LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121316\
Data File : BG025165.D
Acq On : 14 Dec 2016 4:01
Operator : UM/SJ
Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BACKGROUND05-0106-03

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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	3.272	69	74	82	rVB2	118144	184671	2.89%	0.220%
2	3.360	84	89	101	rVB3	46234	93263	1.46%	0.111%
3	4.024	197	202	214	rBV3	24873	42029	0.66%	0.050%
4	4.123	215	219	227	rBV	118893	194875	3.04%	0.233%
5	5.381	428	433	439	rBV5	23154	41901	0.65%	0.050%
6	7.390	764	775	790	rBV2	336780	741527	11.59%	0.885%
7	7.555	794	803	815	rVB	211662	367343	5.74%	0.439%
8	7.766	829	839	849	rBV2	295305	541093	8.45%	0.646%
9	8.236	912	919	932	rVB	393800	720537	11.26%	0.860%
10	8.941	1027	1039	1051	rBV2	360172	685673	10.71%	0.819%
11	9.417	1110	1120	1128	rBV2	321772	642234	10.03%	0.767%
12	10.146	1232	1244	1255	rBV2	302676	615924	9.62%	0.735%
13	10.686	1327	1336	1353	rVB	441315	845599	13.21%	1.010%
14	11.068	1393	1401	1416	rBV	596378	1118961	17.48%	1.336%
15	11.209	1416	1425	1438	rVV2	162236	368677	5.76%	0.440%
16	14.194	1925	1933	1936	rBV7	19163	44920	0.70%	0.054%
17	14.253	1936	1943	1948	rVV	816920	1289197	20.14%	1.539%
18	14.300	1948	1951	1960	rVB	170493	247196	3.86%	0.295%
19	14.558	1986	1995	2007	rBV	875263	1453268	22.71%	1.735%
20	14.864	2035	2047	2053	rBV	1012079	1669150	26.08%	1.993%
21	14.923	2053	2057	2065	rVV	102839	172258	2.69%	0.206%
22	15.069	2074	2082	2091	rBV	341803	645219	10.08%	0.770%
23	15.257	2103	2114	2120	rVV4	59607	164635	2.57%	0.197%
24	15.575	2162	2168	2172	rBV	26883	47941	0.75%	0.057%
25	15.651	2175	2181	2187	rVB3	46037	81646	1.28%	0.097%
26	15.851	2204	2215	2220	rBV	1161813	1832023	28.62%	2.187%
27	15.904	2220	2224	2229	rVB2	111331	198979	3.11%	0.238%
28	15.974	2230	2236	2243	rBV	317500	506615	7.92%	0.605%
29	16.062	2248	2251	2261	rVB7	27070	73446	1.15%	0.088%
30	16.198	2269	2274	2280	rVB2	44884	85649	1.34%	0.102%
31	16.339	2292	2298	2305	rBV2	44893	95287	1.49%	0.114%
32	16.509	2323	2327	2334	rBV2	55420	85658	1.34%	0.102%
33	16.579	2334	2339	2345	rVB10	22678	43876	0.69%	0.052%
34	16.903	2382	2394	2398	rBV10	36999	101583	1.59%	0.121%

LSC Area Percent Report

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Acq On : 14 Dec 2016 4:01
Operator : UM/SJ
Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BACKGROUND05-0106-03

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

35	16.950	2398	2402	2408	rVV8	30635	51286	0.80%	0.061%
36	17.126	2425	2432	2435	rVV7	33359	63875	1.00%	0.076%
37	17.167	2435	2439	2447	rVB7	30914	69068	1.08%	0.082%
38	17.261	2448	2455	2459	rBV	123342	195027	3.05%	0.233%
39	17.426	2479	2483	2489	rBV	87204	148478	2.32%	0.177%
40	17.608	2507	2514	2517	rBV	1178259	1846701	28.85%	2.205%
41	17.649	2517	2521	2526	rVV	2007653	3158372	49.35%	3.771%
42	17.708	2526	2531	2543	rVB3	1152393	2058550	32.16%	2.458%
43	18.013	2575	2583	2595	rBV	196033	398470	6.23%	0.476%
44	18.113	2596	2600	2605	rBV4	39521	65263	1.02%	0.078%
45	18.183	2607	2612	2621	rVB10	45807	88471	1.38%	0.106%
46	18.319	2633	2635	2645	rVB9	29508	56867	0.89%	0.068%
47	18.448	2652	2657	2659	rBV	449954	626952	9.80%	0.749%
48	18.524	2665	2670	2676	rVB2	343789	513912	8.03%	0.614%
49	18.601	2680	2683	2689	rVB	46736	69376	1.08%	0.083%
50	18.671	2689	2695	2707	rBV2	325128	889107	13.89%	1.062%
51	18.818	2716	2720	2724	rBV6	51773	65782	1.03%	0.079%
52	18.959	2739	2744	2749	rBV2	207811	331651	5.18%	0.396%
53	19.018	2749	2754	2762	rVB	630546	941526	14.71%	1.124%
54	19.088	2763	2766	2770	rVV5	33130	45129	0.71%	0.054%
55	19.206	2782	2786	2790	rVB5	47287	75437	1.18%	0.090%
56	19.253	2791	2794	2798	rVV2	46704	52787	0.82%	0.063%
57	19.294	2798	2801	2806	rVV7	43810	64095	1.00%	0.077%
58	19.376	2810	2815	2818	rBV2	88991	140956	2.20%	0.168%
59	19.417	2819	2822	2828	rVB7	33587	69021	1.08%	0.082%
60	19.529	2835	2841	2847	rVB	212174	324880	5.08%	0.388%
61	19.646	2853	2861	2867	rBV	4161389	6058770	94.66%	7.234%
62	19.699	2867	2870	2882	rVB5	208092	416761	6.51%	0.498%
63	19.840	2888	2894	2897	rBV5	127162	233236	3.64%	0.278%
64	19.893	2900	2903	2910	rVB3	101134	162896	2.55%	0.194%
65	19.981	2910	2918	2920	rBV2	1834297	3362806	52.54%	4.015%
66	20.011	2920	2923	2929	rVV	3216134	4430627	69.22%	5.290%
67	20.069	2929	2933	2938	rVB2	202256	286507	4.48%	0.342%
68	20.175	2946	2951	2957	rBV	243888	365519	5.71%	0.436%
69	20.316	2969	2975	2982	rBV3	252180	631113	9.86%	0.754%
70	20.387	2982	2987	2990	rVV2	73673	132836	2.08%	0.159%
71	20.451	2991	2998	2999	rBV2	199099	341650	5.34%	0.408%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BACKGROUND05-0106-03

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

72	20.487	3000	3004	3011	rVB	418954	699846	10.93%	0.836%
73	20.587	3016	3021	3025	rBV	221341	353518	5.52%	0.422%
74	20.651	3025	3032	3035	rVV2	252497	525446	8.21%	0.627%
75	20.680	3035	3037	3041	rVB3	124965	159632	2.49%	0.191%
76	20.786	3052	3055	3058	rBV	123921	162928	2.55%	0.195%
77	20.839	3061	3064	3074	rVB3	184504	336254	5.25%	0.401%
78	21.268	3132	3137	3143	rBV	542493	798910	12.48%	0.954%
79	21.462	3163	3170	3174	rBV3	495879	1076637	16.82%	1.285%
80	21.556	3182	3186	3192	rBV2	331306	581756	9.09%	0.695%
81	21.621	3192	3197	3204	rVB	554281	958604	14.98%	1.145%
82	21.738	3212	3217	3218	rBV5	73047	121495	1.90%	0.145%
83	21.891	3234	3243	3249	rBV3	1933875	5356055	83.68%	6.395%
84	21.955	3249	3254	3266	rVB	1843231	3489151	54.51%	4.166%
85	22.114	3276	3281	3286	rVB2	200643	360001	5.62%	0.430%
86	22.185	3289	3293	3297	rBV4	125982	235277	3.68%	0.281%
87	22.332	3312	3318	3324	rBV3	247400	527050	8.23%	0.629%
88	22.666	3369	3375	3378	rBV2	249077	455963	7.12%	0.544%
89	22.966	3420	3426	3430	rBV3	135783	313559	4.90%	0.374%
90	23.101	3444	3449	3456	rVB7	111628	271217	4.24%	0.324%
91	23.389	3492	3498	3506	rBV3	348522	704736	11.01%	0.841%
92	24.235	3632	3642	3651	rBV3	1850559	6400454	100.00%	7.642%
93	25.011	3766	3774	3782	rBV	699315	1965472	30.71%	2.347%
94	25.093	3782	3788	3795	rVV2	605419	1799268	28.11%	2.148%
95	25.175	3795	3802	3816	rVB	949460	2903416	45.36%	3.466%
96	25.334	3819	3829	3837	rBV2	670091	2007840	31.37%	2.397%
97	25.422	3839	3844	3858	rVB3	254493	750071	11.72%	0.896%
98	26.415	4004	4013	4032	rVB2	499194	1672953	26.14%	1.997%
99	29.282	4489	4501	4524	rVB2	461684	2436726	38.07%	2.909%
100	30.522	4701	4712	4730	rVB2	290604	1456154	22.75%	1.739%

Sum of corrected areas: 83757002

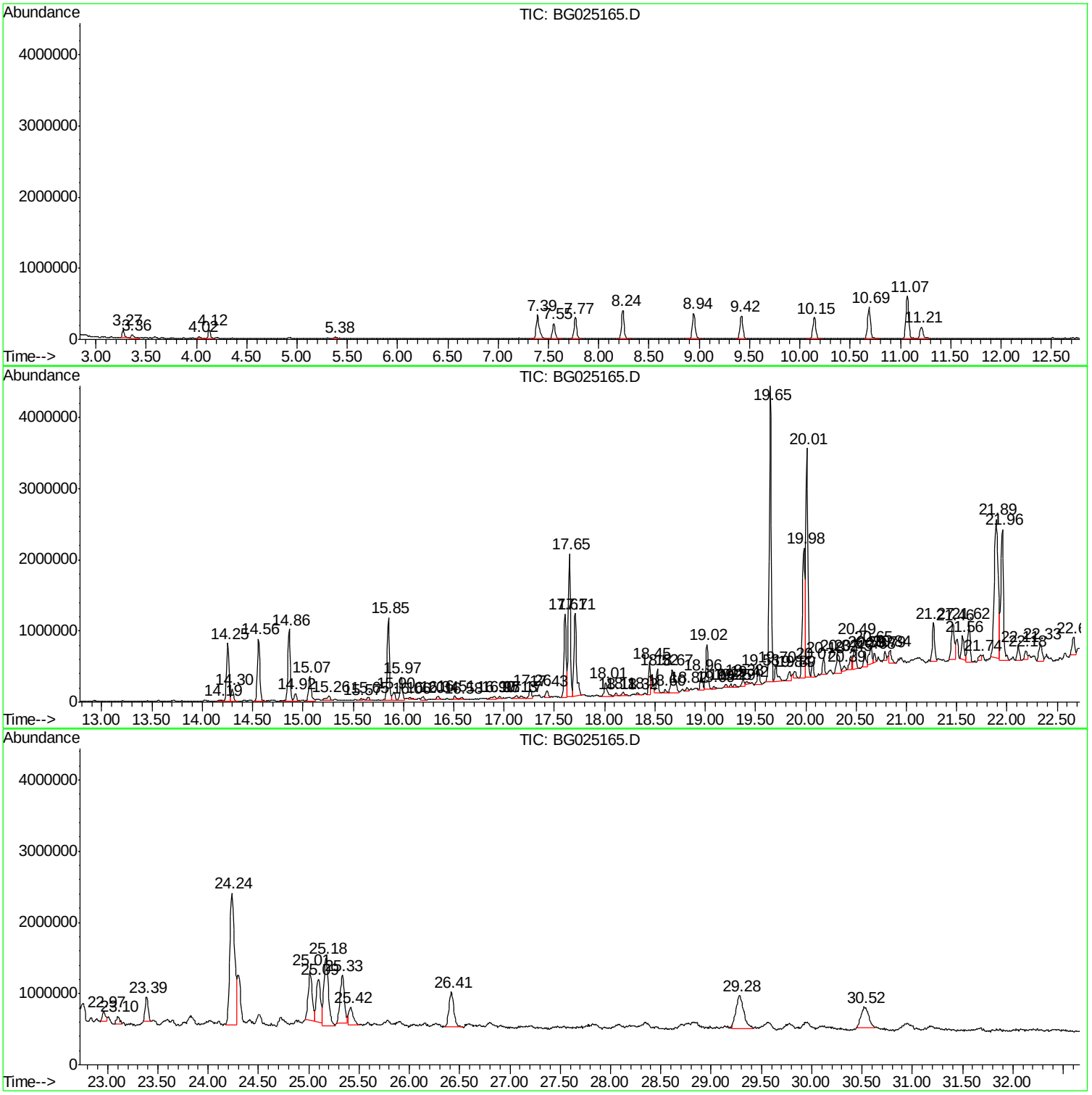
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121316\
Data File : BG025165.D
Acq On : 14 Dec 2016 4:01
Operator : UM/SJ
Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BACKGROUND05-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121316\
Data File : BG025165.D
Acq On : 14 Dec 2016 4:01
Operator : UM/SJ
Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BACKGROUND05-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

