LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.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	3.141	4	9	23	rVB	1210690	1732344	79.24%	5.162%
2	3.400	48	53	62	rVB4	12863	21884	1.00%	0.065%
3	4.052	159	164	168	rVB2	11419	16422	0.75%	0.049%
4	5.051	330	334	341	rVB3	11494	18404	0.84%	0.055%
5	7.107	677	684	701	rVB	238382	418742	19.15%	1.248%
6	7.266	701	711	726	rBV	191184	312005	14.27%	0.930%
7	7.477	739	747	753	rBV	241129	422589	19.33%	1.259%
8	7.536	753	757	771	rVB	20588	47181	2.16%	0.141%
9	7.941	816	826	834	rBV	255200	427981	19.58%	1.275%
10	8.646	939	946	959	rBV	296922	511785	23.41%	1.525%
11	9.093	1014	1022	1031	rBV	228167	396794	18.15%	1.182%
12	9.816	1133	1145	1159	rBV	187850	341000	15.60%	1.016%
13	10.356	1230	1237	1246	rBV	311276	561693	25.69%	1.674%
14	10.738	1294	1302	1309	rBV	369181	654807	29.95%	1.951%
15	10.867	1316	1324	1336	rBV	242321	473248	21.65%	1.410%
16	12.260	1552	1561	1567	rVB3	6135	12191	0.56%	0.036%
17	13.893	1834	1839	1843	rBV3	10093	16562	0.76%	0.049%
18	13.970	1843	1852	1857	rBV	585029	861027	39.38%	2.566%
19	14.017	1857	1860	1866	rVB	236728	326228	14.92%	0.972%
20	14.257	1894	1901	1918	rVB	708825	1126818	51.54%	3.358%
21	14.528	1941	1947	1948	rVV2	17735	24290	1.11%	0.072%
22	14.569	1948	1954	1961	rVV	616212	969941	44.37%	2.890%
23	14.628	1961	1964	1971	rVB2	15006	24264	1.11%	0.072%
24	14.763	1980	1987	2001	rBV2	127623	251973	11.53%	0.751%
25	14.968	2017	2022	2027	rVV	16512	28514	1.30%	0.085%
26	15.045	2030	2035	2042	rVV4	7633	12213	0.56%	0.036%
27	15.186	2051	2059	2064	rBV5	7308	14204	0.65%	0.042%
28	15.556	2115	2122	2128	rBV	900464	1395931	63.85%	4.160%
29	15.609	2128	2131	2136	rVV2	25984	41164	1.88%	0.123%
30	15.673	2136	2142	2151	rVV	168311	263443	12.05%	0.785%
31	15.797	2157	2163	2166	rVV4	11158	21416	0.98%	0.064%
32	15.908	2177	2182	2191	rVB2	13998	27491	1.26%	0.082%
33	16.061	2202	2208	2215	rVB3	12975	28547	1.31%	0.085%
34	16.290	2241	2247	2251	rVV6	11687	20704	0.95%	0.062%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Title : SVOA CALIBRATION

35	16.331	2251	2254	2261	rVB2	10164	17655	0.81%	0.053%
36	16.619	2299	2303	2308	rVB5	10121	18038	0.83%	0.054%
37	16.666	2308	2311	2318	rVB5	9171	15165	0.69%	0.045%
38	16.849	2334	2342	2346	rBV4	15426	32611	1.49%	0.097%
39	16.966	2357	2362	2369	rVB2	33889	59281	2.71%	0.177%
40	17.048	2371	2376	2382	rBV6	12881	35017	1.60%	0.104%
41	17.131	2386	2390	2395	rVB	19532	29320	1.34%	0.087%
42	17.313	2414	2421	2424	rBV	774866	1188917	54.38%	3.543%
43	17.354	2424	2428	2432	rVV	437716	639183	29.24%	1.905%
44	17.407	2432	2437	2449	rVB	997375	1533652	70.15%	4.570%
45	17.501	2449	2453	2459	rBV6	15020	26948	1.23%	0.080%
46	17.624	2471	2474	2478	rVB4	13167	16855	0.77%	0.050%
47	17.712	2478	2489	2493	rBV2	32658	75928	3.47%	0.226%
48	17.830	2505	2509	2513	rVB	18619	25152	1.15%	0.075%
49	17.888	2513	2519	2525	rBV4	23715	34973	1.60%	0.104%
50	18.029	2540	2543	2550	rVB3	10385	18882	0.86%	0.056%
51	18.106	2552	2556	2559	rBV2	12112	17118	0.78%	0.051%
52	18.188	2560	2570	2572	rBV	101409	157547	7.21%	0.469%
53	18.235	2574	2578	2587	rVB	136332	215395	9.85%	0.642%
54	18.312	2587	2591	2597	rVB	31368	46189	2.11%	0.138%
55	18.376	2597	2602	2606	rBV2	130090	240378	10.99%	0.716%
56	18.417	2606	2609	2614	rVB	82475	110563	5.06%	0.329%
57	18.500	2618	2623	2626	rBV7	11297	22754	1.04%	0.068%
58	18.535	2626	2629	2633	rVB5	12829	16732	0.77%	0.050%
59	18.582	2633	2637	2640	rVB4	13753	18704	0.86%	0.056%
60	18.682	2649	2654	2657	rBV	84137	121720	5.57%	0.363%
61	18.717	2657	2660	2667	rVB	93634	139302	6.37%	0.415%
62	18.805	2673	2675	2683	rBV6	10451	20058	0.92%	0.060%
63	18.899	2687	2691	2693	rVV5	15178	21584	0.99%	0.064%
64	18.928	2693	2696	2701	rVV3	40506	62747	2.87%	0.187%
65	18.981	2701	2705	2708	rVV	37072	53366	2.44%	0.159%
66	19.017	2708	2711	2715	rVB	32318	44626	2.04%	0.133%
67	19.099	2720	2725	2730	rBV2	114375	192998	8.83%	0.575%
68	19.158	2730	2735	2739	rBV5	34150	71755	3.28%	0.214%
69	19.234	2744	2748	2757	rVV	77902	140285	6.42%	0.418%
70	19.357	2764	2769	2776	rVB	939644	1354938	61.98%	4.037%
71	19.428	2777	2781	2783	rBV2	24555	34690	1.59%	0.103%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Title : SVOA CALIBRATION

72	19.457	2783	2786	2791	rVB3	28916	41903	1.92%	0.125%
73	19.510	2791	2795	2799	rBV	58740	75737	3.46%	0.226%
74	19.557	2799	2803	2807	rBV2	32200	58795	2.69%	0.175%
75	19.604	2809	2811	2813	rVB3	19729	14431	0.66%	0.043%
76	19.692	2820	2826	2829	rBV	1343764	2119703	96.96%	6.316%
77	19.722	2829	2831	2839	rVV	957530	1185192	54.21%	3.532%
78	19.798	2839	2844	2851	rVB2	58490	110680	5.06%	0.330%
79	19.921	2857	2865	2869	rBV2	140007	249202	11.40%	0.743%
80	20.051	2879	2887	2897	rBV4	100989	326269	14.92%	0.972%
81	20.186	2905	2910	2911	rBV3	65978	110714	5.06%	0.330%
82	20.215	2911	2915	2919	rVB	143802	210476	9.63%	0.627%
83	20.315	2928	2932	2936	rBV	58382	83583	3.82%	0.249%
84	20.374	2936	2942	2946	rVV2	128391	209327	9.57%	0.624%
85	20.509	2962	2965	2969	rBV	85789	109543	5.01%	0.326%
86	20.556	2969	2973	2977	rVV	88113	120033	5.49%	0.358%
87	20.615	2979	2983	2987	rVB	84353	103012	4.71%	0.307%
88	20.961	3038	3042	3050	rVB	126789	215660	9.86%	0.643%
89	21.144	3067	3073	3077	rBV2	74275	179622	8.22%	0.535%
90	21.185	3077	3080	3083	rVV	93826	140559	6.43%	0.419%
91	21.220	3083	3086	3093	rVV4	366706	645928	29.54%	1.925%
92	21.290	3094	3098	3107	rVB	116445	218453	9.99%	0.651%
93	21.555	3135	3143	3147	rBV2	1007475	2186258	100.00%	6.515%
94	21.602	3147	3151	3159	rVB	438995	747313	34.18%	2.227%
95	22.342	3272	3277	3279	rBV2	68452	128054	5.86%	0.382%
96	23.682	3497	3505	3512	rBV	343909	1094034	50.04%	3.260%
97	24.375	3617	3623	3628	rBV2	175781	434073	19.85%	1.293%
98	24.451	3628	3636	3642	rVV	648671	1718860	78.62%	5.122%
99	24.510	3643	3646	3657	rVB	298397	679893	31.10%	2.026%
100	24.663	3663	3672	3679	rBV2	498053	1347411	61.63%	4.015%

Sum of corrected areas: 33559544

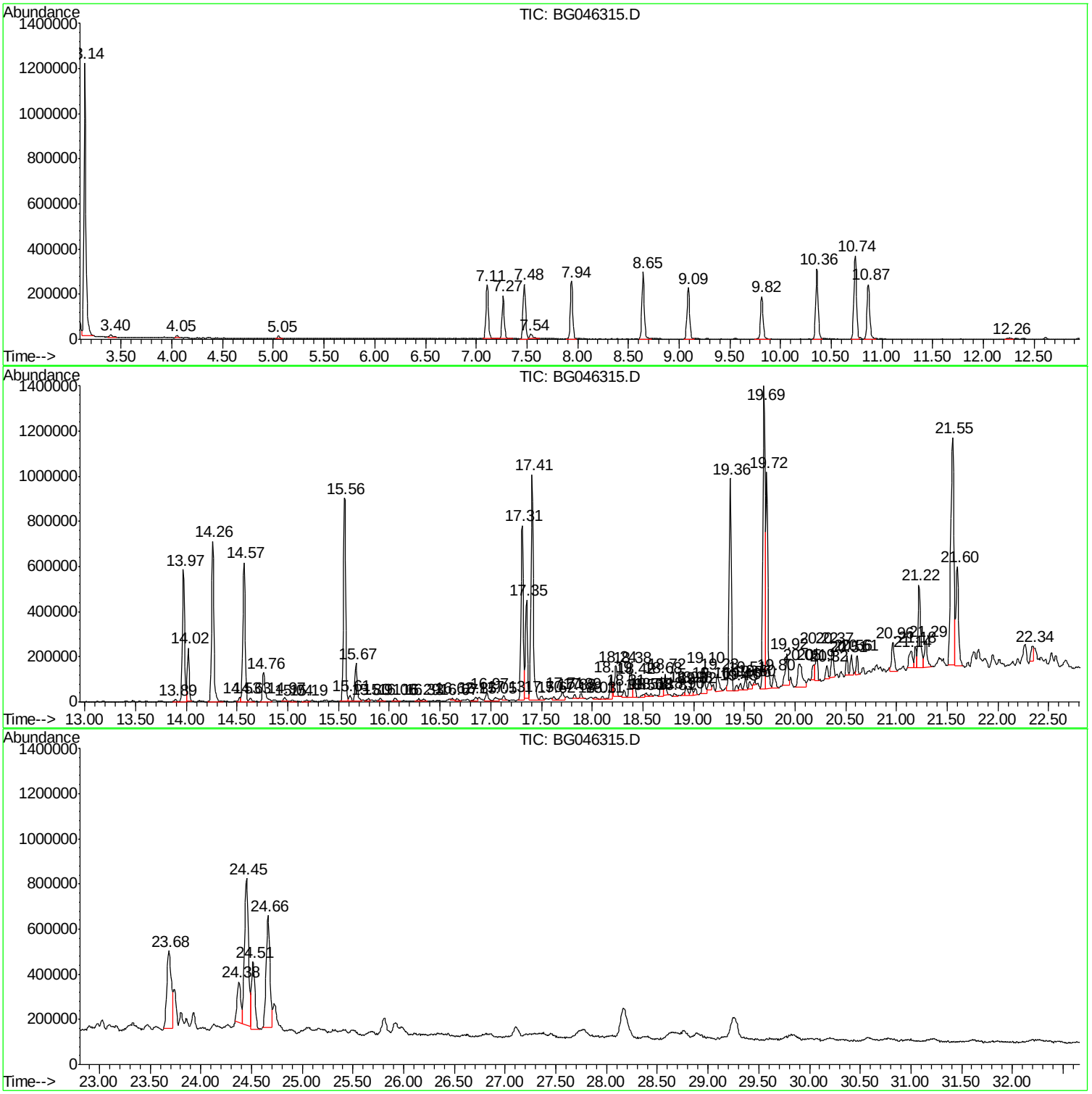
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

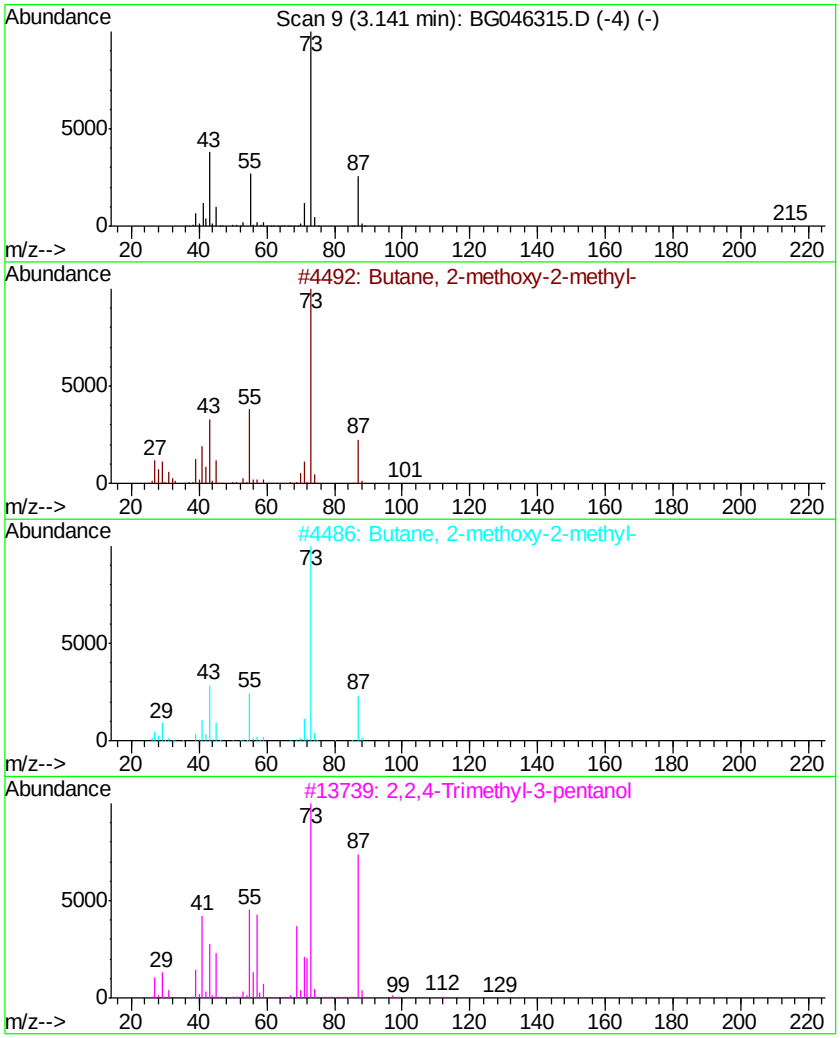
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

