LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046405.D
Acq On : 21 Aug 2020 9:21
Operator : CG/JU
Sample : L3635-03
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG9

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	3.143	4	9	35	rVB	1250359	1976498	51.97%	4.021%
2	3.402	48	53	61	rVB	22746	39246	1.03%	0.080%
3	3.913	136	140	145	rBV	16894	25813	0.68%	0.053%
4	4.048	159	163	168	rVB	13506	21507	0.57%	0.044%
5	5.053	328	334	340	rBV	13133	22179	0.58%	0.045%
6	7.109	676	684	697	rBV	451234	800551	21.05%	1.629%
7	7.268	703	711	723	rBV	346215	570377	15.00%	1.160%
8	7.473	739	746	757	rBV	469148	794534	20.89%	1.616%
9	7.937	819	825	833	rBV	299729	514695	13.53%	1.047%
10	8.648	938	946	955	rBV	569261	966573	25.41%	1.966%
11	9.095	1013	1022	1032	rBV	407548	741672	19.50%	1.509%
12	9.818	1137	1145	1154	rBV	362975	649460	17.08%	1.321%
13	10.358	1230	1237	1248	rBV	619140	1097668	28.86%	2.233%
14	10.734	1294	1301	1308	rBV	432123	777908	20.45%	1.583%
15	10.787	1308	1310	1315	rVB2	12788	15624	0.41%	0.032%
16	10.863	1315	1323	1337	rBV	387503	755496	19.86%	1.537%
17	12.321	1565	1571	1577	rVB2	11250	18388	0.48%	0.037%
18	12.391	1577	1583	1589	rBV2	15800	26753	0.70%	0.054%
19	12.608	1615	1620	1627	rBV2	19186	32782	0.86%	0.067%
20	13.402	1749	1755	1760	rBV2	9269	15015	0.39%	0.031%
21	13.748	1807	1814	1820	rVB3	12089	29148	0.77%	0.059%
22	13.889	1832	1838	1843	rBV2	31106	56514	1.49%	0.115%
23	13.972	1843	1852	1857	rVV	1061008	1605058	42.20%	3.265%
24	14.019	1857	1860	1865	rVB	136586	185276	4.87%	0.377%
25	14.124	1873	1878	1882	rBV2	15521	24554	0.65%	0.050%
26	14.259	1891	1901	1912	rBV	1275720	2081251	54.72%	4.234%
27	14.571	1943	1954	1960	rBV	712031	1153704	30.33%	2.347%
28	14.630	1960	1964	1973	rVV	39621	64762	1.70%	0.132%
29	14.771	1981	1988	2001	rBV	402560	726423	19.10%	1.478%
30	14.859	2001	2003	2008	rVV6	11138	22110	0.58%	0.045%
31	14.912	2008	2012	2016	rVV5	20436	38646	1.02%	0.079%
32	14.965	2016	2021	2030	rVV2	40003	84211	2.21%	0.171%
33	15.041	2030	2034	2041	rVV2	22080	37167	0.98%	0.076%
34	15.188	2051	2059	2063	rBV4	19946	38413	1.01%	0.078%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3635-03
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG9

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	15.241	2063	2068	2073	rVB4	19624	33621	0.88%	0.068%
36	15.364	2081	2089	2093	rBV5	17008	44003	1.16%	0.090%
37	15.429	2097	2100	2106	rVB6	9725	13918	0.37%	0.028%
38	15.564	2115	2123	2128	rVV	1622453	2592321	68.16%	5.274%
39	15.611	2128	2131	2136	rVV2	42861	66098	1.74%	0.134%
40	15.681	2136	2143	2150	rVV	346073	543210	14.28%	1.105%
41	15.734	2150	2152	2156	rVV4	12400	19199	0.50%	0.039%
42	15.799	2157	2163	2167	rVV2	23150	47065	1.24%	0.096%
43	15.834	2167	2169	2173	rVV4	12134	15036	0.40%	0.031%
44	15.910	2177	2182	2190	rVB2	25176	48576	1.28%	0.099%
45	16.063	2202	2208	2215	rVB	22773	55848	1.47%	0.114%
46	16.140	2215	2221	2229	rVB7	12179	27218	0.72%	0.055%
47	16.287	2241	2246	2253	rBV6	27471	60955	1.60%	0.124%
48	16.428	2266	2270	2275	rBV7	8576	16760	0.44%	0.034%
49	16.586	2292	2297	2299	rBV4	14459	18715	0.49%	0.038%
50	16.627	2301	2304	2307	rVV4	17941	24420	0.64%	0.050%
51	16.668	2307	2311	2316	rVB4	15618	24496	0.64%	0.050%
52	16.851	2334	2342	2346	rBV5	26796	59859	1.57%	0.122%
53	16.892	2346	2349	2352	rVV3	17997	23036	0.61%	0.047%
54	16.962	2356	2361	2369	rVB	71369	126876	3.34%	0.258%
55	17.044	2369	2375	2377	rBV3	21931	38437	1.01%	0.078%
56	17.133	2385	2390	2398	rVB	43552	76815	2.02%	0.156%
57	17.215	2400	2404	2409	rBV8	12013	19514	0.51%	0.040%
58	17.309	2410	2420	2424	rBV	875688	1370829	36.04%	2.789%
59	17.356	2424	2428	2432	rVV	725378	1083983	28.50%	2.205%
60	17.409	2432	2437	2448	rVV	1722447	2760175	72.57%	5.615%
61	17.497	2448	2452	2458	rVB2	25098	46810	1.23%	0.095%
62	17.620	2470	2473	2479	rVB3	23231	33698	0.89%	0.069%
63	17.708	2480	2488	2493	rBV2	79114	150664	3.96%	0.307%
64	17.750	2493	2495	2499	rVB4	10725	14420	0.38%	0.029%
65	17.826	2505	2508	2513	rVB2	25484	38400	1.01%	0.078%
66	17.891	2515	2519	2525	rBV3	33633	46494	1.22%	0.095%
67	18.108	2552	2556	2560	rBV2	17453	24950	0.66%	0.051%
68	18.190	2564	2570	2572	rVV	139079	228836	6.02%	0.466%
69	18.214	2572	2574	2575	rVV	156775	155503	4.09%	0.316%
70	18.231	2575	2577	2584	rVV	207741	317622	8.35%	0.646%
71	18.314	2587	2591	2596	rVV	43117	70108	1.84%	0.143%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3635-03
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG9

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

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Peak separation: 5

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

72	18.378	2596	2602	2606	rVV2	163744	317140	8.34%	0.645%
73	18.419	2606	2609	2614	rVB	102713	143933	3.78%	0.293%
74	18.684	2650	2654	2657	rBV	117211	159253	4.19%	0.324%
75	18.719	2657	2660	2665	rVB	142221	204759	5.38%	0.417%
76	18.930	2693	2696	2700	rVB2	38271	45937	1.21%	0.093%
77	19.101	2721	2725	2729	rBV2	120302	191117	5.02%	0.389%
78	19.236	2744	2748	2757	rBV	105175	190161	5.00%	0.387%
79	19.365	2764	2770	2775	rVB	1474924	2038054	53.58%	4.146%
80	19.459	2784	2786	2791	rVB4	36275	43488	1.14%	0.088%
81	19.700	2821	2827	2830	rBV	2226648	3803516	100.00%	7.738%
82	19.724	2830	2831	2839	rVB	1274949	1318064	34.65%	2.681%
83	19.794	2840	2843	2846	rVV2	75307	108200	2.84%	0.220%
84	19.835	2846	2850	2855	rVB	230828	282242	7.42%	0.574%
85	19.900	2858	2861	2867	rVB	76612	121733	3.20%	0.248%
86	20.053	2882	2887	2892	rBV2	91909	210123	5.52%	0.427%
87	20.211	2912	2914	2918	rVB2	151643	197187	5.18%	0.401%
88	20.511	2963	2965	2969	rBV	77457	92193	2.42%	0.188%
89	20.687	2992	2995	3000	rVB	248849	274302	7.21%	0.558%
90	20.775	3006	3010	3014	rBV	359814	470141	12.36%	0.956%
91	20.969	3039	3043	3050	rVB	204803	296982	7.81%	0.604%
92	21.193	3078	3081	3083	rBV	97286	120231	3.16%	0.245%
93	21.228	3083	3087	3094	rVB3	343986	612715	16.11%	1.246%
94	21.557	3136	3143	3148	rBV3	1104166	2680502	70.47%	5.453%
95	21.604	3148	3151	3164	rVB	697117	1175312	30.90%	2.391%
96	23.695	3500	3507	3514	rBV	521498	1641913	43.17%	3.340%
97	24.389	3620	3625	3630	rBV	231286	539515	14.18%	1.098%
98	24.471	3631	3639	3645	rVV	1090007	2920750	76.79%	5.942%
99	24.530	3645	3649	3661	rVB	469652	1158304	30.45%	2.356%
100	24.677	3666	3674	3681	rBV	557468	1448969	38.10%	2.948%

Sum of corrected areas: 49155200

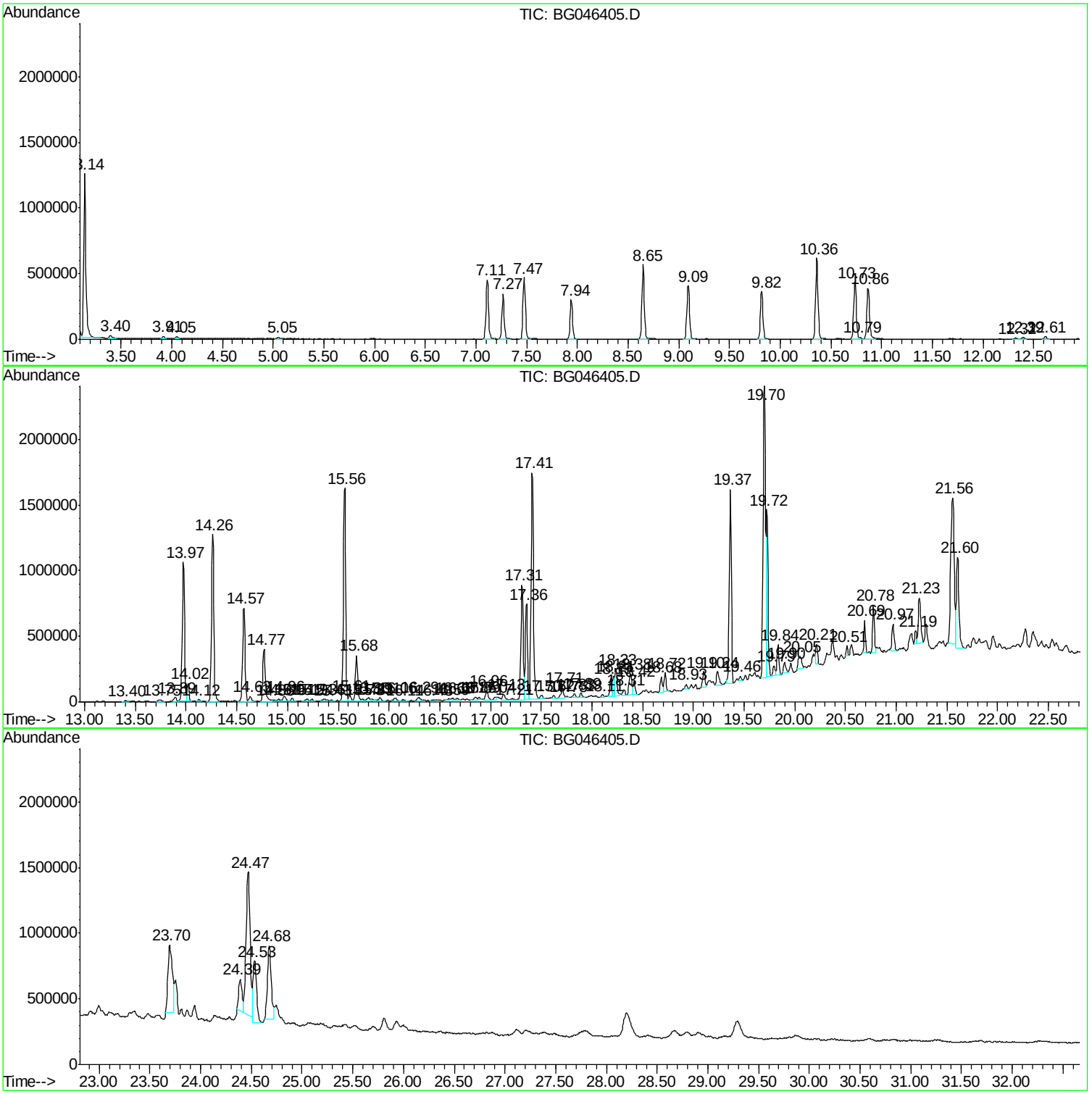
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046405.D
Acq On : 21 Aug 2020 9:21
Operator : CG/JU
Sample : L3635-03
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG9

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

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Quant Title : SVOA CALIBRATION

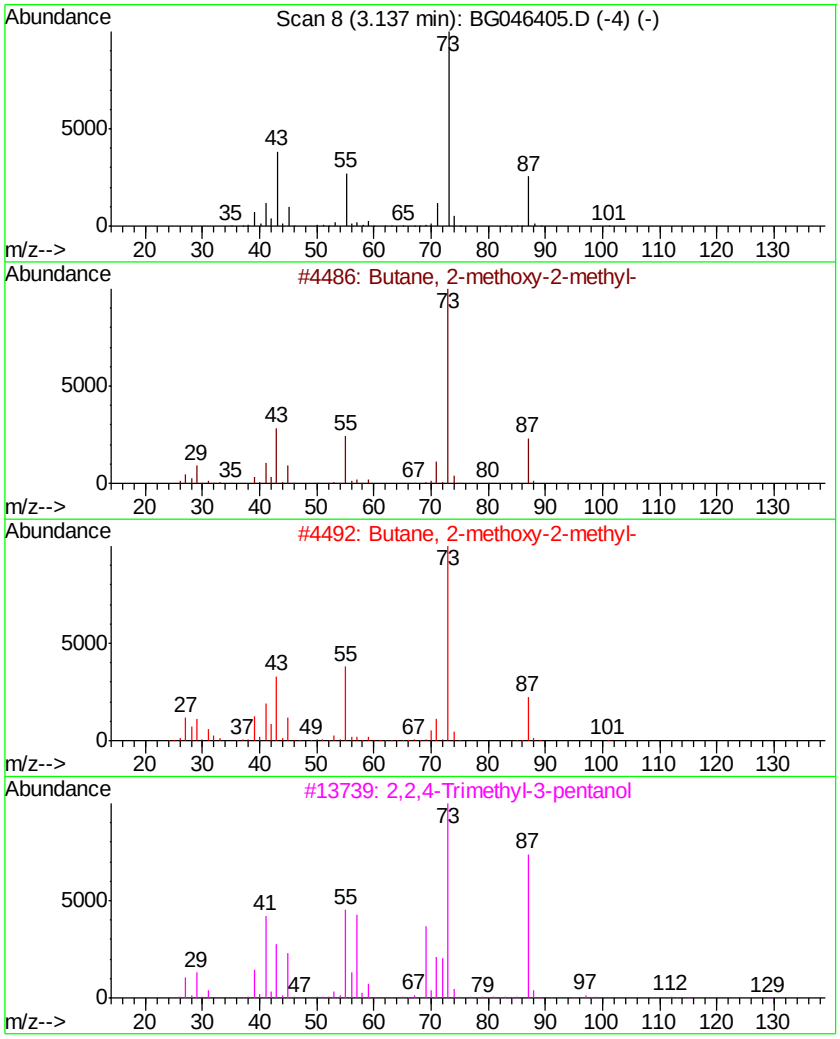
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

