LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(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-BG091219.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	3.218	16	22	30	rBV	217707	444614	5.62%	0.406%
2	3.295	30	35	46	rVB	501385	789628	9.98%	0.720%
3	5.686	435	442	451	rVB	1558785	2532399	32.02%	2.310%
4	6.121	508	516	523	rBV4	43309	129381	1.64%	0.118%
5	7.272	703	712	723	rBV	1676002	2992501	37.83%	2.729%
6	7.648	768	776	786	rBV	1547007	2725870	34.46%	2.486%
7	7.783	791	799	809	rBV5	58279	175215	2.22%	0.160%
8	8.118	849	856	863	rBV	421871	732732	9.26%	0.668%
9	8.441	903	911	917	rBV	1048103	1861413	23.53%	1.698%
10	8.500	917	921	928	rVB	119474	197304	2.49%	0.180%
11	8.671	944	950	959	rBV	63474	142384	1.80%	0.130%
12	9.276	1039	1053	1064	rBV	966154	1865935	23.59%	1.702%
13	10.339	1226	1234	1243	rBV7	50873	163148	2.06%	0.149%
14	10.927	1322	1334	1340	rBV	554275	1073598	13.57%	0.979%
15	12.249	1549	1559	1564	rBV	33758	108237	1.37%	0.099%
16	12.789	1640	1651	1659	rVB2	158636	315015	3.98%	0.287%
17	13.365	1742	1749	1759	rVB	1924188	3141732	39.72%	2.866%
18	13.571	1781	1784	1791	rVB3	57531	100036	1.26%	0.091%
19	13.912	1836	1842	1847	rVB5	40747	90970	1.15%	0.083%
20	14.064	1863	1868	1877	rBV4	69289	154691	1.96%	0.141%
21	14.182	1882	1888	1893	rVV2	594028	1056945	13.36%	0.964%
22	14.229	1893	1896	1900	rVV	135287	185492	2.35%	0.169%
23	14.293	1900	1907	1911	rVV3	109904	219939	2.78%	0.201%
24	14.458	1929	1935	1947	rBV	468530	1025407	12.96%	0.935%
25	14.581	1951	1956	1961	rVV4	101986	166454	2.10%	0.152%
26	14.640	1961	1966	1971	rVB2	109085	163222	2.06%	0.149%
27	14.734	1971	1982	1987	rBV	842466	1470505	18.59%	1.341%
28	14.799	1987	1993	1999	rVB3	279221	533055	6.74%	0.486%
29	15.134	2047	2050	2055	rVB3	80132	124957	1.58%	0.114%
30	15.257	2068	2071	2078	rVB2	93157	152293	1.93%	0.139%
31	15.333	2079	2084	2090	rBV4	105660	254247	3.21%	0.232%
32	15.586	2124	2127	2134	rVB2	174174	283259	3.58%	0.258%
33	15.780	2155	2160	2173	rVB2	207246	481017	6.08%	0.439%
34	15.903	2176	2181	2185	rBV3	87088	145390	1.84%	0.133%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(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-BG091219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.991	2191	2196	2205	rBV2	289561	489836	6.19%	0.447%
36	16.144	2219	2222	2227	rVB4	54554	88667	1.12%	0.081%
37	16.215	2227	2234	2243	rBV	1848891	3054715	38.62%	2.786%
38	16.450	2269	2274	2276	rBV2	560719	861534	10.89%	0.786%
39	16.473	2276	2278	2284	rVB	487476	629666	7.96%	0.574%
40	16.585	2295	2297	2303	rBV6	62142	95122	1.20%	0.087%
41	17.237	2405	2408	2413	rVB	200418	253019	3.20%	0.231%
42	17.296	2414	2418	2426	rVB2	288838	479409	6.06%	0.437%
43	17.478	2444	2449	2454	rBV	951409	1422552	17.98%	1.298%
44	17.613	2469	2472	2475	rVB	116536	141795	1.79%	0.129%
45	17.678	2477	2483	2487	rBV5	138959	336371	4.25%	0.307%
46	17.783	2499	2501	2505	rVB4	95212	100872	1.28%	0.092%
47	17.983	2532	2535	2542	rVB4	185440	369457	4.67%	0.337%
48	18.365	2596	2600	2604	rBV6	207327	358166	4.53%	0.327%
49	18.483	2617	2620	2624	rBV2	147403	222714	2.82%	0.203%
50	18.553	2626	2632	2642	rVB3	764952	1523458	19.26%	1.390%
51	18.665	2648	2651	2656	rBV3	240466	346590	4.38%	0.316%
52	18.747	2662	2665	2669	rVB3	159041	212865	2.69%	0.194%
53	19.070	2716	2720	2723	rBV3	207517	334181	4.22%	0.305%
54	19.182	2735	2739	2743	rVB	326101	429505	5.43%	0.392%
55	19.264	2748	2753	2757	rBV2	745295	1257128	15.89%	1.147%
56	19.329	2760	2764	2768	rVV3	425301	638317	8.07%	0.582%
57	19.429	2773	2781	2792	rVB4	568272	1637341	20.70%	1.493%
58	19.528	2792	2798	2804	rBV	1599594	2387612	30.19%	2.178%
59	19.593	2805	2809	2812	rBV2	318583	445439	5.63%	0.406%
60	19.628	2812	2815	2819	rVB	246491	320614	4.05%	0.292%
61	19.675	2819	2823	2827	rBV2	332314	503917	6.37%	0.460%
62	19.769	2835	2839	2842	rBV2	250296	414094	5.24%	0.378%
63	19.893	2852	2860	2868	rVB	4773730	7909823	100.00%	7.215%
64	19.963	2868	2872	2877	rBV	510036	769083	9.72%	0.701%
65	20.016	2878	2881	2883	rBV3	156323	207745	2.63%	0.189%
66	20.051	2884	2887	2888	rVV	299882	337681	4.27%	0.308%
67	20.087	2888	2893	2897	rVV	2969760	4072428	51.49%	3.714%
68	20.122	2897	2899	2905	rVB2	332915	426088	5.39%	0.389%
69	20.210	2909	2914	2923	rVB3	702139	1598769	20.21%	1.458%
70	20.375	2933	2942	2948	rVB	1202310	3253387	41.13%	2.967%
71	20.480	2956	2960	2964	rVB	723634	910395	11.51%	0.830%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(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-BG091219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.539	2965	2970	2975	rBV	1405936	1945038	24.59%	1.774%
73	20.633	2983	2986	2989	rBV2	171832	234269	2.96%	0.214%
74	20.680	2989	2994	2997	rVV	1415003	1916630	24.23%	1.748%
75	20.727	2997	3002	3006	rVB	1214939	1717288	21.71%	1.566%
76	20.839	3018	3021	3026	rVB4	225710	322183	4.07%	0.294%
77	20.974	3041	3044	3047	rBV2	282098	405852	5.13%	0.370%
78	21.109	3061	3067	3071	rBV3	368591	952590	12.04%	0.869%
79	21.379	3109	3113	3116	rBV2	337638	453234	5.73%	0.413%
80	21.743	3169	3175	3182	rBV2	2415362	6196246	78.34%	5.652%
81	21.808	3182	3186	3194	rVB	1759669	3257005	41.18%	2.971%
82	21.914	3201	3204	3208	rVB3	194786	282786	3.58%	0.258%
83	21.973	3209	3214	3219	rBV5	294876	664920	8.41%	0.606%
84	22.425	3287	3291	3295	rBV	251818	451996	5.71%	0.412%
85	22.507	3296	3305	3311	rVV	997822	2499201	31.60%	2.280%
86	22.578	3313	3317	3325	rVV2	514235	1074227	13.58%	0.980%
87	22.672	3328	3333	3337	rVV3	374531	910159	11.51%	0.830%
88	22.719	3337	3341	3346	rVV2	441870	916246	11.58%	0.836%
89	22.783	3347	3352	3355	rVV	500980	989401	12.51%	0.902%
90	22.825	3356	3359	3370	rVB2	599285	1182657	14.95%	1.079%
91	22.930	3372	3377	3387	rVB2	308650	641739	8.11%	0.585%
92	23.054	3394	3398	3409	rVB4	104903	213272	2.70%	0.195%
93	24.006	3551	3560	3567	rBV2	883559	3169354	40.07%	2.891%
94	24.264	3597	3604	3613	rVB	372632	994346	12.57%	0.907%
95	24.734	3676	3684	3699	rVB	847356	2489577	31.47%	2.271%
96	24.887	3700	3710	3723	rVB	1530129	4303738	54.41%	3.925%
97	25.040	3726	3736	3743	rVV	604948	1789864	22.63%	1.633%
98	25.122	3744	3750	3765	rVB4	306130	1109322	14.02%	1.012%
99	28.776	4361	4372	4396	rVB4	401726	2216171	28.02%	2.021%
100	29.946	4561	4571	4586	rVB2	330792	1498914	18.95%	1.367%

Sum of corrected areas: 109637565

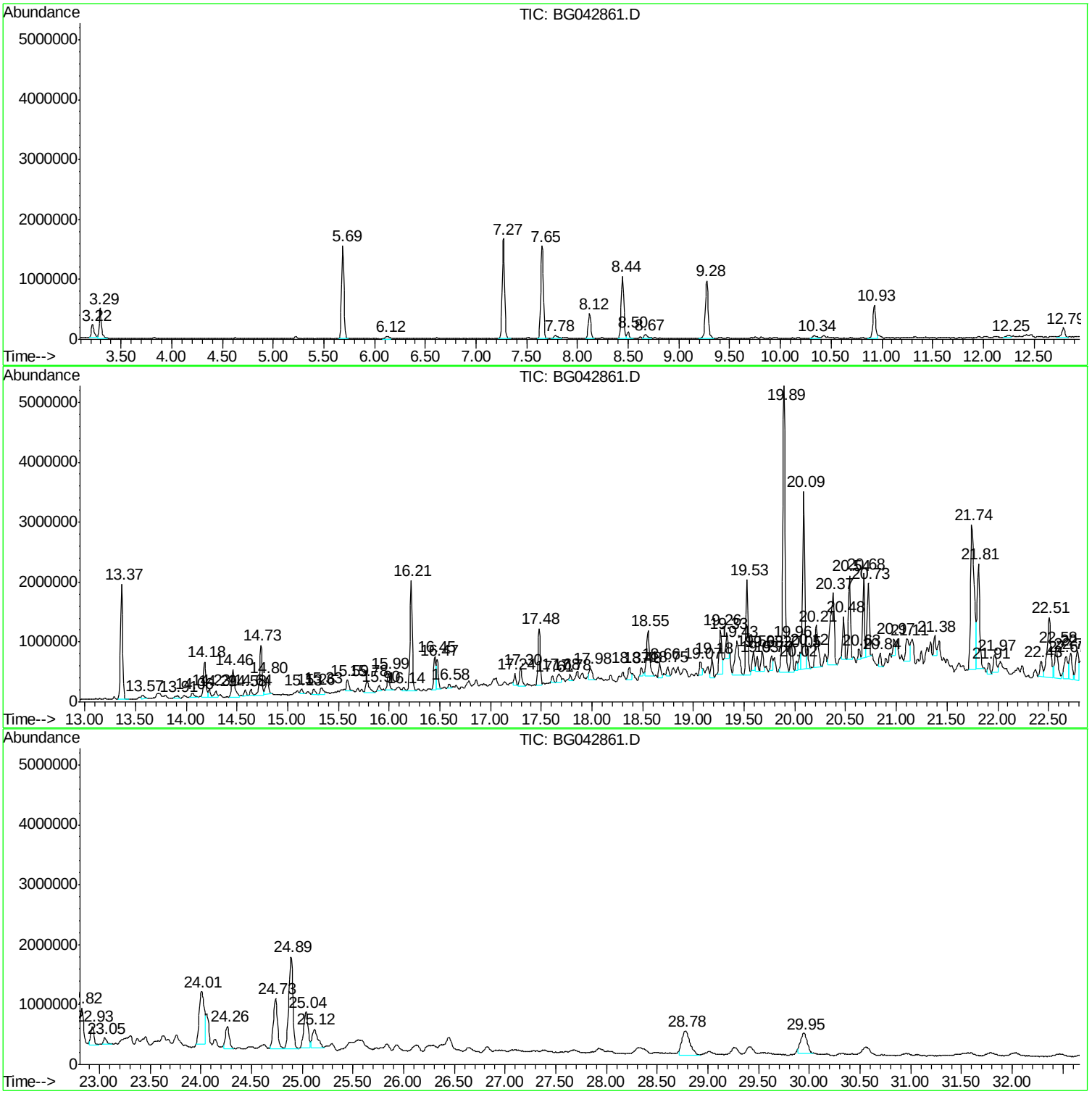
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

