LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

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-BG013020.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	5.009	323	327	334	rBV2	15791	25528	1.39%	0.102%
2	5.485	401	408	418	rBV	446062	750808	40.97%	3.010%
3	7.077	671	679	696	rBV	448764	838082	45.73%	3.359%
4	7.906	813	820	835	rBV	344686	592848	32.35%	2.376%
5	8.229	868	875	883	rBV	400650	698051	38.09%	2.798%
6	9.063	1005	1017	1028	rBV	276953	532678	29.07%	2.135%
7	10.708	1288	1297	1304	rBV	472091	876566	47.83%	3.514%
8	12.365	1571	1579	1588	rBV	38454	69929	3.82%	0.280%
9	12.583	1610	1616	1625	rVB	58183	104203	5.69%	0.418%
10	13.164	1708	1715	1727	rBV	810367	1247939	68.10%	5.002%
11	13.382	1746	1752	1759	rVB	20750	31960	1.74%	0.128%
12	13.711	1800	1808	1809	rBV3	44979	72098	3.93%	0.289%
13	13.864	1825	1834	1839	rBV	97980	187033	10.21%	0.750%
14	13.922	1839	1844	1850	rVV	57841	104791	5.72%	0.420%
15	13.993	1850	1856	1861	rVV2	33901	72674	3.97%	0.291%
16	14.040	1861	1864	1868	rVV3	14096	22019	1.20%	0.088%
17	14.099	1868	1874	1878	rVV	52363	94753	5.17%	0.380%
18	14.134	1878	1880	1888	rVB3	22444	32859	1.79%	0.132%
19	14.269	1896	1903	1911	rBV	42433	72342	3.95%	0.290%
20	14.451	1930	1934	1939	rBV2	35046	49908	2.72%	0.200%
21	14.545	1939	1950	1956	rVV2	721434	1186658	64.76%	4.757%
22	14.604	1956	1960	1969	rVV3	51703	107366	5.86%	0.430%
23	14.674	1969	1972	1978	rVB6	12162	18480	1.01%	0.074%
24	14.762	1980	1987	1994	rBV2	31010	77494	4.23%	0.311%
25	14.839	1996	2000	2006	rVV5	14750	29521	1.61%	0.118%
26	14.945	2007	2018	2025	rVV3	63222	143925	7.85%	0.577%
27	15.021	2025	2031	2036	rVB	55963	88270	4.82%	0.354%
28	15.080	2036	2041	2047	rVB7	18795	32721	1.79%	0.131%
29	15.168	2048	2056	2060	rBV2	48202	103546	5.65%	0.415%
30	15.215	2060	2064	2071	rVB	36455	54299	2.96%	0.218%
31	15.338	2077	2085	2088	rBV4	35183	86307	4.71%	0.346%
32	15.368	2088	2090	2093	rVV3	25258	30210	1.65%	0.121%
33	15.403	2093	2096	2100	rVB	64951	82782	4.52%	0.332%
34	15.503	2105	2113	2119	rBV7	23733	56897	3.10%	0.228%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

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-BG013020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.591	2122	2128	2132	rBV2	101552	157811	8.61%	0.633%
36	15.714	2146	2149	2153	rVV3	39510	61838	3.37%	0.248%
37	15.755	2153	2156	2160	rVV4	29429	41714	2.28%	0.167%
38	15.808	2160	2165	2173	rVV2	57571	107206	5.85%	0.430%
39	15.885	2173	2178	2187	rVB5	36100	101143	5.52%	0.405%
40	15.961	2187	2191	2196	rBV5	17818	34231	1.87%	0.137%
41	16.032	2196	2203	2212	rBV	521525	854388	46.62%	3.425%
42	16.114	2212	2217	2222	rVV6	13979	25152	1.37%	0.101%
43	16.267	2238	2243	2246	rBV2	125148	194397	10.61%	0.779%
44	16.408	2263	2267	2271	rVB2	19588	31010	1.69%	0.124%
45	16.596	2292	2299	2304	rBV4	56299	123013	6.71%	0.493%
46	16.643	2304	2307	2314	rVB3	53964	88079	4.81%	0.353%
47	16.748	2319	2325	2330	rVB2	40564	68330	3.73%	0.274%
48	16.948	2355	2359	2365	rVB7	17826	33300	1.82%	0.133%
49	17.060	2367	2378	2382	rVV2	105115	194636	10.62%	0.780%
50	17.107	2382	2386	2396	rVB2	112165	199804	10.90%	0.801%
51	17.289	2411	2417	2421	rBV	803684	1253298	68.39%	5.024%
52	17.330	2421	2424	2431	rVV	556419	773294	42.20%	3.100%
53	17.418	2435	2439	2445	rVB	90693	138603	7.56%	0.556%
54	17.483	2445	2450	2455	rBV3	45912	85781	4.68%	0.344%
55	17.530	2455	2458	2461	rBV2	24230	27844	1.52%	0.112%
56	17.794	2499	2503	2509	rVB2	108698	157703	8.61%	0.632%
57	17.871	2512	2516	2525	rVB2	76277	130737	7.13%	0.524%
58	18.012	2536	2540	2547	rBV	46694	85256	4.65%	0.342%
59	18.088	2548	2553	2556	rBV5	22441	37128	2.03%	0.149%
60	18.164	2561	2566	2570	rVV	194698	328476	17.93%	1.317%
61	18.211	2570	2574	2583	rVB	240703	370408	20.21%	1.485%
62	18.294	2583	2588	2592	rBV	66101	111649	6.09%	0.448%
63	18.358	2593	2599	2603	rVV2	281363	559300	30.52%	2.242%
64	18.393	2603	2605	2611	rVB	172544	222479	12.14%	0.892%
65	18.487	2616	2621	2630	rVV2	89927	146022	7.97%	0.585%
66	18.564	2630	2634	2638	rVB2	36305	54274	2.96%	0.218%
67	18.664	2647	2651	2654	rBV	91382	128444	7.01%	0.515%
68	18.887	2685	2689	2690	rBV2	37968	47961	2.62%	0.192%
69	18.958	2698	2701	2705	rVV	63236	85113	4.64%	0.341%
70	18.999	2705	2708	2712	rVB3	51527	71628	3.91%	0.287%
71	19.081	2717	2722	2726	rBV	193031	309623	16.90%	1.241%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

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-BG013020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.122	2726	2729	2731	rBV	66820	93471	5.10%	0.375%
73	19.216	2741	2745	2753	rBV4	77273	200492	10.94%	0.804%
74	19.339	2761	2766	2772	rBV	678819	931071	50.81%	3.732%
75	19.404	2774	2777	2780	rVV2	48339	68049	3.71%	0.273%
76	19.445	2781	2784	2787	rVB2	50595	65493	3.57%	0.263%
77	19.586	2804	2808	2811	rBV	50775	72643	3.96%	0.291%
78	19.704	2819	2828	2836	rBV	770936	1307448	71.35%	5.241%
79	19.780	2838	2841	2847	rVB3	73045	115784	6.32%	0.464%
80	19.903	2857	2862	2866	rVB	1153494	1448365	79.04%	5.806%
81	20.027	2879	2883	2894	rBV6	89494	210860	11.51%	0.845%
82	20.191	2909	2911	2916	rVB	150284	173368	9.46%	0.695%
83	20.297	2926	2929	2933	rVB	121156	138873	7.58%	0.557%
84	20.356	2935	2939	2943	rVB	134098	176454	9.63%	0.707%
85	20.491	2959	2962	2966	rBV	114644	151233	8.25%	0.606%
86	20.538	2967	2970	2974	rVB2	118041	142374	7.77%	0.571%
87	21.531	3132	3139	3144	rBV2	869482	1832501	100.00%	7.345%
88	21.578	3144	3147	3159	rVB	311982	535529	29.22%	2.147%
89	24.633	3660	3667	3683	rVB	396128	1266901	69.14%	5.078%

