LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
Data File : BG043477.D
Acq On : 1 Nov 2019 22:28
Operator : JU
Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

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-BG102119.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	3.190	11	17	26	rVB	48914	104367	5.89%	0.438%
2	5.123	341	346	353	rBV	68311	108834	6.15%	0.457%
3	5.605	420	428	438	rBV	305697	543090	30.67%	2.280%
4	7.197	692	699	714	rBV	300758	593225	33.50%	2.490%
5	7.556	752	760	771	rBV	336146	624131	35.25%	2.620%
6	8.014	831	838	850	rBV	180105	332050	18.75%	1.394%
7	8.337	885	893	902	rBV	264034	489327	27.64%	2.054%
8	9.177	1028	1036	1051	rBV2	165660	354588	20.03%	1.488%
9	10.816	1303	1315	1322	rBV	215593	442436	24.99%	1.857%
10	12.473	1588	1597	1606	rBV	42549	88122	4.98%	0.370%
11	12.691	1627	1634	1646	rBV2	49852	92414	5.22%	0.388%
12	13.267	1723	1732	1745	rBV	534894	882252	49.83%	3.703%
13	13.478	1760	1768	1773	rBV4	23656	51907	2.93%	0.218%
14	13.531	1773	1777	1782	rVV3	13033	20763	1.17%	0.087%
15	13.813	1818	1825	1833	rBV6	14330	41326	2.33%	0.173%
16	13.966	1846	1851	1856	rBV3	23412	43530	2.46%	0.183%
17	14.019	1856	1860	1865	rVB2	15211	24295	1.37%	0.102%
18	14.089	1867	1872	1880	rBV	46464	82234	4.64%	0.345%
19	14.201	1887	1891	1895	rBV4	10090	18025	1.02%	0.076%
20	14.536	1942	1948	1953	rBV2	16965	27694	1.56%	0.116%
21	14.641	1957	1966	1972	rVV	386797	650233	36.72%	2.729%
22	14.706	1972	1977	1986	rVV	138427	239306	13.52%	1.004%
23	15.041	2028	2034	2044	rBV	78022	137218	7.75%	0.576%
24	15.482	2103	2109	2115	rVB3	22715	36641	2.07%	0.154%
25	15.687	2137	2144	2151	rBV	132776	230332	13.01%	0.967%
26	15.858	2168	2173	2176	rBV5	13249	20279	1.15%	0.085%
27	15.981	2190	2194	2201	rVB2	23040	40562	2.29%	0.170%
28	16.134	2210	2220	2228	rBV	454353	780265	44.07%	3.275%
29	16.345	2252	2256	2258	rBV2	23020	32515	1.84%	0.136%
30	16.692	2308	2315	2320	rBV5	19726	39838	2.25%	0.167%
31	16.745	2320	2324	2329	rVB5	15363	23226	1.31%	0.097%
32	17.039	2371	2374	2381	rVB4	17937	31511	1.78%	0.132%
33	17.138	2383	2391	2396	rVV4	32455	62907	3.55%	0.264%
34	17.209	2396	2403	2410	rVB	47963	103051	5.82%	0.433%

LSC Area Percent Report

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Acq On : 1 Nov 2019 22:28
Operator : JU
Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

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-BG102119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.385	2427	2433	2437	rBV	446303	759516	42.90%	3.188%
36	17.432	2437	2441	2447	rVV	787637	1214469	68.59%	5.098%
37	17.520	2450	2456	2462	rVV	171390	295781	16.70%	1.242%
38	17.573	2462	2465	2471	rVB3	20990	37770	2.13%	0.159%
39	17.667	2477	2481	2489	rBV3	10031	27686	1.56%	0.116%
40	17.767	2491	2498	2499	rBV3	34405	61207	3.46%	0.257%
41	17.791	2499	2502	2513	rVB2	86701	169086	9.55%	0.710%
42	17.873	2513	2516	2519	rBV	23693	26953	1.52%	0.113%
43	17.967	2529	2532	2536	rBV2	13708	20489	1.16%	0.086%
44	18.049	2542	2546	2552	rBV9	17360	28940	1.63%	0.121%
45	18.120	2554	2558	2561	rVB6	14992	24823	1.40%	0.104%
46	18.272	2576	2584	2587	rBV	91116	178722	10.09%	0.750%
47	18.314	2587	2591	2597	rVB	113521	178375	10.07%	0.749%
48	18.396	2599	2605	2610	rBV	38970	63265	3.57%	0.266%
49	18.460	2610	2616	2620	rBV2	146223	280840	15.86%	1.179%
50	18.566	2630	2634	2637	rBV	30087	40506	2.29%	0.170%
51	18.760	2663	2667	2670	rBV	53763	78877	4.45%	0.331%
52	18.801	2671	2674	2682	rVB5	48060	79882	4.51%	0.335%
53	19.001	2706	2708	2714	rVB5	18192	21214	1.20%	0.089%
54	19.054	2714	2717	2720	rBV3	26284	34206	1.93%	0.144%
55	19.089	2721	2723	2726	rVB2	18027	17870	1.01%	0.075%
56	19.130	2726	2730	2733	rBV3	46295	63823	3.60%	0.268%
57	19.183	2733	2739	2743	rBV3	117783	218413	12.34%	0.917%
58	19.218	2743	2745	2751	rVB7	46940	80144	4.53%	0.336%
59	19.318	2758	2762	2767	rBV3	34774	67879	3.83%	0.285%
60	19.442	2777	2783	2788	rBV	1146698	1661404	93.83%	6.974%
61	19.536	2796	2799	2804	rVB3	32445	42220	2.38%	0.177%
62	19.683	2820	2824	2827	rBV4	42531	64485	3.64%	0.271%
63	19.771	2834	2839	2840	rBV	238417	283961	16.04%	1.192%
64	19.800	2840	2844	2852	rVV	918073	1506427	85.08%	6.323%
65	19.876	2853	2857	2862	rVB2	113777	186171	10.51%	0.781%
66	19.994	2872	2877	2882	rBV	913503	1251462	70.68%	5.253%
67	20.117	2894	2898	2899	rBV2	59229	82574	4.66%	0.347%
68	20.294	2924	2928	2933	rVB2	219679	340127	19.21%	1.428%
69	20.393	2941	2945	2949	rBV	154901	202855	11.46%	0.851%
70	20.452	2951	2955	2958	rVV2	108254	158141	8.93%	0.664%
71	20.487	2958	2961	2966	rVB2	74116	104686	5.91%	0.439%

LSC Area Percent Report

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Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

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-BG102119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.593	2975	2979	2982	rBV	75903	108621	6.13%	0.456%
73	20.634	2984	2986	2989	rVV	62174	71669	4.05%	0.301%
74	20.793	3010	3013	3017	rBV	60945	71584	4.04%	0.300%
75	21.057	3055	3058	3064	rVB2	64791	107551	6.07%	0.451%
76	21.298	3093	3099	3101	rBV4	109586	197216	11.14%	0.828%
77	21.651	3152	3159	3164	rBV3	683215	1770634	100.00%	7.432%
78	21.698	3164	3167	3179	rVB	397661	763487	43.12%	3.205%
79	21.845	3188	3192	3198	rVB3	151170	246203	13.90%	1.033%
80	22.444	3291	3294	3301	rVB2	125645	222225	12.55%	0.933%
81	23.842	3526	3532	3540	rBV	248206	750814	42.40%	3.151%
82	24.553	3649	3653	3662	rVB2	176169	450351	25.43%	1.890%
83	24.706	3674	3679	3692	rVB	273360	748651	42.28%	3.142%
84	24.859	3698	3705	3713	rBV2	368924	967472	54.64%	4.061%

Sum of corrected areas: 23824221

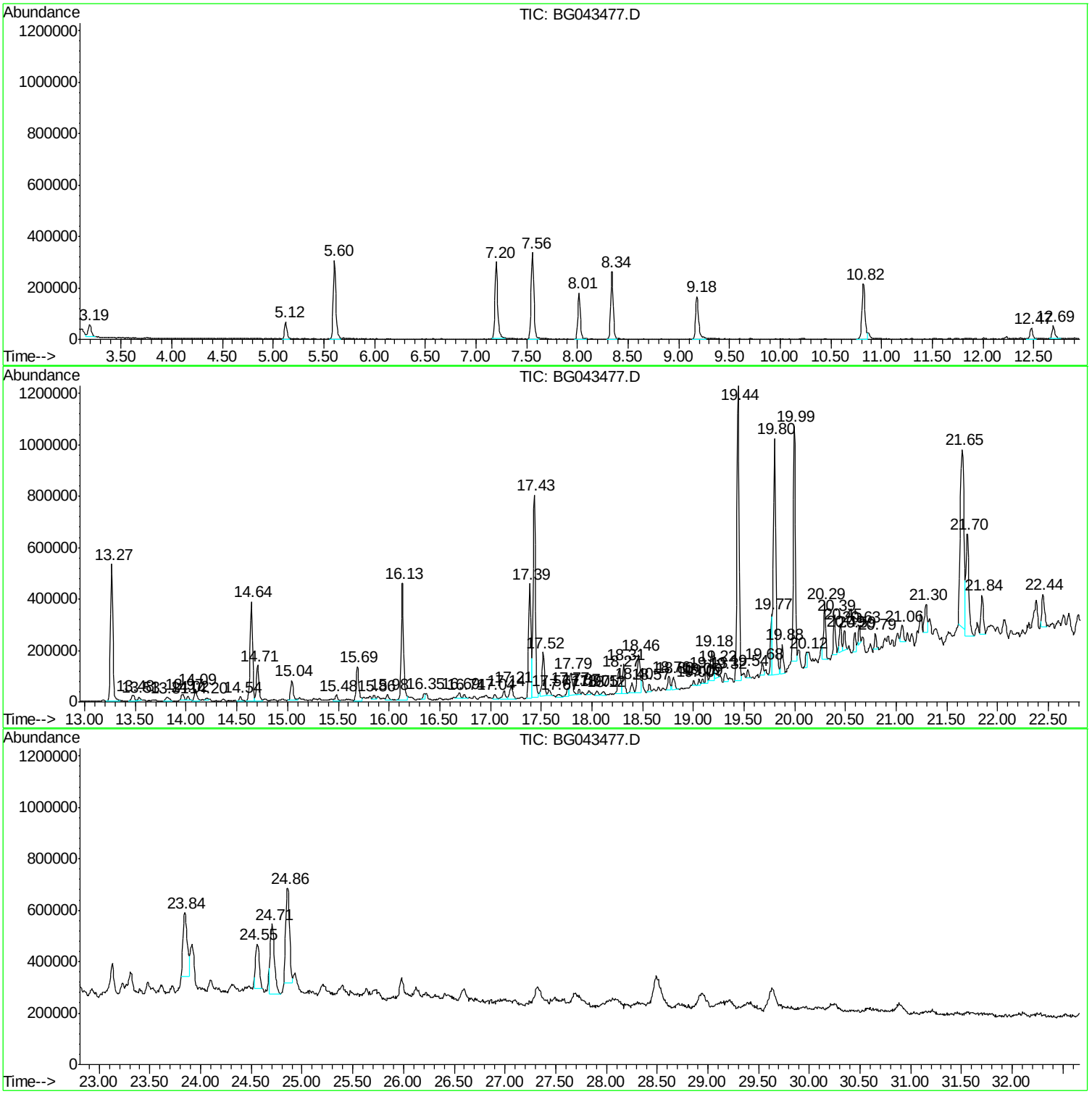
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
Data File : BG043477.D
Acq On : 1 Nov 2019 22:28
Operator : JU
Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.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\BG110119\
Data File : BG043477.D
Acq On : 1 Nov 2019 22:28
Operator : JU
Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