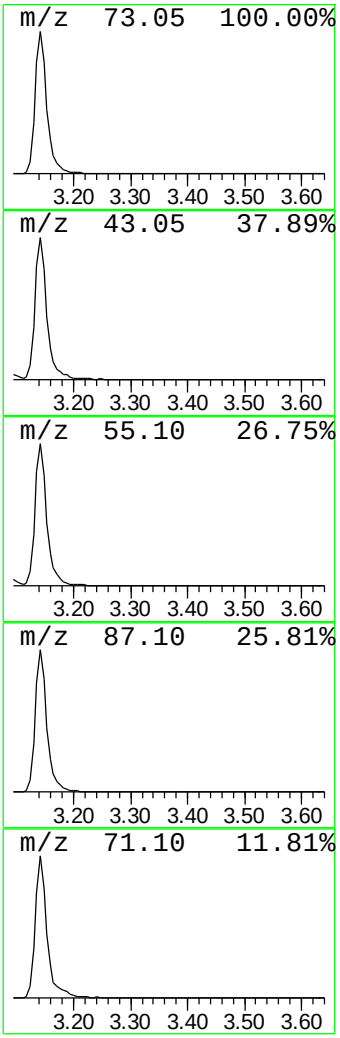
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	80.95 ng/ul	1732340	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

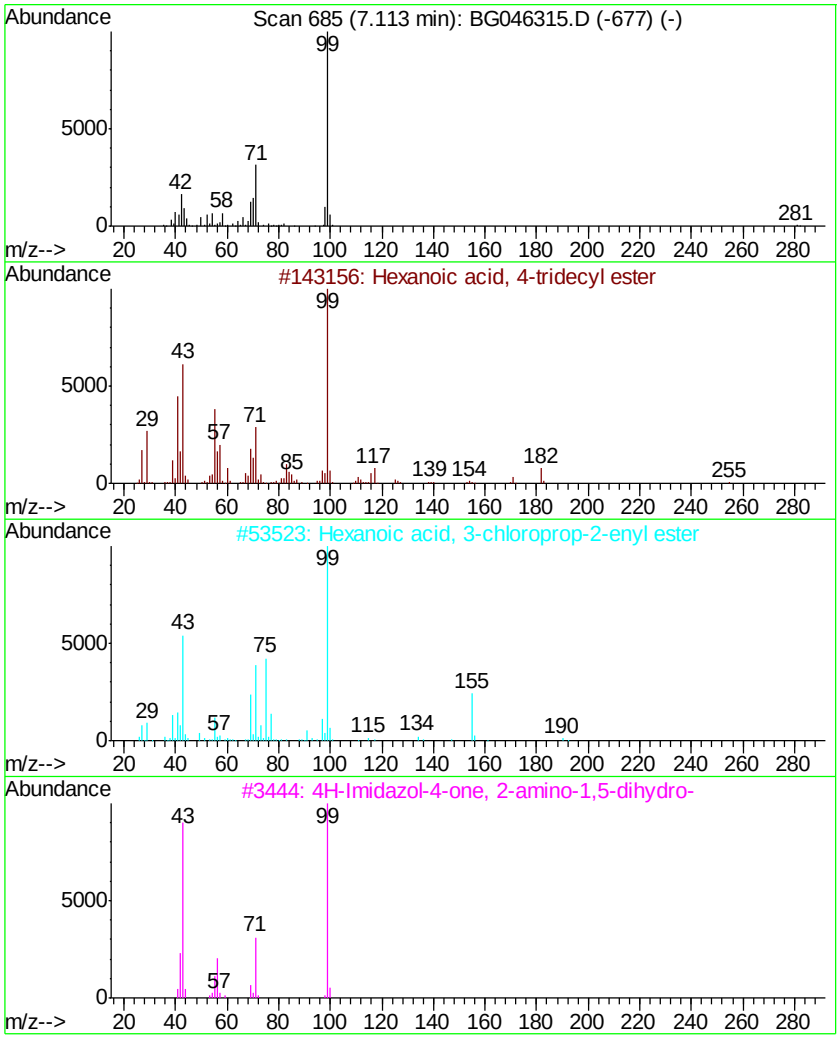
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

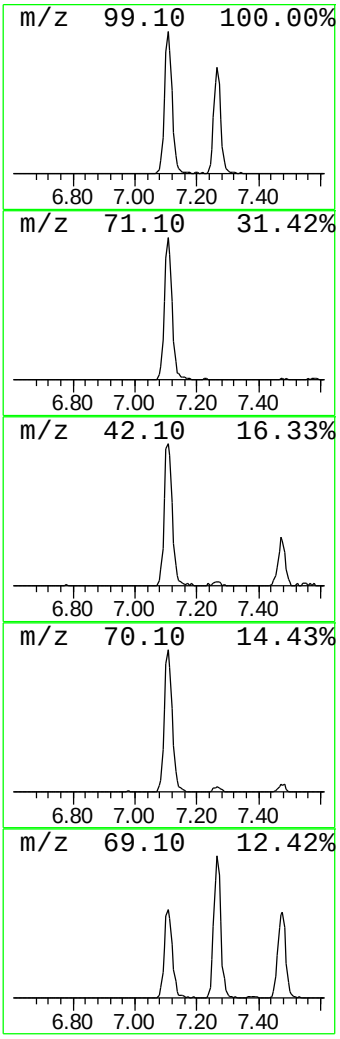
****

Peak Number 2 Hexanoic acid, 4-tridecyl e... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	19.57 ng/ul	418742	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 4-tridecyl ester	298	C19H38O2	1000279-29-3	64
2	Hexanoic acid, 3-chloroprop-2-en...	190	C9H15ClO2	1000299-36-1	59
3	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	59
4	2H-Pyran-2-one, tetrahydro-6-octyl-	212	C13H24O2	007370-92-5	56
5	Hexanoic acid, 5-tridecyl ester	298	C19H38O2	1000279-29-4	56





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

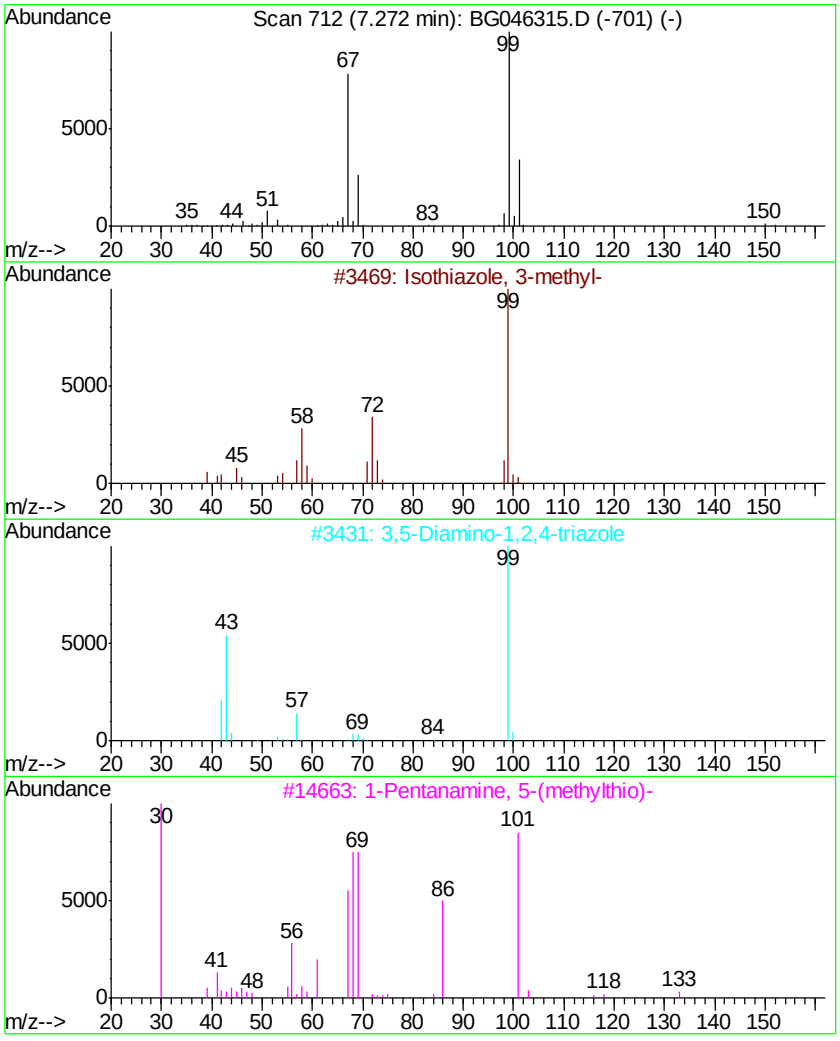
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

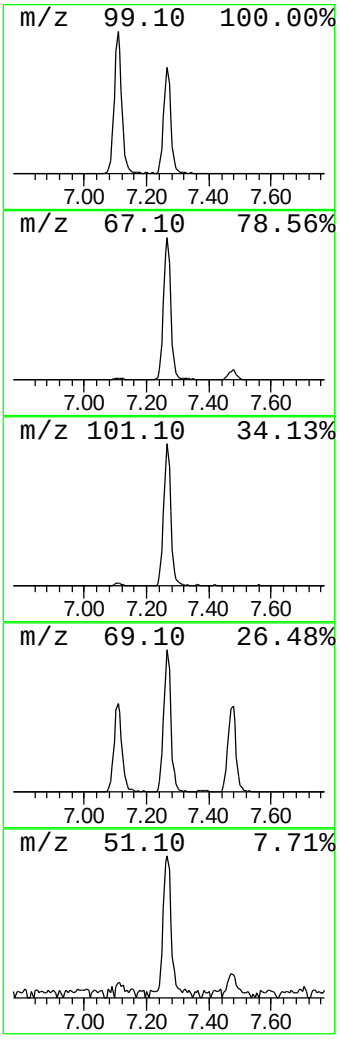
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	14.58 ng/ul	312005	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
2	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
3	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9
4	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	5
5	Succinimide	99	C4H5NO2	000123-56-8	5





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

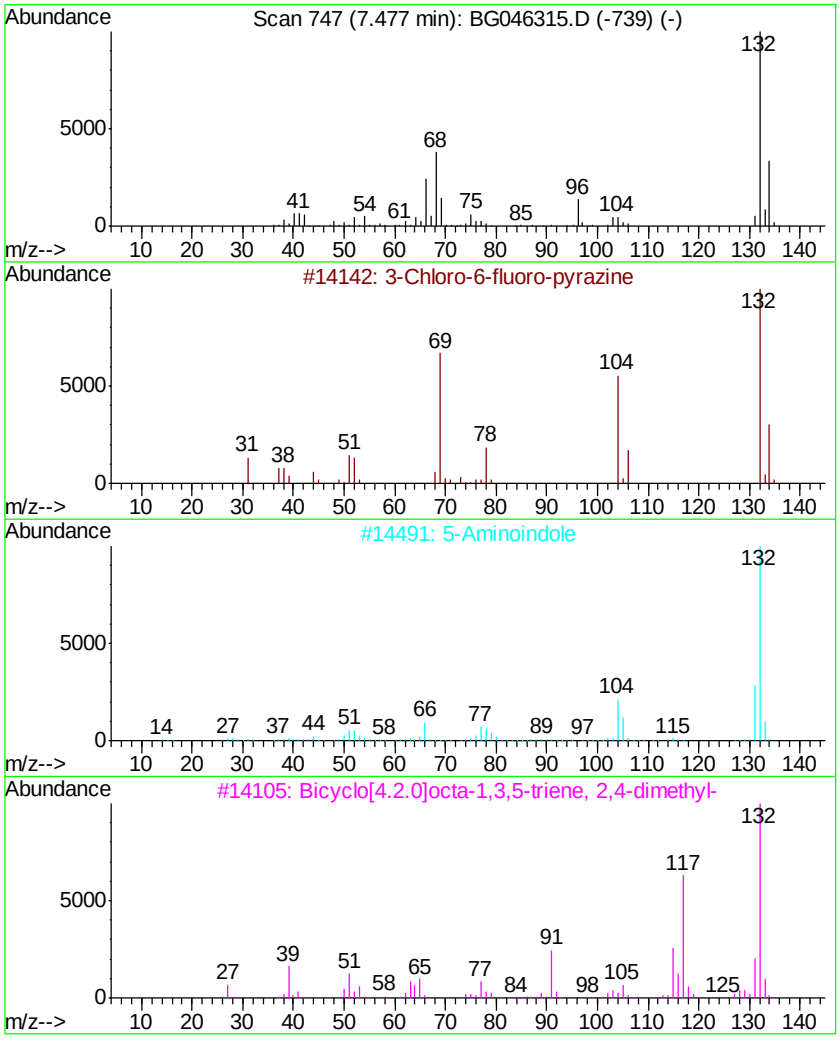
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

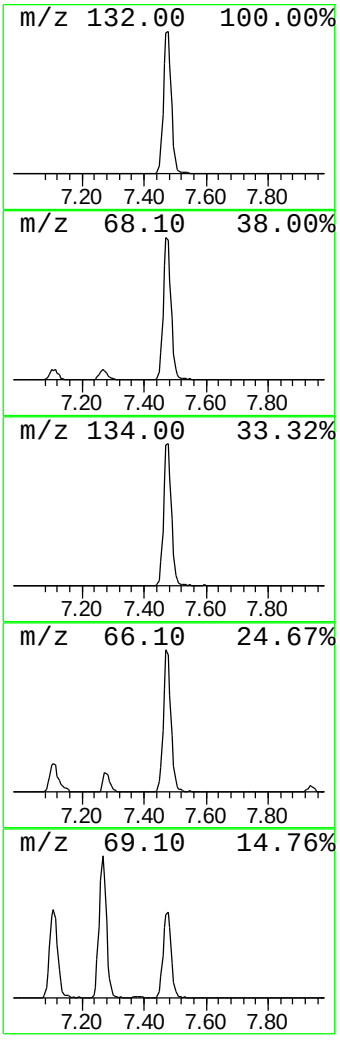
****

Peak Number 4 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	19.75 ng/ul	422589	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Aminoindole	132	C8H8N2	005192-03-0	27
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	1H-Tetrazaborole, 5-chloro-4,5-d...	132	C2H6BClN4	021960-49-6	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