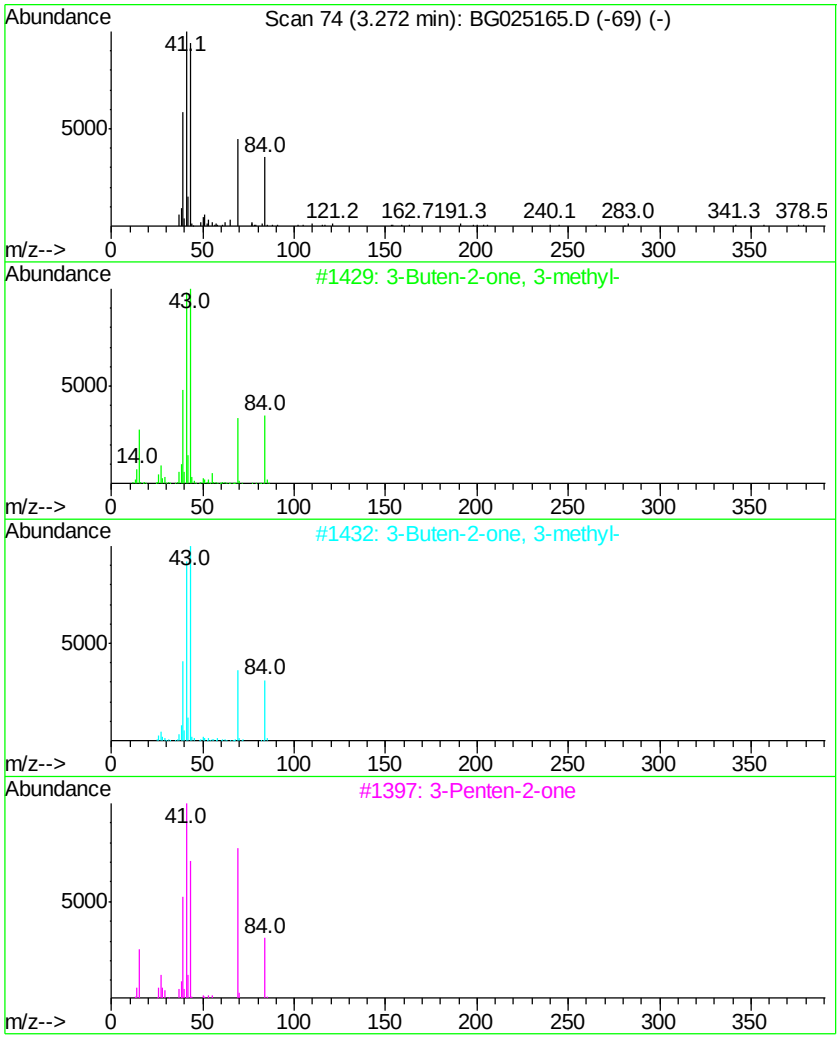
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

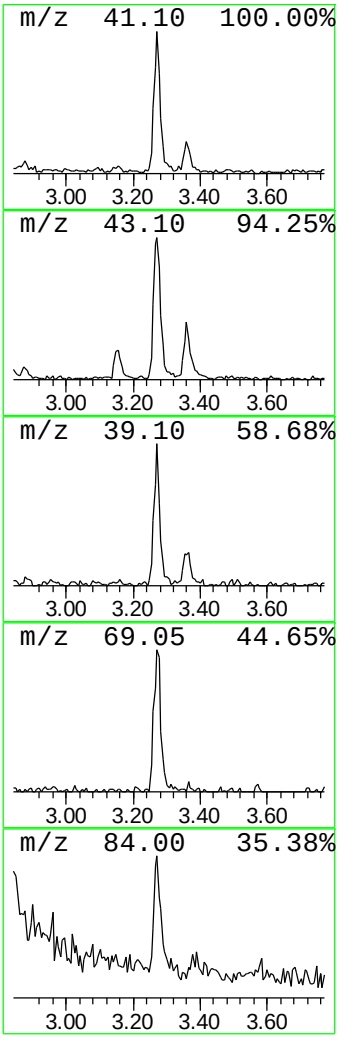
****

Peak Number 1 3-Buten-2-one, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.27	5.13 ng/ul	184671	1,4-Dichlorobenzene-d4	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	86
2	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	78
3	3-Penten-2-one	84	C5H8O	000625-33-2	59
4	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	53
5	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121316\
Data File : BG025165.D
Acq On : 14 Dec 2016 4:01
Operator : UM/SJ
Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BACKGROUND05-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

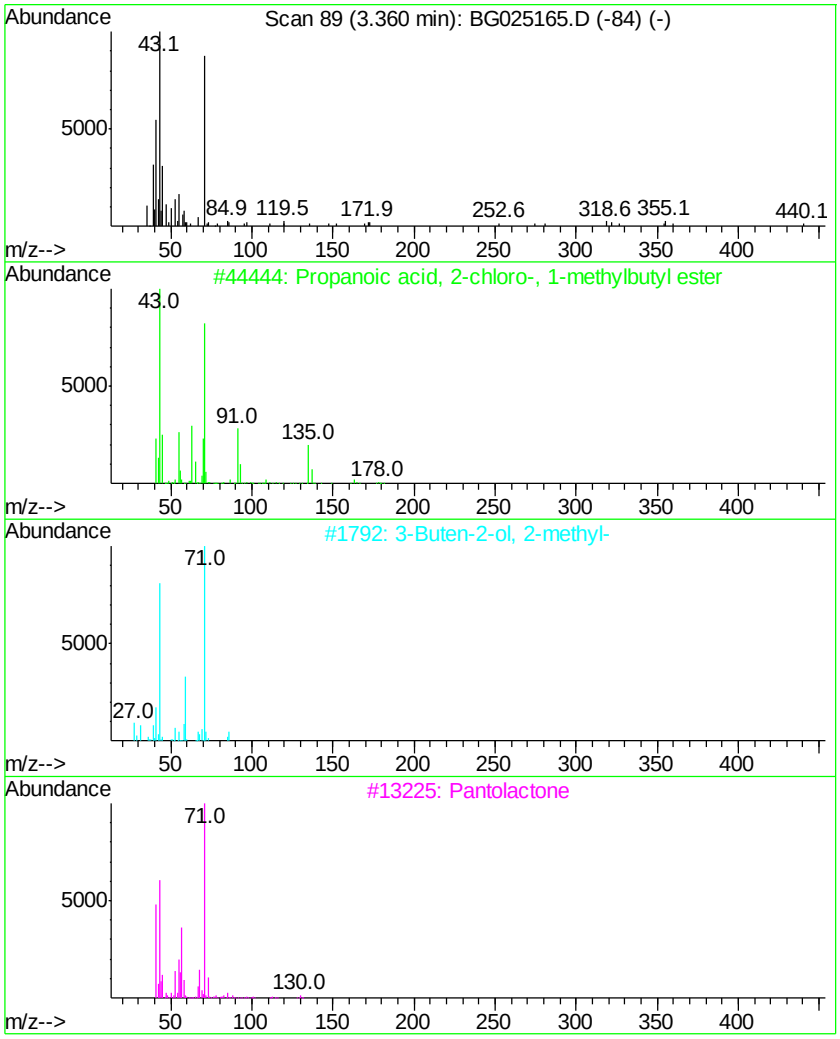
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

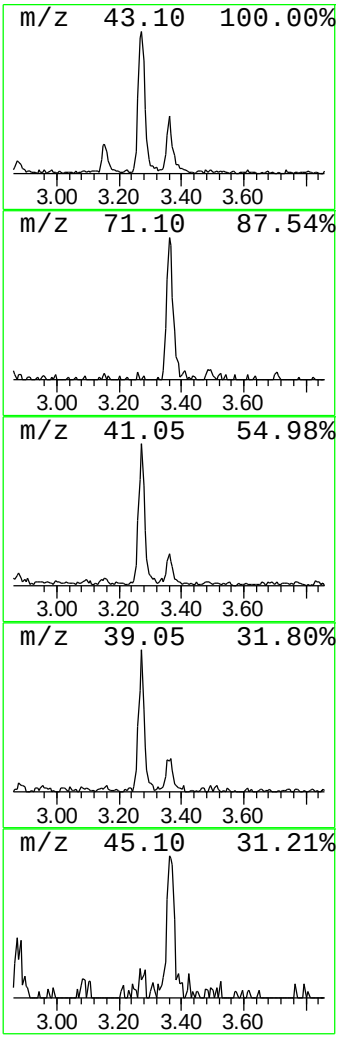
****

Peak Number 2 Propanoic acid, 2-chloro-, ... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.36	2.59 ng/ul	93263	1,4-Dichlorobenzene-d4	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-chloro-, 1-met...	178	C8H15ClO2	088736-64-5	50
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	47
3	Pantolactone	130	C6H10O3	000599-04-2	42
4	Butanoyl chloride	106	C4H7ClO	000141-75-3	38
5	Ethanedioic acid, bis(3-methylbu...	230	C12H22O4	002051-00-5	33





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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

