LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045363.D
Acq On : 13 May 2020 15:34
Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

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-BG041520.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	5.546	412	418	430	rVB	98816	177356	5.61%	0.533%
2	7.144	684	690	700	rBV	114664	214743	6.79%	0.645%
3	7.972	824	831	840	rBV	240823	415581	13.14%	1.248%
4	8.295	880	886	895	rBV	94336	169444	5.36%	0.509%
5	9.130	1019	1028	1037	rBV	68015	139327	4.40%	0.419%
6	10.780	1297	1309	1315	rBV	338313	642085	20.30%	1.929%
7	10.827	1315	1317	1327	rVB	53619	85784	2.71%	0.258%
8	12.437	1586	1591	1599	rVB	77675	137401	4.34%	0.413%
9	12.660	1621	1629	1634	rBV	69391	125366	3.96%	0.377%
10	13.236	1721	1727	1733	rBV	247632	388111	12.27%	1.166%
11	13.776	1813	1819	1820	rBV	50562	62611	1.98%	0.188%
12	13.935	1840	1846	1851	rBV	89730	160905	5.09%	0.483%
13	13.988	1851	1855	1862	rVB2	68131	108629	3.43%	0.326%
14	14.064	1862	1868	1872	rBV2	30054	53893	1.70%	0.162%
15	14.176	1879	1887	1890	rBV	51218	97036	3.07%	0.292%
16	14.340	1908	1915	1923	rBV2	49757	98159	3.10%	0.295%
17	14.616	1951	1962	1968	rBV2	576623	955695	30.21%	2.871%
18	14.681	1968	1973	1980	rVV	128052	216365	6.84%	0.650%
19	14.834	1992	1999	2005	rVV5	34751	85402	2.70%	0.257%
20	14.922	2007	2014	2020	rVV4	21423	51143	1.62%	0.154%
21	15.016	2022	2030	2038	rVV2	111271	214432	6.78%	0.644%
22	15.092	2038	2043	2048	rVV	80124	115429	3.65%	0.347%
23	15.233	2060	2067	2072	rBV2	76970	146335	4.63%	0.440%
24	15.286	2072	2076	2083	rVB	45566	65326	2.06%	0.196%
25	15.398	2088	2095	2096	rBV4	37433	63513	2.01%	0.191%
26	15.439	2099	2102	2106	rVB2	35419	50409	1.59%	0.151%
27	15.580	2120	2126	2133	rVB4	31357	56922	1.80%	0.171%
28	15.662	2134	2140	2145	rBV3	158061	265668	8.40%	0.798%
29	15.762	2152	2157	2158	rBV4	26348	35563	1.12%	0.107%
30	15.785	2158	2161	2165	rVV3	52090	79337	2.51%	0.238%
31	15.826	2165	2168	2173	rVB4	37046	57034	1.80%	0.171%
32	15.879	2173	2177	2181	rBV4	36836	59794	1.89%	0.180%
33	15.956	2186	2190	2200	rVB3	62189	138238	4.37%	0.415%
34	16.102	2209	2215	2224	rVB4	215317	389834	12.32%	1.171%

LSC Area Percent Report

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Data File : BG045363.D
Acq On : 13 May 2020 15:34
Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

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-BG041520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.337	2248	2255	2264	rVB5	59545	143331	4.53%	0.431%
36	16.478	2274	2279	2283	rBV3	36944	61407	1.94%	0.184%
37	16.614	2298	2302	2306	rBV2	83765	135525	4.28%	0.407%
38	16.666	2306	2311	2316	rVV3	100106	194704	6.15%	0.585%
39	16.719	2316	2320	2326	rVB3	61913	99750	3.15%	0.300%
40	16.819	2334	2337	2342	rVB3	65009	101273	3.20%	0.304%
41	16.878	2342	2347	2348	rBV2	31754	45507	1.44%	0.137%
42	17.101	2381	2385	2388	rBV5	33988	55135	1.74%	0.166%
43	17.183	2394	2399	2408	rVB	93352	173618	5.49%	0.522%
44	17.289	2412	2417	2423	rVB	304262	440480	13.92%	1.323%
45	17.366	2423	2430	2433	rBV	621025	1023275	32.35%	3.074%
46	17.407	2433	2437	2444	rVB	1150414	1710917	54.08%	5.140%
47	17.495	2444	2452	2457	rBV	316191	497945	15.74%	1.496%
48	17.553	2457	2462	2468	rBV2	210869	335700	10.61%	1.008%
49	17.736	2487	2493	2497	rBV	453297	717215	22.67%	2.155%
50	17.947	2525	2529	2536	rVB2	92932	156009	4.93%	0.469%
51	18.041	2540	2545	2549	rVV2	135354	195369	6.18%	0.587%
52	18.088	2549	2553	2559	rVB2	60667	110432	3.49%	0.332%
53	18.241	2573	2579	2583	rBV	265633	449636	14.21%	1.351%
54	18.288	2583	2587	2595	rVB	363220	574411	18.16%	1.726%
55	18.370	2595	2601	2606	rBV	166570	295392	9.34%	0.887%
56	18.435	2606	2612	2616	rVV3	426345	866071	27.38%	2.602%
57	18.470	2616	2618	2624	rVB	240279	339031	10.72%	1.018%
58	18.640	2643	2647	2651	rVB3	54314	76104	2.41%	0.229%
59	18.734	2660	2663	2667	rBV	143001	209284	6.62%	0.629%
60	18.781	2667	2671	2681	rVB5	101598	213684	6.75%	0.642%
61	18.952	2698	2700	2702	rBV3	42830	49899	1.58%	0.150%
62	18.981	2703	2705	2709	rVV	91885	128723	4.07%	0.387%
63	19.034	2711	2714	2717	rVV	126378	170756	5.40%	0.513%
64	19.069	2718	2720	2725	rVB2	101359	125780	3.98%	0.378%
65	19.169	2730	2737	2740	rBV2	466877	937940	29.65%	2.818%
66	19.204	2740	2743	2749	rVB4	673888	876853	27.72%	2.634%
67	19.292	2754	2758	2763	rBV	182732	364220	11.51%	1.094%
68	19.422	2774	2780	2786	rBV	1998787	2908227	91.93%	8.737%
69	19.657	2818	2820	2823	rBV2	73304	79778	2.52%	0.240%
70	19.780	2831	2841	2849	rVV	1784180	3163616	100.00%	9.504%
71	19.856	2850	2854	2859	rVB3	138682	231820	7.33%	0.696%

LSC Area Percent Report

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Data File : BG045363.D
Acq On : 13 May 2020 15:34
Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.980	2871	2875	2878	rVB	345277	426375	13.48%	1.281%
73	20.097	2892	2895	2903	rVB4	172330	390280	12.34%	1.172%
74	20.267	2921	2924	2930	rVB	297903	437820	13.84%	1.315%
75	20.373	2938	2942	2945	rVB	212622	290143	9.17%	0.872%
76	20.432	2948	2952	2956	rVB	241236	325577	10.29%	0.978%
77	20.567	2972	2975	2979	rBV	183383	281592	8.90%	0.846%
78	20.614	2980	2983	2988	rVB	231818	352264	11.13%	1.058%
79	20.790	3009	3013	3017	rBV5	146568	317512	10.04%	0.954%
80	21.613	3147	3153	3160	rBV2	927880	2285121	72.23%	6.865%
81	21.671	3160	3163	3169	rVB	661718	951051	30.06%	2.857%
82	23.798	3518	3525	3531	rBV	374359	1115906	35.27%	3.352%
83	24.638	3661	3668	3682	rVB2	367892	1068632	33.78%	3.210%
84	24.785	3688	3693	3701	rVB	283844	663630	20.98%	1.994%

Sum of corrected areas: 33287590

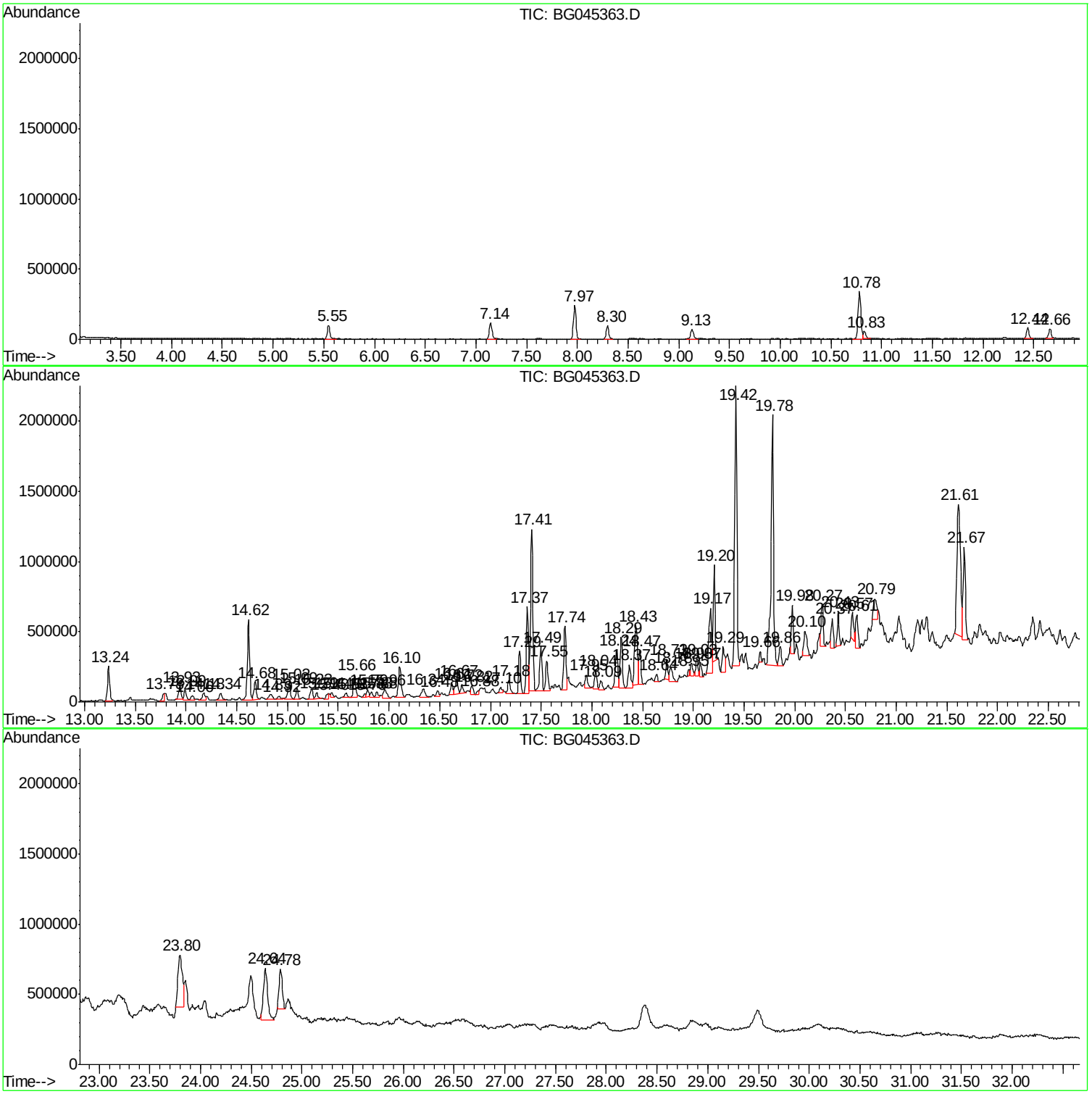
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045363.D
Acq On : 13 May 2020 15:34
Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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\BG051220\
Data File : BG045363.D
Acq On : 13 May 2020 15:34
Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