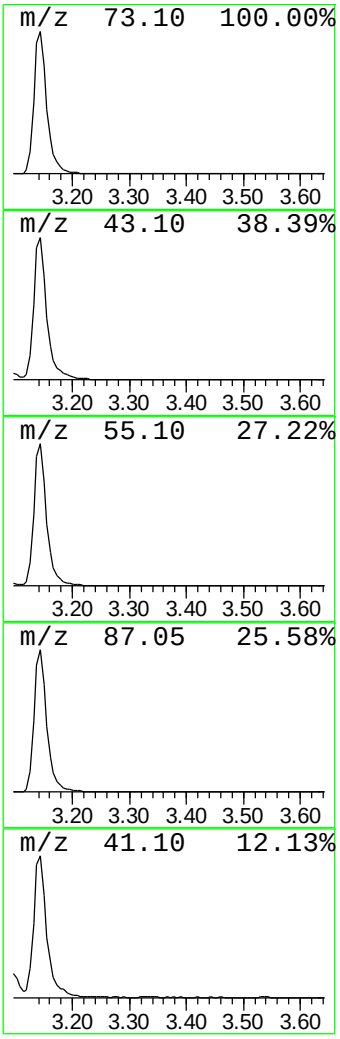
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	76.80 ng/ul	1976500	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	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37





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ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG9

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

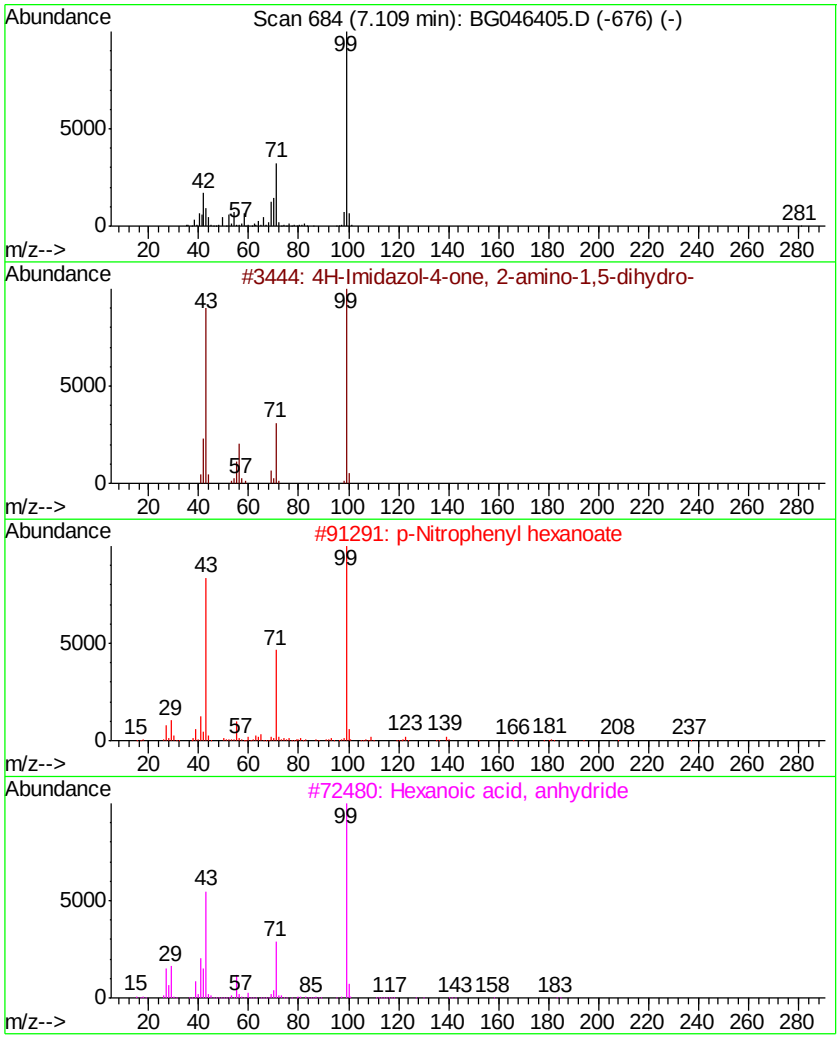
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

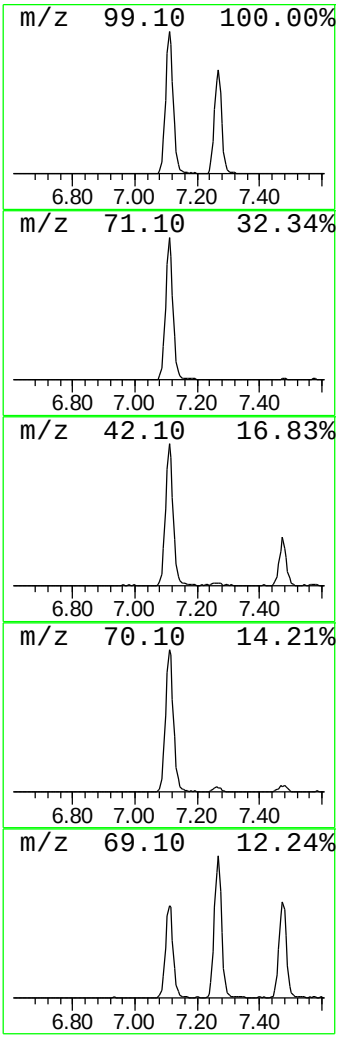
****

Peak Number 2 4H-Imidazol-4-one, 2-amino-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	31.11 ng/ul	800551	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	59
2	p-Nitrophenyl hexanoate	237	C12H15NO4	000956-75-2	53
3	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
4	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	45
5	Phenol-d6-	100	C6D6O	013127-88-3	43





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ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

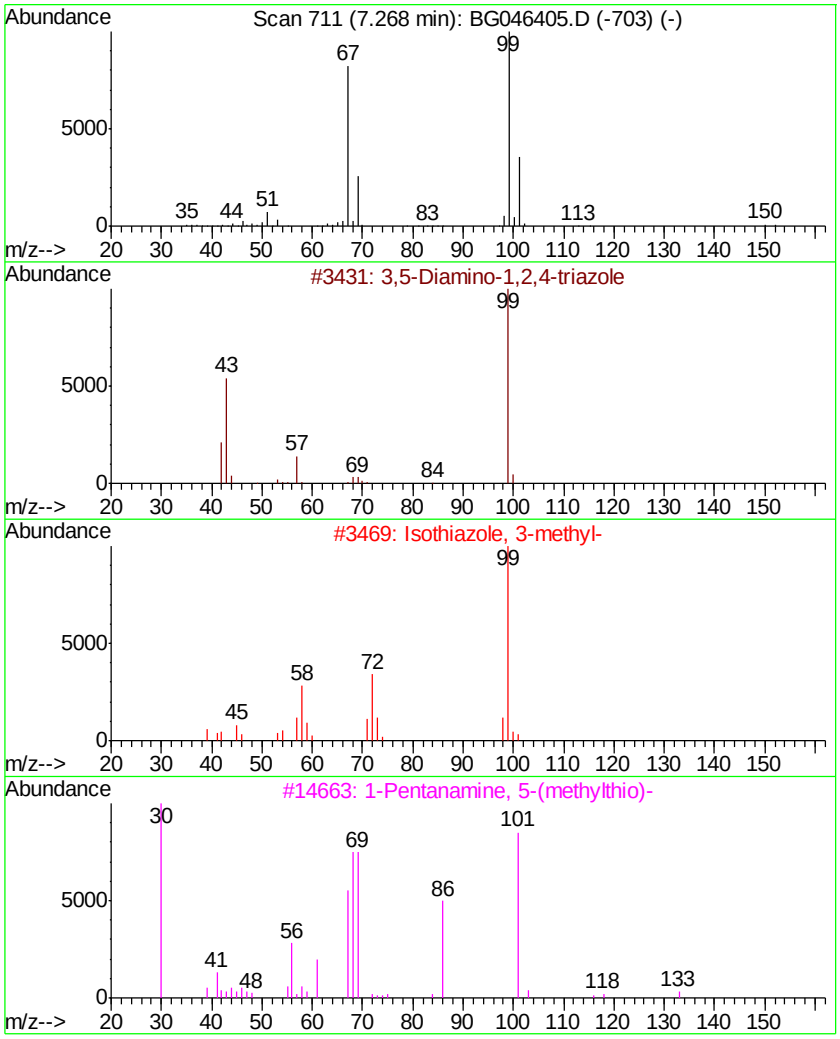
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

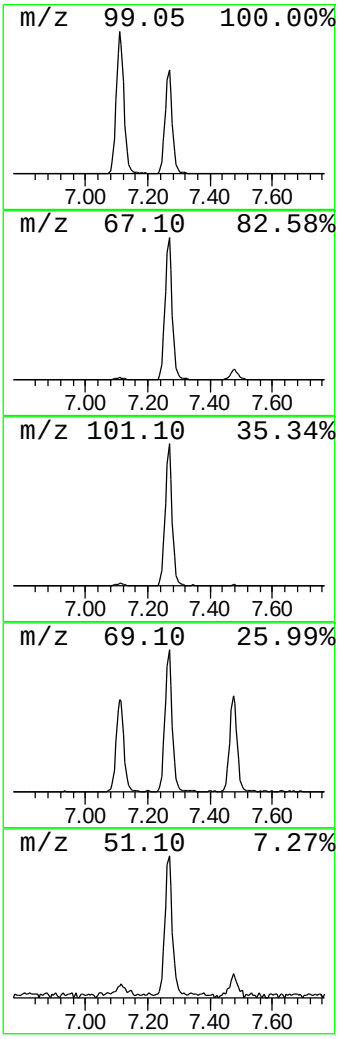
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	22.16 ng/ul	570377	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
2	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	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	7
5	2-Pyrrolidinone, 1-methyl-	99	C5H9NO	000872-50-4	5





Library Search Compound Report

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Data File : BG046405.D
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Instrument : BNA_G
ClientSampleId : BFMG9

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

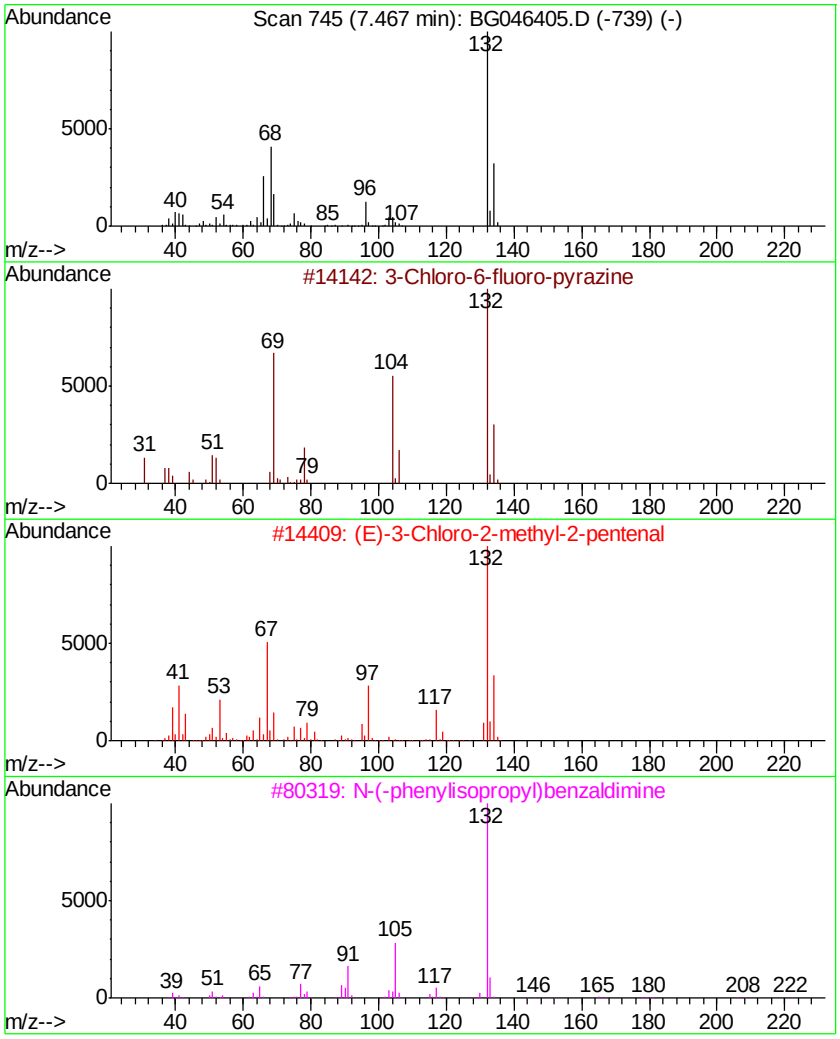
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

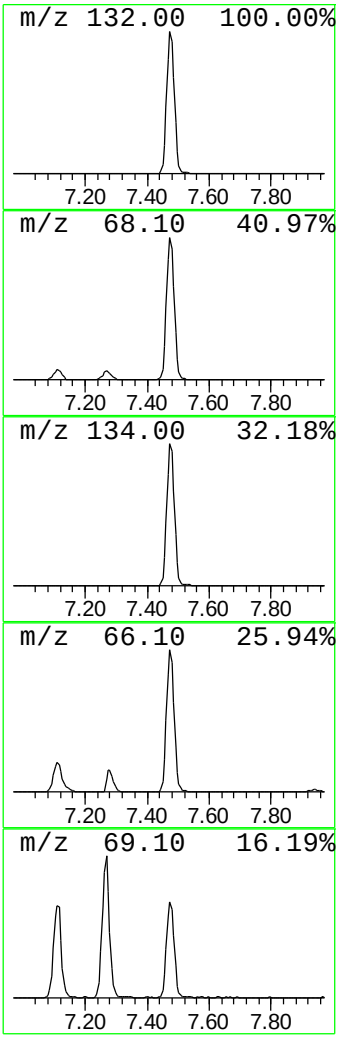
****

Peak Number 4 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	30.87 ng/ul	794534	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	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	N-(-phenylisopropyl)benzaldimine	223	C16H17N	1000379-01-3	10
4	Xenon	132	Xe	007440-63-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

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Data File : BG046405.D
Acq On : 21 Aug 2020 9:21
Operator : CG/JU
Sample : L3635-03
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG9