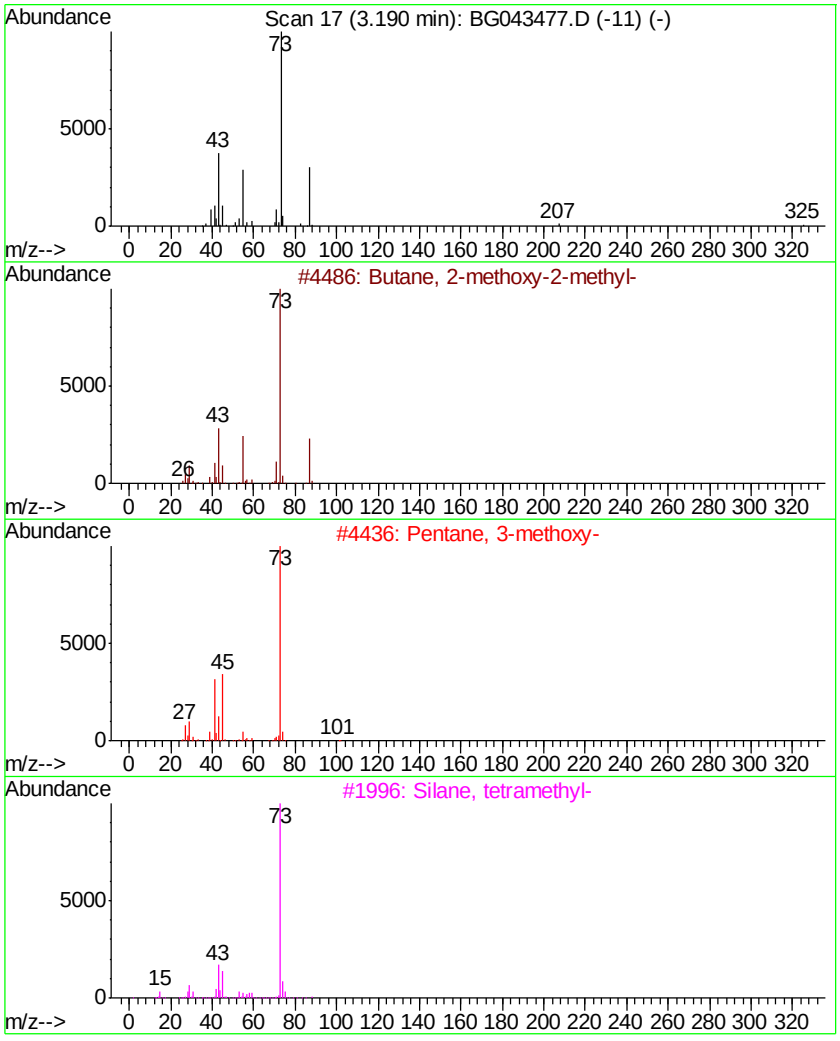
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

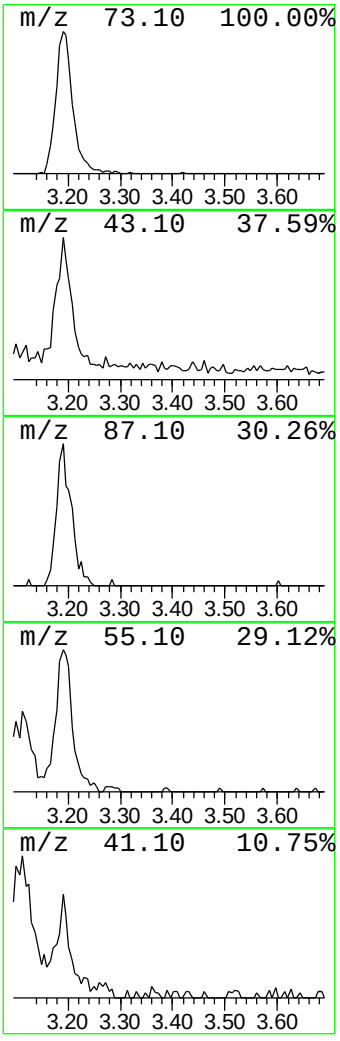
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	6.29 ng	104367	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	16
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Butanoic acid, 2-hydroxy-2-methy...	132	C6H12O3	032793-34-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
Data File : BG043477.D
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Instrument : BNA_G
ClientSampleId : OK-01-103019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

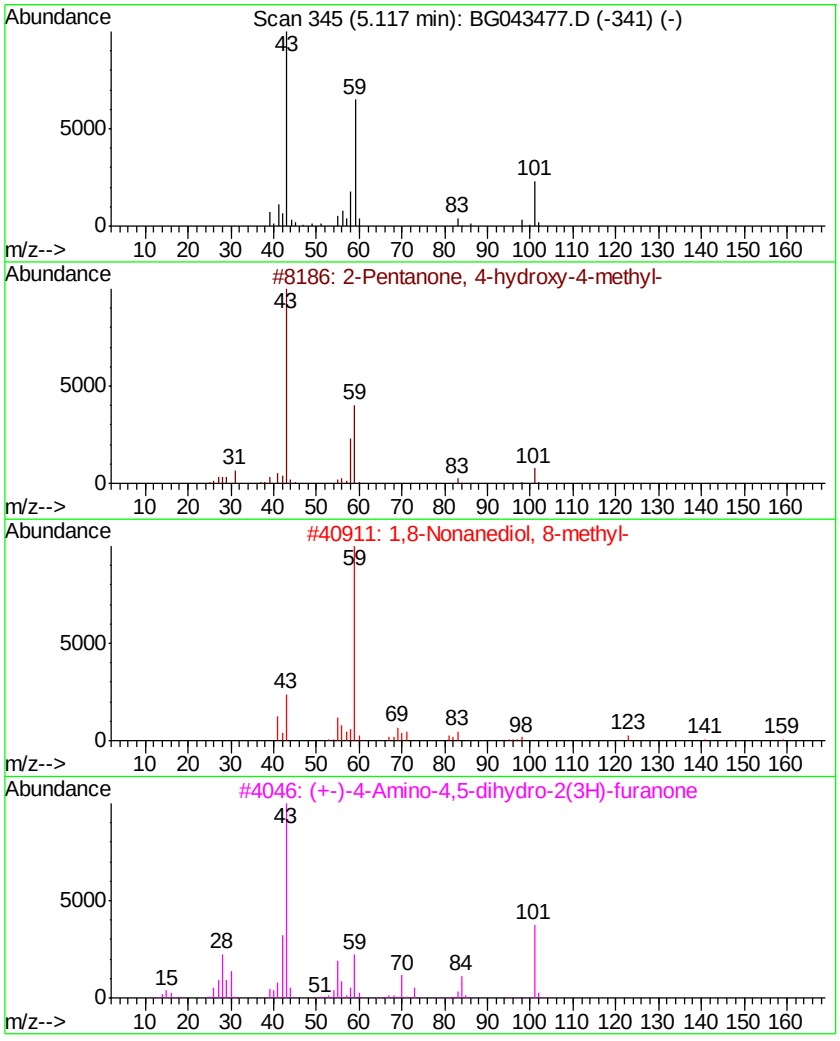
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

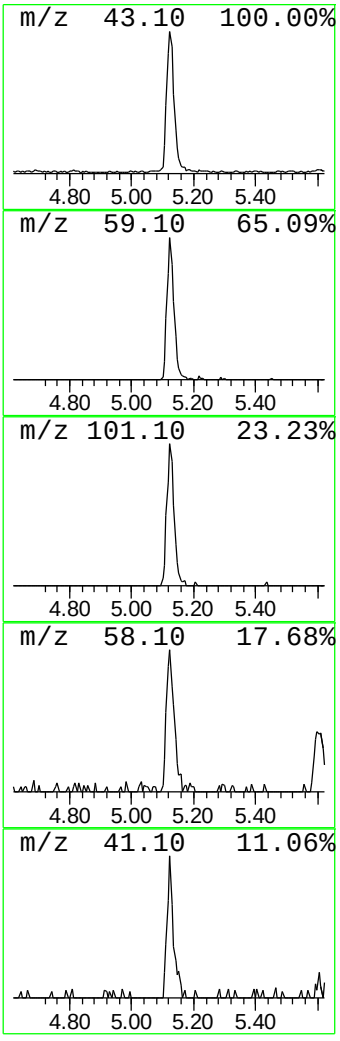
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	6.56 ng	108834	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	37
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	25
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : OK-01-103019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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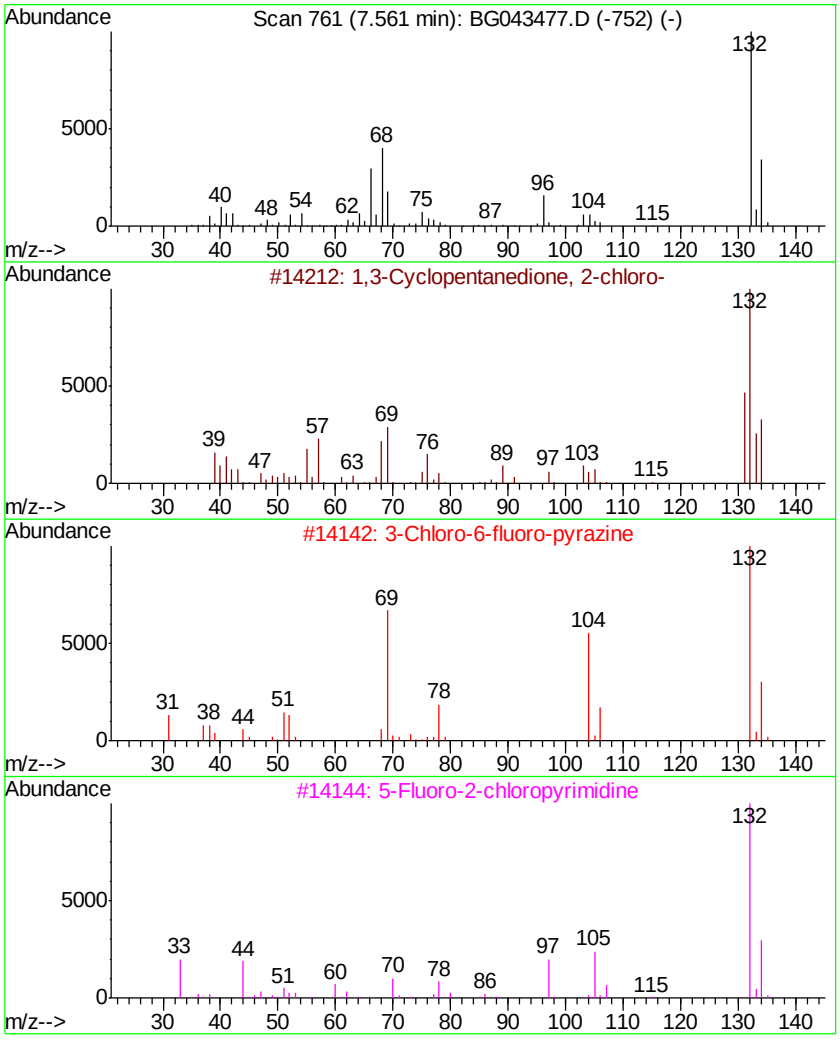
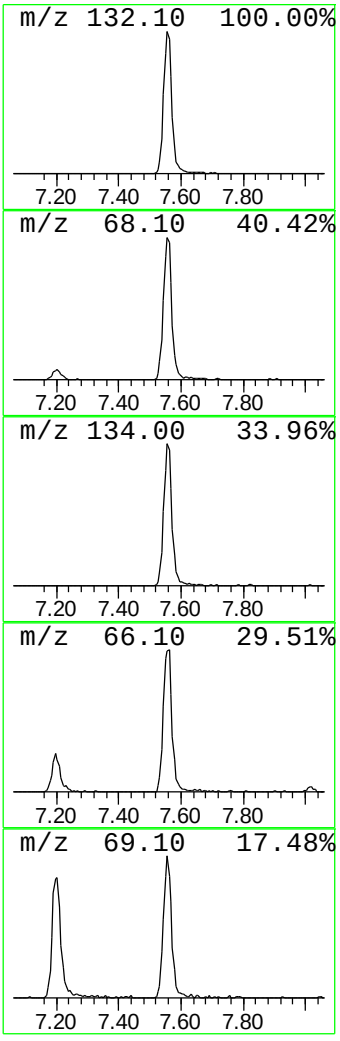
****

