LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.478	106	109	114	rVB3	24103	36968	0.84%	0.060%
2	4.007	196	199	203	rBV4	9832	15068	0.34%	0.025%
3	4.524	285	287	292	rVB5	6393	6844	0.16%	0.011%
4	5.041	371	375	379	rVB6	4408	6011	0.14%	0.010%
5	5.182	393	399	402	rBV3	21717	35548	0.81%	0.058%
6	6.715	656	660	661	rBV4	5196	7711	0.18%	0.013%
7	7.267	744	754	767	rBV	527351	973331	22.20%	1.591%
8	7.426	775	781	792	rVB	411010	682949	15.58%	1.116%
9	7.514	792	796	801	rBV8	5256	9168	0.21%	0.015%
10	7.643	808	818	826	rBV	493455	900435	20.54%	1.472%
11	8.113	891	898	907	rBV	402913	696524	15.89%	1.138%
12	8.419	946	950	952	rBV4	4960	8501	0.19%	0.014%
13	8.483	958	961	966	rVB7	5574	9501	0.22%	0.016%
14	8.642	983	988	990	rBV4	3903	6496	0.15%	0.011%
15	8.830	1012	1020	1028	rBV2	647142	1164872	26.57%	1.904%
16	9.200	1080	1083	1084	rBV3	5333	6248	0.14%	0.010%
17	9.294	1090	1099	1107	rBV	517161	945549	21.57%	1.545%
18	9.400	1113	1117	1126	rBV4	39771	74357	1.70%	0.122%
19	10.022	1212	1223	1233	rBV	500255	891641	20.34%	1.457%
20	10.574	1308	1317	1326	rBV	736838	1366305	31.16%	2.233%
21	10.950	1373	1381	1387	rBV	601925	1121168	25.57%	1.833%
22	11.003	1387	1390	1395	rVV3	25311	41208	0.94%	0.067%
23	11.091	1398	1405	1421	rVV	568004	1131499	25.81%	1.849%
24	11.332	1442	1446	1450	rBV6	4625	6950	0.16%	0.011%
25	11.555	1482	1484	1489	rBV4	5088	7294	0.17%	0.012%
26	11.749	1512	1517	1519	rBV3	8480	13108	0.30%	0.021%
27	12.431	1628	1633	1635	rBV5	8577	10463	0.24%	0.017%
28	12.478	1637	1641	1643	rVB5	6183	7948	0.18%	0.013%
29	12.536	1646	1651	1658	rBV5	18524	33433	0.76%	0.055%
30	12.613	1658	1664	1669	rVB	22994	42254	0.96%	0.069%
31	12.660	1669	1672	1676	rBV5	5665	8358	0.19%	0.014%
32	12.754	1685	1688	1691	rVB5	5532	7802	0.18%	0.013%
33	12.830	1696	1701	1707	rBV2	29726	46629	1.06%	0.076%
34	12.930	1714	1718	1721	rBV5	4934	6591	0.15%	0.011%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

35	13.130	1748	1752	1754	rBV4	7358	10703	0.24%	0.017%
36	13.277	1775	1777	1781	rBV5	6285	9521	0.22%	0.016%
37	13.365	1790	1792	1799	rVB3	10615	17859	0.41%	0.029%
38	13.658	1837	1842	1846	rVB	38979	61230	1.40%	0.100%
39	13.817	1864	1869	1871	rBV5	6482	9370	0.21%	0.015%
40	13.958	1885	1893	1900	rBV7	23562	56724	1.29%	0.093%
41	14.105	1912	1918	1922	rBV2	41855	74492	1.70%	0.122%
42	14.181	1922	1931	1935	rVV	1575819	2273095	51.84%	3.715%
43	14.228	1935	1939	1946	rVB	1032408	1498033	34.17%	2.449%
44	14.340	1955	1958	1962	rBV4	17793	22953	0.52%	0.038%
45	14.410	1968	1970	1973	rBV4	5514	7551	0.17%	0.012%
46	14.481	1975	1982	1994	rBV	1609264	2700088	61.58%	4.413%
47	14.651	2007	2011	2016	rVB3	21784	28919	0.66%	0.047%
48	14.786	2024	2034	2041	rBV2	1044107	1776728	40.52%	2.904%
49	14.851	2041	2045	2051	rVB2	101318	160898	3.67%	0.263%
50	14.916	2052	2056	2057	rBV3	10151	10638	0.24%	0.017%
51	15.004	2065	2071	2086	rBV	605391	1277560	29.14%	2.088%
52	15.180	2099	2101	2109	rVB2	70742	117482	2.68%	0.192%
53	15.262	2110	2115	2119	rVB3	48062	72242	1.65%	0.118%
54	15.397	2134	2138	2144	rVB4	42679	70732	1.61%	0.116%
55	15.456	2144	2148	2153	rBV3	28862	41433	0.94%	0.068%
56	15.568	2162	2167	2170	rBV4	33759	71705	1.64%	0.117%
57	15.609	2170	2174	2179	rVB2	86180	118851	2.71%	0.194%
58	15.662	2179	2183	2188	rBV5	27415	50194	1.14%	0.082%
59	15.785	2194	2204	2210	rBV	2258215	3415284	77.89%	5.582%
60	15.838	2210	2213	2219	rVB	111351	164324	3.75%	0.269%
61	15.914	2220	2226	2232	rBV	737872	1101029	25.11%	1.800%
62	16.284	2285	2289	2296	rVB4	34124	62451	1.42%	0.102%
63	16.478	2317	2322	2324	rBV	112446	164606	3.75%	0.269%
64	16.825	2377	2381	2382	rBV3	47810	52883	1.21%	0.086%
65	17.207	2442	2446	2453	rVB2	77778	135127	3.08%	0.221%
66	17.271	2454	2457	2463	rBV2	98575	139529	3.18%	0.228%
67	17.371	2470	2474	2479	rVB2	94219	146905	3.35%	0.240%
68	17.424	2479	2483	2487	rBV	122798	172438	3.93%	0.282%
69	17.489	2490	2494	2498	rBV5	58210	81474	1.86%	0.133%
70	17.553	2499	2505	2509	rBV	1406517	2214245	50.50%	3.619%
71	17.594	2509	2512	2517	rVB	1475467	2173621	49.57%	3.553%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

72	17.653	2517	2522	2527	rBV2	2205112	3465739	79.04%	5.665%
73	17.964	2571	2575	2580	rVB	135658	216360	4.93%	0.354%
74	18.141	2601	2605	2613	rVB	146549	241301	5.50%	0.394%
75	18.299	2625	2632	2638	rBV3	86818	242115	5.52%	0.396%
76	18.364	2639	2643	2649	rVV3	173483	274188	6.25%	0.448%
77	18.429	2649	2654	2659	rVV2	886008	1461667	33.34%	2.389%
78	18.481	2659	2663	2670	rVV	555096	876437	19.99%	1.433%
79	18.558	2673	2676	2682	rVV2	84345	151351	3.45%	0.247%
80	18.622	2682	2687	2692	rVV3	487057	1021231	23.29%	1.669%
81	18.663	2692	2694	2699	rVB2	328814	411251	9.38%	0.672%
82	18.928	2735	2739	2743	rBV	233508	344238	7.85%	0.563%
83	18.975	2744	2747	2754	rVB4	259295	417433	9.52%	0.682%
84	19.222	2786	2789	2793	rVB	214791	253197	5.77%	0.414%
85	19.263	2793	2796	2803	rVB3	161370	233304	5.32%	0.381%
86	19.345	2805	2810	2814	rBV	560325	877420	20.01%	1.434%
87	19.492	2830	2835	2840	rBV6	211071	458116	10.45%	0.749%
88	19.609	2850	2855	2861	rVB	2417139	3716961	84.77%	6.075%
89	19.697	2867	2870	2876	rVB4	201290	357407	8.15%	0.584%
90	19.950	2907	2913	2915	rBV2	2856368	4384518	100.00%	7.166%
91	19.979	2916	2918	2924	rVV	2676679	3127238	71.32%	5.111%
92	20.044	2925	2929	2934	rVB	320874	473912	10.81%	0.775%
93	20.767	3049	3052	3056	rBV	356252	431917	9.85%	0.706%
94	20.814	3057	3060	3072	rVB2	323658	583956	13.32%	0.954%
95	21.877	3234	3241	3246	rBV2	1755778	4355669	99.34%	7.119%
96	21.930	3247	3250	3261	rVB	1159110	1912431	43.62%	3.126%

Sum of corrected areas: 61181006

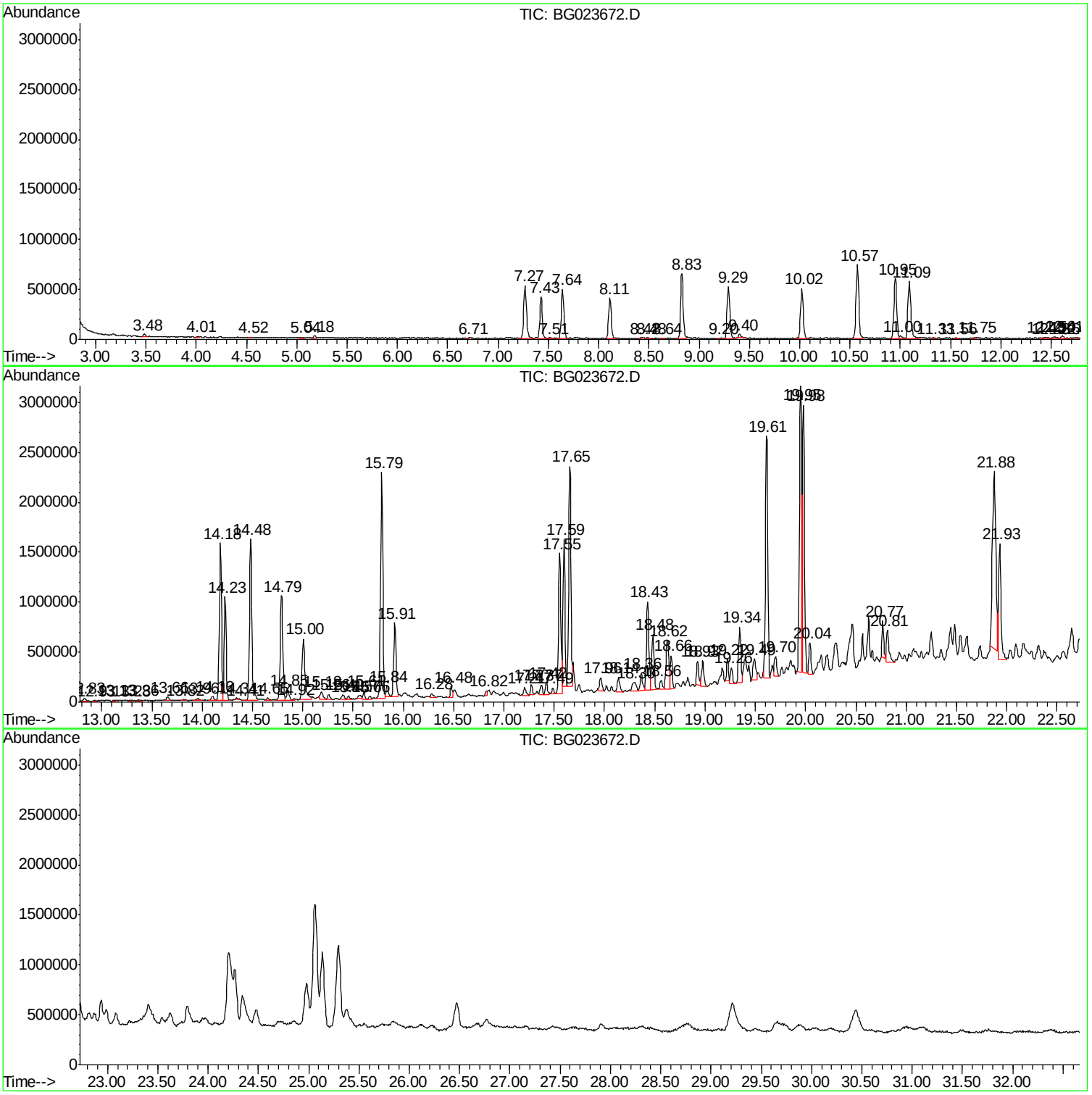
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