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

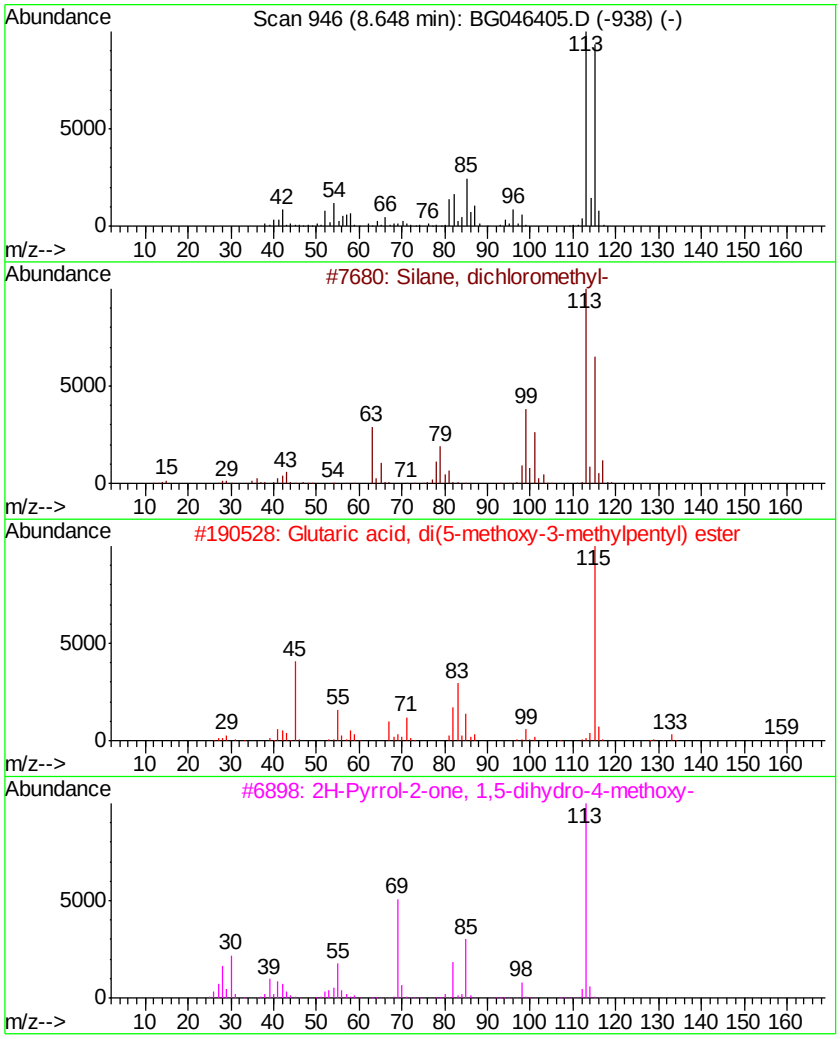
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

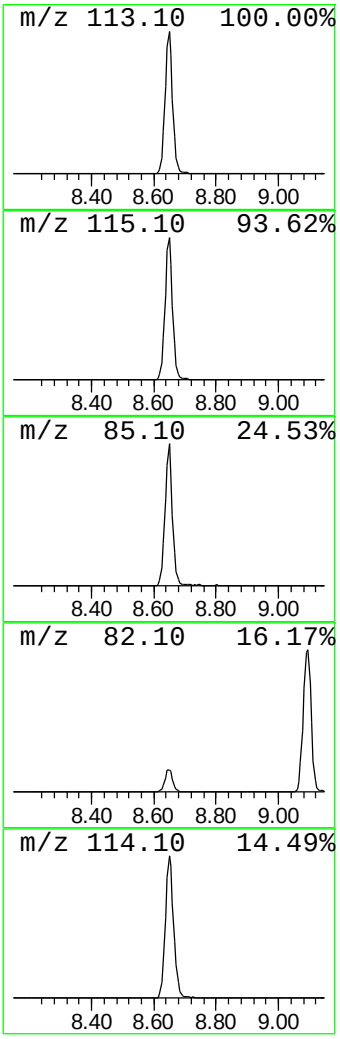
****

Peak Number 5 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	37.56 ng/ul	966573	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	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000360-08-3	35
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	Furazan-3-amine, 4-methoxy-	115	C3H5N3O2	078350-48-8	25





Library Search Compound Report

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Acq On : 21 Aug 2020 9:21
Operator : CG/JU
Sample : L3635-03
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG9

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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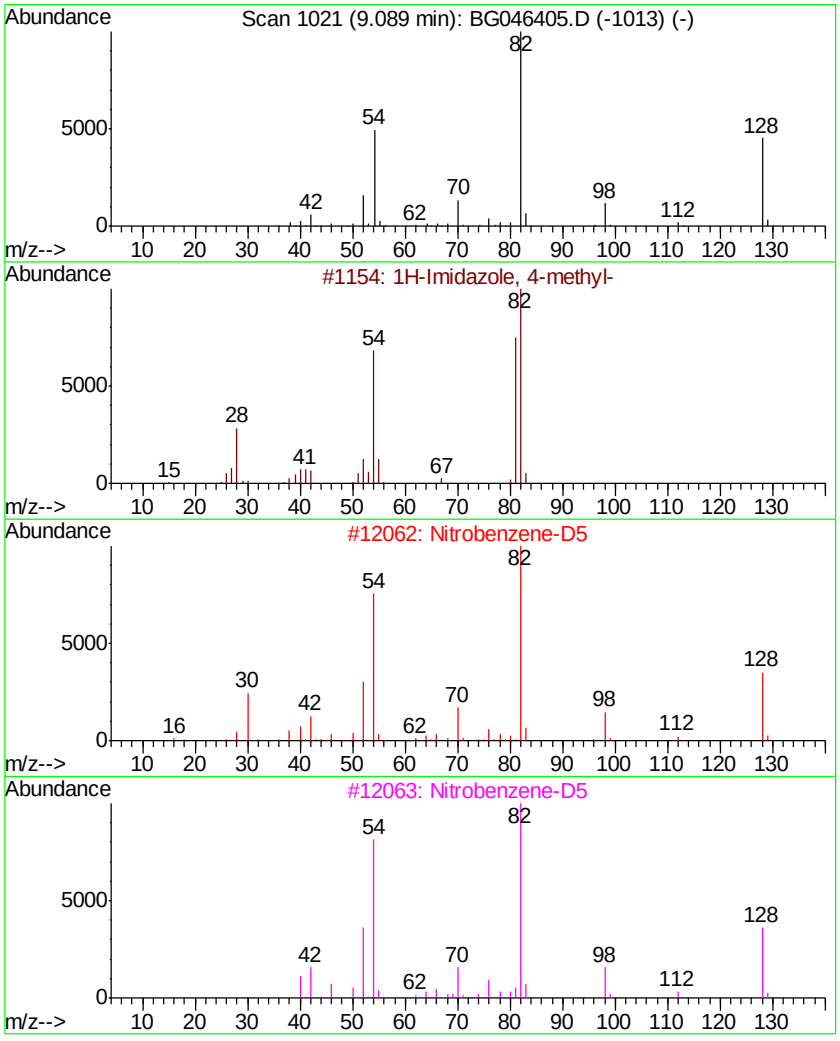
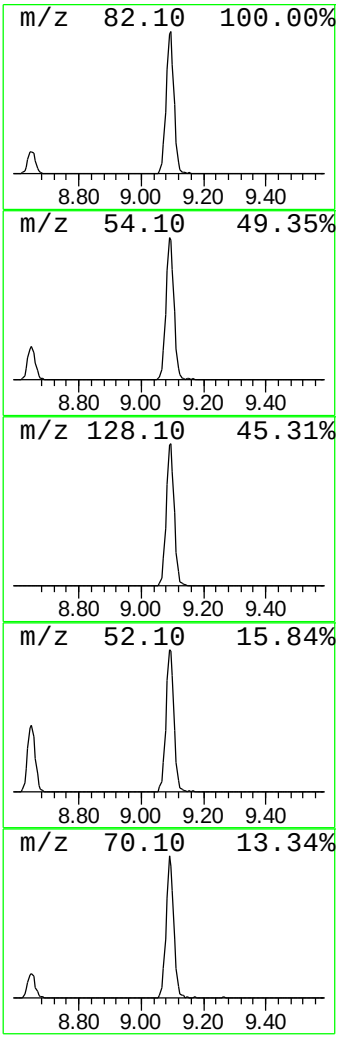
Peak Number 6 unknown-04 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	28.82 ng/ul	741672	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	47
2	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	38
3	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	10
4	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	9
5	5-Isoxazolecarboxylic acid, 3-me...	127	C5H5NO3	1000337-65-5	9





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ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

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

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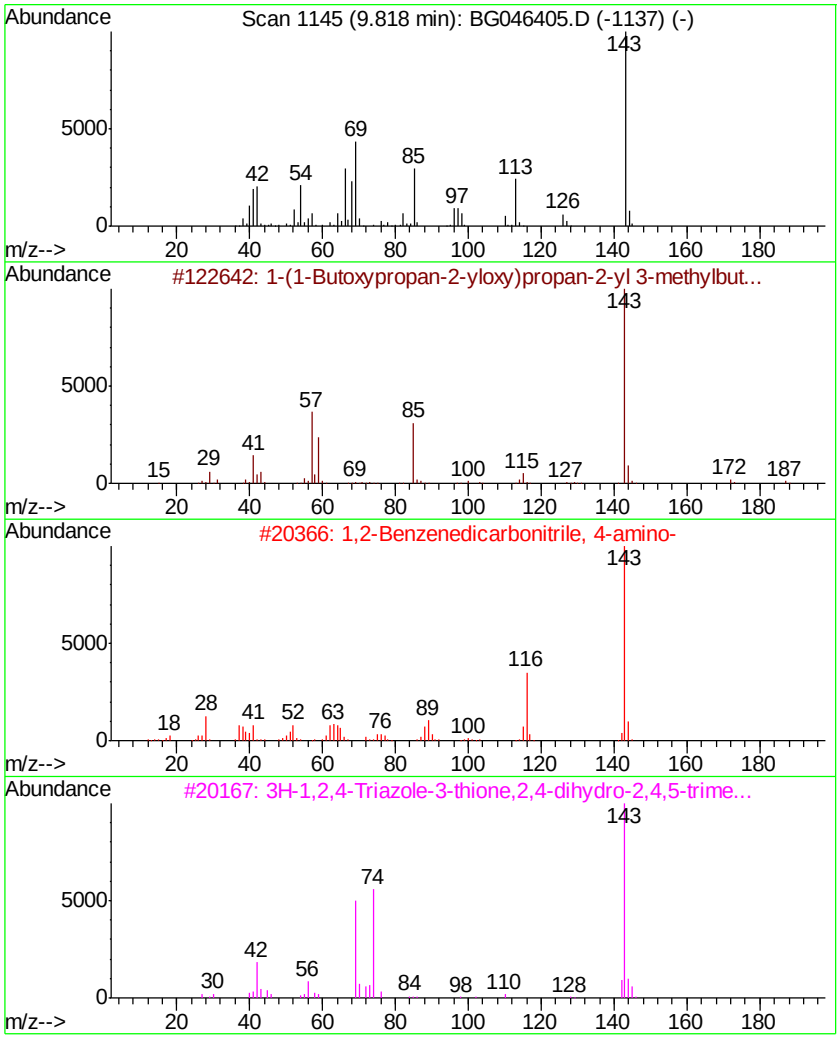
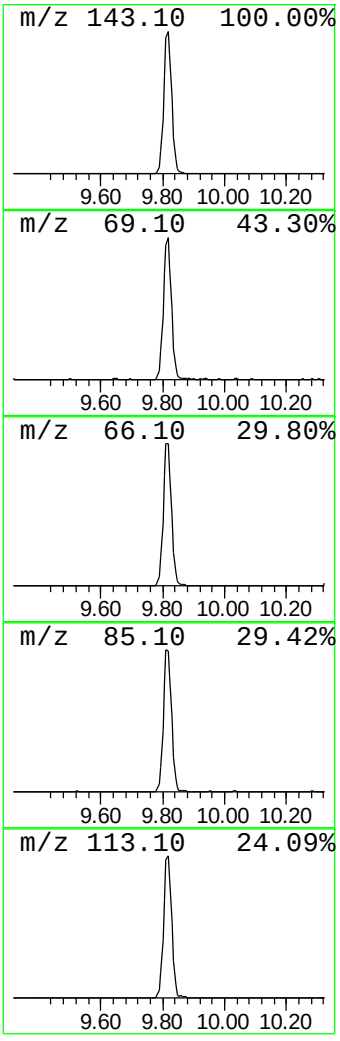
Peak Number 7 unknown-05 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	16.70 ng/ul	649460	Naphthalene-d8	10.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	22
2	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	14
3	3H-1,2,4-Triazole-3-thione,2,4-d...	143	C5H9N3S	037526-42-4	12
4	3-Aminophthalonitrile	143	C8H5N3	058632-96-5	10
5	6-Aza-2-thiothymine	143	C4H5N3OS	000615-76-9	10





Library Search Compound Report

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ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

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

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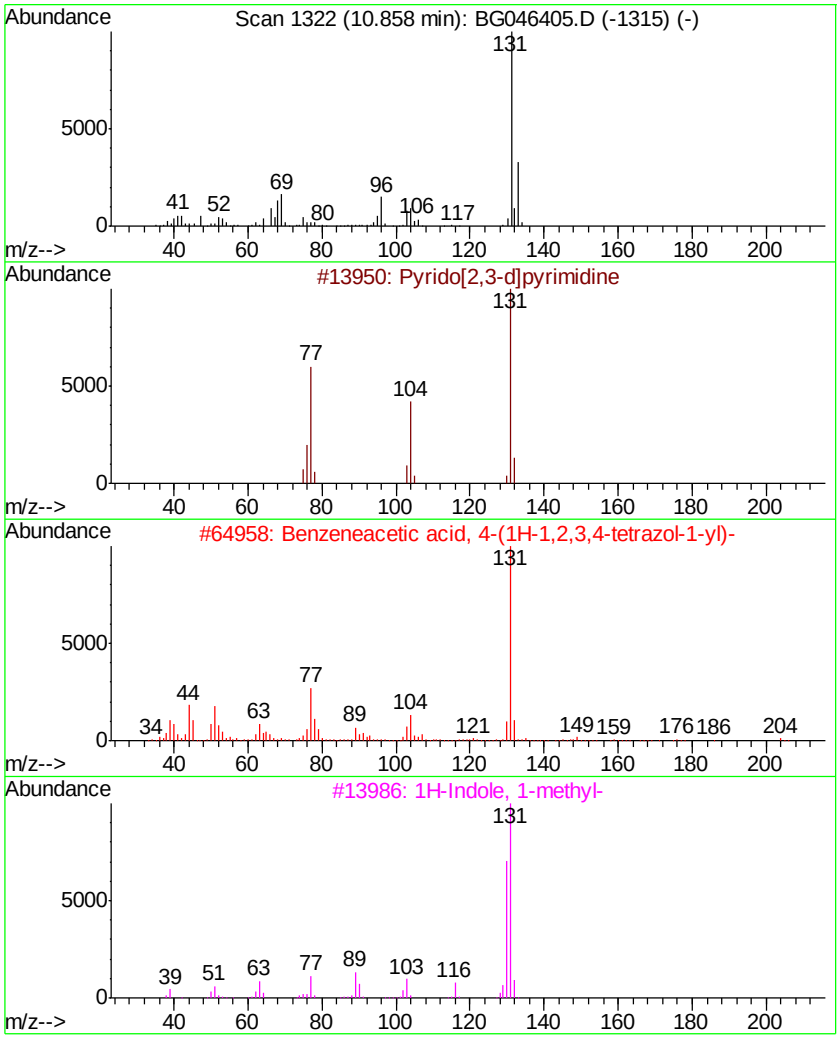
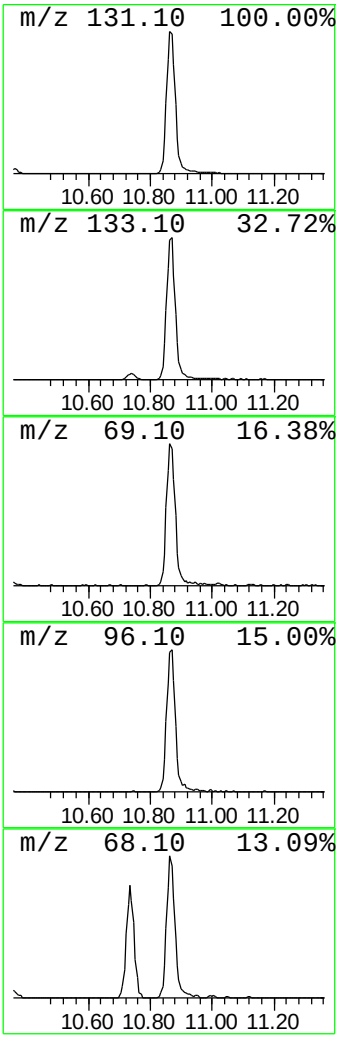
Peak Number 8 unknown-06 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	19.42 ng/ul	755496	Naphthalene-d8	10.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-d]pyrimidine	131	C7H5N3	000254-61-5	40
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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ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

