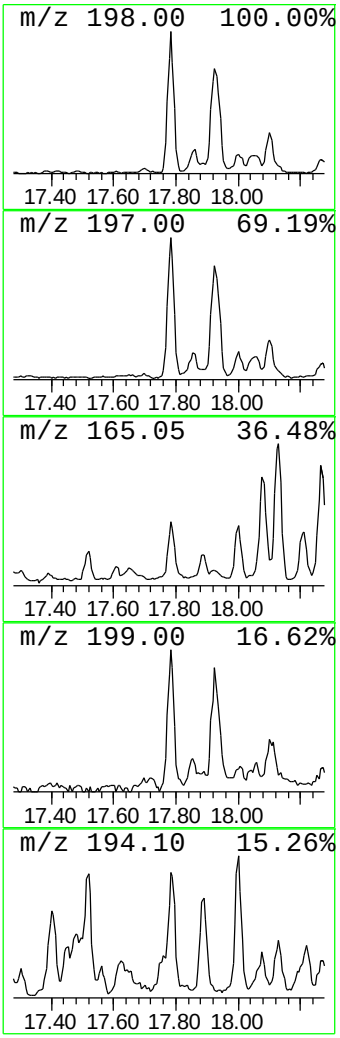
****

Peak Number 5 O,O,O-Triethyl thiophosphate Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	4.74 ng	244259	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	O,O,O-Triethyl thiophosphate	198	C6H15O3PS	000126-68-1	83
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	70
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	64
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64
5	Thioxanthene	198	C13H10S	000261-31-4	58





Library Search Compound Report

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Data File : BG044660.D
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Sample : L1743-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

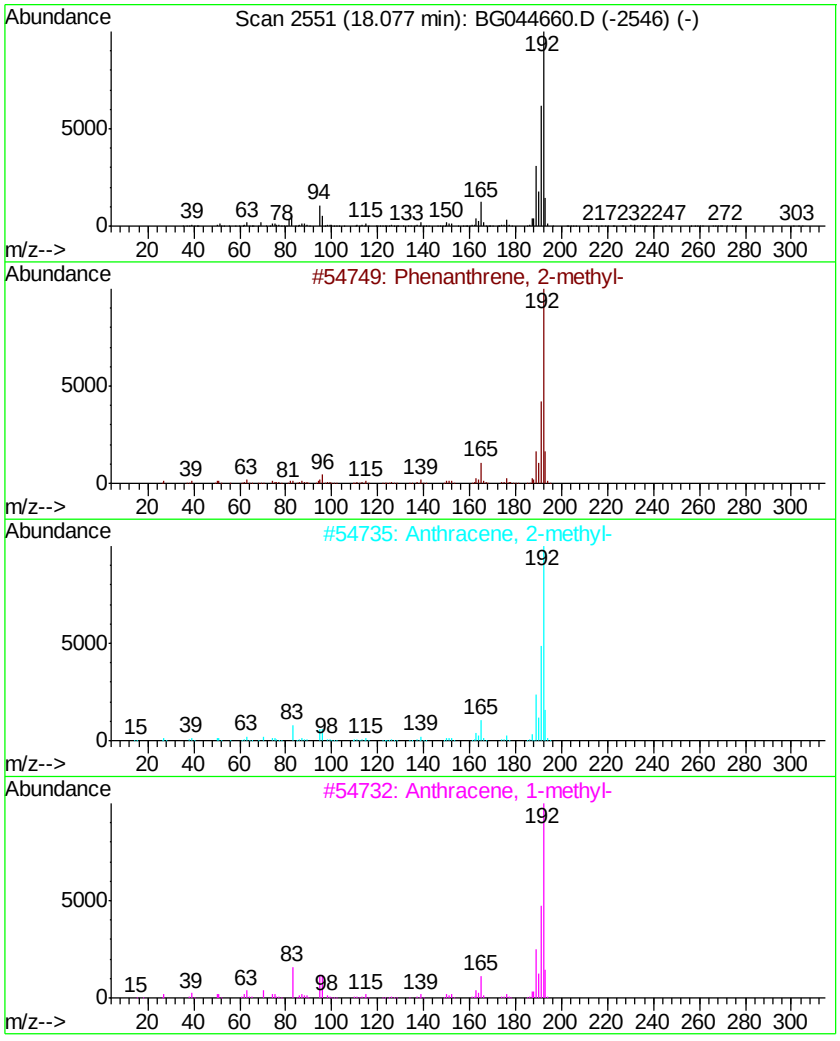
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

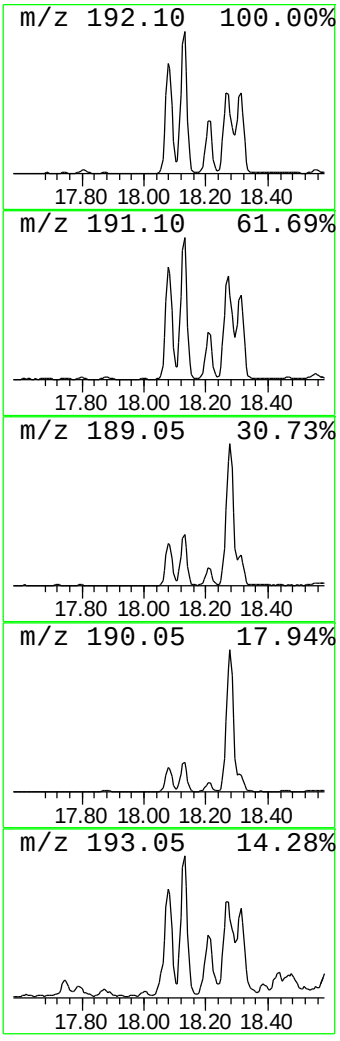