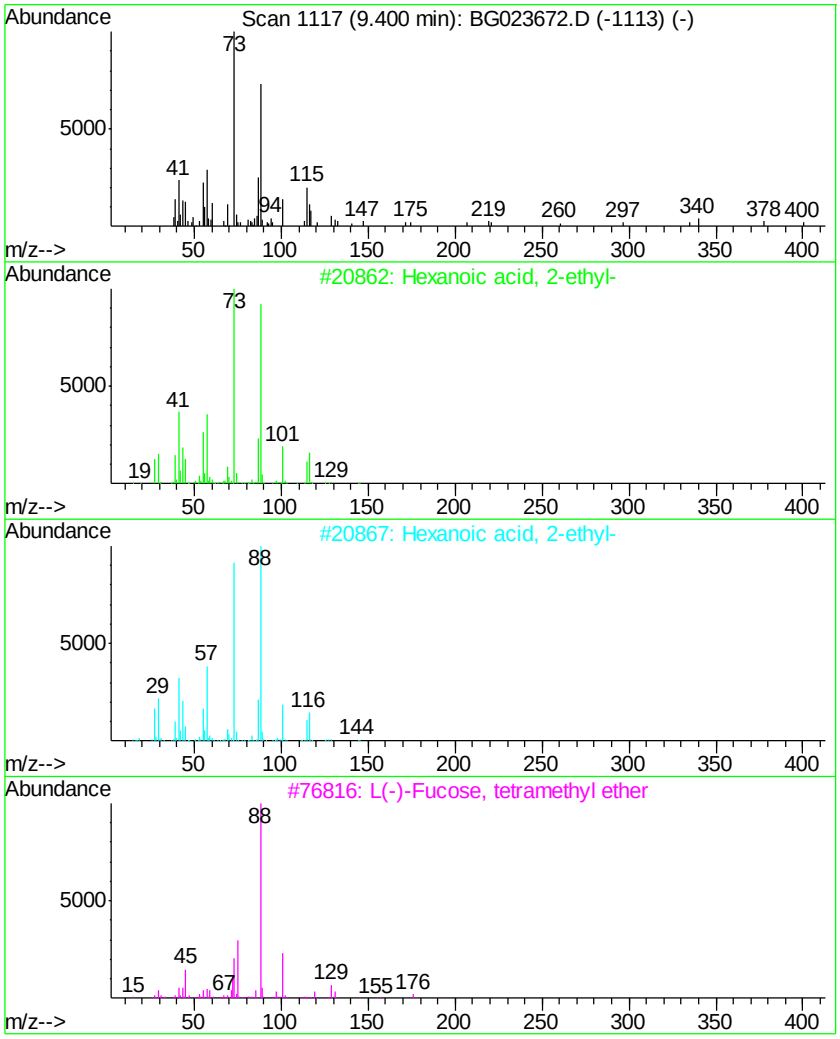
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

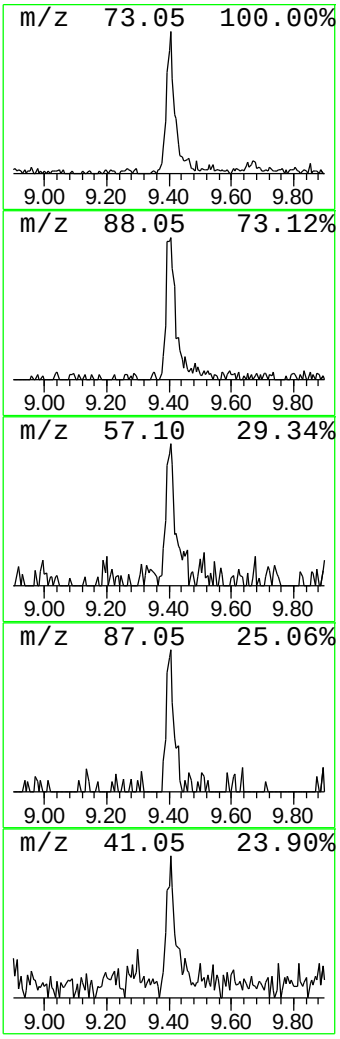
****

Peak Number 1 Hexanoic acid, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	2.14 ng/ul	74357	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	64
2	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	45
3	L(-)-Fucose, tetramethyl ether	220	C10H20O5	1000332-75-0	43
4	6-(Methylthio)hex-5-en-3-ol	146	C7H14OS	053634-85-8	40
5	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	40





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

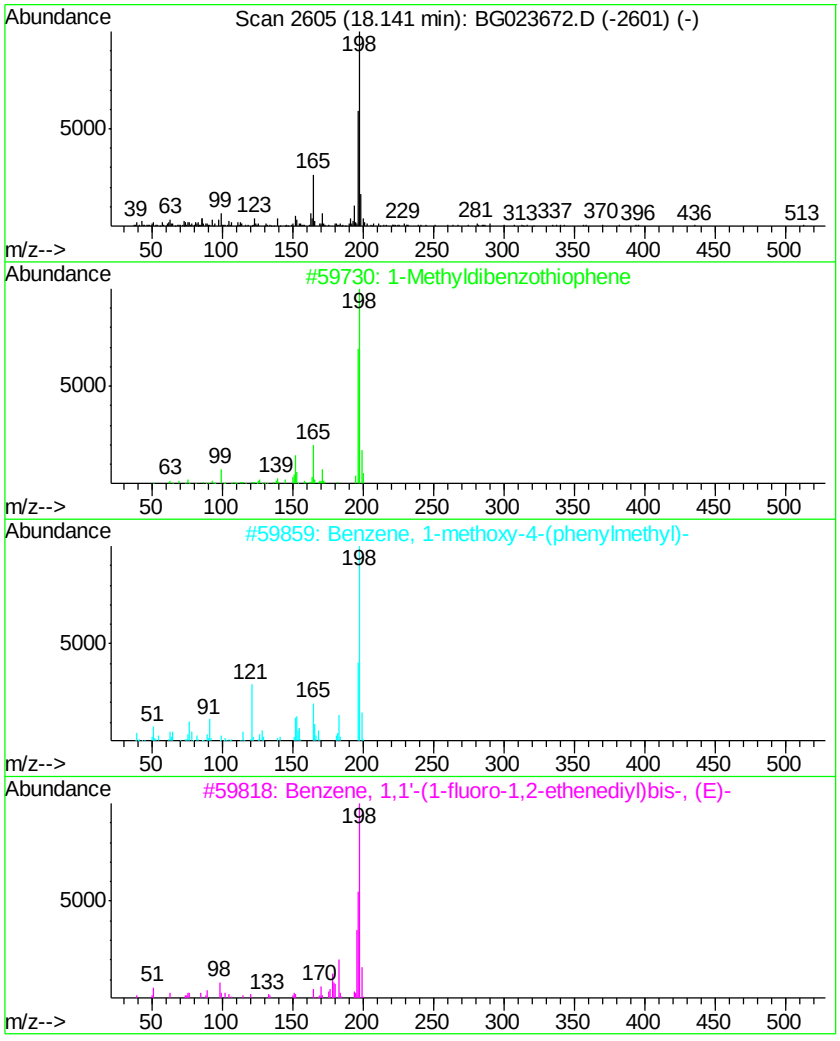
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

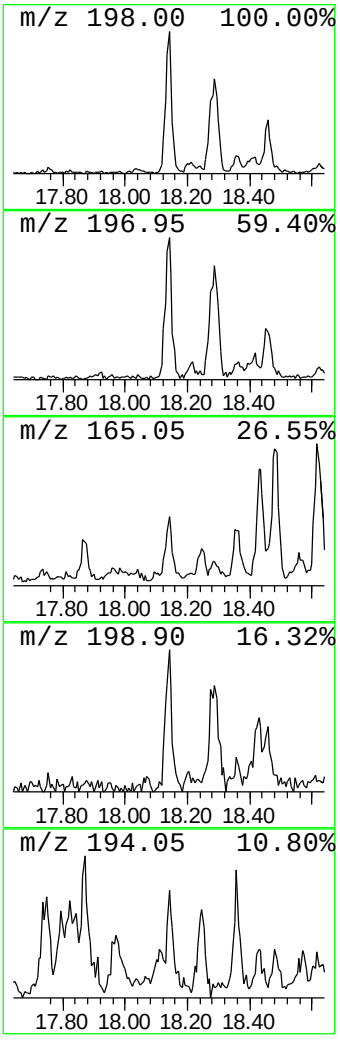
****

Peak Number 2 1-Methyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.18 ng/ul	241301	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
2	Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	72
3	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64
4	Tacrine	198	C13H14N2	000321-64-2	59
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	58