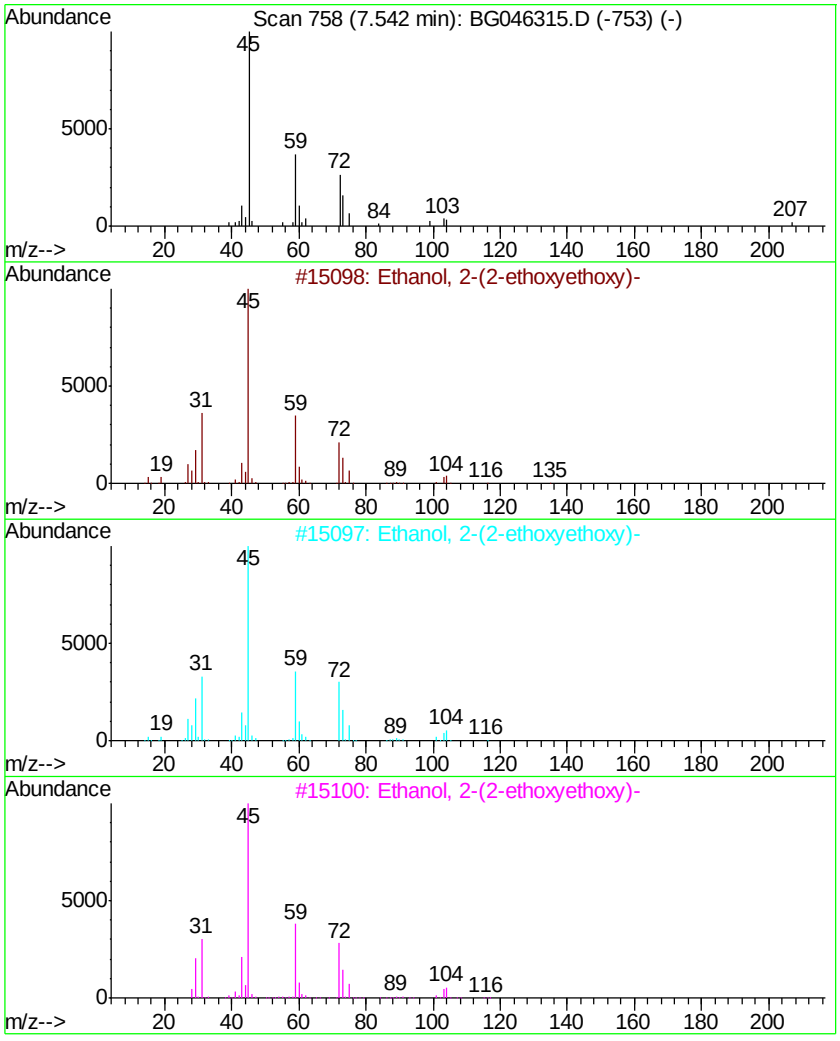
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

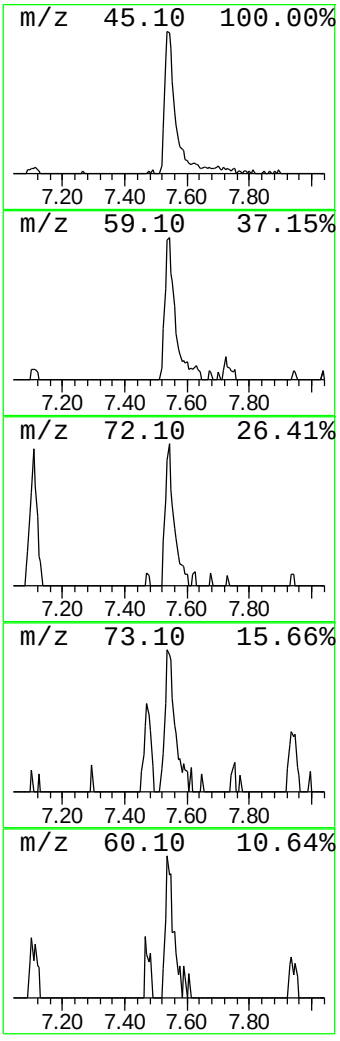
****

Peak Number 5 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	2.20 ng/ul	47181	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	83
2	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	78
3	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	78
4	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	78
5	Diethyl carbitol	162	C8H18O3	000112-36-7	64





Library Search Compound Report

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Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

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Quant Title : SVOA CALIBRATION

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

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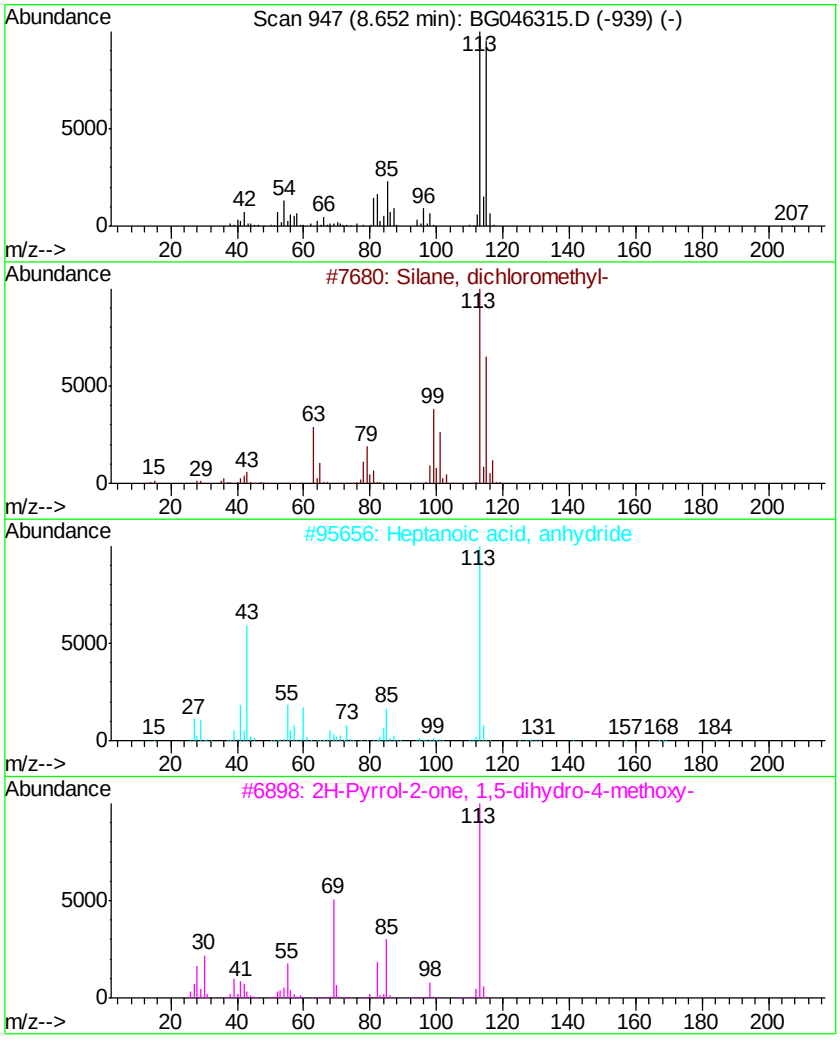
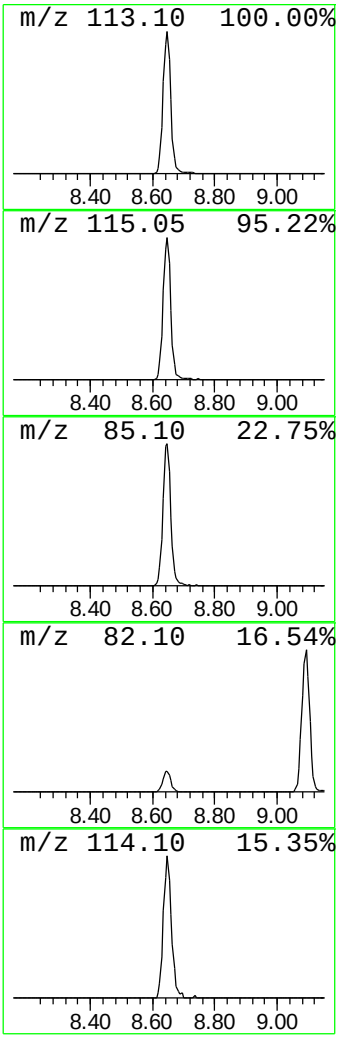
Peak Number 6 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	23.92 ng/ul	511785	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	38
2	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	32
3	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32
4	2,2-Dimethylcyclopropanecarboxamide	113	C6H11NO	075885-58-4	27
5	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	25





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Instrument : BNA_G
ClientSampleId : BFM93

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Quant Title : SVOA CALIBRATION

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

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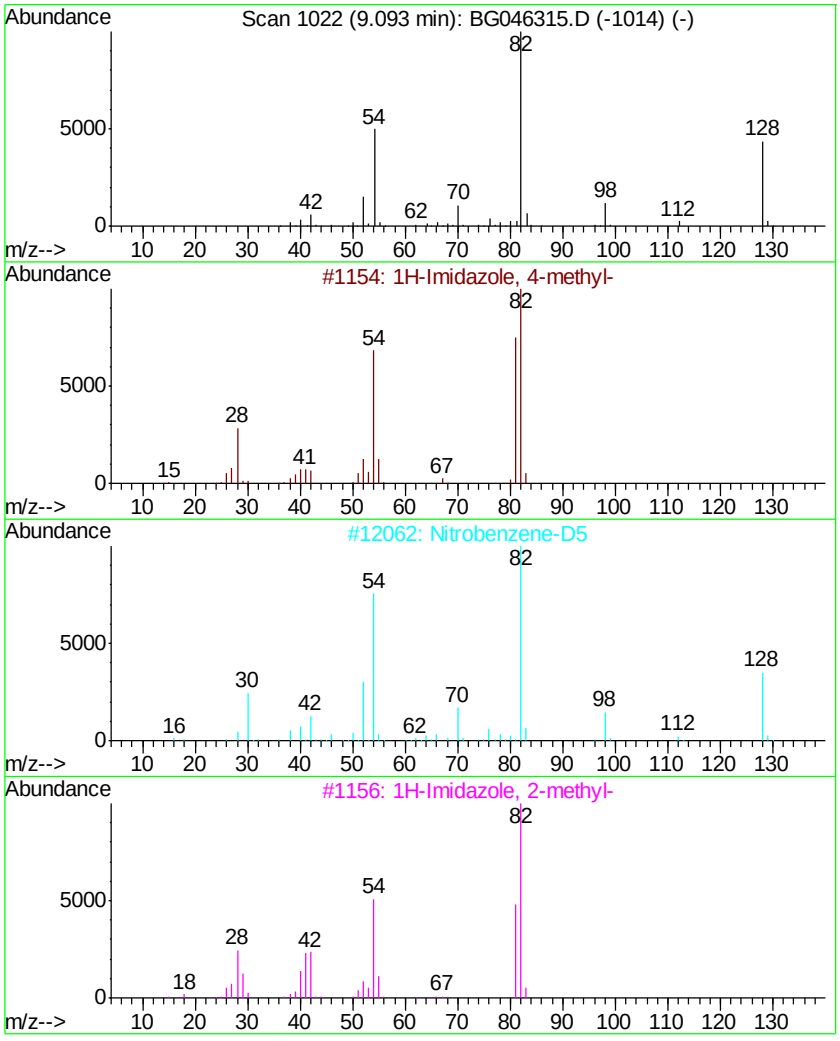
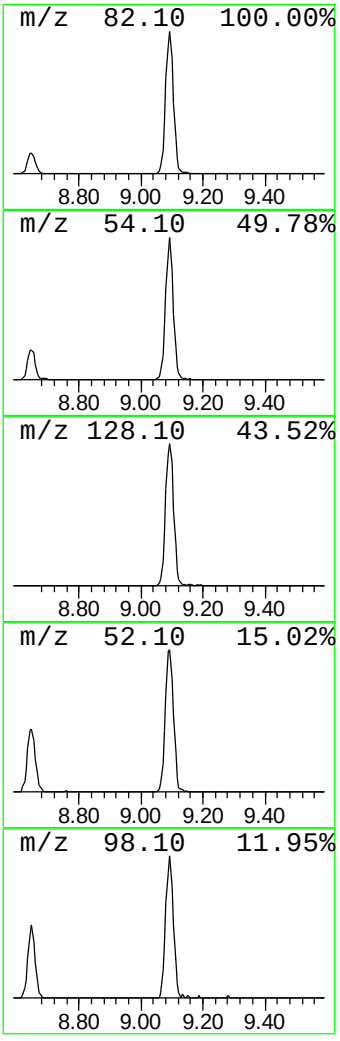
Peak Number 7 1H-Imidazole, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	18.54 ng/ul	396794	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	50
2	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	38
3	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	33
4	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	12
5	Dehydromevalonic lactone	112	C6H8O2	002381-87-5	9





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Quant Title : SVOA CALIBRATION