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

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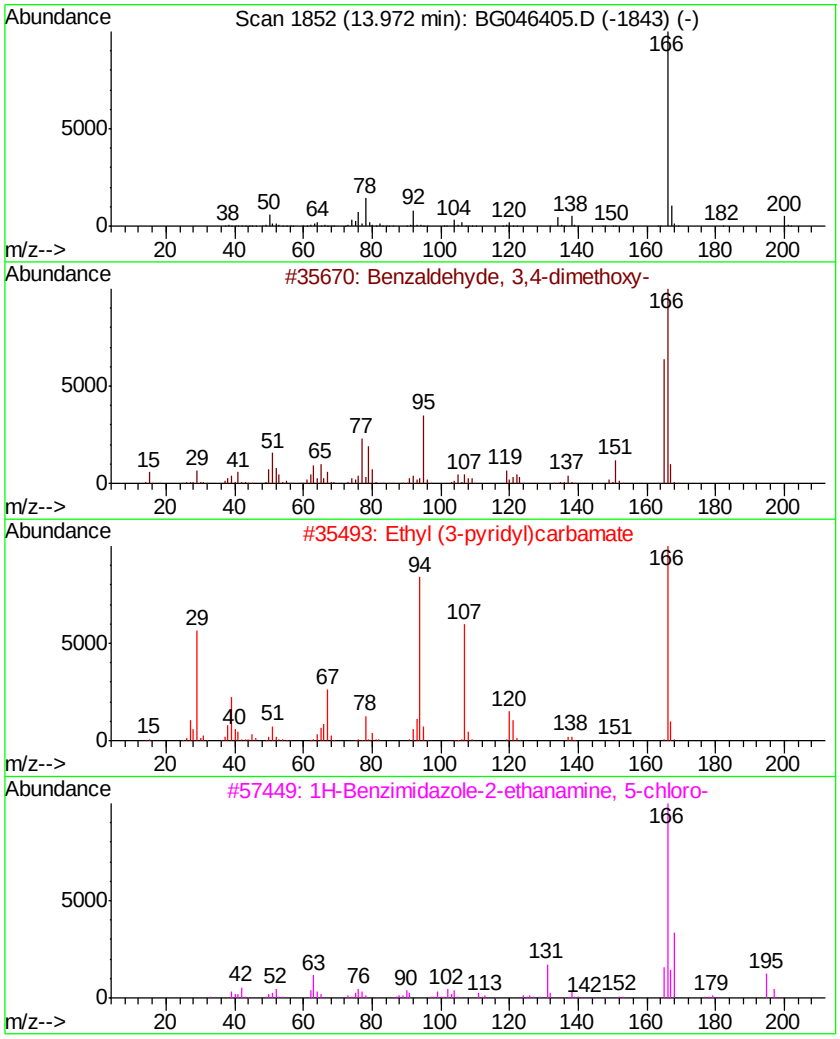
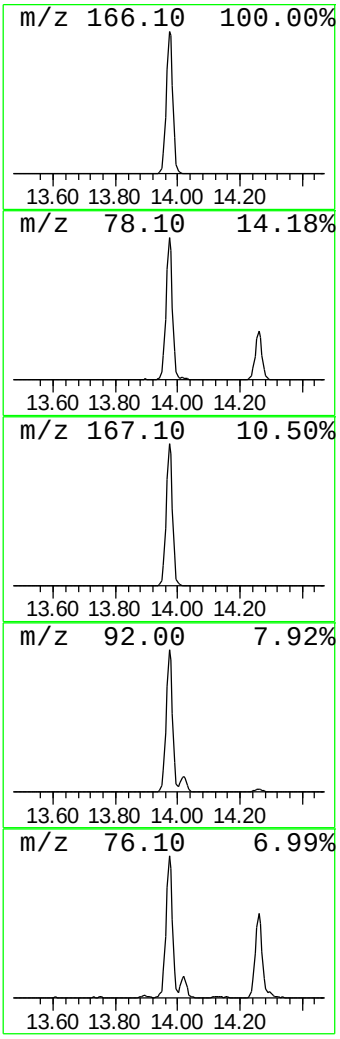
Peak Number 9 unknown-07 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	27.82 ng/ul	1605060	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	1H-Benzimidazole-2-ethanamine, 5...	195	C9H10ClN3	135875-16-0	38
4	1H-Purine, 6-(methylthio)-	166	C6H6N4S	000050-66-8	38
5	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38





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Acq On : 21 Aug 2020 9:21
Operator : CG/JU
Sample : L3635-03
Misc :
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Instrument : BNA_G
ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

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

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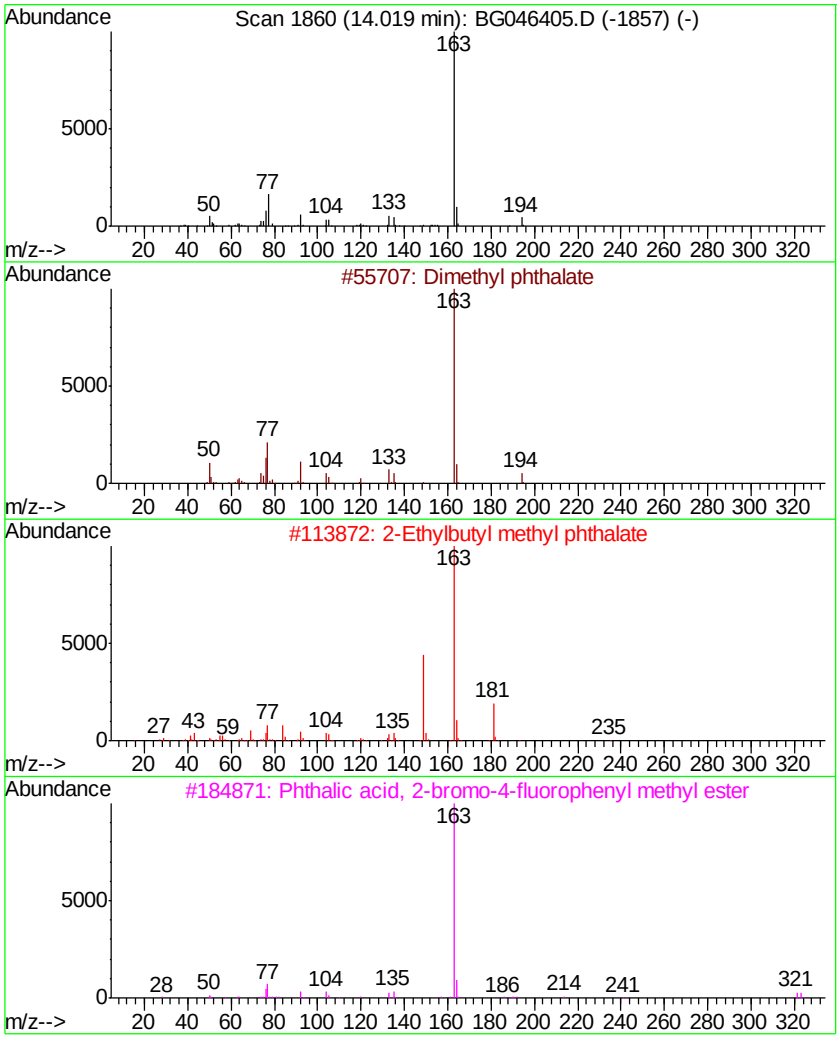
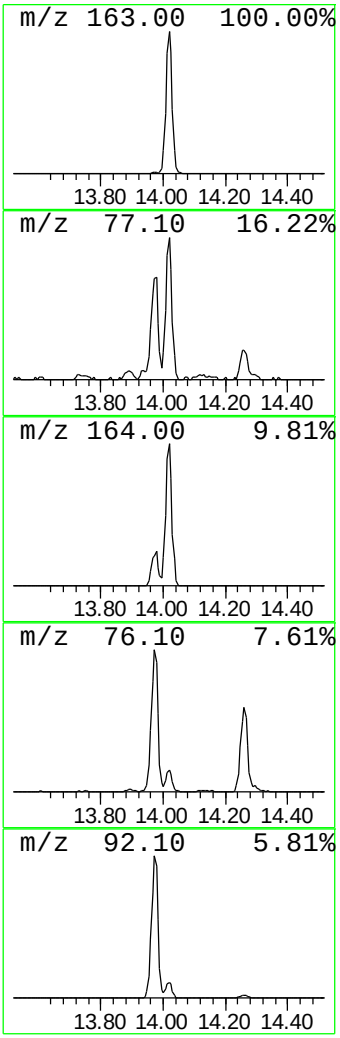
Peak Number 10 Dimethyl phthalate Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	3.21 ng/ul	185276	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl phthalate	194	C10H10O4	000131-11-3	91
2	2-Ethylbutyl methyl phthalate	264	C15H20O4	1000373-89-6	78
3	Phthalic acid, 2-bromo-4-fluorop...	352	C15H10BrFO4	1000315-62-3	78
4	Phthalic acid, methyl neopentyl ...	250	C14H18O4	1000315-53-9	78
5	Phthalic acid, 4-fluoro-2-nitrop...	319	C15H10FNO6	1000315-63-4	74





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Sample : L3635-03
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Instrument : BNA_G
ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

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

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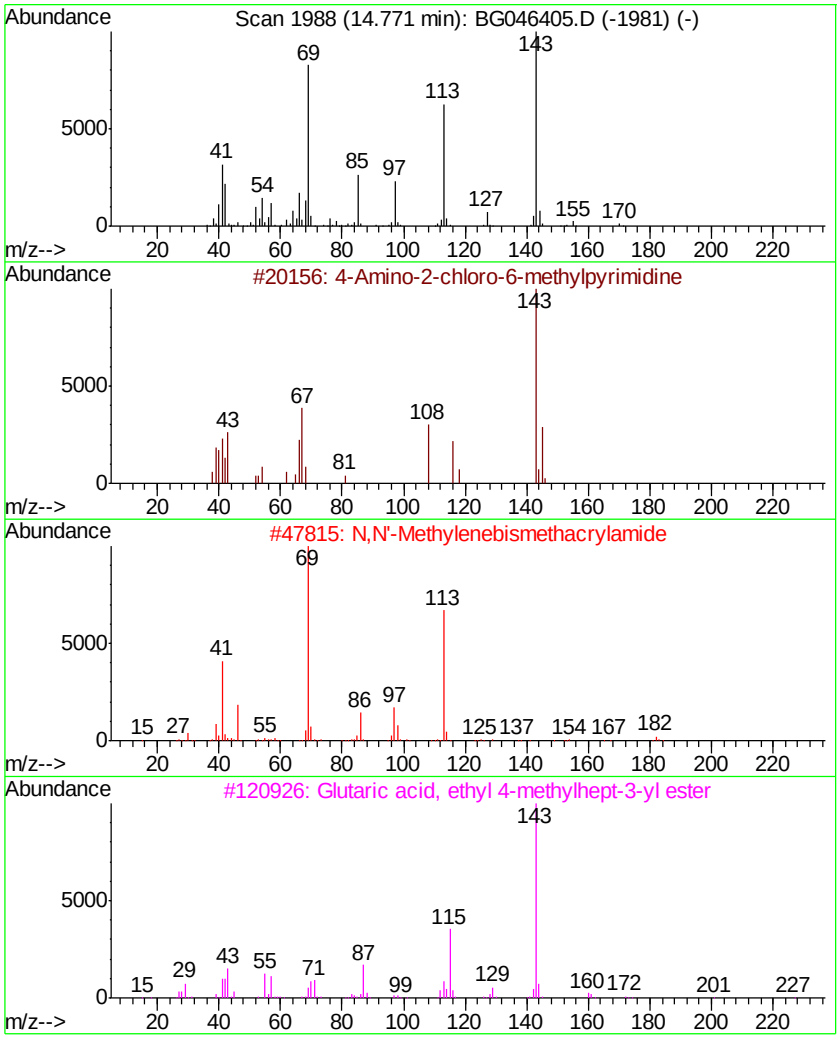
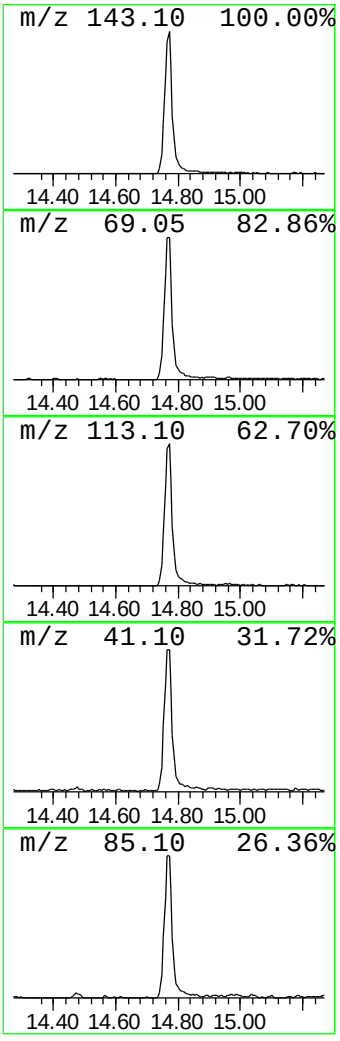
Peak Number 11 unknown-08 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	12.59 ng/ul	726423	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-2-chloro-6-methylpyrimidine	143	C5H6ClN3	014394-60-6	27
2	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	25
3	Glutaric acid, ethyl 4-methylhep...	272	C15H28O4	1000377-14-9	22
4	Diethyleneglycol dimethacrylate	242	C12H18O5	002358-84-1	17
5	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	16





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Instrument : BNA_G
ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

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

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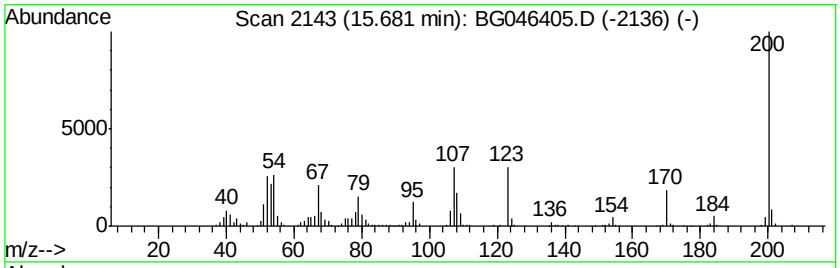
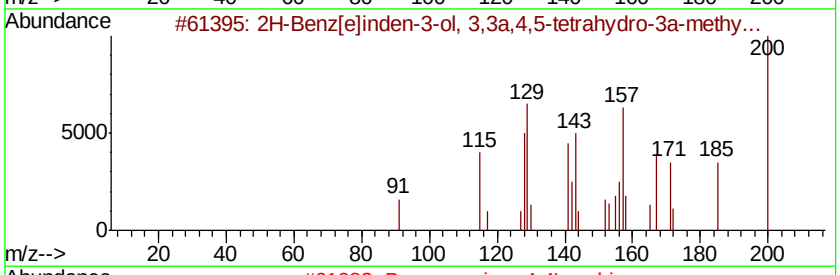
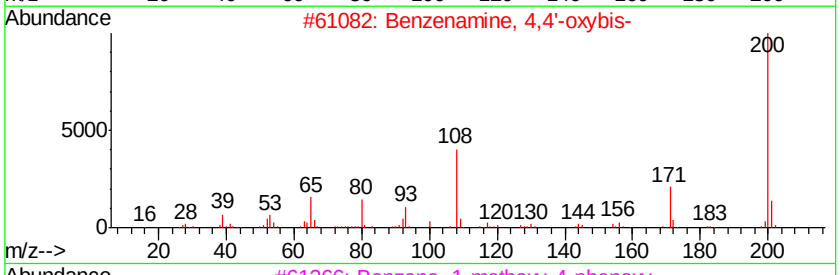
Peak Number 12 unknown-09 Concentration Rank 11