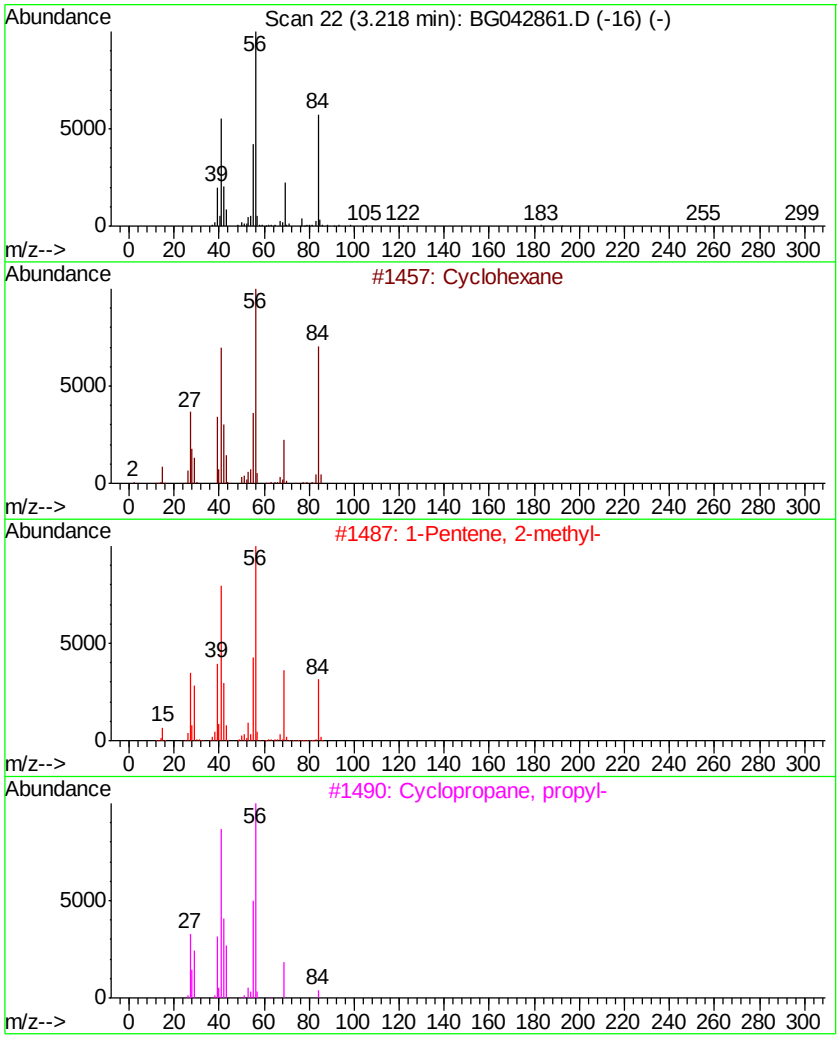
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

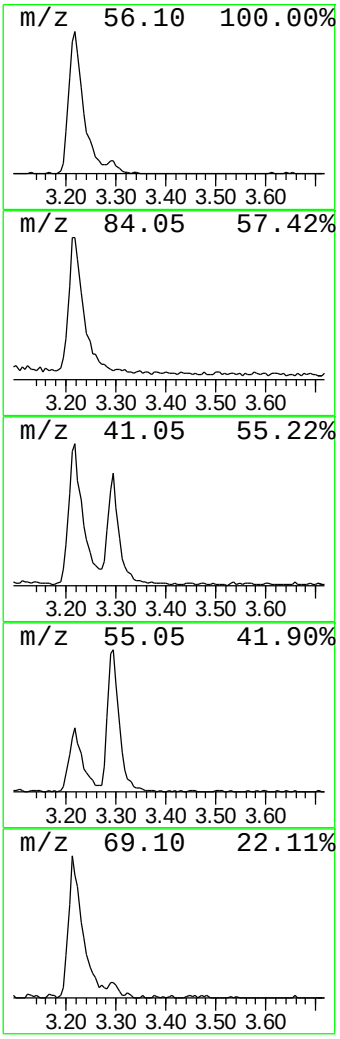
****

Peak Number 1 1-Pentene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.22	12.14 ng	444614	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	86
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	53
3	Cyclopropane, propyl-	84	C6H12	002415-72-7	53
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	47
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

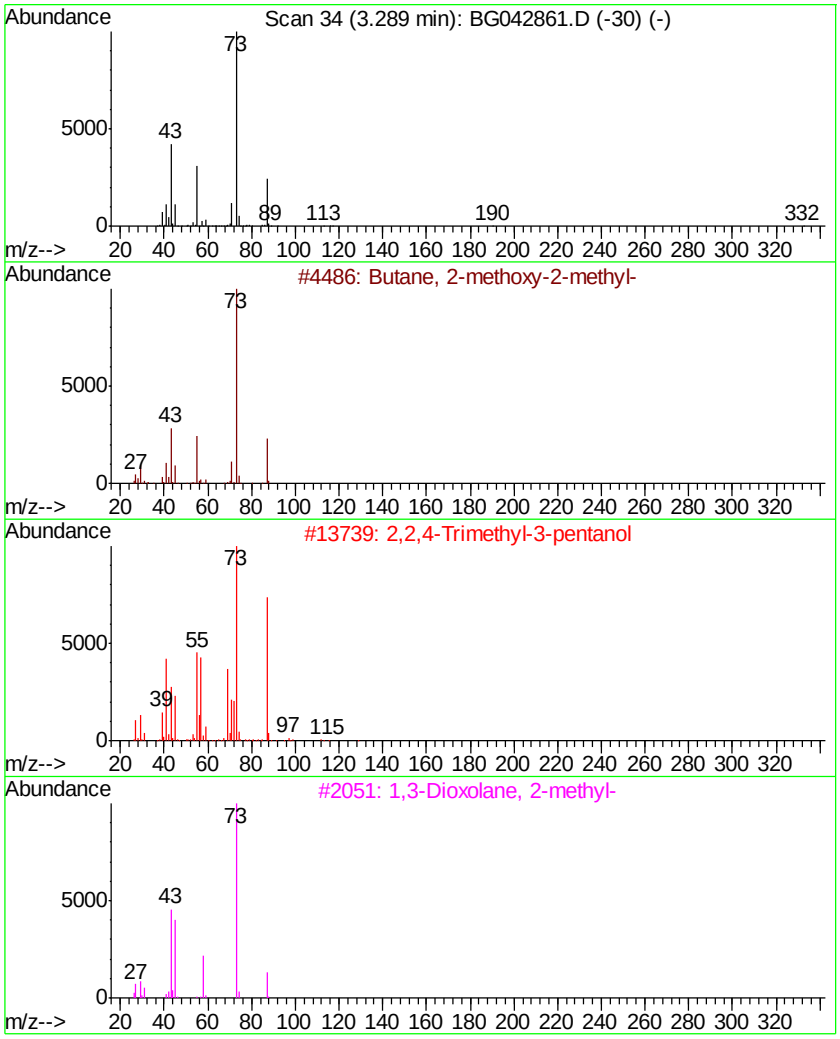
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

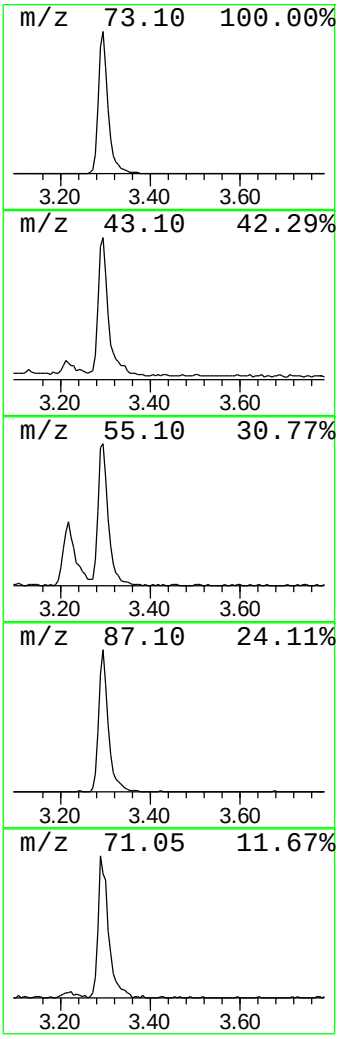
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.29	21.55 ng	789628	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

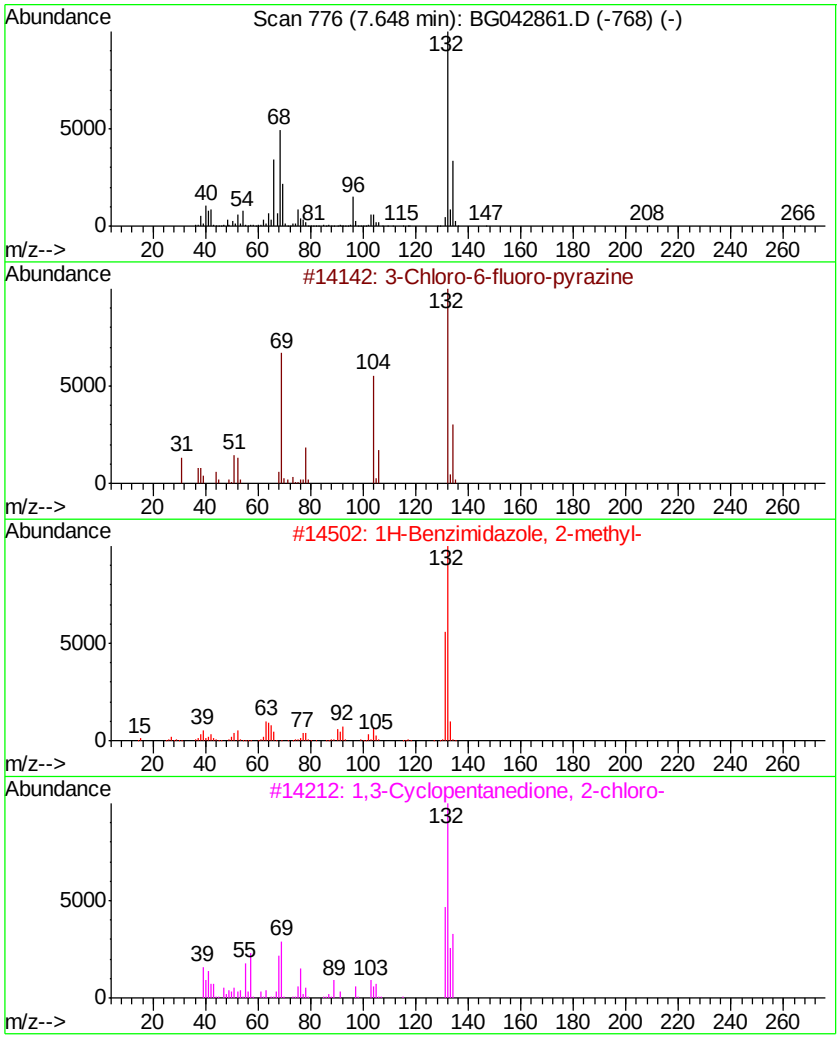
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