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	18.23 ng	938876	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83





Library Search Compound Report

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Data File : BG044660.D
Acq On : 3 Mar 2020 10:41
Operator : CG/JU
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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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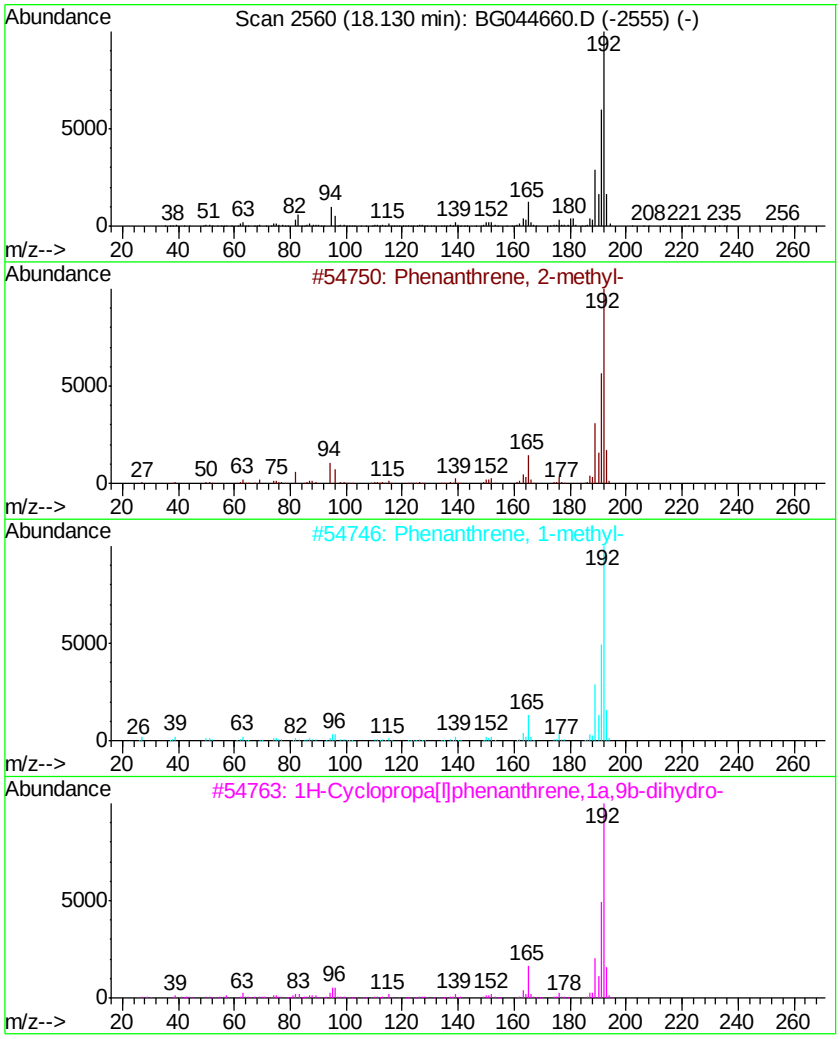
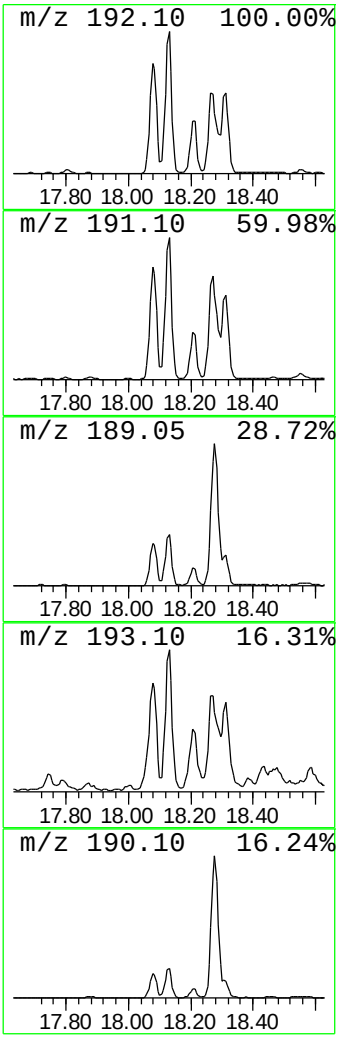
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	25.77 ng	1327150	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Library Search Compound Report

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Acq On : 3 Mar 2020 10:41
Operator : CG/JU