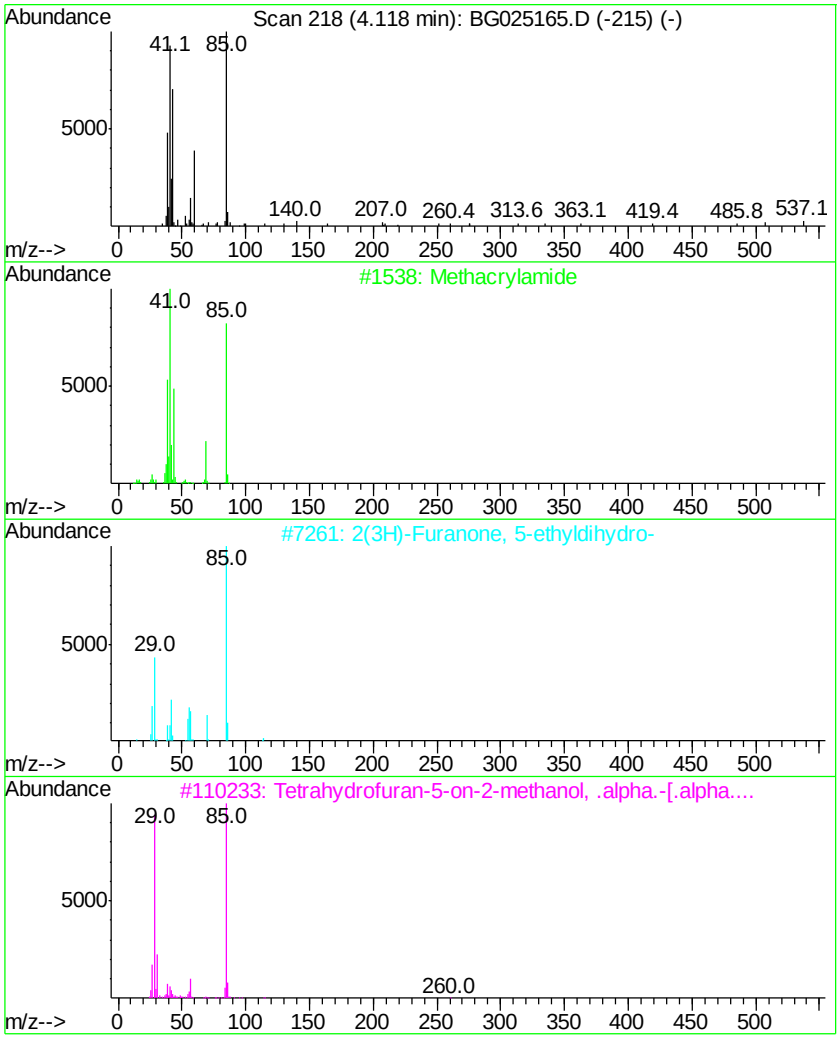
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

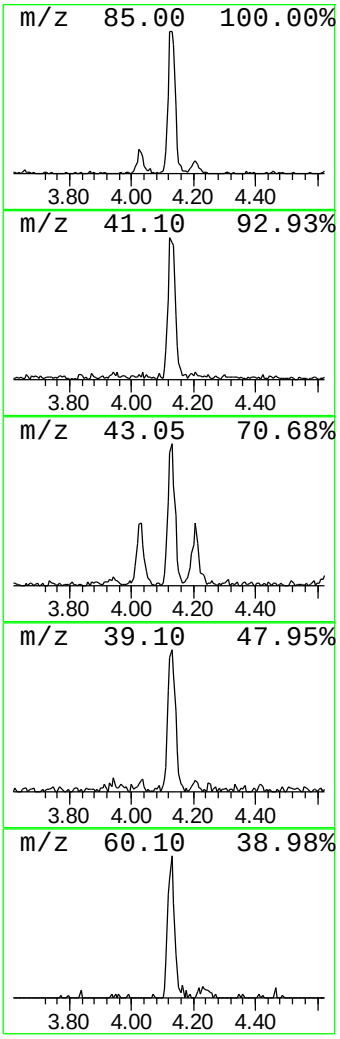
****

Peak Number 3 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.12	5.41 ng/ul	194875	1,4-Dichlorobenzene-d4	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	40
2	2(3H)-Furanone, 5-ethyldihydro-	114	C6H10O2	000695-06-7	38
3	Tetrahydrofuran-5-on-2-methanol,...	260	C11H16O7	1000192-28-3	33
4	Methacrylamide	85	C4H7NO	000079-39-0	12
5	Formic acid, 2-methylpropyl ester	102	C5H10O2	000542-55-2	10





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121316\
Data File : BG025165.D
Acq On : 14 Dec 2016 4:01
Operator : UM/SJ
Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BACKGROUND05-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

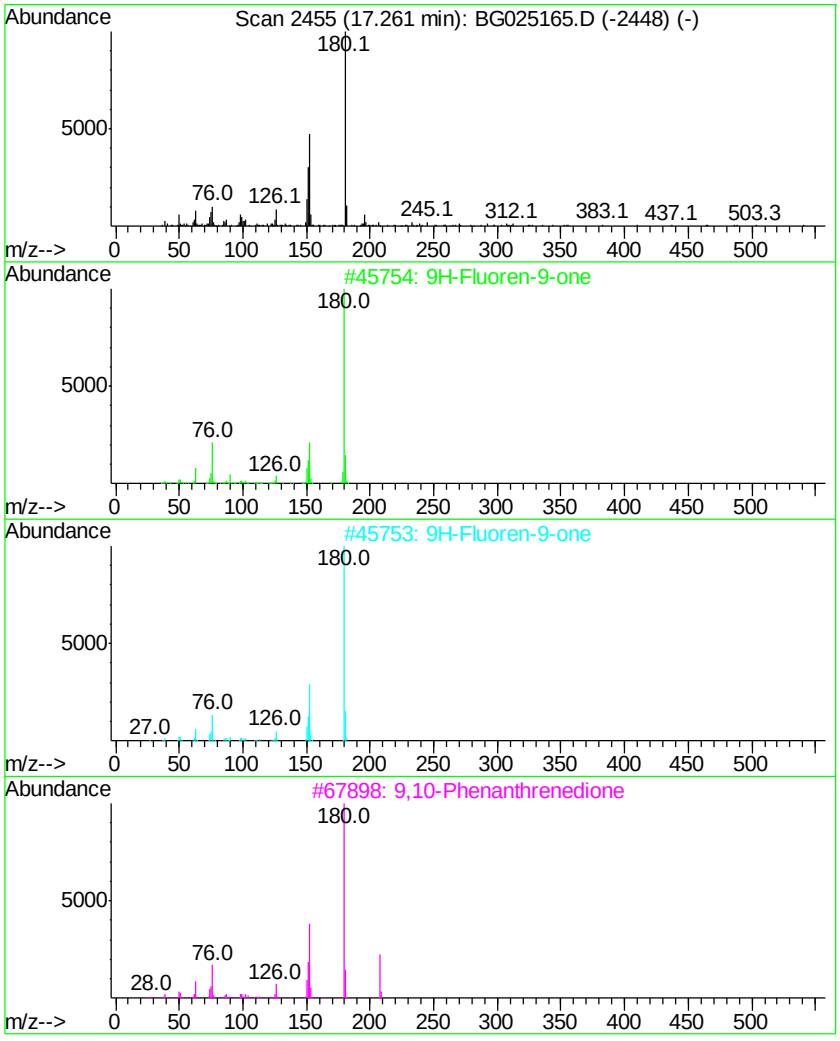
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

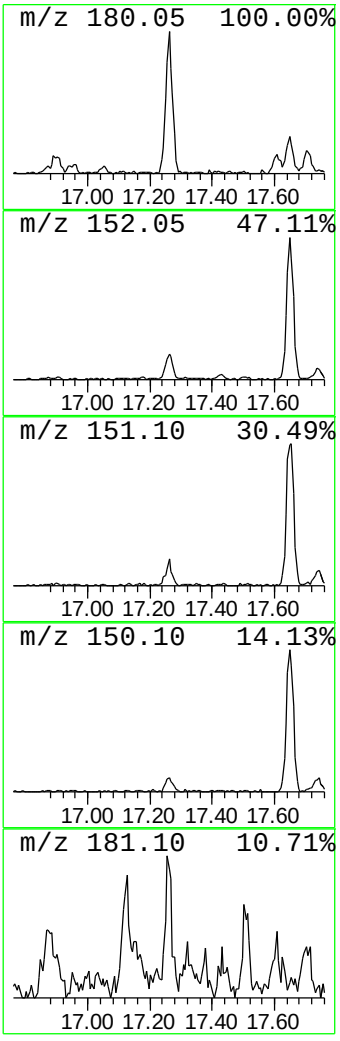
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.11 ng/ul	195027	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	78
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	72
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121316\
Data File : BG025165.D
Acq On : 14 Dec 2016 4:01
Operator : UM/SJ
Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BACKGROUND05-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

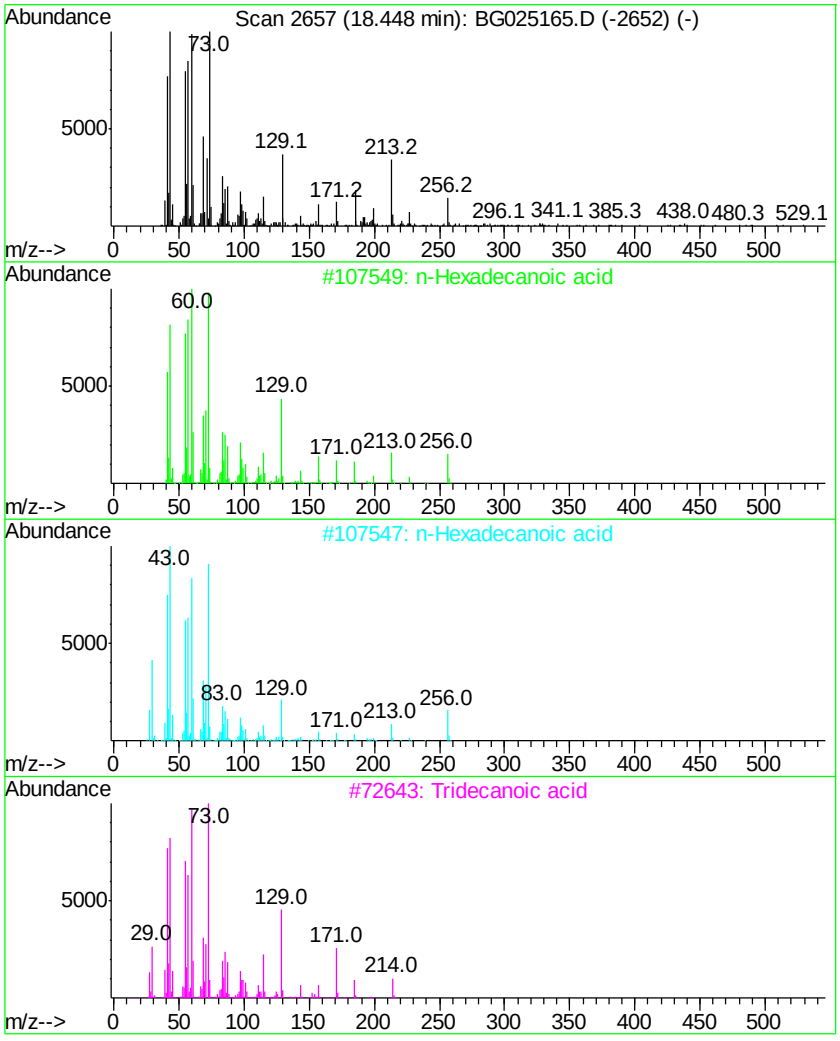
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

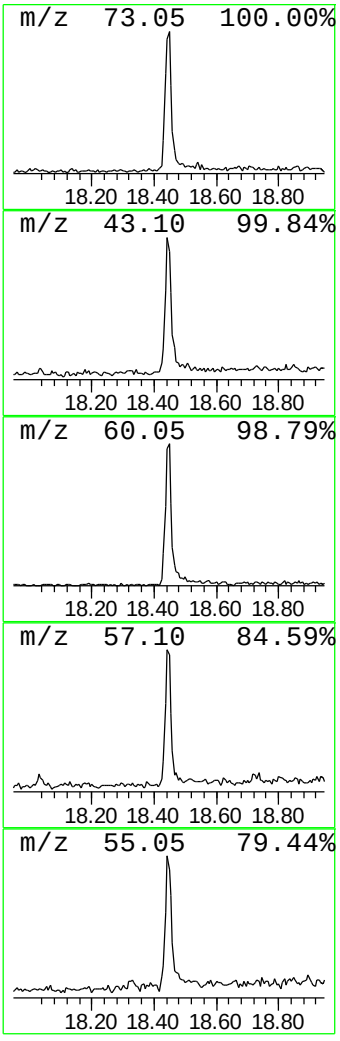
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	6.79 ng/ul	626952	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3	Tridecanoic acid	214	C13H26O2	000638-53-9	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	90
5	Tridecanoic acid	214	C13H26O2	000638-53-9	89