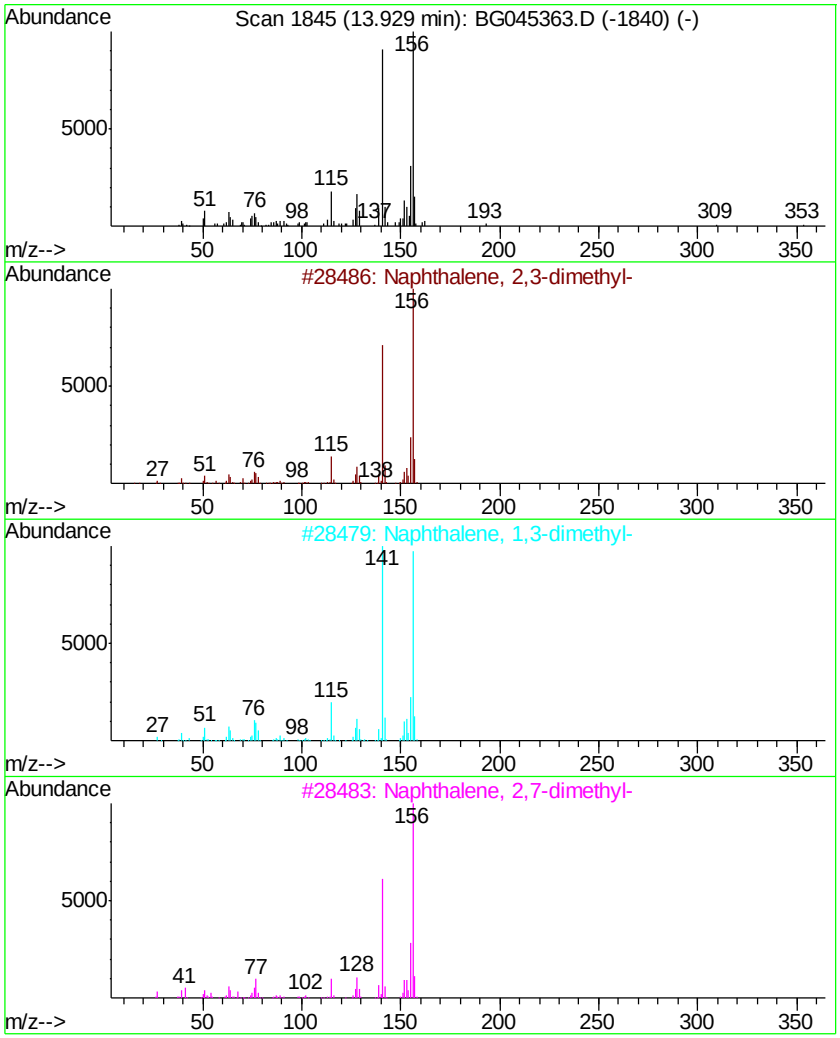
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

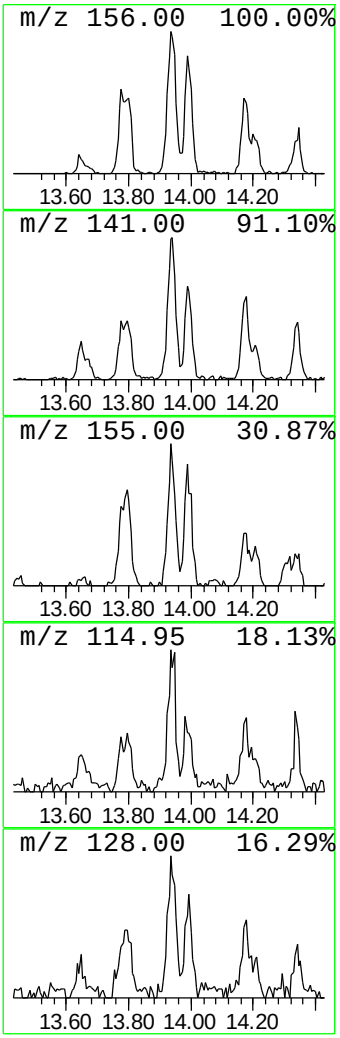
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	3.37 ng	160905	Acenaphthene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045363.D
Acq On : 13 May 2020 15:34
Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

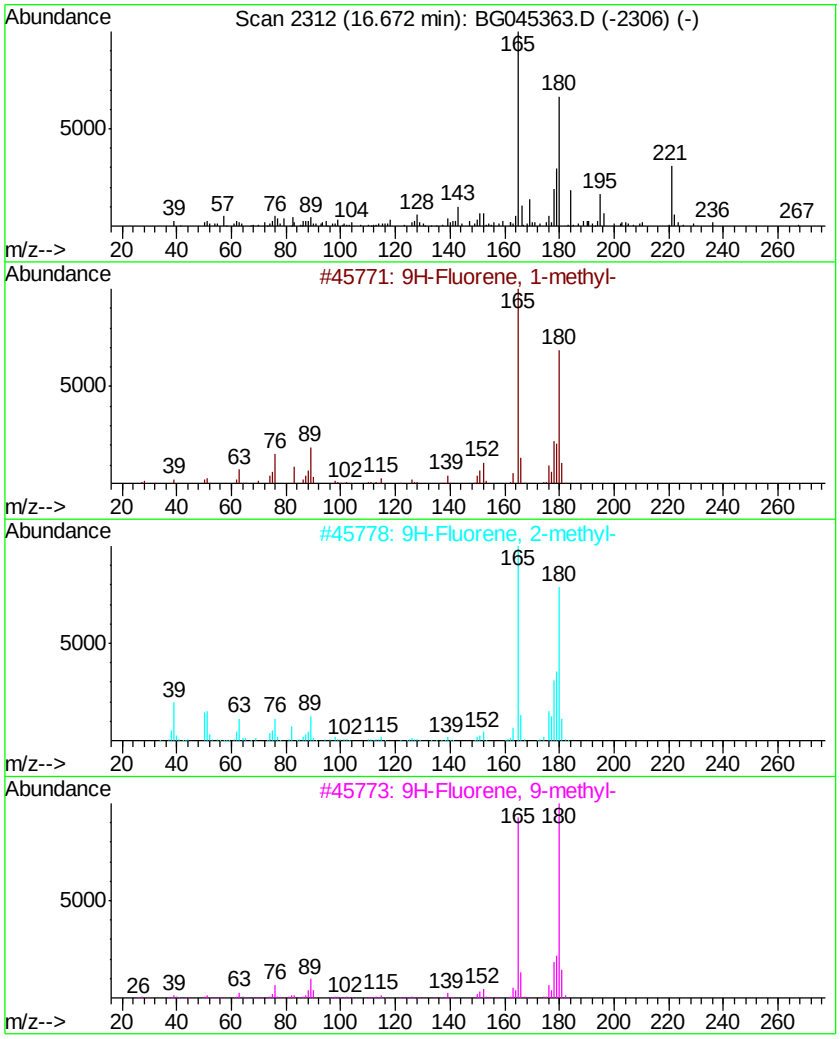
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

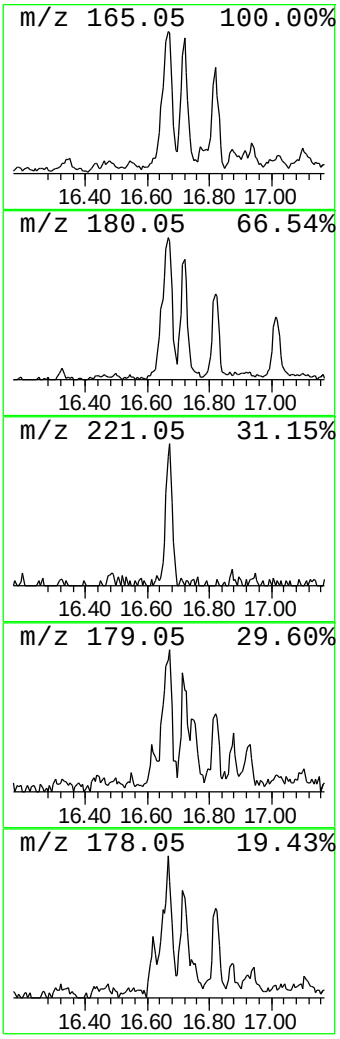
****

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	3.81 ng	194704	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	58
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58
4	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	52
5	Silane, trimethyl(2-methylphenoxy)-	180	C10H16OSi	001009-02-5	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045363.D
Acq On : 13 May 2020 15:34
Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

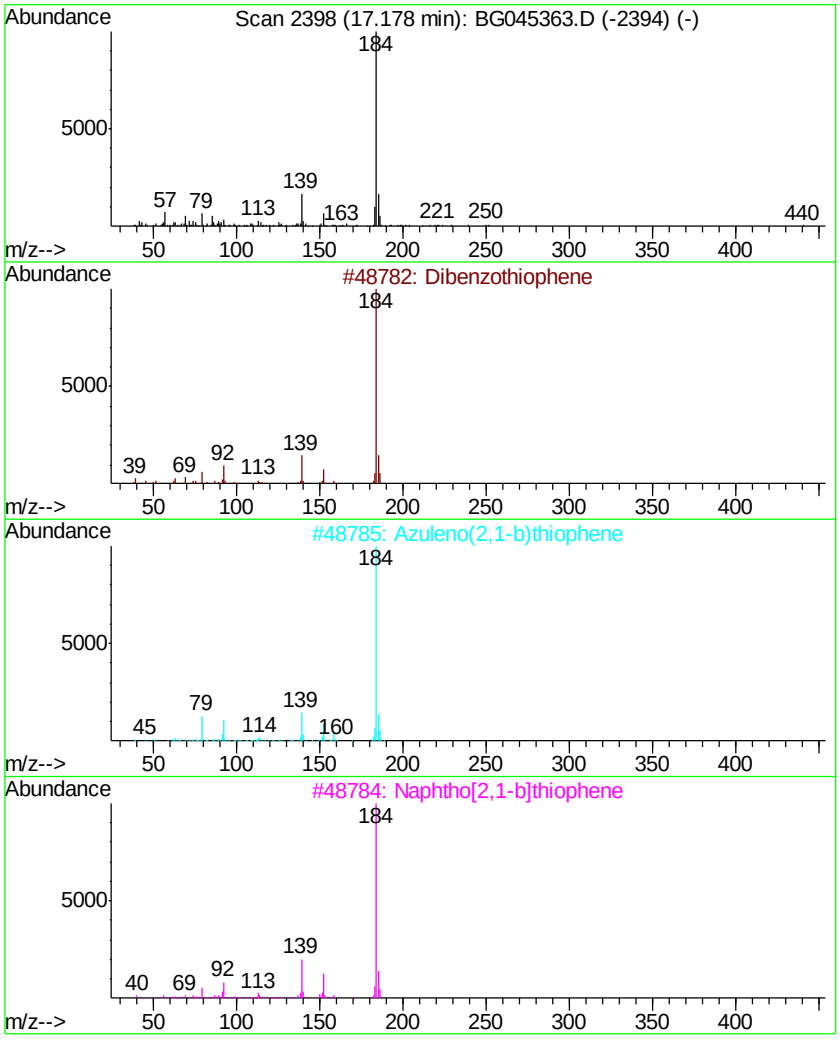
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