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

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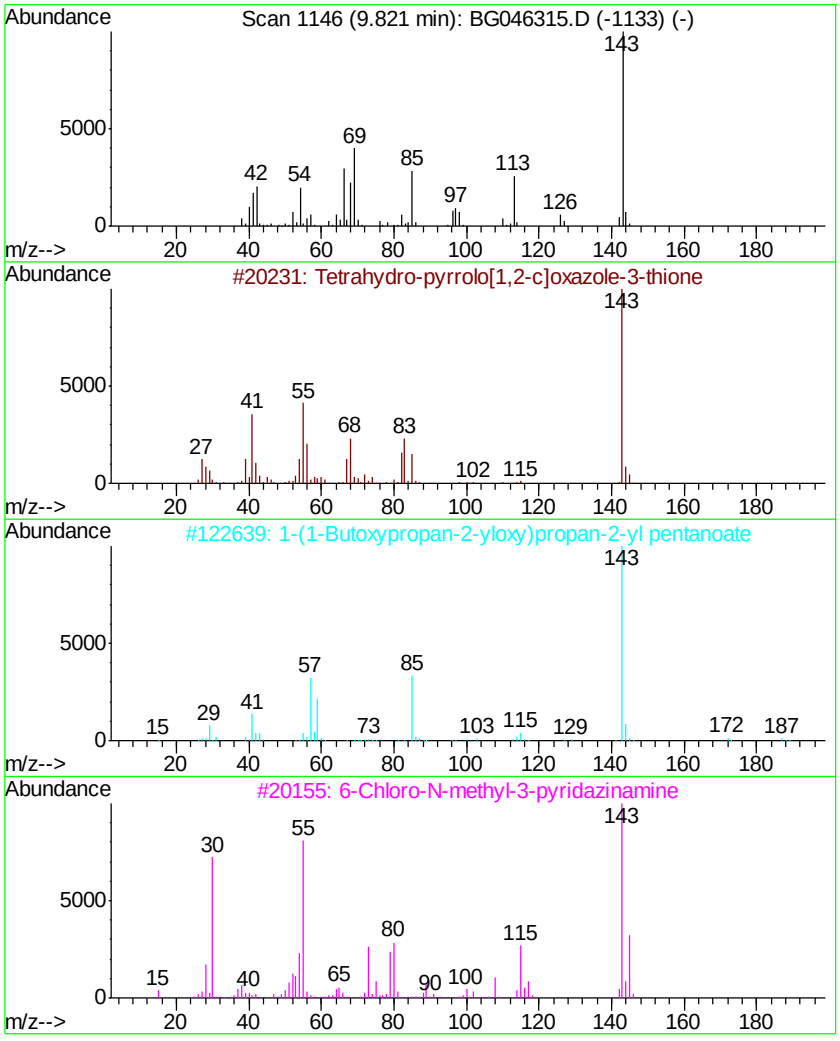
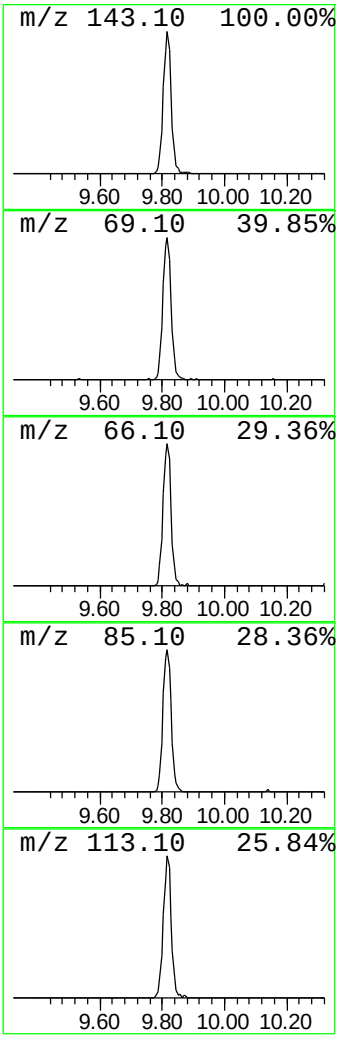
Peak Number 8 unknown-04 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	10.42 ng/ul	341000	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydro-pyrrolo[1,2-c]oxazole...	143	C6H9NOS	1000190-53-6	17
2	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-13-0	12
3	6-Chloro-N-methyl-3-pyridazinamine	143	C5H6ClN3	014959-32-1	12
4	Glutaric acid, ethyl 4-heptyl ester	258	C14H26O4	1000359-45-2	10
5	2,3-Dimethyl-5-methylamino-1,3,4...	143	C5H9N3S	1000288-97-2	10





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Instrument : BNA_G
ClientSampleId : BFM93

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Quant Title : SVOA CALIBRATION

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

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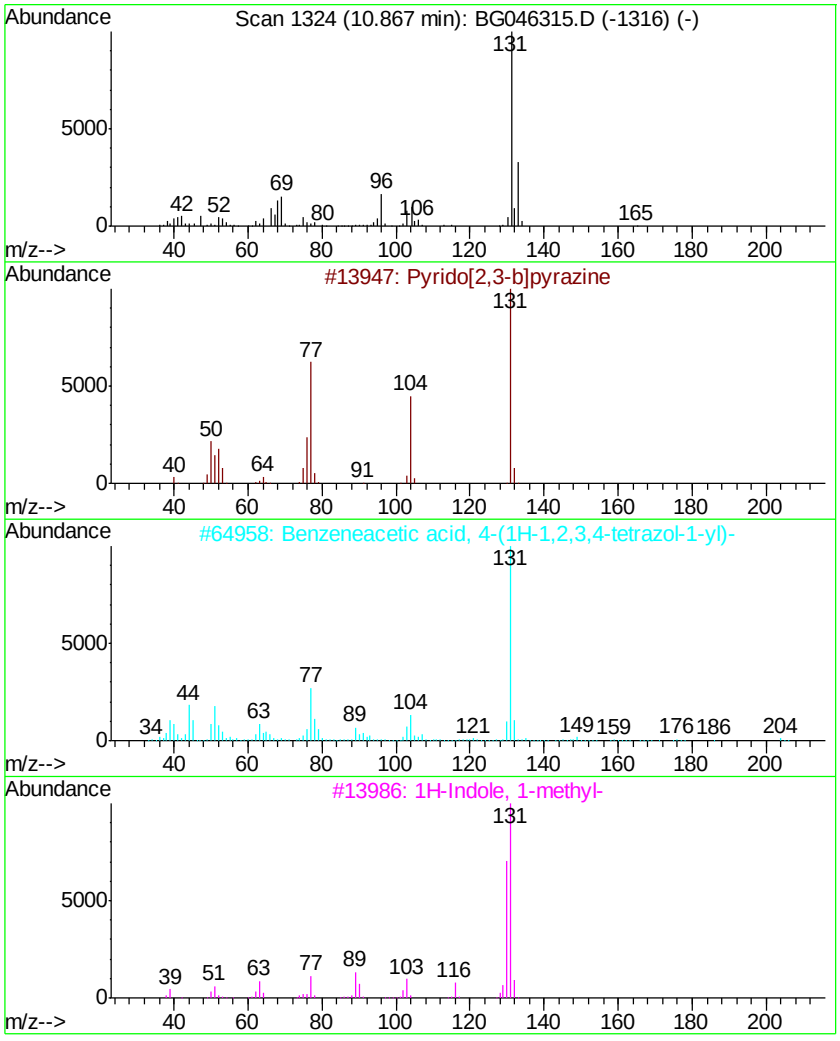
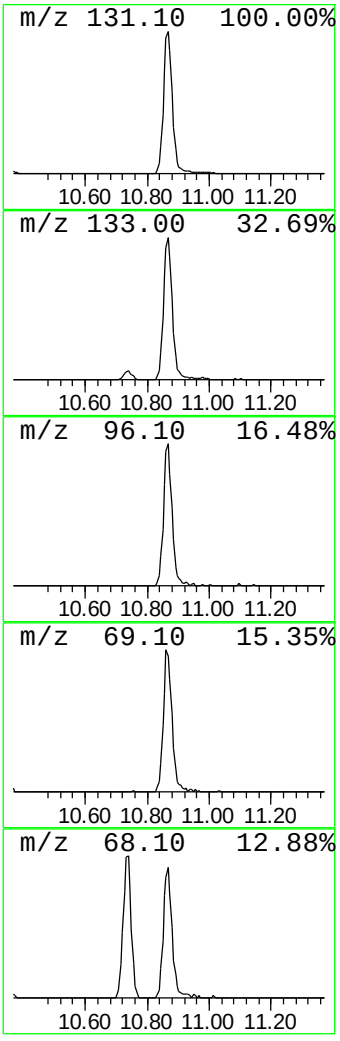
Peak Number 9 unknown-05 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	14.45 ng/ul	473248	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	38
2	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
3	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28
4	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	9
5	4-Pyrimidinamine, 2,6-difluoro-	131	C4H3F2N3	000675-12-7	9





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ALS Vial : 22 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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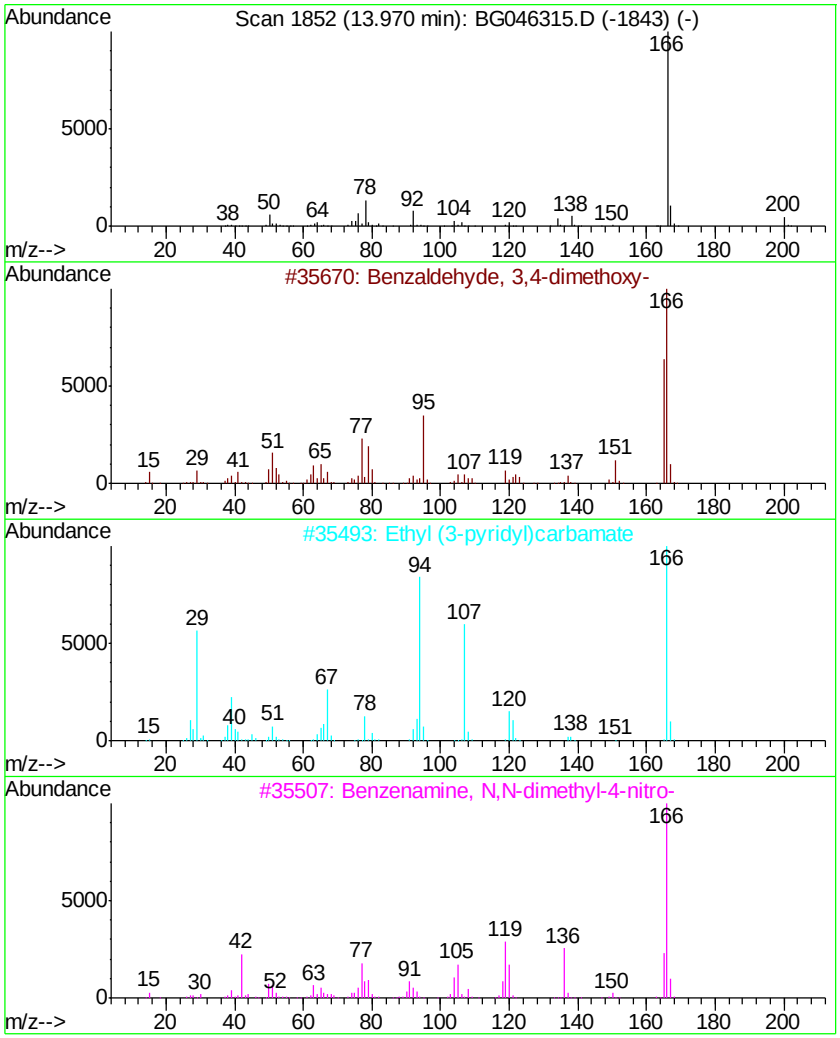
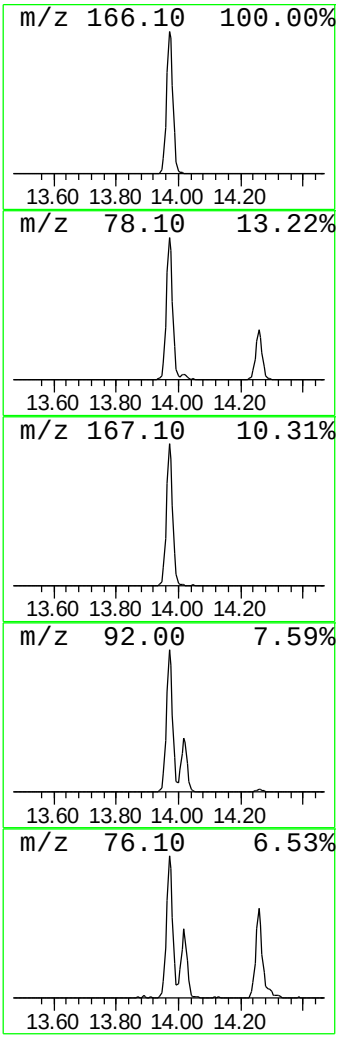
Peak Number 10 unknown-06 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	17.75 ng/ul	861027	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,4-dimethoxy-	166	C9H10O3	000120-14-9	45
2	Ethyl (3-pyridyl)carbamate	166	C8H10N2O2	006276-11-5	39
3	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38
4	3,5-Diamino-2-methylbenzoic acid	166	C8H10N2O2	090007-30-0	36
5	Benzo[b]tetrahydrofuran-3-one, 5...	166	C8H6O4	014771-00-7	9





Library Search Compound Report

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Sample : L3632-15
Misc :
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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 Dimethyl phthalate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	6.73 ng/ul	326228	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl phthalate	194	C10H10O4	000131-11-3	95
2	Dimethyl phthalate	194	C10H10O4	000131-11-3	95
3	Dimethyl phthalate	194	C10H10O4	000131-11-3	92
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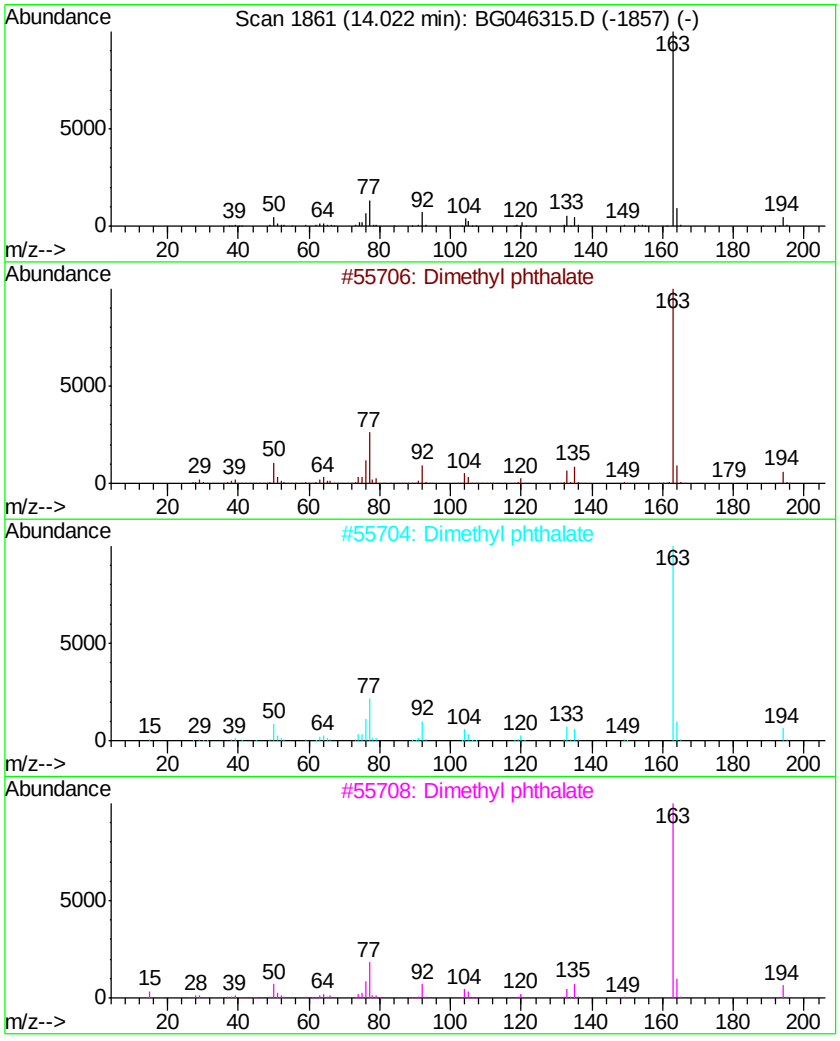
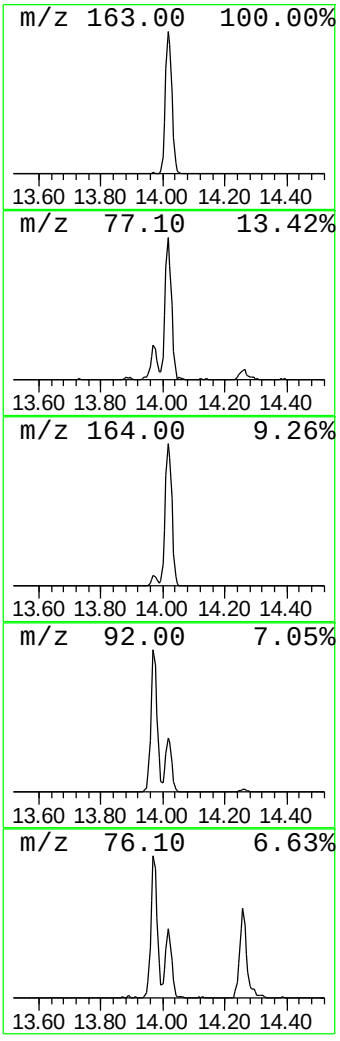
5	Dimethyl phthalate	194	C10H10O4	000131-11-3	91