Sample : L1743-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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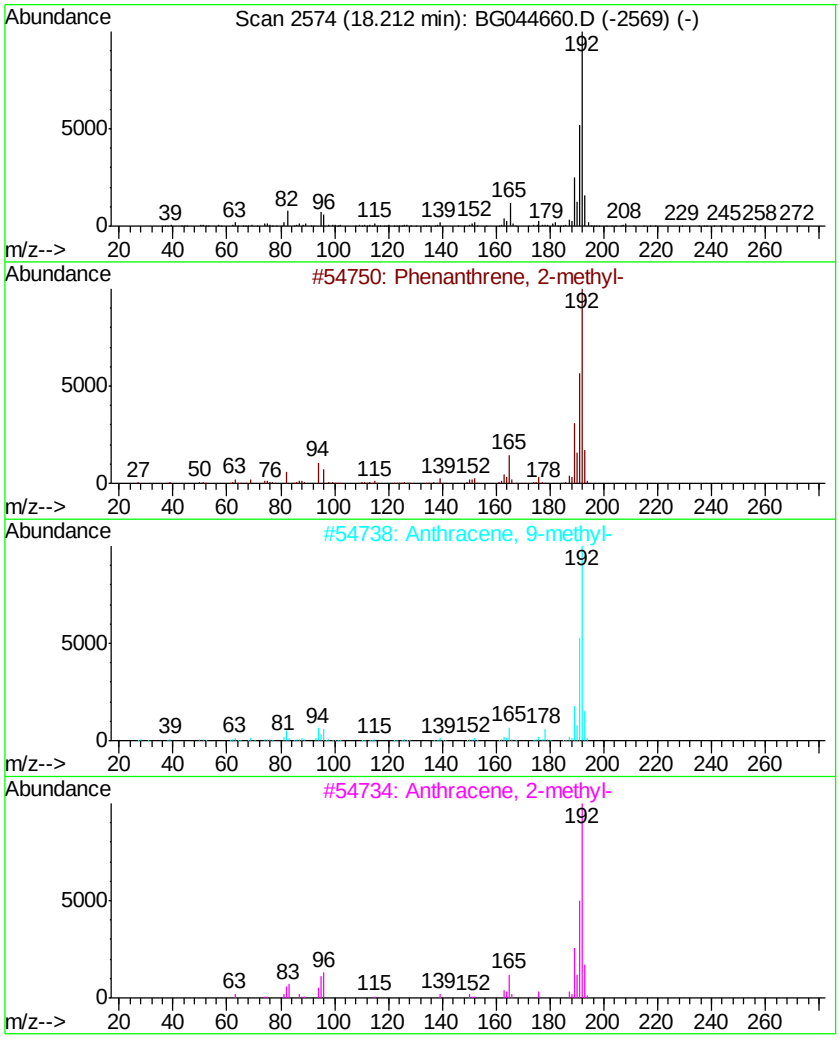
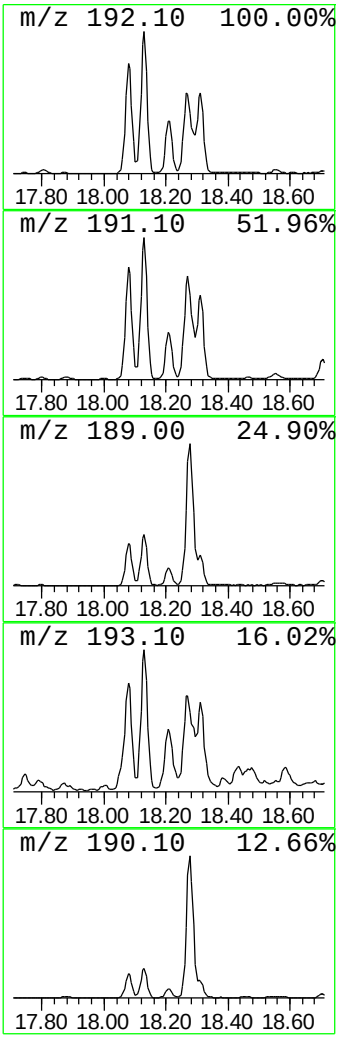
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	8.01 ng	412321	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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ClientSampleId : C-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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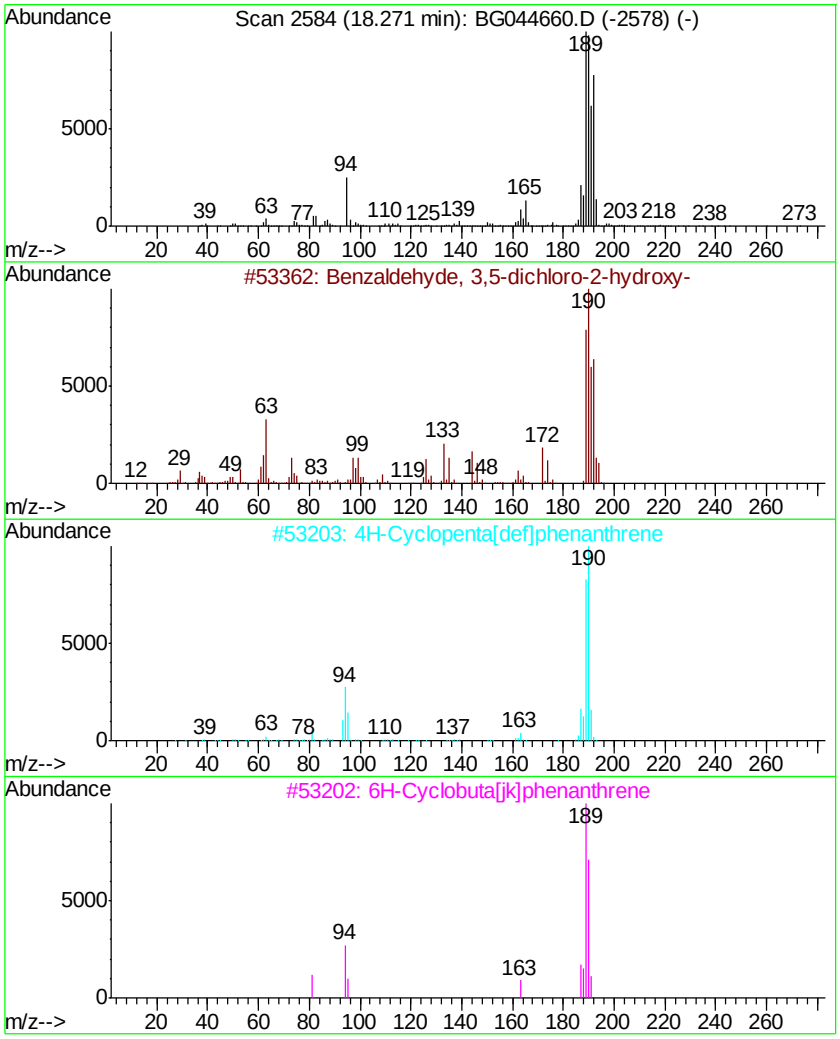
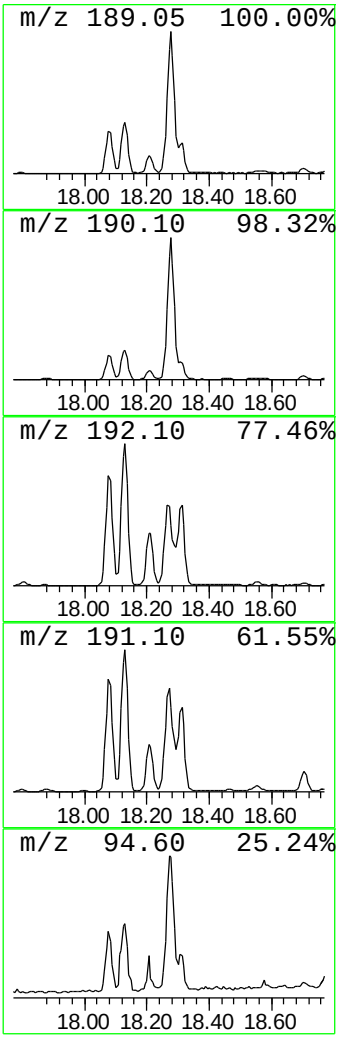
Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	34.22 ng	1762370	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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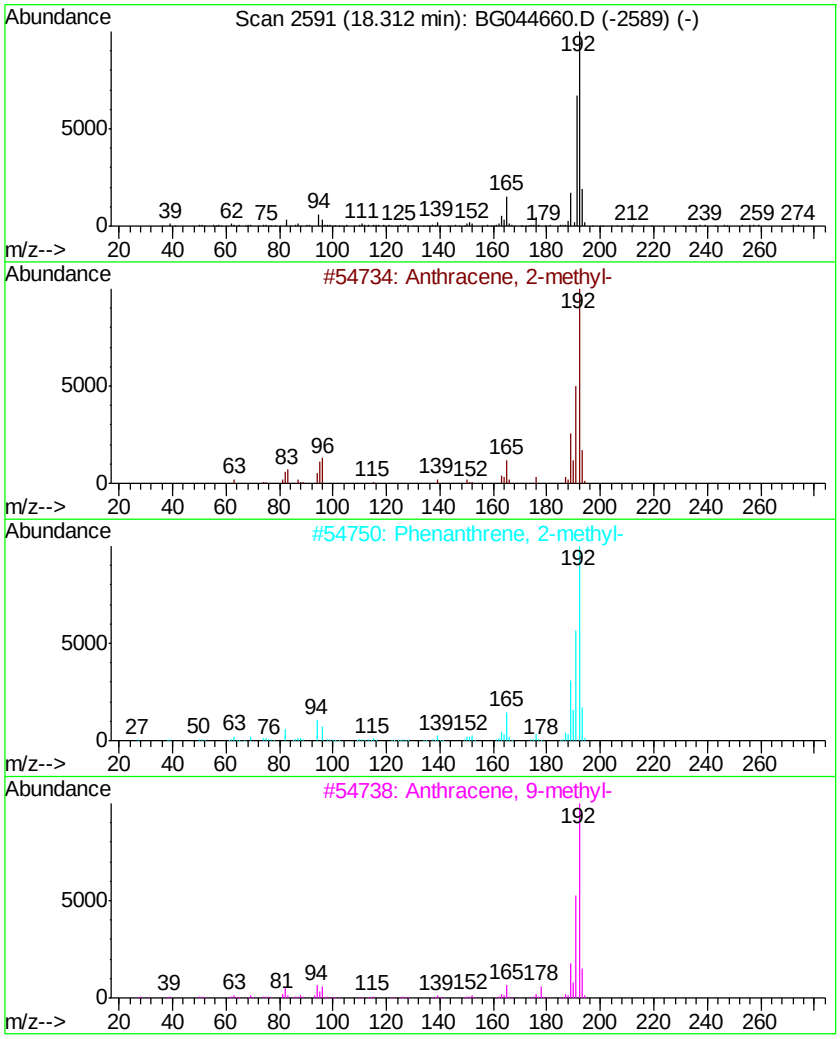
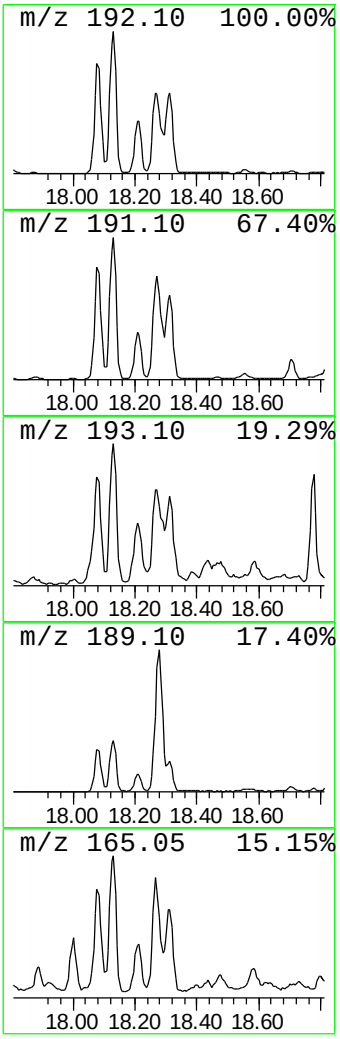
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	9.52 ng	490497	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