Sum of corrected areas: 24947527

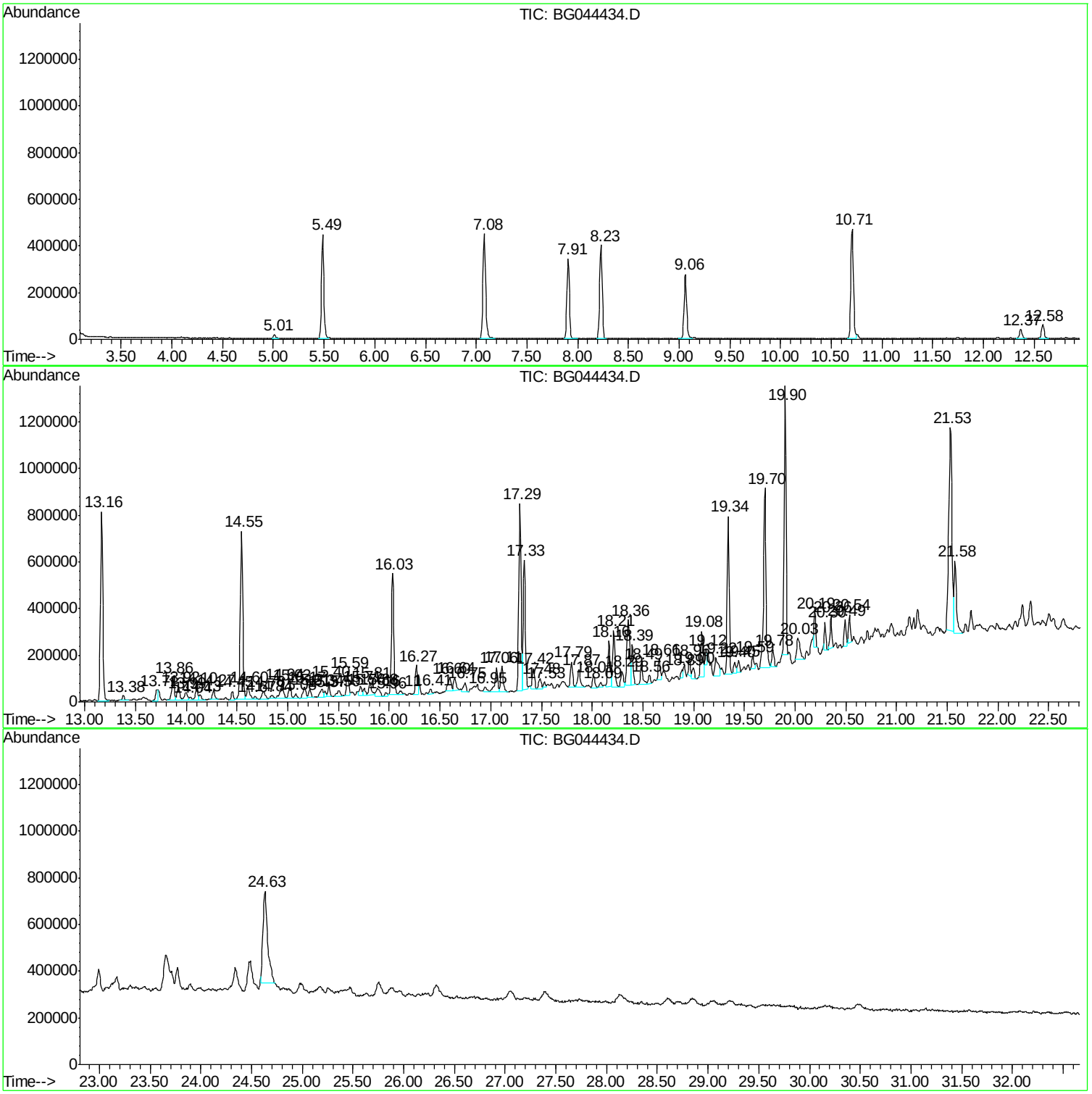
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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\BG021320\
Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

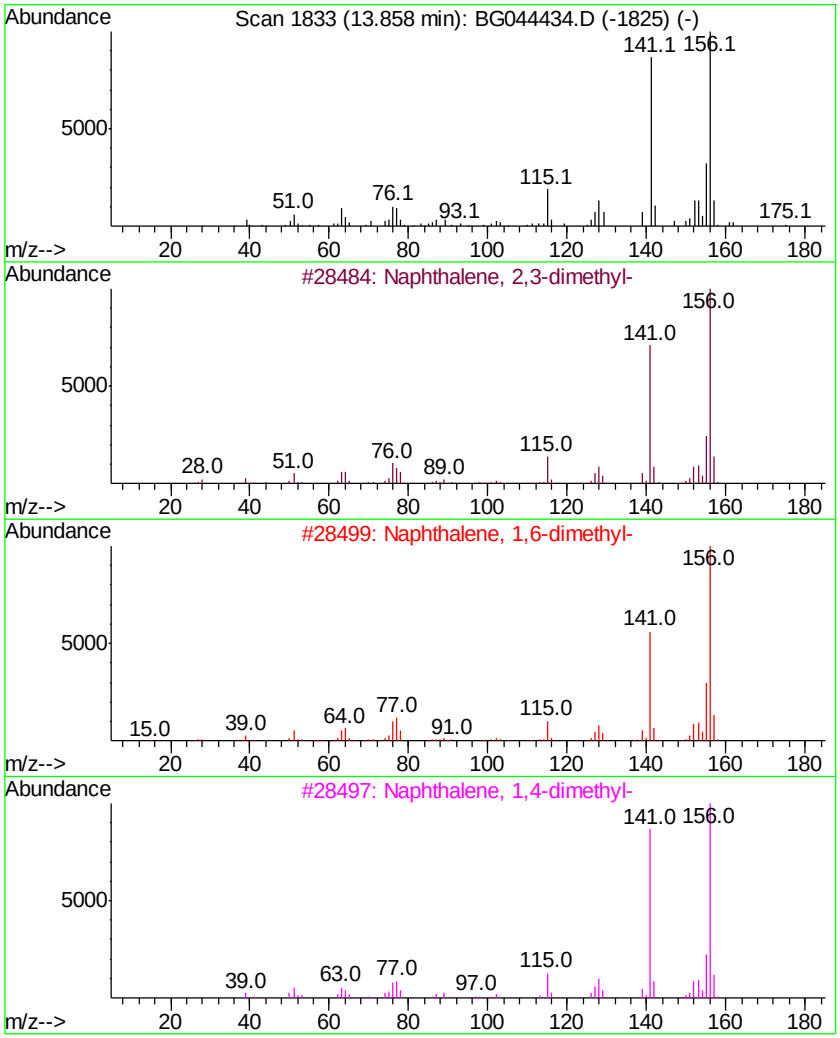
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

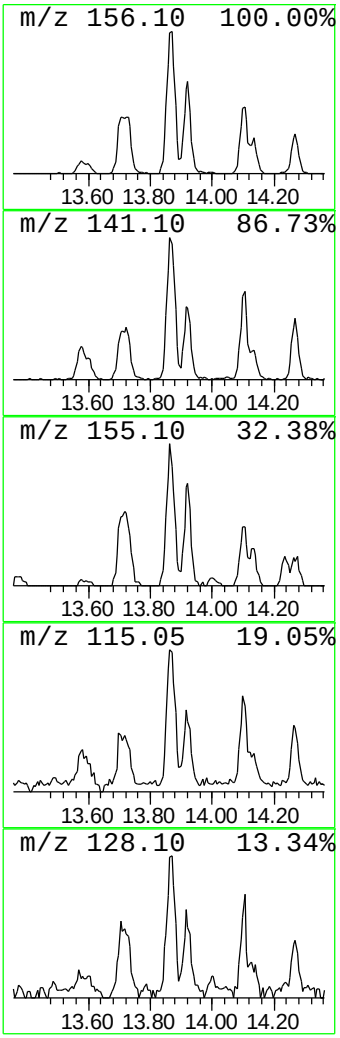
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	3.15 ng	187033	Acenaphthene-d10	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

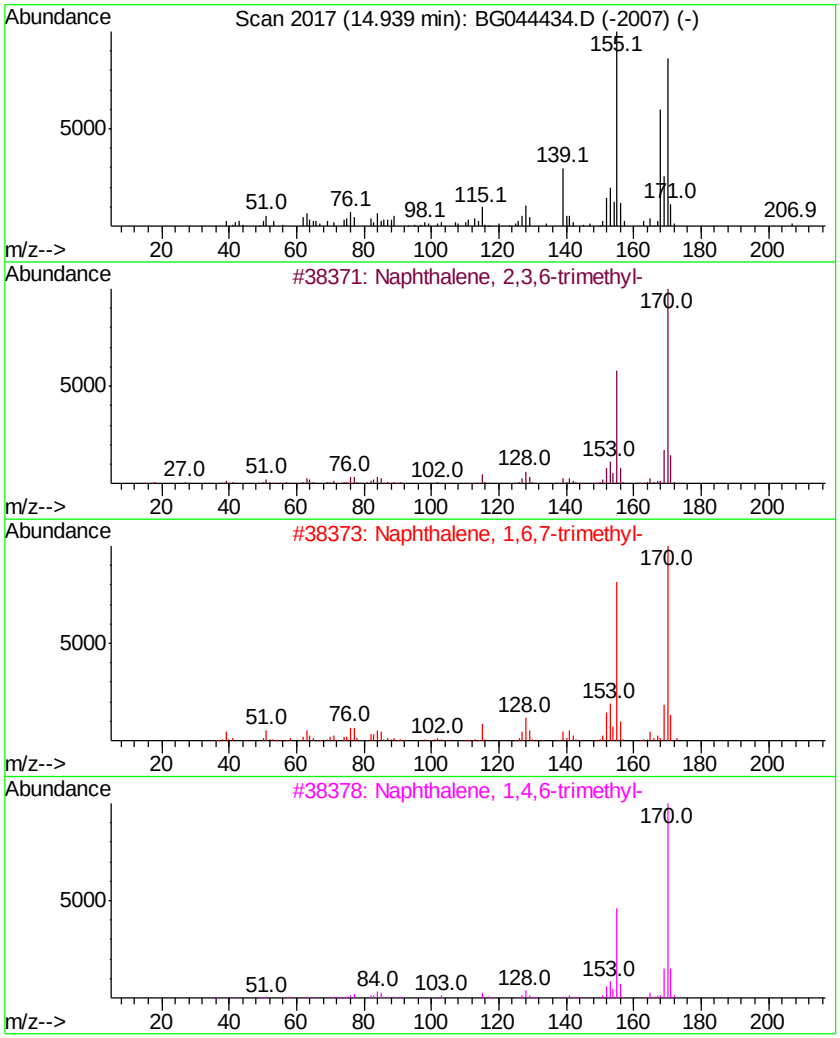
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