Peak Number 3 unknown7.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	37.59 ng	624131	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	25
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	12
5	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	10





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TIC Library : C:\Database\NIST11.L
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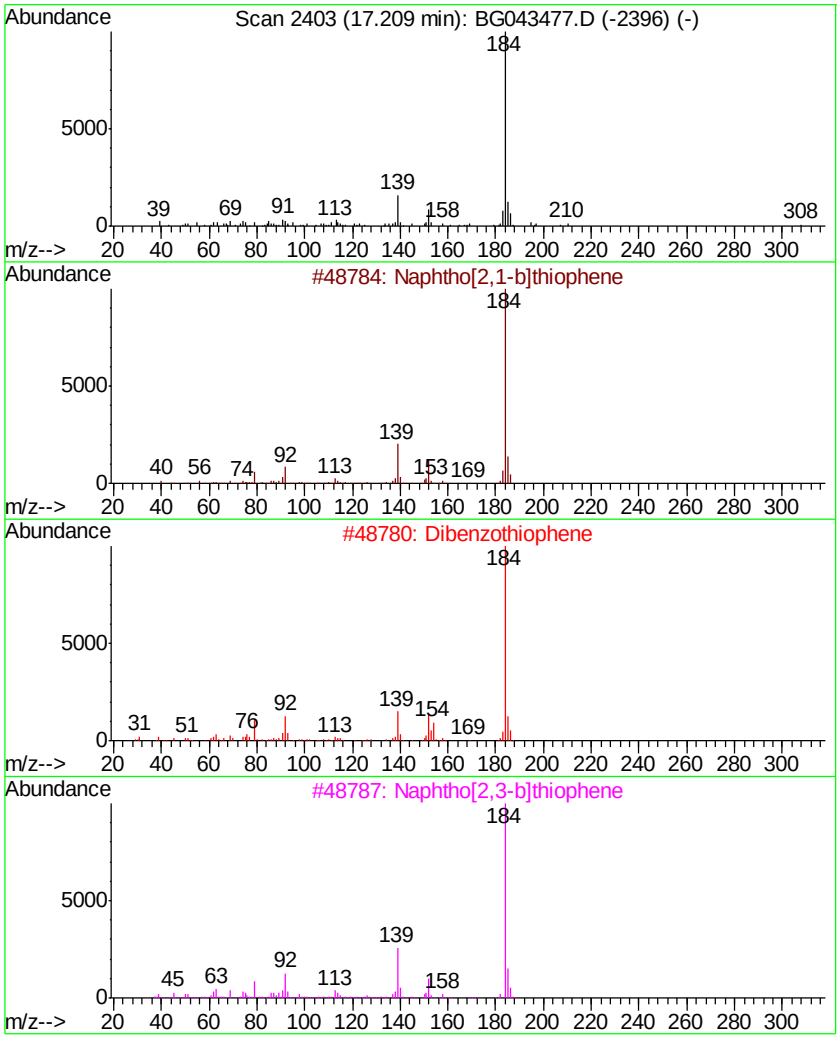
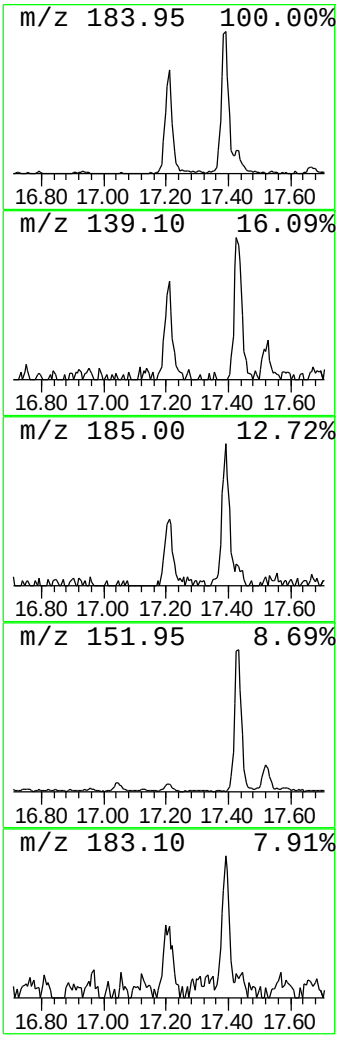
****

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	2.71 ng	103051	Phenanthrene-d10	17.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	90
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

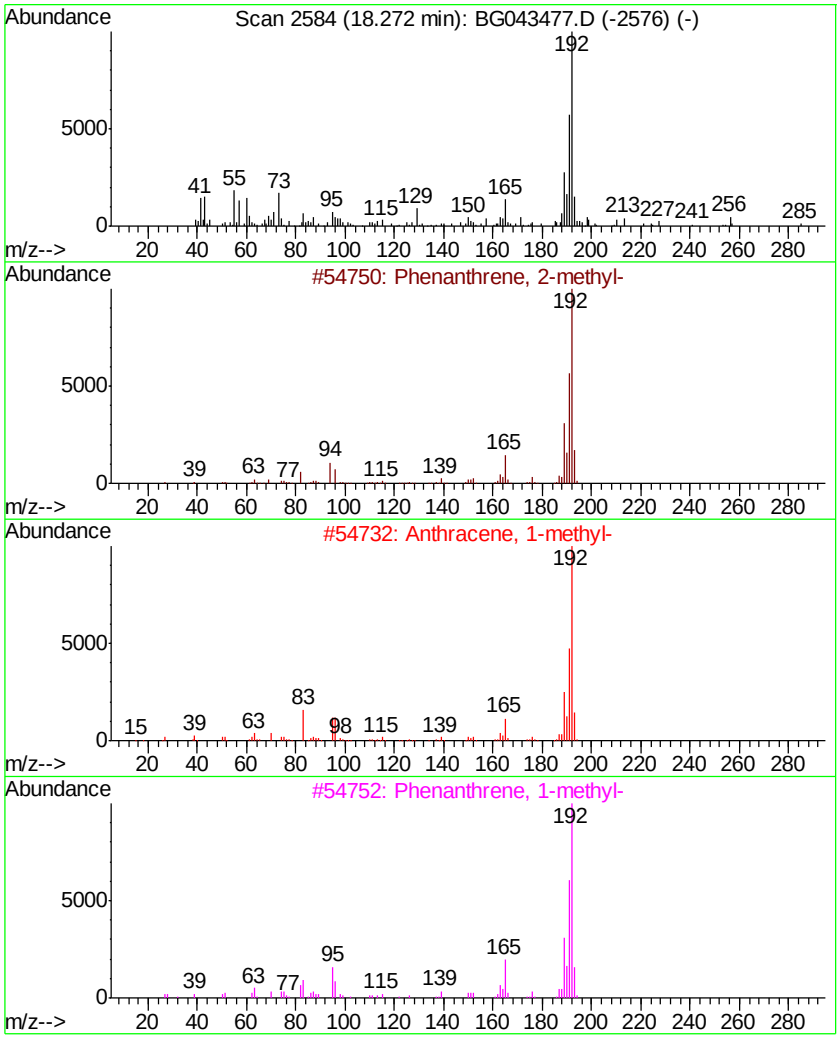
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

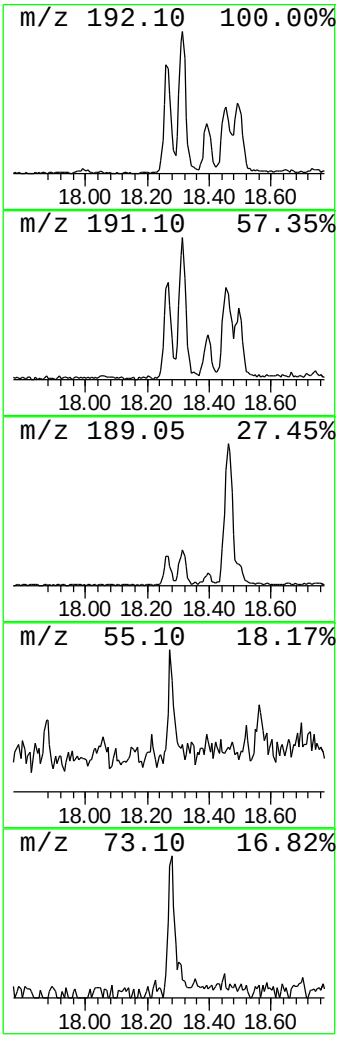
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	4.71 ng	178722	Phenanthrene-d10	17.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
Data File : BG043477.D
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Misc :
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Instrument : BNA_G
ClientSampleId : OK-01-103019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

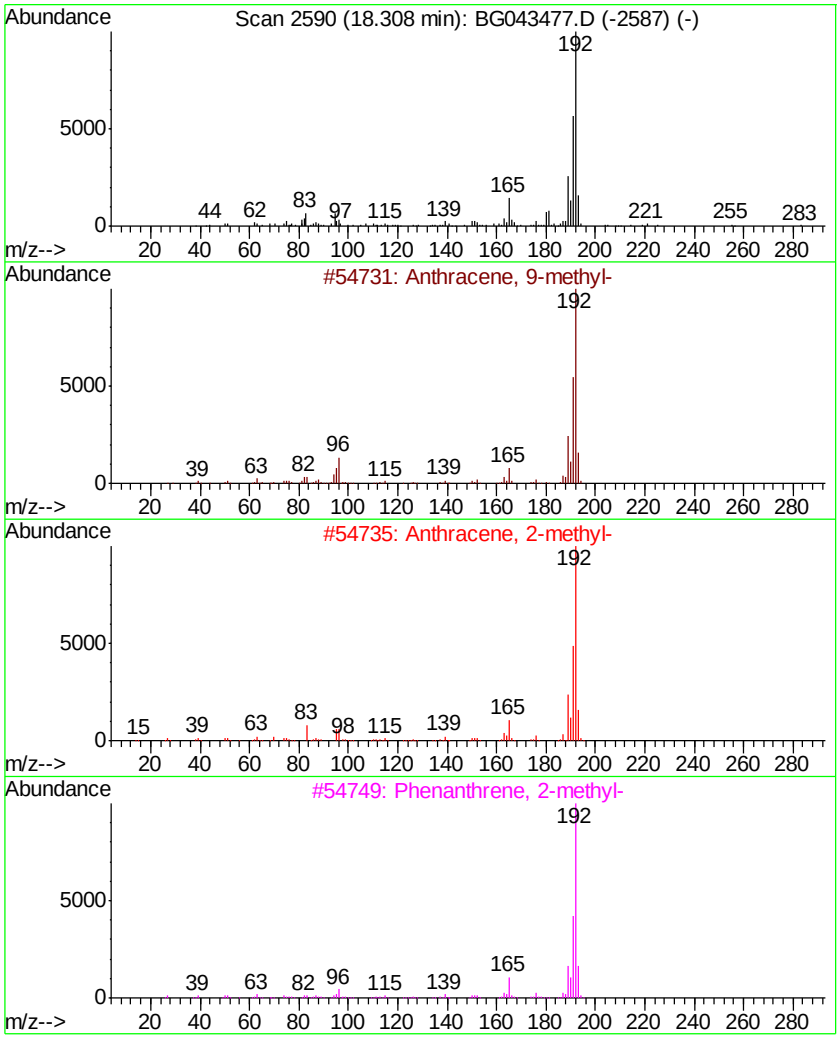
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