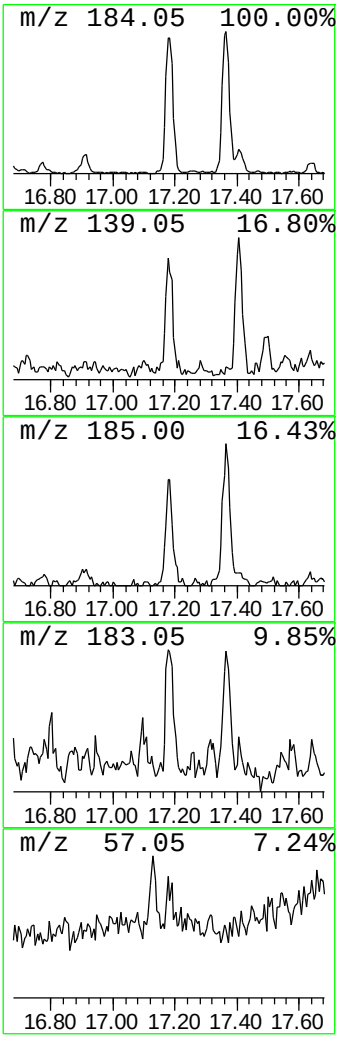
****

Peak Number 4 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.18	3.39 ng	173618	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	91
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	83
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045363.D
Acq On : 13 May 2020 15:34
Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

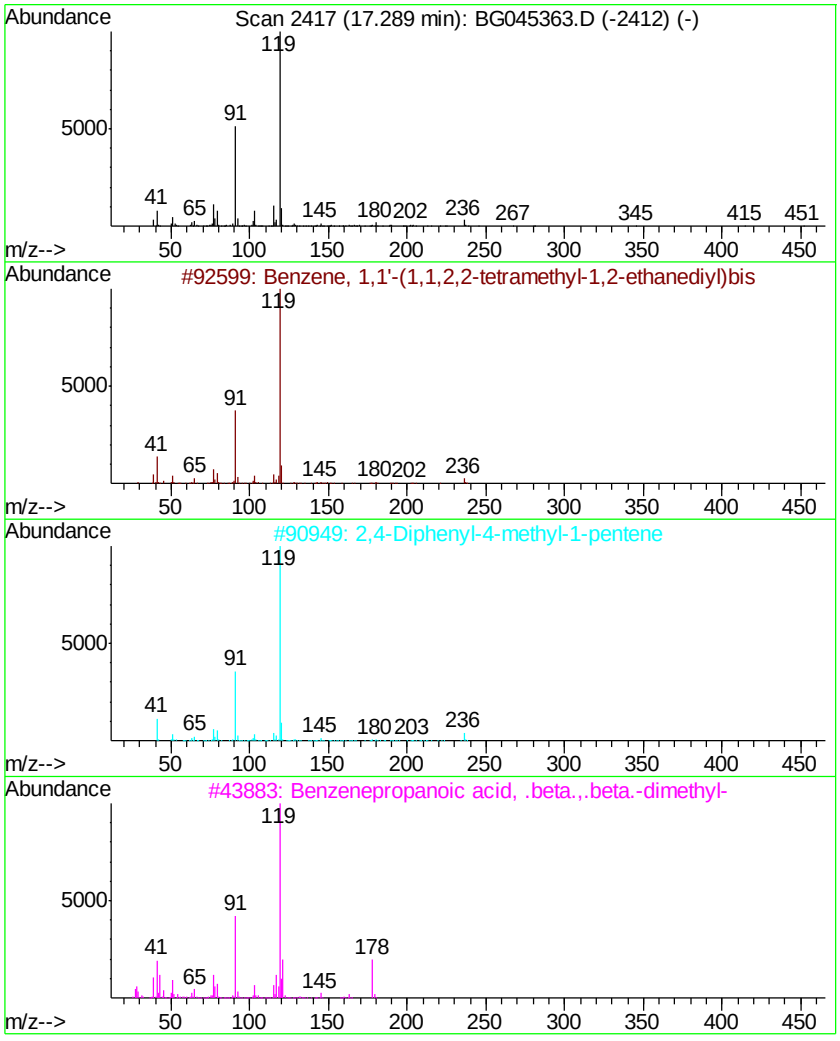
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

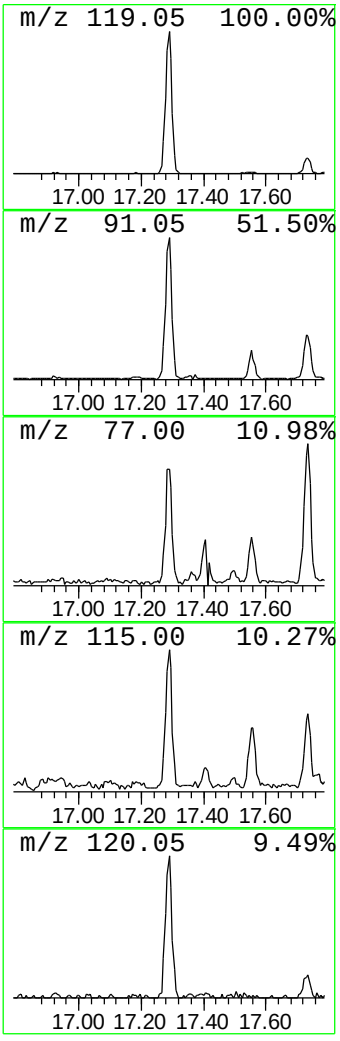
****

Peak Number 5 Benzene, 1,1'-(1,1,2,2-tetr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	8.61 ng	440480	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	94
2	2,4-Diphenyl-4-methyl-1-pentene	236	C18H20	1000111-58-0	91
3	Benzenepropanoic acid, .beta.,.b...	178	C11H14O2	001010-48-6	78
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
5	o-Cymene	134	C10H14	000527-84-4	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045363.D
Acq On : 13 May 2020 15:34
Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

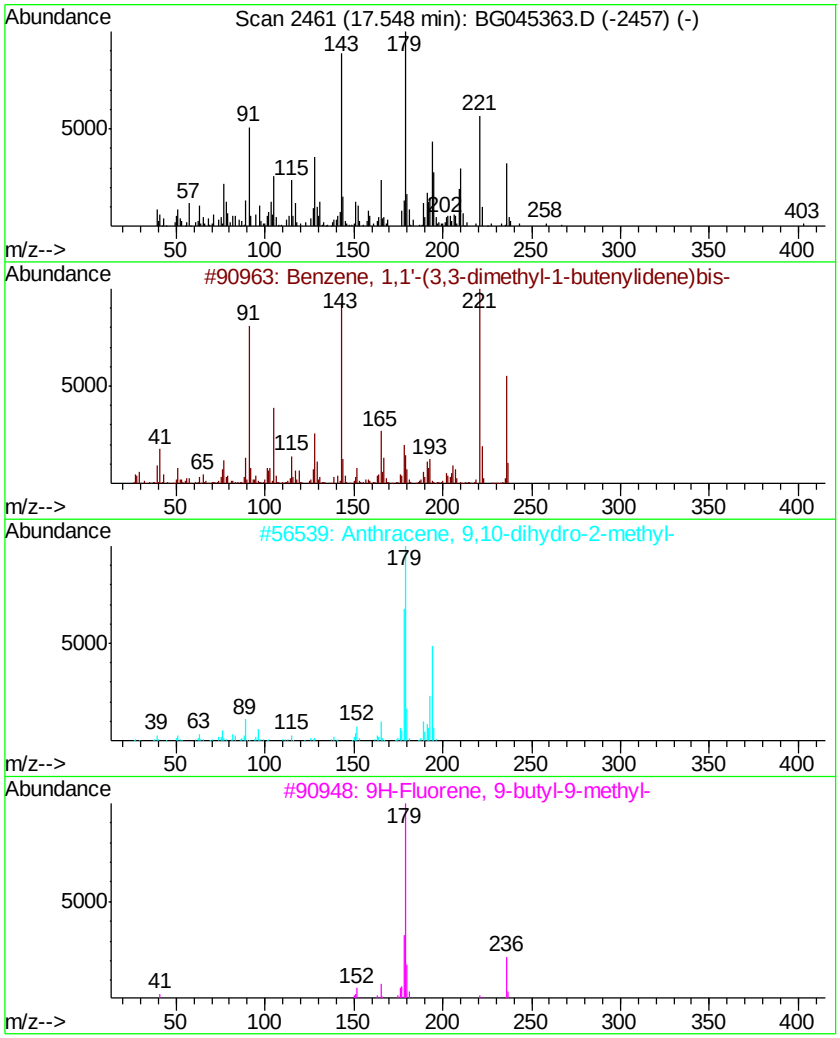
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

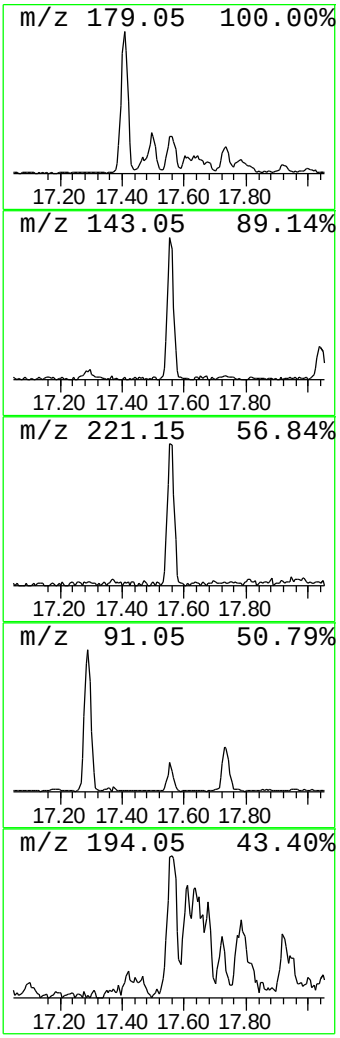
****

Peak Number 6 Benzene, 1,1'-(3,3-dimethyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	6.56 ng	335700	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(3,3-dimethyl-1-bu...	236	C18H20	023586-64-3	52
2	Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	42
3	9H-Fluorene, 9-butyl-9-methyl-	236	C18H20	042348-92-5	38
4	2,6-Dimethylphenol, tert-butyldi...	236	C14H24OSi	062790-89-0	35
5	Stannane, diethyldimethyl-	208	C6H16Sn	004282-05-7	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045363.D
Acq On : 13 May 2020 15:34
Operator : CG/JU
Sample : L2502-01 10X
Misc :
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Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

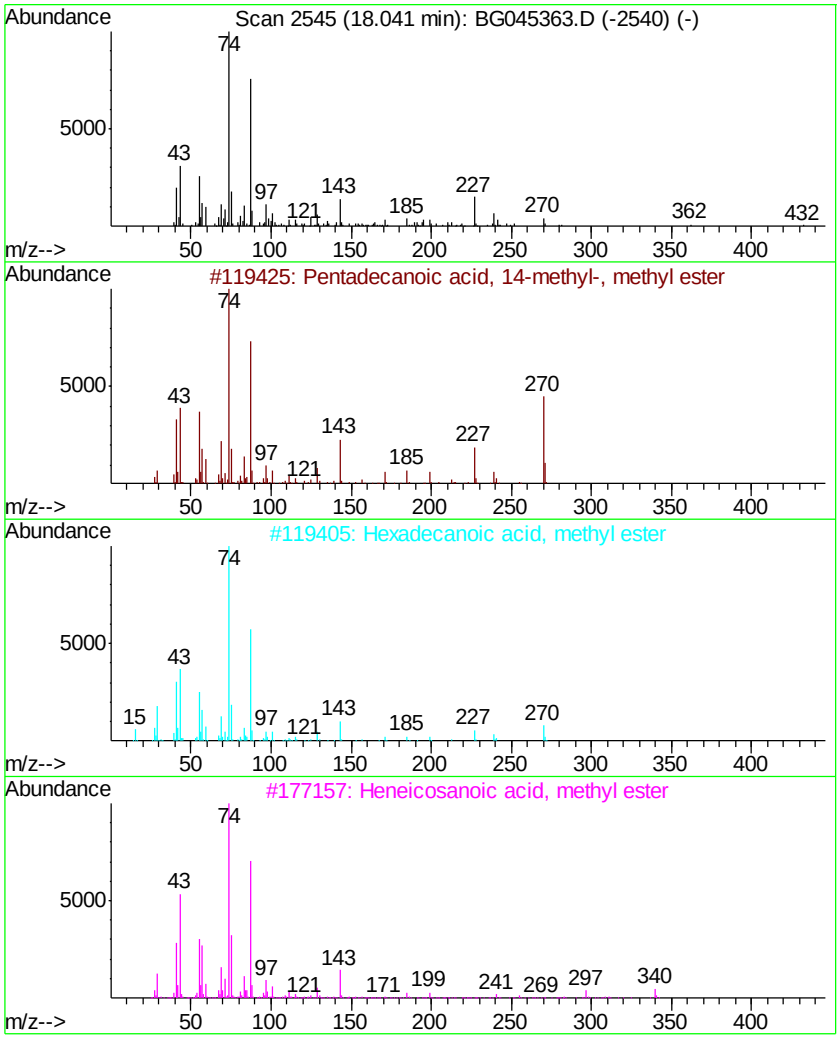
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