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

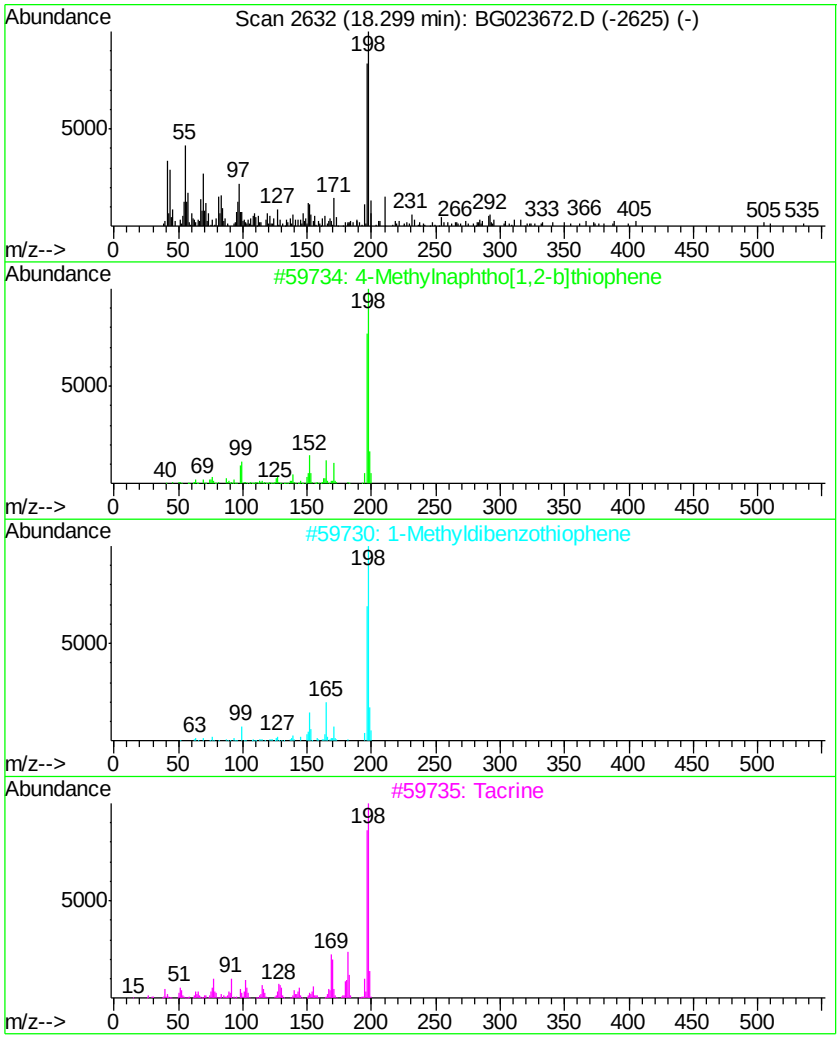
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

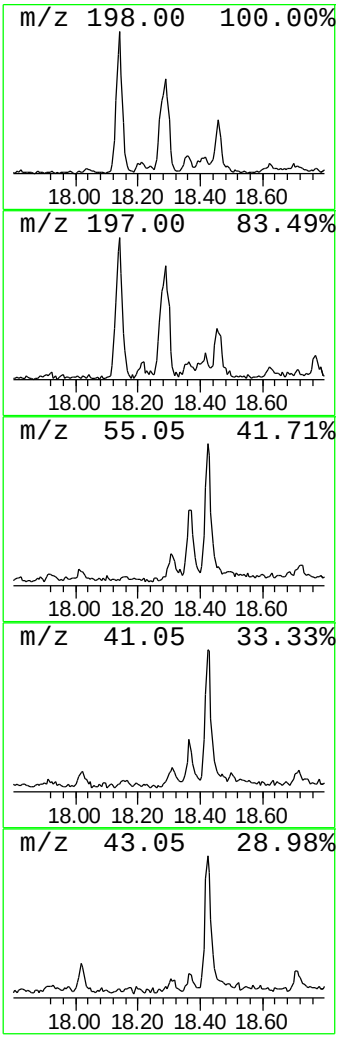
****

Peak Number 3 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	2.19 ng/ul	242115	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	76
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	59
3	Tacrine	198	C13H14N2	000321-64-2	59
4	Thioxanthene	198	C13H10S	000261-31-4	47
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

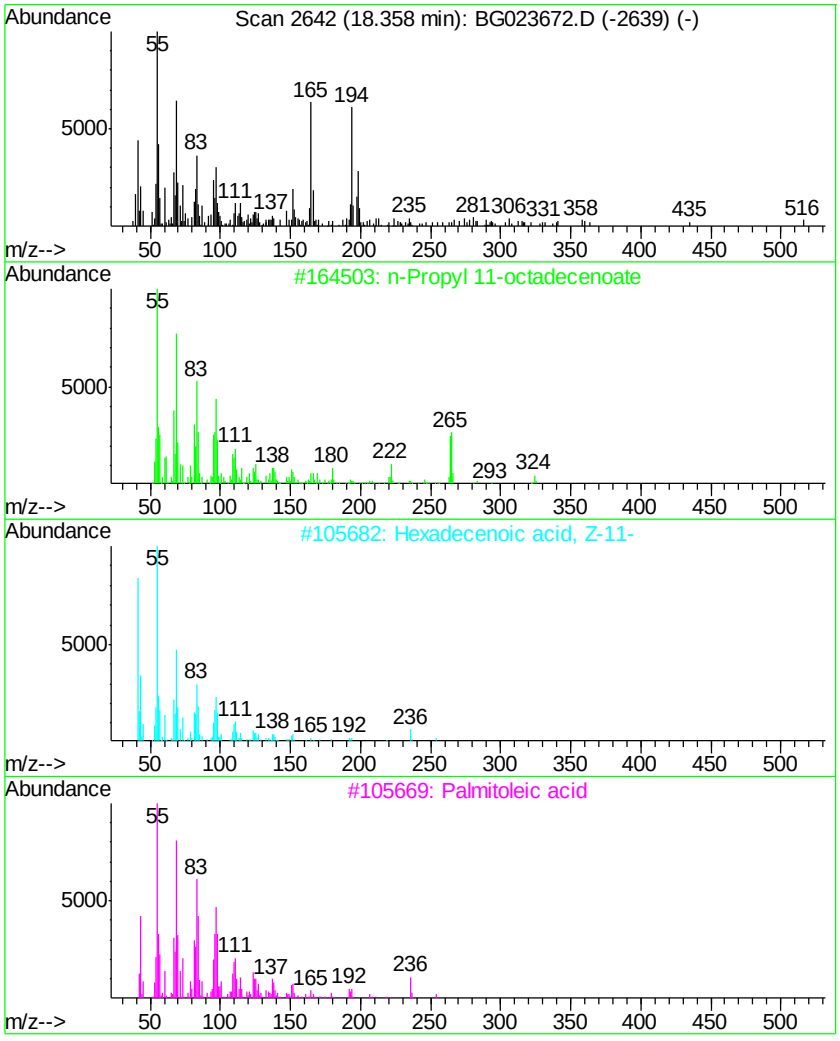
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

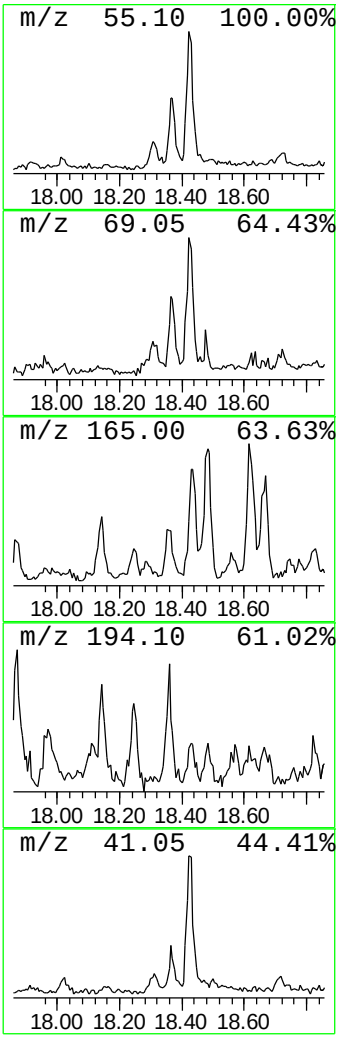
****

Peak Number 4 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	2.48 ng/ul	274188	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl 11-octadecenoate	324	C21H40O2	1000336-71-7	46
2	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	44
3	Palmitoleic acid	254	C16H30O2	000373-49-9	41
4	3-Tetradecene, (Z)-	196	C14H28	041446-67-7	15
5	7-Tetradecene	196	C14H28	010374-74-0	11





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

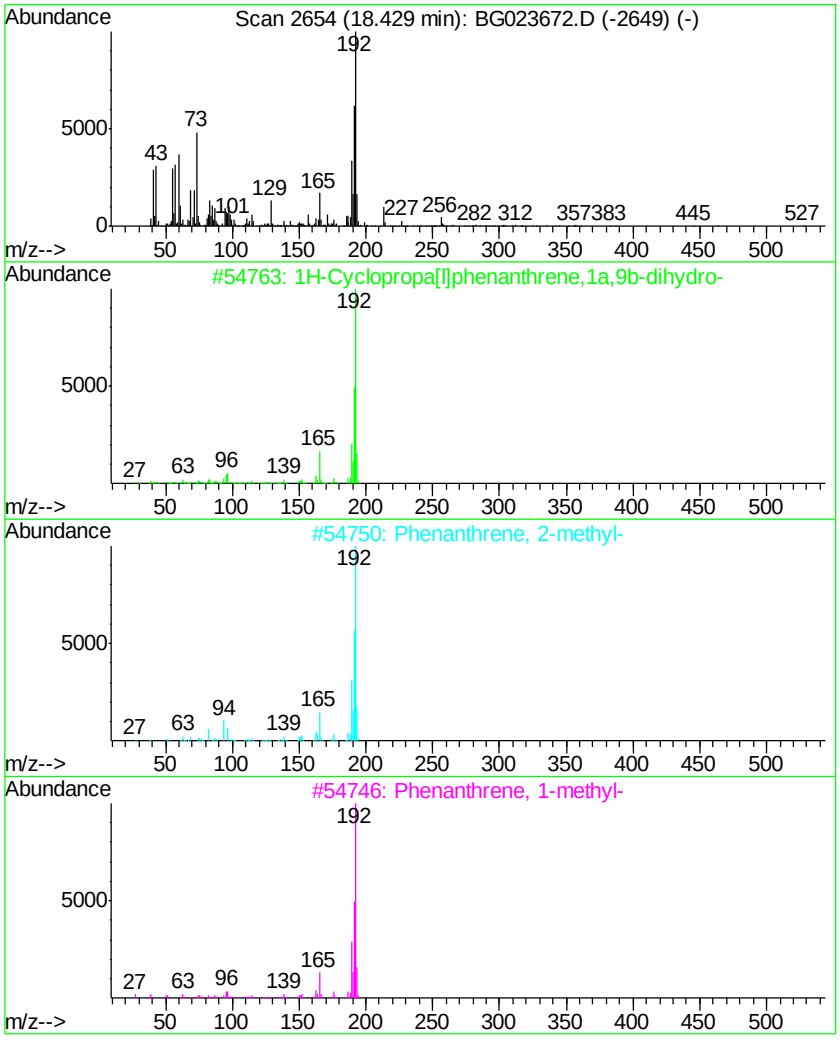
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