Library Search Compound Report

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Data File : BG025165.D
Acq On : 14 Dec 2016 4:01
Operator : UM/SJ
Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BACKGROUND05-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

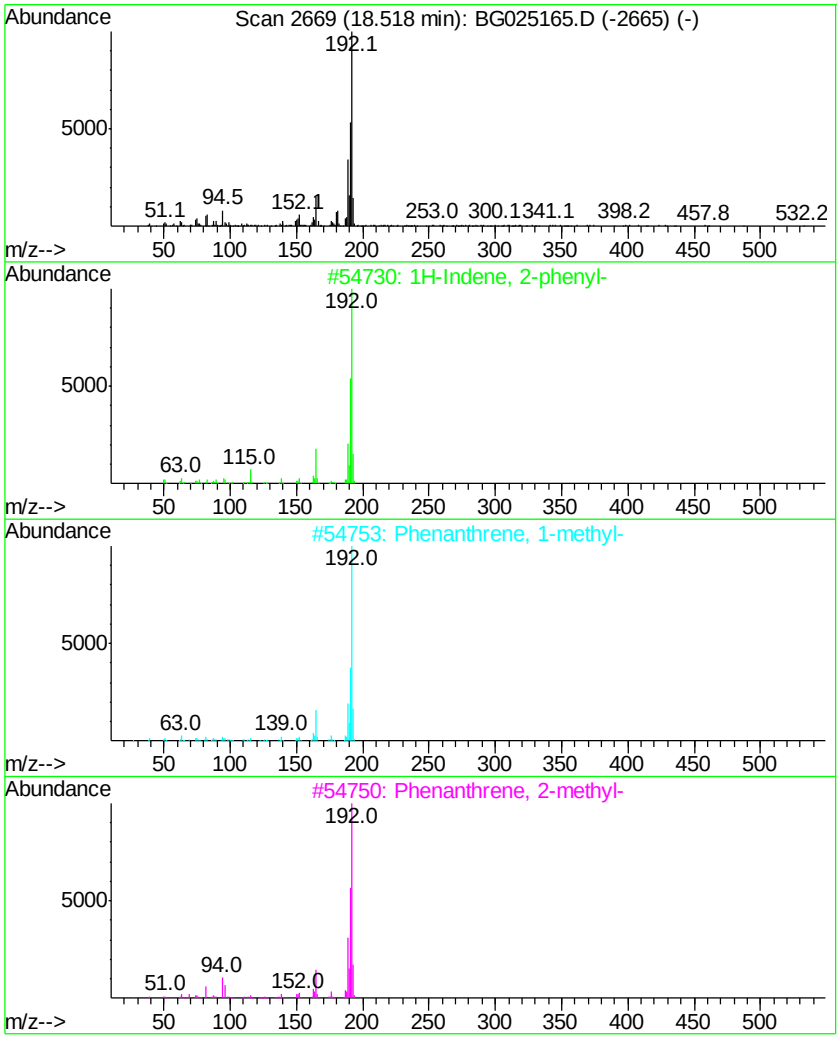
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

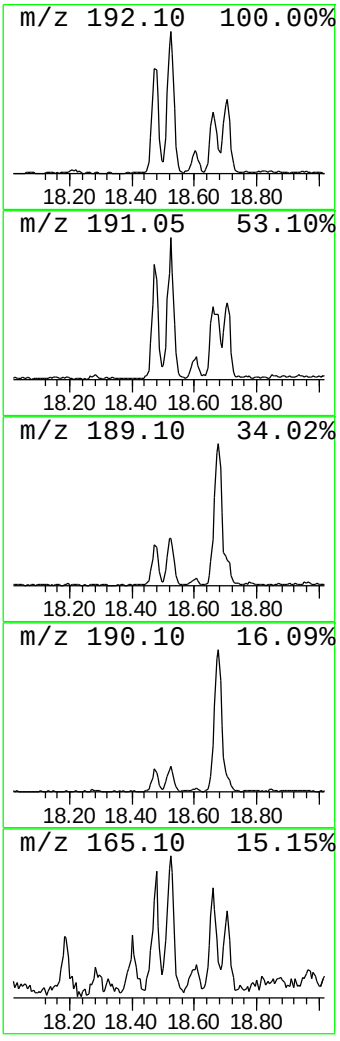
****

Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	5.57 ng/ul	513912	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Instrument : BNA_G
ClientSampleId : BACKGROUND05-0106-03

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Quant Title : SVOA CALIBRATION

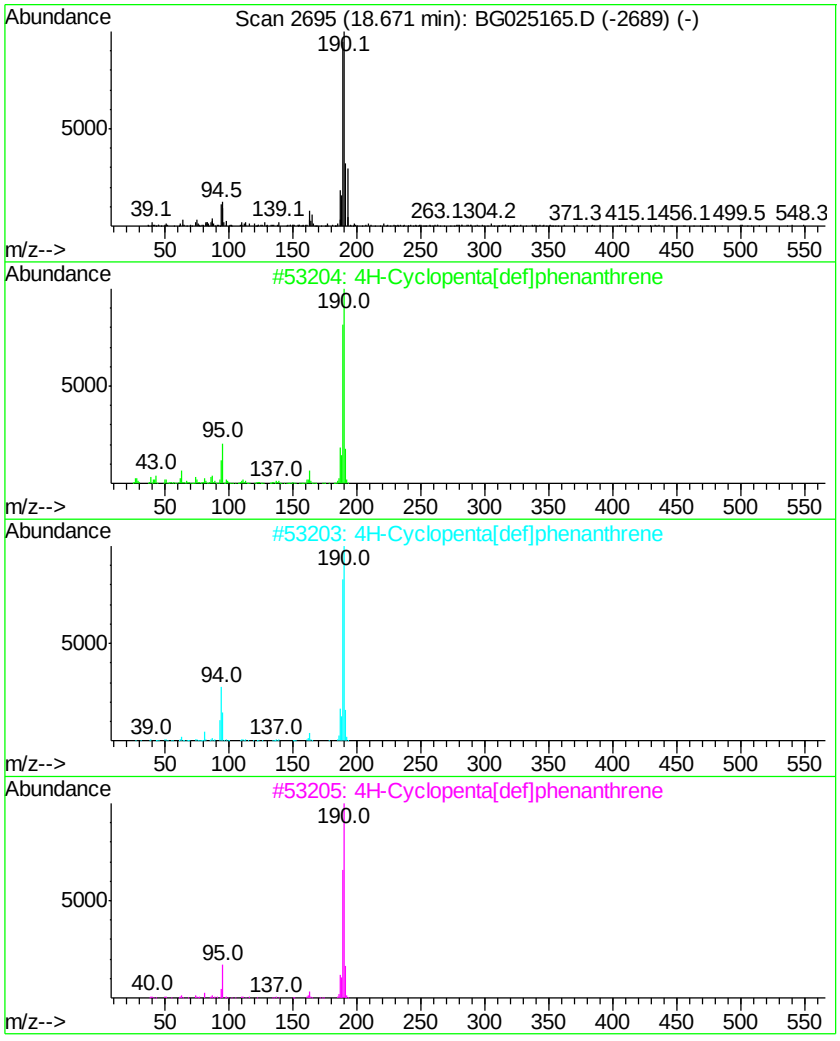
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

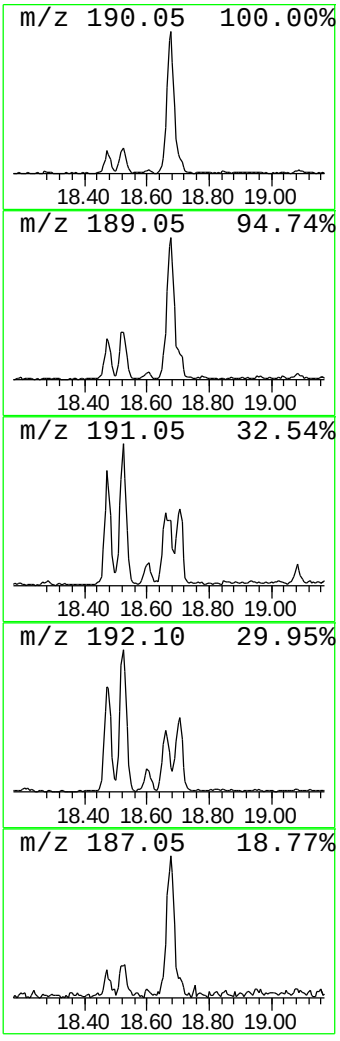
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	9.63 ng/ul	889107	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Isoquinoline, 1-[3-benzyloxy5-hy...	403	C25H25NO4	084230-24-0	27





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Instrument : BNA_G
ClientSampleId : BACKGROUND05-0106-03

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Quant Title : SVOA CALIBRATION