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ClientSampleId : C-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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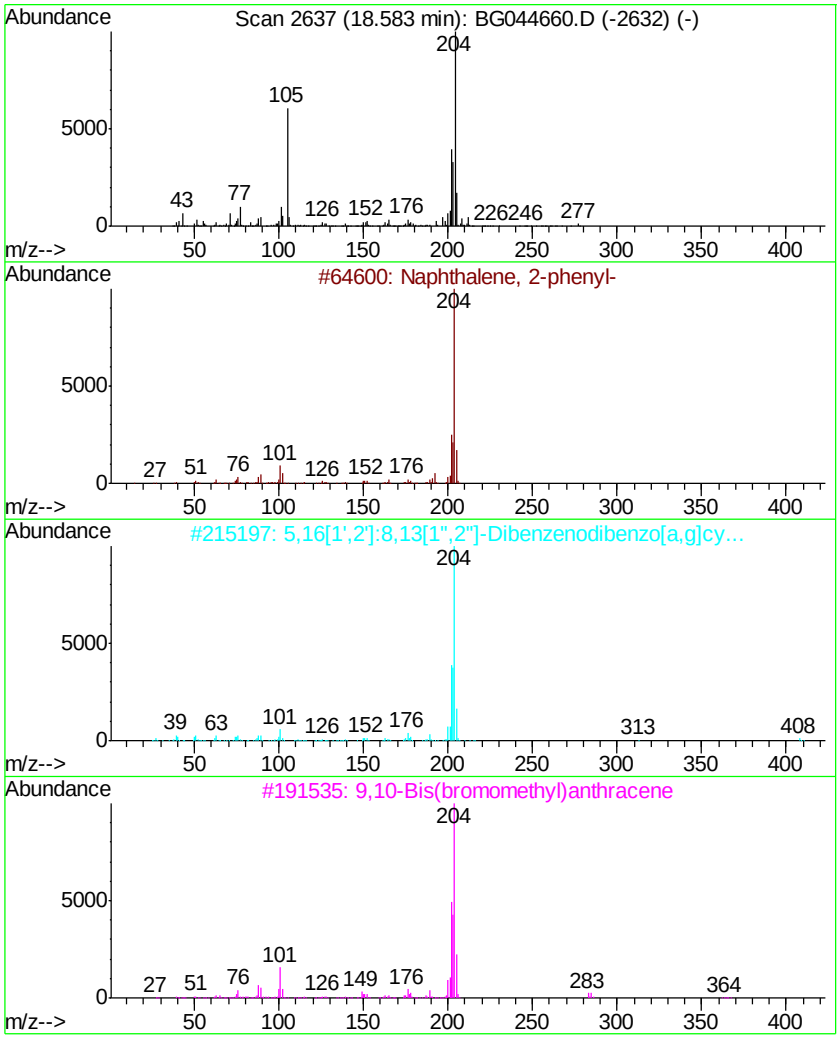
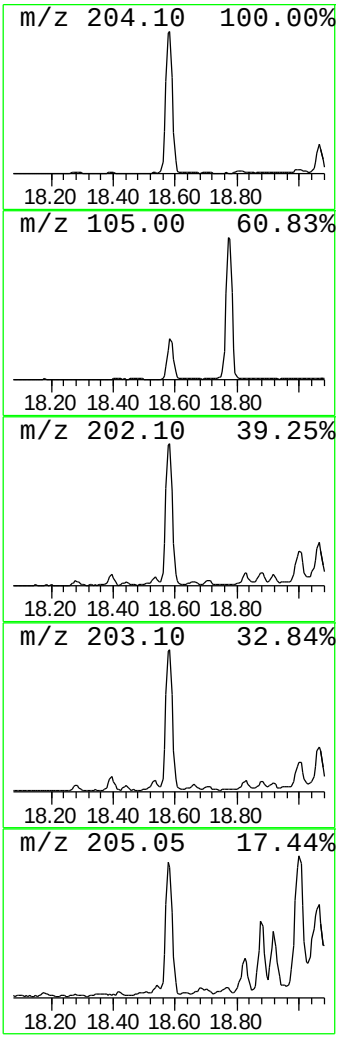
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	15.46 ng	796030	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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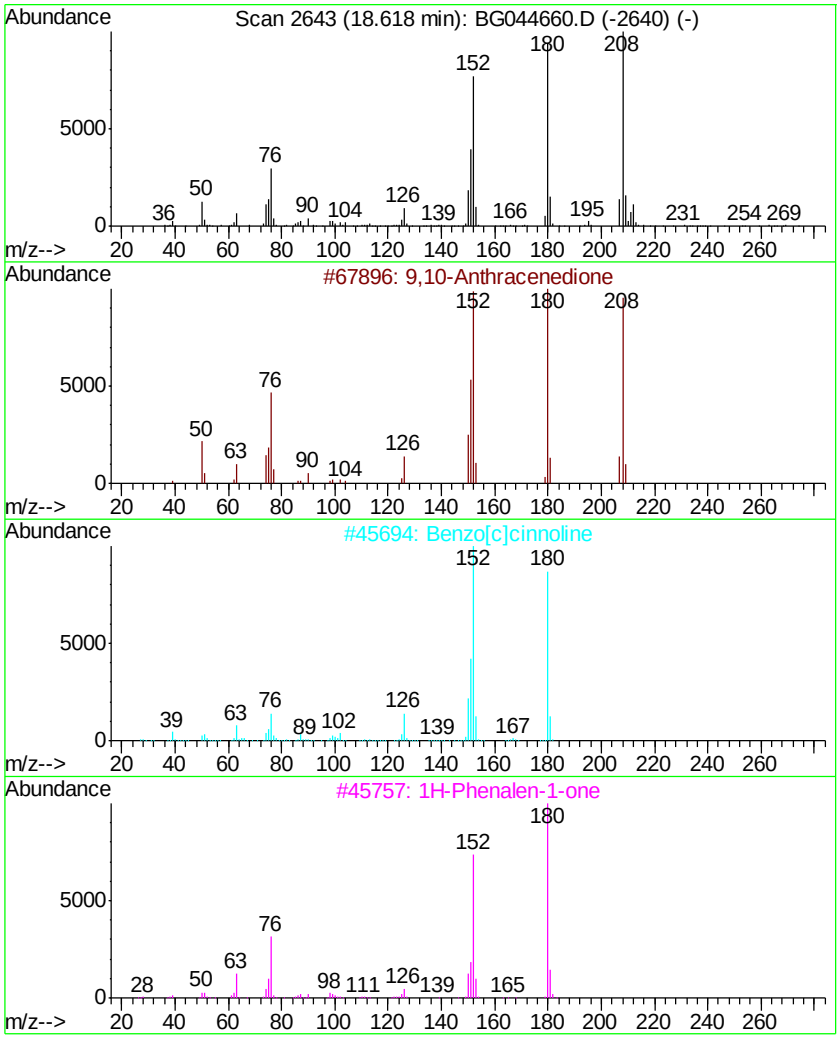
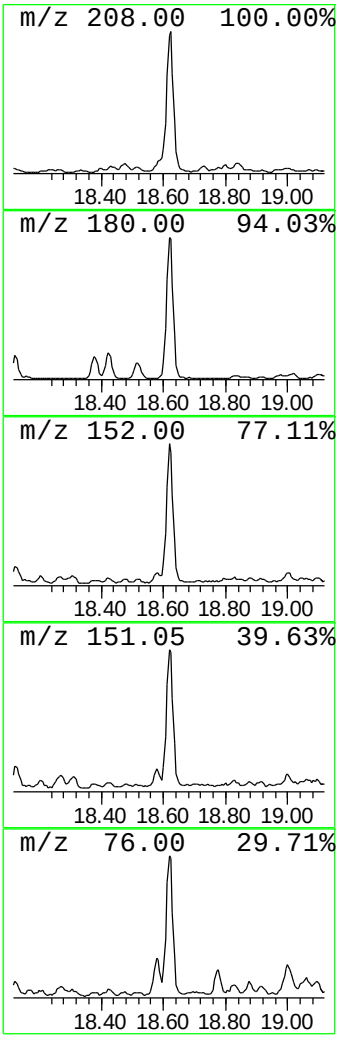
Peak Number 12 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	12.05 ng	620685	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50





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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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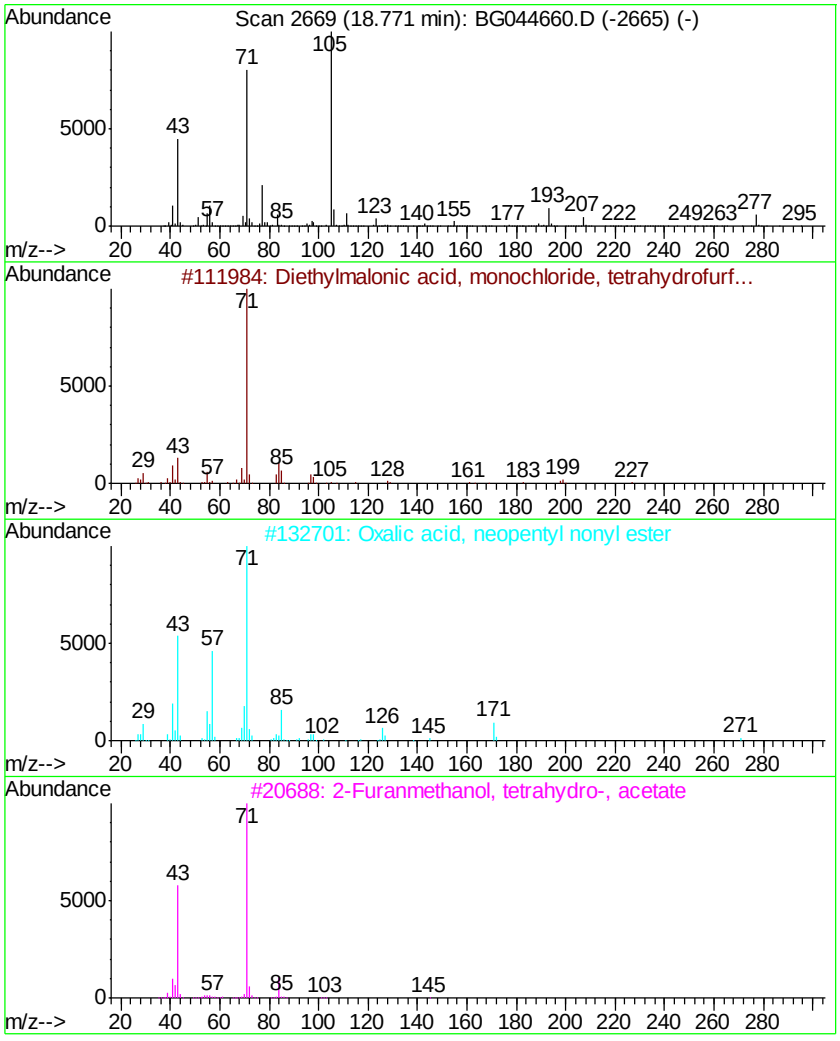