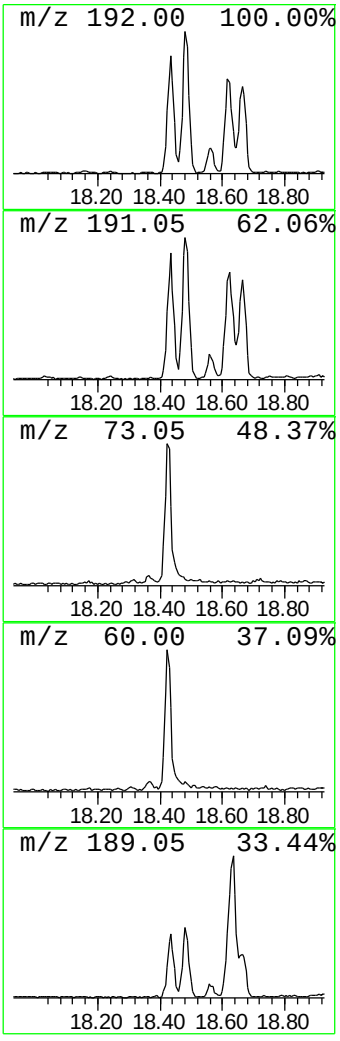
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	13.20 ng/ul	1461670	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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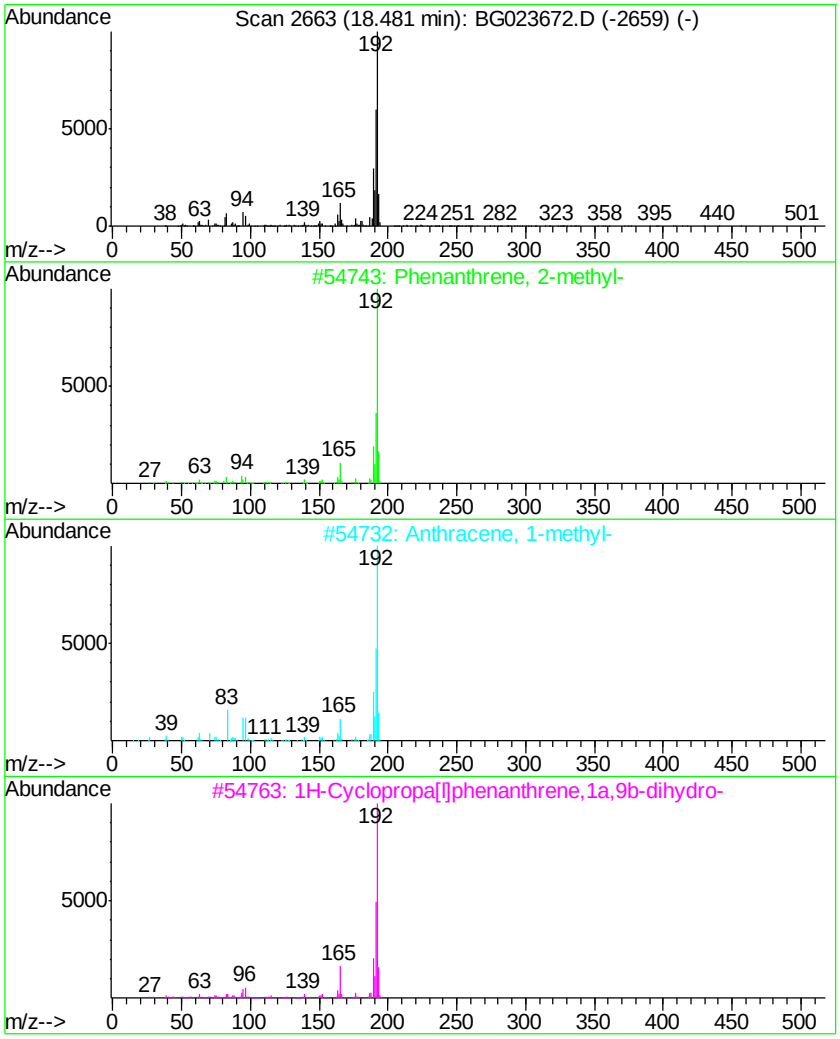
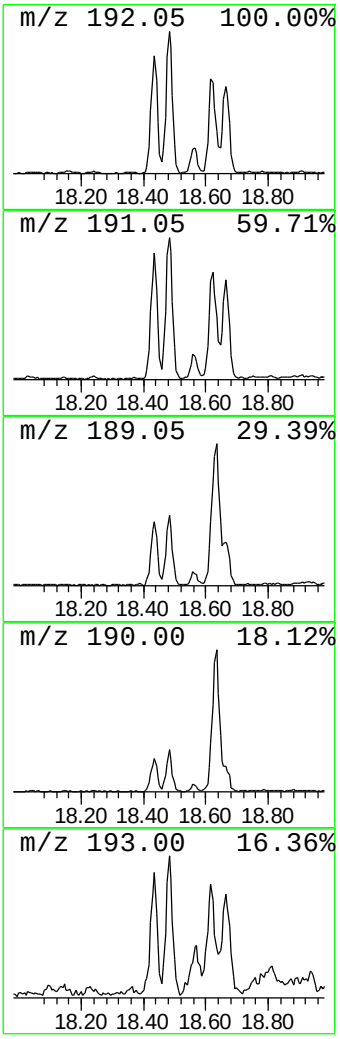
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	7.92 ng/ul	876437	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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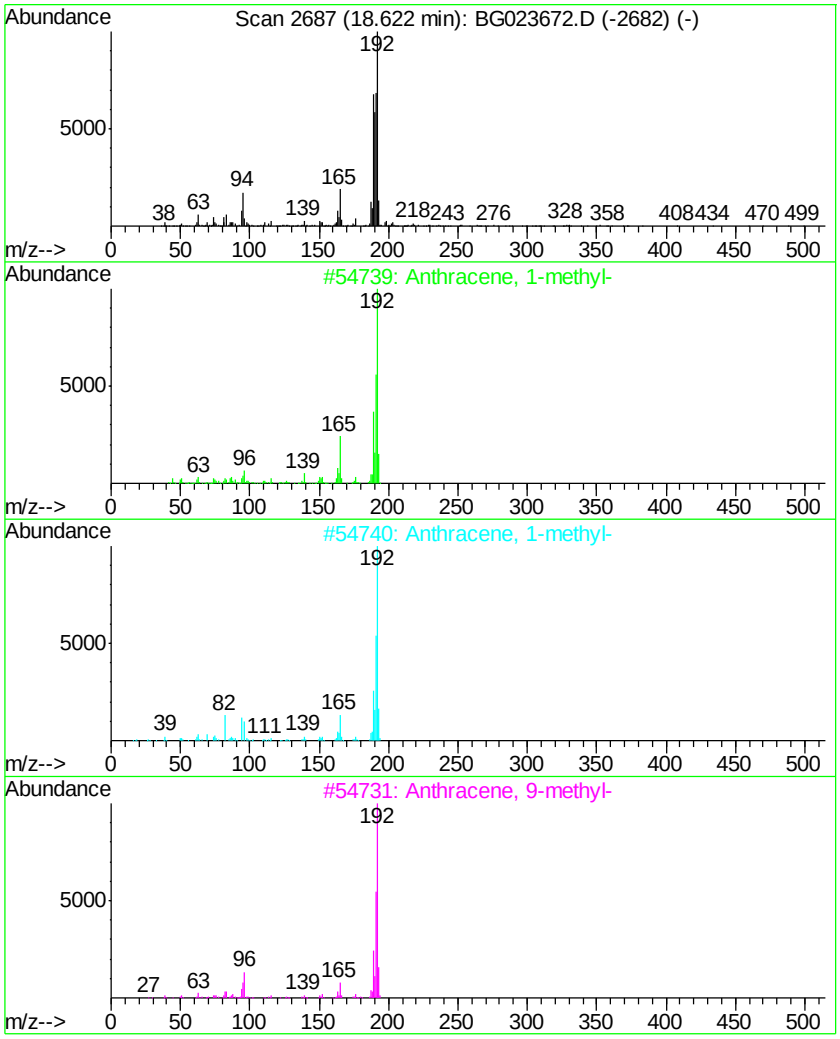
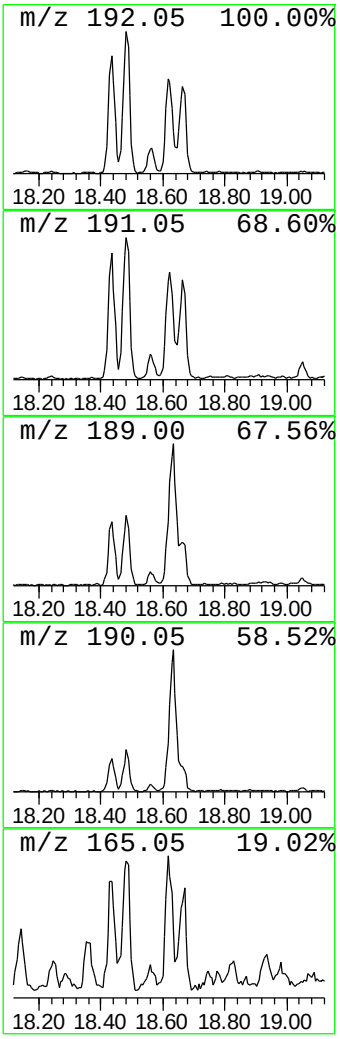
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	9.22 ng/ul	1021230	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	60
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	55