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

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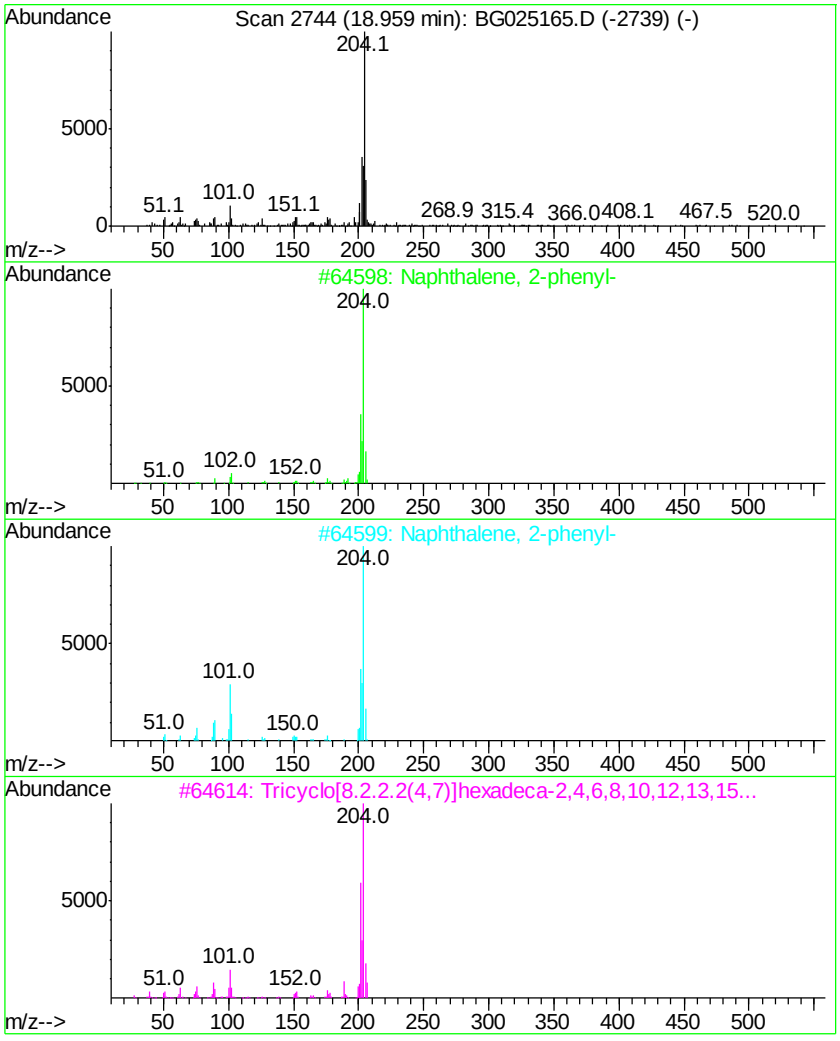
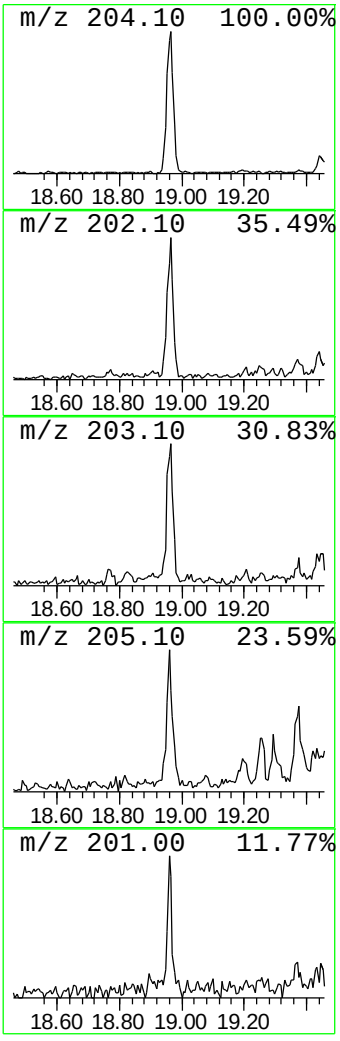
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	3.59 ng/ul	331651	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BACKGROUND05-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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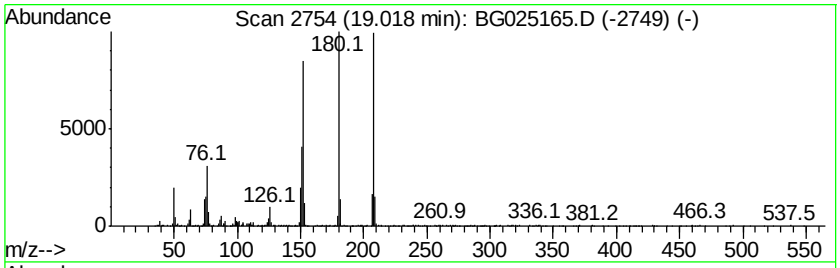
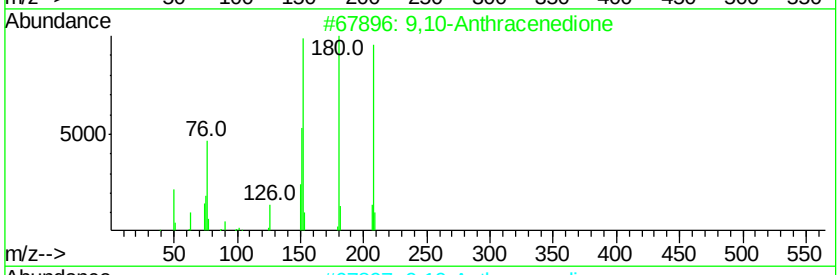
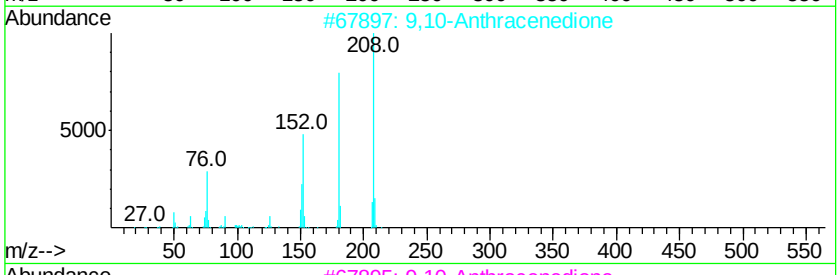
Peak Number 9 9,10-Anthracenedione Concentration Rank 3

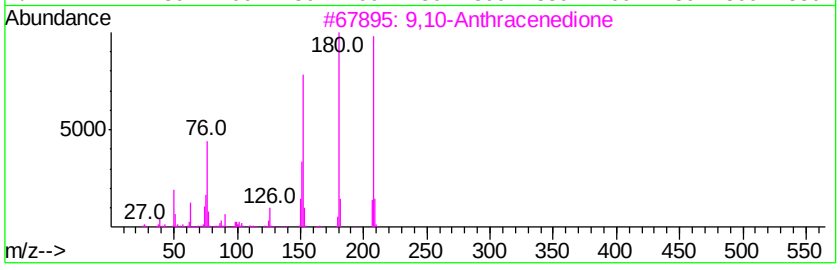
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	10.20 ng/ul	941526	Phenanthrene-d10	17.61

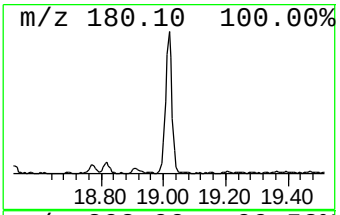
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83

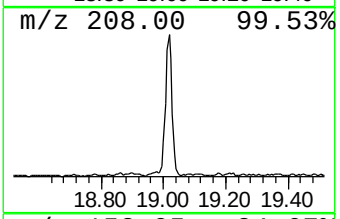


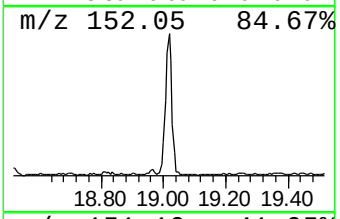


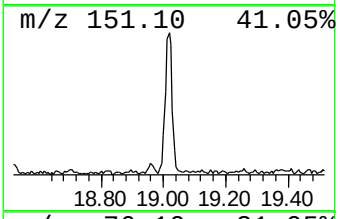


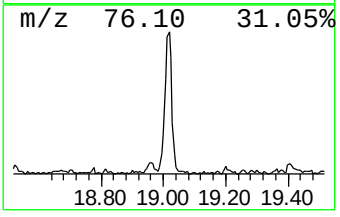












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Data File : BG025165.D
Acq On : 14 Dec 2016 4:01
Operator : UM/SJ
Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BACKGROUND05-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

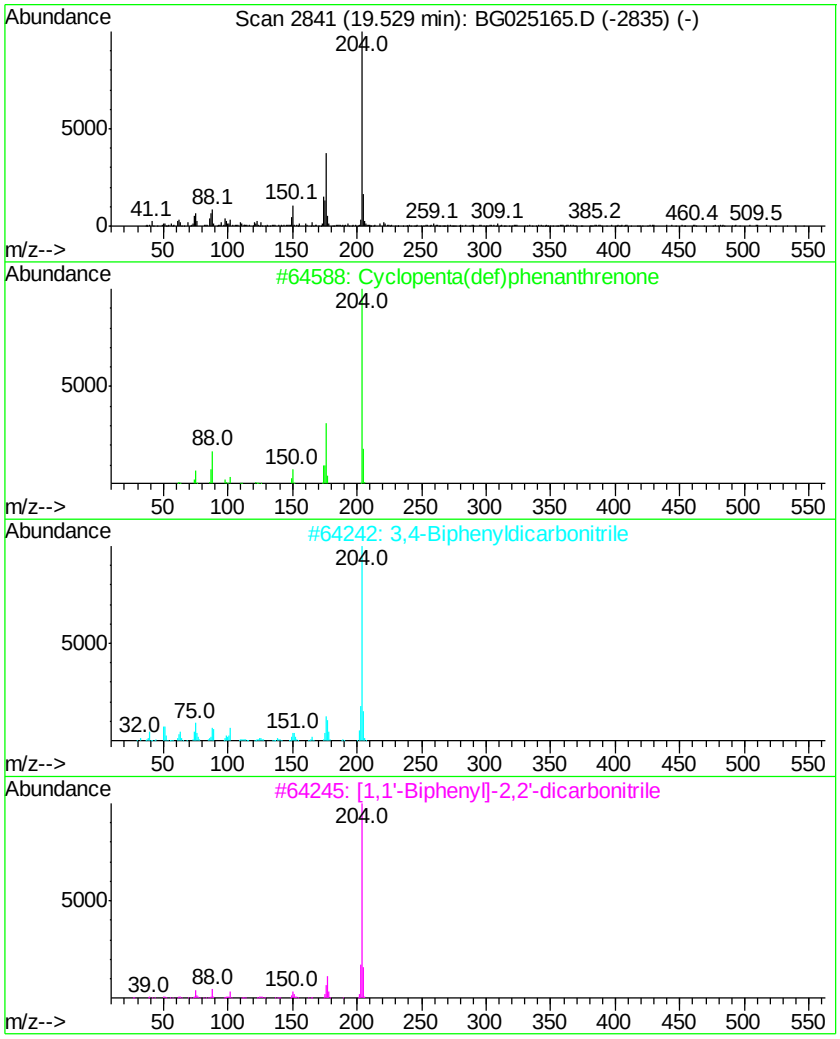
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

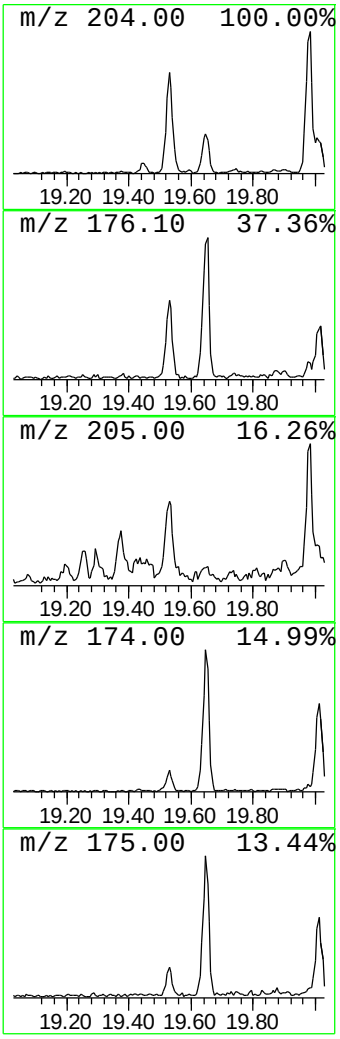
****

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	3.52 ng/ul	324880	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	72
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
4	Quinoline, 8-hydroxy-5-nitro-7-m...	289	C14H15N3O4	074440-53-2	50
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	50