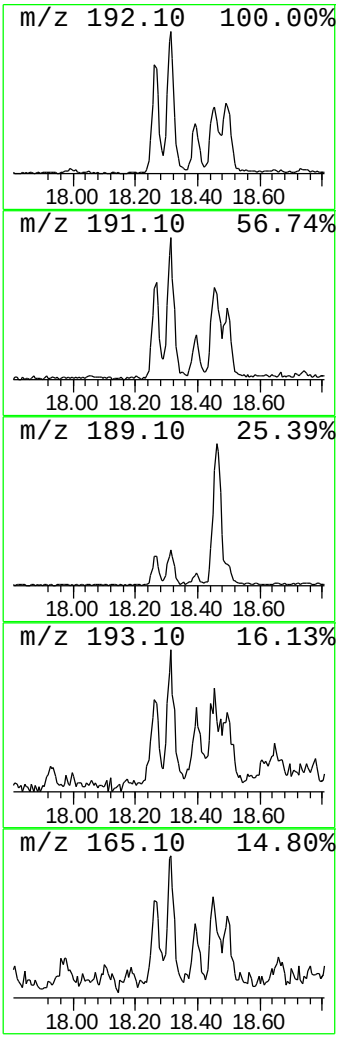
****

Peak Number 7 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	4.70 ng	178375	Phenanthrene-d10	17.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	89
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





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Acq On : 1 Nov 2019 22:28
Operator : JU
Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

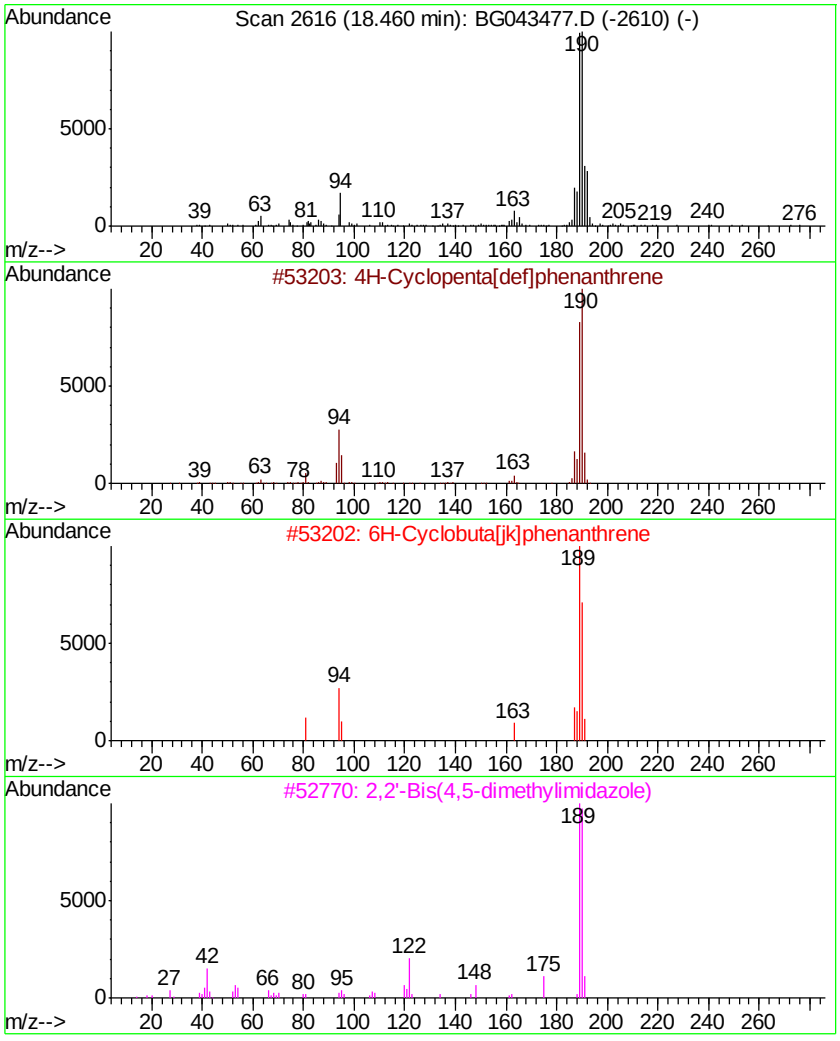
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

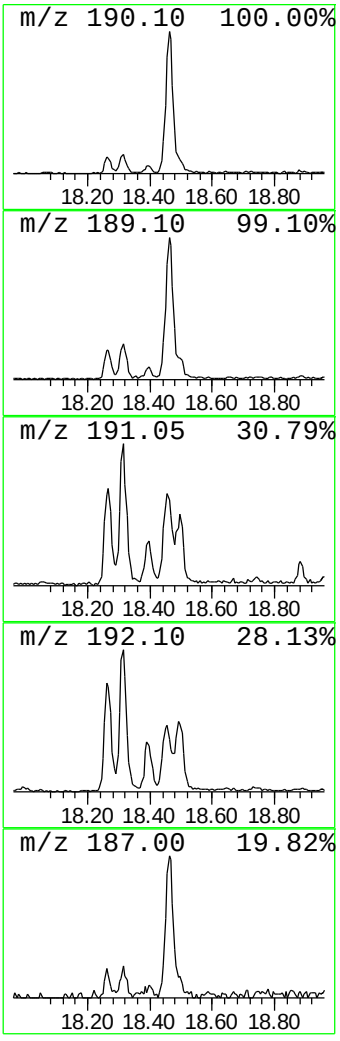
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	7.40 ng	280840	Phenanthrene-d10	17.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	Pyrimidine, 2-chloro-5-phenyl-	190	C10H7ClN2	022536-62-5	35
5	Megastigmatrienone	190	C13H18O	038818-55-2	25





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Operator : JU
Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

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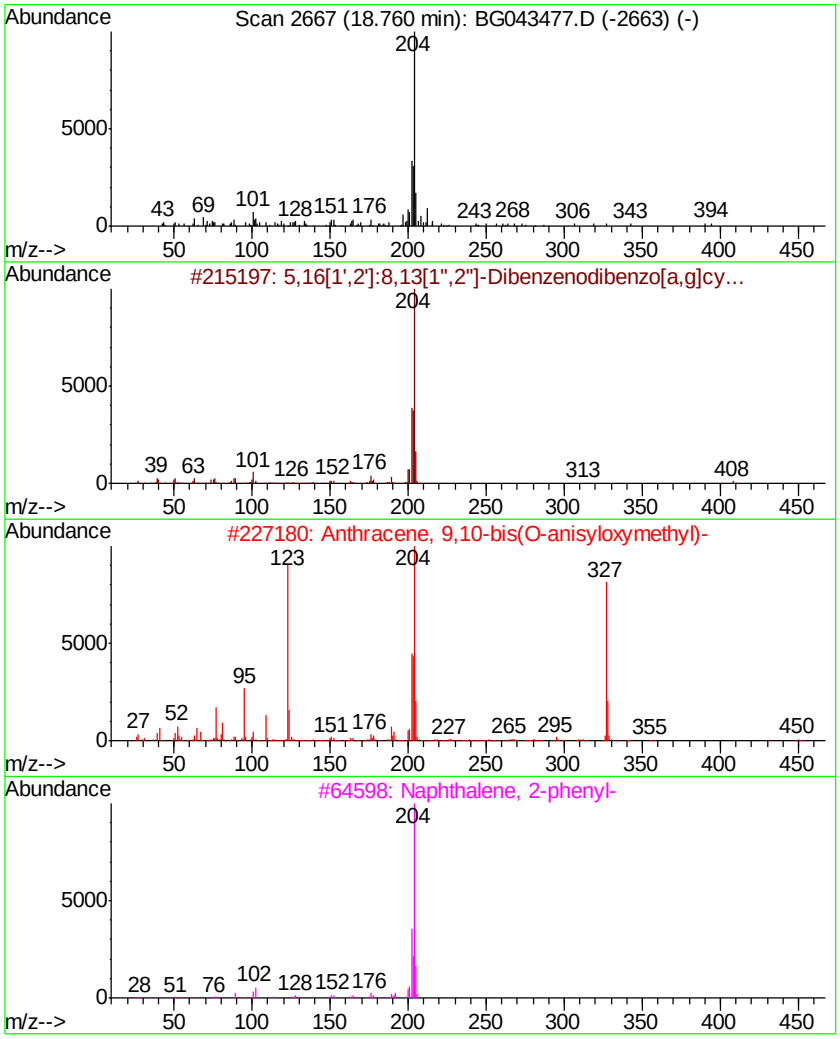
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

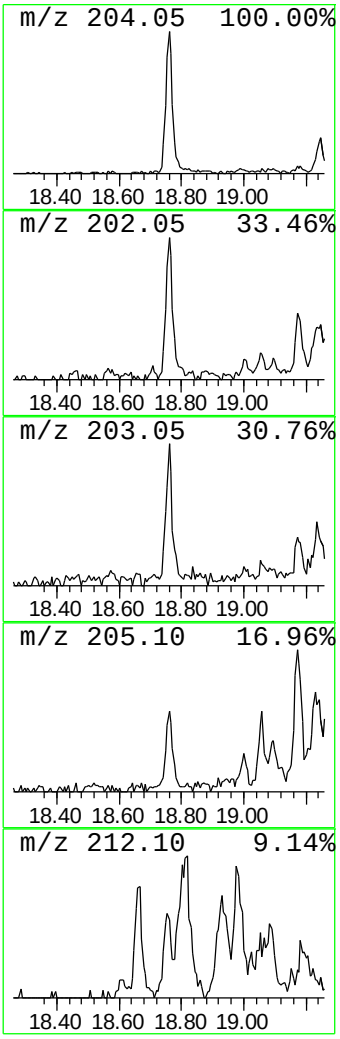
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	2.08 ng	78877	Phenanthrene-d10	17.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
2	Anthracene, 9,10-bis(O-anisyloxy...	450	C30H26O4	1000154-05-7	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	[1,2,4]Triazolo[5,1-b]quinazolin...	204	C10H12N4O	1000337-56-5	58
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