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Sample : H4385-17
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ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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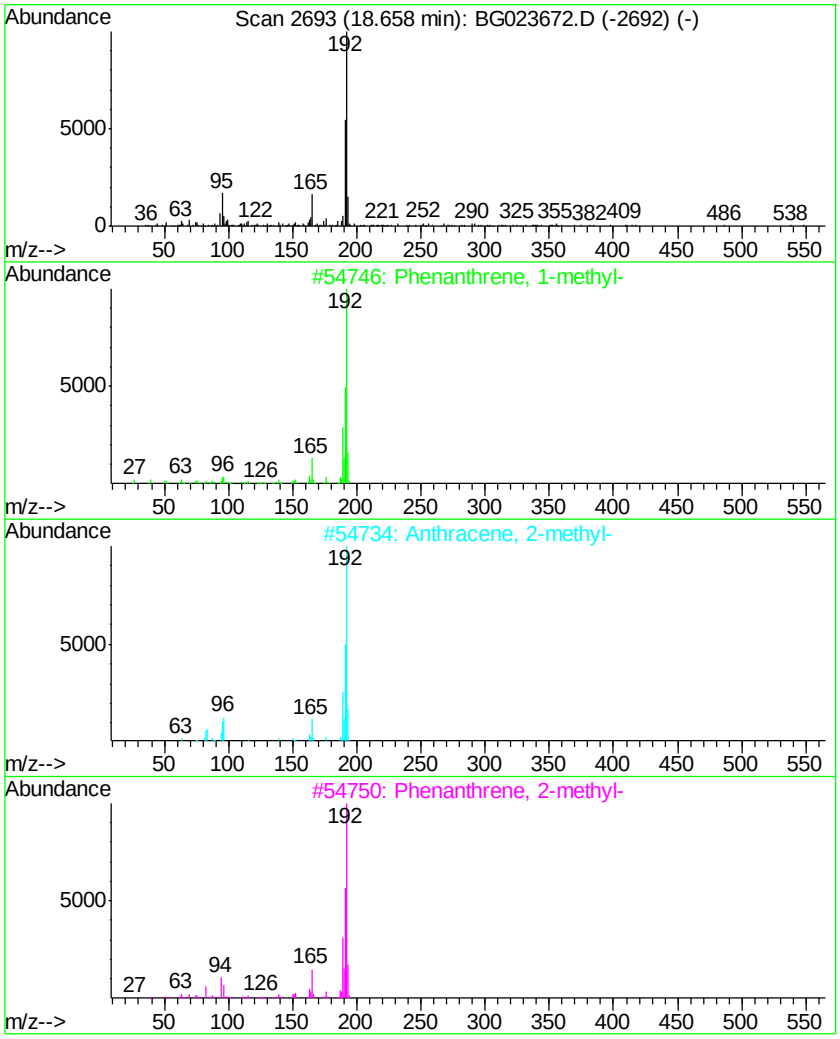
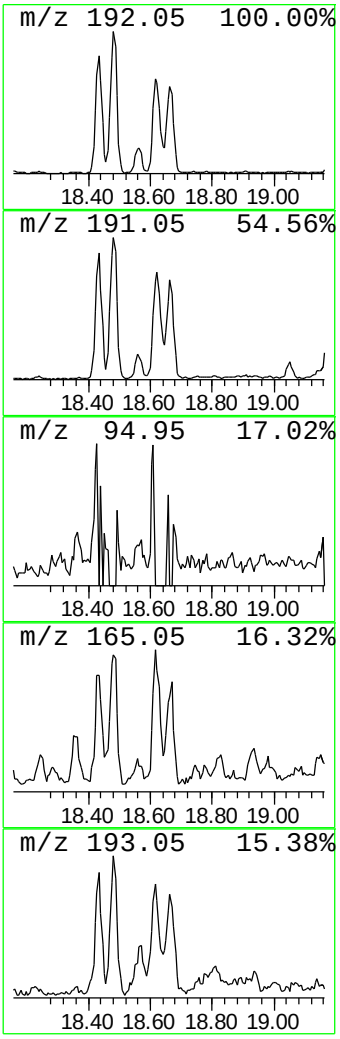
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	3.71 ng/ul	411251	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Sample : H4385-17
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ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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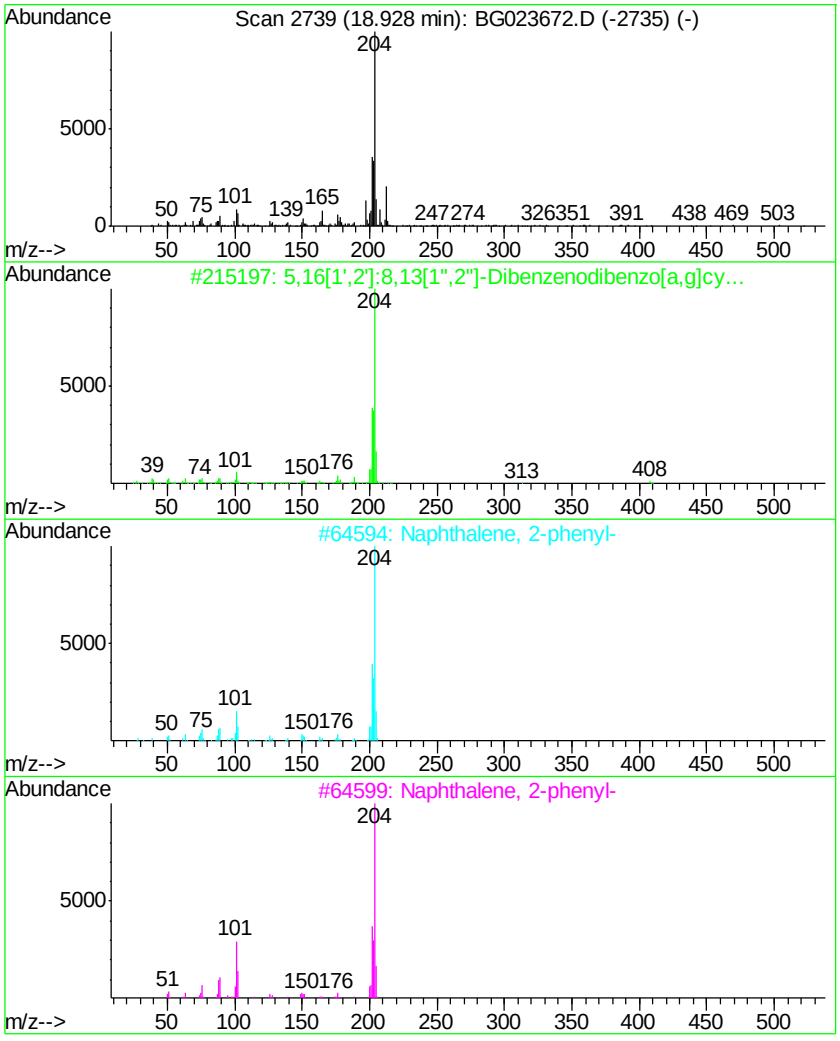
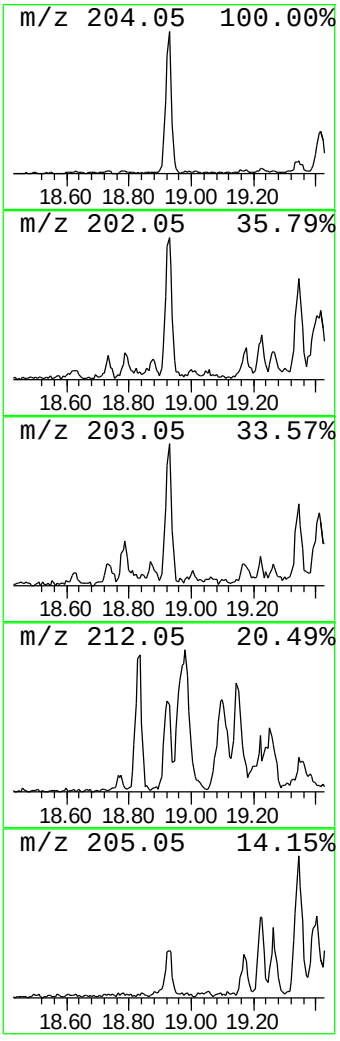
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	3.11 ng/ul	344238	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	49





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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

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Quant Title : SVOA CALIBRATION

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

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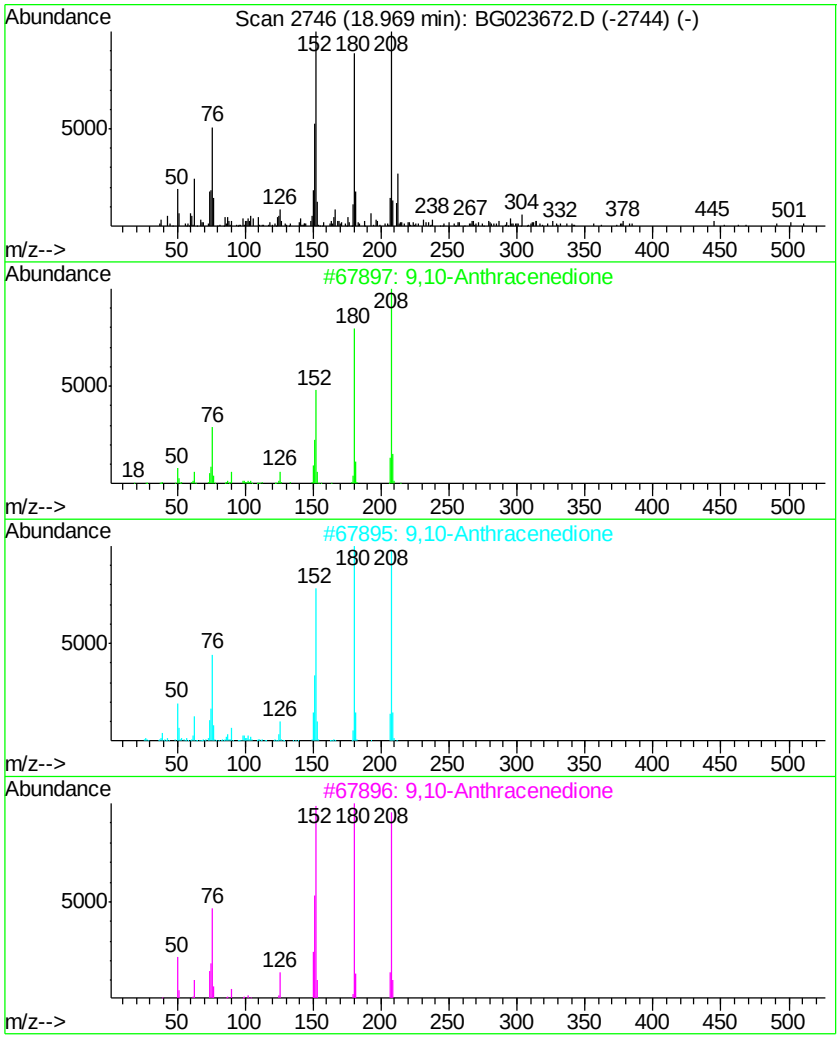
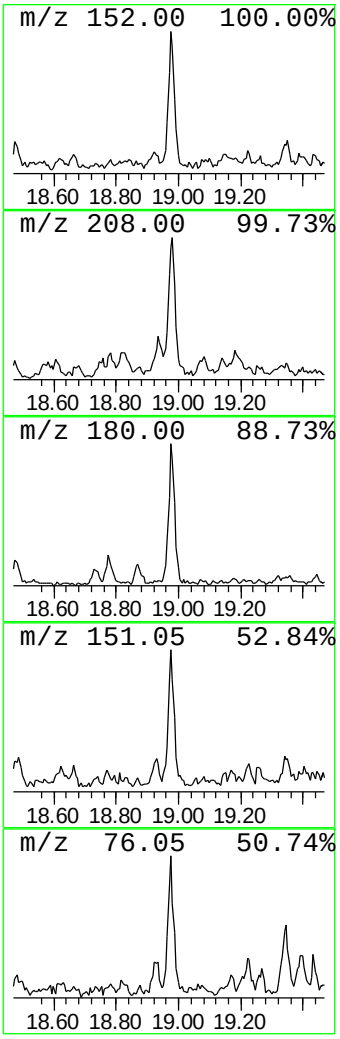
Peak Number 10 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	3.77 ng/ul	417433	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId : P003-SS001-0002-01