Library Search Compound Report

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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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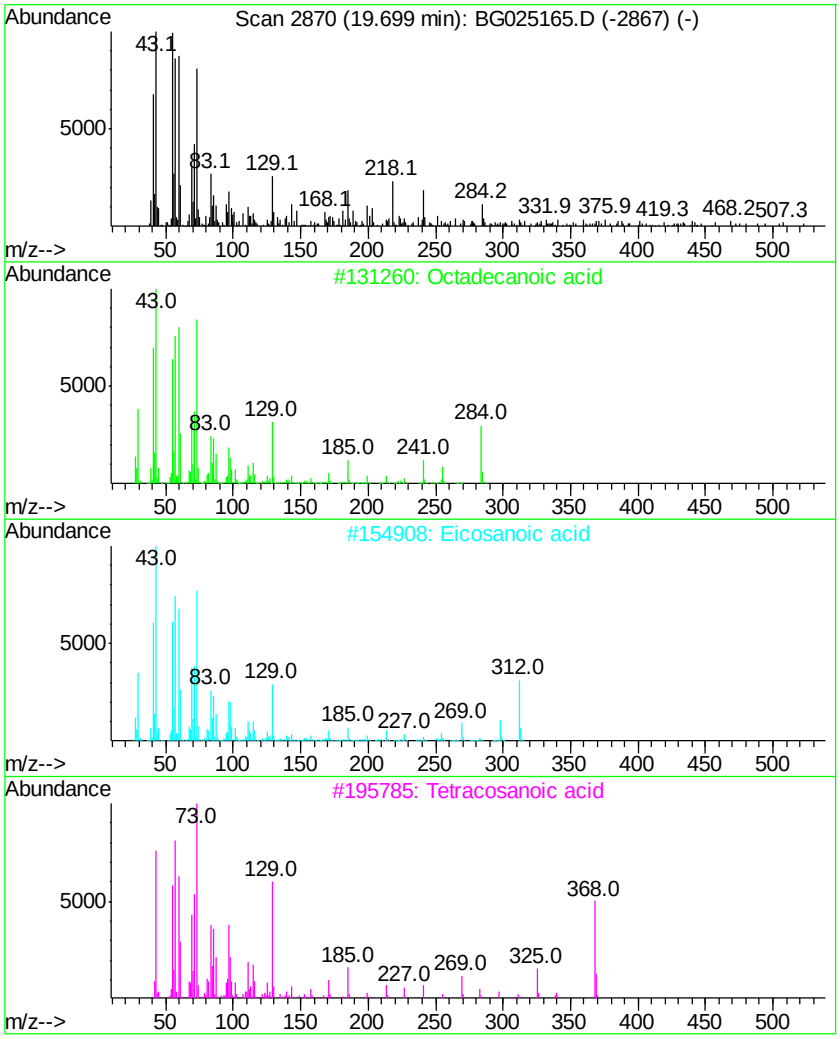
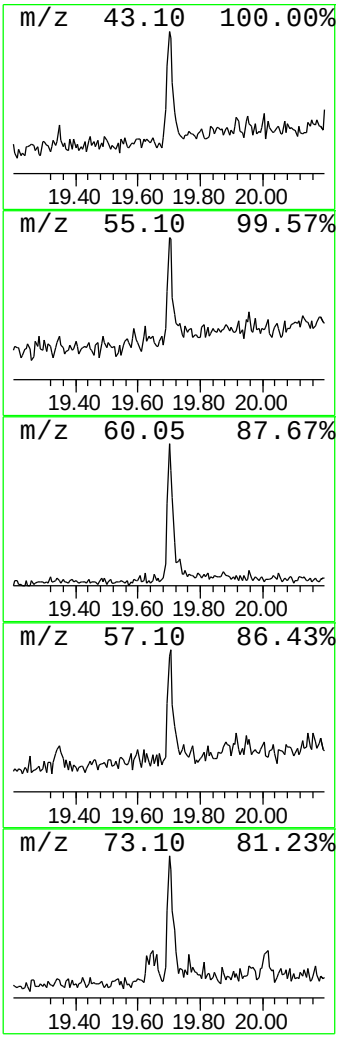
Peak Number 11 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	4.51 ng/ul	416761	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	90
2	Eicosanoic acid	312	C20H40O2	000506-30-9	78
3	Tetracosanoic acid	368	C24H48O2	000557-59-5	74
4	Octadecanoic acid	284	C18H36O2	000057-11-4	70
5	Eicosanoic acid	312	C20H40O2	000506-30-9	64





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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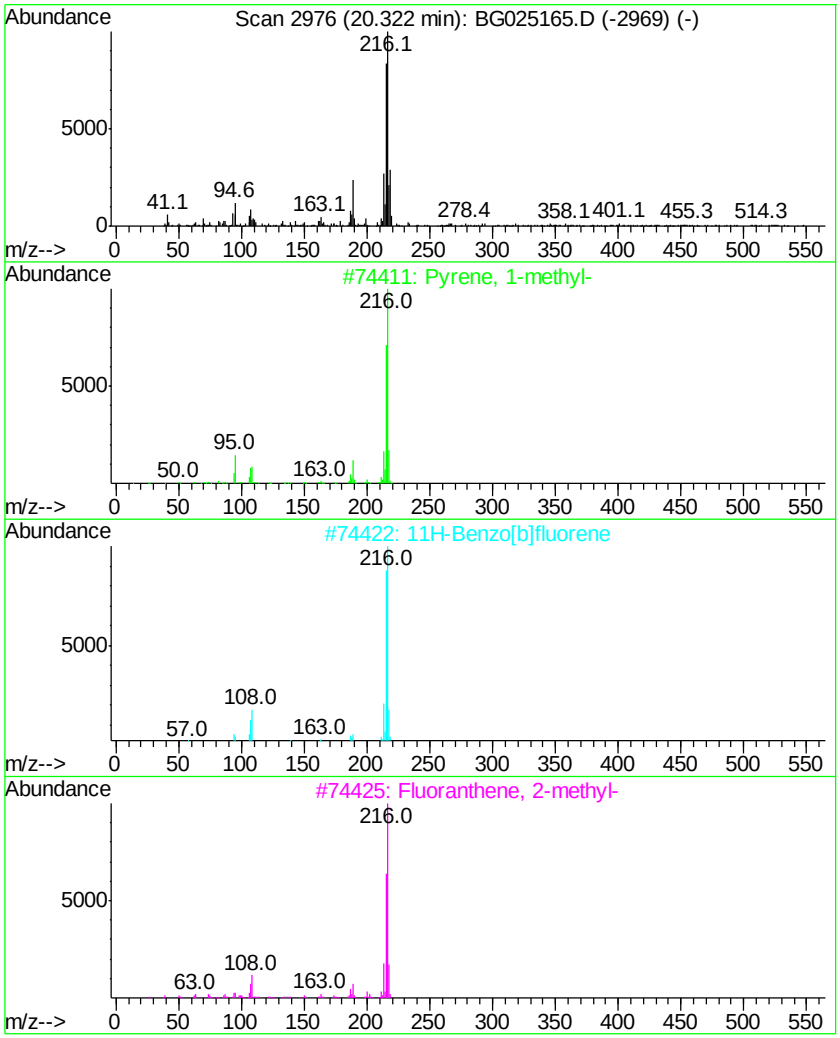
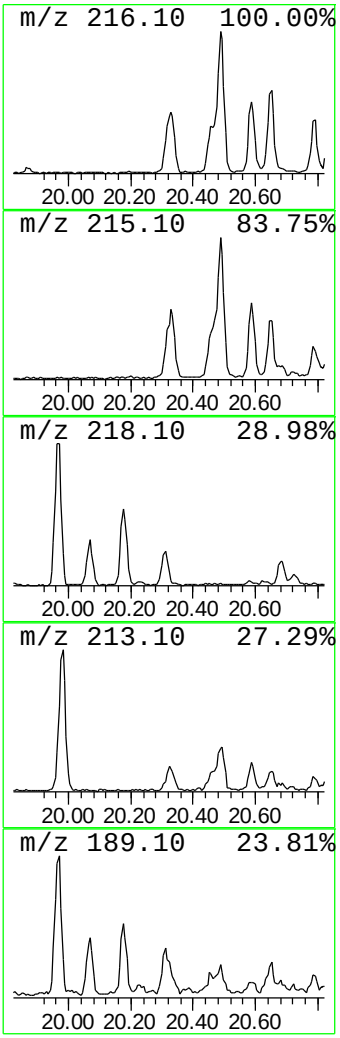
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	2.36 ng/ul	631113	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	78
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	62
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60





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Quant Title : SVOA CALIBRATION

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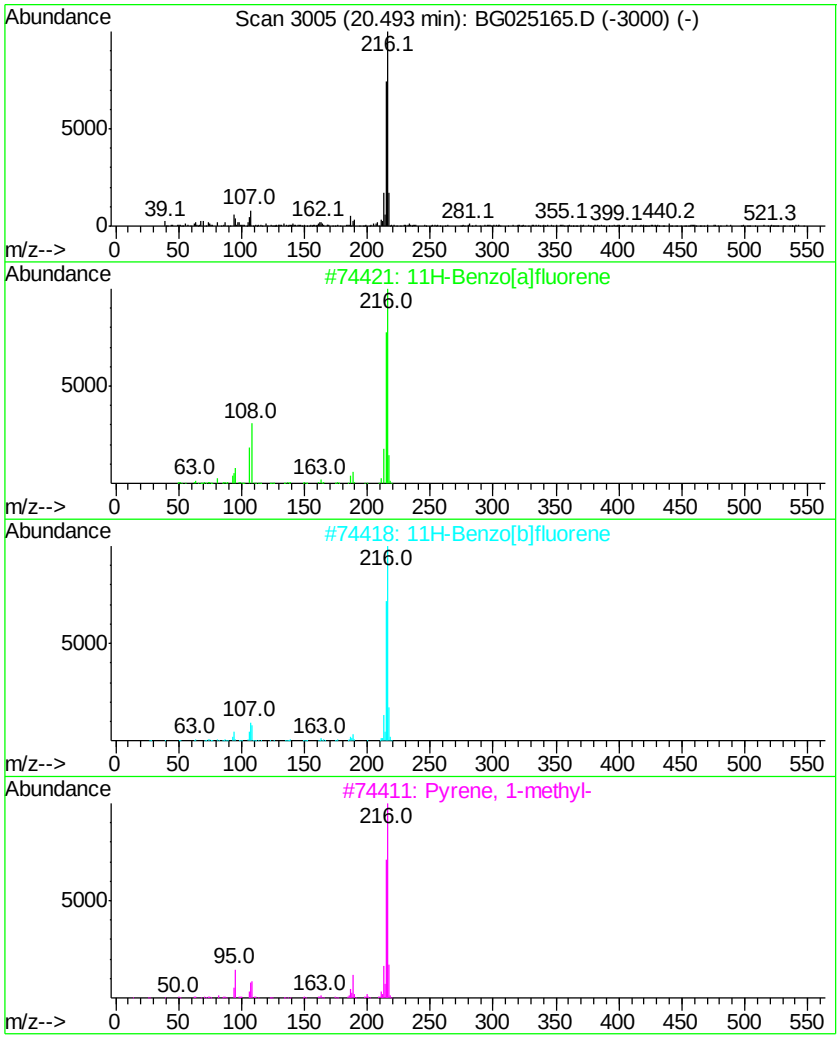
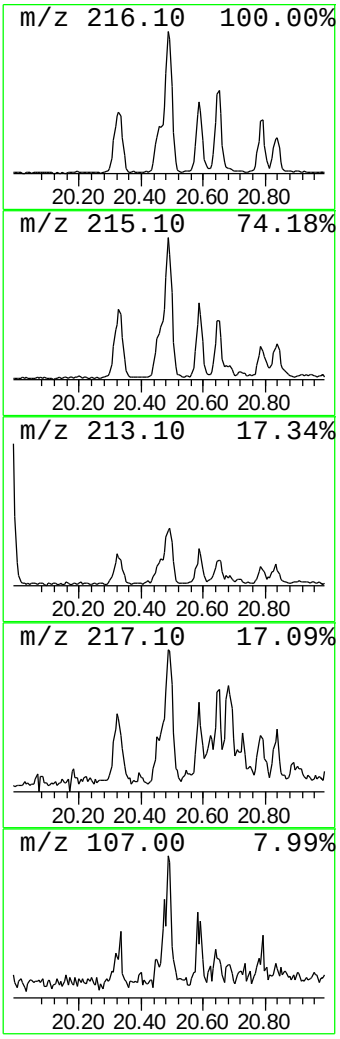
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	2.61 ng/ul	699846	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Quant Title : SVOA CALIBRATION