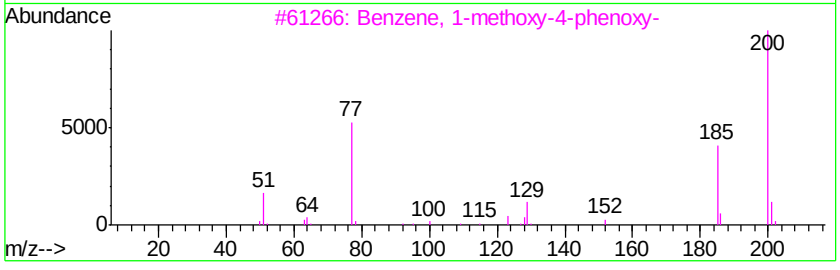
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	9.42 ng/ul	543210	Acenaphthene-d10	14.57

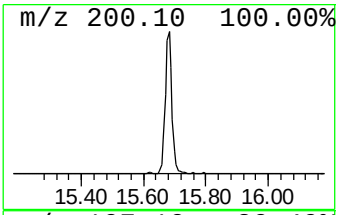
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	38
2	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	14
3	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	14
4	l-Leucine, N-isobutoxycarbonyl-N...	441	C26H51NO4	1000321-87-7	10
5	l-Leucine, N-neopentyloxycarbony...	357	C20H39NO4	1000328-02-5	10

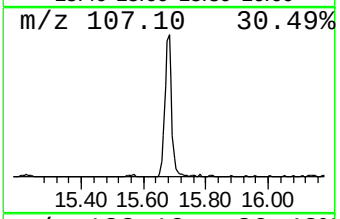


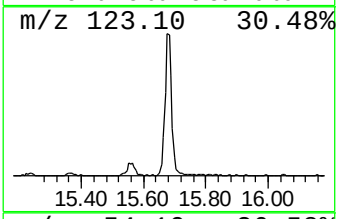


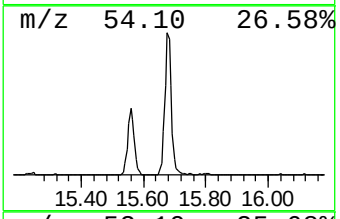


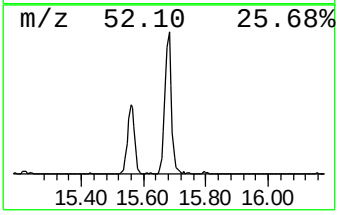












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Operator : CG/JU
Sample : L3635-03
Misc :
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Instrument : BNA_G
ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

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

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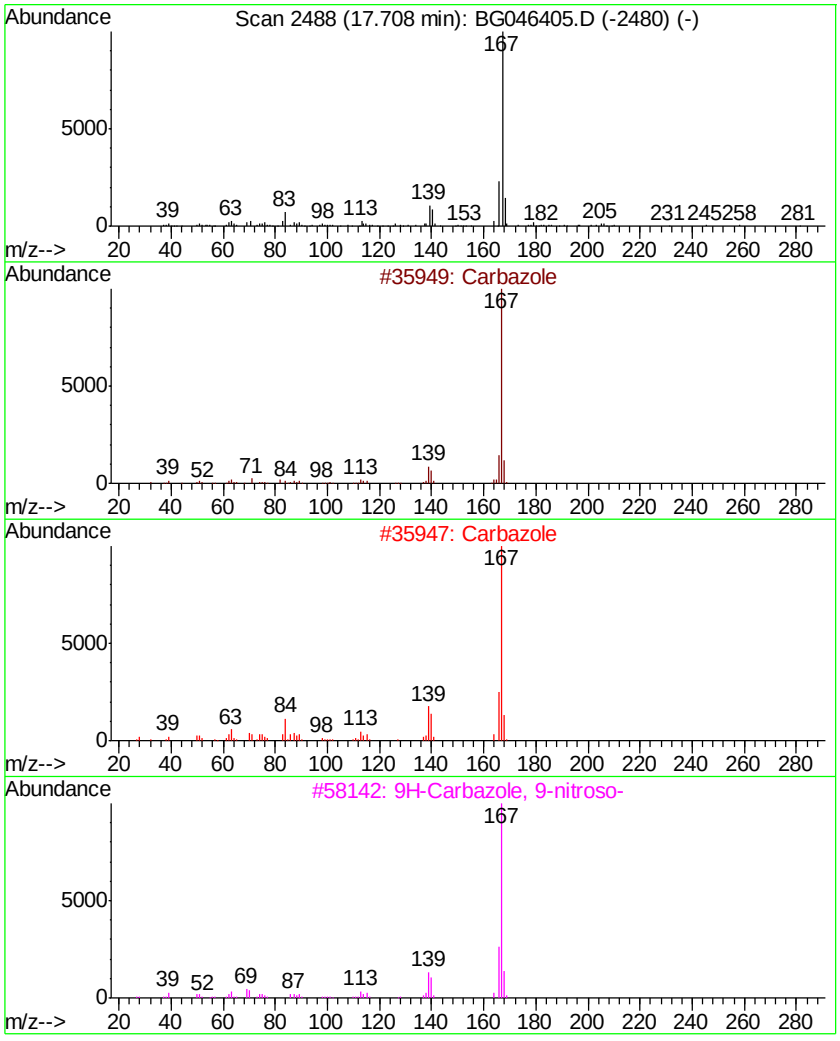
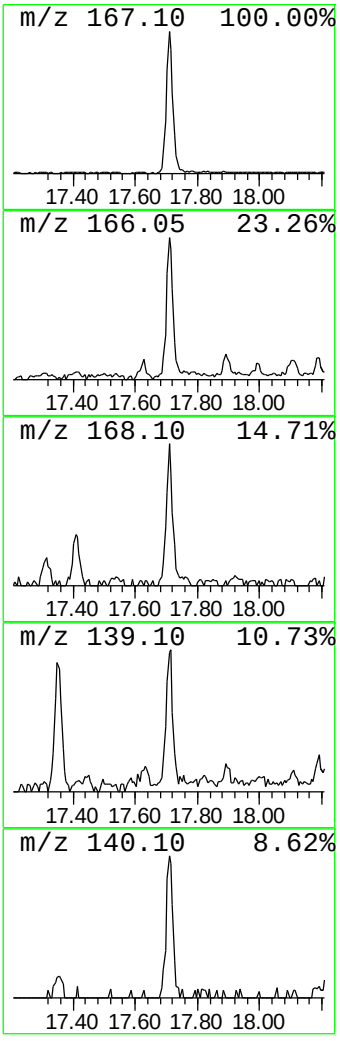
Peak Number 13 Carbazole Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	2.20 ng/ul	150664	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbazole	167	C12H9N	000086-74-8	87
2	Carbazole	167	C12H9N	000086-74-8	87
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	86
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	86
5	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	80





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TIC Library : C:\DATABASE\NIST11.L
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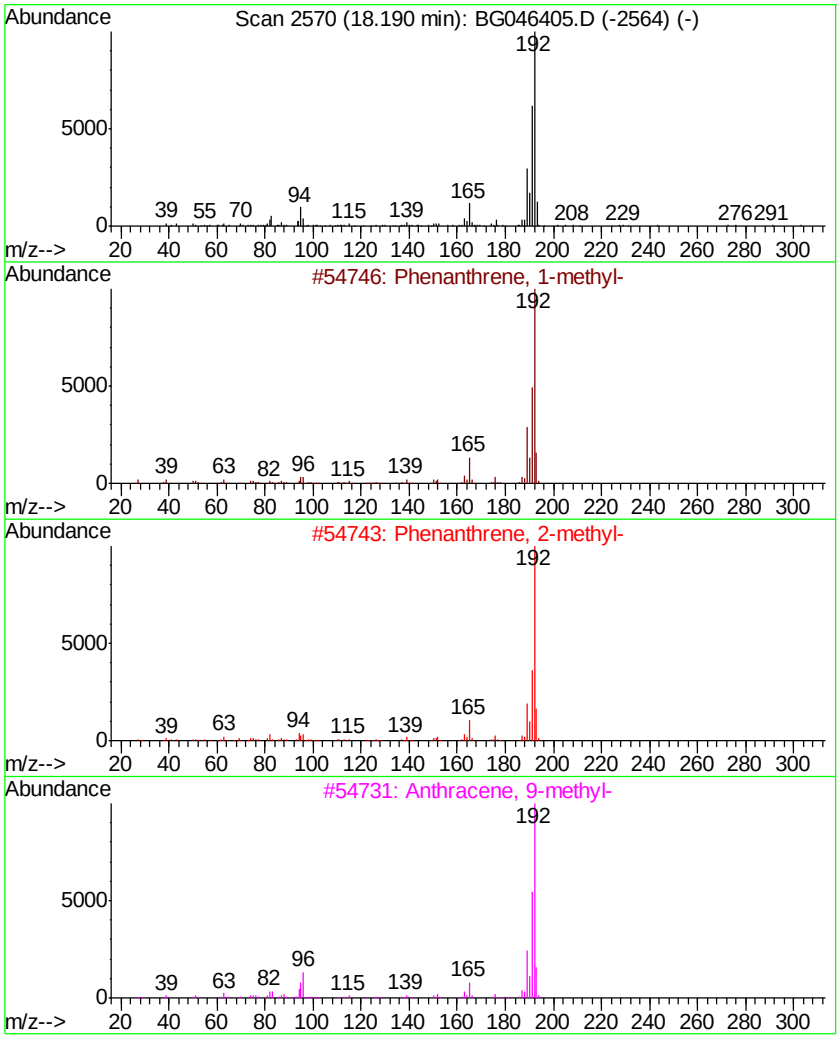
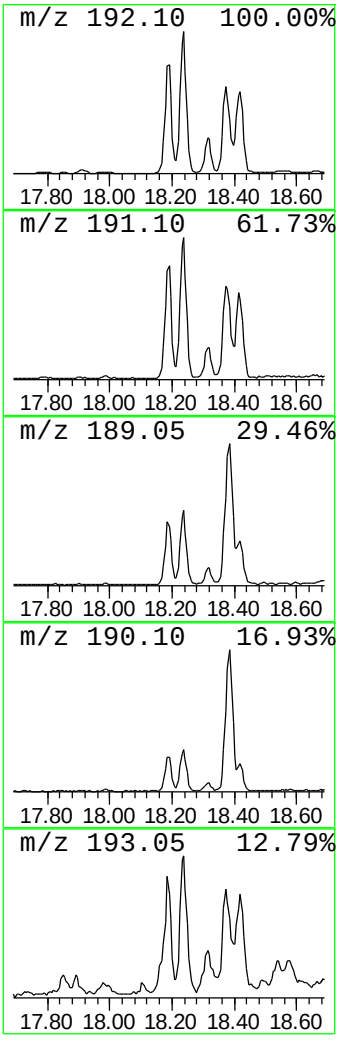
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.34 ng/ul	228836	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86





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ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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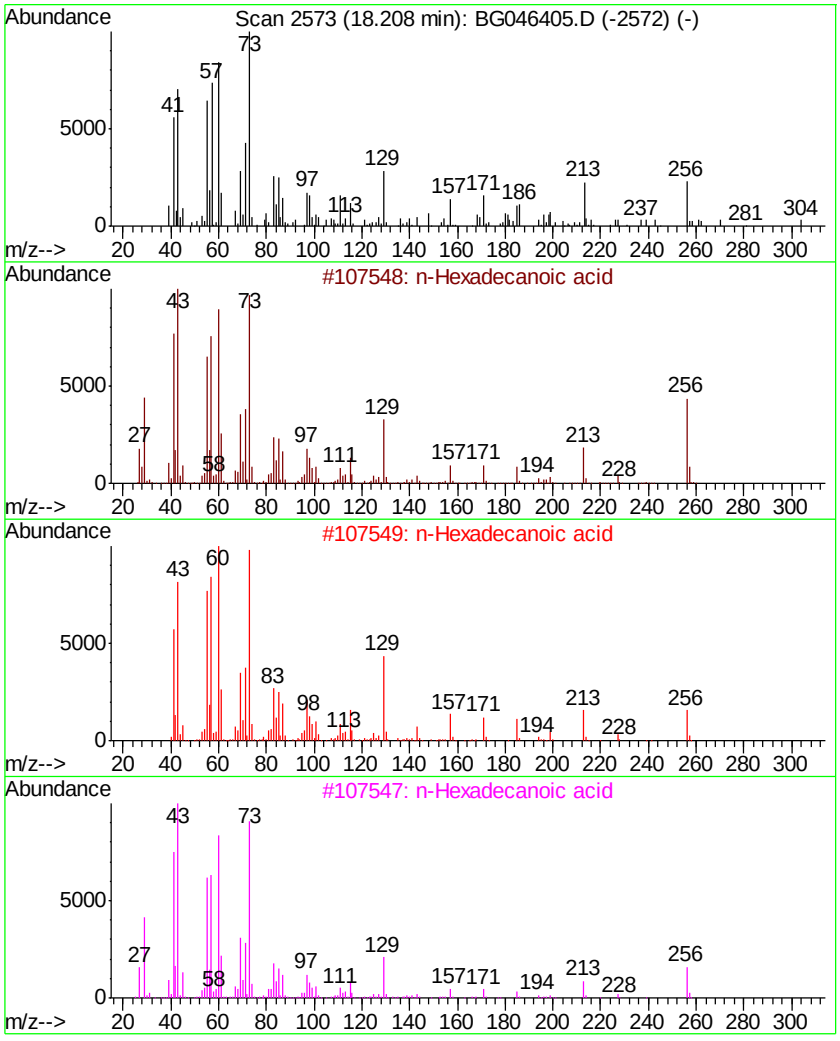
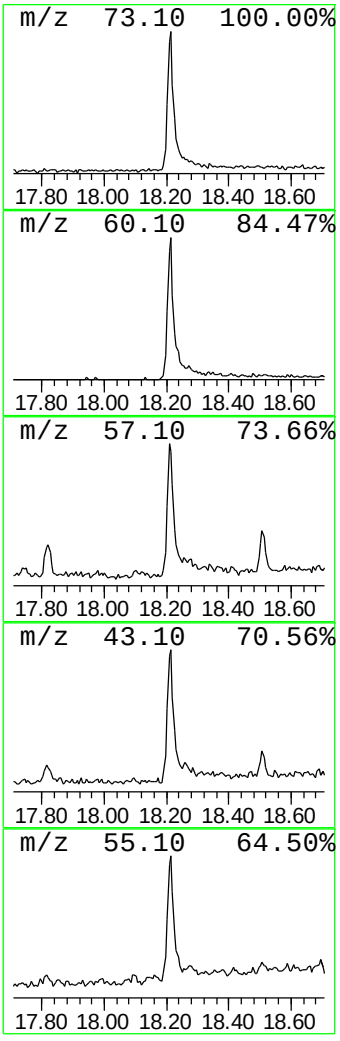
Peak Number 15 n-Hexadecanoic acid Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	2.27 ng/ul	155503	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	74
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	62
4	Octadecanoic acid	284	C18H36O2	000057-11-4	59
5	Tridecanoic acid	214	C13H26O2	000638-53-9	58