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Quant Title : SVOA CALIBRATION

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

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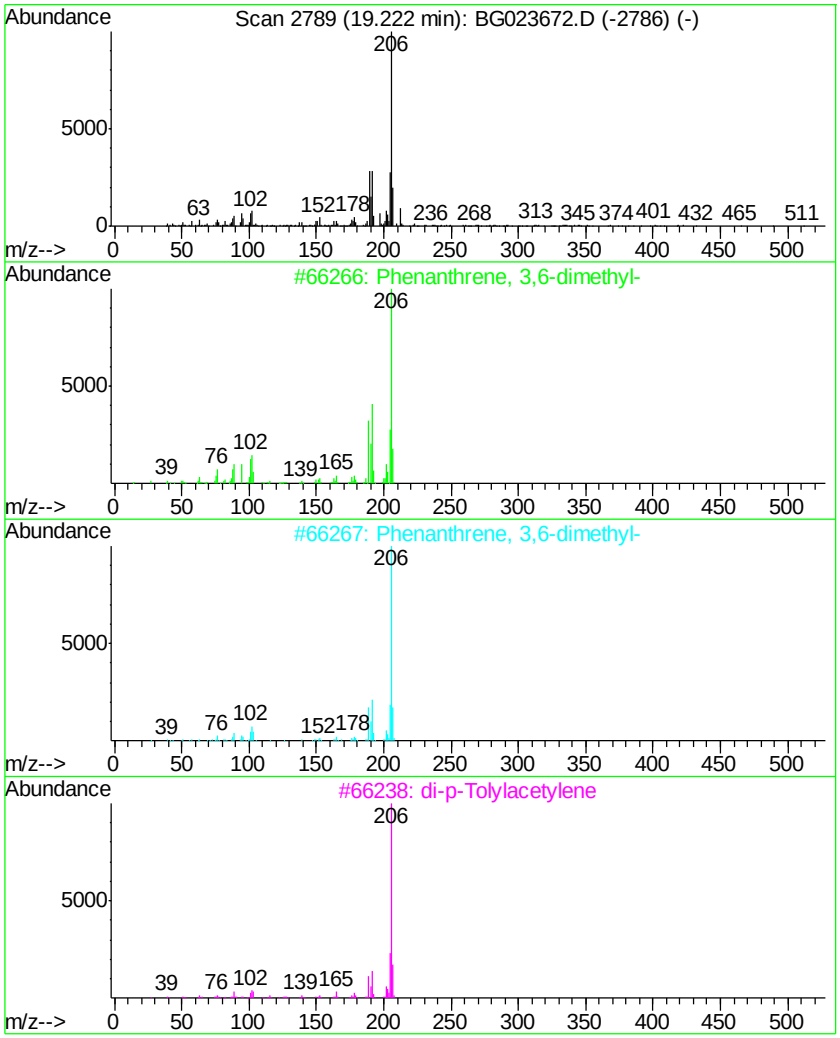
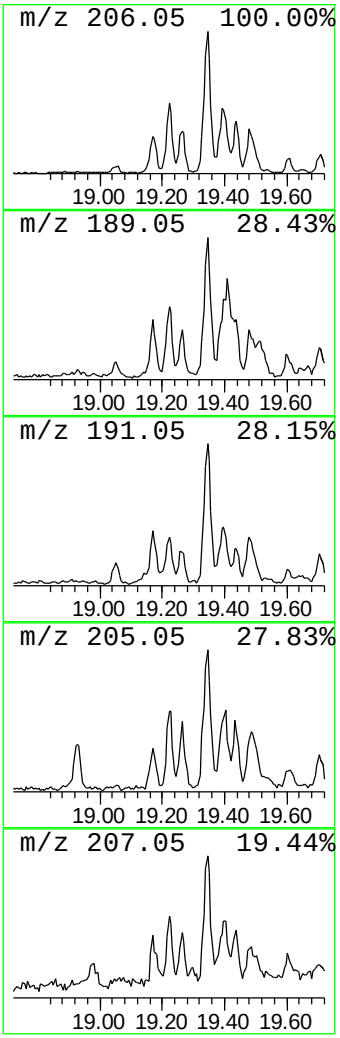
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	2.29 ng/ul	253197	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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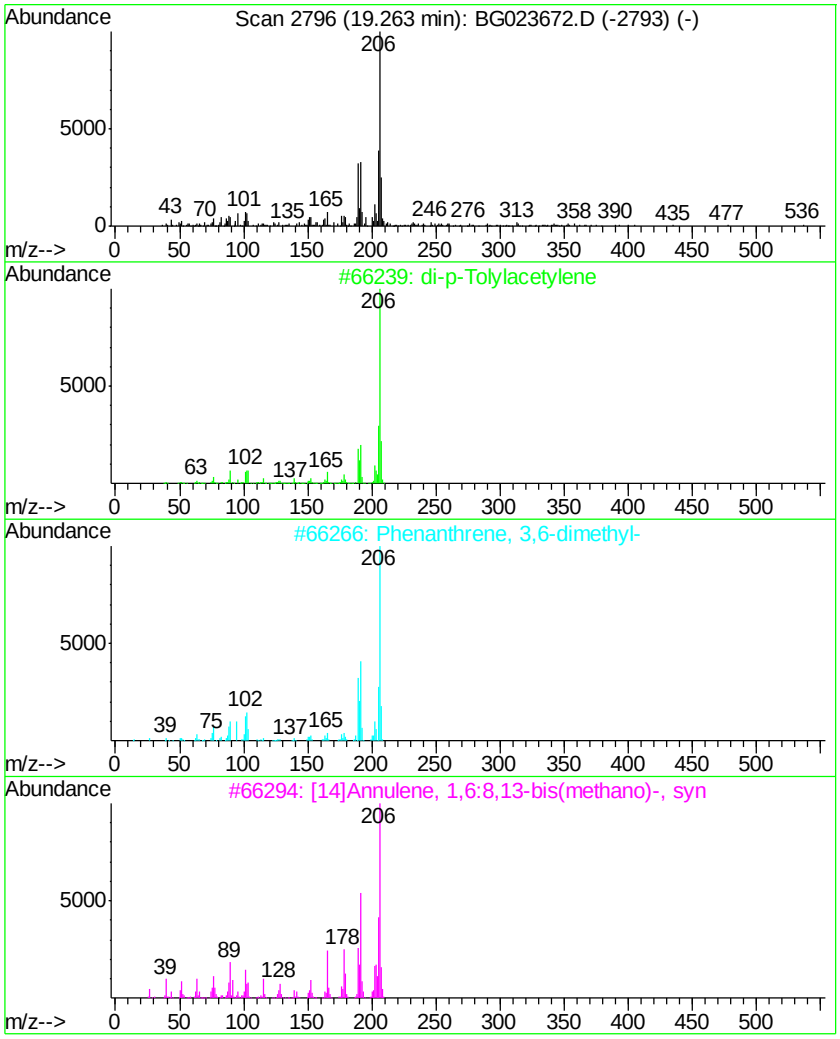
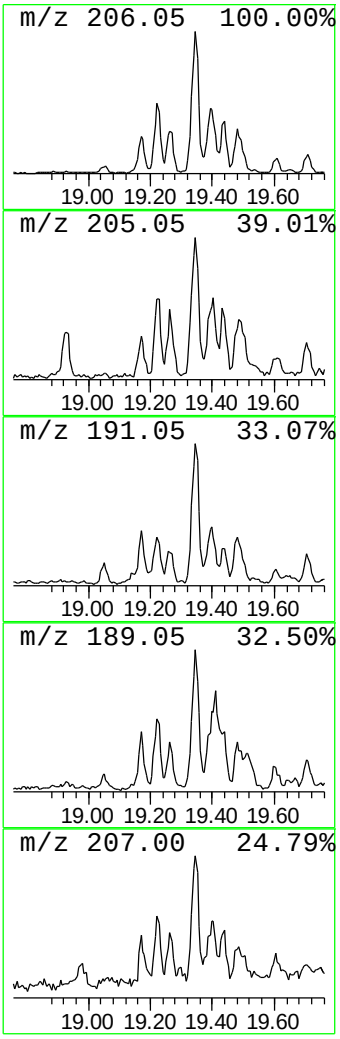
Peak Number 12 di-p-Tolylacetylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	2.11 ng/ul	233304	Phenanthrene-d10	17.55

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	91
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	87
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	83
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

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Quant Title : SVOA CALIBRATION