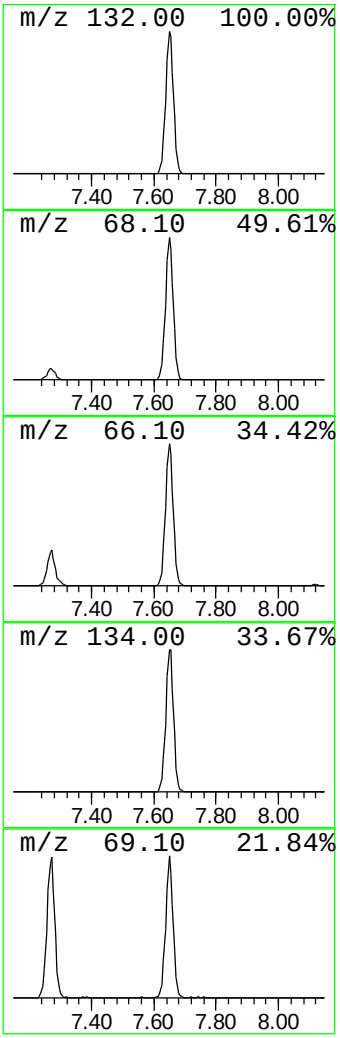
****

Peak Number 3 unknown7.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	74.40 ng	2725870	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

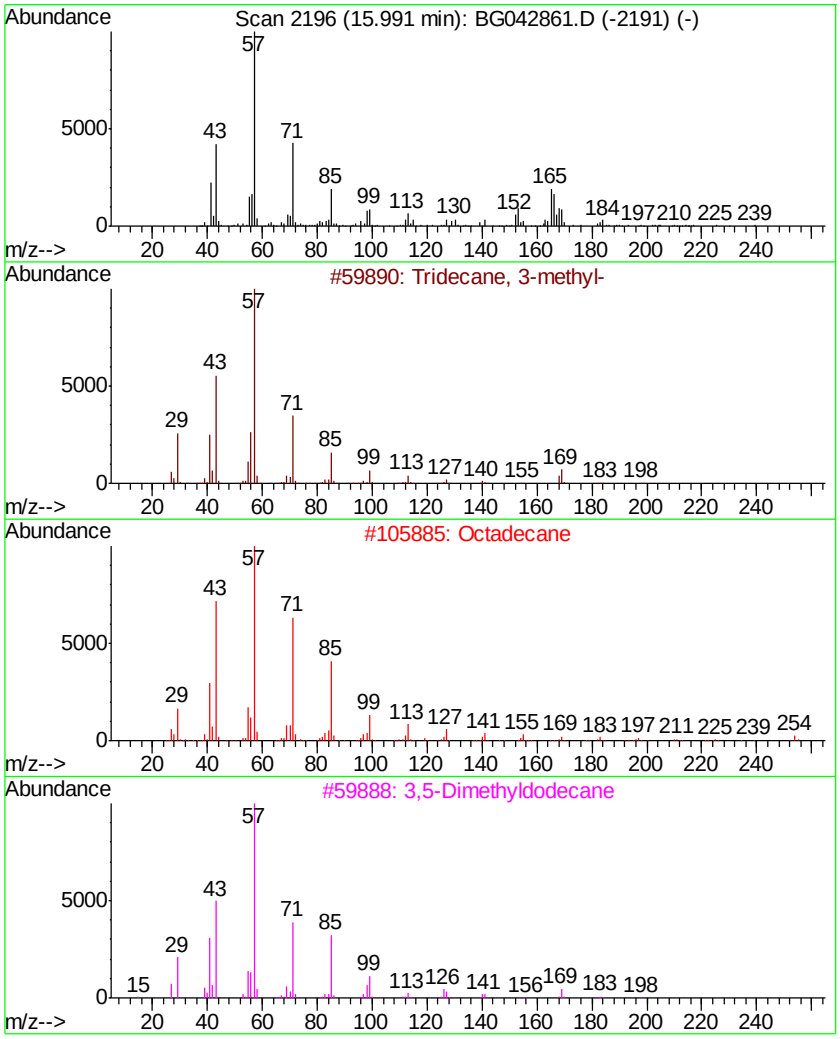
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

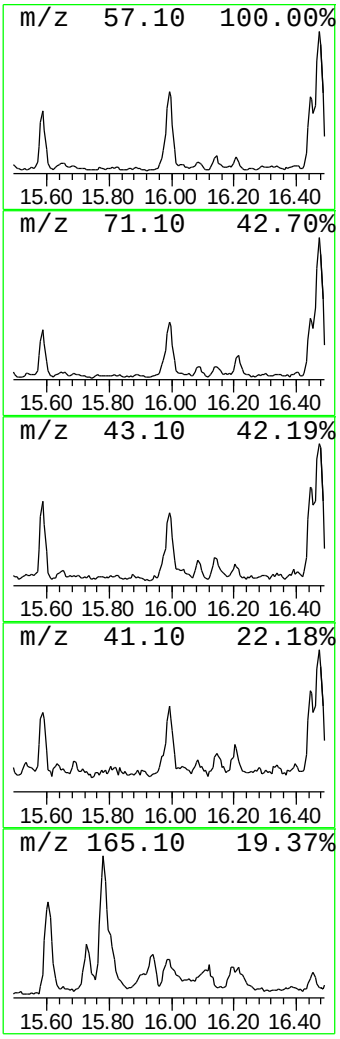
****

Peak Number 5 Tridecane, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	6.66 ng	489836	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	86
2	Octadecane	254	C18H38	000593-45-3	47
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	45
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	43
5	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

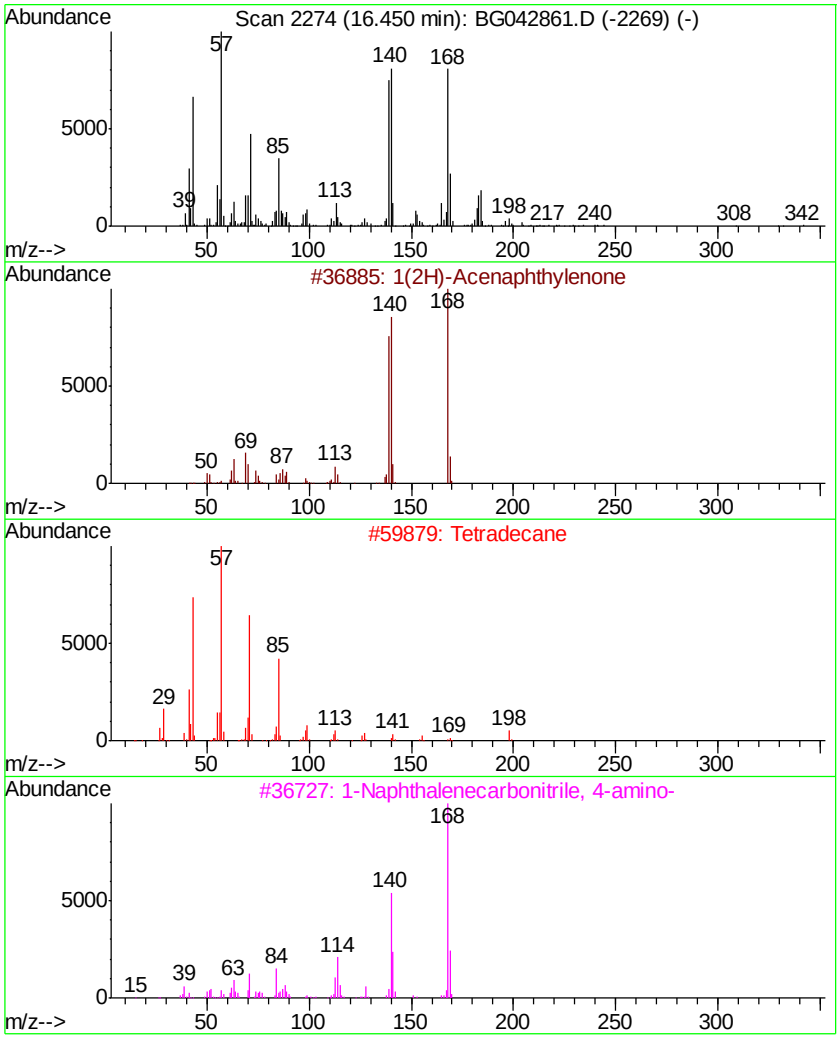
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

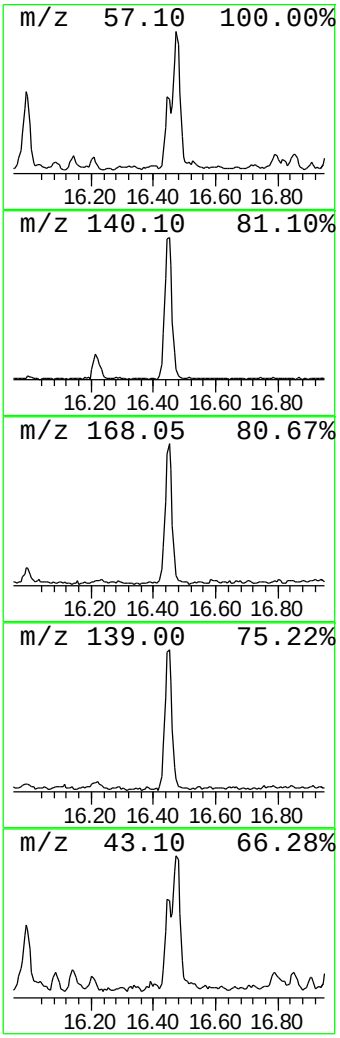
****

Peak Number 6 1(2H)-Acenaphthylenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	12.11 ng	861534	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	93
2	Tetradecane	198	C14H30	000629-59-4	56
3	1-Naphthalenecarbonitrile, 4-amino-	168	C11H8N2	058728-64-6	38
4	Benzaldehyde, 2-fluoro-4-hydroxy-	140	C7H5FO2	000348-27-6	38
5	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	38





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Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