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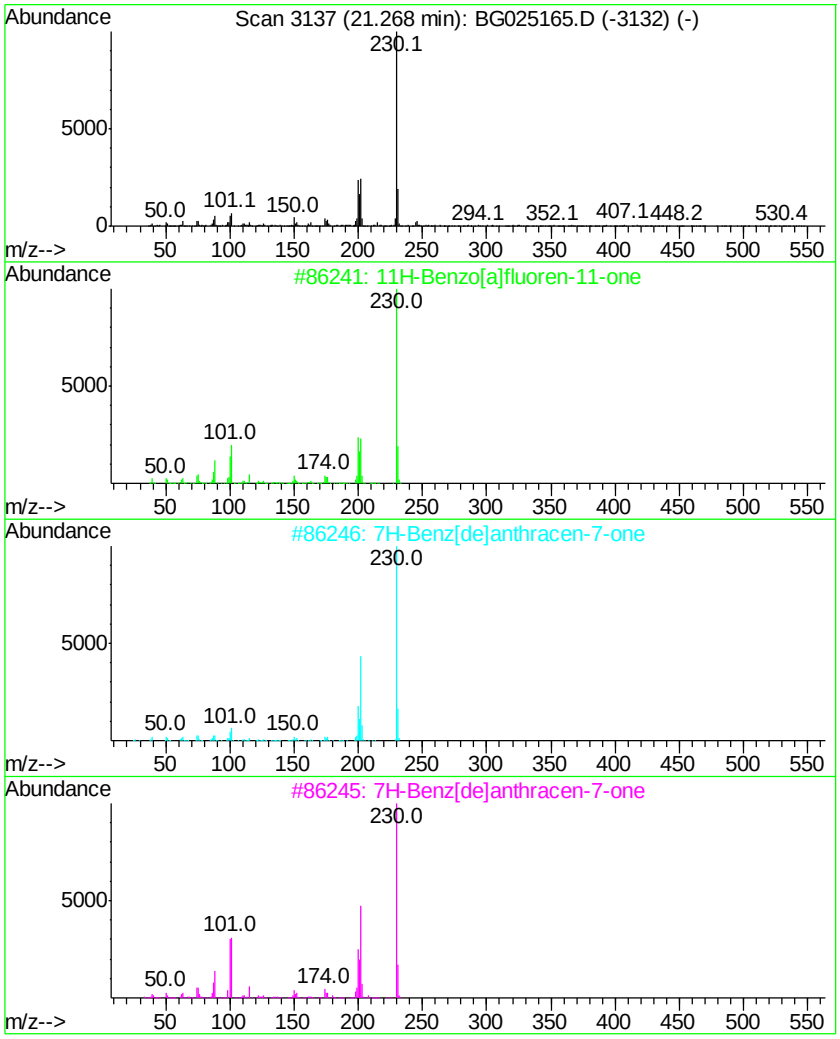
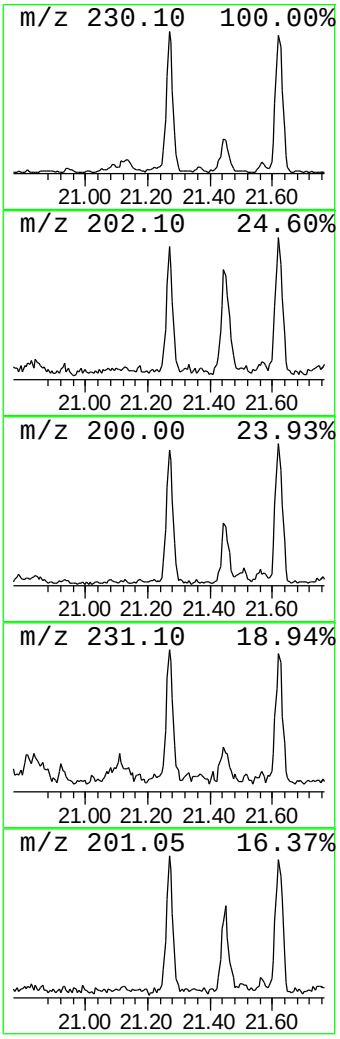
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.27	2.98 ng/ul	798910	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	68
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	59





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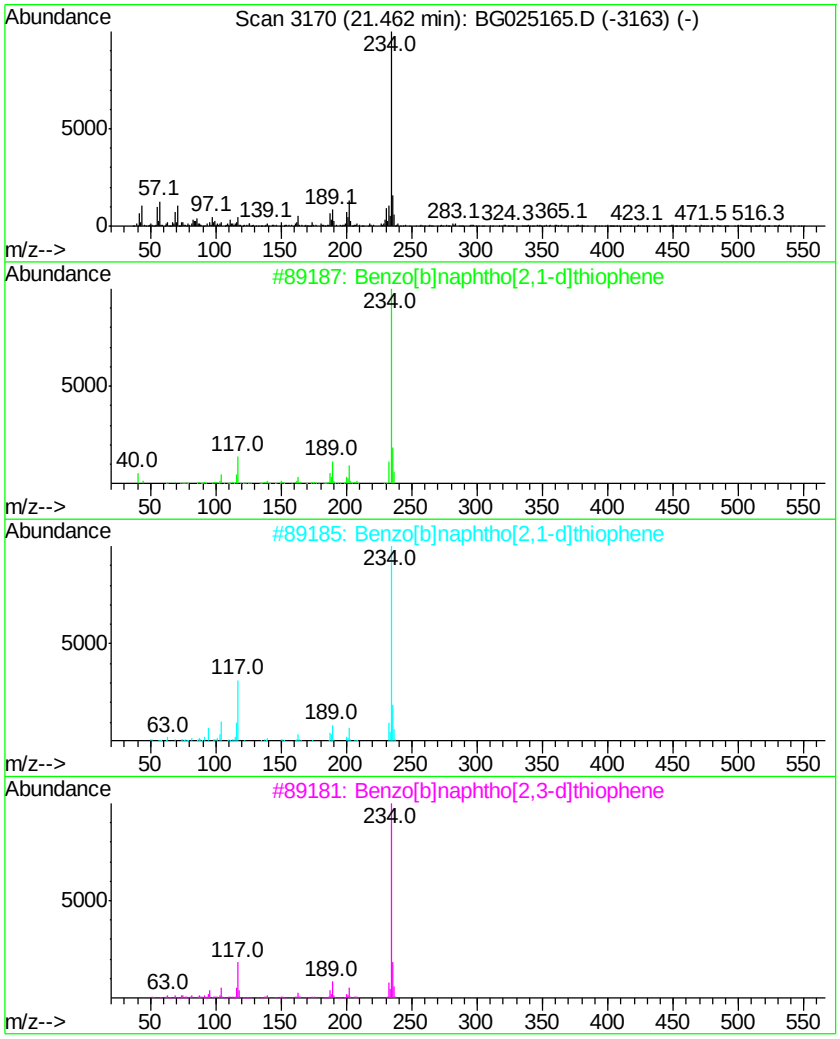
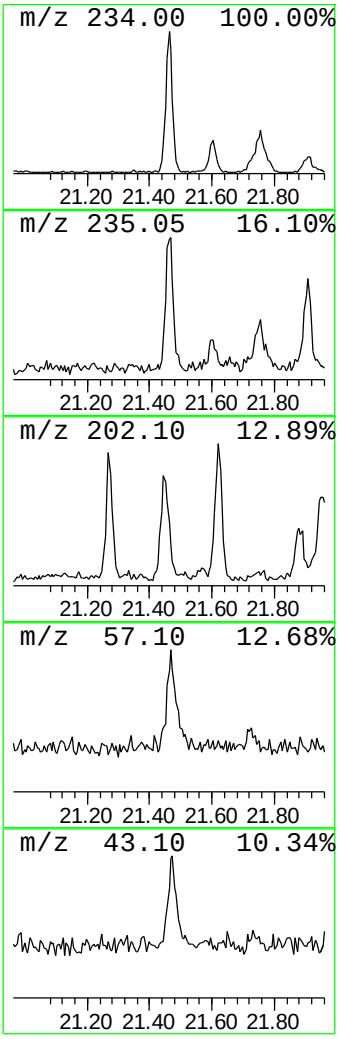
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	4.02 ng/ul	1076640	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	86
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121316\
Data File : BG025165.D
Acq On : 14 Dec 2016 4:01
Operator : UM/SJ
Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BACKGROUND05-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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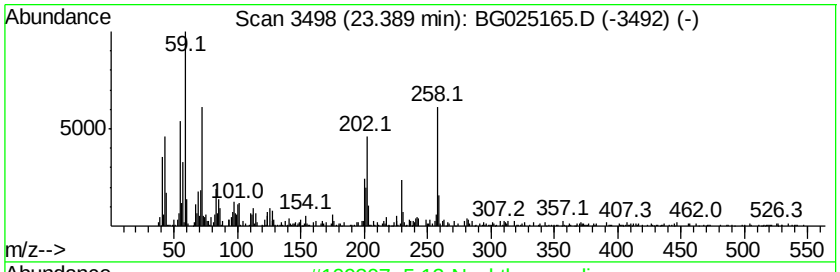
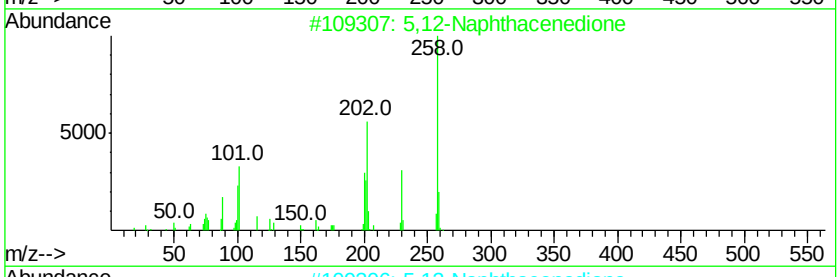
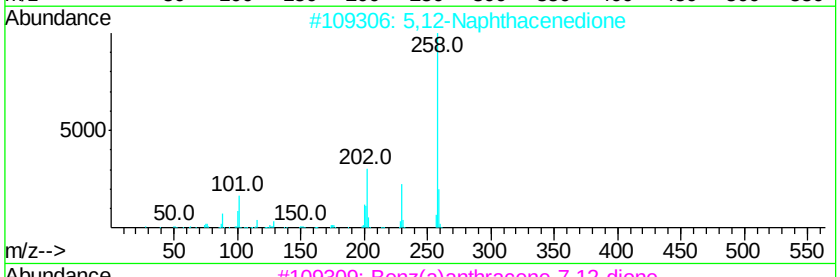
Peak Number 18 5,12-Naphthacenedione Concentration Rank 16

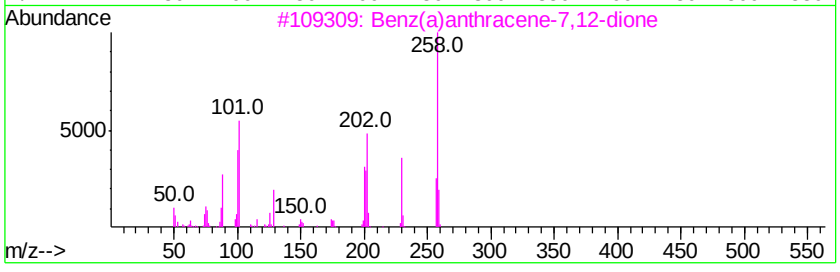
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.39	2.63 ng/ul	704736	Chrysene-d12	21.90