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

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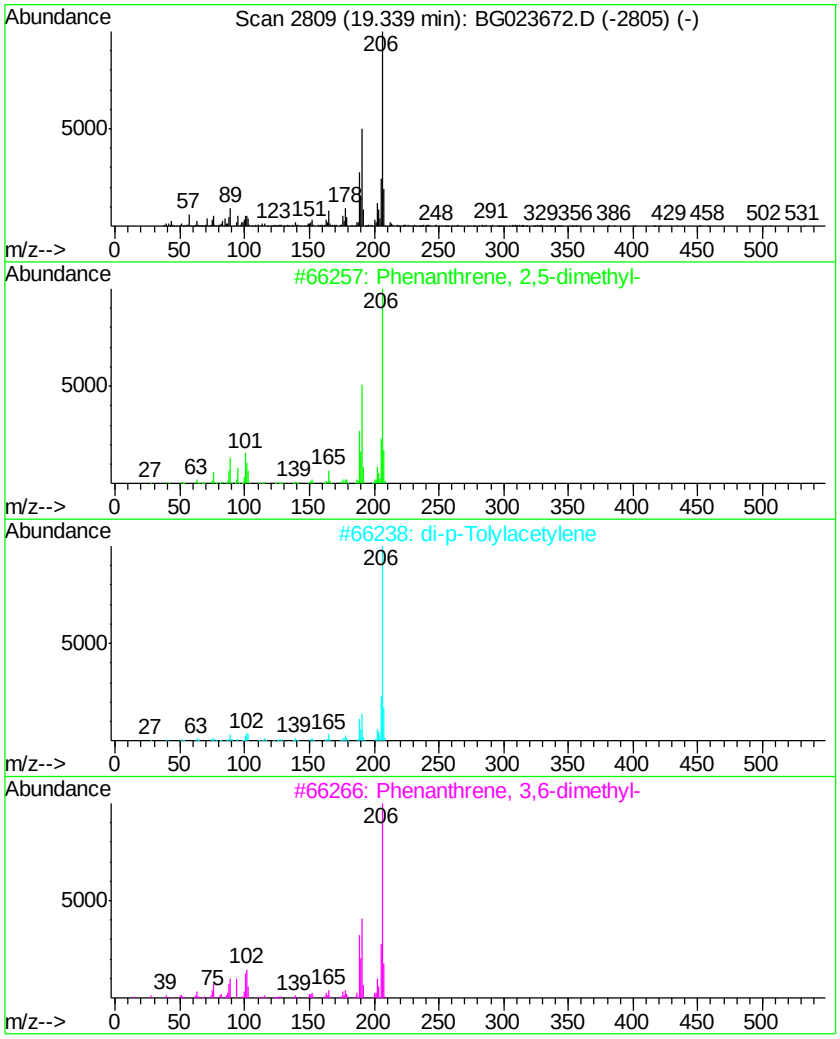
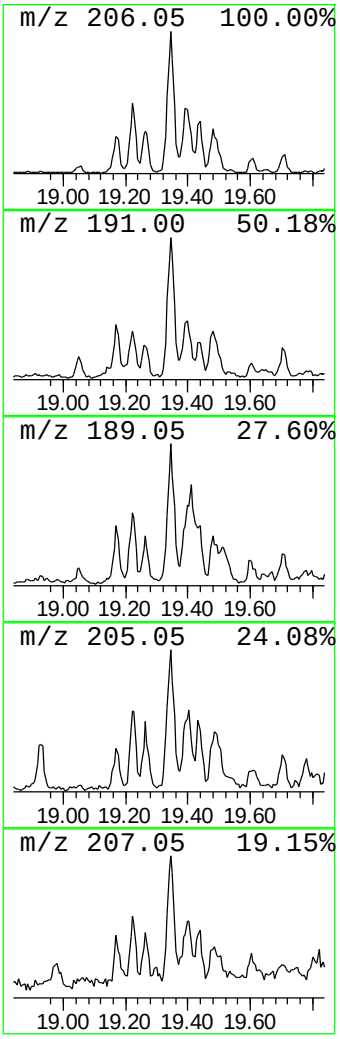
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	7.93 ng/ul	877420	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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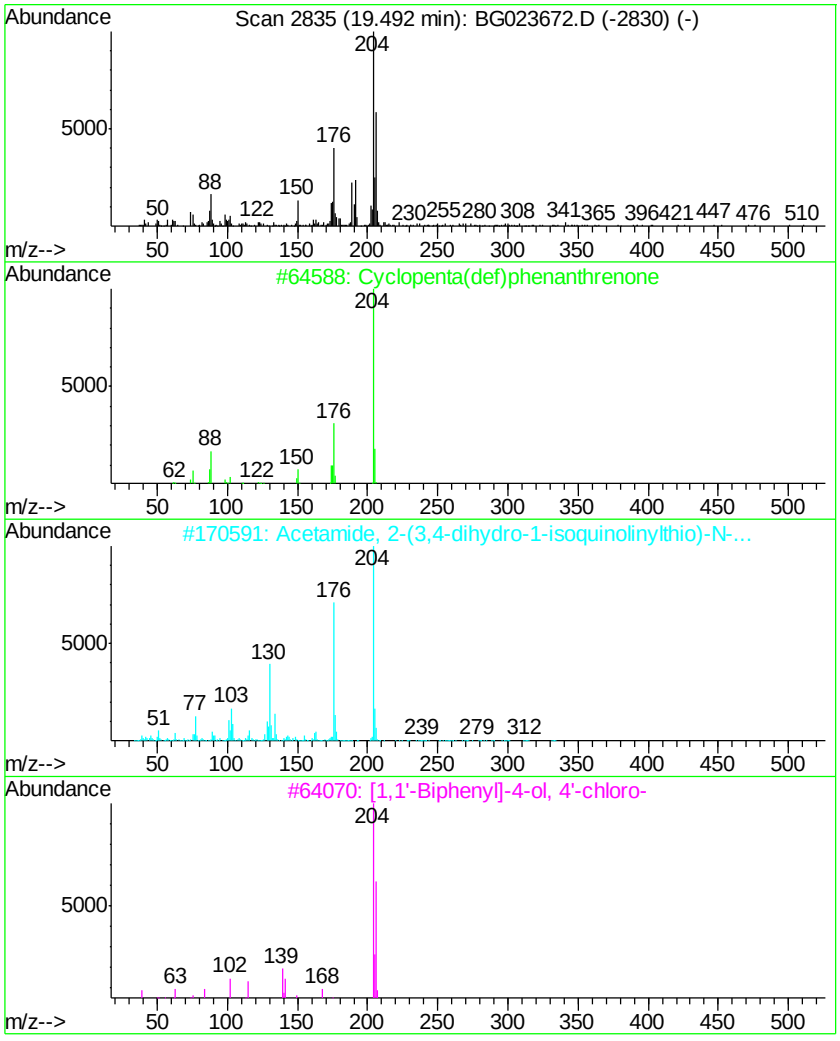
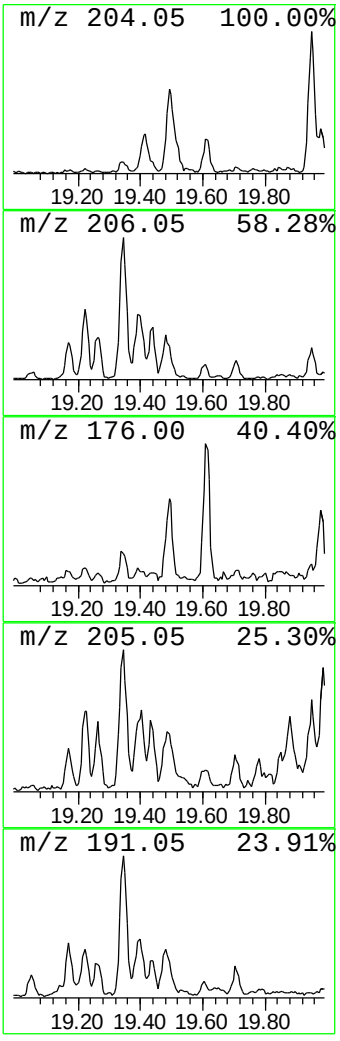
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	4.14 ng/ul	458116	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2	Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	43
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38





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ClientSampleId : P003-SS001-0002-01

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Quant Title : SVOA CALIBRATION

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

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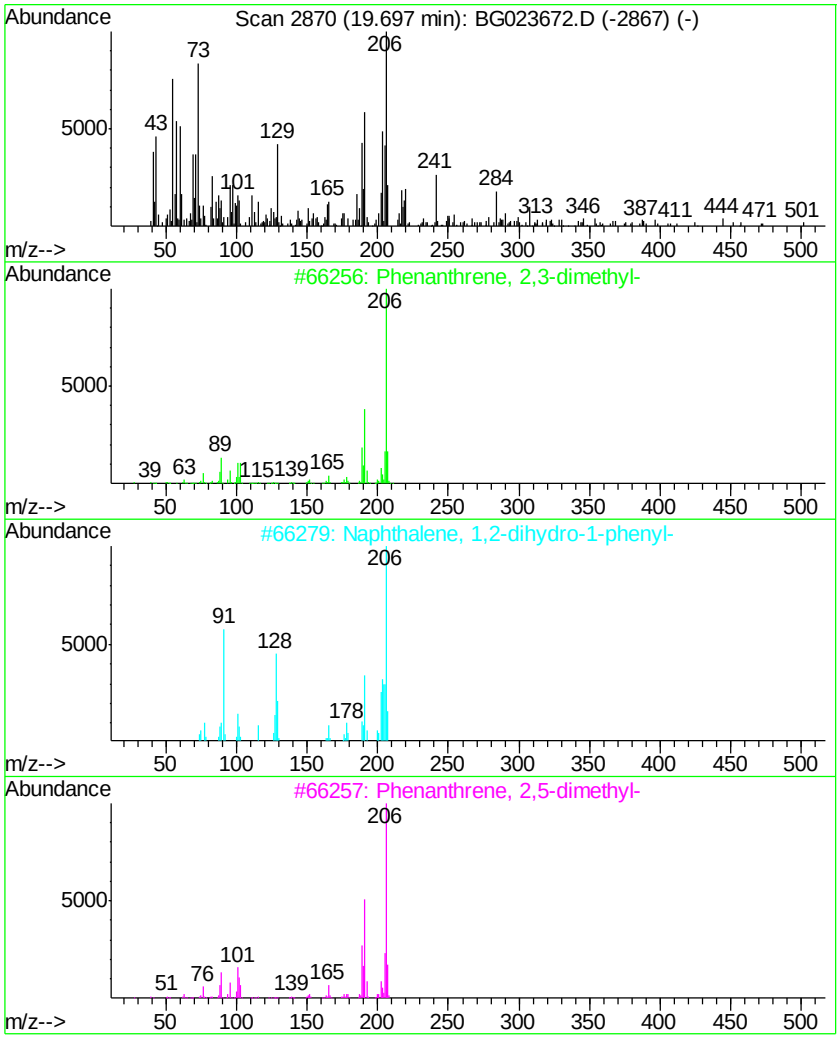
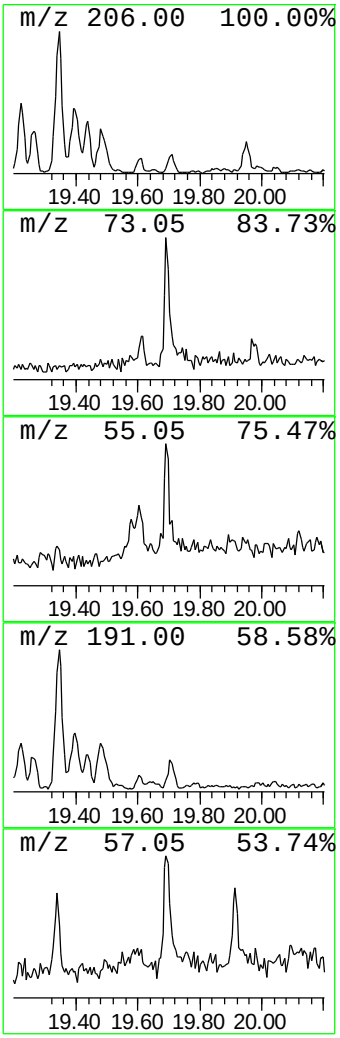
Peak Number 15 Phenanthrene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	3.23 ng/ul	357407	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	50
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	49
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	43