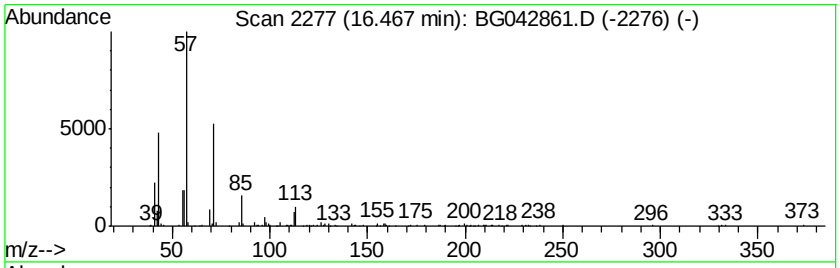
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

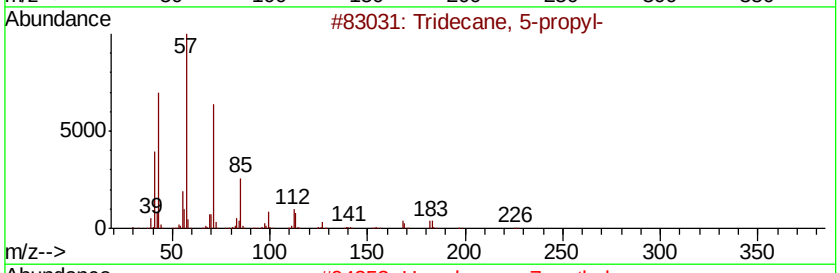
****

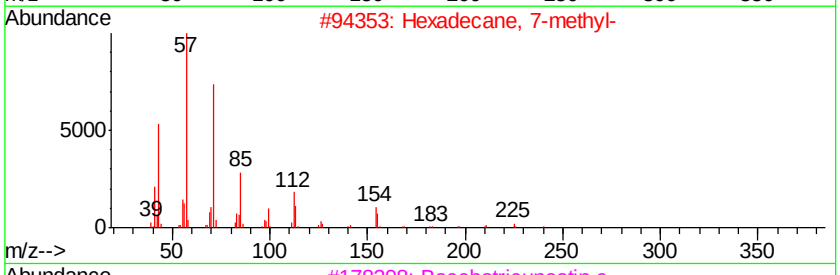
Peak Number 7 Tridecane, 5-propyl- Concentration Rank 14

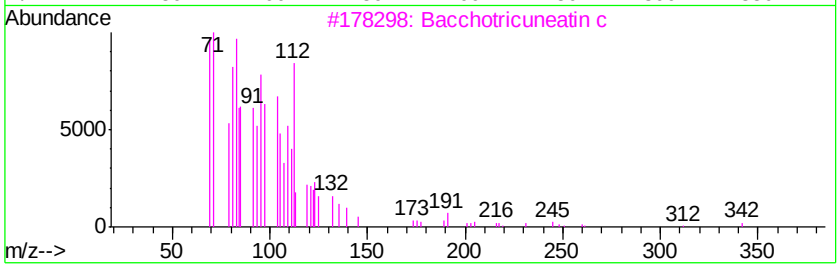
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	8.85 ng	629666	Phenanthrene-d10	17.48

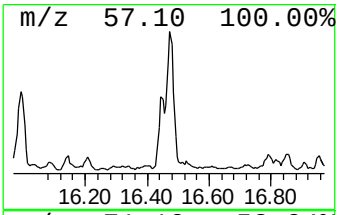
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
2	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	78
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	76
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	72

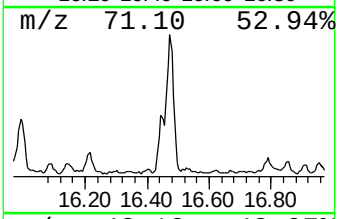


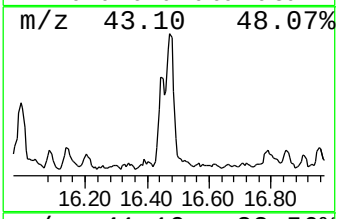


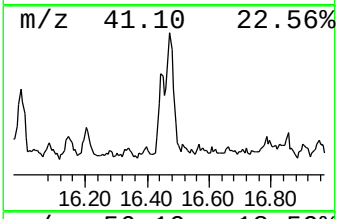


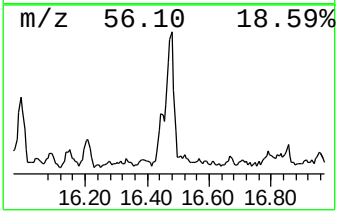












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Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG091219.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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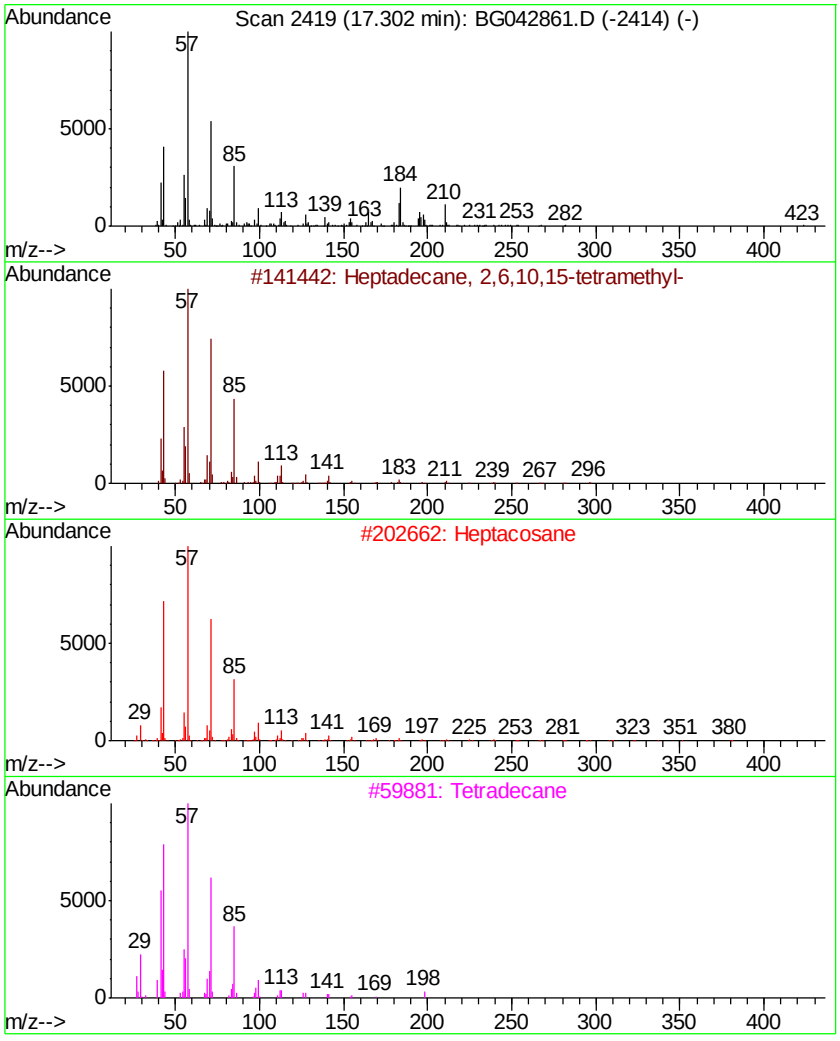
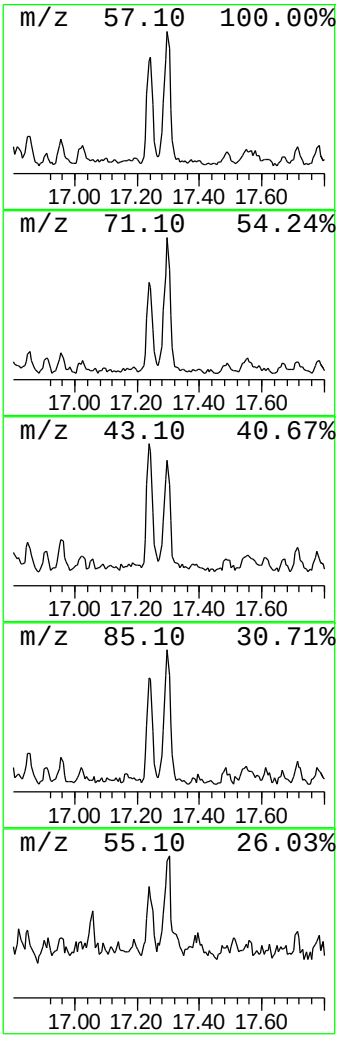
Peak Number 8 Heptadecane, 2,6,10,15-tetr... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	6.74 ng	479409	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	62
2	Heptacosane	380	C27H56	000593-49-7	58
3	Tetradecane	198	C14H30	000629-59-4	52
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	50
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	49





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Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
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ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId : AOC-7-(5)