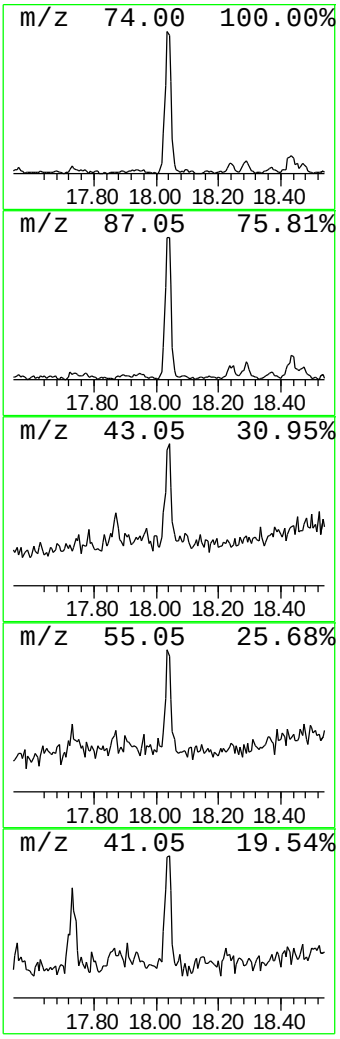
****

Peak Number 7 Pentadecanoic acid, 14-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	3.82 ng	195369	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	94
2	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	91
3	Heneicosanoic acid, methyl ester	340	C22H44O2	006064-90-0	86
4	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83
5	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	80





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Acq On : 13 May 2020 15:34
Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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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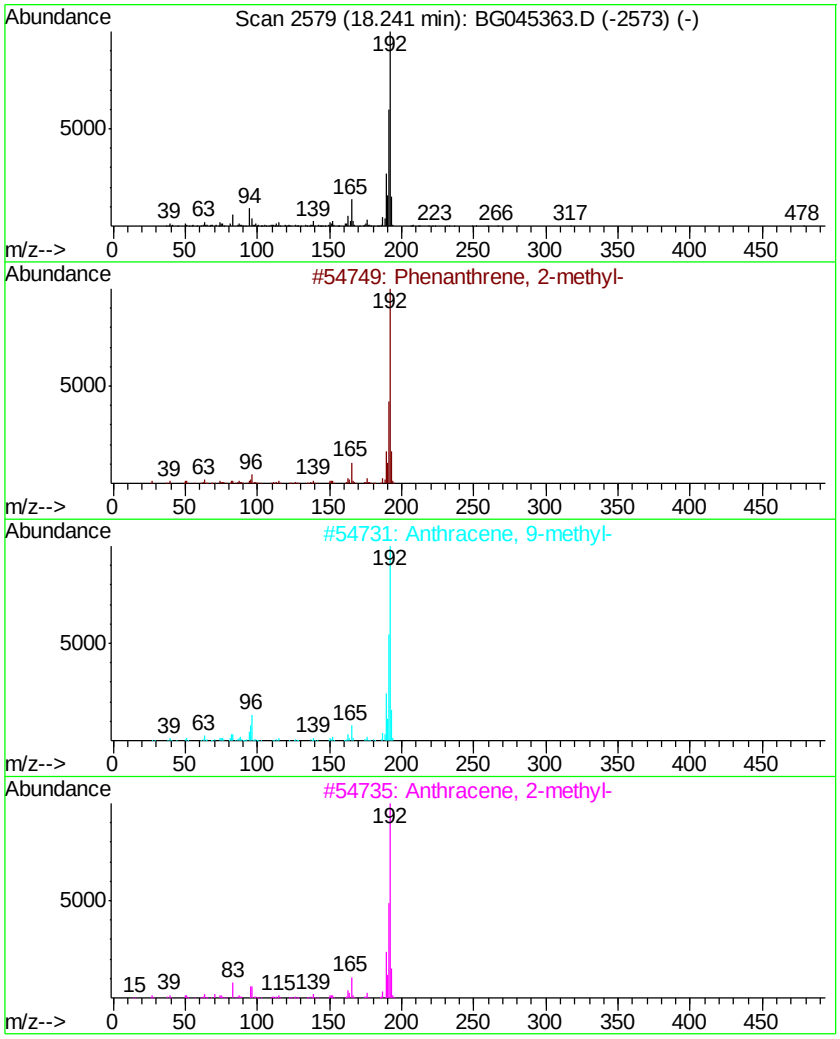
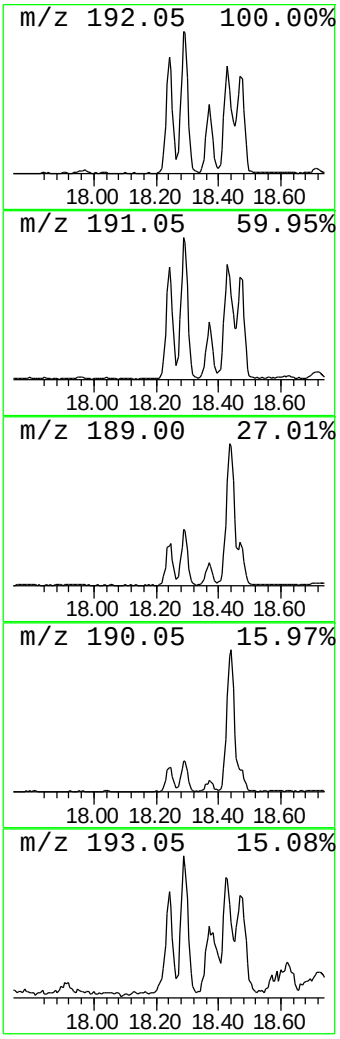
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	8.79 ng	449636	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91