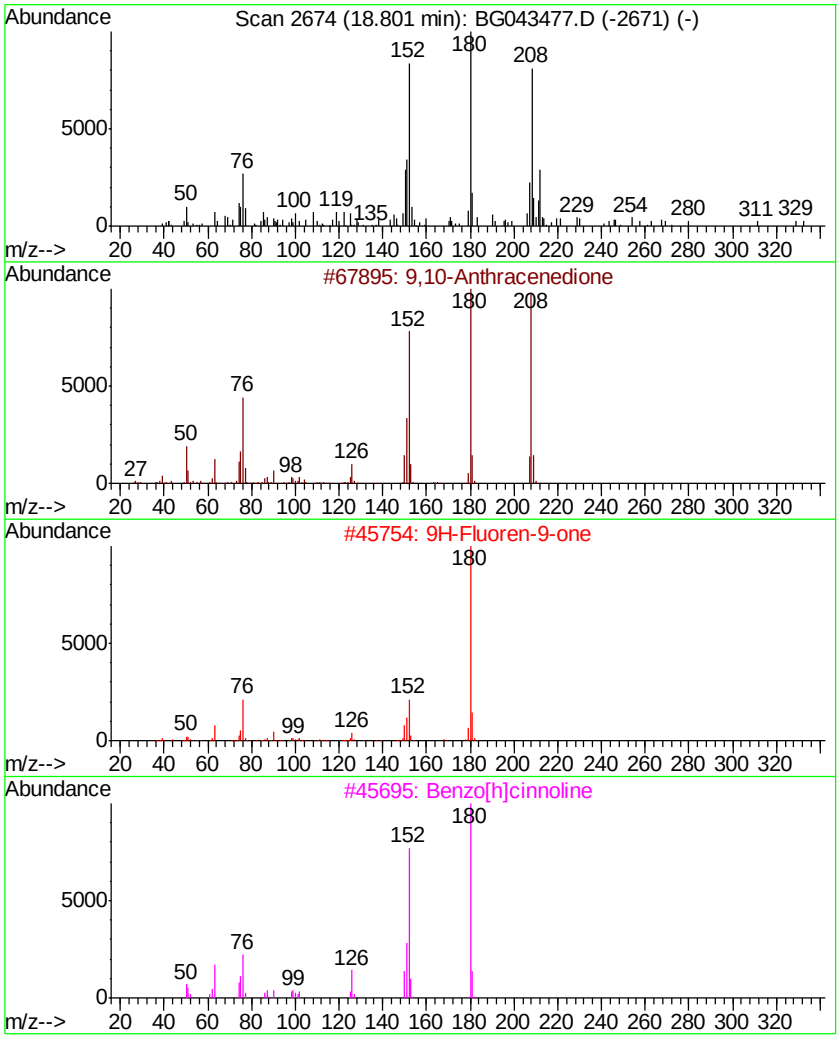
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

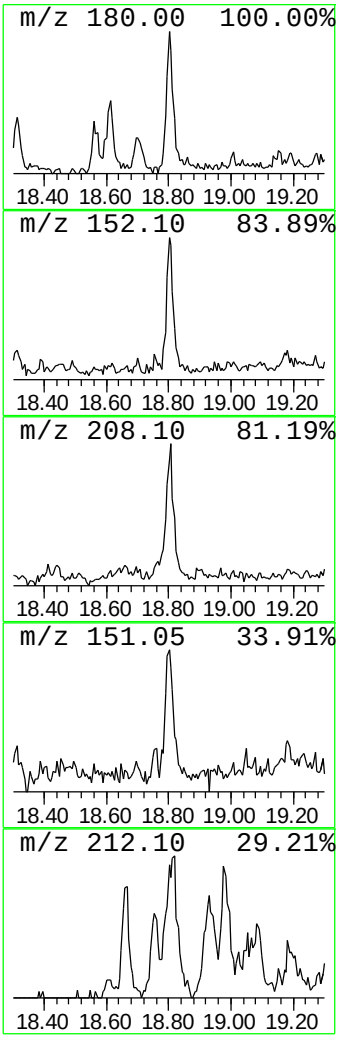
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	2.10 ng	79882	Phenanthrene-d10	17.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





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Acq On : 1 Nov 2019 22:28
Operator : JU
Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

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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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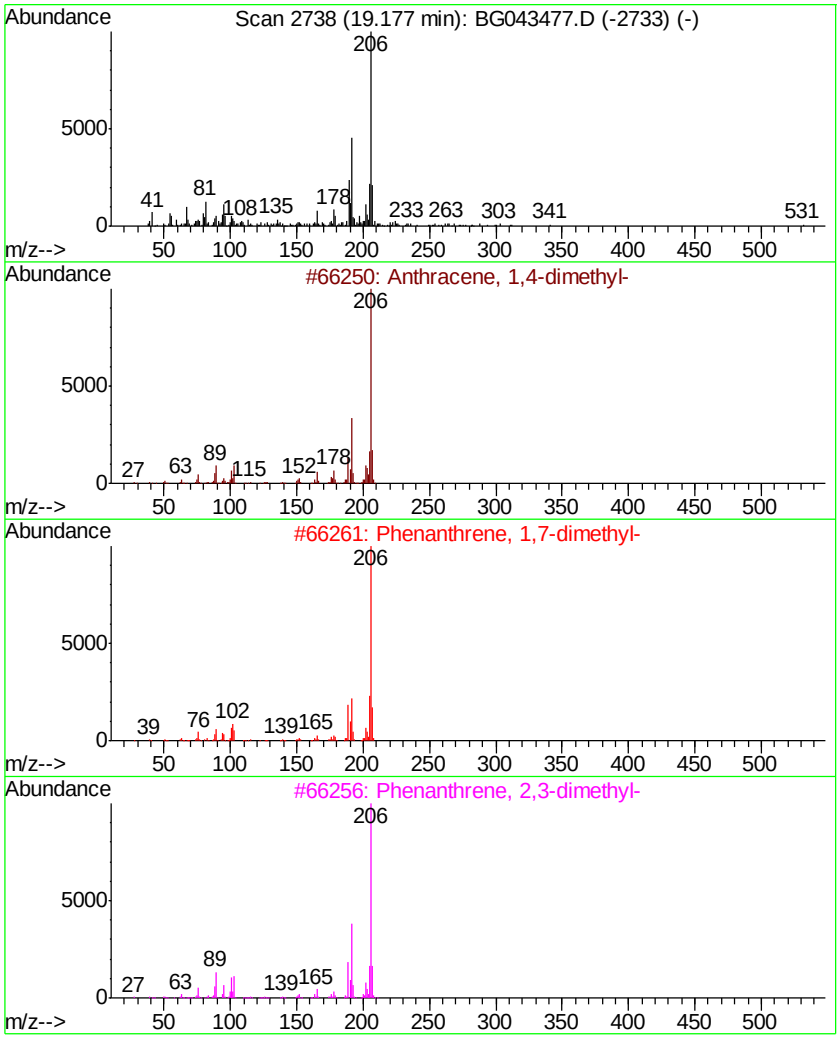
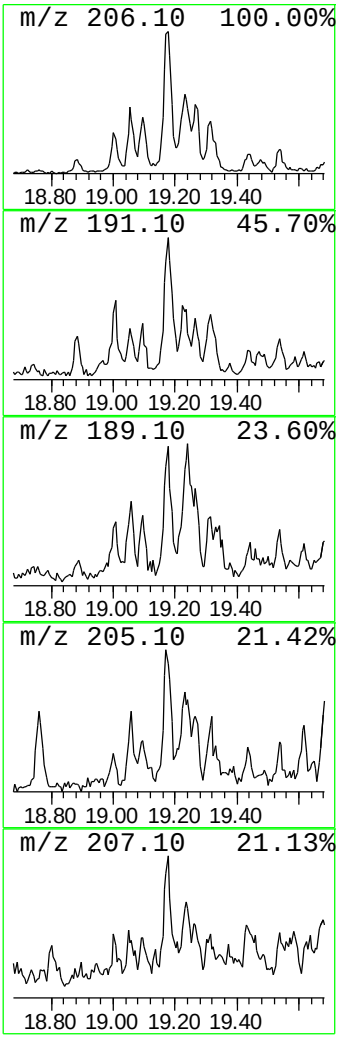
Peak Number 11 Anthracene, 1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.18	5.75 ng	218413	Phenanthrene-d10	17.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	76





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Acq On : 1 Nov 2019 22:28
Operator : JU
Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

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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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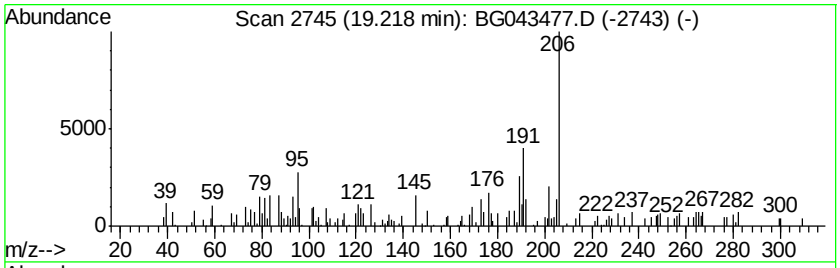
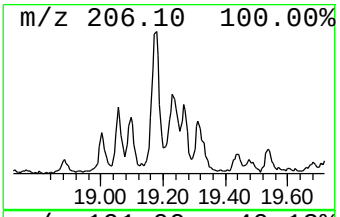
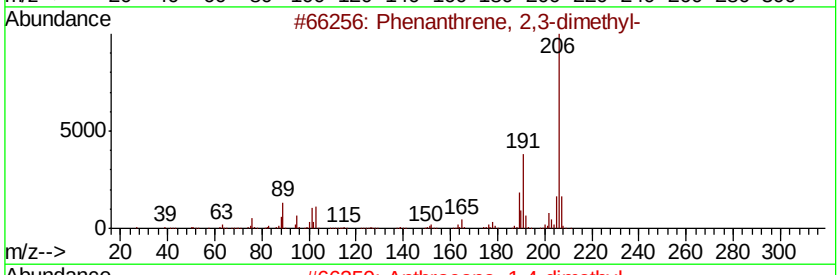
Peak Number 12 Phenanthrene, 2,3-dimethyl- Concentration Rank 16

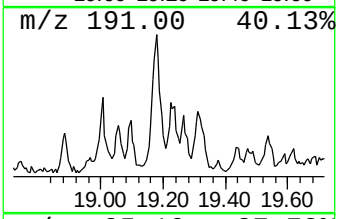
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	2.11 ng	80144	Phenanthrene-d10	17.39

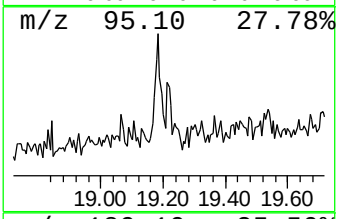
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	58
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	58
4	1-Trimethylsilyl-4-(1-methyl-1-s...	234	C13H22Si2	141682-10-2	53
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	53