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Operator : CG/JU
Sample : L3635-03
Misc :
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Instrument : BNA_G
ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

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

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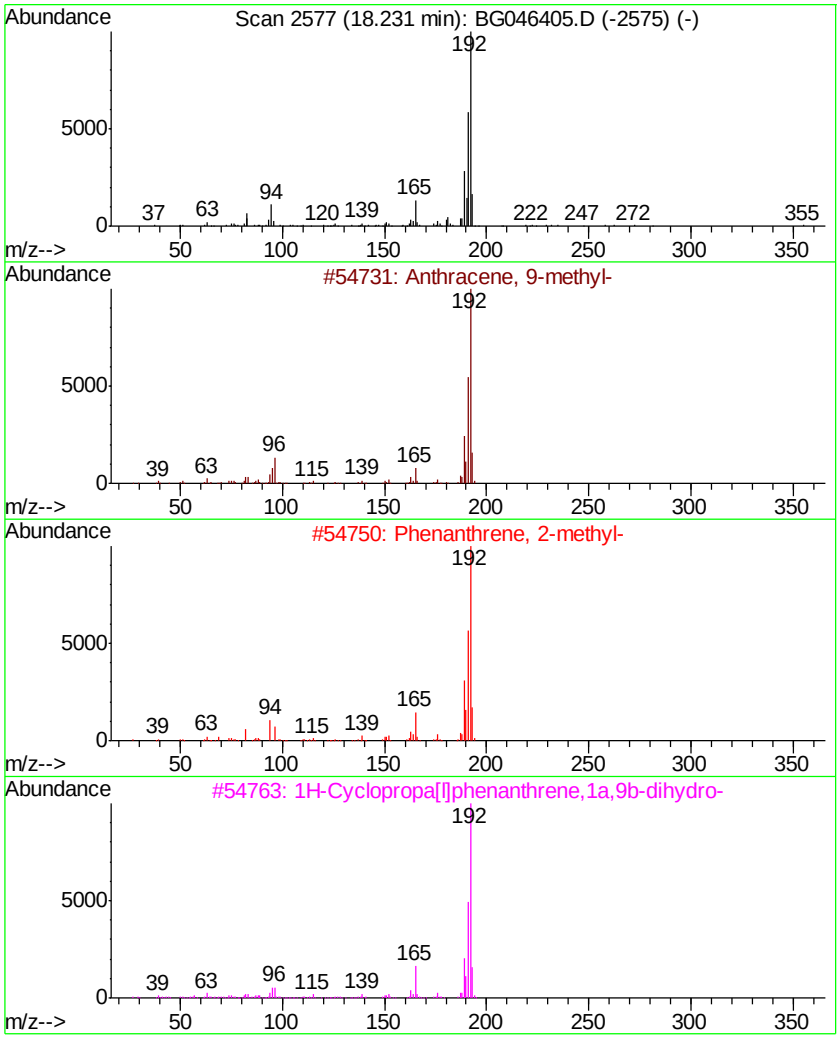
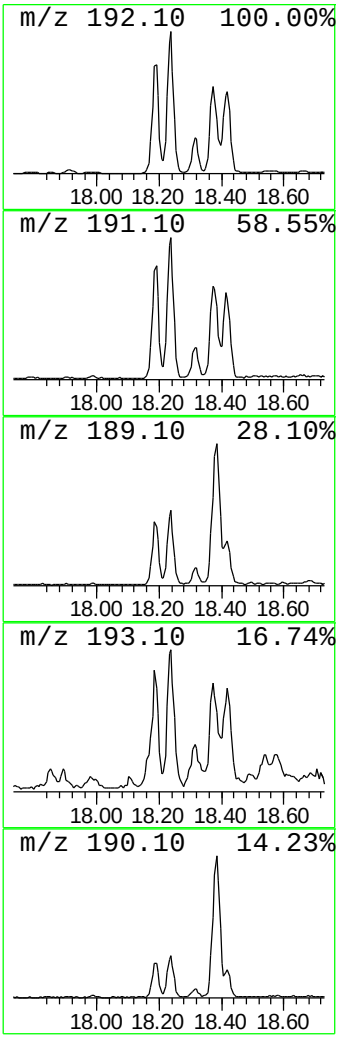
Peak Number 16 Anthracene, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	4.63 ng/ul	317622	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Instrument : BNA_G
ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

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

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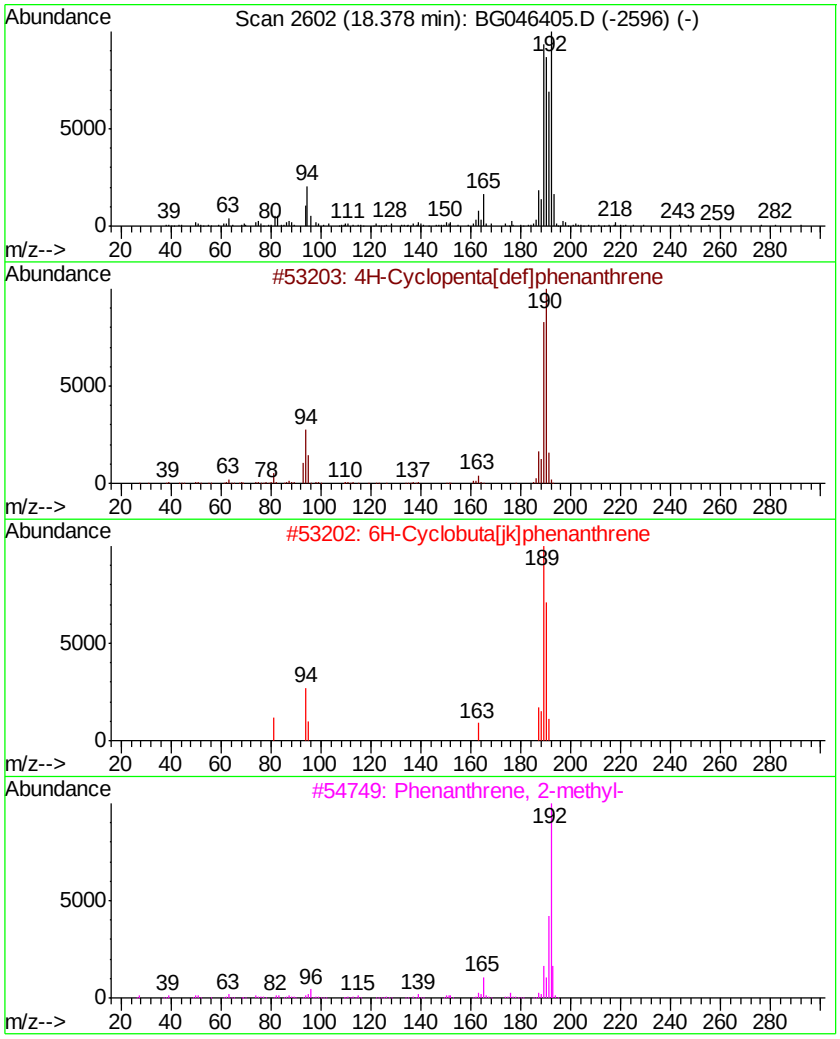
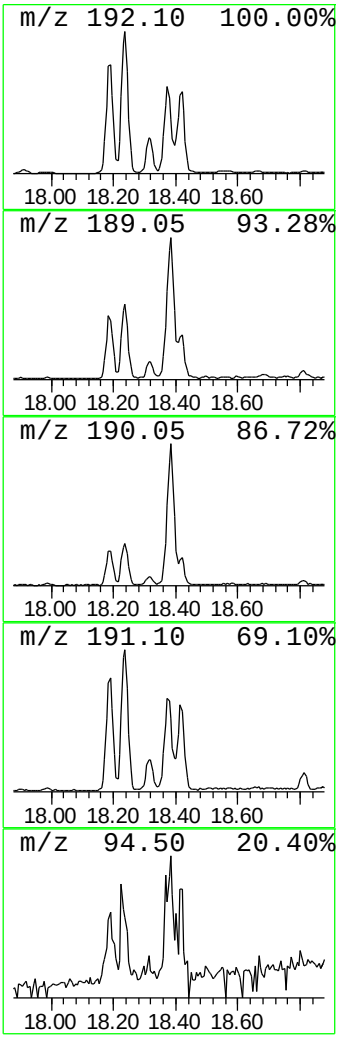
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	4.63 ng/ul	317140	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	41





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Instrument : BNA_G
ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

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

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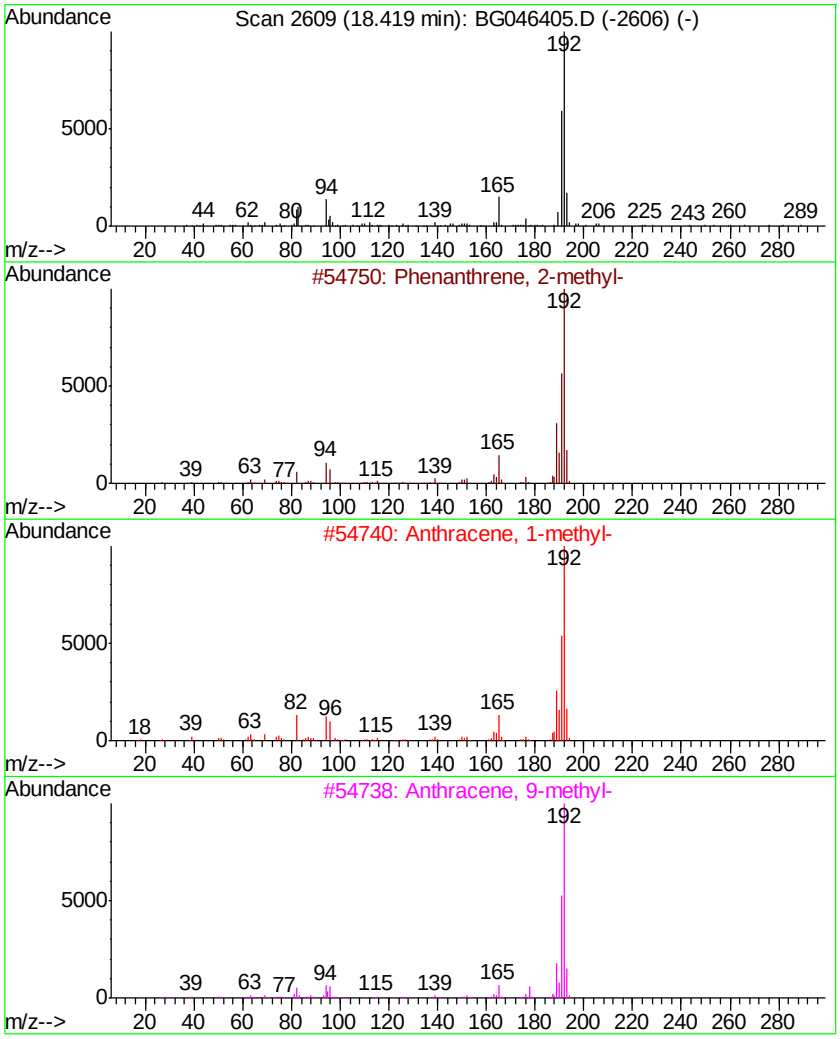
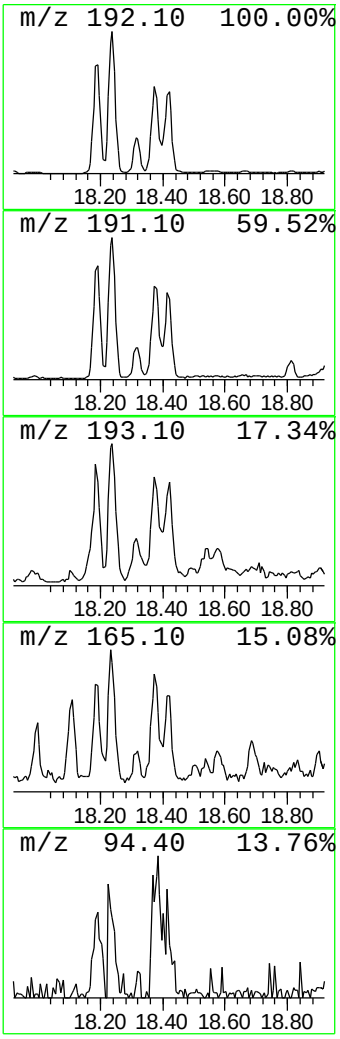
Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.10 ng/ul	143933	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86





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Instrument : BNA_G
ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

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

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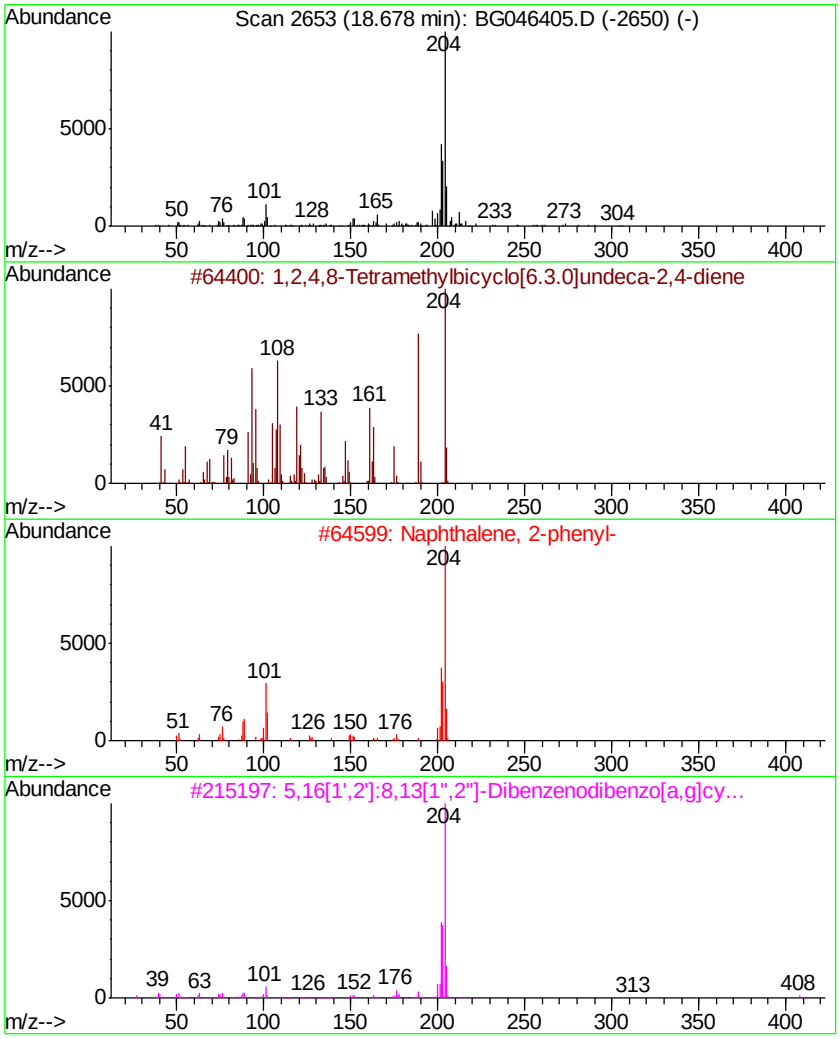
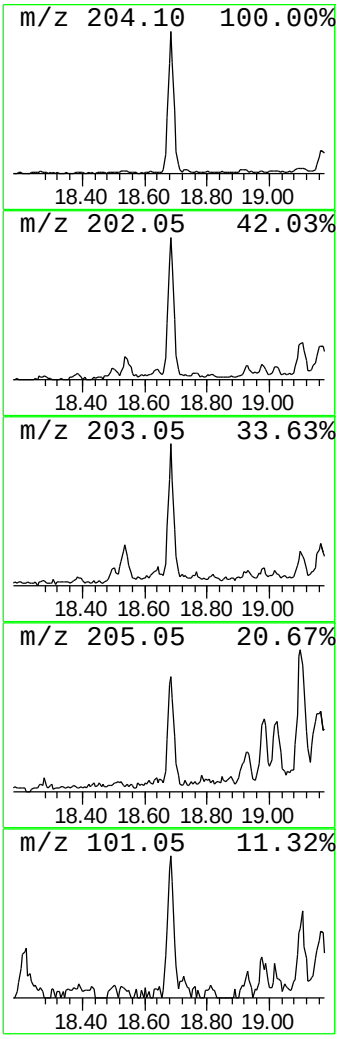
Peak Number 19 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	2.32 ng/ul	159253	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60