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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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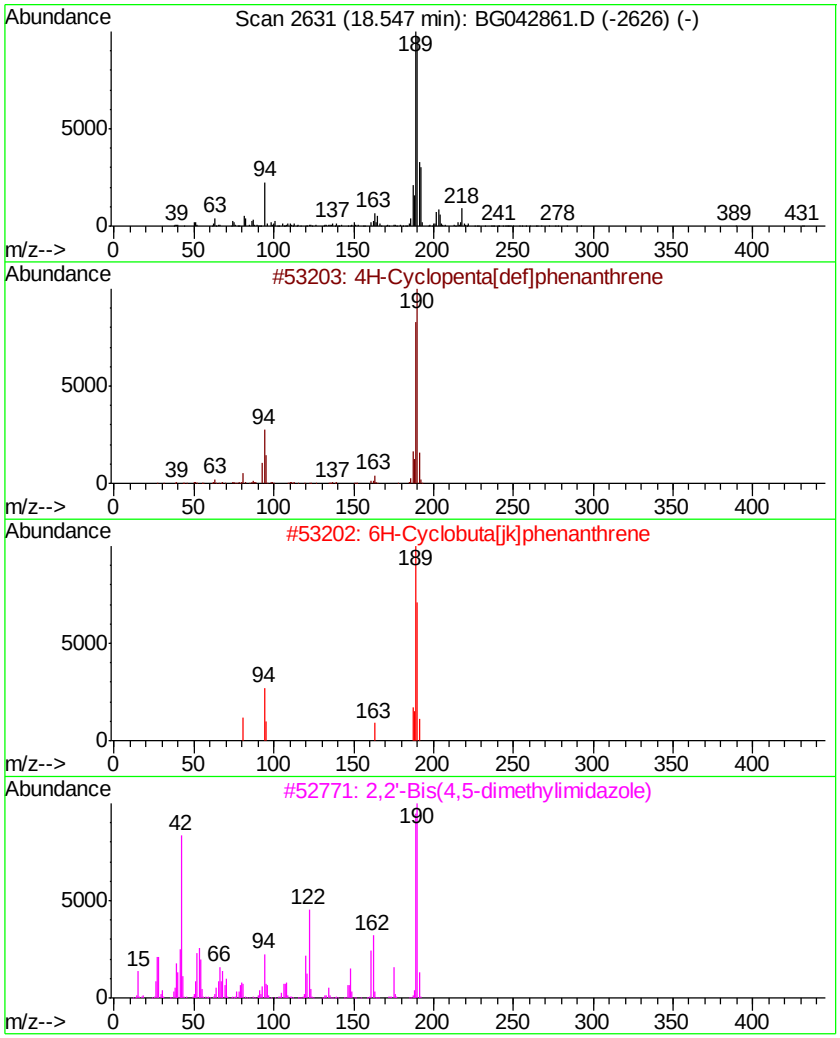
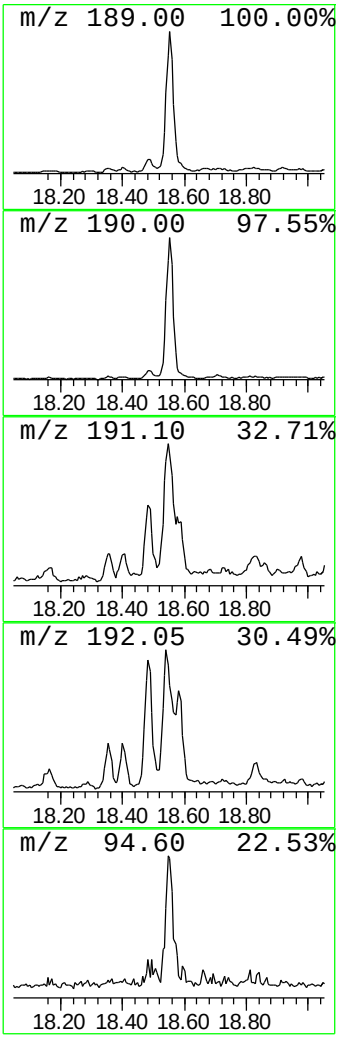
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	21.42 ng	1523460	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG091219.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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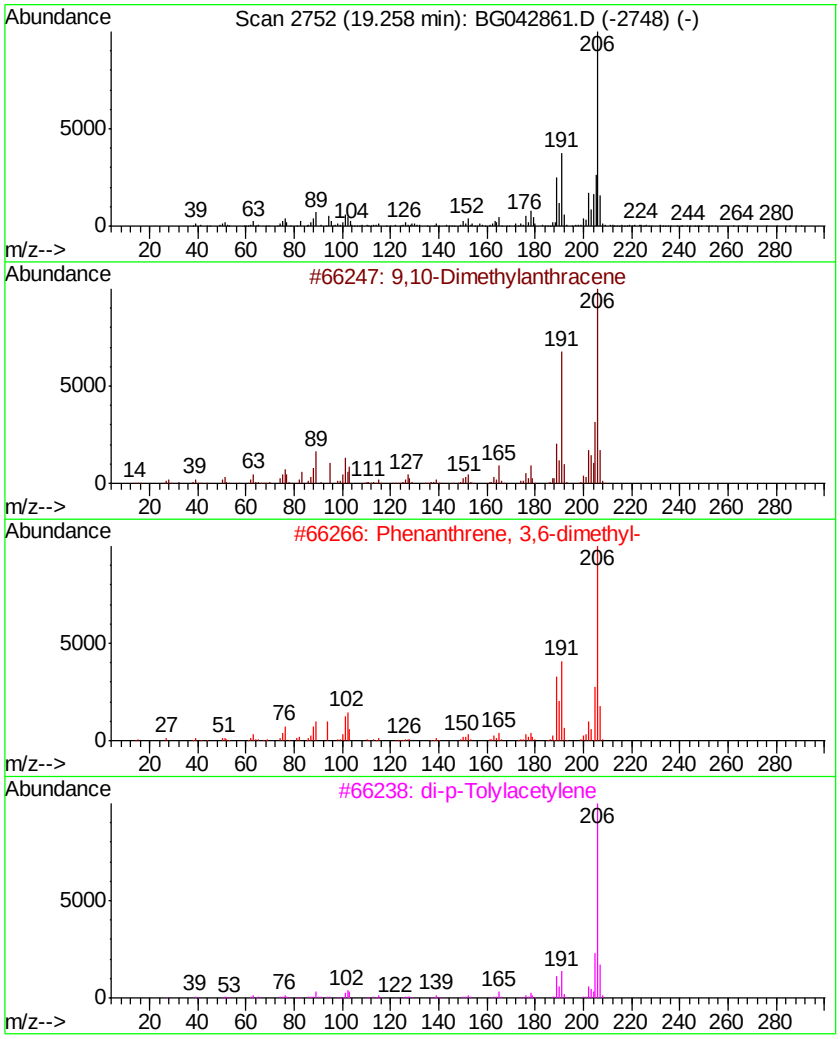
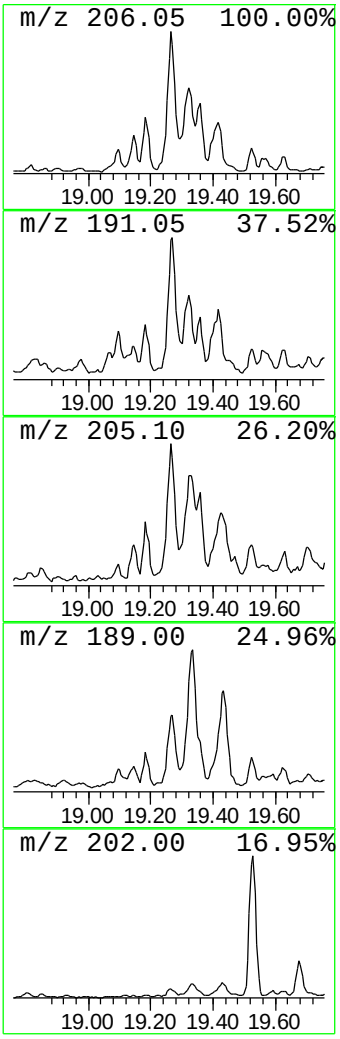
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	17.67 ng	1257130	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

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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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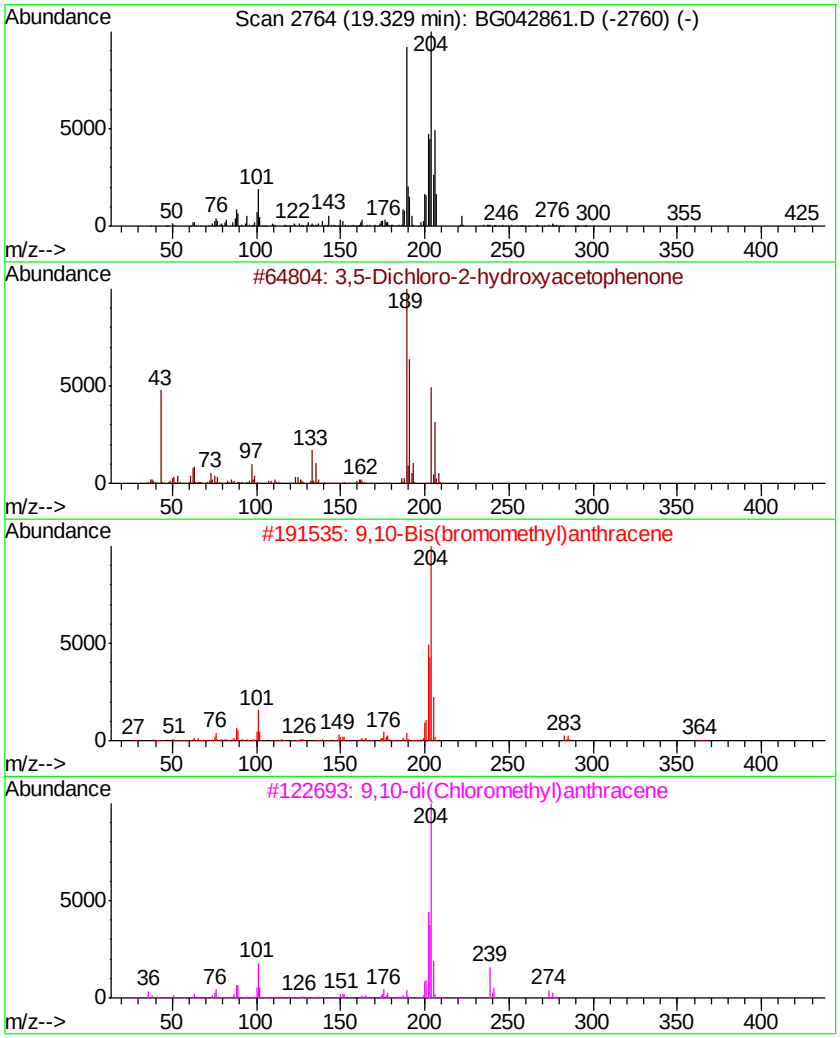
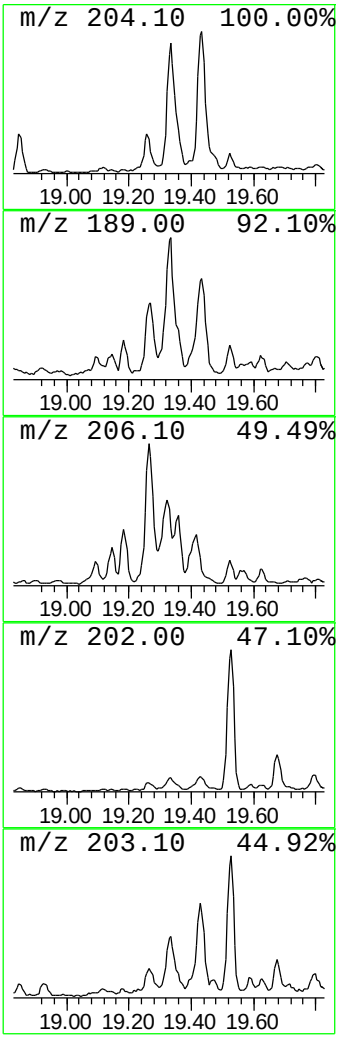
Peak Number 11 unknown19.33 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	8.97 ng	638317	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dichloro-2-hydroxyacetophenone	204	C8H6Cl2O2	003321-92-4	47
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	37
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	35
5	2,1,3-Benzoxazole, 5,6-dichloro-...	204	C6H2Cl2N2O2	004701-01-3	30