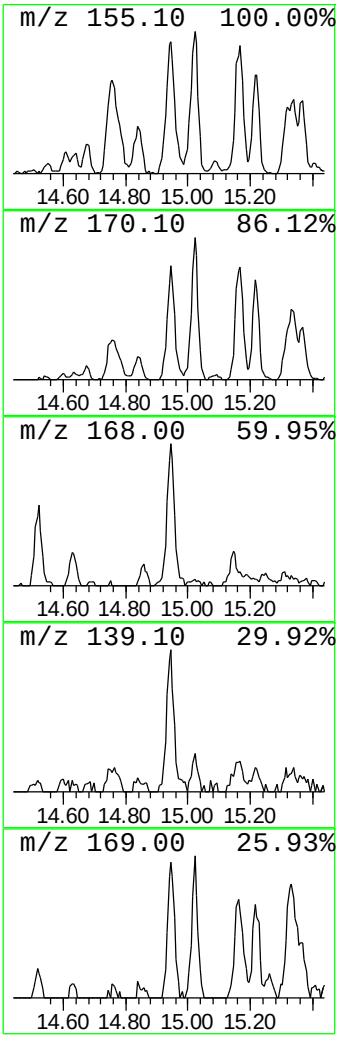
****

Peak Number 3 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	2.43 ng	143925	Acenaphthene-d10	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	76
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	76
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

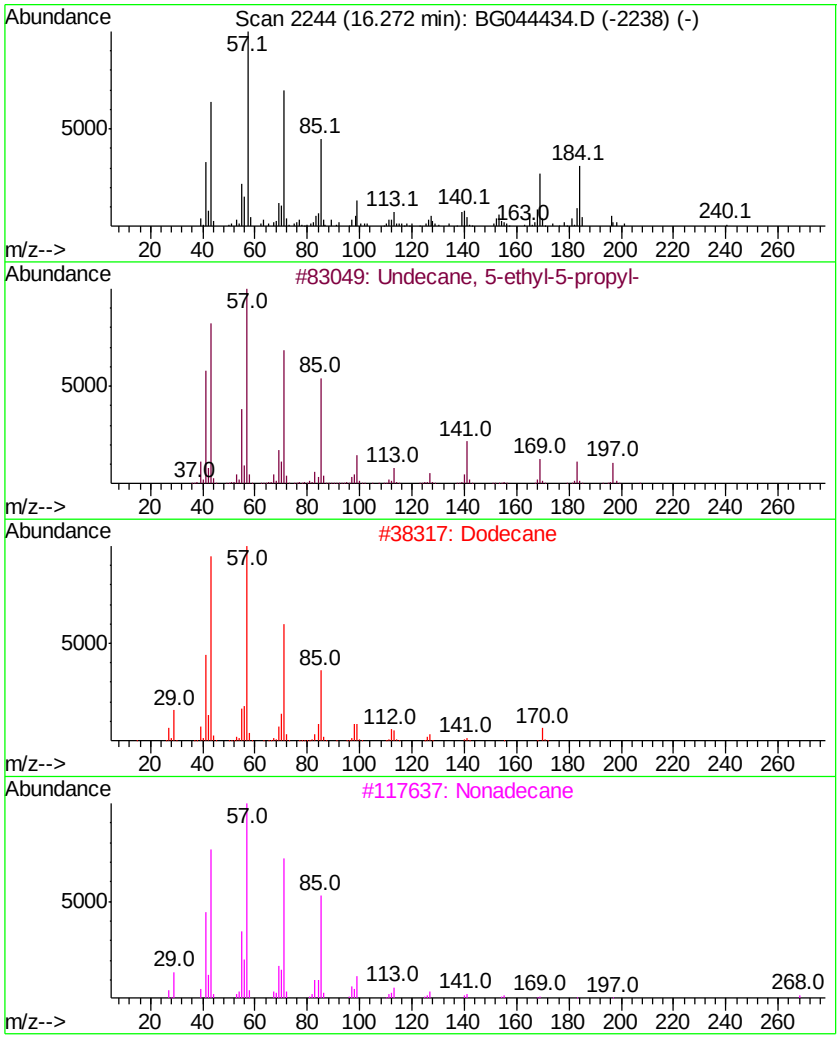
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

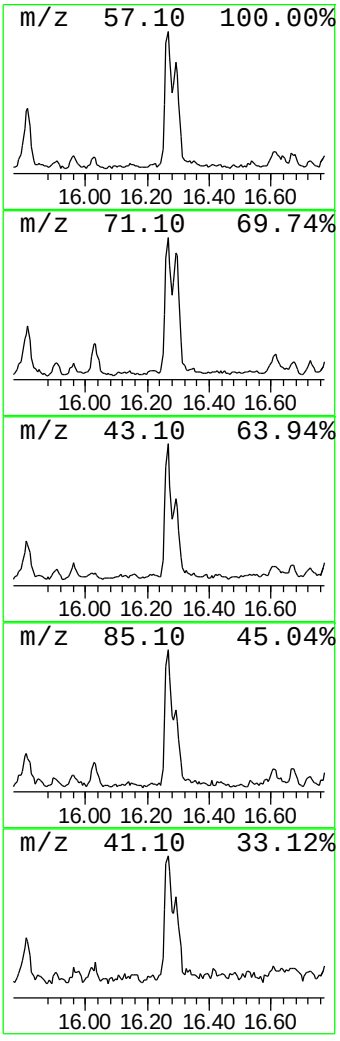
****

Peak Number 4 Undecane, 5-ethyl-5-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	3.10 ng	194397	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-ethyl-5-propyl-	226	C16H34	002755-07-9	68
2	Dodecane	170	C12H26	000112-40-3	64
3	Nonadecane	268	C19H40	000629-92-5	64
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	62
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	62





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

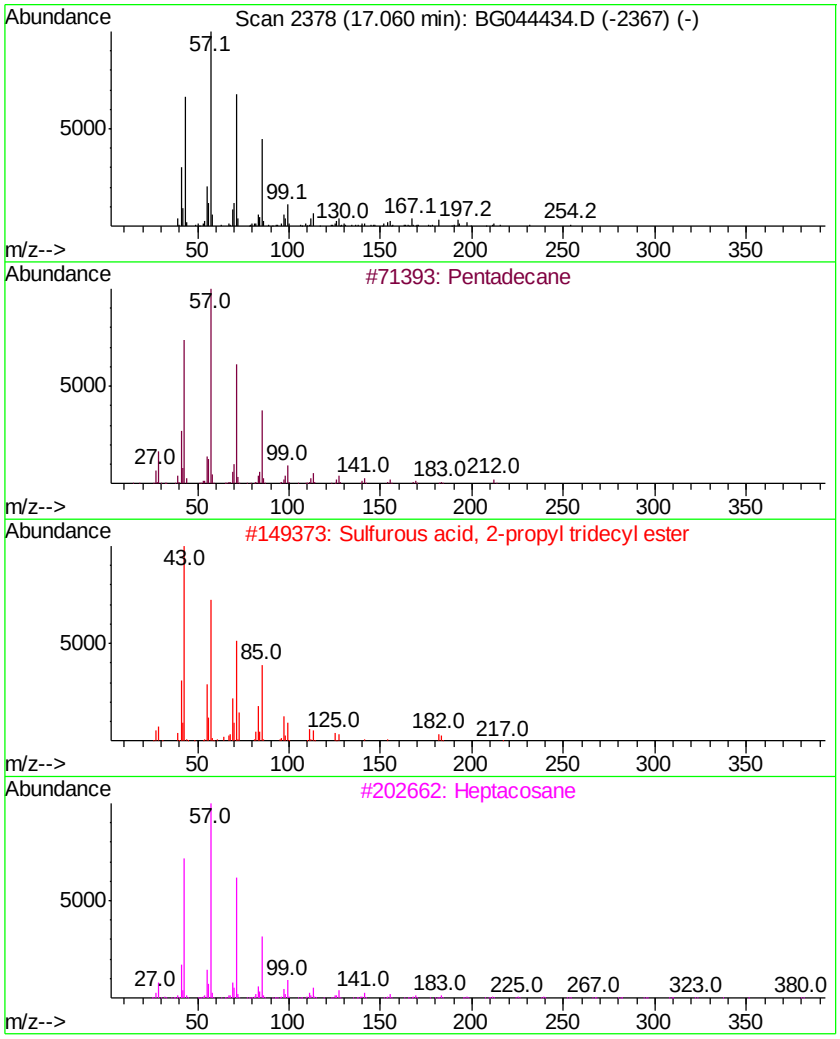
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

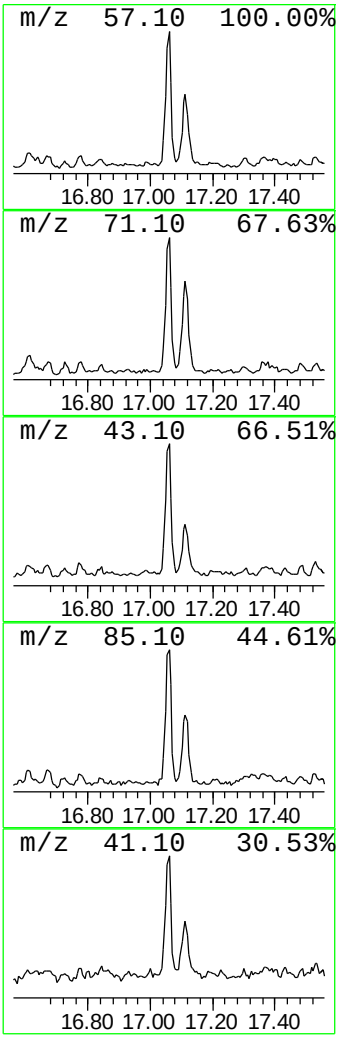
****

Peak Number 5 Pentadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	3.11 ng	194636	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	91
2	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	86
3	Heptacosane	380	C27H56	000593-49-7	83
4	Octadecane	254	C18H38	000593-45-3	80
5	Dodecane	170	C12H26	000112-40-3	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