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Sample : L3632-15
Misc :
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Instrument : BNA_G
ClientSampleId : BFM93

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Quant Title : SVOA CALIBRATION

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

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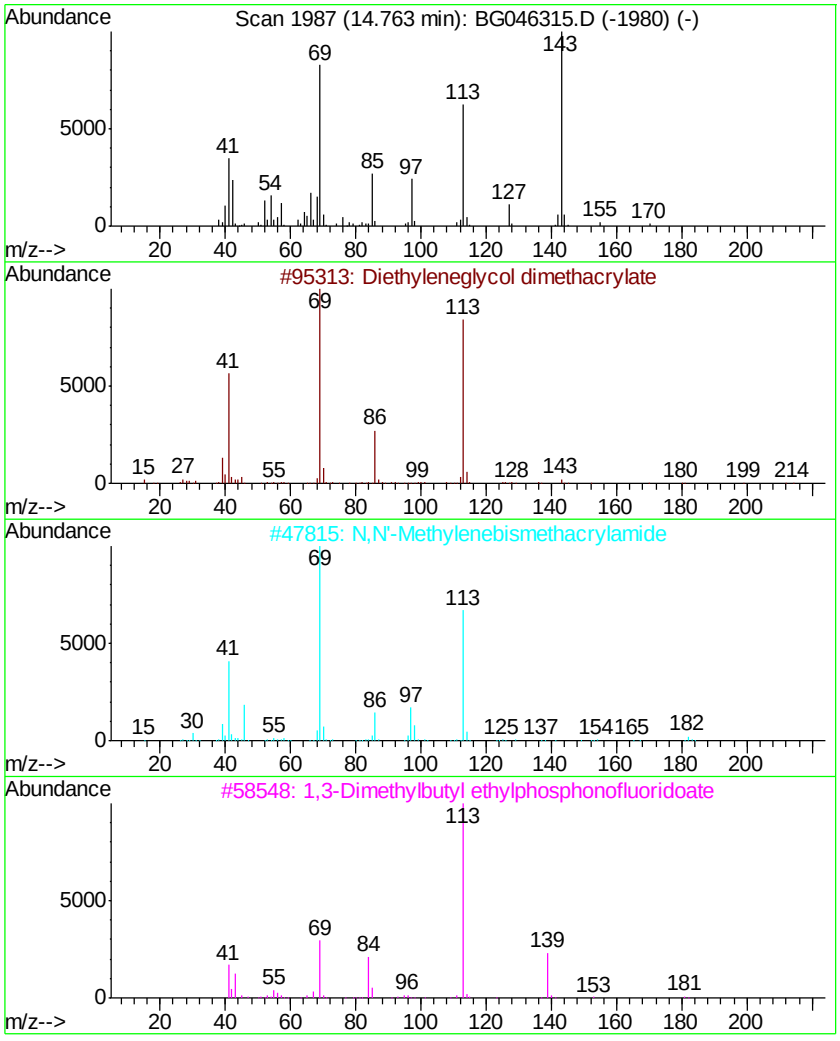
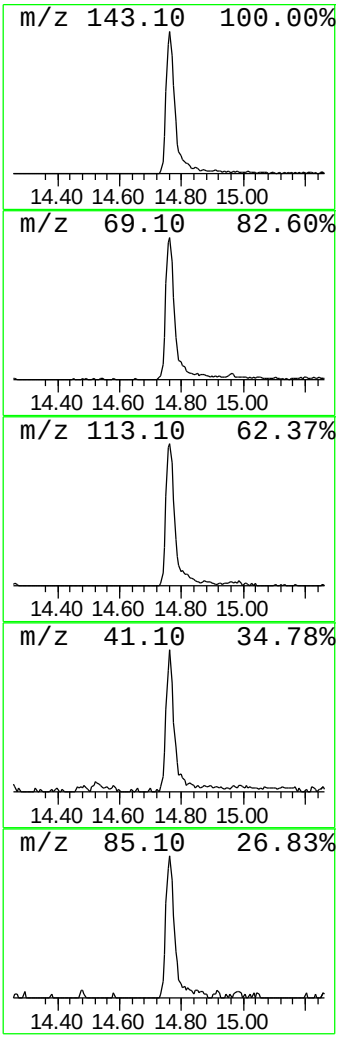
Peak Number 12 unknown-07 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	5.20 ng/ul	251973	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyleneglycol dimethacrylate	242	C12H18O5	002358-84-1	25
2	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	25
3	1,3-Dimethylbutyl ethylphospho...	196	C8H18FO2P	1000298-32-2	23
4	Cyclopentanecarboxylic acid, eth...	140	C8H12O2	016523-06-1	22
5	1H-Imidazole, 2-ethyl-4,5-dihydro-	98	C5H10N2	000930-52-9	16





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Misc :
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Instrument : BNA_G
ClientSampleId : BFM93

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Quant Title : SVOA CALIBRATION

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

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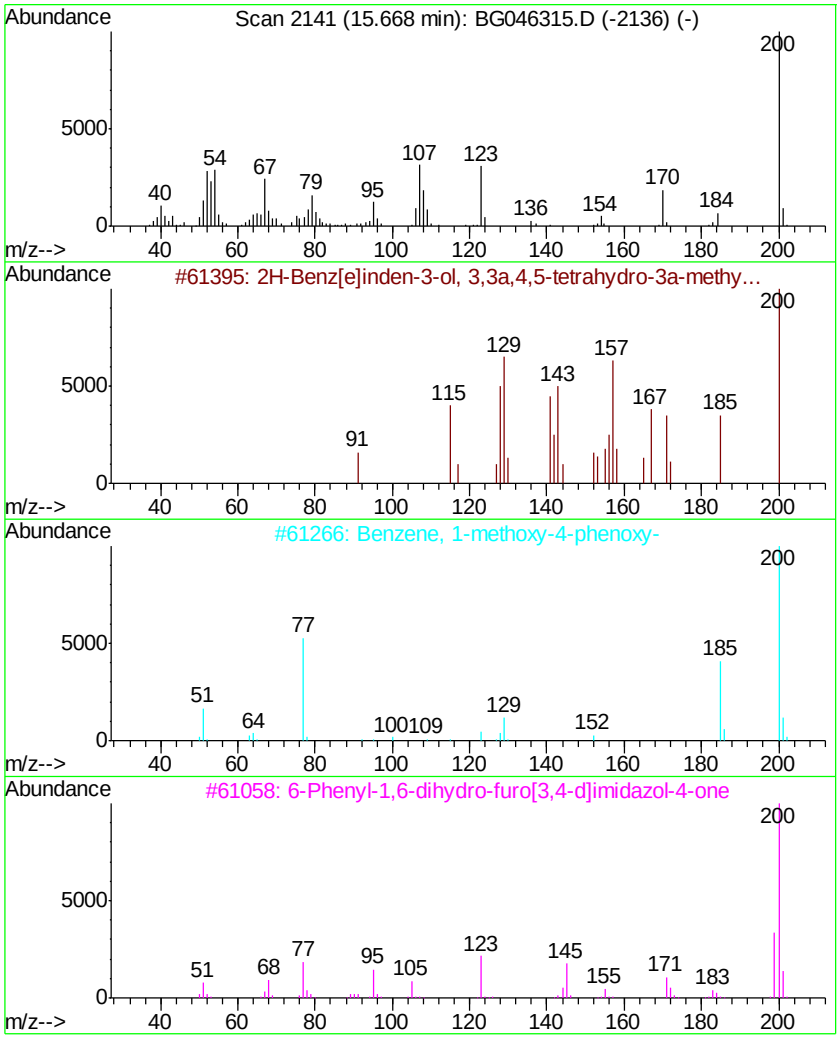
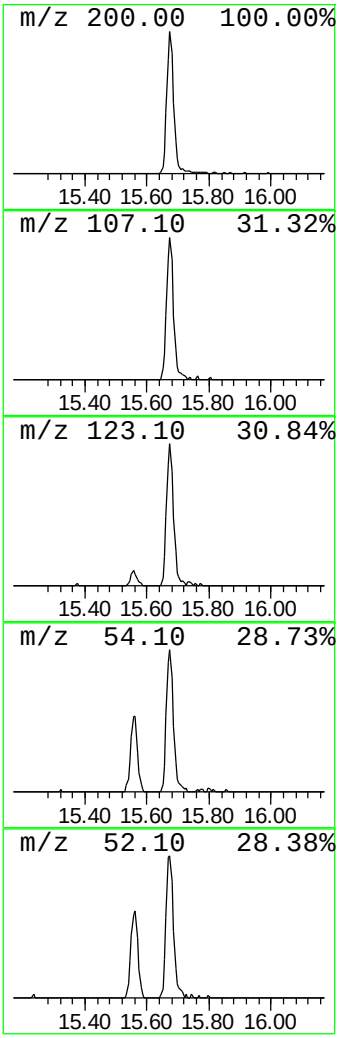
Peak Number 13 unknown-08 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	5.43 ng/ul	263443	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	35
2	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	14
3	6-Phenyl-1,6-dihydro-furo[3,4-d]...	200	C11H8N2O2	313263-12-6	12
4	1,3-Benzenediol, 4-(phenylmethyl)-	200	C13H12O2	002284-30-2	12
5	1-Hydroxy-4-methyl-2-oxo-1,2-dih...	200	C11H8N2O2	021771-74-4	10





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Quant Title : SVOA CALIBRATION

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

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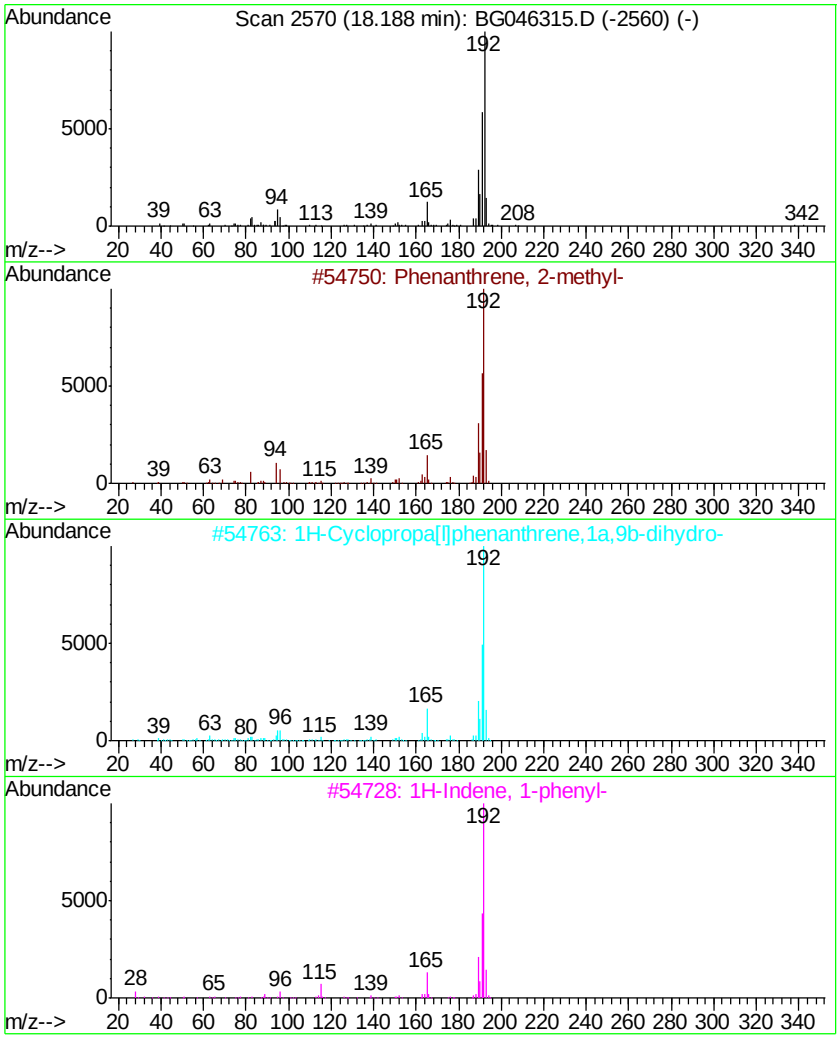
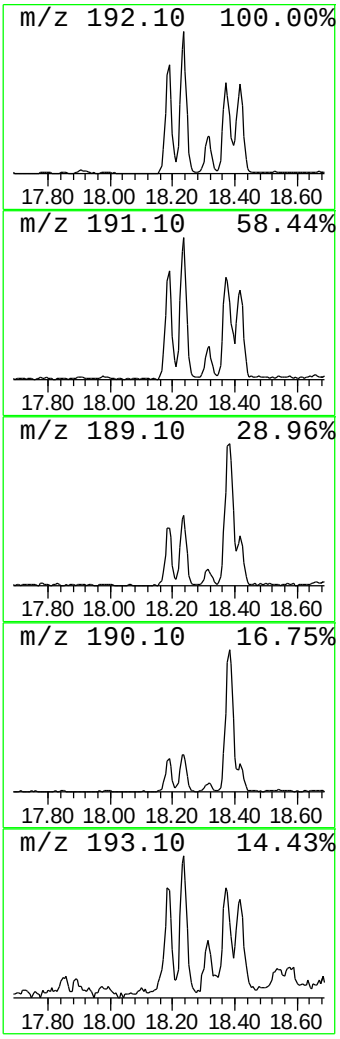
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	2.65 ng/ul	157547	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Quant Title : SVOA CALIBRATION