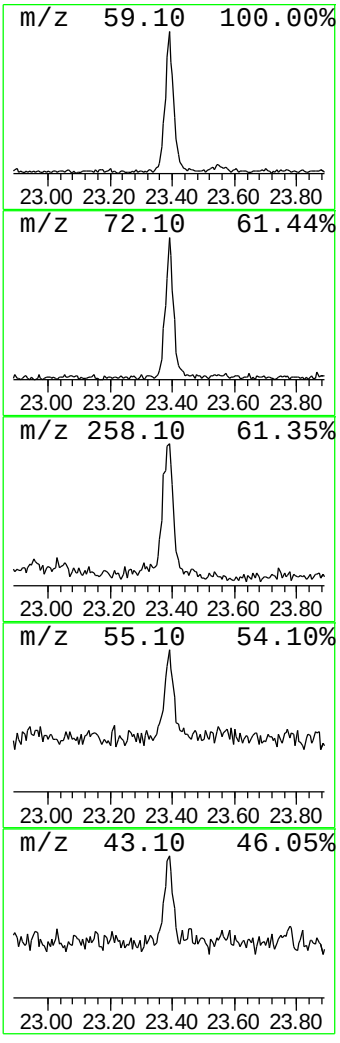
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	58
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	56
3	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	56
4	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	46
5	Tetradecanamide	227	C14H29NO	000638-58-4	38











Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121316\
Data File : BG025165.D
Acq On : 14 Dec 2016 4:01
Operator : UM/SJ
Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BACKGROUND05-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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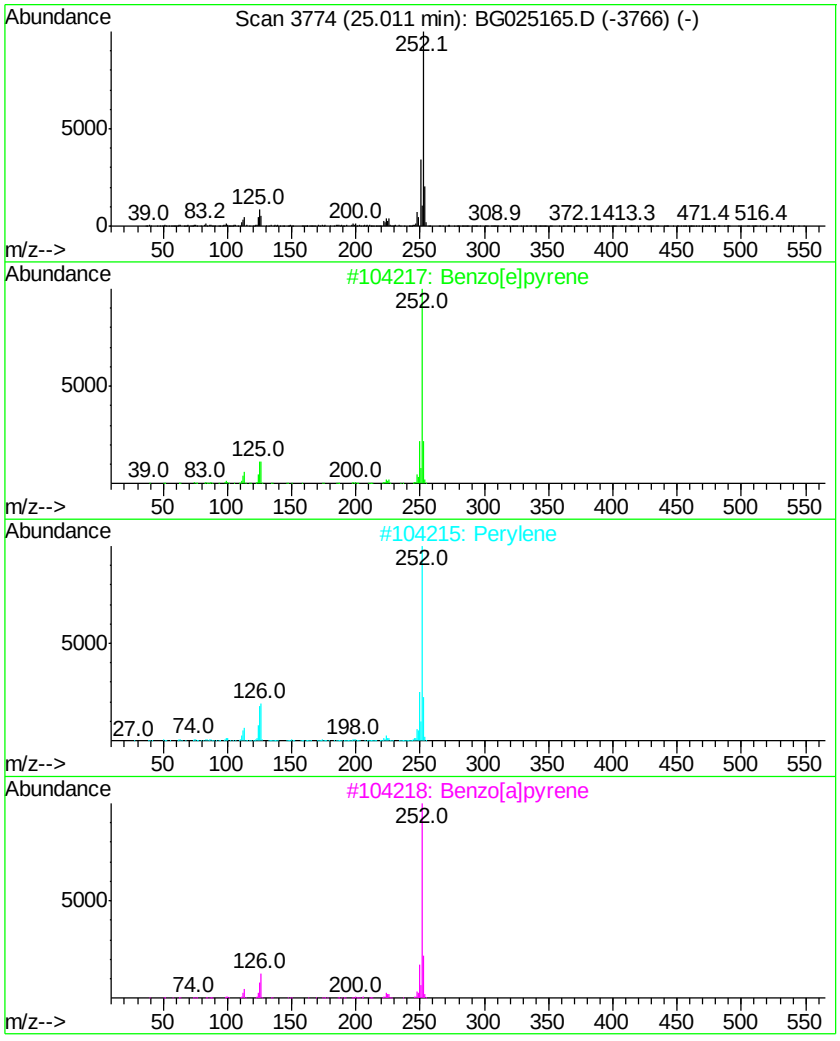
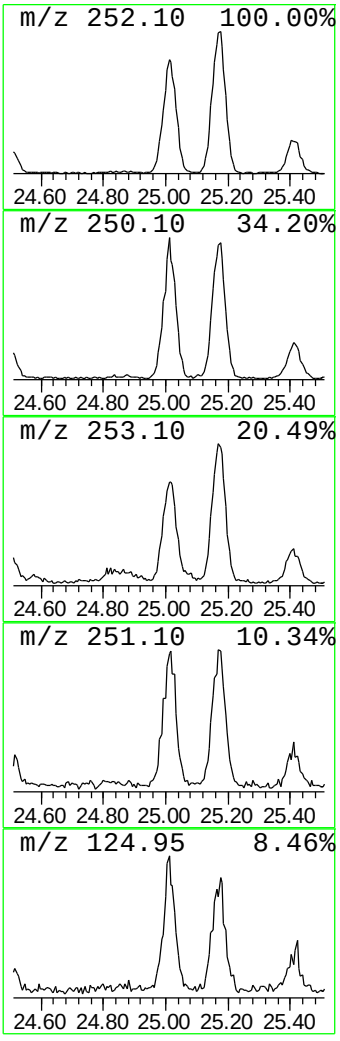
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.01	19.58 ng/ul	1965470	Perylene-d12	25.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Perylene	252	C20H12	000198-55-0	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121316\
Data File : BG025165.D
Acq On : 14 Dec 2016 4:01
Operator : UM/SJ
Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BACKGROUND05-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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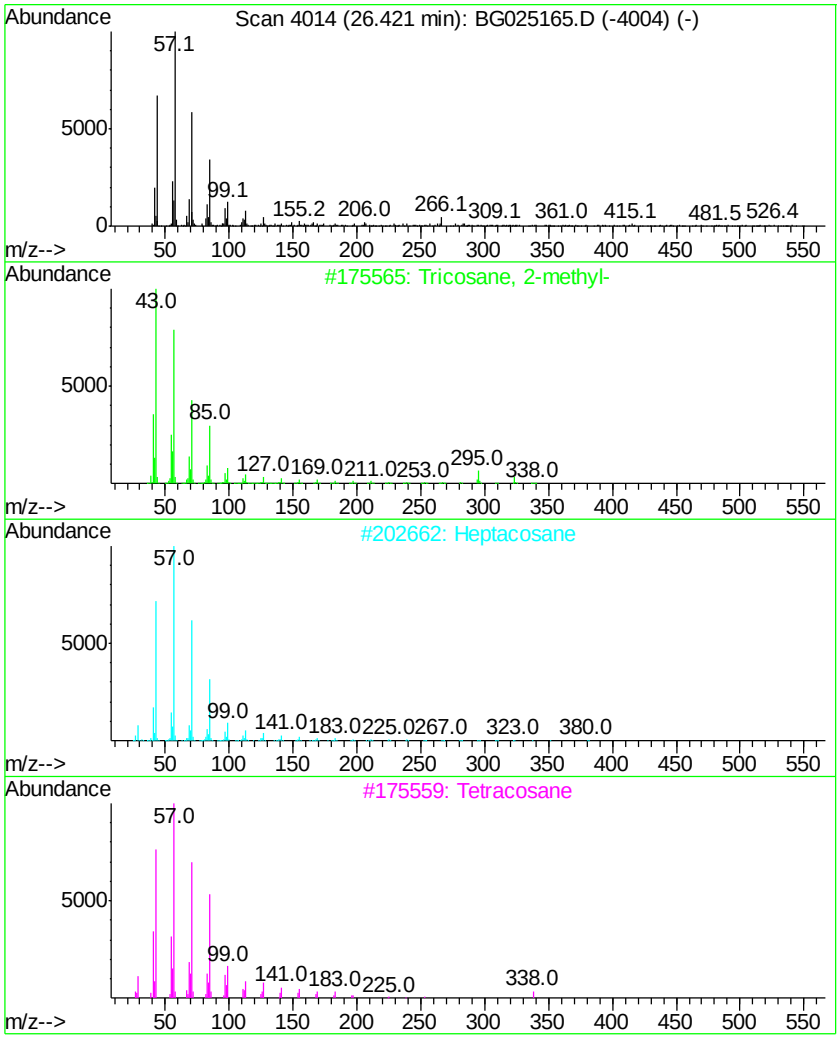
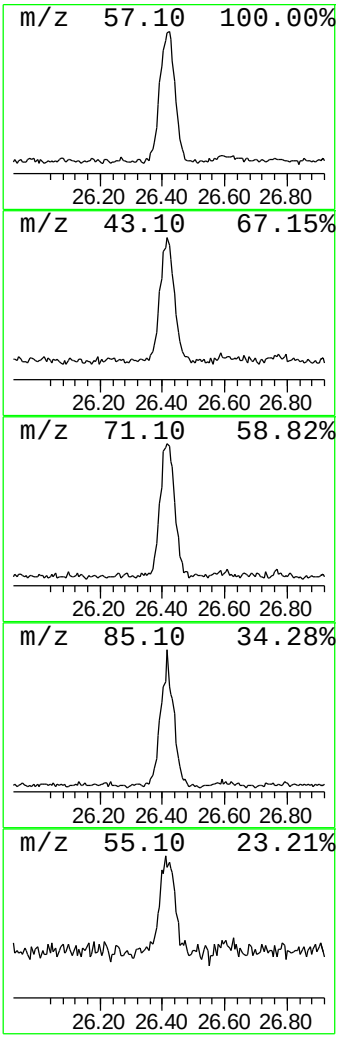
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.42	16.66 ng/ul	1672950	Perylene-d12	25.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane, 2-methyl-	338	C24H50	001928-30-9	90
2	Heptacosane	380	C27H56	000593-49-7	90
3	Tetracosane	338	C24H50	000646-31-1	81
4	Eicosane	282	C20H42	000112-95-8	78
5	Tetradecane	198	C14H30	000629-59-4	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025165.D
Acq On : 14 Dec 2016 4:01
Operator : UM/SJ
Sample : H5990-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BACKGROUND05-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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
3-Buten-2-one, 3-...	3.27	5.1	ng/ul	184671	1	8.24	720537	20.0
Propanoic acid, 2...	3.36	2.6	ng/ul	93263	1	8.24	720537	20.0
unknown-01	4.12	5.4	ng/ul	194875	1	8.24	720537	20.0
9H-Fluoren-9-one	17.26	2.1	ng/ul	195027	4	17.61	1846700	20.0
n-Hexadecanoic acid	18.45	6.8	ng/ul	626952	4	17.61	1846700	20.0
1H-Indene, 2-phenyl-	18.52	5.6	ng/ul	513912	4	17.61	1846700	20.0
4H-Cyclopenta[def...	18.67	9.6	ng/ul	889107	4	17.61	1846700	20.0
Naphthalene, 2-ph...	18.96	3.6	ng/ul	331651	4	17.61	1846700	20.0
9,10-Anthracenedione	19.02	10.2	ng/ul	941526	4	17.61	1846700	20.0
Cyclopenta(def)ph...	19.53	3.5	ng/ul	324880	4	17.61	1846700	20.0
Octadecanoic acid	19.70	4.5	ng/ul	416761	4	17.61	1846700	20.0
Pyrene, 1-methyl-	20.32	2.4	ng/ul	631113	5	21.90	5356060	20.0
11H-Benzo[a]fluorene	20.49	2.6	ng/ul	699846	5	21.90	5356060	20.0
11H-Benzo[a]fluor...	21.27	3.0	ng/ul	798910	5	21.90	5356060	20.0
Benzo[b]naphtho[2...	21.46	4.0	ng/ul	1076640	5	21.90	5356060	20.0
5,12-Naphthacened...	23.39	2.6	ng/ul	704736	5	21.90	5356060	20.0
Benzo[e]pyrene	25.01	19.6	ng/ul	1965470	6	25.33	2007840	20.0
(DEL) Alkane: Str...	26.42	16.7	ng/ul	1672950	6	25.33	2007840	20.0