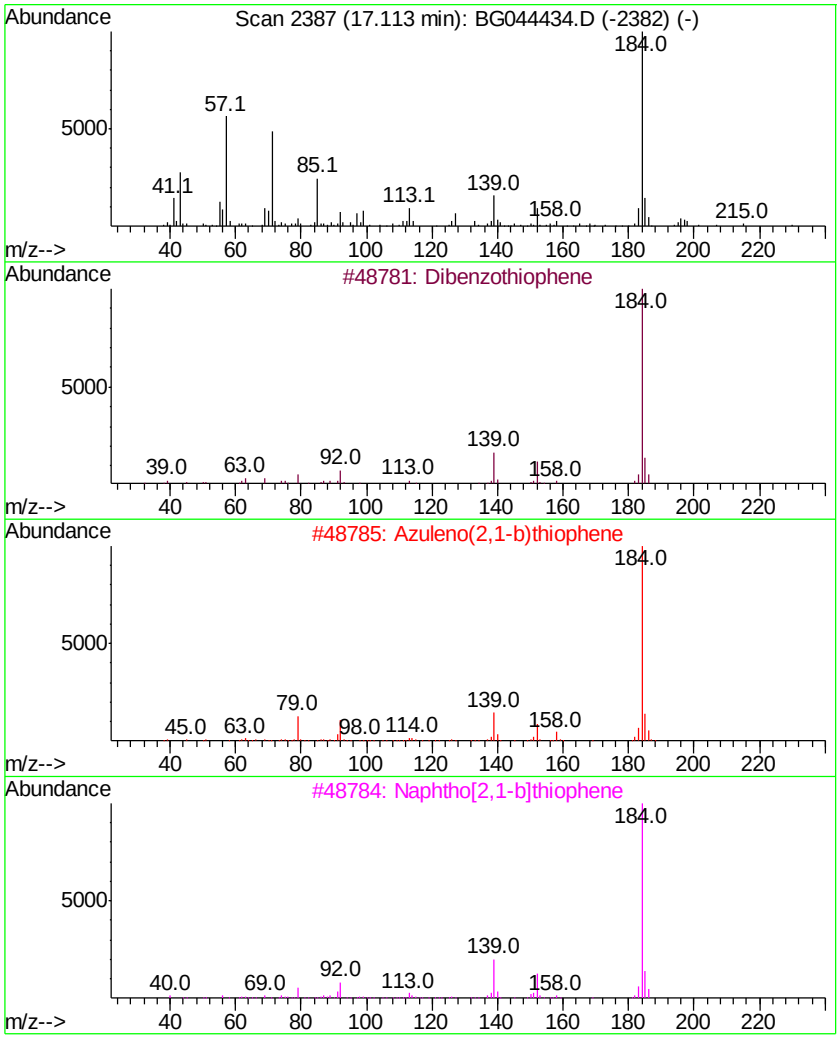
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

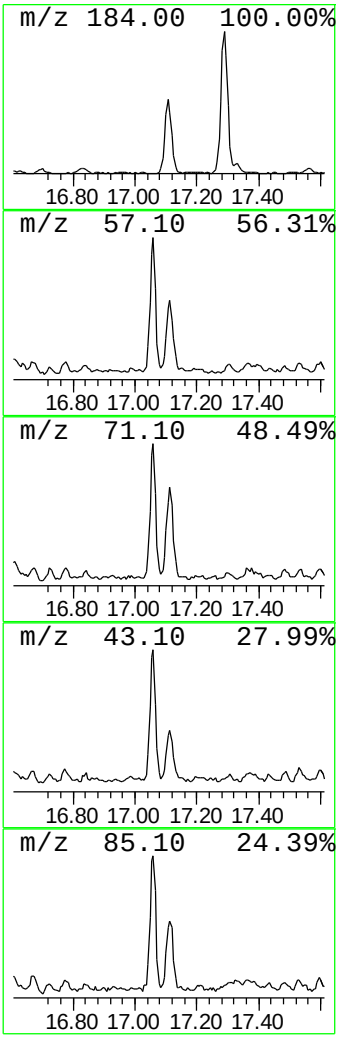
****

Peak Number 6 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	3.19 ng	199804	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	76
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	76
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	70
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

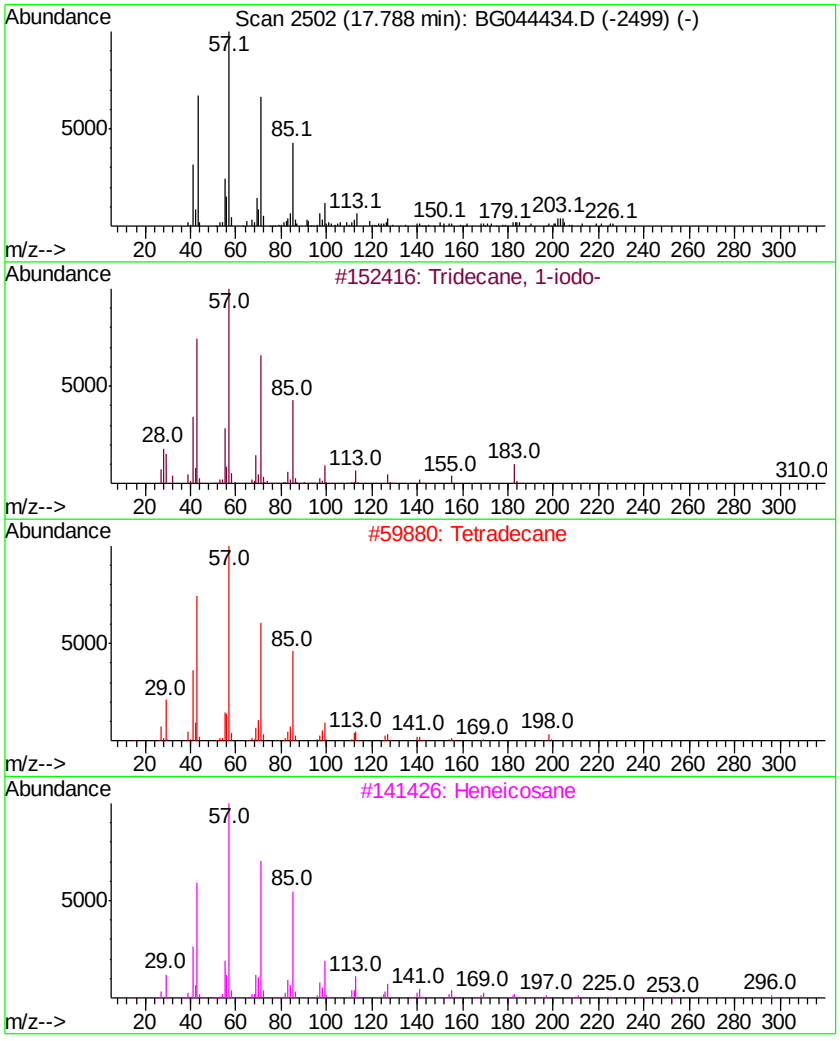
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

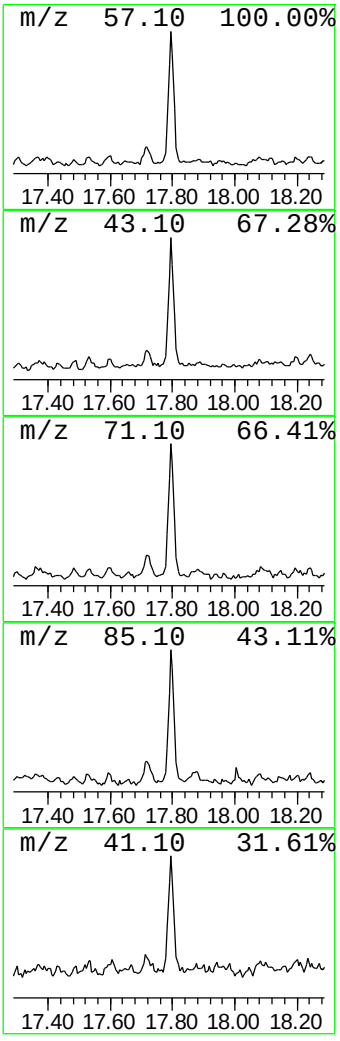
****

Peak Number 7 Tridecane, 1-iodo- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	2.52 ng	157703	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	74
2	Tetradecane	198	C14H30	000629-59-4	74
3	Heneicosane	296	C21H44	000629-94-7	74
4	Heptadecane	240	C17H36	000629-78-7	74
5	Tridecane	184	C13H28	000629-50-5	72