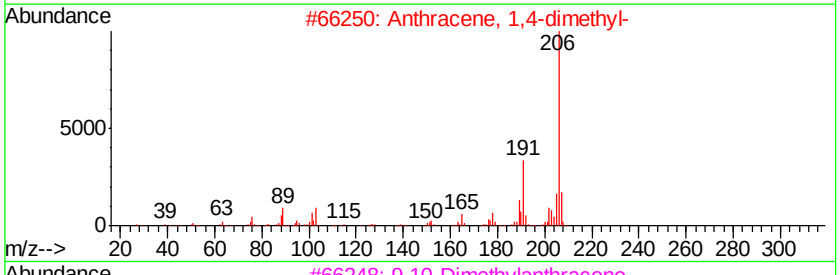


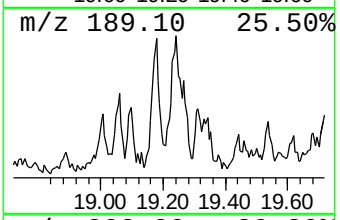


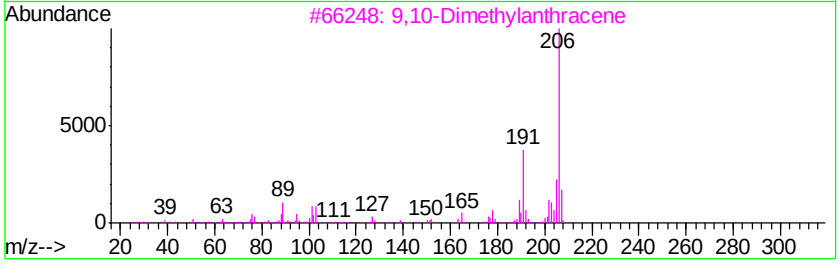


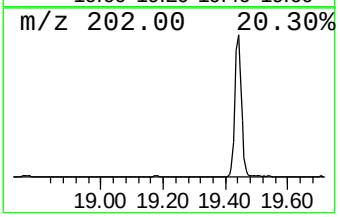












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Data File : BG043477.D
Acq On : 1 Nov 2019 22:28
Operator : JU
Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.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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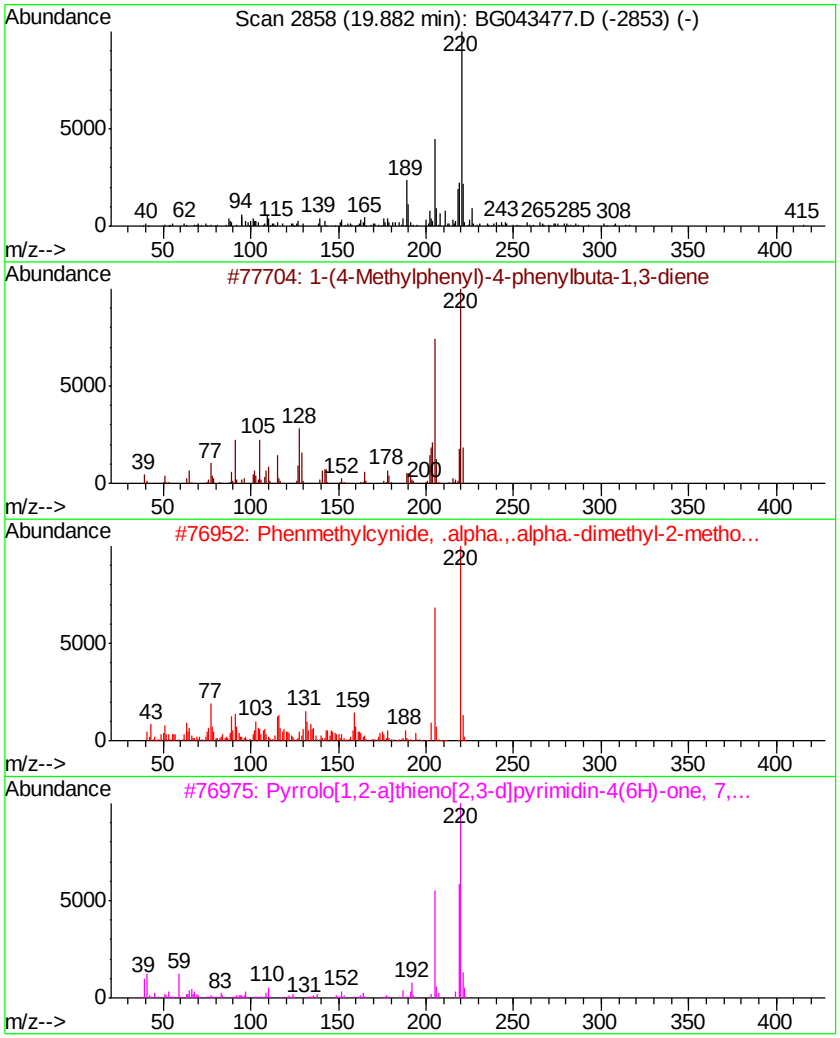
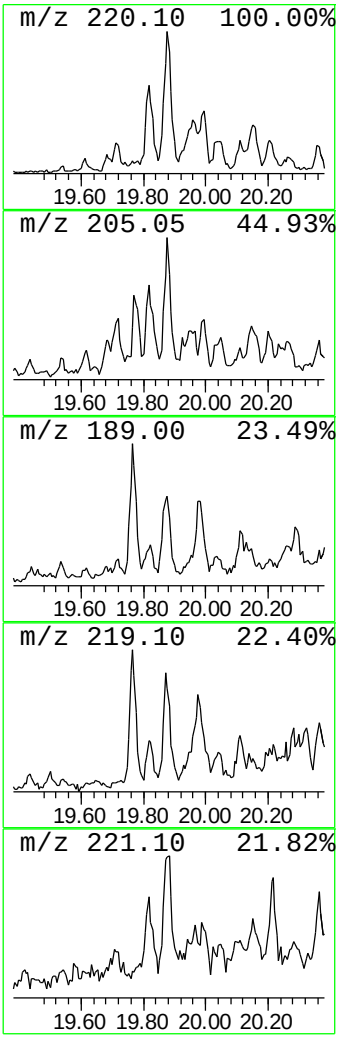
Peak Number 13 1-(4-Methylphenyl)-4-phenyl... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	2.10 ng	186171	Chrysene-d12	21.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	50
2	Phenmethylcynide, .alpha.,.alpha....	220	C11H12N2O3	1000128-94-6	47
3	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	46
4	3,5-Cyclohexadiene-1,2-dione, 3,...	220	C14H20O2	003383-21-9	46
5	Benzo[1,2-d:4,3-d']bisthiazole, ...	220	C10H8N2S2	1000332-36-2	41





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Operator : JU
Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

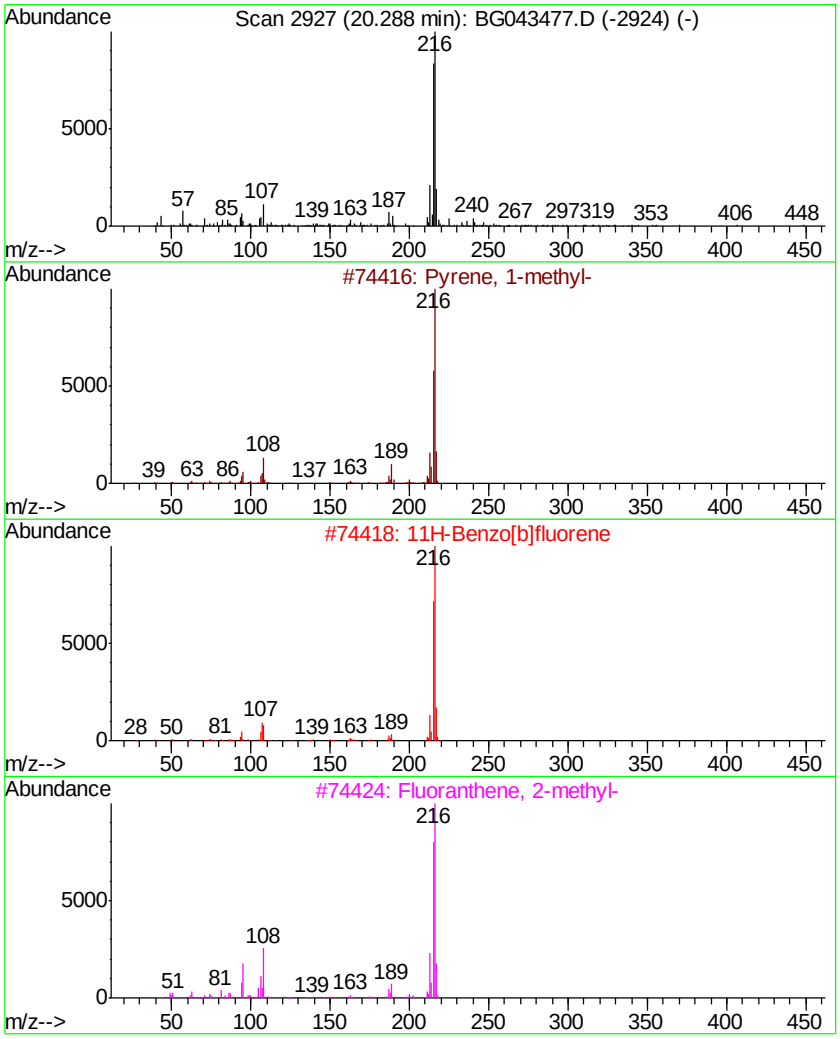
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

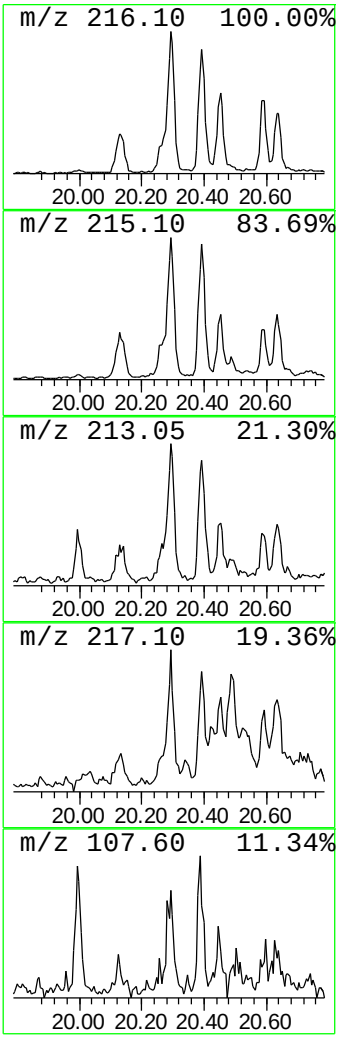
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	3.84 ng	340127	Chrysene-d12	21.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59





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Acq On : 1 Nov 2019 22:28
Operator : JU
Sample : K5147-08 2X
Misc :
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ClientSampleId : OK-01-103019