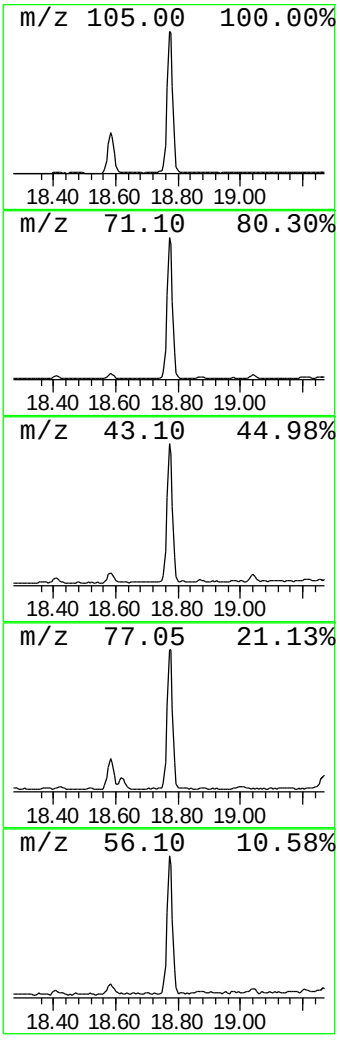
Peak Number 13 unknown18.77 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	28.01 ng	1442660	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethylmalonic acid, monochlorid...	262	C12H19ClO4	1000370-65-0	38
2	Oxalic acid, neopentyl nonyl ester	286	C16H30O4	1000309-73-3	38
3	2-Furanmethanol, tetrahydro-, ac...	144	C7H12O3	000637-64-9	32
4	2-Methyl-1,5-hexadiene-3-ol	112	C7H12O	017123-60-3	32
5	Propanoic acid, 2-methyl-, 1,2,3...	302	C15H26O6	014295-64-8	32





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Sample : L1743-08
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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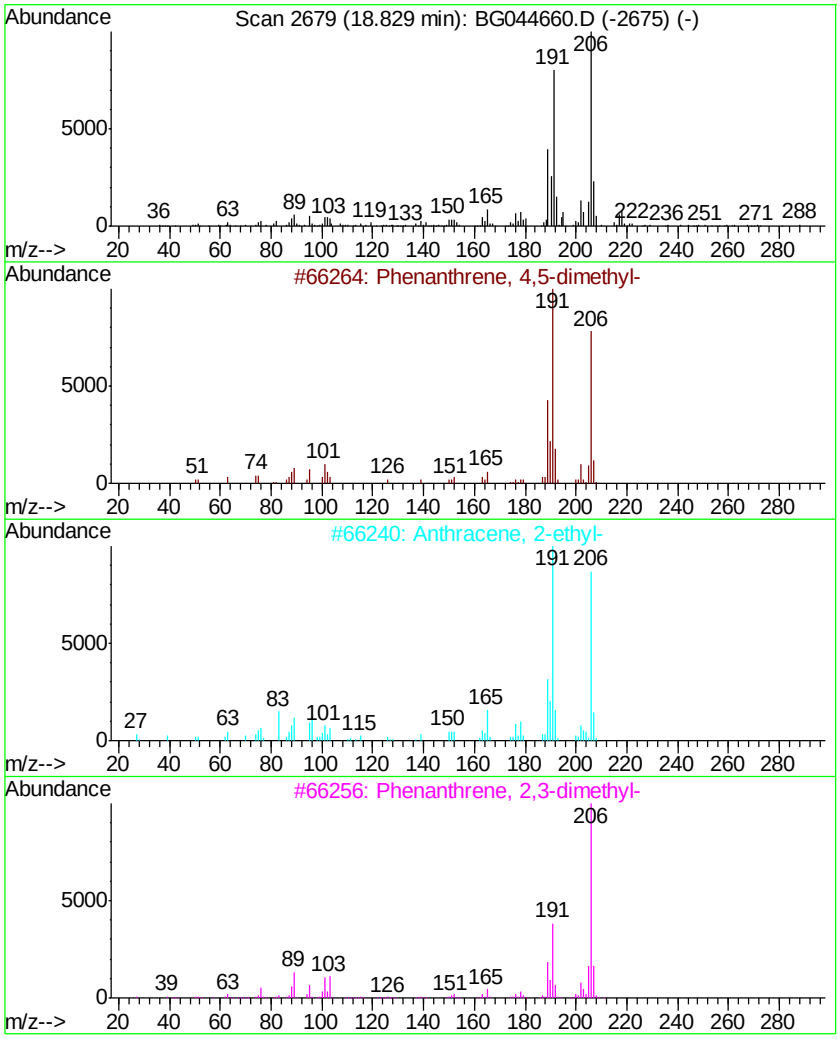
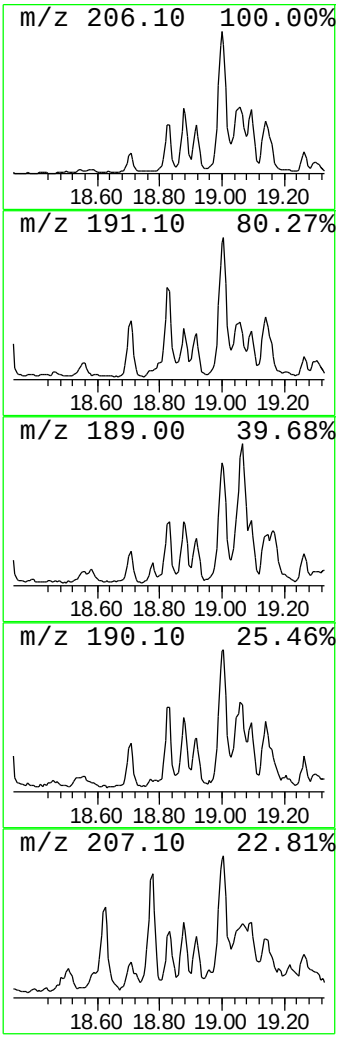
Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	5.21 ng	268374	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74





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Instrument : BNA_G
ClientSampleId : C-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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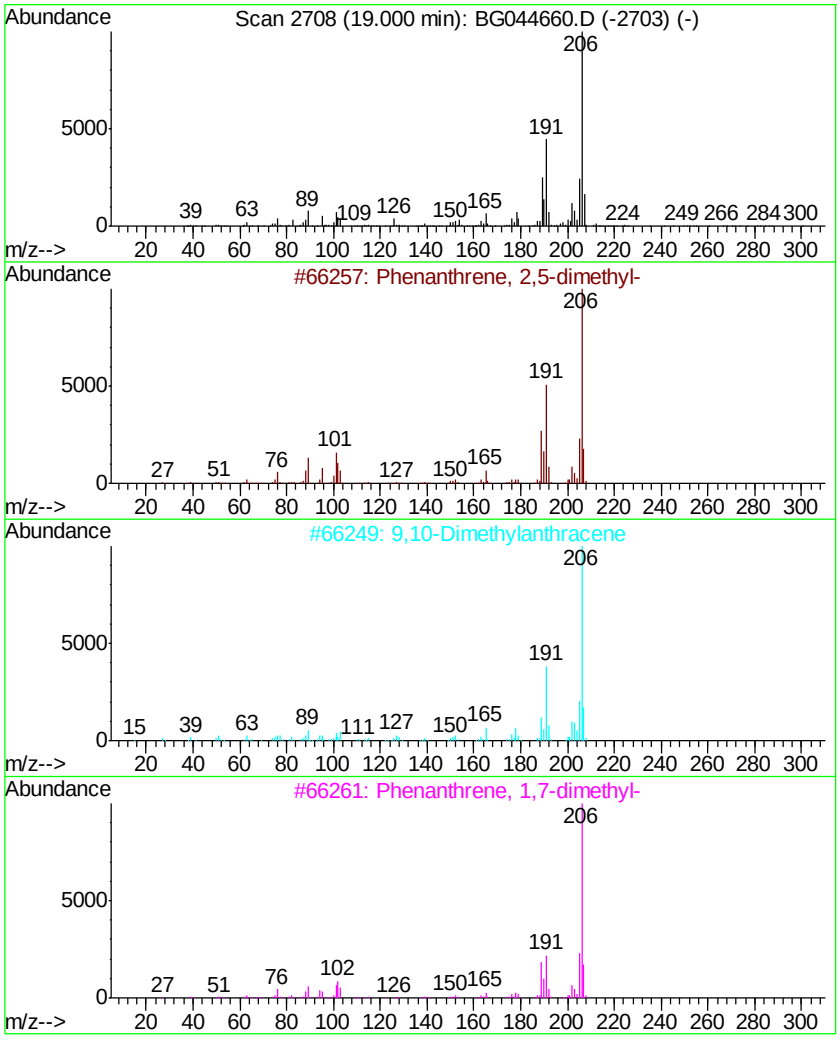
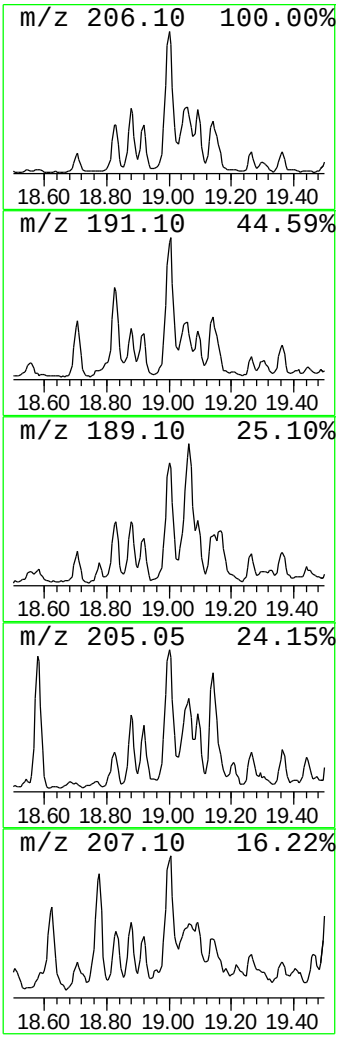
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	13.14 ng	676723	Phenanthrene-d10	17.20

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, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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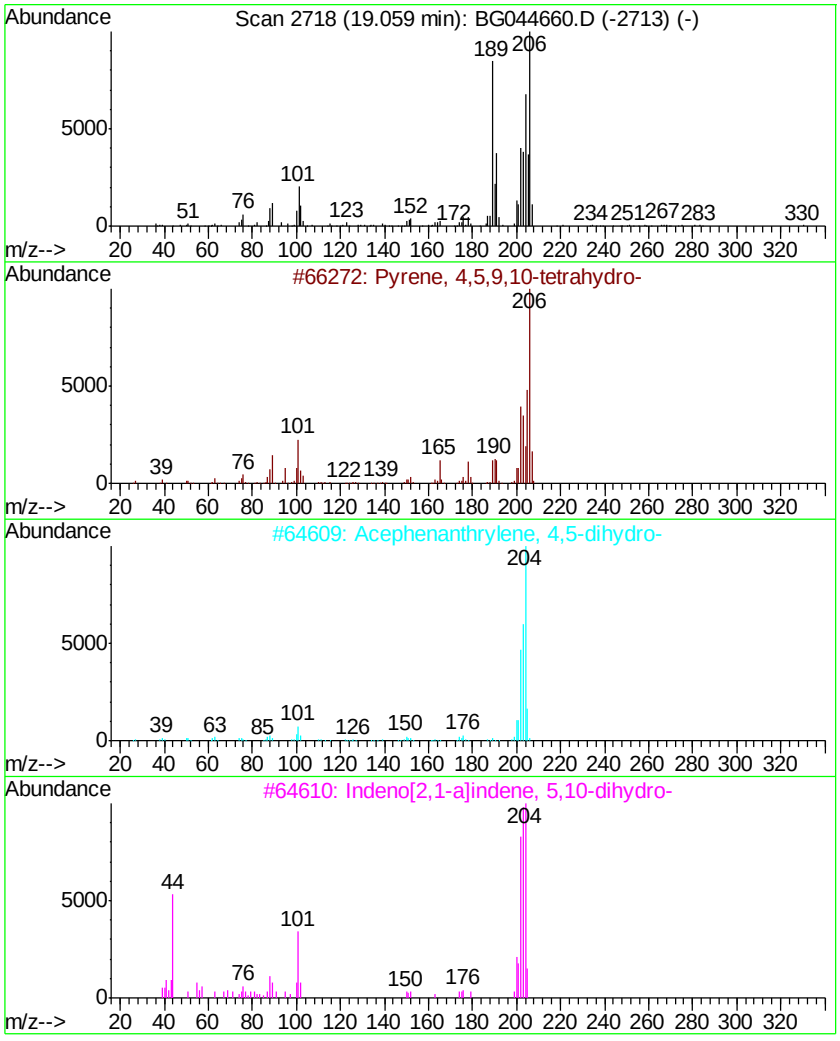
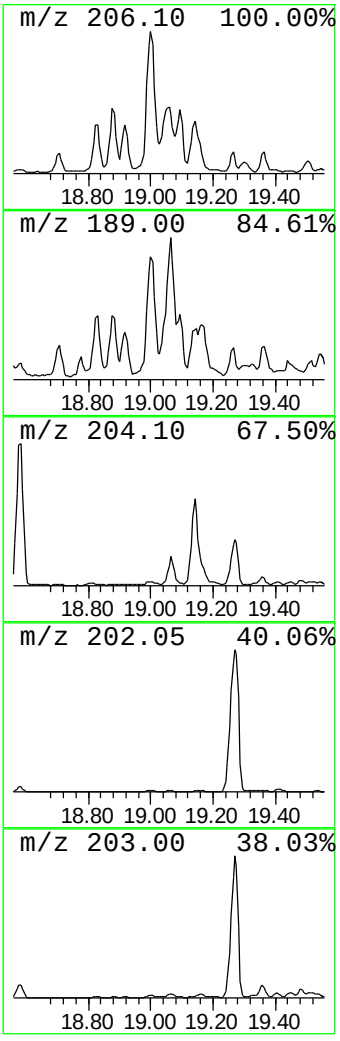
Peak Number 16 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	9.22 ng	474613	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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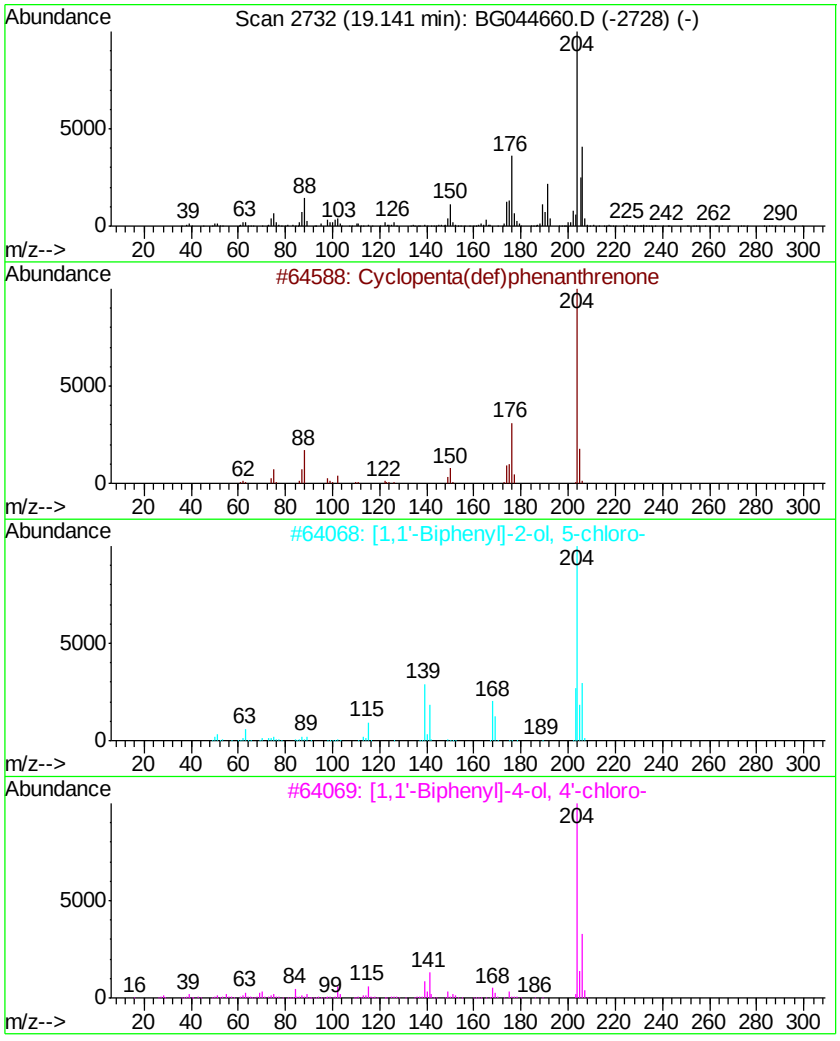