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Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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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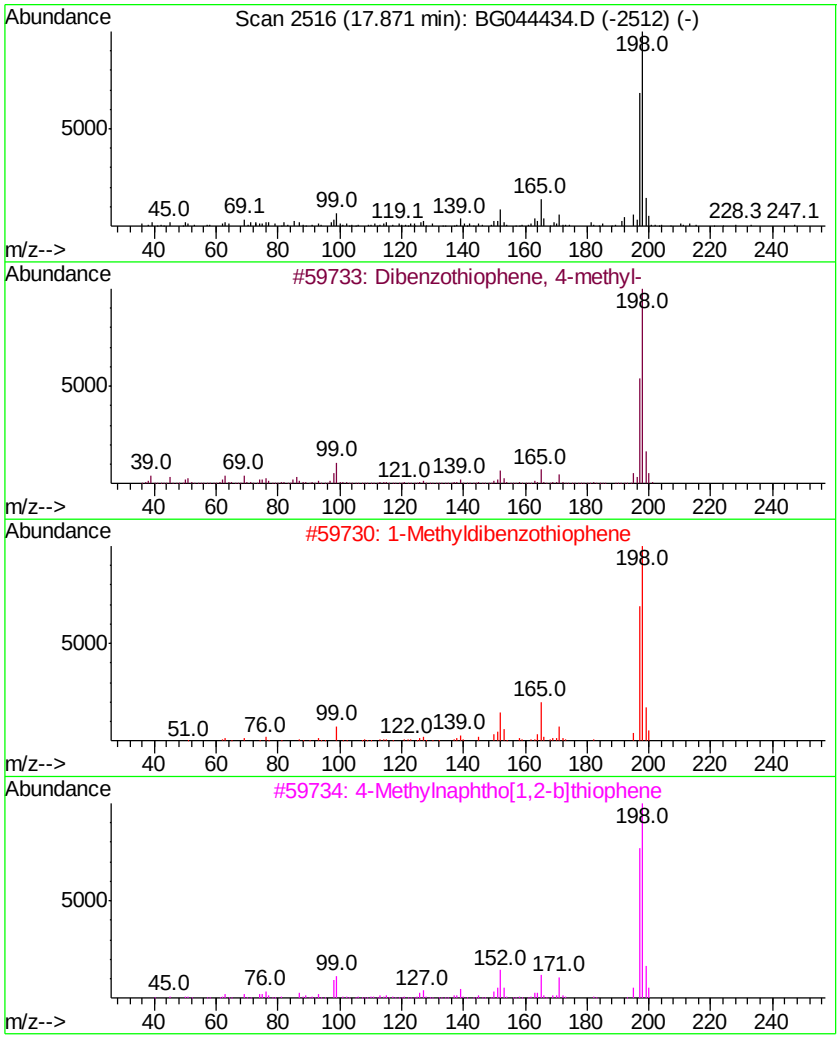
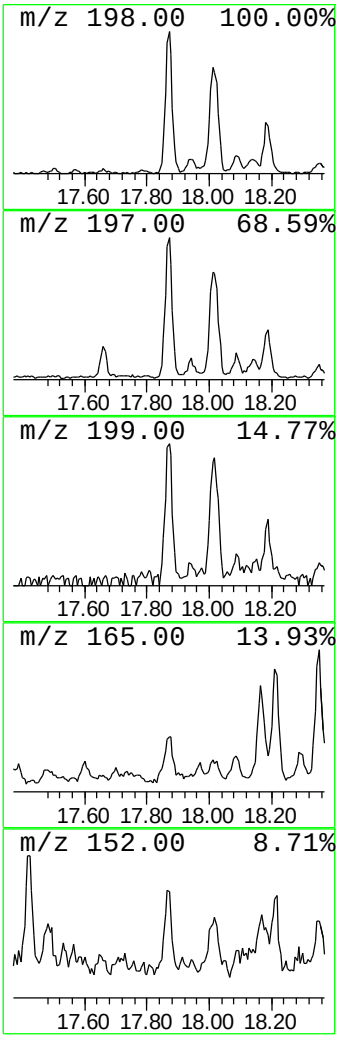
Peak Number 8 Dibenzothiophene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	2.09 ng	130737	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	86
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
5	Tacrine	198	C13H14N2	000321-64-2	80





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId : OR-02-021220

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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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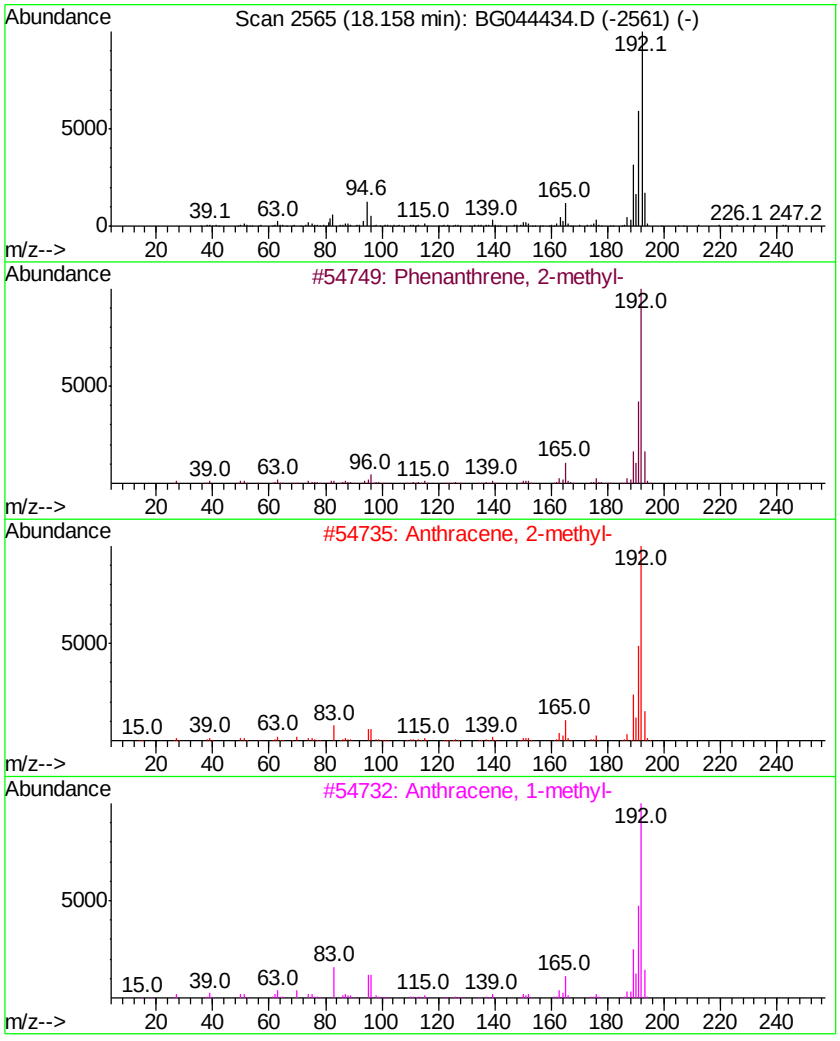
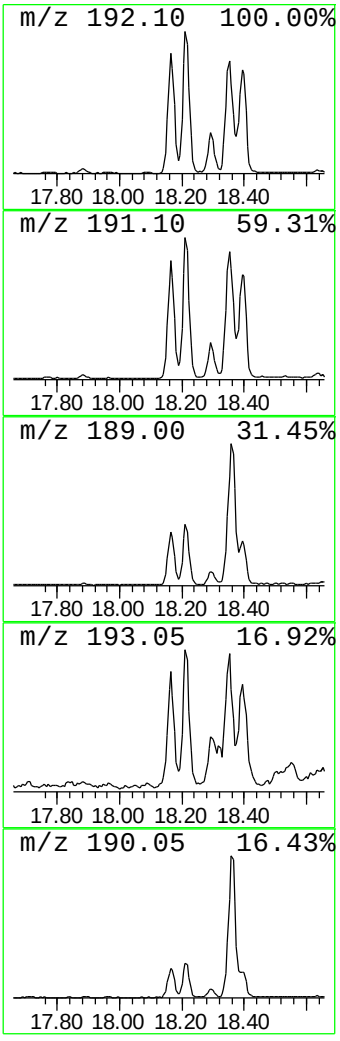
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	5.24 ng	328476	Phenanthrene-d10	17.29

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	90
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