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Quant Title : SVOA CALIBRATION

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

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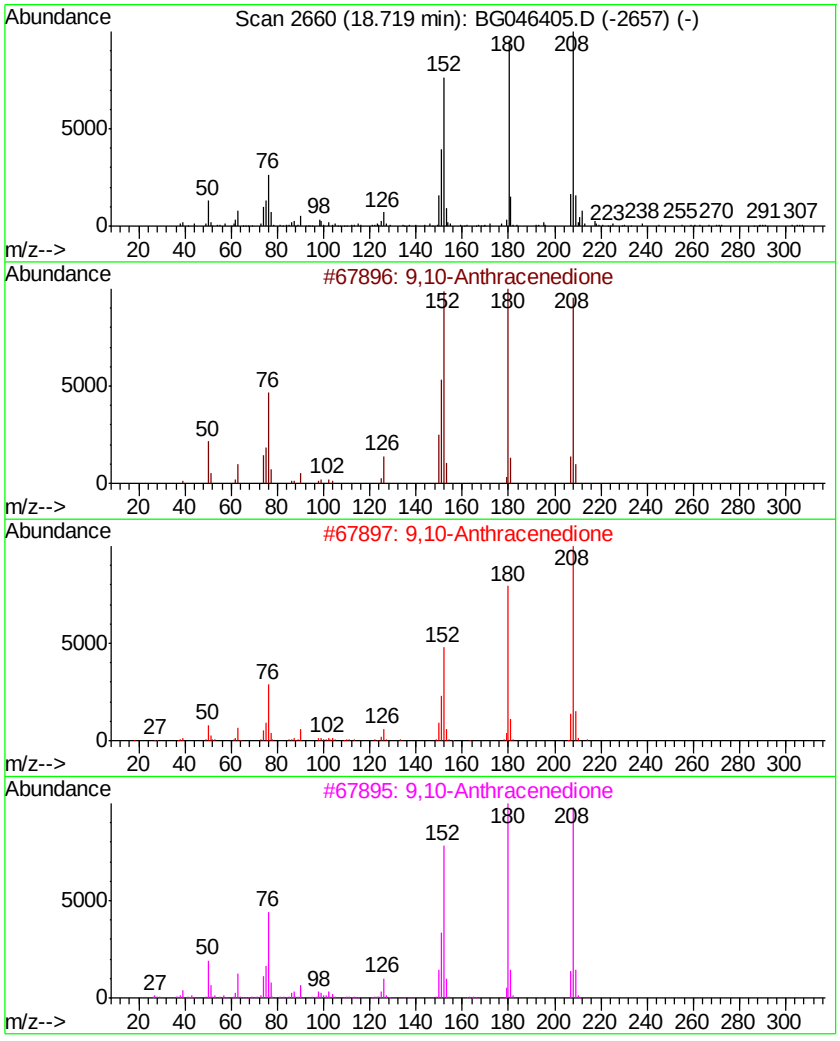
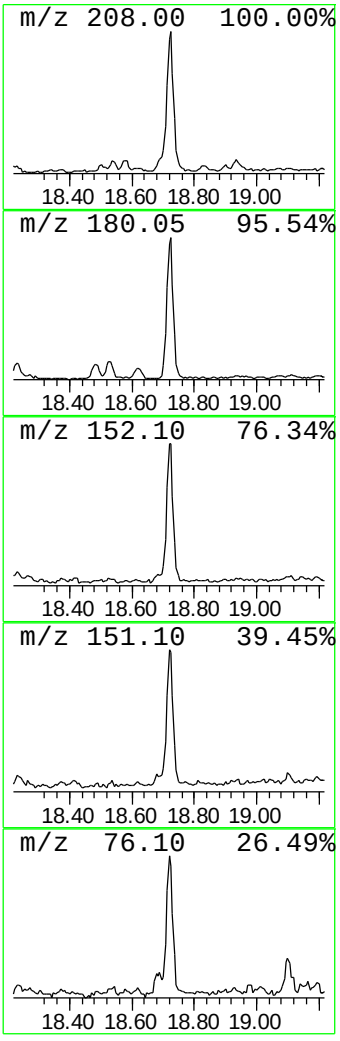
Peak Number 20 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.99 ng/ul	204759	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Sample : L3635-03
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Instrument : BNA_G
ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

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

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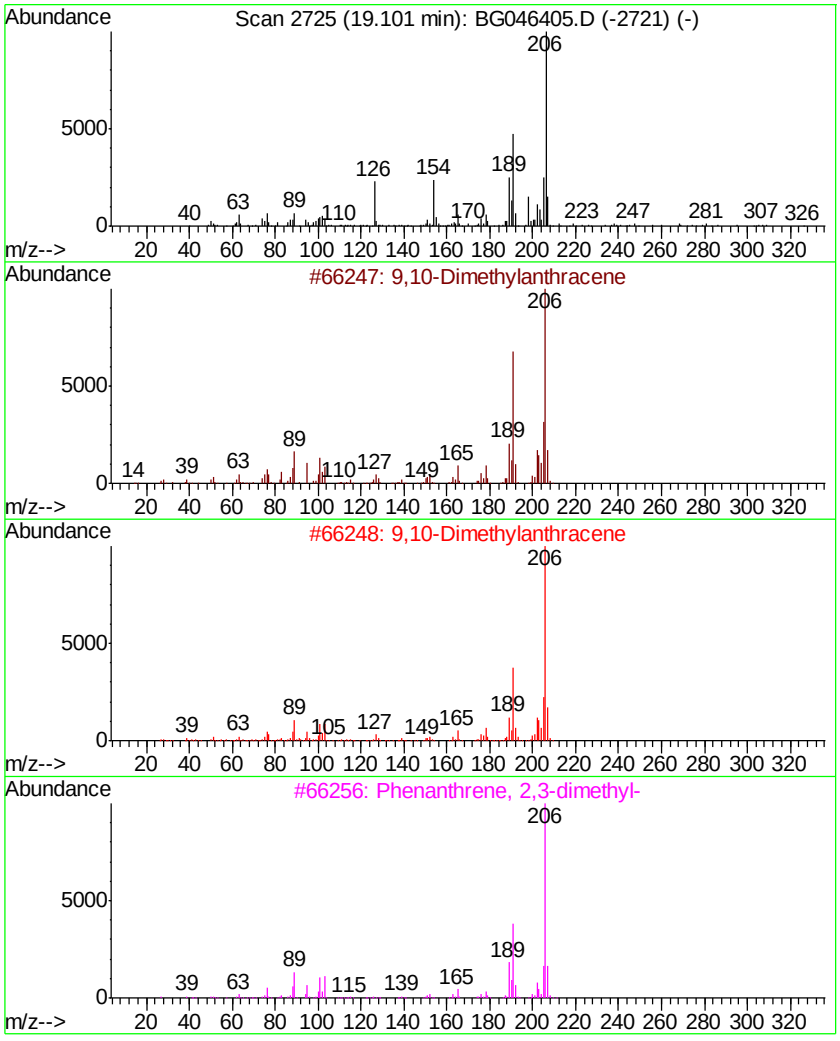
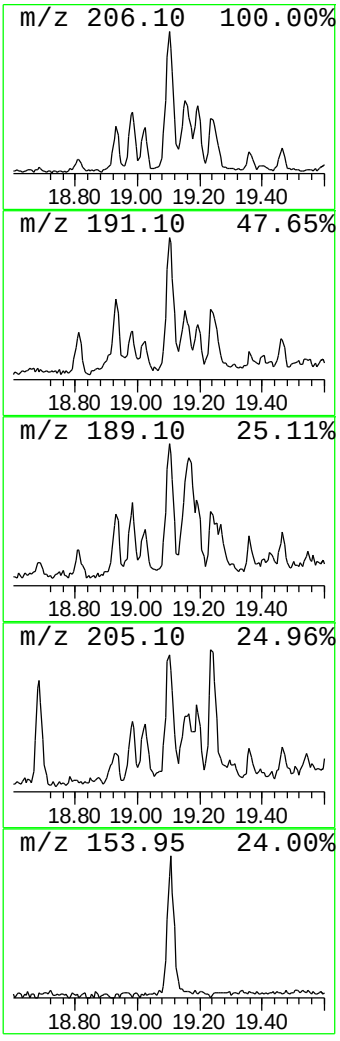
Peak Number 21 9,10-Dimethylanthracene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.79 ng/ul	191117	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	62
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	60
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	58





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Instrument : BNA_G
ClientSampleId : BFMG9

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Quant Title : SVOA CALIBRATION

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

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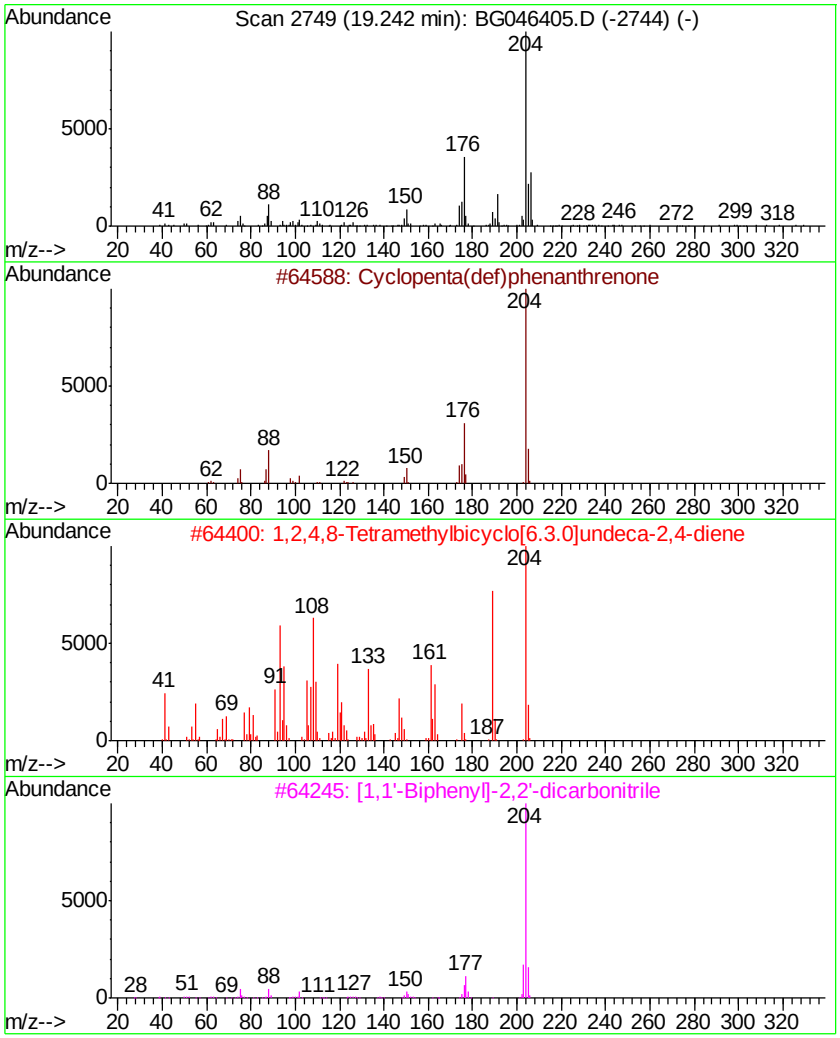
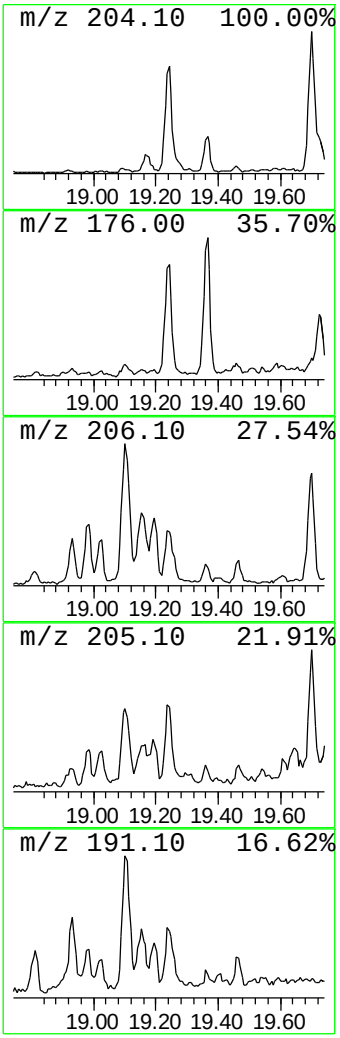
Peak Number 22 Cyclopenta(def)phenanthrenone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	2.77 ng/ul	190161	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]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





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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 23 p,p'-DDE Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	2.11 ng/ul	282242	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p,p'-DDE	316	C14H8Cl4	000072-55-9	99
2	p,p'-DDE	316	C14H8Cl4	000072-55-9	99
3	p,p'-DDE	316	C14H8Cl4	000072-55-9	99
4	p,p'-DDE	316	C14H8Cl4	000072-55-9	99
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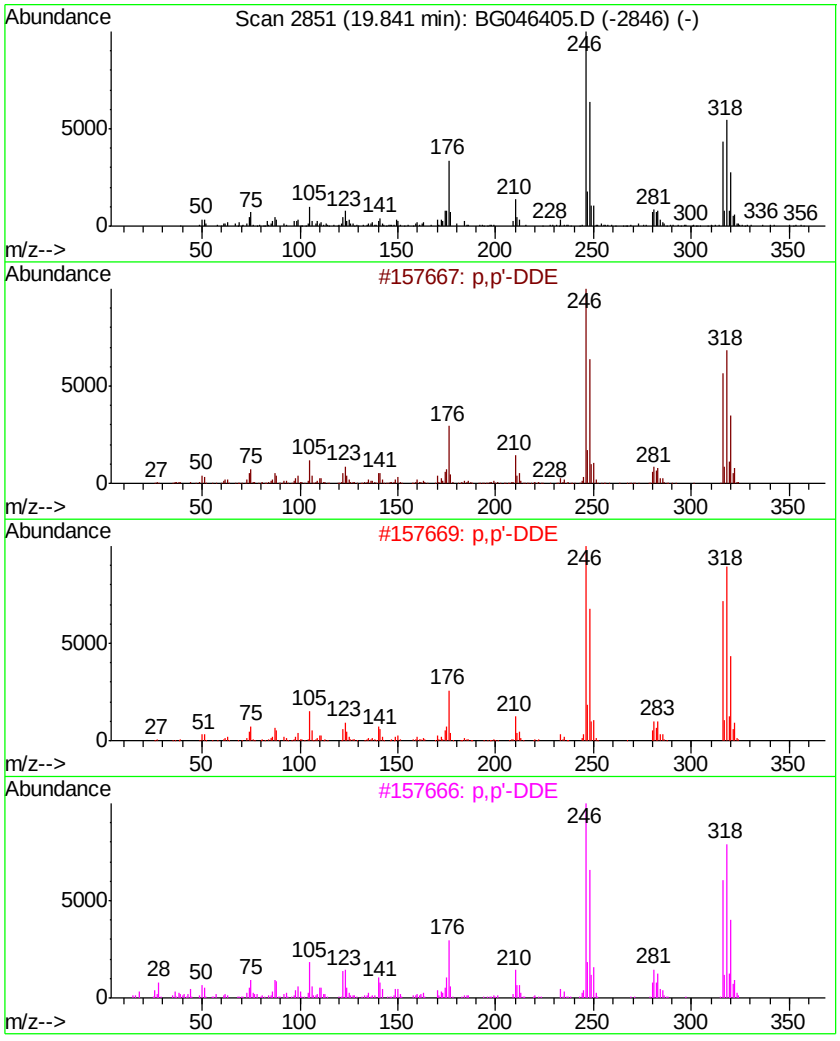