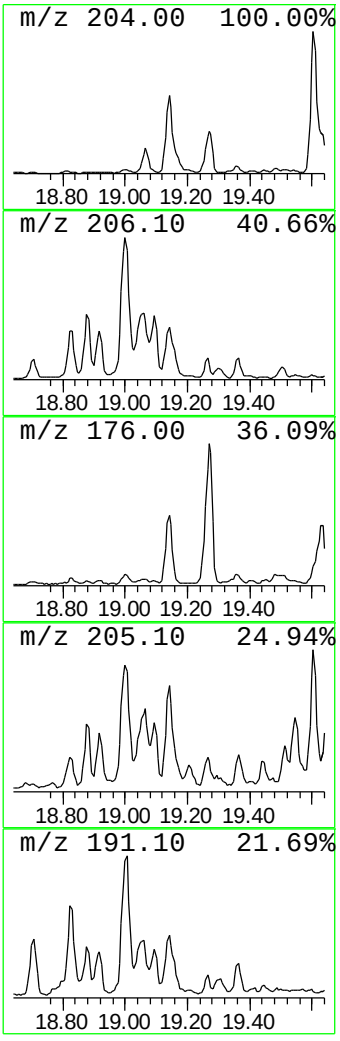
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	11.29 ng	581216	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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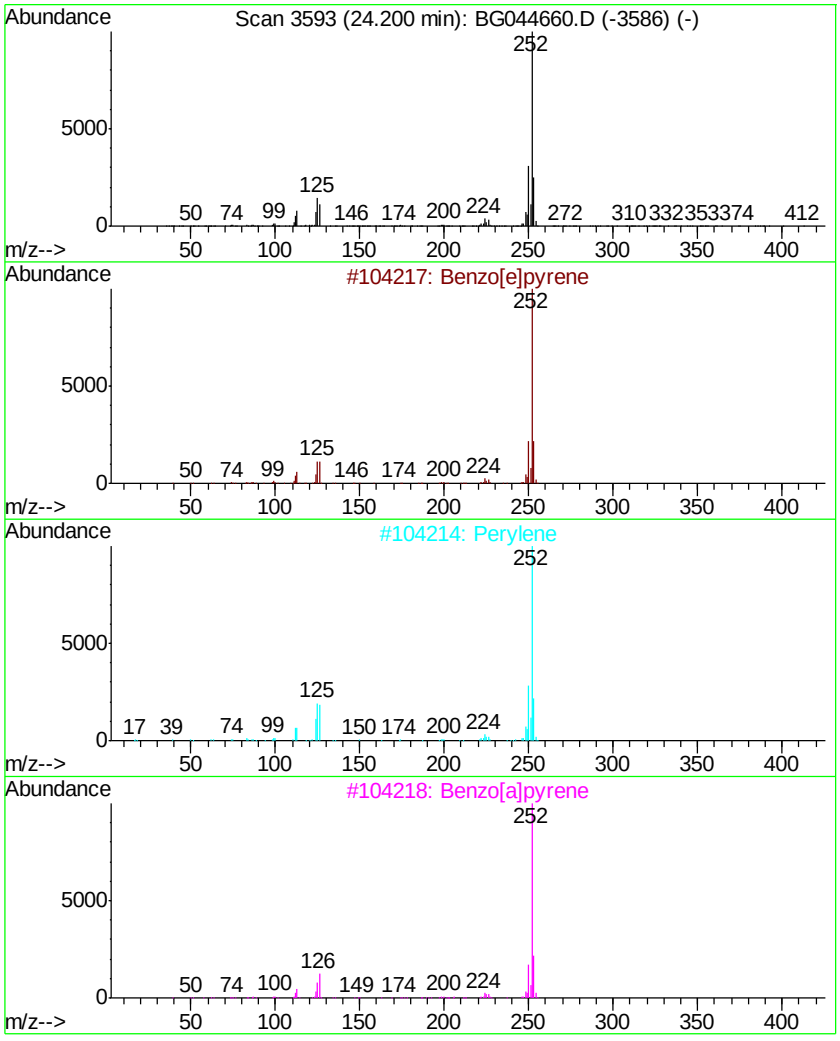
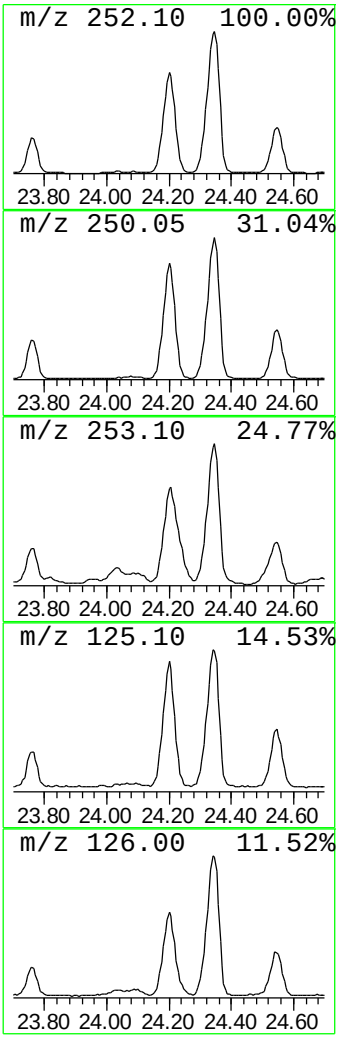
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	76.02 ng	3600550	Perylene-d12	24.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030220\
Data File : BG044660.D
Acq On : 3 Mar 2020 10:41
Operator : CG/JU
Sample : L1743-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
9H-Fluoren-9-one	16.86	5.8	ng	298486	4	17.20	1030030	20.0
Phenol, 4-(2-phen...	16.94	5.4	ng	277914	4	17.20	1030030	20.0
Dibenzothiophene	17.02	8.3	ng	425345	4	17.20	1030030	20.0