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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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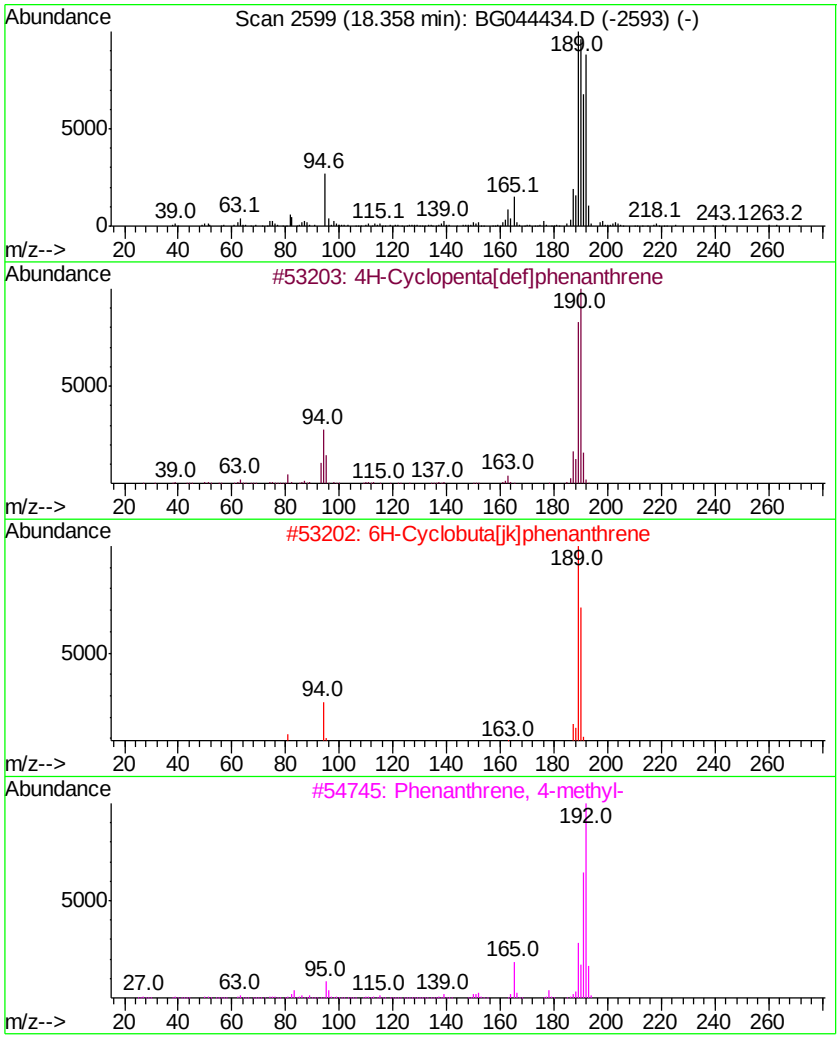
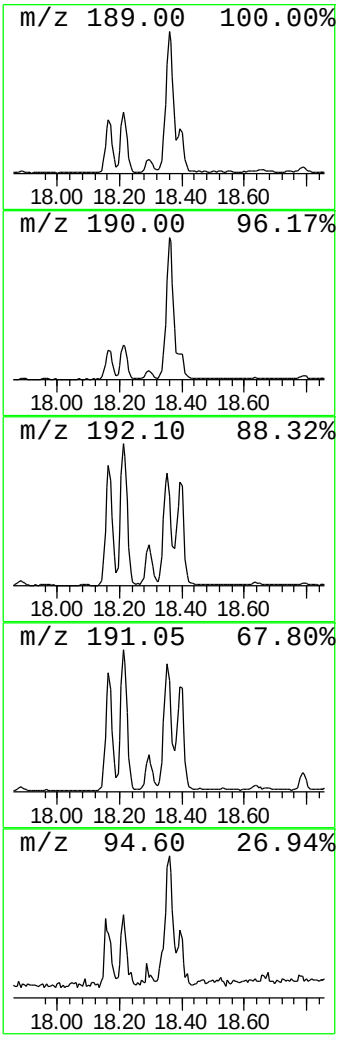
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	8.93 ng	559300	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	38





Library Search Compound Report

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Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

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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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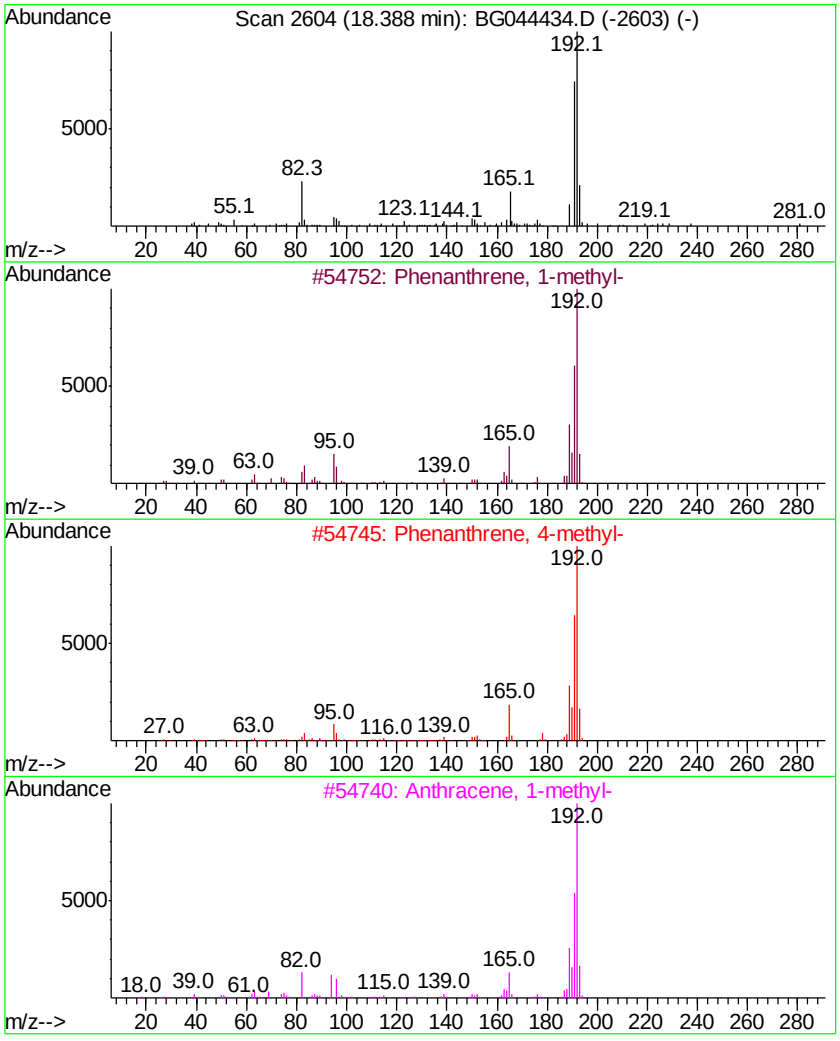
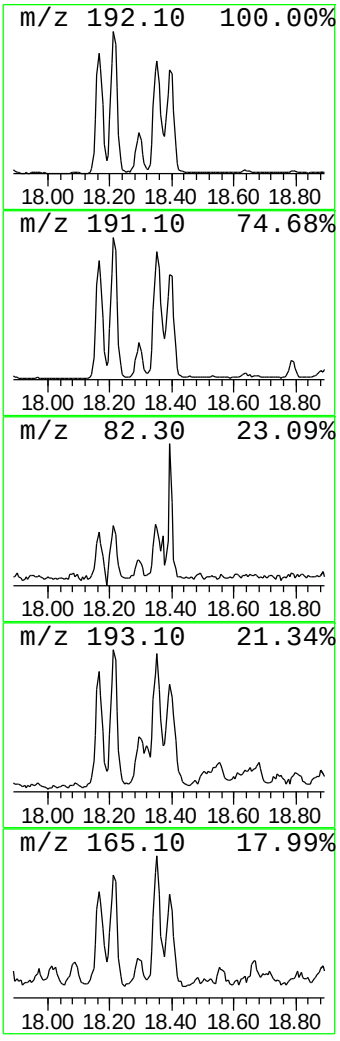
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	3.55 ng	222479	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64





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Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

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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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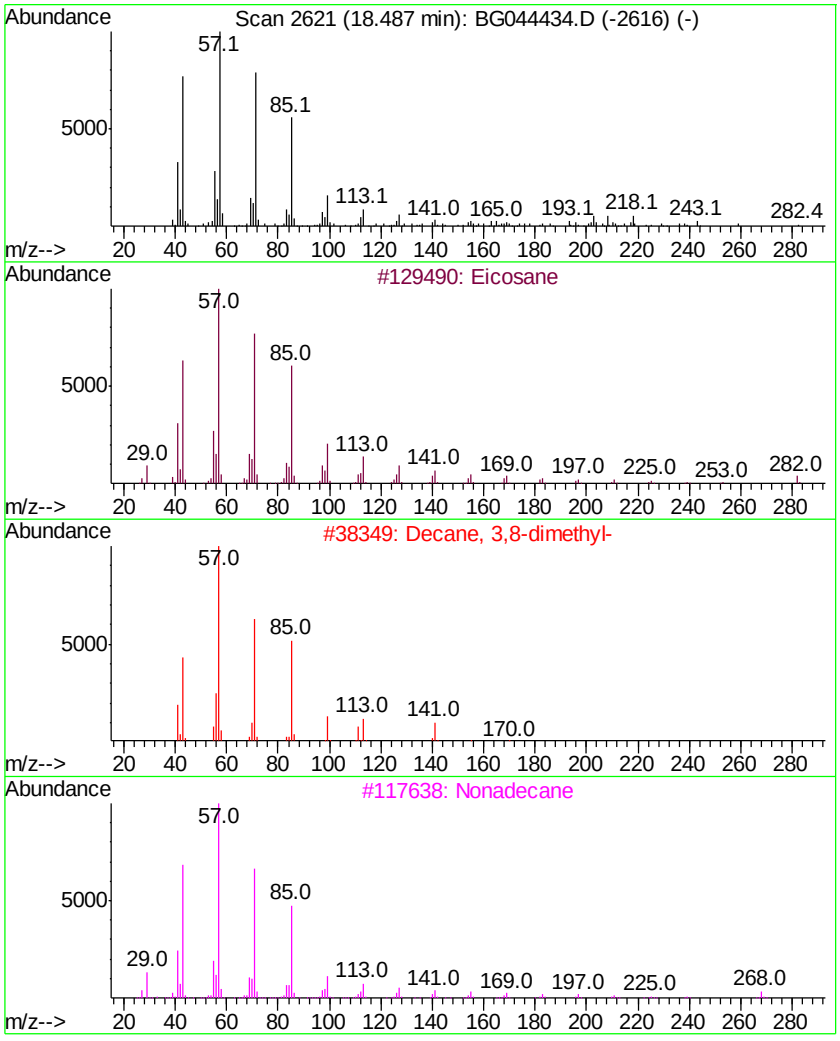
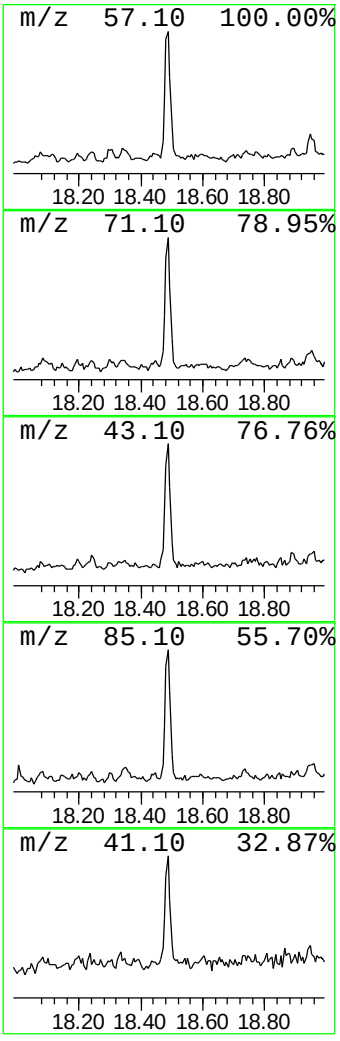
Peak Number 13 Eicosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.33 ng	146022	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87
3	Nonadecane	268	C19H40	000629-92-5	83
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5	Heptadecane	240	C17H36	000629-78-7	64