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

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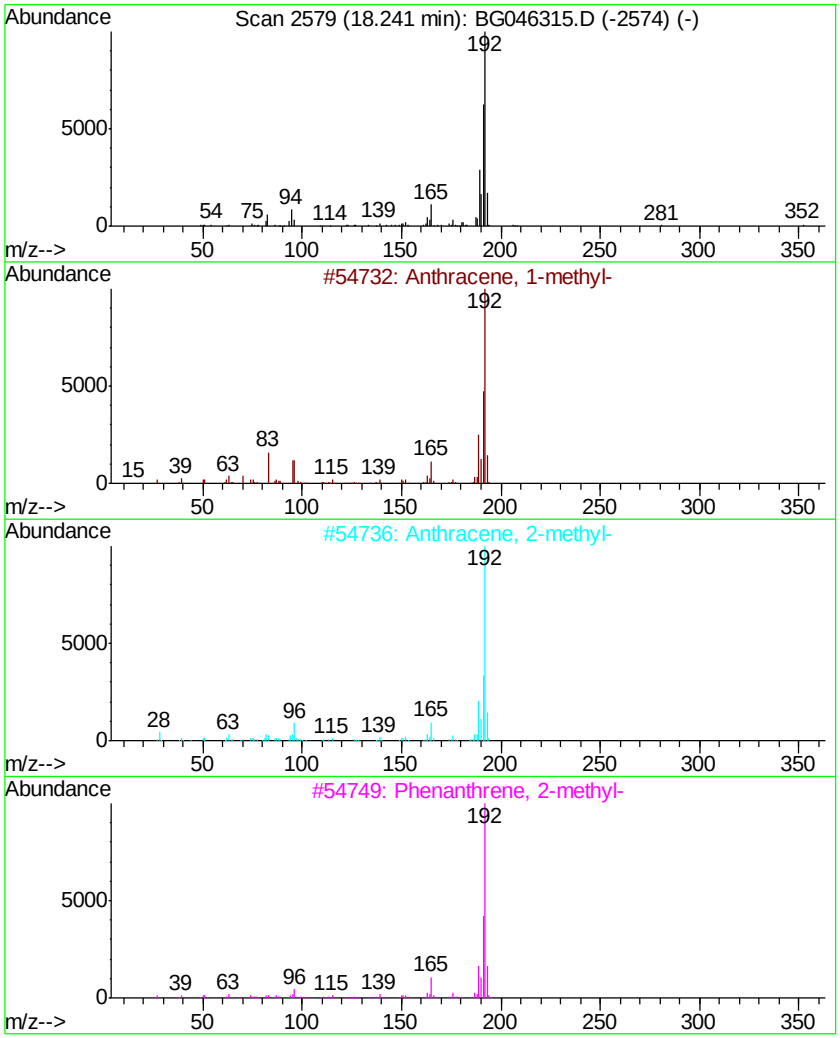
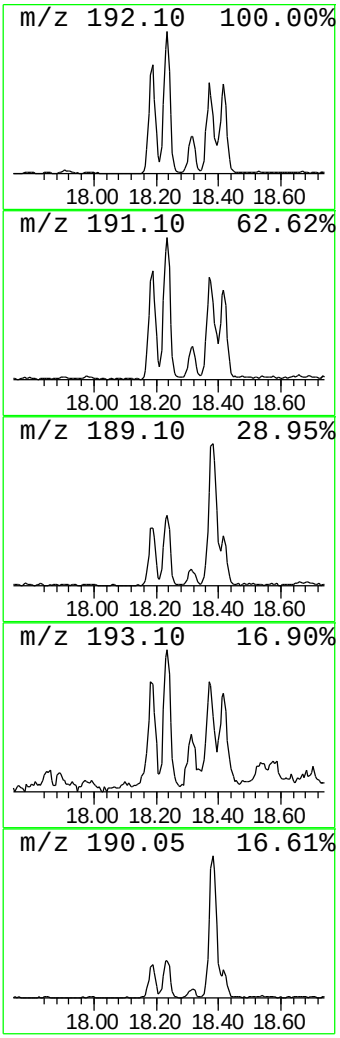
Peak Number 15 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	3.62 ng/ul	215395	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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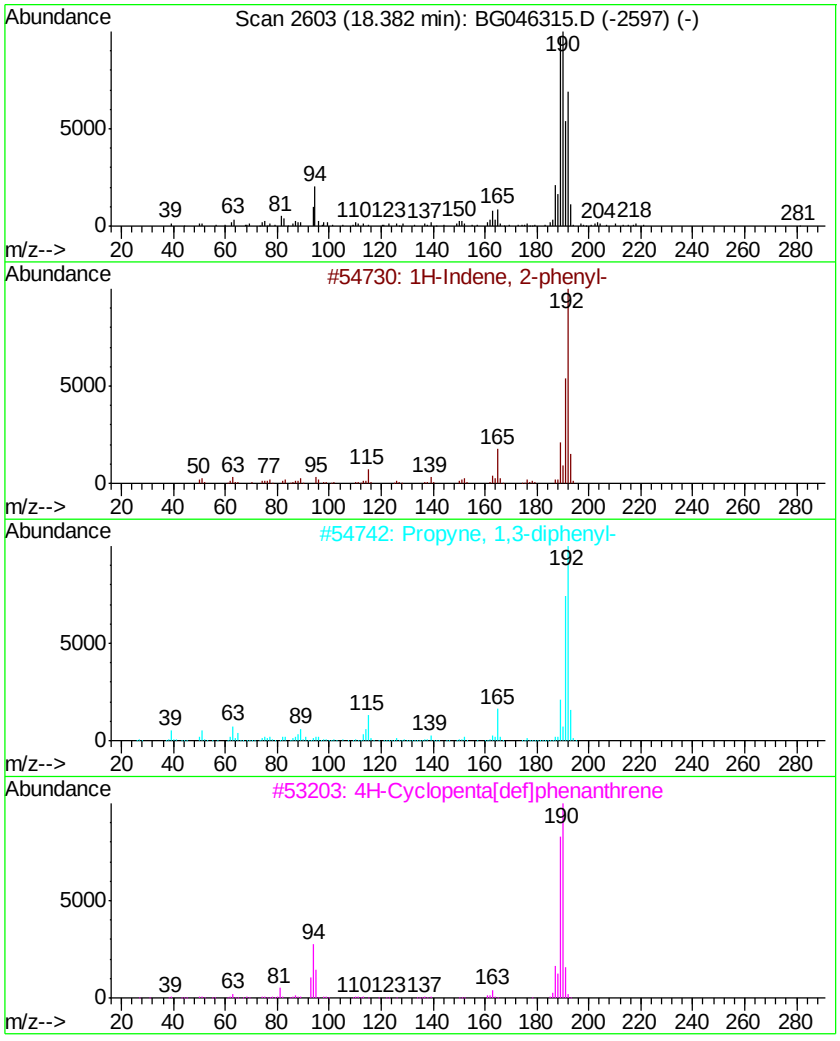
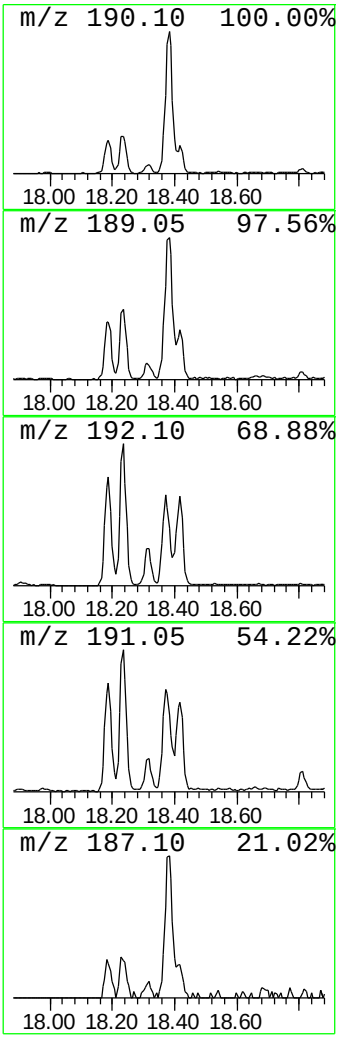
Peak Number 16 unknown-09 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	4.04 ng/ul	240378	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	45
2	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	43
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	43
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	43





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Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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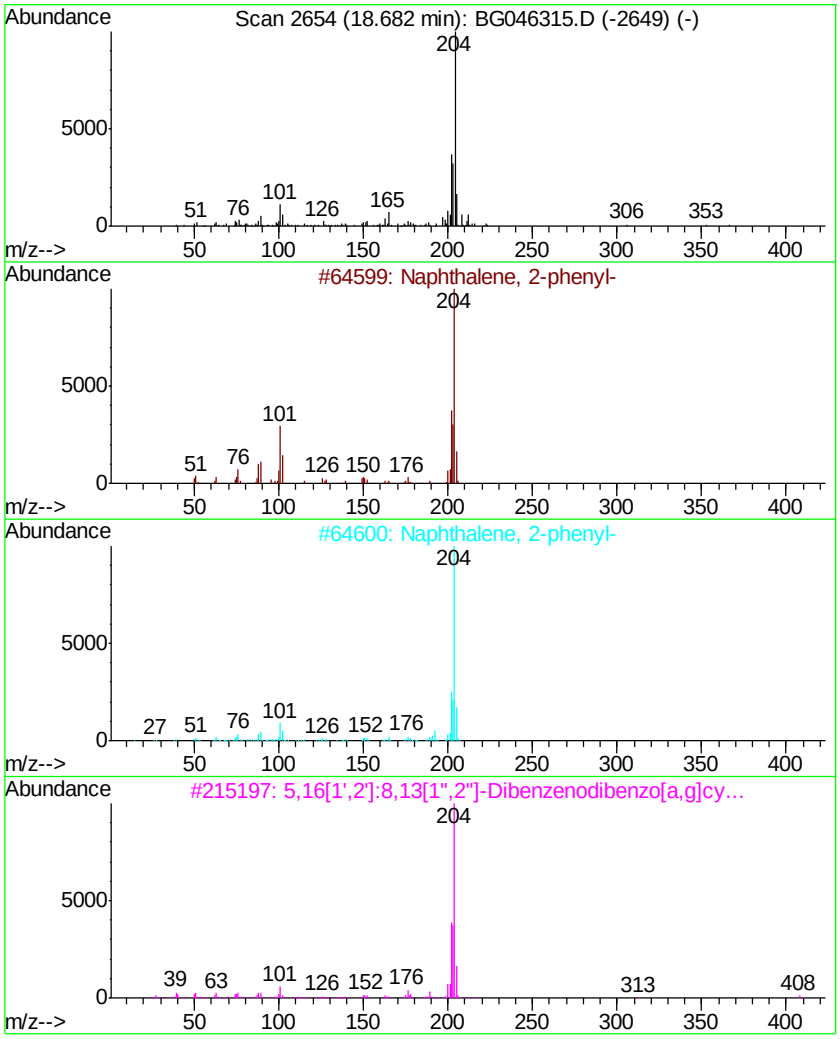
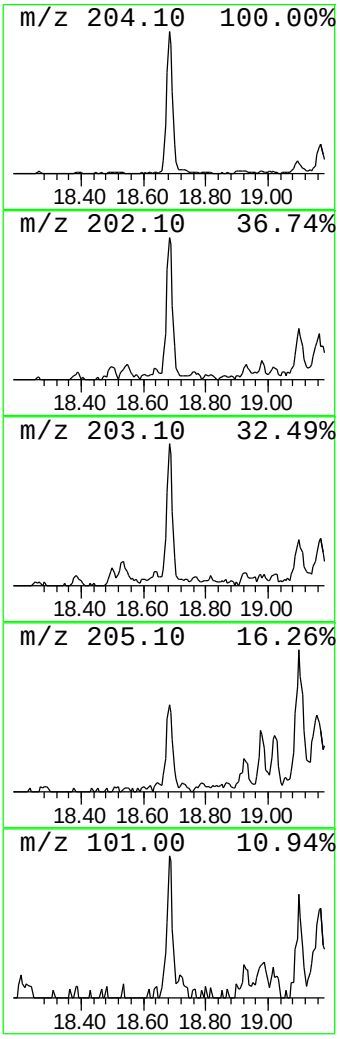
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	2.05 ng/ul	121720	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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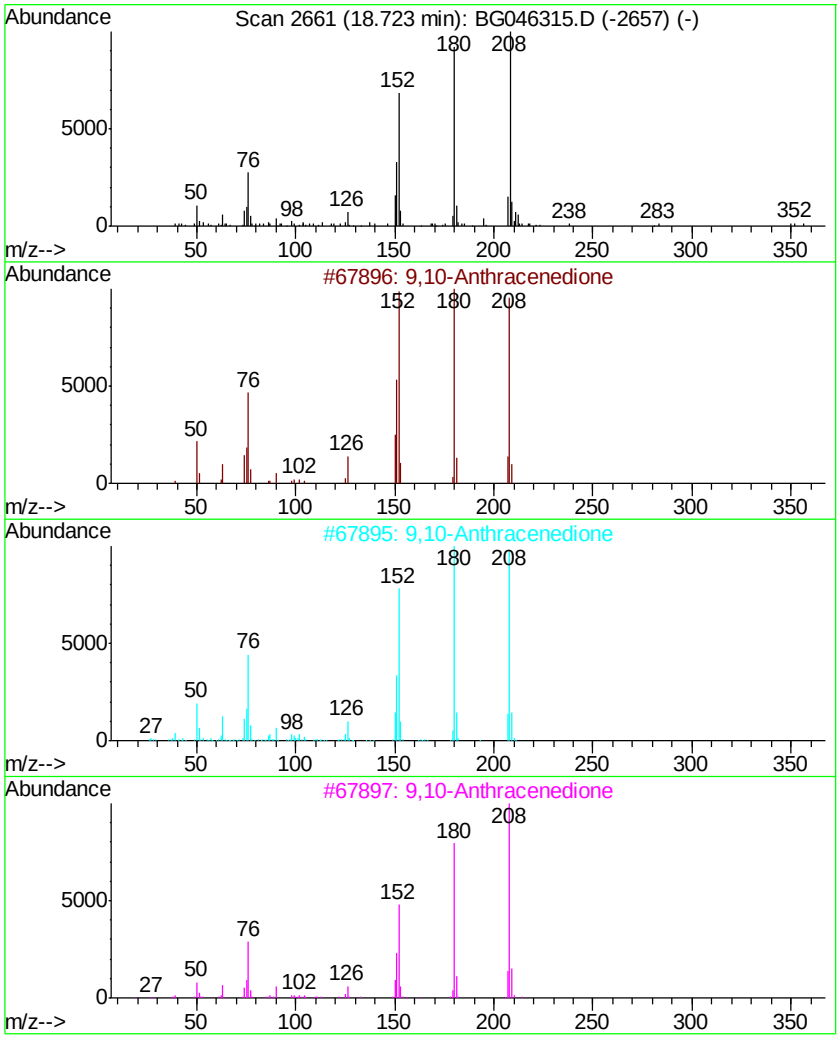
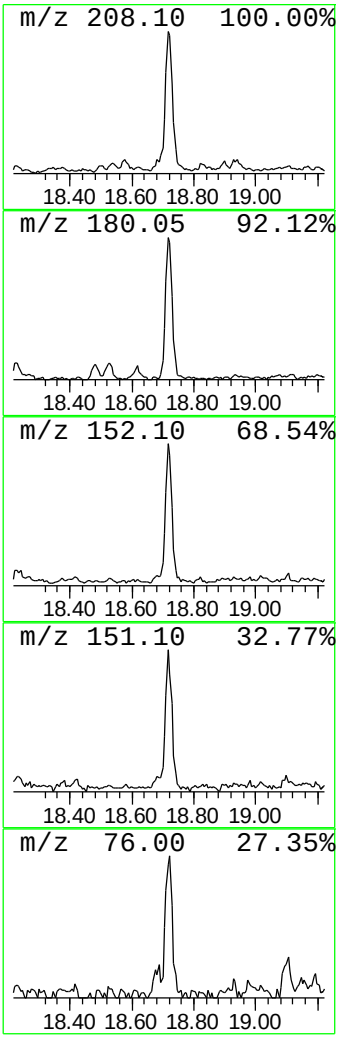
Peak Number 18 9,10-Anthracenedione Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.34 ng/ul	139302	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58