O,O,O-Triethyl th...	17.78	4.7	ng	244259	4	17.20	1030030	20.0
Anthracene, 2-met...	18.08	18.2	ng	938876	4	17.20	1030030	20.0
Phenanthrene, 2-m...	18.13	25.8	ng	1327150	4	17.20	1030030	20.0
Anthracene, 9-met...	18.21	8.0	ng	412321	4	17.20	1030030	20.0
Benzaldehyde, 3,5...	18.27	34.2	ng	1762370	4	17.20	1030030	20.0
1H-Cyclopropa[l]p...	18.31	9.5	ng	490497	4	17.20	1030030	20.0
Naphthalene, 2-ph...	18.58	15.5	ng	796030	4	17.20	1030030	20.0
9,10-Anthracenedione	18.62	12.1	ng	620685	4	17.20	1030030	20.0
unknown18.77	18.77	28.0	ng	1442660	4	17.20	1030030	20.0
Phenanthrene, 4,5...	18.83	5.2	ng	268374	4	17.20	1030030	20.0
Phenanthrene, 2,5...	19.00	13.1	ng	676723	4	17.20	1030030	20.0
Pyrene, 4,5,9,10-...	19.06	9.2	ng	474613	4	17.20	1030030	20.0
Cyclopenta(def)ph...	19.14	11.3	ng	581216	4	17.20	1030030	20.0
Benzo[e]pyrene	24.20	76.0	ng	3600550	6	24.48	947209	20.0