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Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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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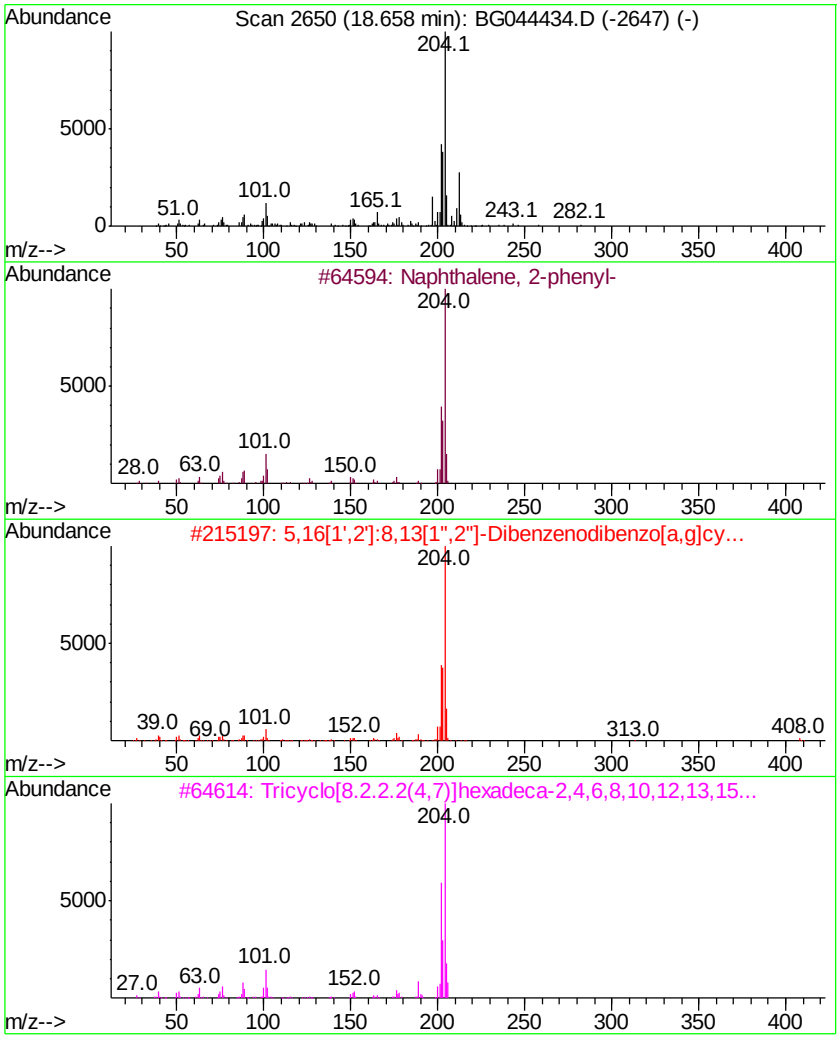
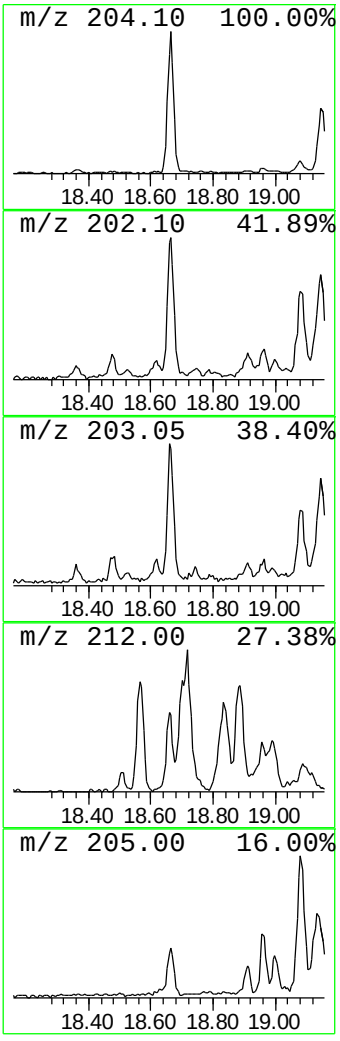
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	2.05 ng	128444	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64





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Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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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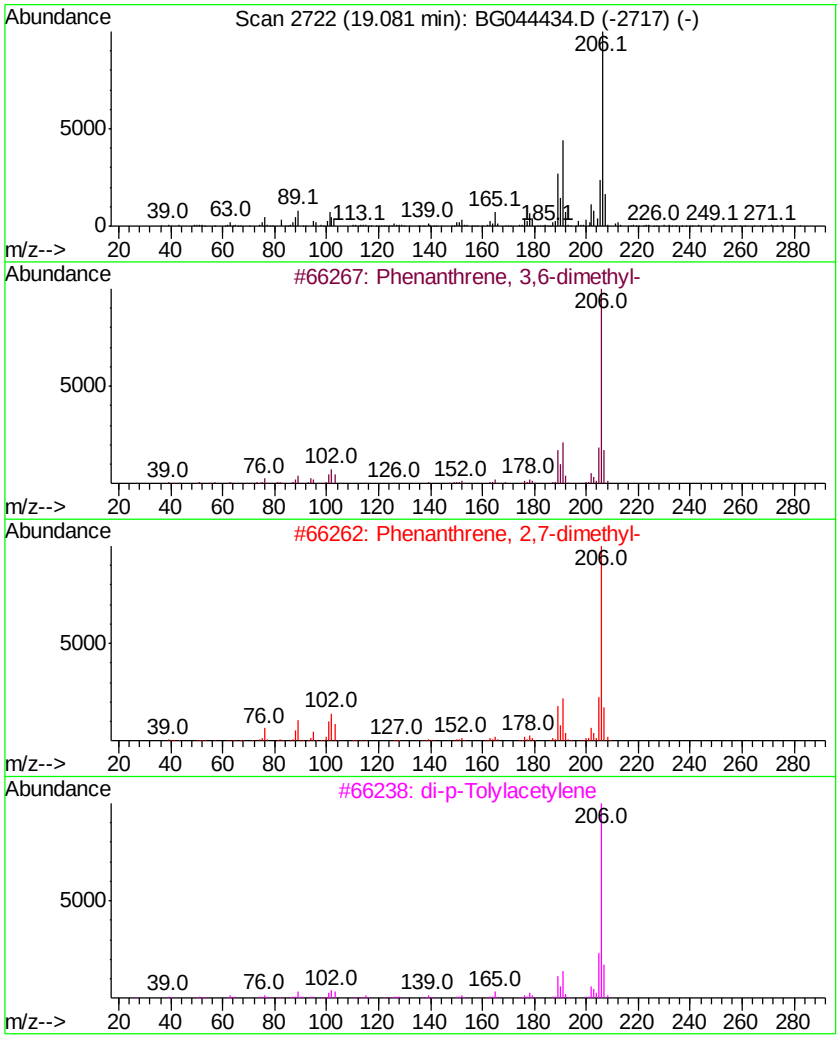
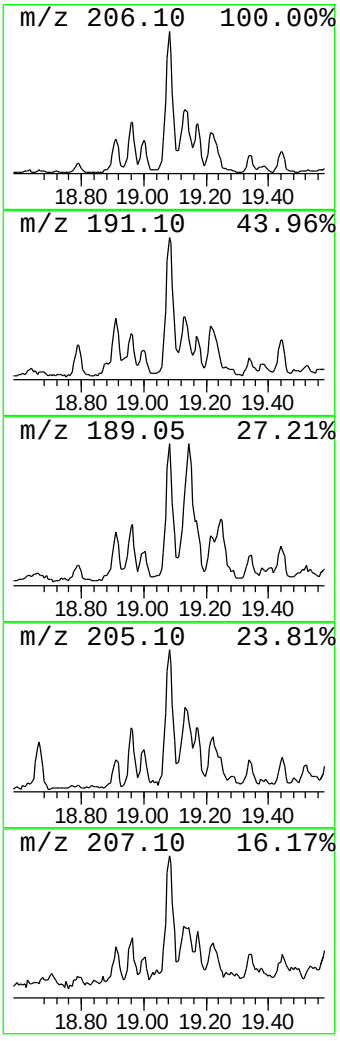
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	4.94 ng	309623	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Library Search Compound Report