Library Search Compound Report

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Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG091219.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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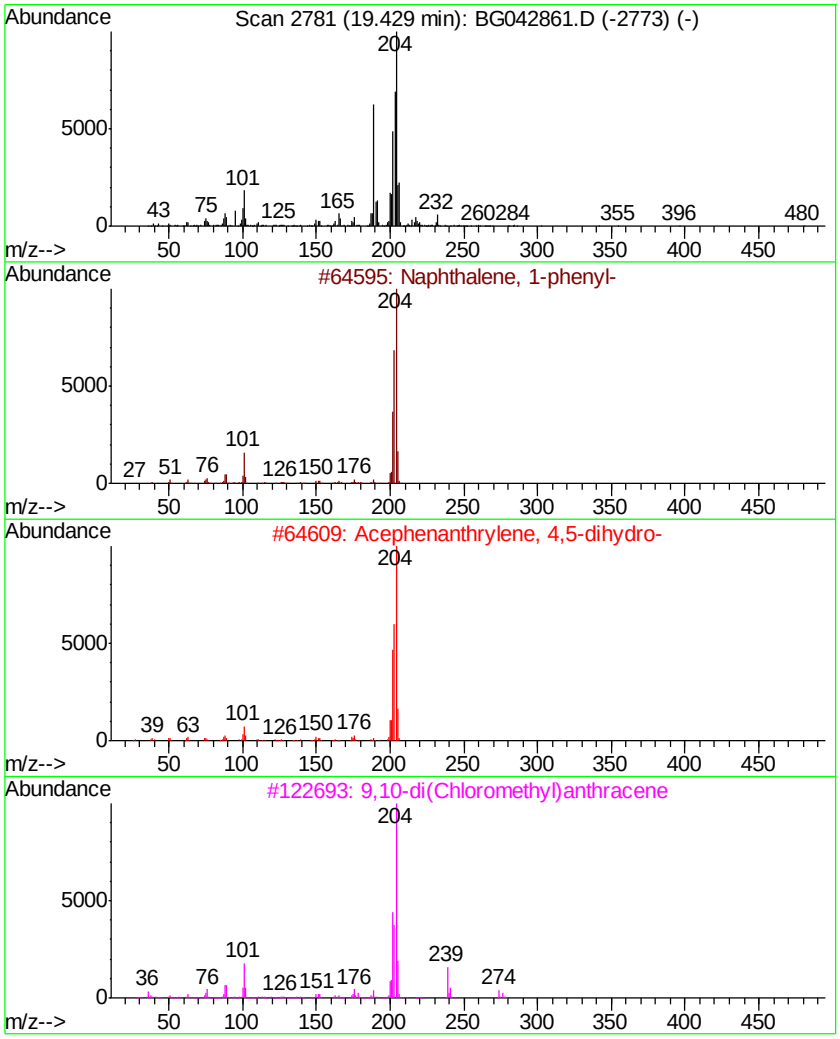
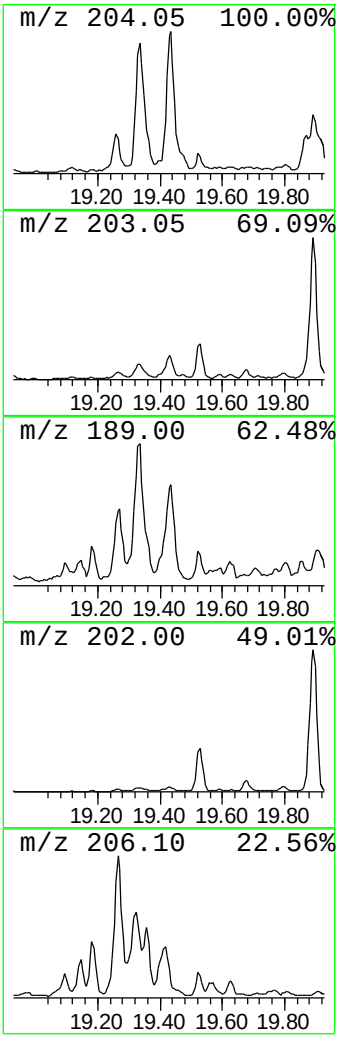
Peak Number 12 Naphthalene, 1-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	23.02 ng	1637340	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	55
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	50
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49





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Misc :
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ClientSampleId : AOC-7-(5)

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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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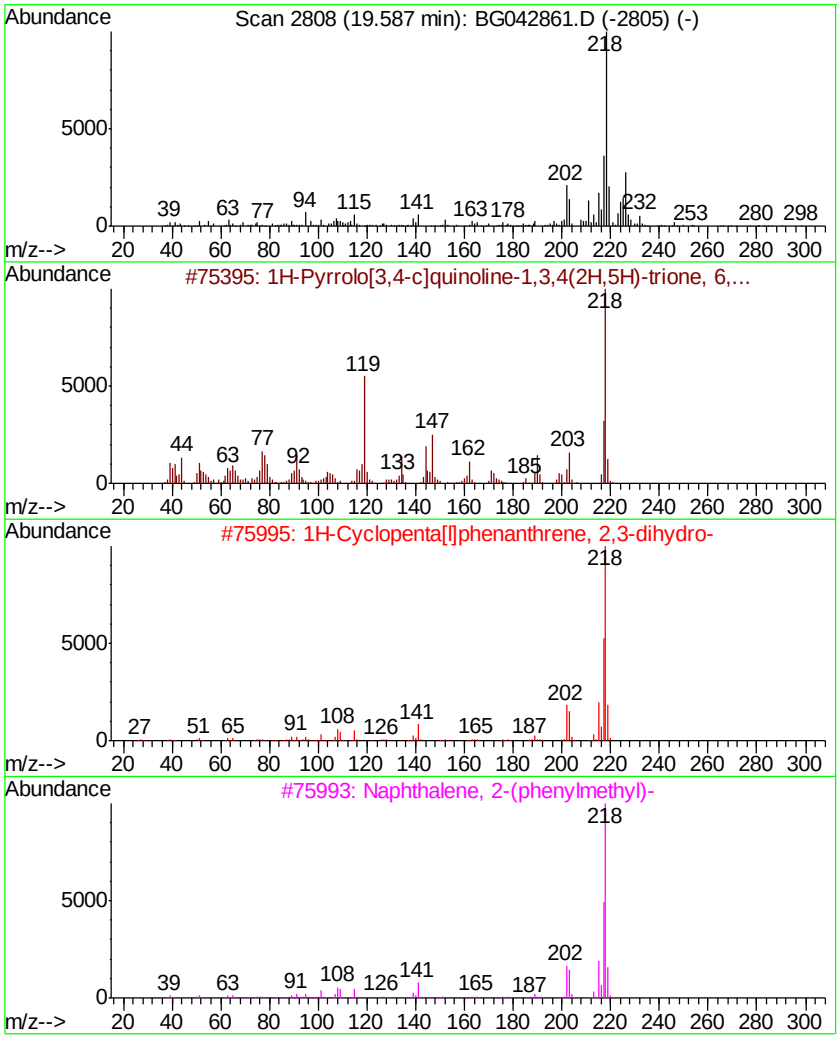
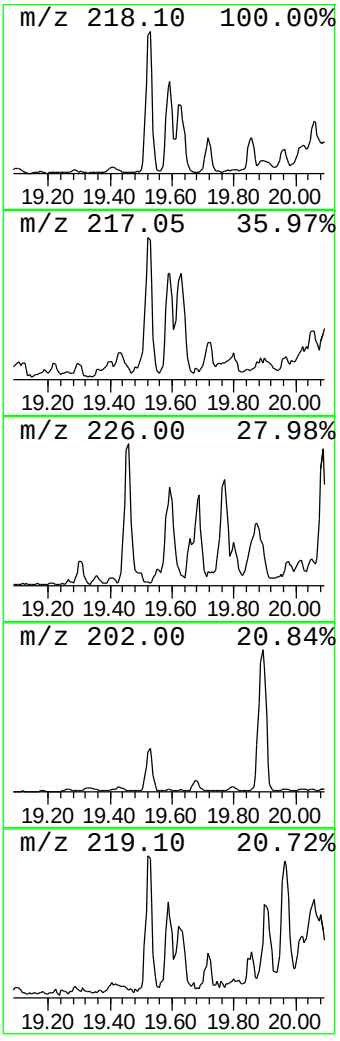
Peak Number 13 unknown19.59 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	6.26 ng	445439	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrolo[3,4-c]quinoline-1,3,4...	218	C11H10N2O3	181021-85-2	47
2	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	46
3	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	43
4	2,4-Diethoxyquinazoline	218	C12H14N2O2	000611-65-4	38
5	Acetic acid, trifluoro-, 3,4-dim...	218	C10H9F3O2	001957-55-7	38





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Instrument : BNA_G
ClientSampleId : AOC-7-(5)

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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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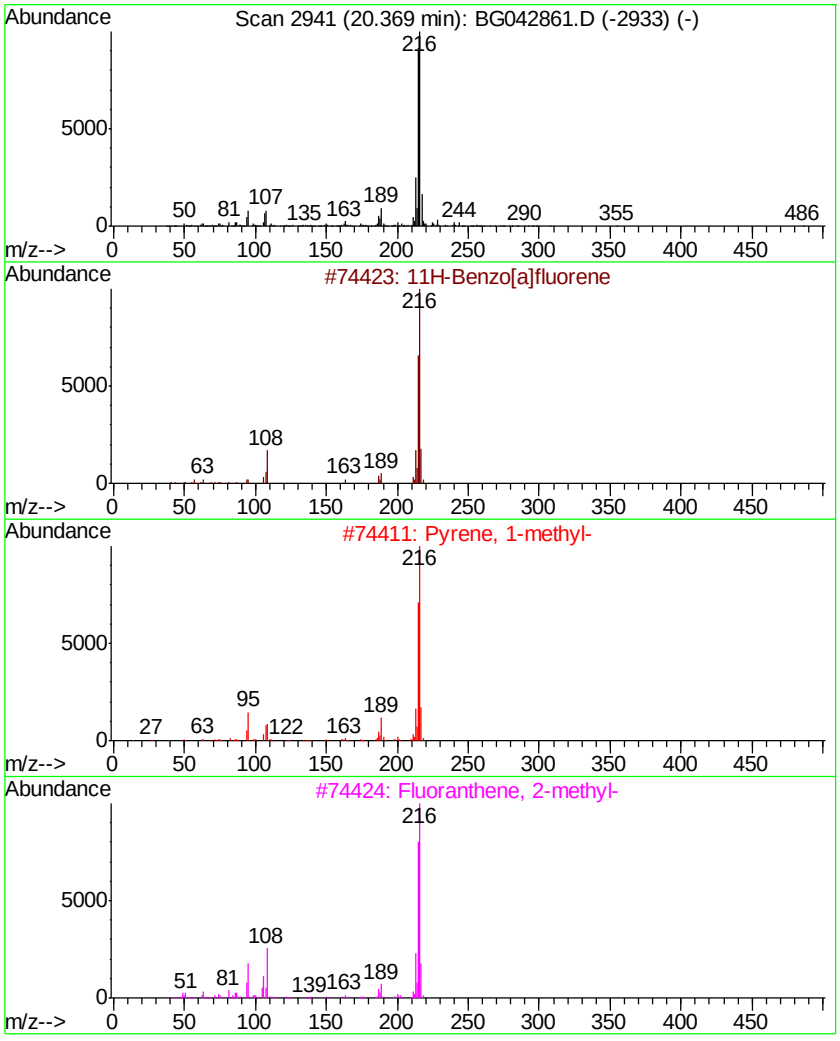
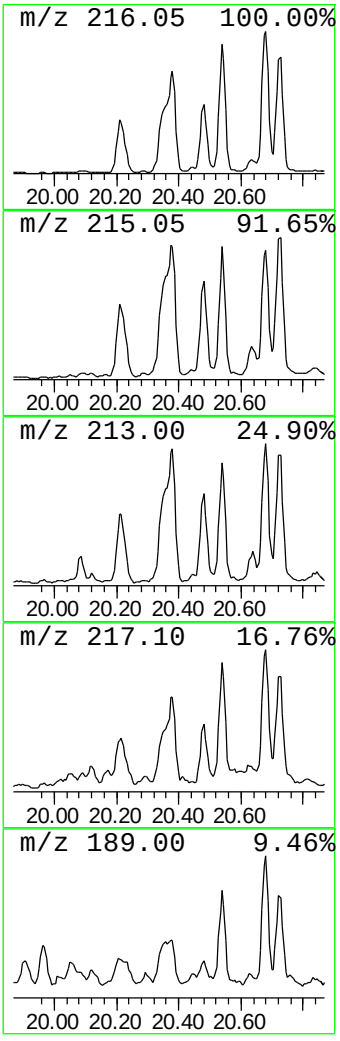
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	10.50 ng	3253390	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId : AOC-7-(5)