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Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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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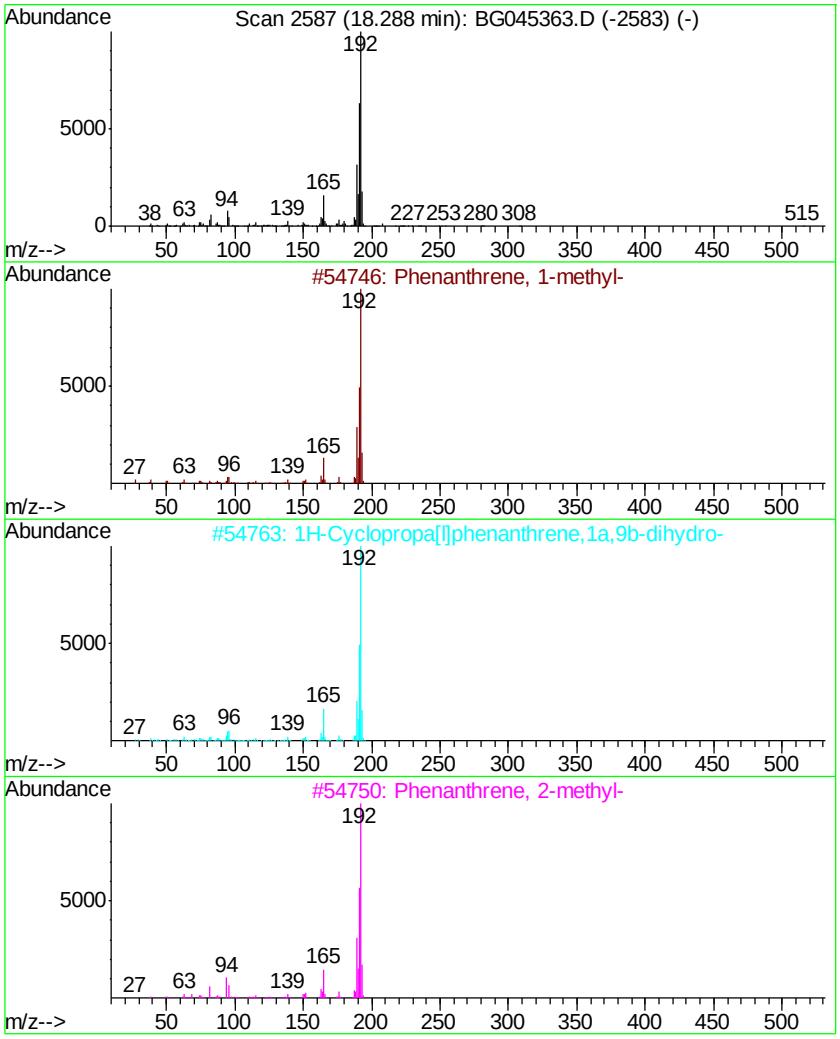
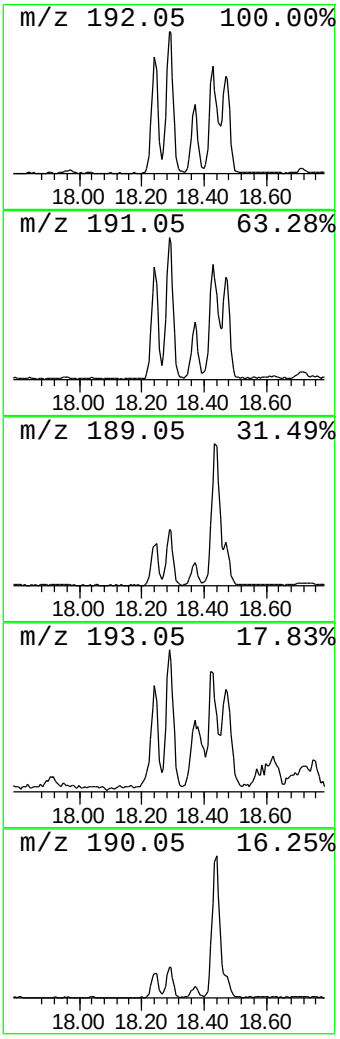
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	11.23 ng	574411	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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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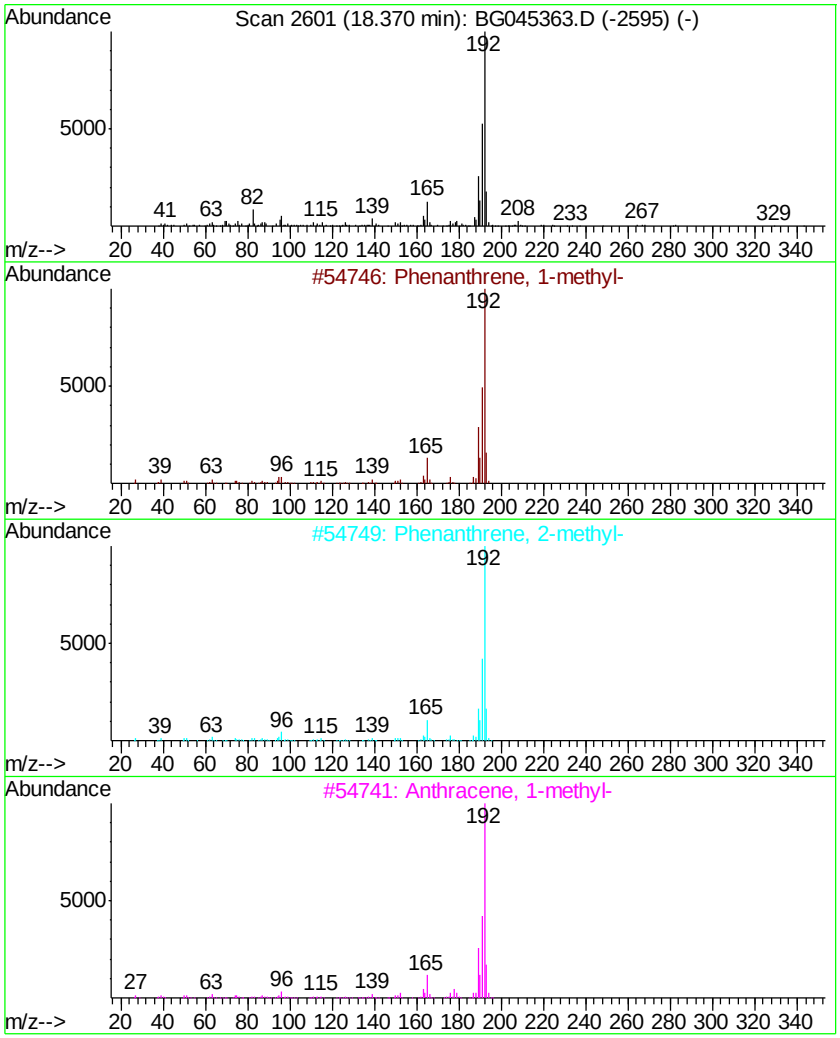
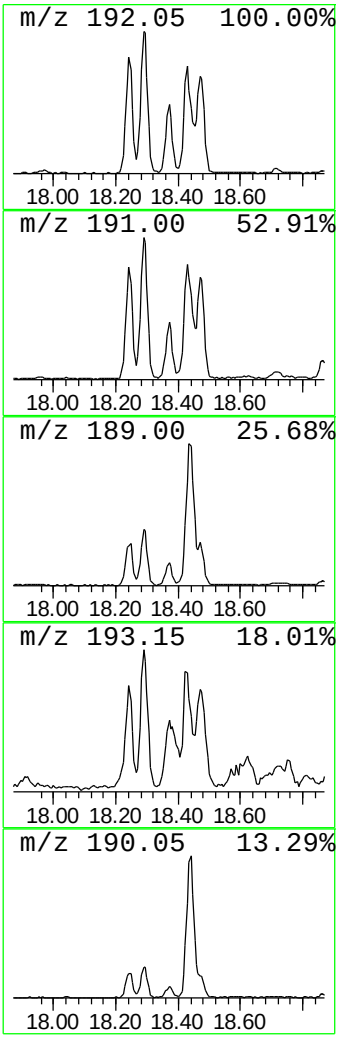
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	5.77 ng	295392	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Data File : BG045363.D
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Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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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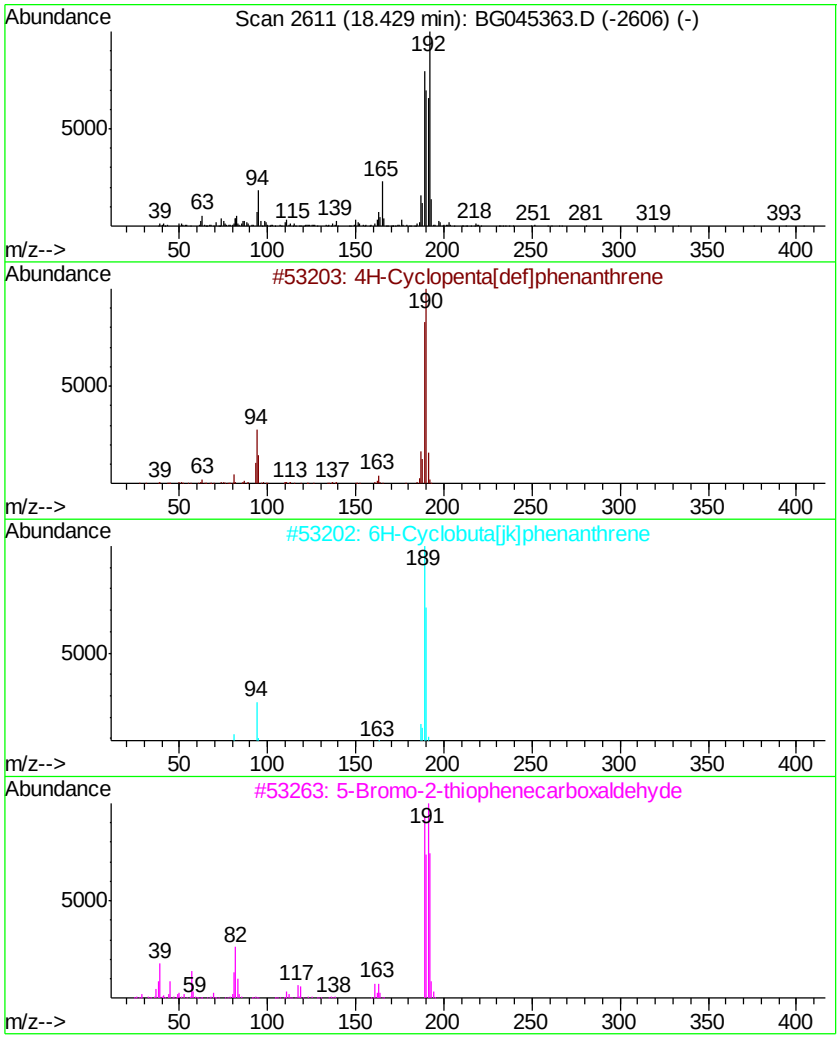
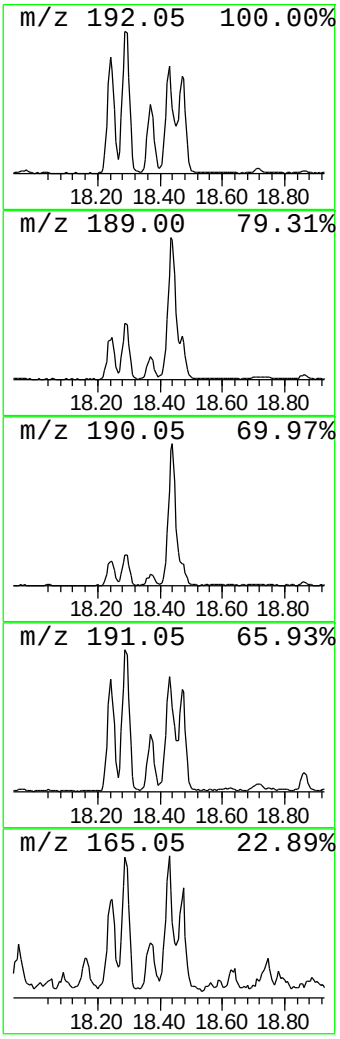
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	16.93 ng	866071	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30





Library Search Compound Report

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Sample : L2502-01 10X
Misc :
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Instrument : BNA_G
ClientSampleId : PL-01-050820

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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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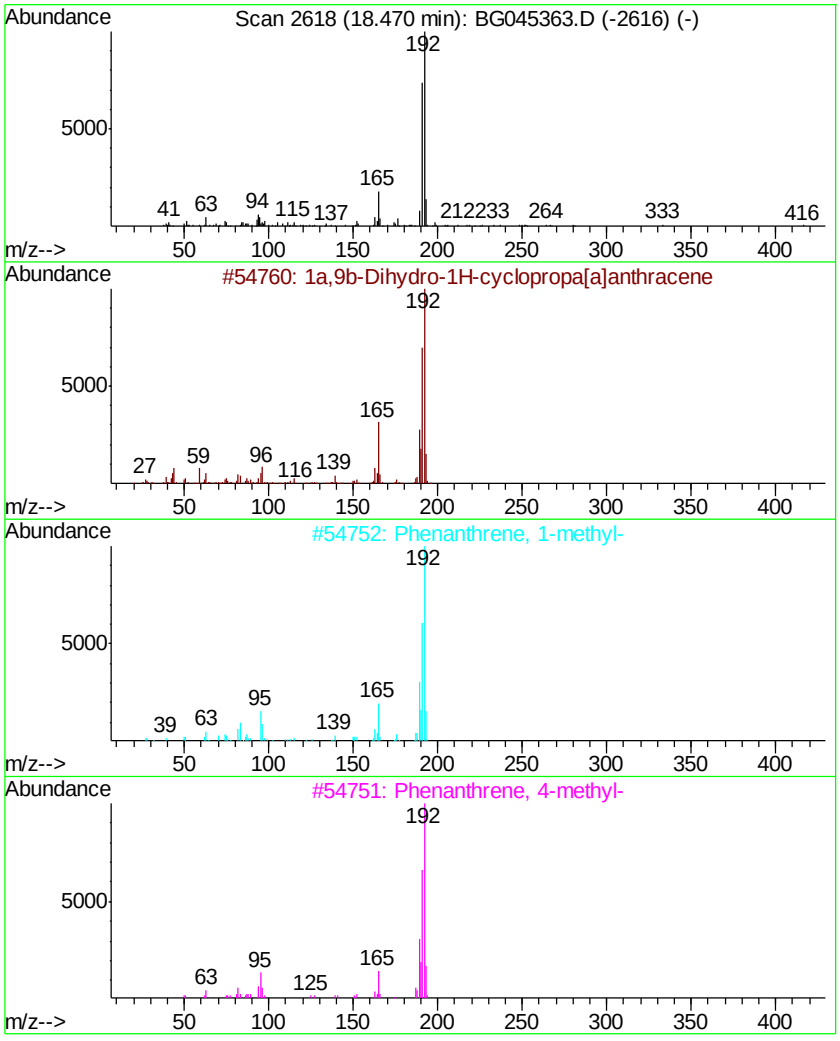
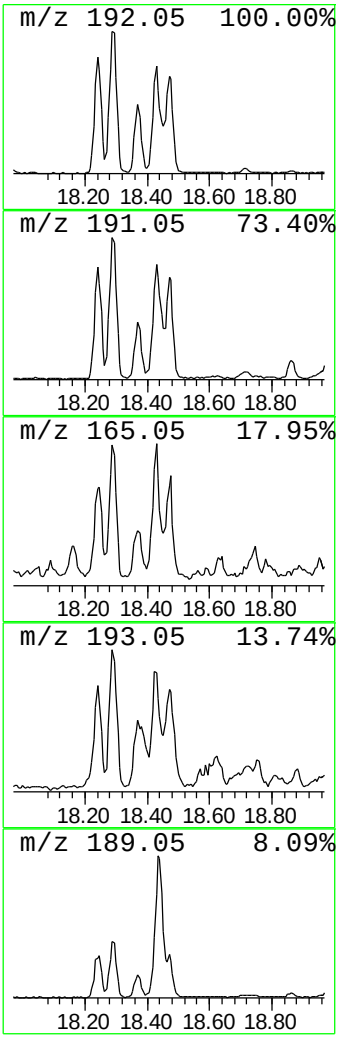
Peak Number 12 1a,9b-Dihydro-1H-cyclopropa... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	6.63 ng	339031	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	86