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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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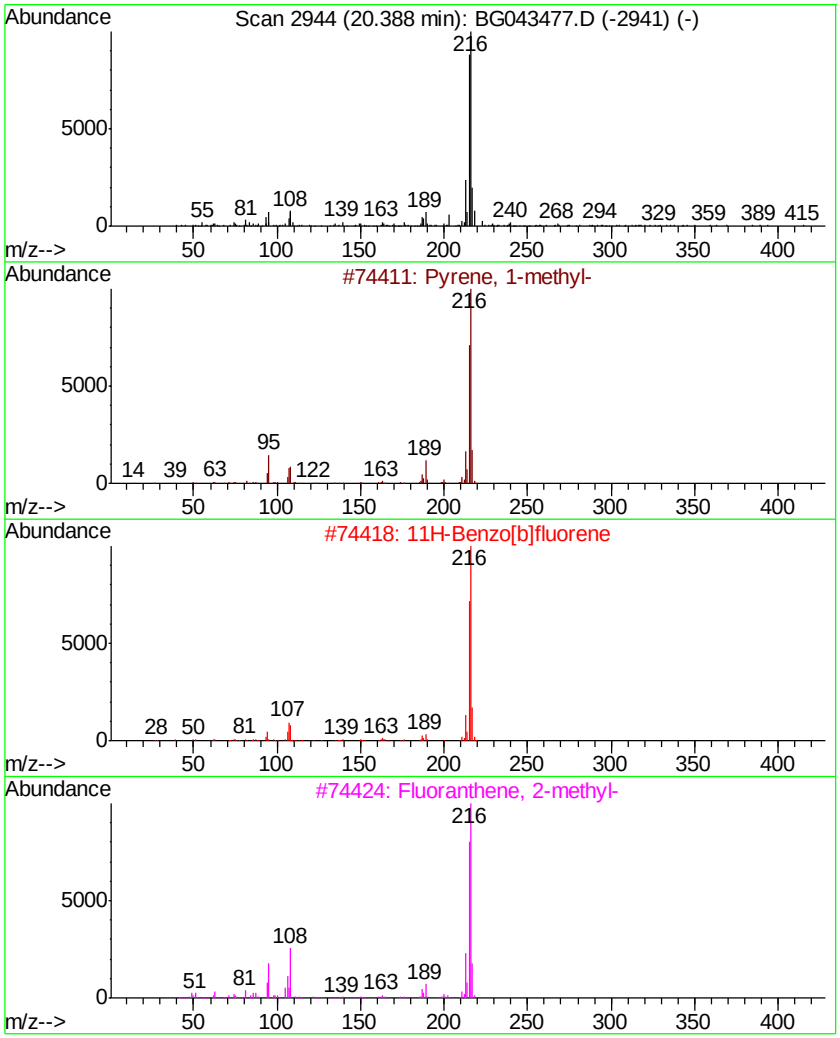
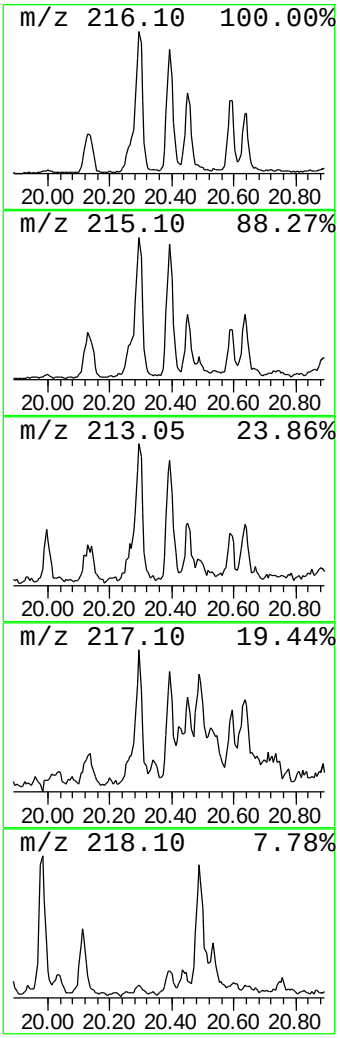
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	2.29 ng	202855	Chrysene-d12	21.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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ClientSampleId : OK-01-103019

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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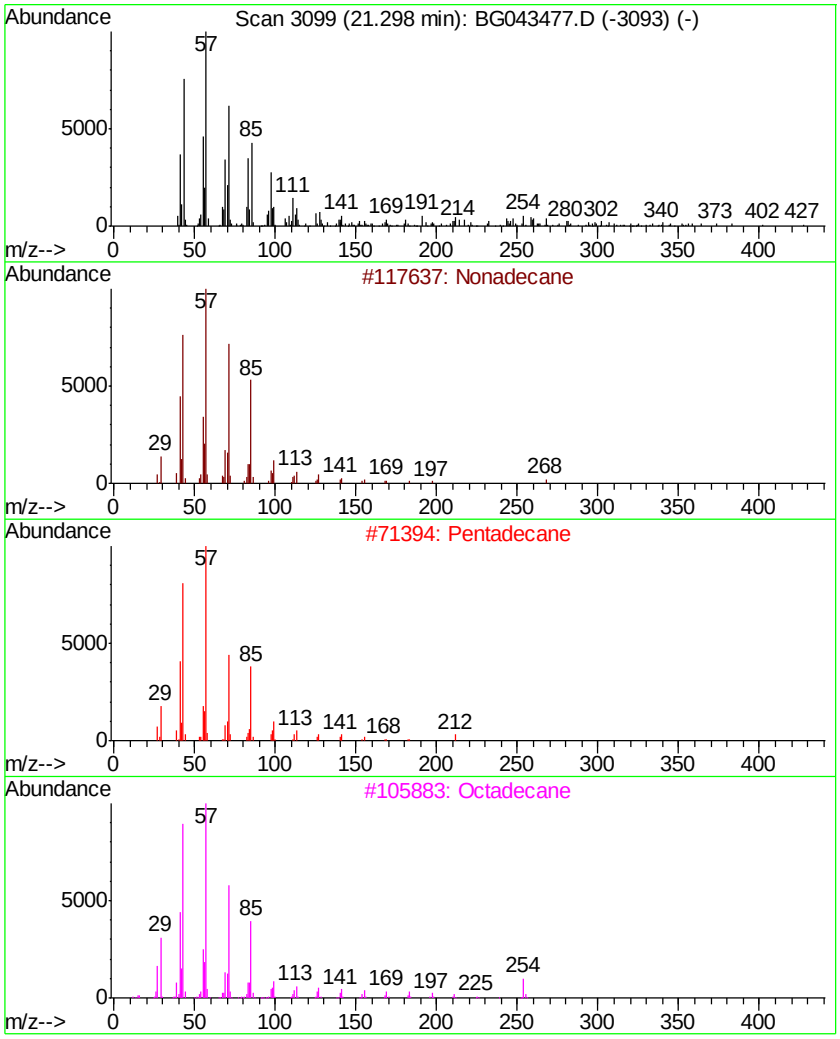
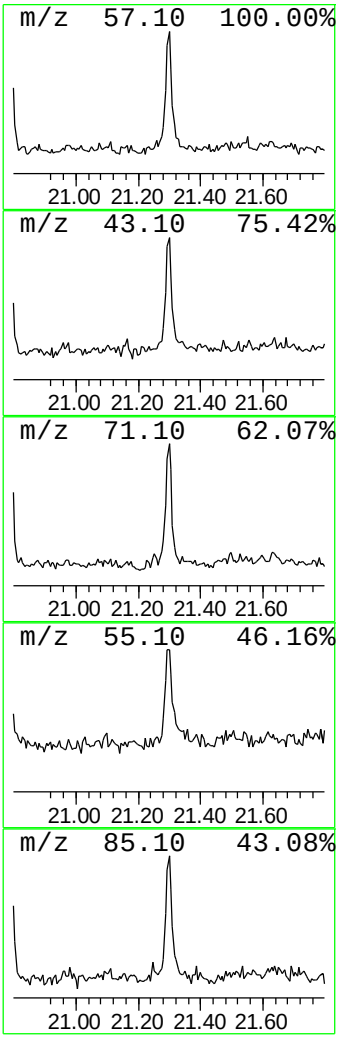
Peak Number 16 Nonadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.23 ng	197216	Chrysene-d12	21.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Pentadecane	212	C15H32	000629-62-9	90
3	Octadecane	254	C18H38	000593-45-3	83
4	Tricosane	324	C23H48	000638-67-5	78
5	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	70





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Instrument : BNA_G
ClientSampleId : OK-01-103019

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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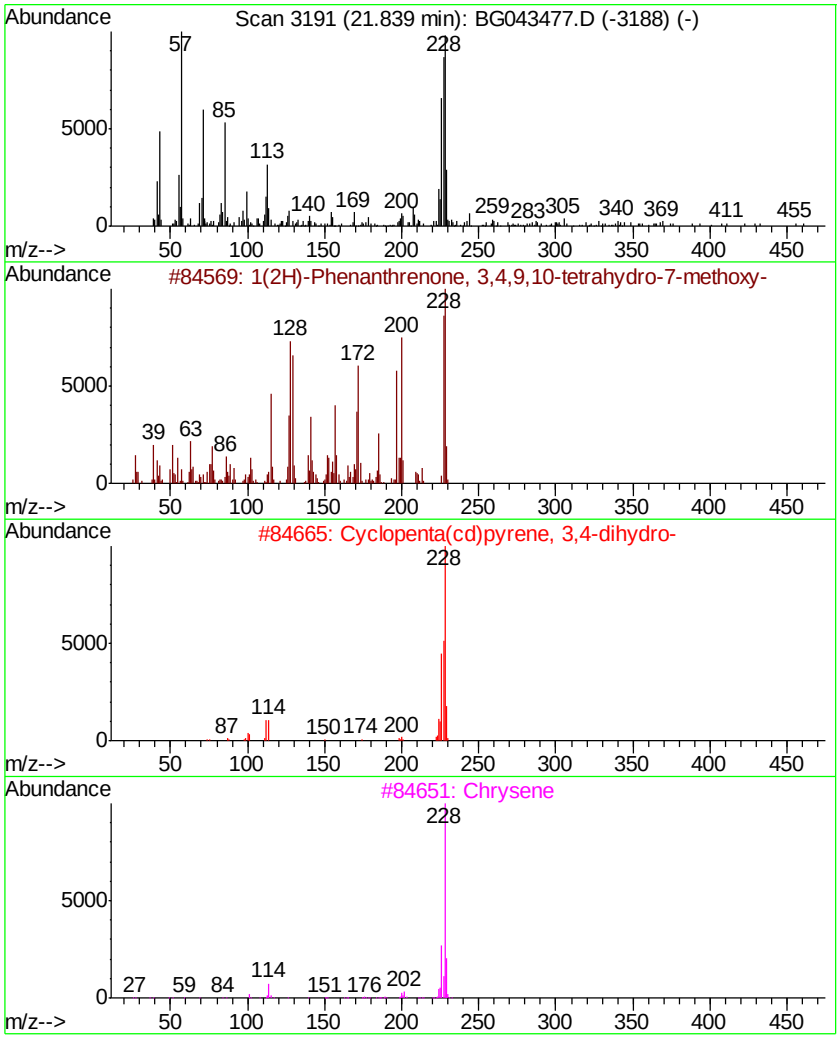
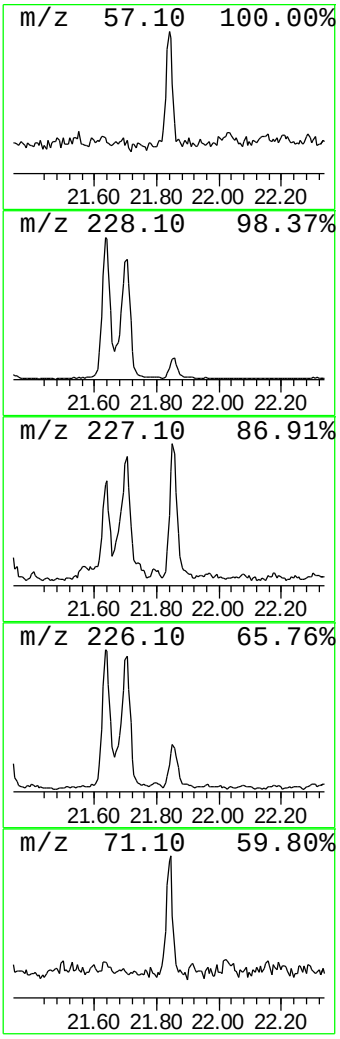
Peak Number 17 unknown21.84 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.84	2.78 ng	246203	Chrysene-d12	21.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	43
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	38
3	Chrysene	228	C18H12	000218-01-9	38
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	32