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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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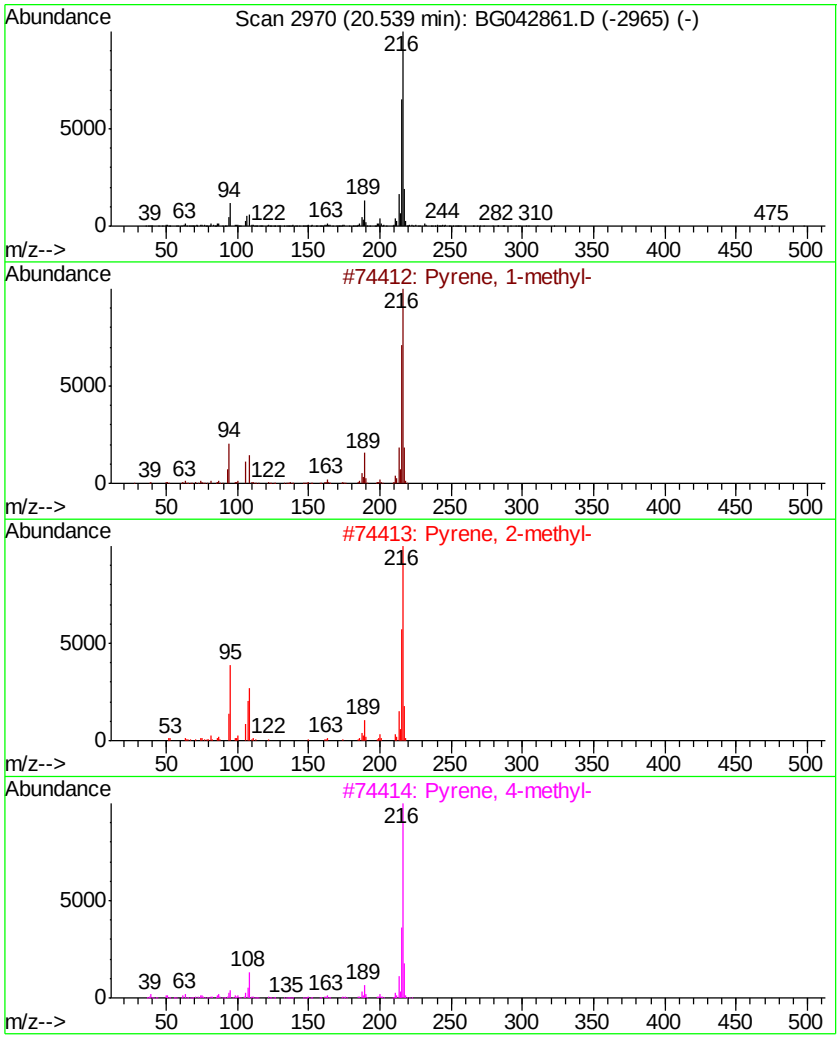
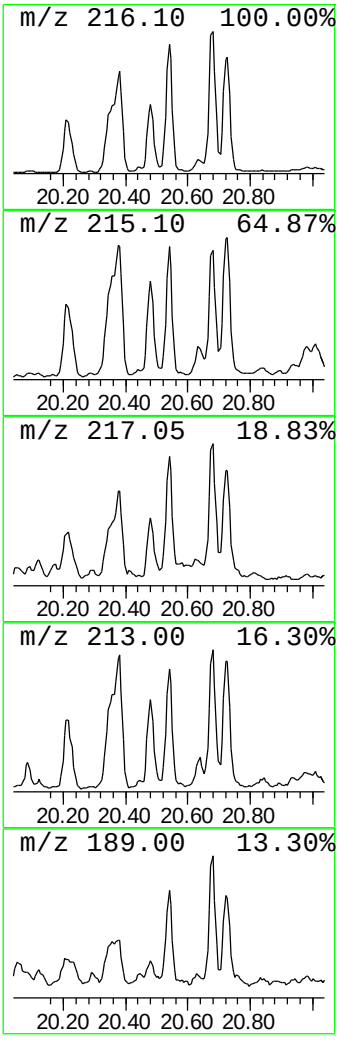
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.54	6.28 ng	1945040	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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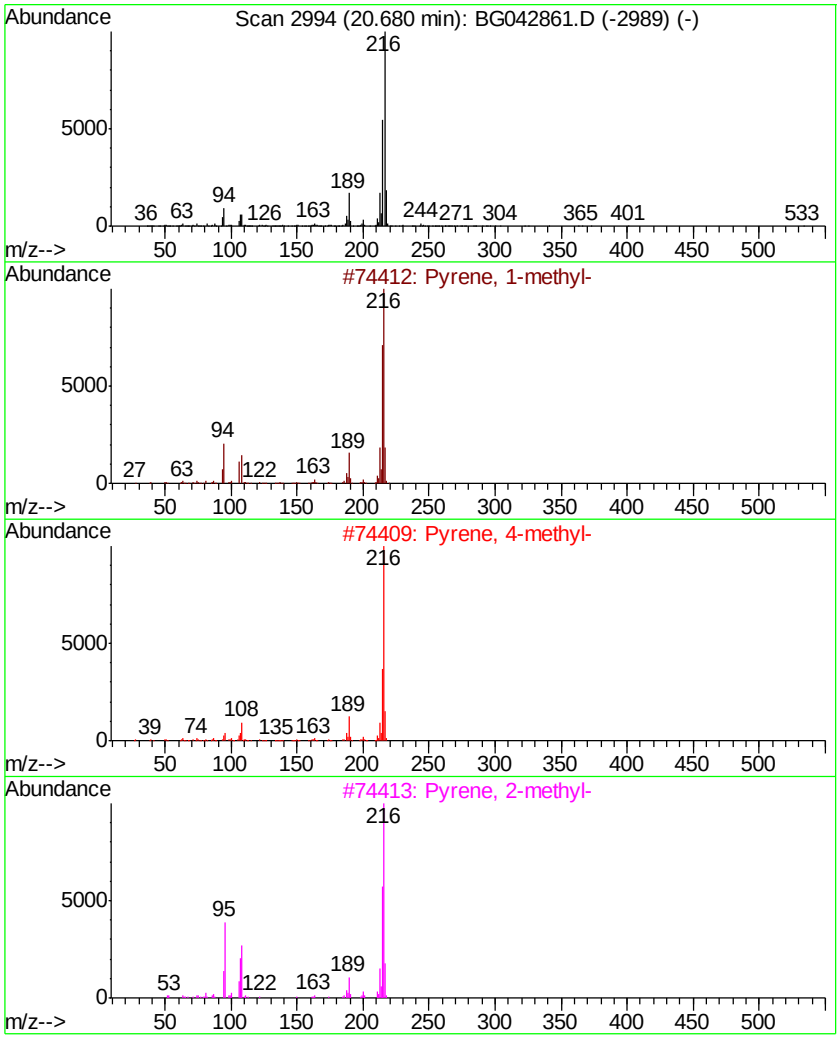
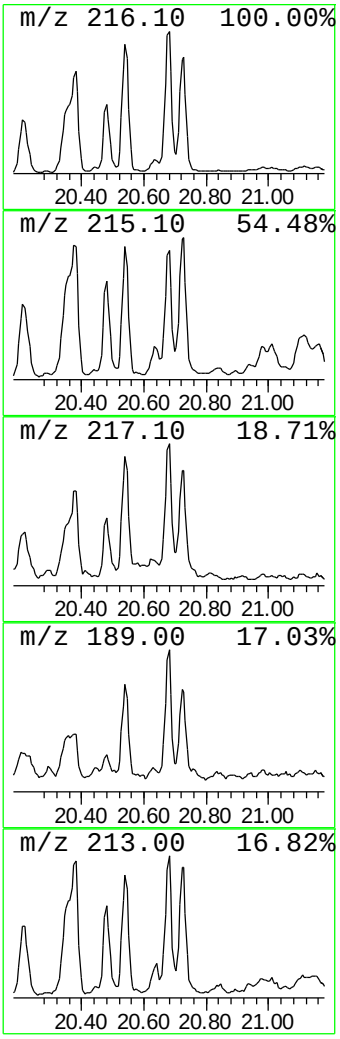
Peak Number 16 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.68	6.19 ng	1916630	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG091219.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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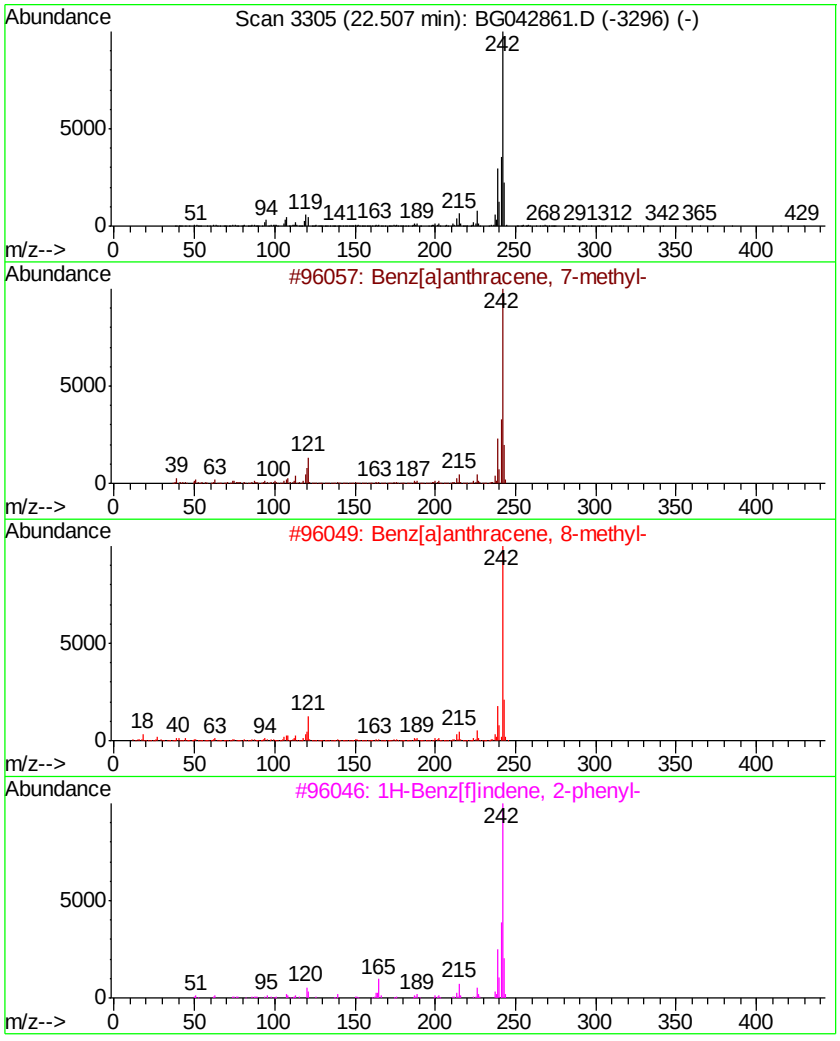
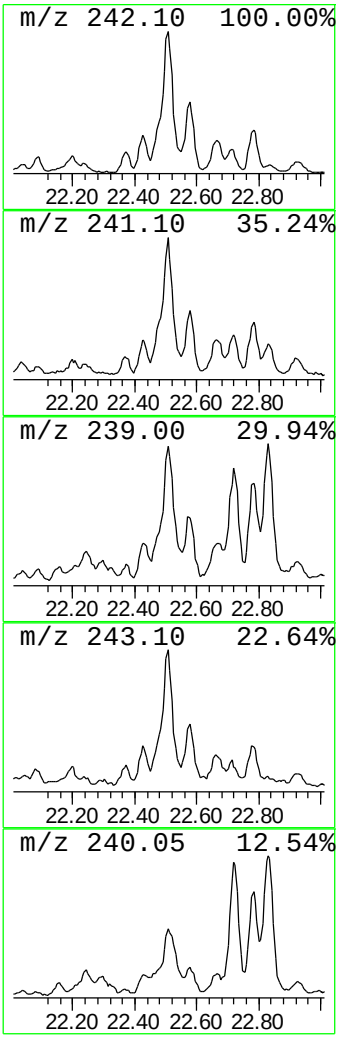
Peak Number 17 Benz[a]anthracene, 7-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.51	8.07 ng	2499200	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	92
3	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	91
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	91
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG091219.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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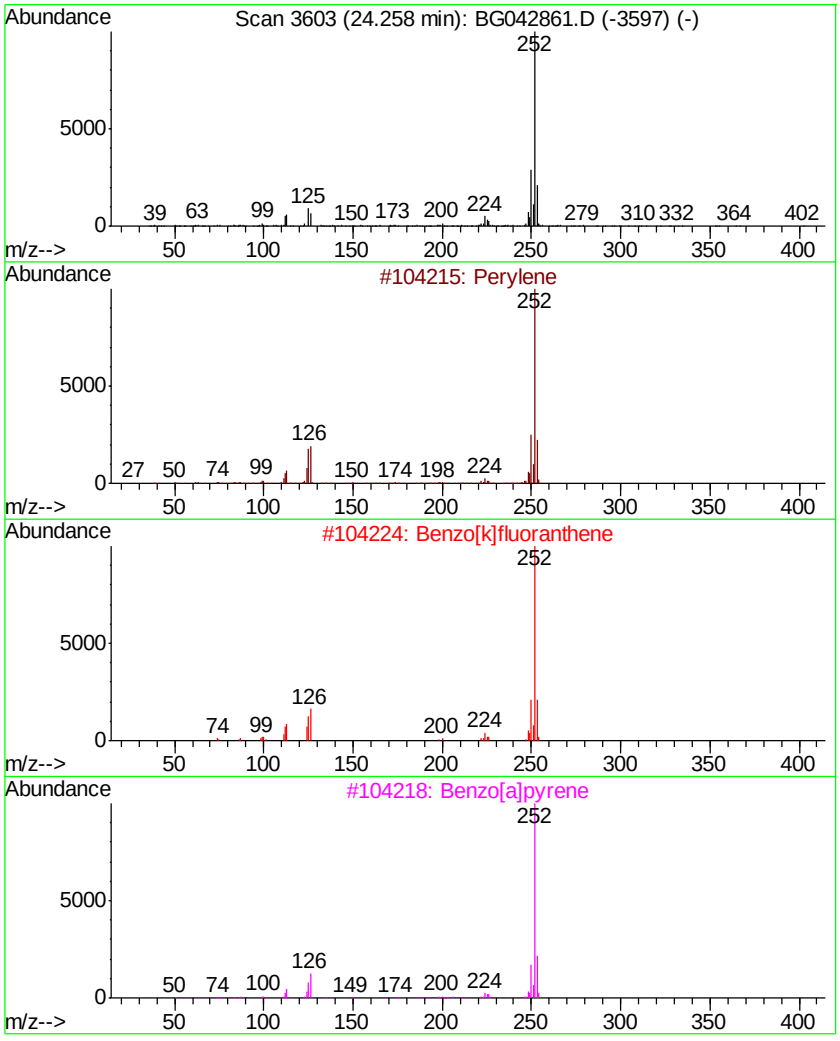
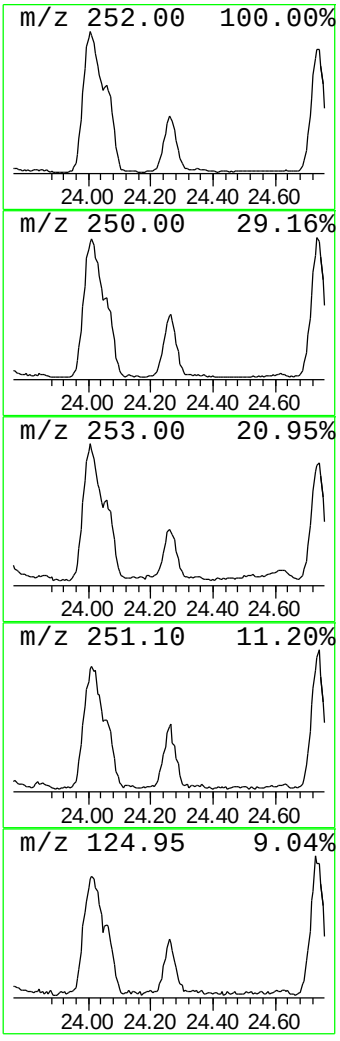
Peak Number 18 Perylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.26	11.11 ng	994346	Perylene-d12	25.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	90
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	81
4	Benzo[e]pyrene	252	C20H12	000192-97-2	76