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Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
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Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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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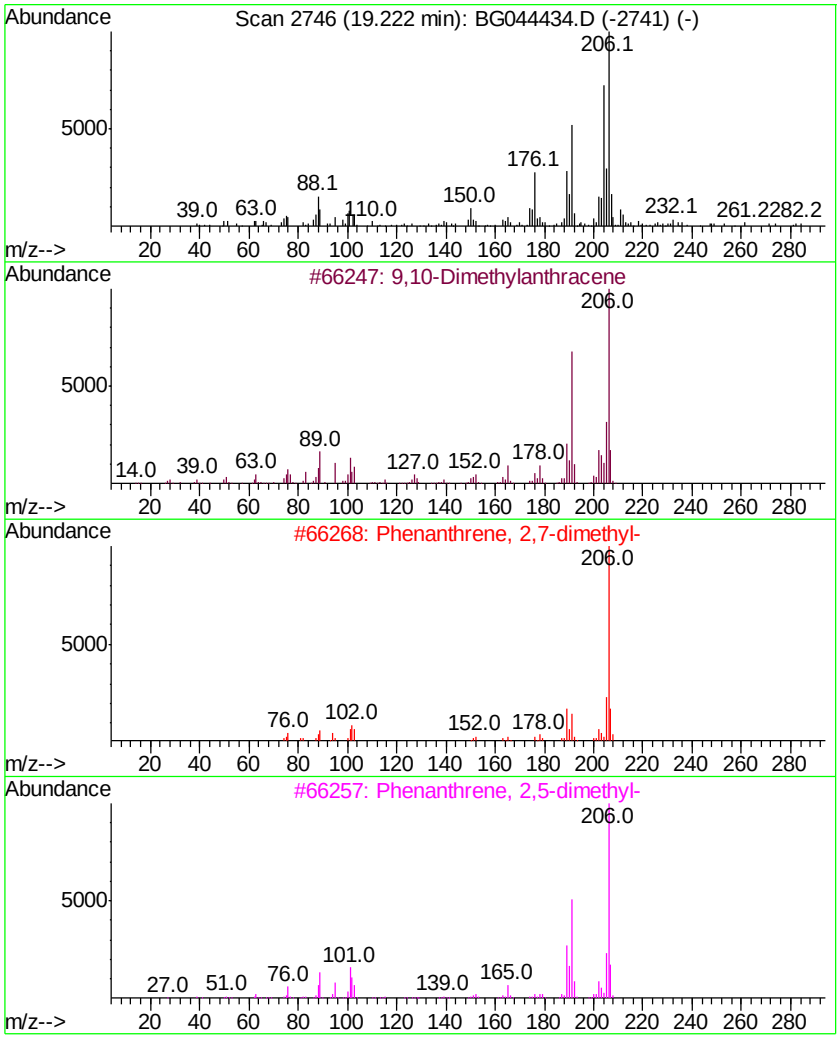
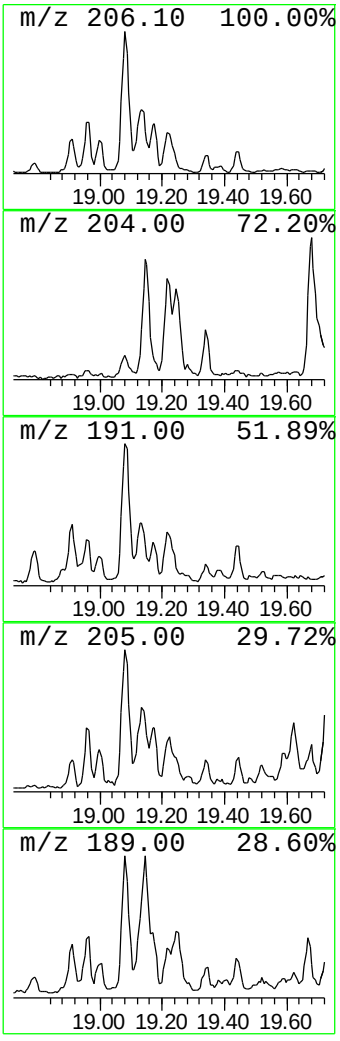
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	3.20 ng	200492	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	70
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
4	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	56
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	53





Library Search Compound Report

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Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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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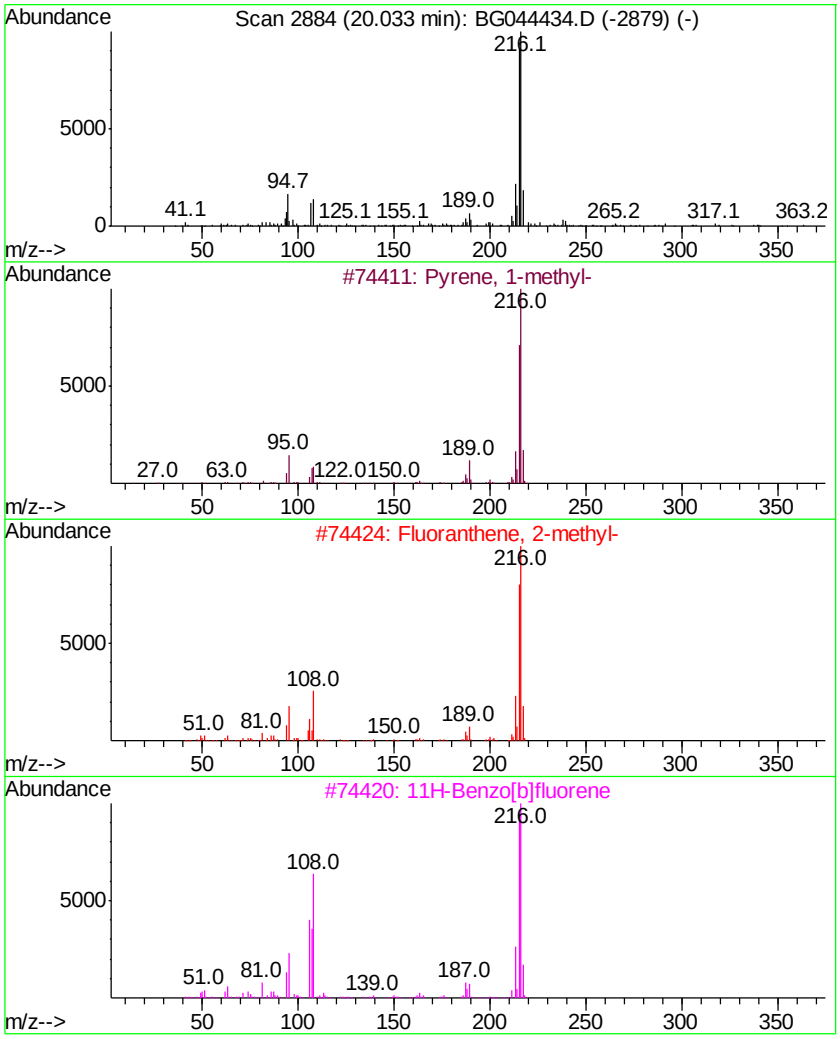
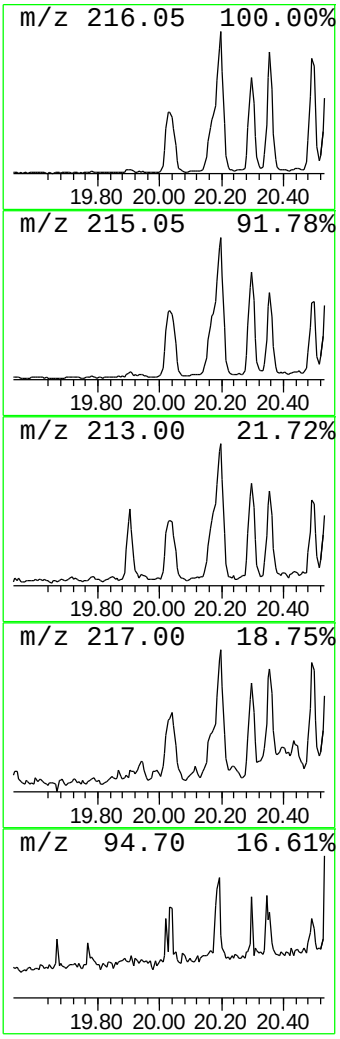
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	2.30 ng	210860	Chrysene-d12	21.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Tentatively Identified Compound (LSC) summary

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Data File : BG044434.D
Acq On : 14 Feb 2020 1:52
Operator : CG/JU
Sample : L1370-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-021220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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
Naphthalene, 2,3-...	13.86	3.1	ng	187033	3	14.55	1186660	20.0
Naphthalene, 2,3,...	14.94	2.4	ng	143925	3	14.55	1186660	20.0
Undecane, 5-ethyl...	16.27	3.1	ng	194397	4	17.29	1253300	20.0
Pentadecane	17.06	3.1	ng	194636	4	17.29	1253300	20.0
Dibenzothiophene	17.11	3.2	ng	199804	4	17.29	1253300	20.0
Tridecane, 1-iodo-	17.79	2.5	ng	157703	4	17.29	1253300	20.0
Dibenzothiophene,...	17.87	2.1	ng	130737	4	17.29	1253300	20.0
Phenanthrene, 2-m...	18.16	5.2	ng	328476	4	17.29	1253300	20.0
4H-Cyclopenta[def...	18.36	8.9	ng	559300	4	17.29	1253300	20.0
Phenanthrene, 1-m...	18.39	3.5	ng	222479	4	17.29	1253300	20.0
Eicosane	18.49	2.3	ng	146022	4	17.29	1253300	20.0
Naphthalene, 2-ph...	18.66	2.0	ng	128444	4	17.29	1253300	20.0
Phenanthrene, 3,6...	19.08	4.9	ng	309623	4	17.29	1253300	20.0
9,10-Dimethylanth...	19.22	3.2	ng	200492	4	17.29	1253300	20.0
Pyrene, 1-methyl-	20.03	2.3	ng	210860	5	21.54	1832500	20.0