Library Search Compound Report

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Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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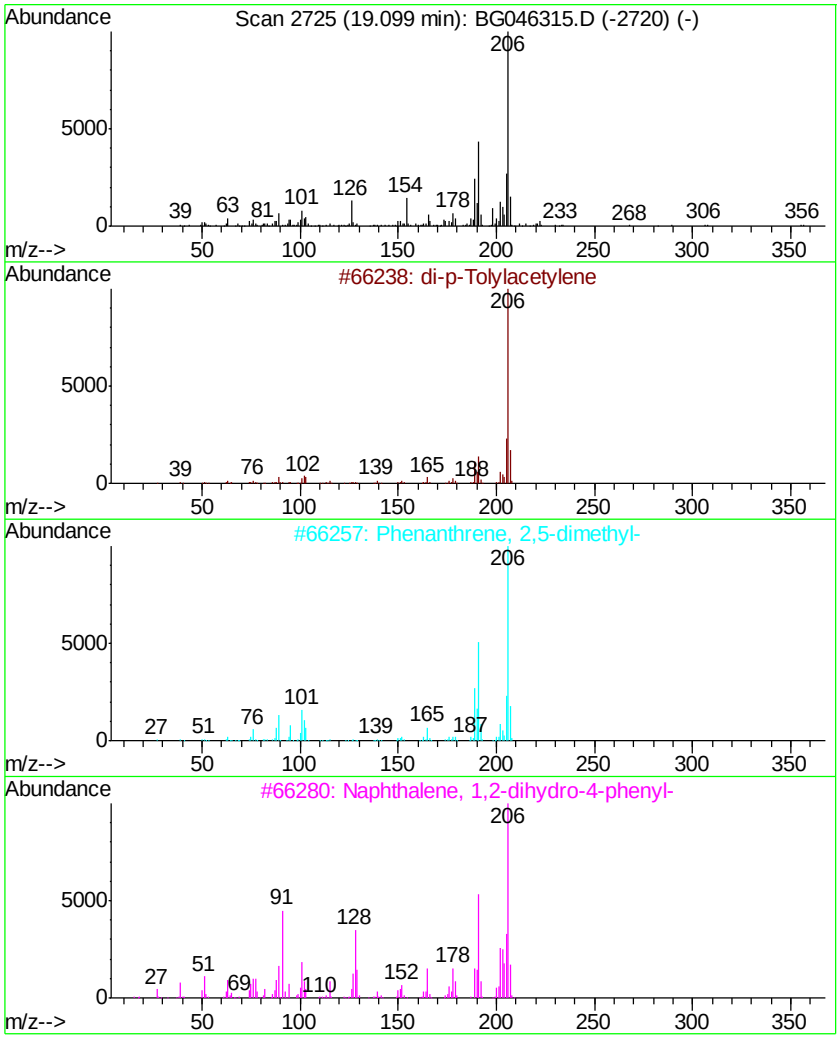
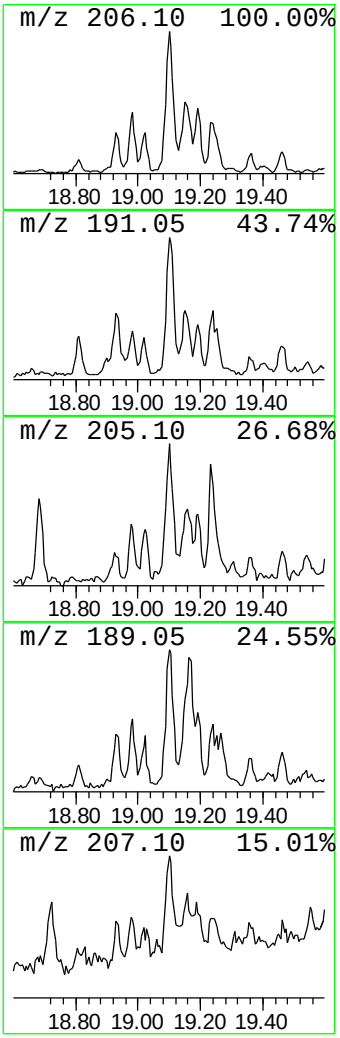
Peak Number 19 di-p-Tolylacetylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	3.25 ng/ul	192998	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	76





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Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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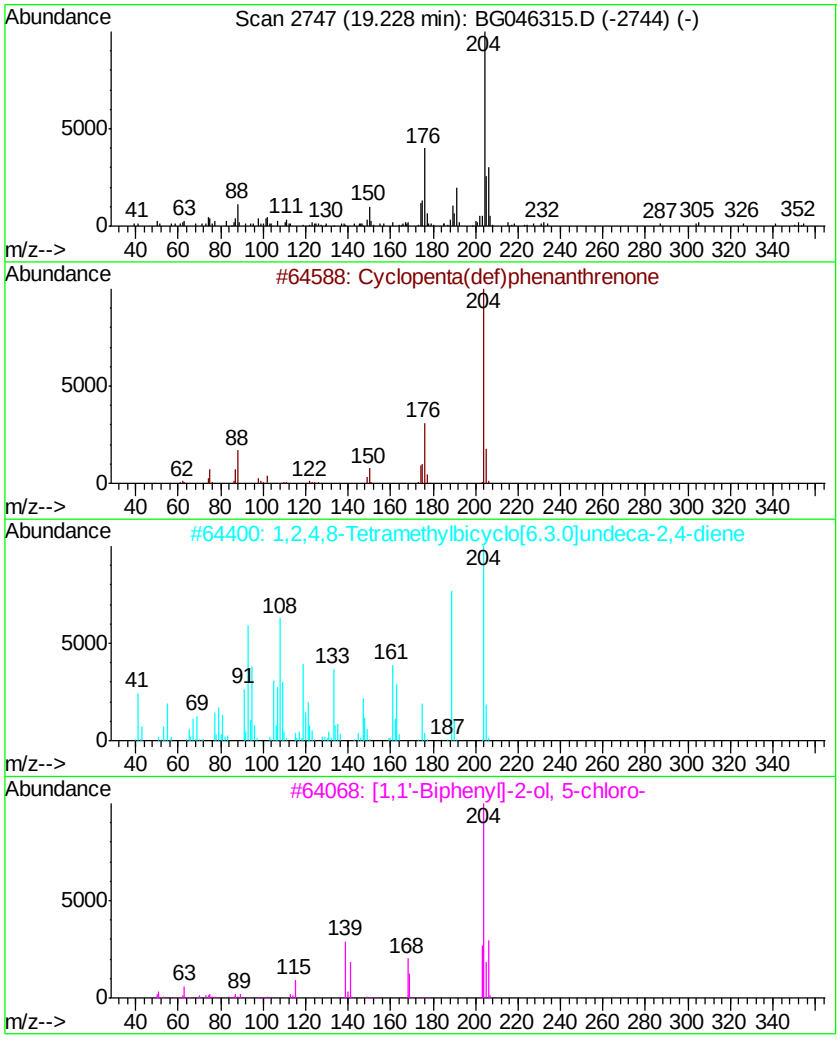
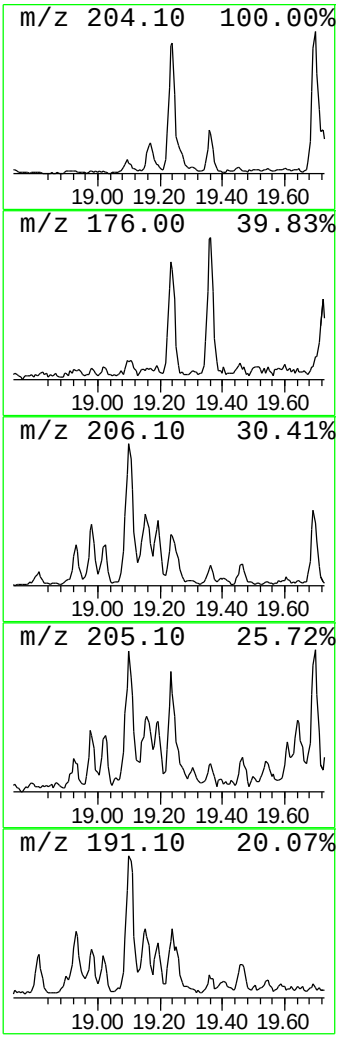
Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	2.36 ng/ul	140285	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47





Library Search Compound Report

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Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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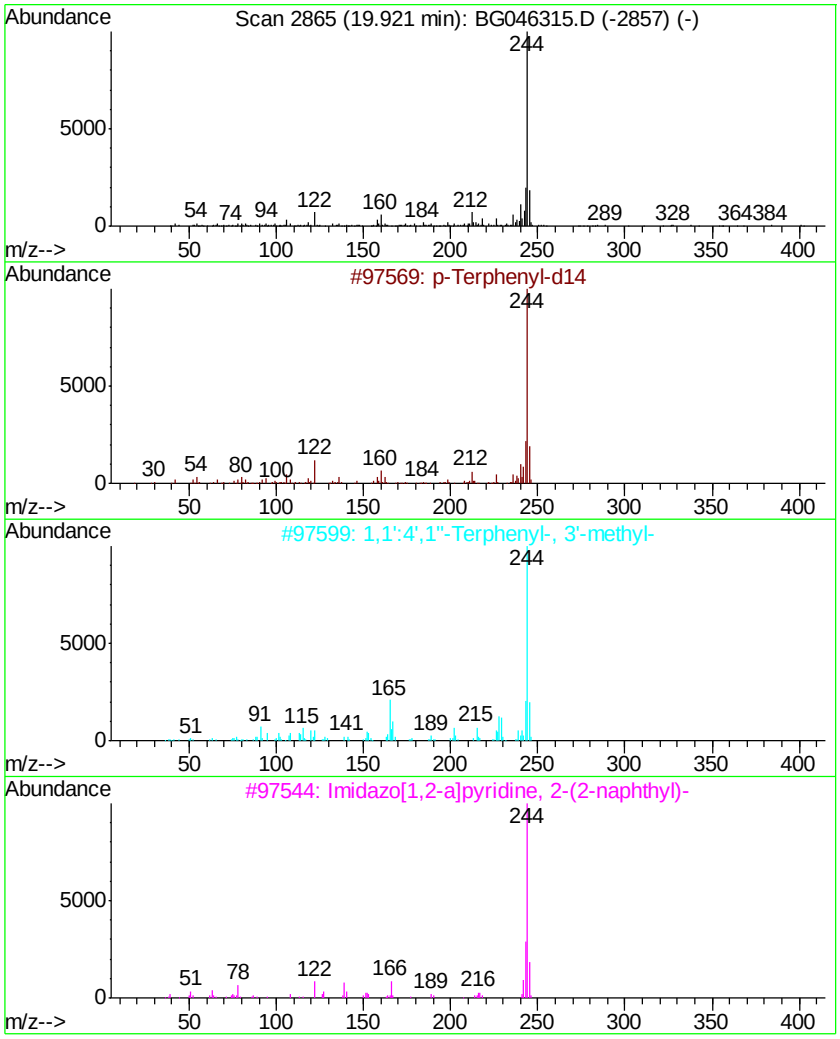
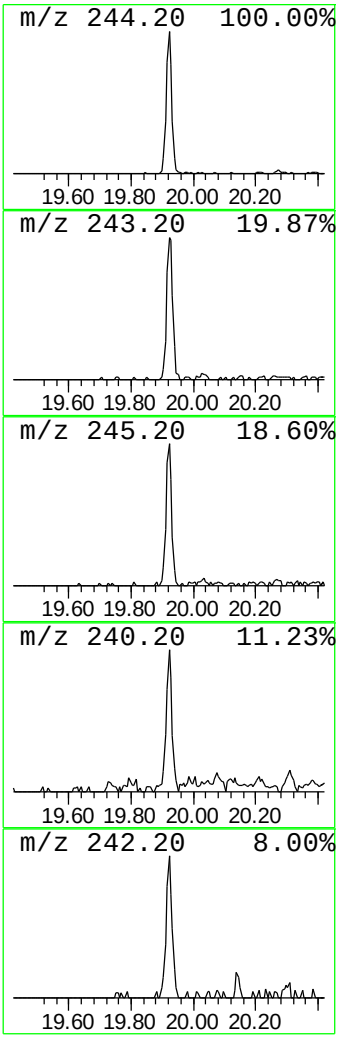
Peak Number 21 p-Terphenyl-d14 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.28 ng/ul	249202	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Terphenyl-d14	244	C18D14	001718-51-0	94
2	1,1':4',1''-Terphenyl-, 3'-methyl-	244	C19H16	033776-38-4	64
3	Imidazo[1,2-a]pyridine, 2-(2-nap...	244	C17H12N2	038922-71-3	59
4	4-Benzylbiphenyl	244	C19H16	000613-42-3	59
5	1H-1,3-Benzimidazole-5,6-dicarbo...	244	C15H8N4	1000351-16-9	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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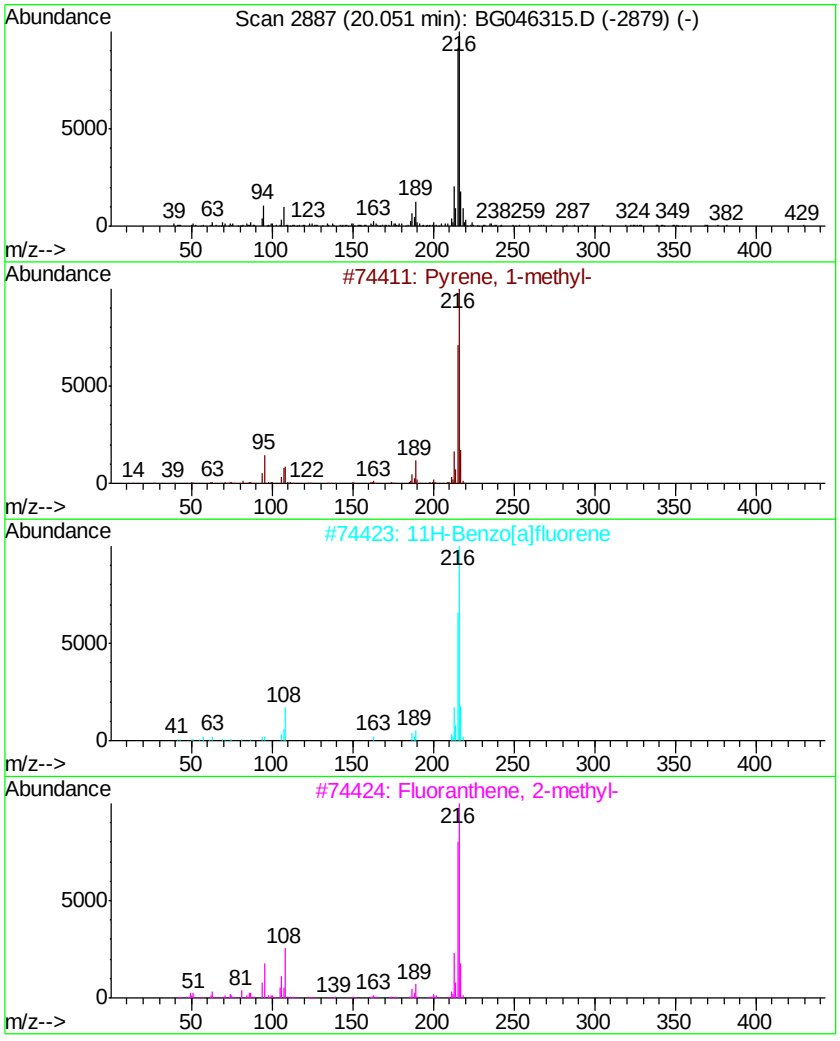
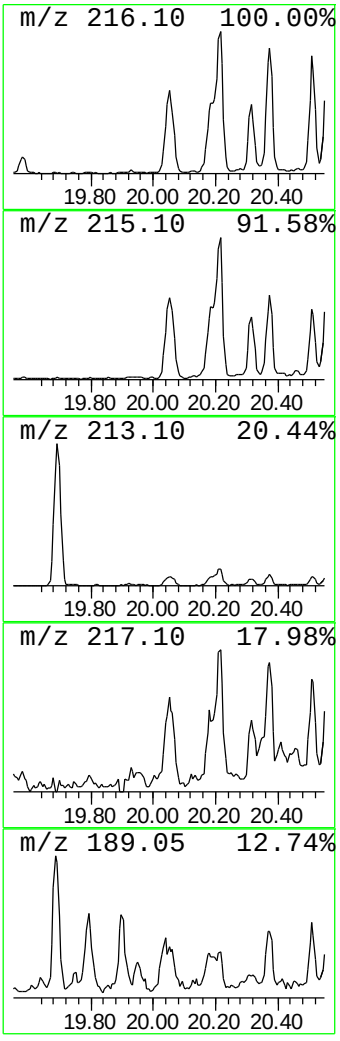
Peak Number 22 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	2.98 ng/ul	326269	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Library Search Compound Report