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Sample : H4385-17
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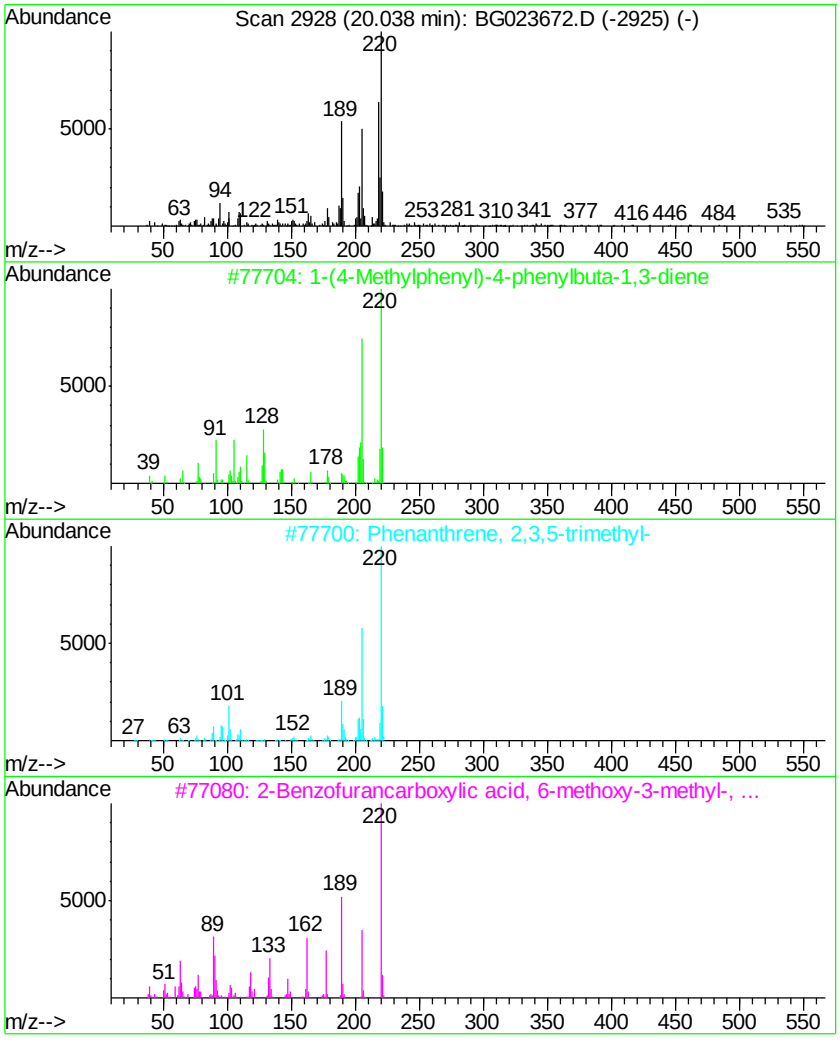
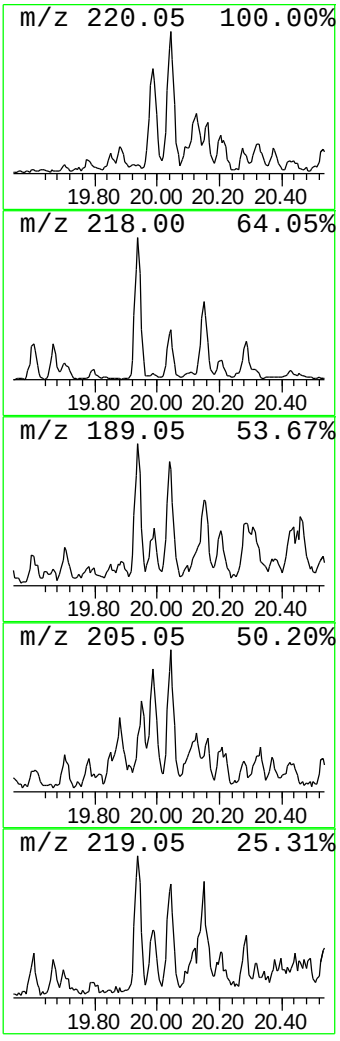
Peak Number 16 1-(4-Methylphenyl)-4-phenyl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.18 ng/ul	473912	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	55
2	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	49
3	2-Benzofurancarboxylic acid, 6-m...	220	C12H12O4	1000349-99-8	46
4	9-Ethyl-10-methylanthracene	220	C17H16	019713-49-6	42
5	1,2,3,4-Tetrahydrobenzo[a]fluorene	220	C17H16	006567-09-5	38





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Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

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Quant Title : SVOA CALIBRATION

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

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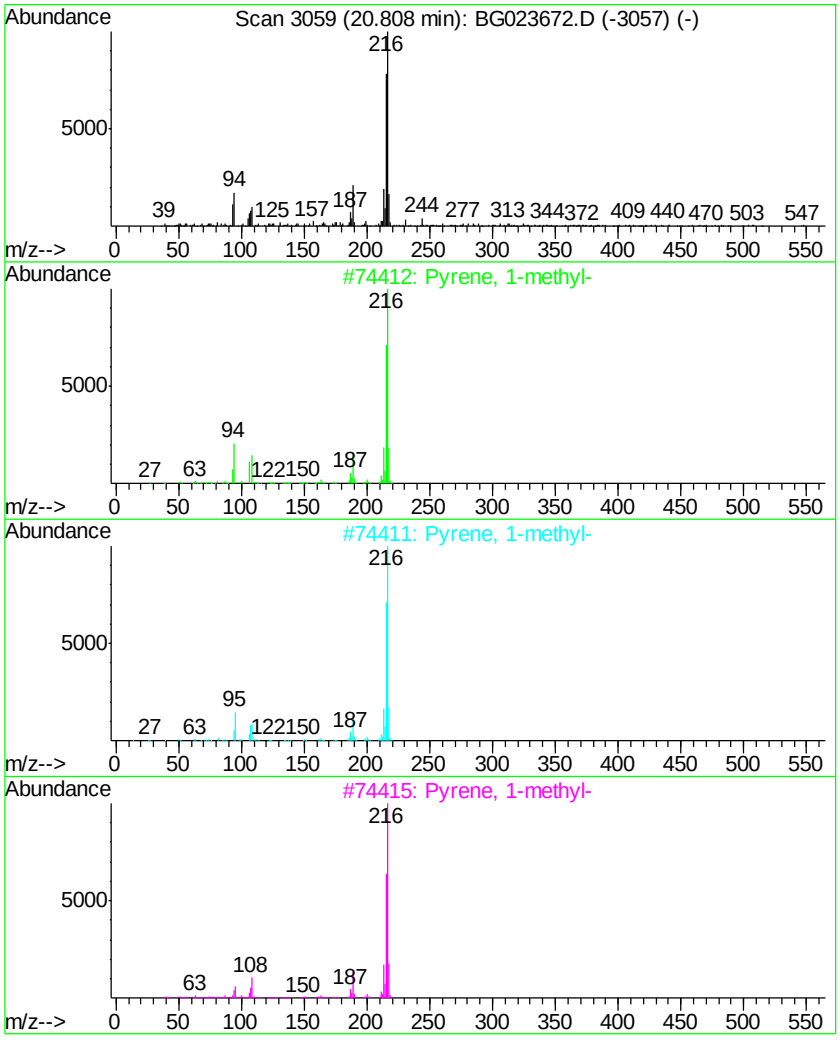
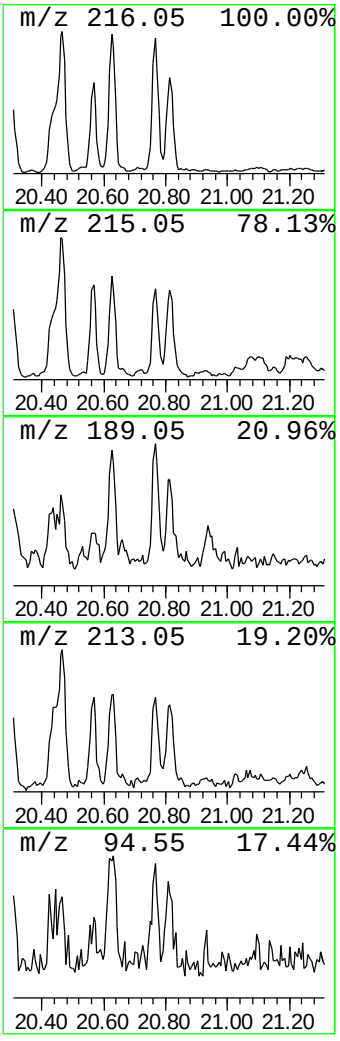
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.81	2.68 ng/ul	583956	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0002-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA 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
Hexanoic acid, 2-...	9.40	2.1	ng/ul	74357	1	8.11	696524	20.0
1-Methyldibenzoth...	18.14	2.2	ng/ul	241301	4	17.55	2214250	20.0
4-Methylnaphtho[1...	18.30	2.2	ng/ul	242115	4	17.55	2214250	20.0
unknown-01	18.36	2.5	ng/ul	274188	4	17.55	2214250	20.0
1H-Cyclopropa[l]p...	18.43	13.2	ng/ul	1461670	4	17.55	2214250	20.0
Phenanthrene, 2-m...	18.48	7.9	ng/ul	876437	4	17.55	2214250	20.0
Anthracene, 1-met...	18.62	9.2	ng/ul	1021230	4	17.55	2214250	20.0
Phenanthrene, 1-m...	18.66	3.7	ng/ul	411251	4	17.55	2214250	20.0
5,16[1',2']:8,13[...	18.93	3.1	ng/ul	344238	4	17.55	2214250	20.0
9,10-Anthracenedione	18.97	3.8	ng/ul	417433	4	17.55	2214250	20.0
Phenanthrene, 3,6...	19.22	2.3	ng/ul	253197	4	17.55	2214250	20.0
di-p-Tolylacetylene	19.26	2.1	ng/ul	233304	4	17.55	2214250	20.0
Phenanthrene, 2,5...	19.34	7.9	ng/ul	877420	4	17.55	2214250	20.0
Cyclopenta(def)ph...	19.49	4.1	ng/ul	458116	4	17.55	2214250	20.0
Phenanthrene, 2,3...	19.70	3.2	ng/ul	357407	4	17.55	2214250	20.0
1-(4-Methylphenyl...	20.04	2.2	ng/ul	473912	5	21.88	4355670	20.0
Pyrene, 1-methyl-	20.81	2.7	ng/ul	583956	5	21.88	4355670	20.0