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Data File : BG043477.D
Acq On : 1 Nov 2019 22:28
Operator : JU
Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.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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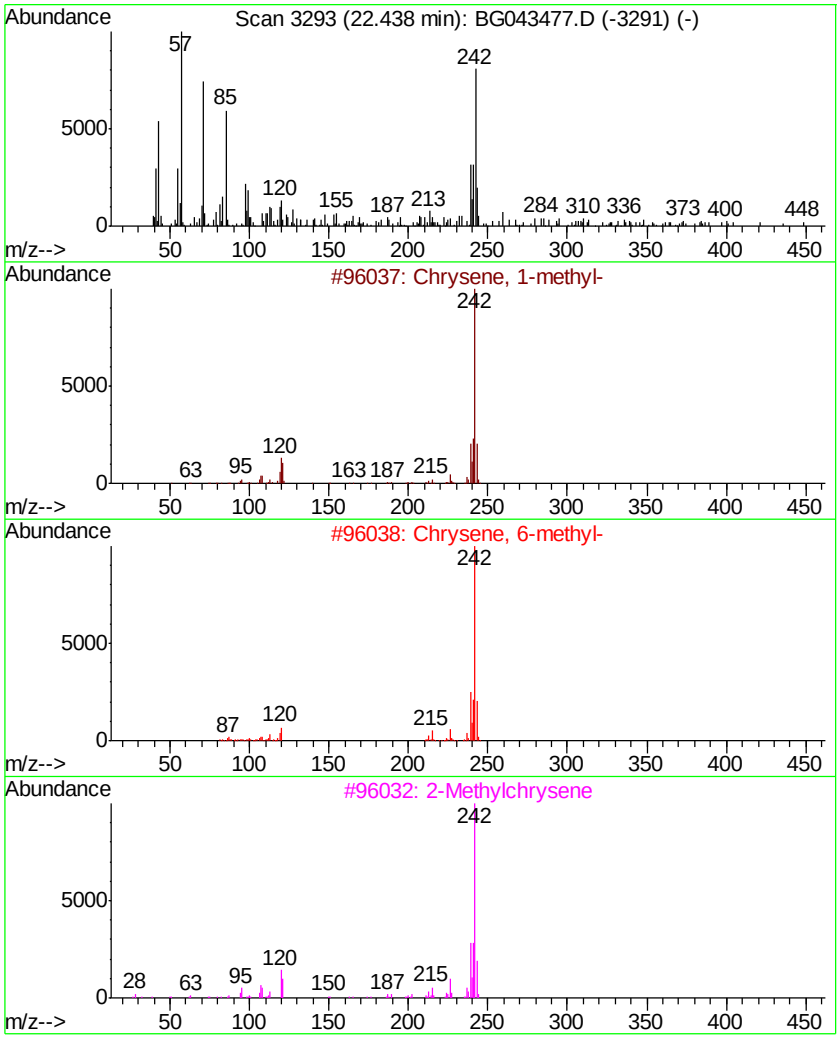
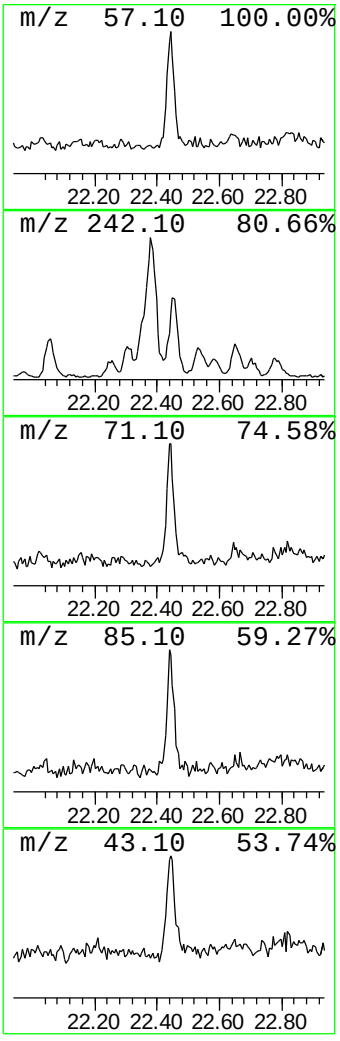
Peak Number 18 Chrysene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.44	2.51 ng	222225	Chrysene-d12	21.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	64
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	62
3	2-Methylchrysene	242	C19H14	003351-32-4	60
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	60
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
Data File : BG043477.D
Acq On : 1 Nov 2019 22:28
Operator : JU
Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.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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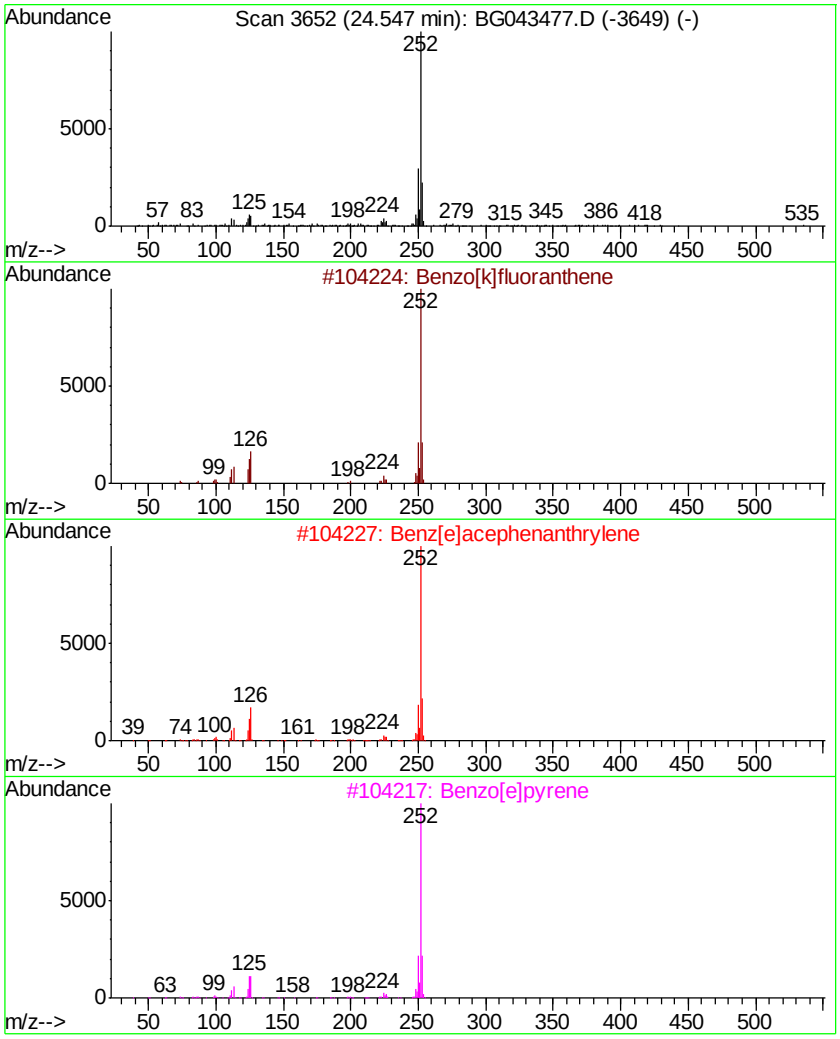
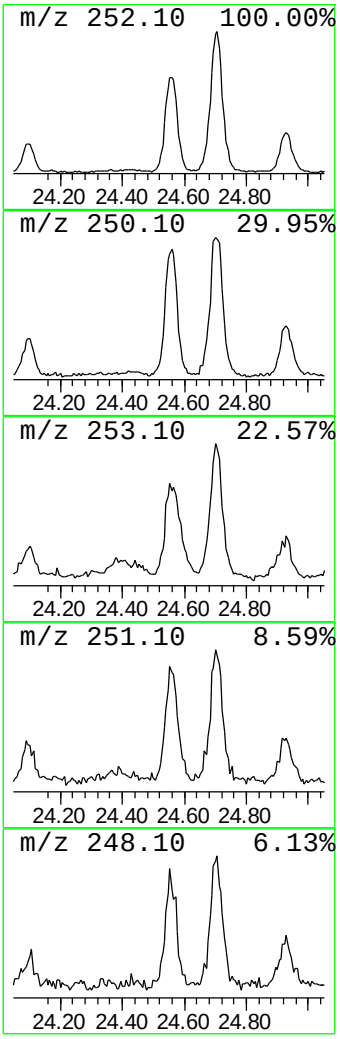
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.55	9.31 ng	450351	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[e]pyrene	252	C20H12	000192-97-2	90
4	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	80
5	1,1'-Binaphthalene, 2,2'-dibromo-	410	C20H12Br2	074866-28-7	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG110119\
Data File : BG043477.D
Acq On : 1 Nov 2019 22:28
Operator : JU
Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-103019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.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
Butane, 2-methoxy...	3.19	6.3	ng	104367	1	8.01	332050	20.0
2-Pentanone, 4-hy...	5.12	6.6	ng	108834	1	8.01	332050	20.0
unknown7.56	7.56	37.6	ng	624131	1	8.01	332050	20.0
Naphtho[2,1-b]thi...	17.21	2.7	ng	103051	4	17.39	759516	20.0
Phenanthrene, 2-m...	18.27	4.7	ng	178722	4	17.39	759516	20.0
Anthracene, 9-met...	18.31	4.7	ng	178375	4	17.39	759516	20.0
4H-Cyclopenta[def...	18.46	7.4	ng	280840	4	17.39	759516	20.0
5,16[1',2']:8,13[...	18.76	2.1	ng	78877	4	17.39	759516	20.0
9,10-Anthracenedione	18.80	2.1	ng	79882	4	17.39	759516	20.0
Anthracene, 1,4-d...	19.18	5.8	ng	218413	4	17.39	759516	20.0
Phenanthrene, 2,3...	19.22	2.1	ng	80144	4	17.39	759516	20.0
1-(4-Methylphenyl...	19.88	2.1	ng	186171	5	21.66	1770630	20.0
Pyrene, 1-methyl-	20.29	3.8	ng	340127	5	21.66	1770630	20.0
Fluoranthene, 2-m...	20.39	2.3	ng	202855	5	21.66	1770630	20.0
Nonadecane	21.30	2.2	ng	197216	5	21.66	1770630	20.0
unknown21.84	21.84	2.8	ng	246203	5	21.66	1770630	20.0
Chrysene, 1-methyl-	22.44	2.5	ng	222225	5	21.66	1770630	20.0
Benzo[e]pyrene	24.55	9.3	ng	450351	6	24.85	967472	20.0