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Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

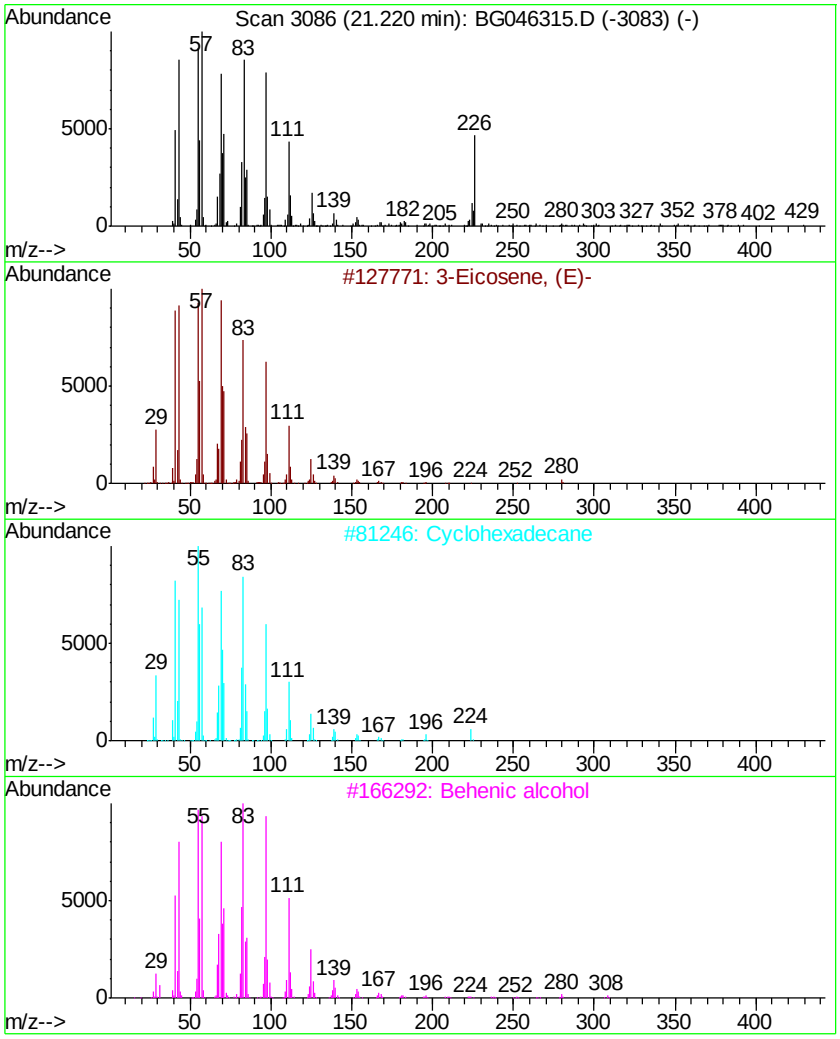
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

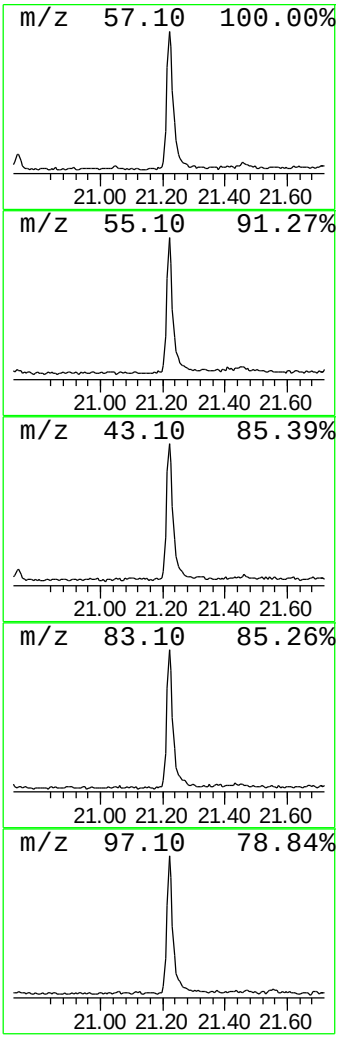
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	5.91 ng/ul	645928	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	96
2	Cyclohexadecane	224	C16H32	000295-65-8	95
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
5	1-Heneicosanol	312	C21H44O	015594-90-8	91





Library Search Compound Report

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Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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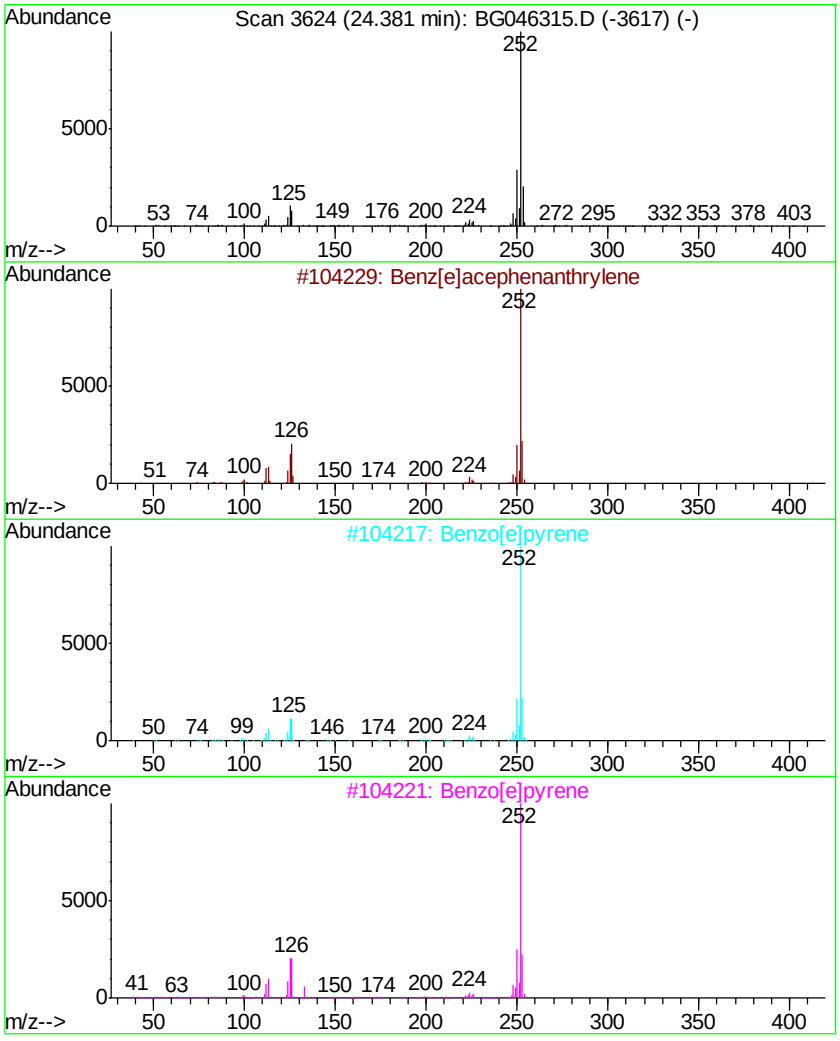
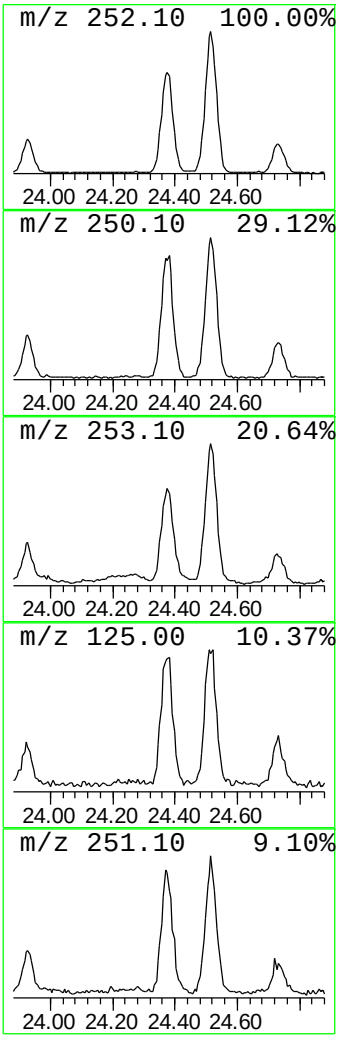
Peak Number 24 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.38	6.44 ng/ul	434073	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Benzo[e]pyrene	252	C20H12	000192-97-2	90
4	Perylene	252	C20H12	000198-55-0	90
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

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Data File : BG046315.D
Acq On : 18 Aug 2020 3:58
Operator : CG/JU
Sample : L3632-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM93

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.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
Butane, 2-methoxy...	3.14	81.0	ng/ul	1732340	1	7.94	427981	20.0
Hexanoic acid, 4-...	7.11	19.6	ng/ul	418742	1	7.94	427981	20.0
unknown-01	7.27	14.6	ng/ul	312005	1	7.94	427981	20.0
unknown-02	7.48	19.8	ng/ul	422589	1	7.94	427981	20.0
Ethanol, 2-(2-eth...	7.54	2.2	ng/ul	47181	1	7.94	427981	20.0
unknown-03	8.65	23.9	ng/ul	511785	1	7.94	427981	20.0
1H-Imidazole, 4-m...	9.09	18.5	ng/ul	396794	1	7.94	427981	20.0
unknown-04	9.82	10.4	ng/ul	341000	2	10.74	654807	20.0
unknown-05	10.87	14.4	ng/ul	473248	2	10.74	654807	20.0
unknown-06	13.97	17.8	ng/ul	861027	3	14.57	969941	20.0
Dimethyl phthalate	14.02	6.7	ng/ul	326228	3	14.57	969941	20.0
unknown-07	14.76	5.2	ng/ul	251973	3	14.57	969941	20.0
unknown-08	15.67	5.4	ng/ul	263443	3	14.57	969941	20.0
Phenanthrene, 2-m...	18.19	2.6	ng/ul	157547	4	17.31	1188920	20.0
Anthracene, 1-met...	18.24	3.6	ng/ul	215395	4	17.31	1188920	20.0
unknown-09	18.38	4.0	ng/ul	240378	4	17.31	1188920	20.0
Naphthalene, 2-ph...	18.68	2.0	ng/ul	121720	4	17.31	1188920	20.0
9,10-Anthracenedione	18.72	2.3	ng/ul	139302	4	17.31	1188920	20.0
di-p-Tolylacetylene	19.10	3.3	ng/ul	192998	4	17.31	1188920	20.0
Cyclopenta(def)ph...	19.23	2.4	ng/ul	140285	4	17.31	1188920	20.0
p-Terphenyl-d14	19.92	2.3	ng/ul	249202	5	21.55	2186260	20.0
Pyrene, 1-methyl-	20.05	3.0	ng/ul	326269	5	21.55	2186260	20.0
(DEL) Alkane: Str...	21.22	5.9	ng/ul	645928	5	21.55	2186260	20.0
Benzo[e]pyrene	24.38	6.4	ng/ul	434073	6	24.66	1347410	20.0