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Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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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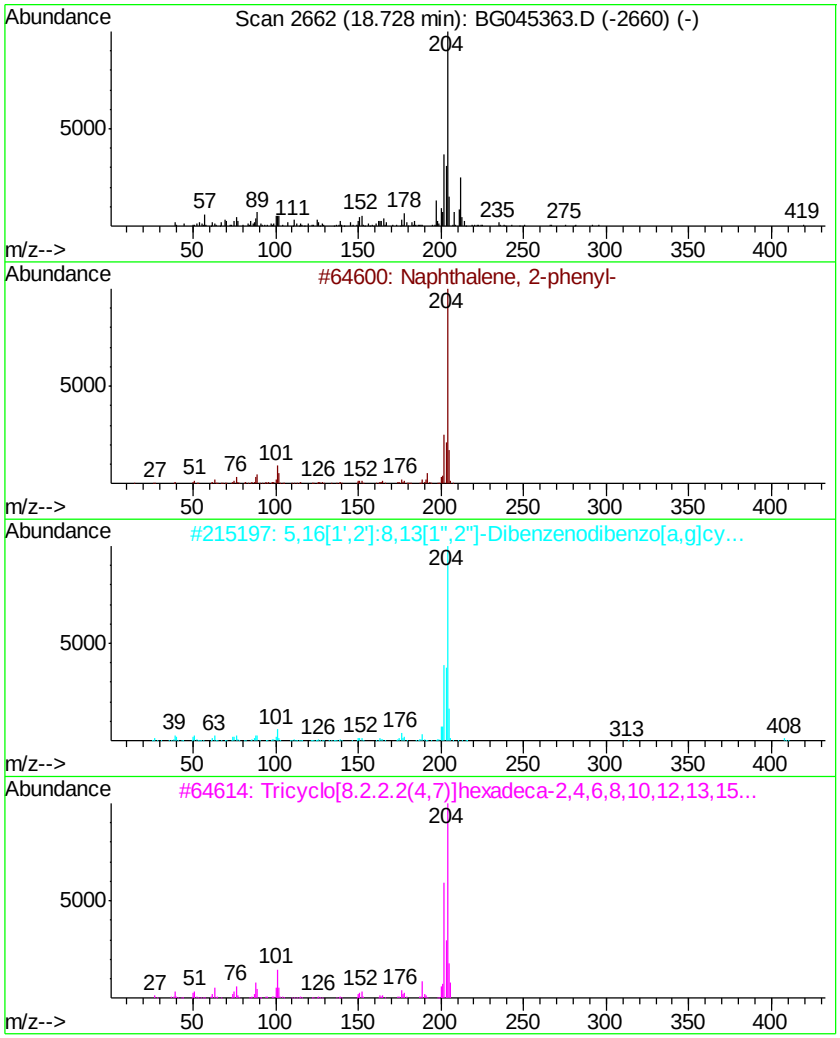
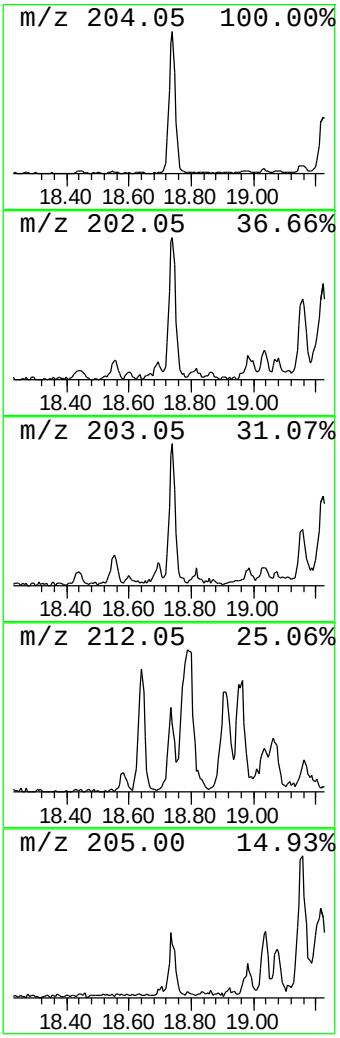
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	4.09 ng	209284	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	49





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Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

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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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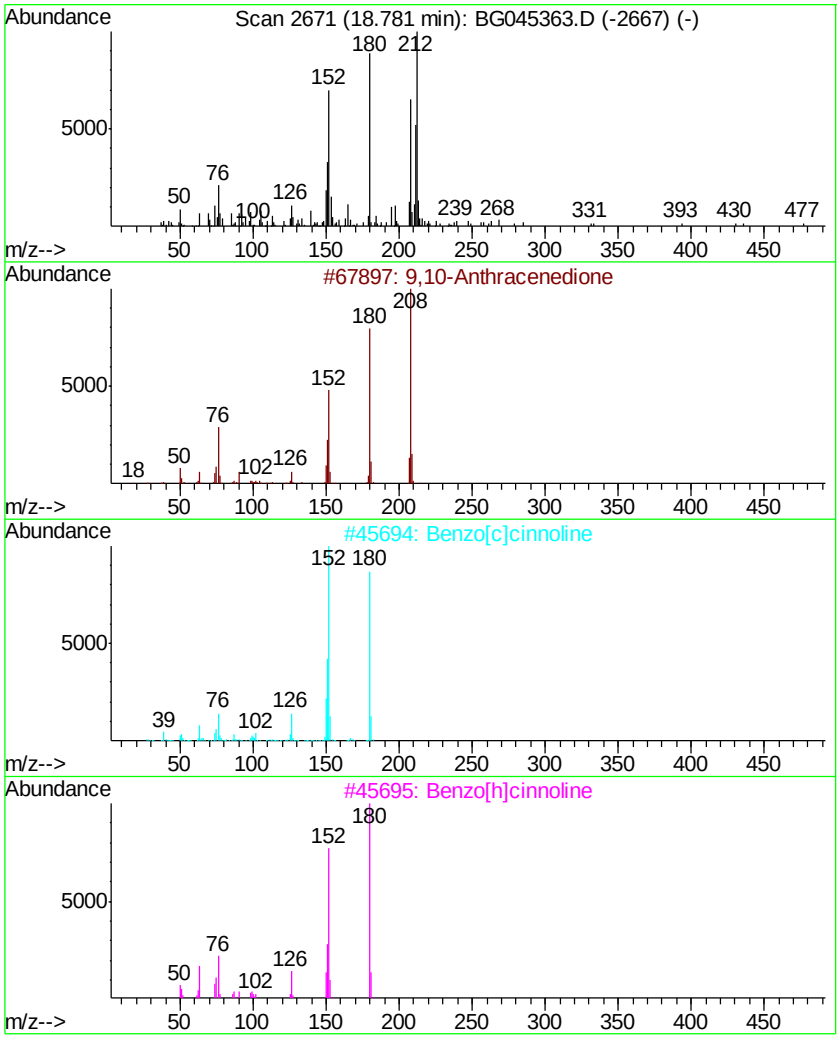
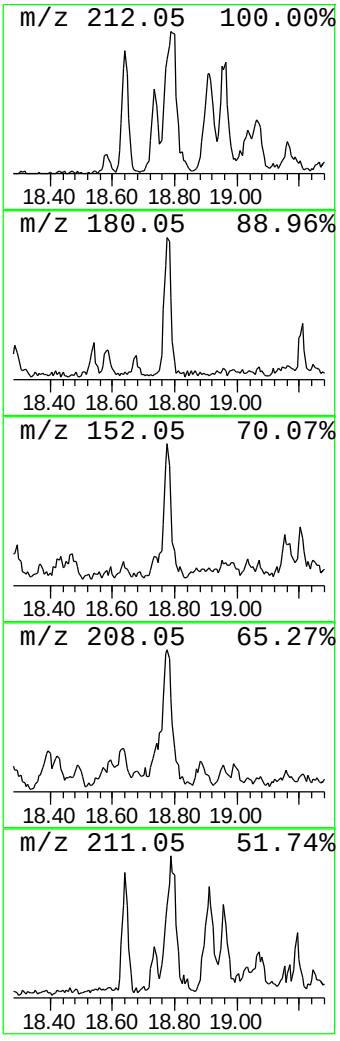
Peak Number 14 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	4.18 ng	213684	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	78
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	41
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	38
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	38
5	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	30





Library Search Compound Report

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Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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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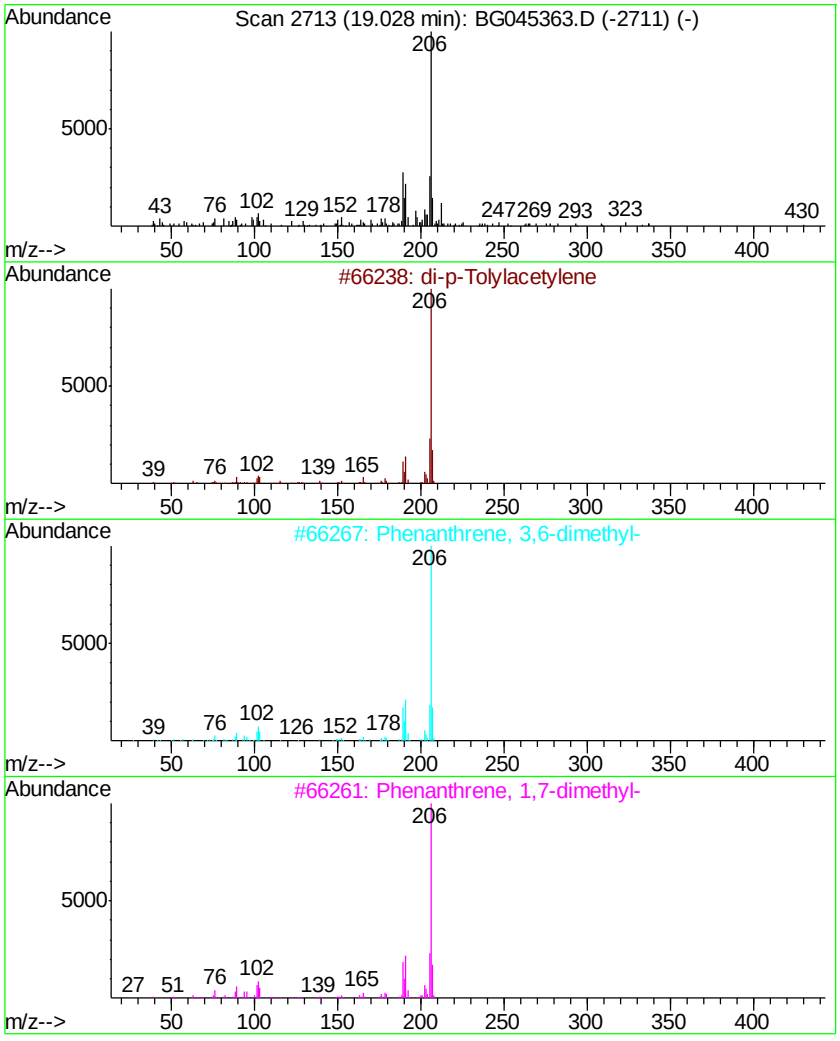
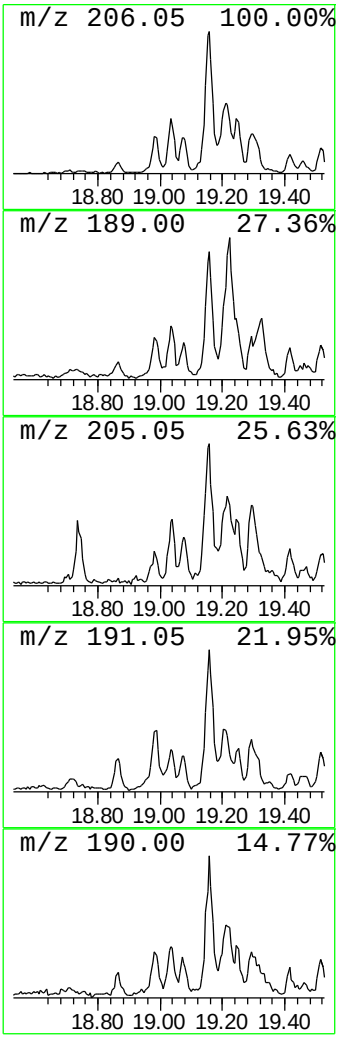
Peak Number 15 di-p-Tolylacetylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	3.34 ng	170756	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	81
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	76