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG091219.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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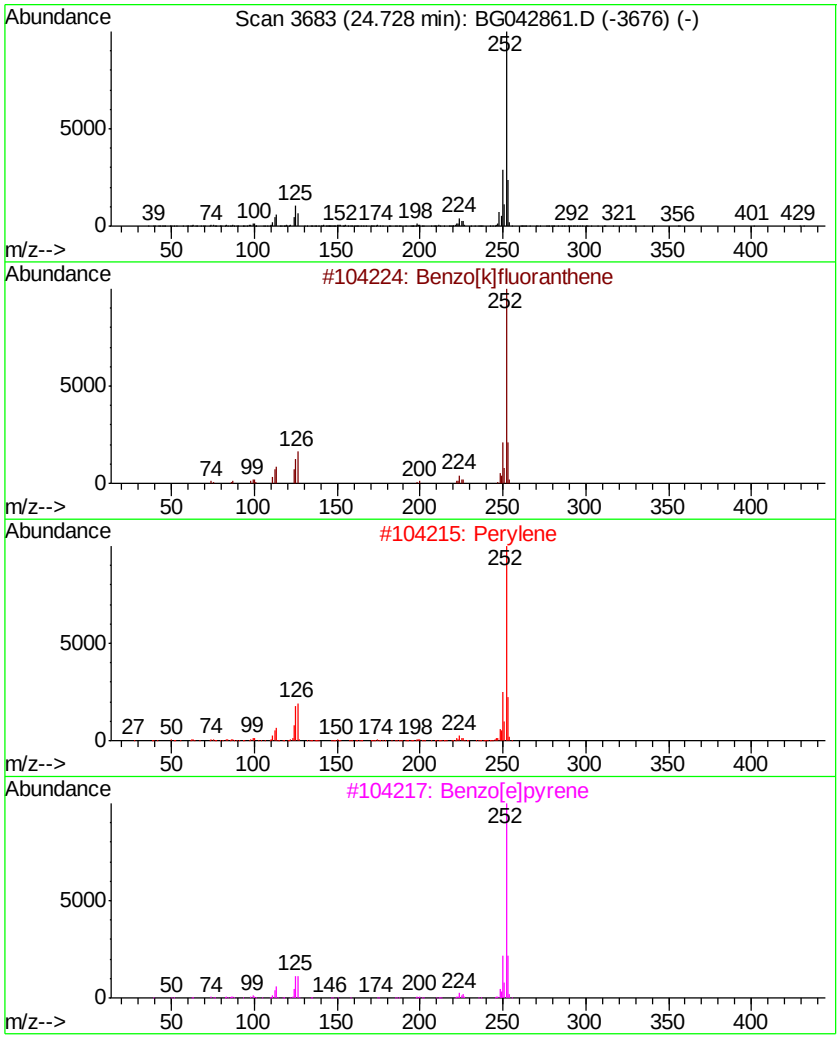
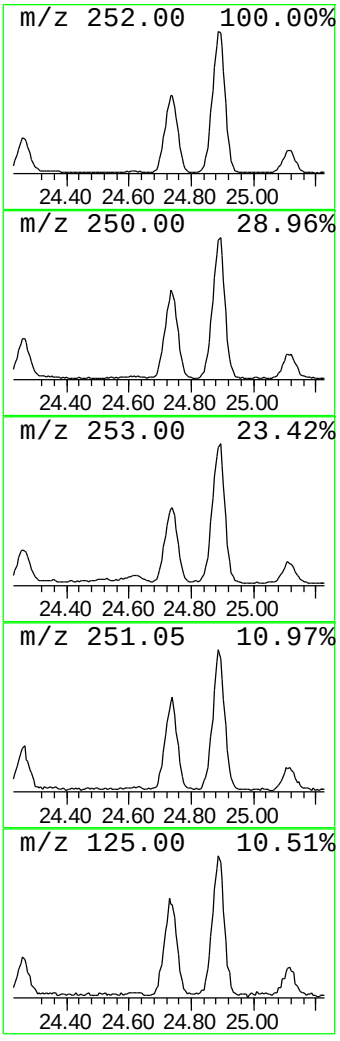
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.73	27.82 ng	2489580	Perylene-d12	25.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG091619\
Data File : BG042861.D
Acq On : 16 Sep 2019 23:01
Operator : HP/JU
Sample : K4850-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AOC-7-(5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG091219.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
1-Pentene, 2-methyl-	3.22	12.1	ng	444614	1	8.12	732732	20.0
Butane, 2-methoxy...	3.29	21.6	ng	789628	1	8.12	732732	20.0
unknown7.65	7.65	74.4	ng	2725870	1	8.12	732732	20.0
Tridecane, 3-methyl-	15.99	6.7	ng	489836	3	14.73	1470510	20.0
1(2H)-Acenaphthyl...	16.45	12.1	ng	861534	4	17.48	1422550	20.0
Tridecane, 5-propyl-	16.47	8.8	ng	629666	4	17.48	1422550	20.0
Heptadecane, 2,6,...	17.30	6.7	ng	479409	4	17.48	1422550	20.0
4H-Cyclopenta[def...	18.55	21.4	ng	1523460	4	17.48	1422550	20.0
9,10-Dimethylanth...	19.26	17.7	ng	1257130	4	17.48	1422550	20.0
unknown19.33	19.33	9.0	ng	638317	4	17.48	1422550	20.0
Naphthalene, 1-ph...	19.43	23.0	ng	1637340	4	17.48	1422550	20.0
unknown19.59	19.59	6.3	ng	445439	4	17.48	1422550	20.0
11H-Benzo[a]fluorene	20.37	10.5	ng	3253390	5	21.76	6196250	20.0
Pyrene, 1-methyl-	20.54	6.3	ng	1945040	5	21.76	6196250	20.0
Pyrene, 4-methyl-	20.68	6.2	ng	1916630	5	21.76	6196250	20.0
Benz[a]anthracene...	22.51	8.1	ng	2499200	5	21.76	6196250	20.0
Perylene	24.26	11.1	ng	994346	6	25.04	1789860	20.0
Benzo[e]pyrene	24.73	27.8	ng	2489580	6	25.04	1789860	20.0