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Instrument : BNA_G
ClientSampleId : PL-01-050820

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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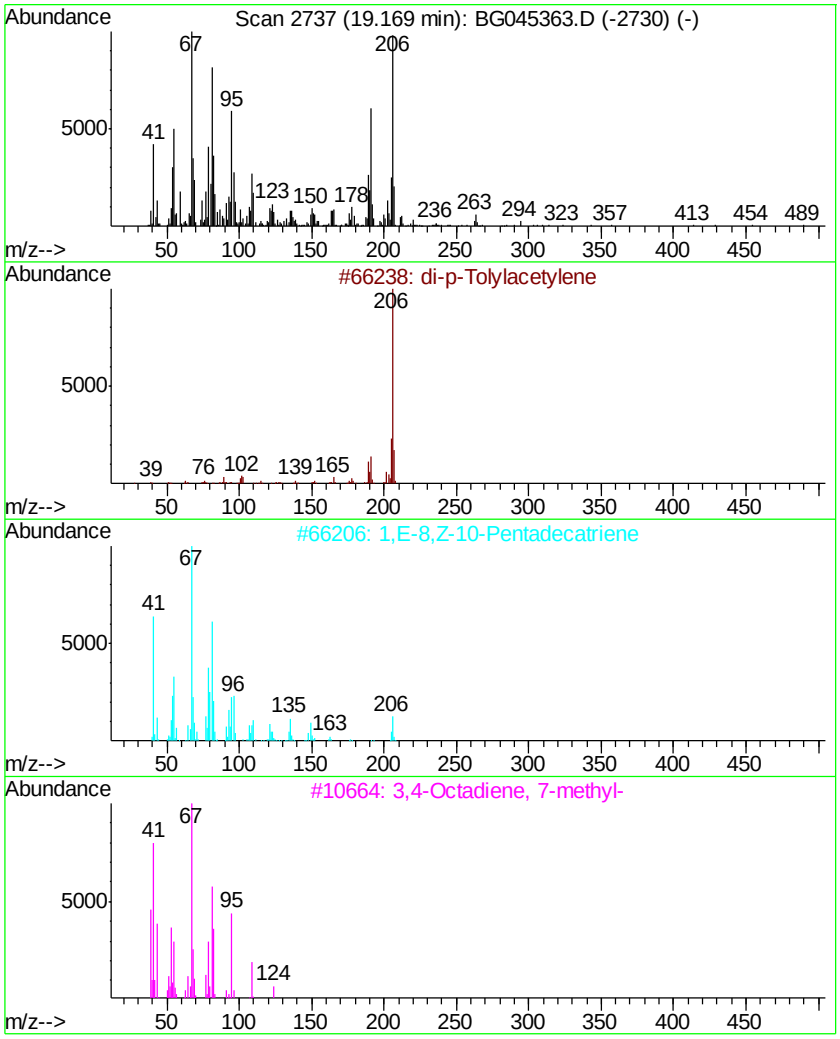
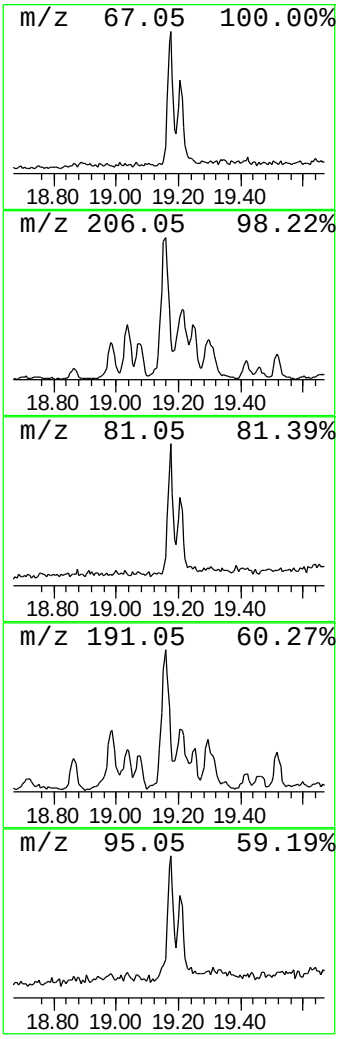
Peak Number 16 1,E-8,Z-10-Pentadecatriene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	18.33 ng	937940	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	56
2	1,E-8,Z-10-Pentadecatriene	206	C15H26	080625-32-7	52
3	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	50
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46





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Misc :
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Instrument : BNA_G
ClientSampleId : PL-01-050820

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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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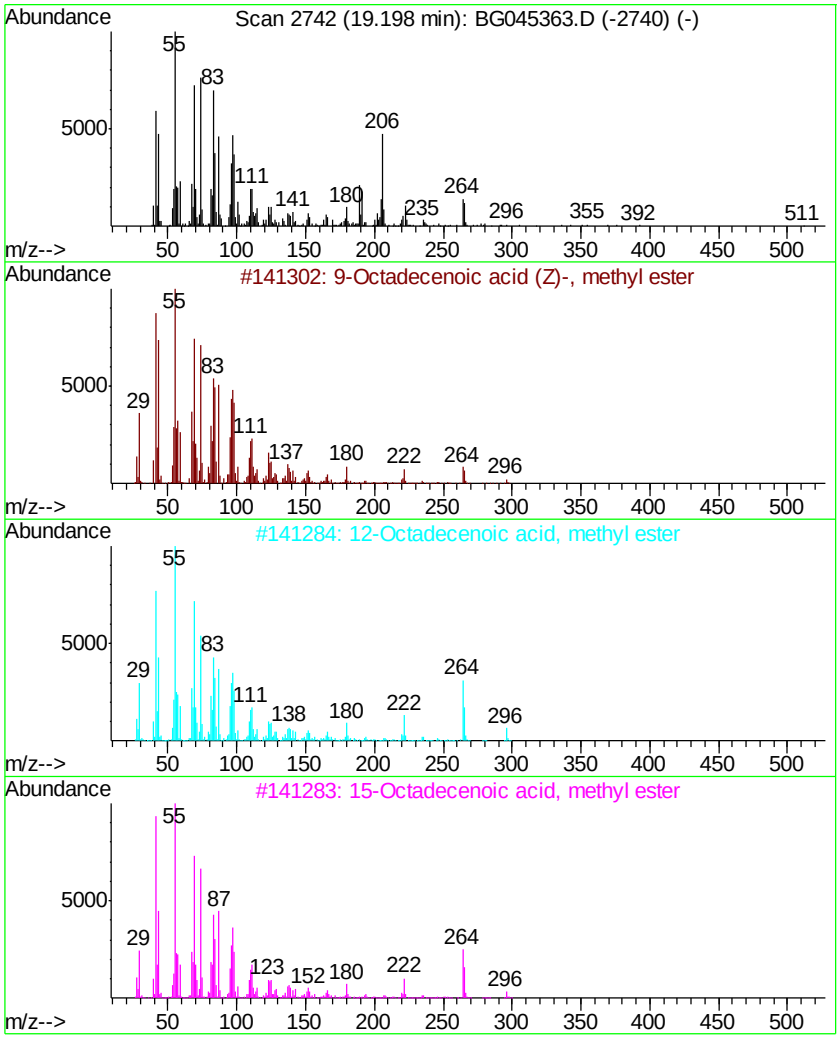
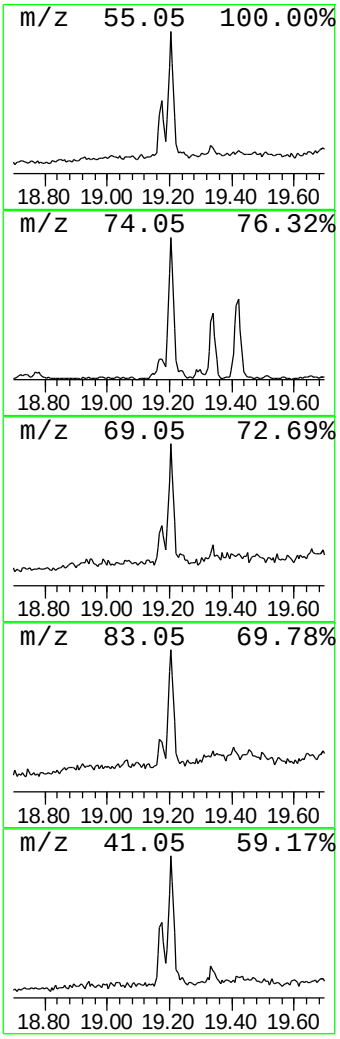
Peak Number 17 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	17.14 ng	876853	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	97
3	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	97
4	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	97
5	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	97





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ALS Vial : 37 Sample Multiplier: 1

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ClientSampleId : PL-01-050820

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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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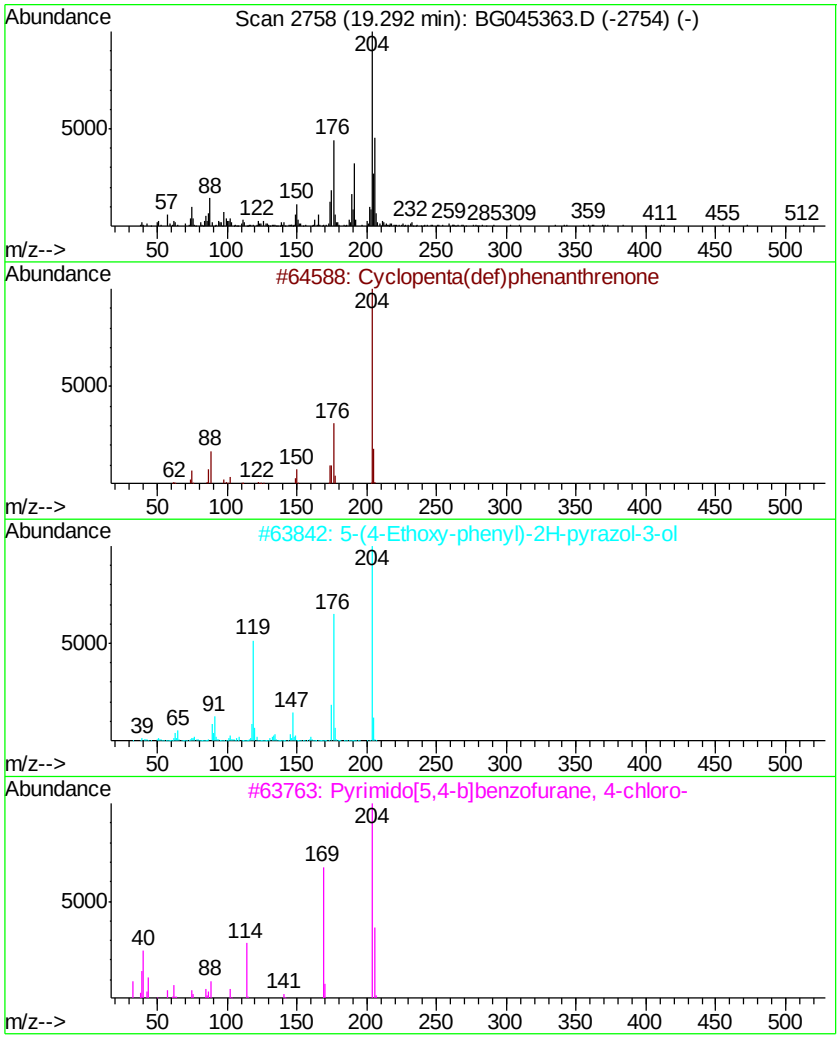
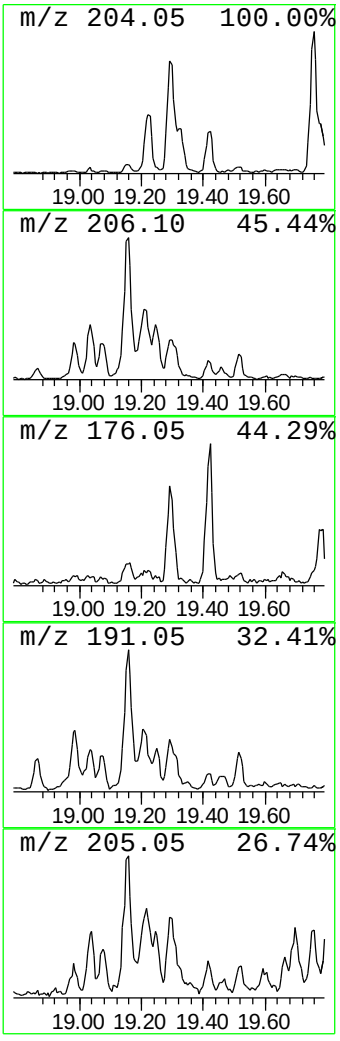
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	7.12 ng	364220	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	43
3	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38





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Acq On : 13 May 2020 15:34
Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

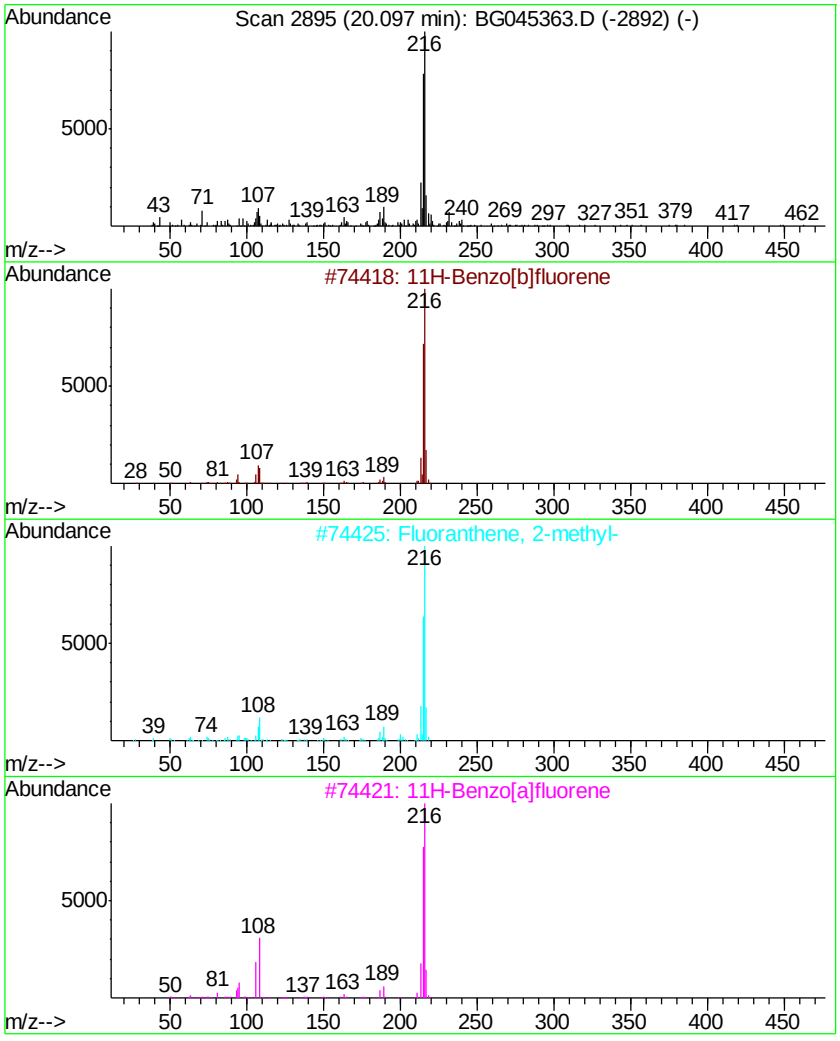
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

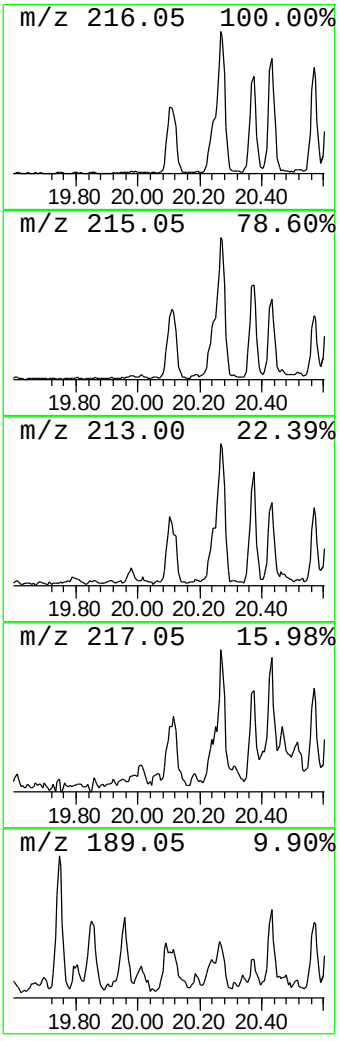
****

Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	3.42 ng	390280	Chrysene-d12	21.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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Data File : BG045363.D
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Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

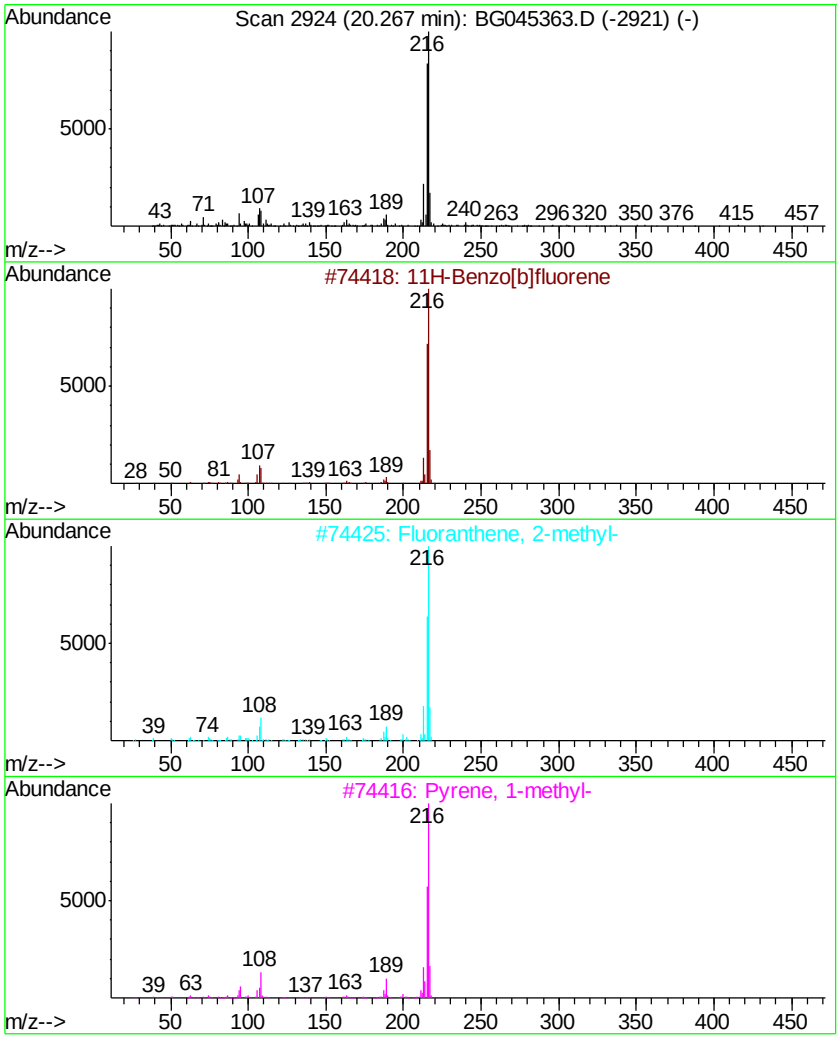
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

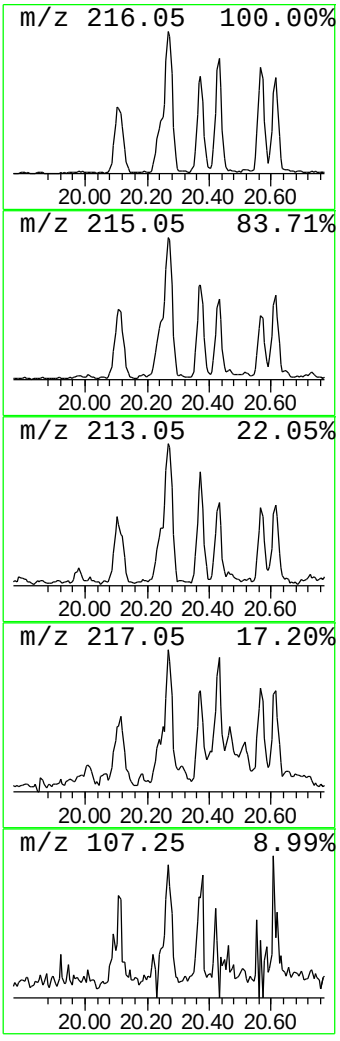
****

Peak Number 20 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	3.83 ng	437820	Chrysene-d12	21.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051220\
Data File : BG045363.D
Acq On : 13 May 2020 15:34
Operator : CG/JU
Sample : L2502-01 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PL-01-050820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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-...	13.93	3.4	ng	160905	3	14.62	955695	20.0
9H-Fluorene, 1-me...	16.67	3.8	ng	194704	4	17.37	1023280	20.0
Dibenzothiophene	17.18	3.4	ng	173618	4	17.37	1023280	20.0
Benzene, 1,1'-(1,...	17.29	8.6	ng	440480	4	17.37	1023280	20.0
Benzene, 1,1'-(3,...	17.55	6.6	ng	335700	4	17.37	1023280	20.0
Pentadecanoic aci...	18.04	3.8	ng	195369	4	17.37	1023280	20.0
Phenanthrene, 2-m...	18.24	8.8	ng	449636	4	17.37	1023280	20.0
Phenanthrene, 1-m...	18.29	11.2	ng	574411	4	17.37	1023280	20.0
Anthracene, 1-met...	18.37	5.8	ng	295392	4	17.37	1023280	20.0
4H-Cyclopenta[def...	18.43	16.9	ng	866071	4	17.37	1023280	20.0
1a,9b-Dihydro-1H-...	18.47	6.6	ng	339031	4	17.37	1023280	20.0
Naphthalene, 2-ph...	18.73	4.1	ng	209284	4	17.37	1023280	20.0
9,10-Anthracenedione	18.78	4.2	ng	213684	4	17.37	1023280	20.0
di-p-Tolylacetylene	19.03	3.3	ng	170756	4	17.37	1023280	20.0
1,E-8,Z-10-Pentad...	19.17	18.3	ng	937940	4	17.37	1023280	20.0
9-Octadecenoic ac...	19.20	17.1	ng	876853	4	17.37	1023280	20.0
Cyclopenta(def)ph...	19.29	7.1	ng	364220	4	17.37	1023280	20.0
Fluoranthene, 2-m...	20.10	3.4	ng	390280	5	21.62	2285120	20.0
Pyrene, 1-methyl-	20.27	3.8	ng	437820	5	21.62	2285120	20.0