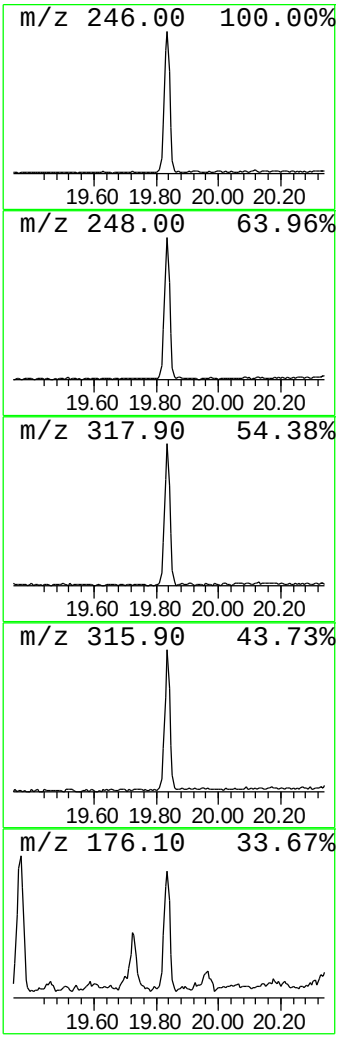

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Quant Title : SVOA CALIBRATION

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

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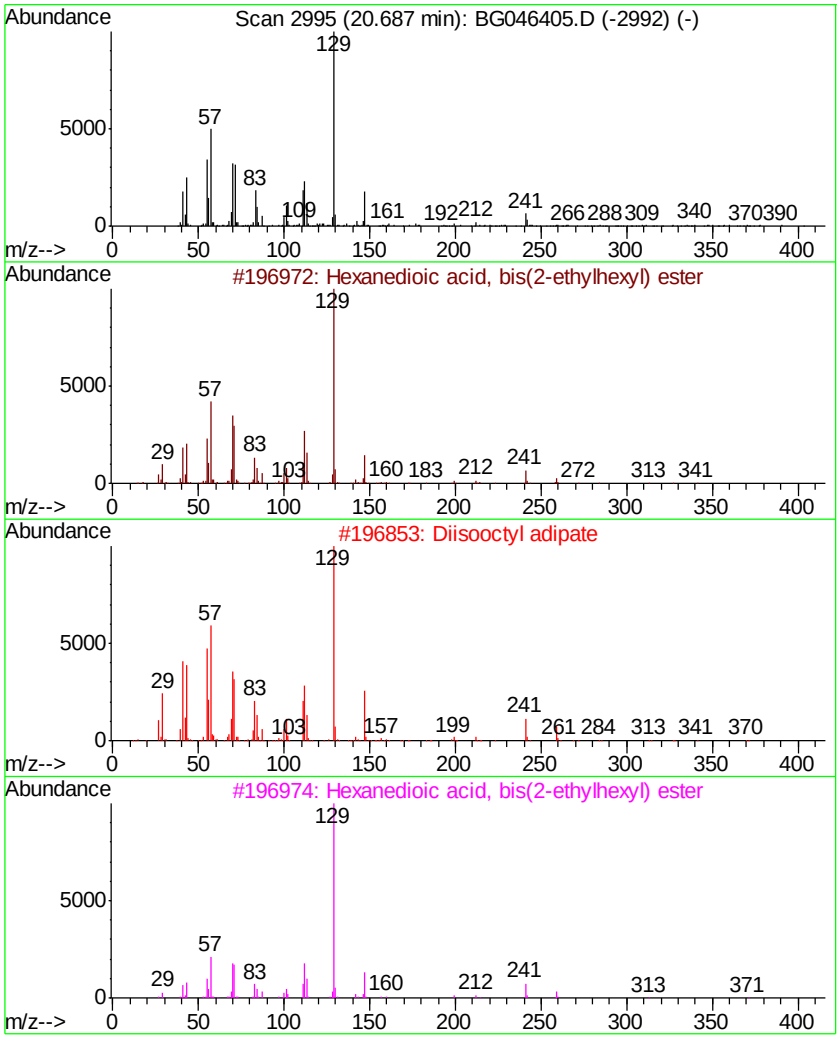
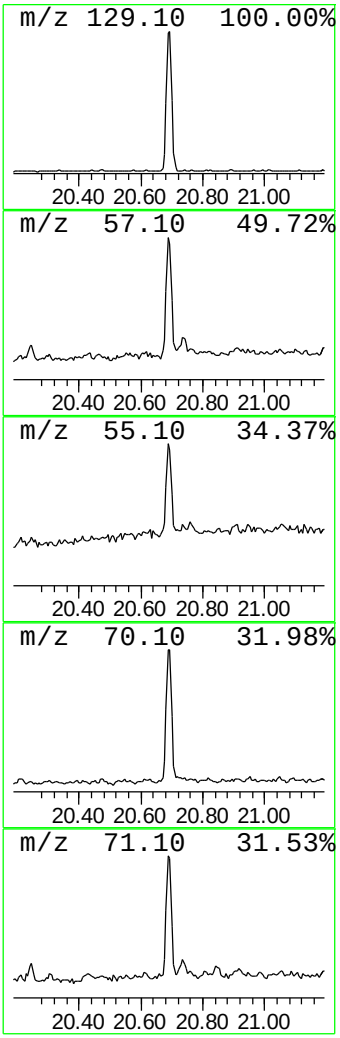
Peak Number 24 Hexanedioic acid, bis(2-eth... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	2.05 ng/ul	274302	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
2	Diisooctyl adipate	370	C22H42O4	001330-86-5	91
3	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	90
4	Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	90
5	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	89





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Quant Title : SVOA CALIBRATION

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

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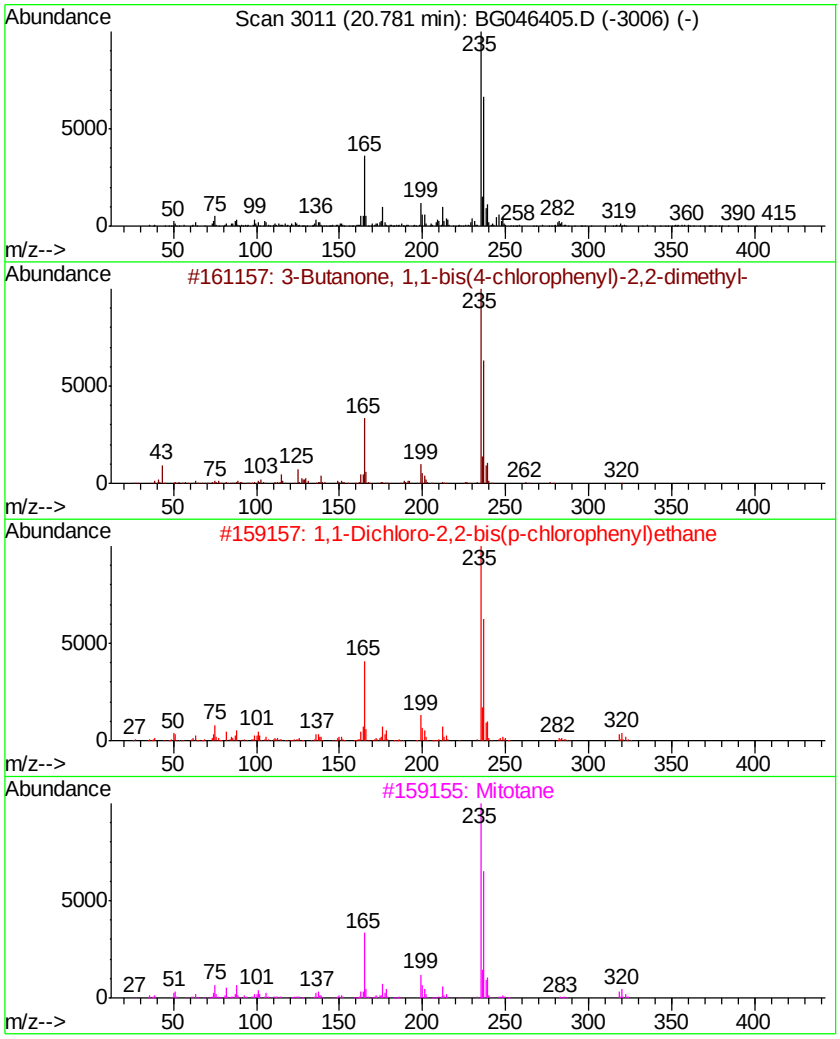
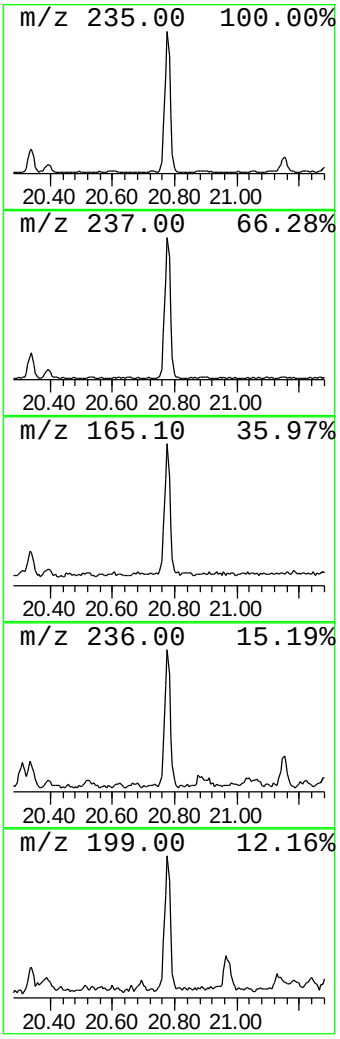
Peak Number 25 3-Butanone, 1,1-bis(4-chlor... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.78	3.51 ng/ul	470141	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butanone, 1,1-bis(4-chlorophen...	320	C18H18Cl2O	1000158-20-4	93
2	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	91
3	Mitotane	318	C14H10Cl4	000053-19-0	91
4	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	91
5	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	91





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Quant Title : SVOA CALIBRATION

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

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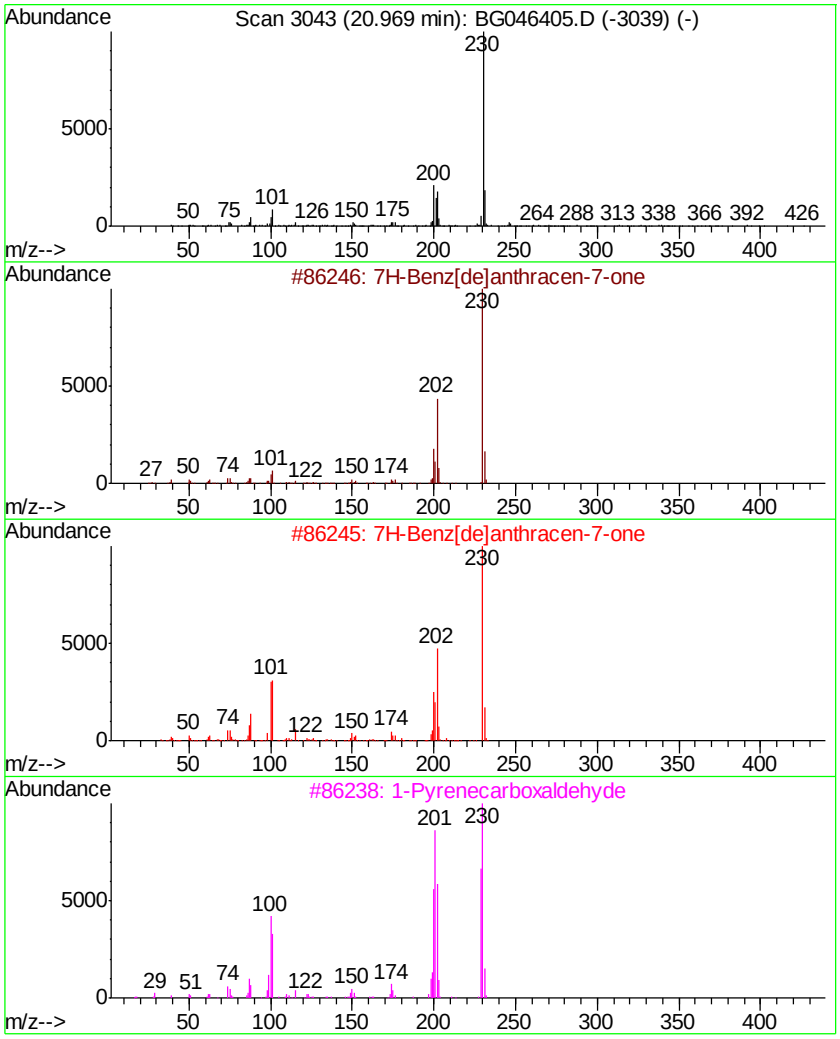
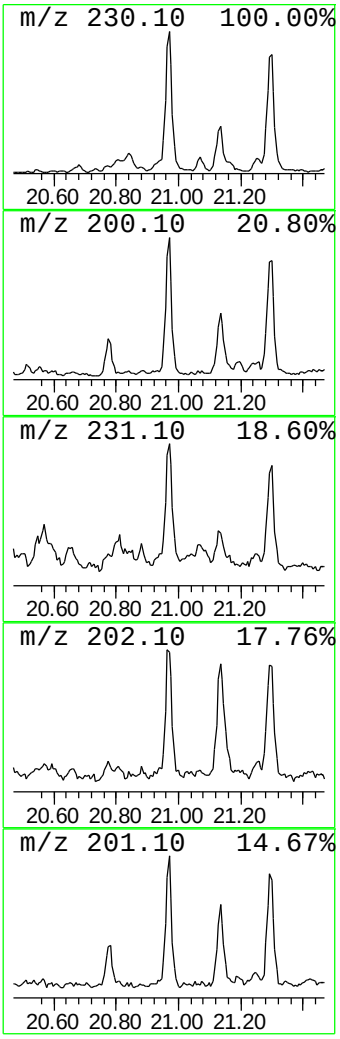
Peak Number 26 7H-Benz[de]anthracen-7-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.22 ng/ul	296982	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





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Sample : L3635-03
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG9

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

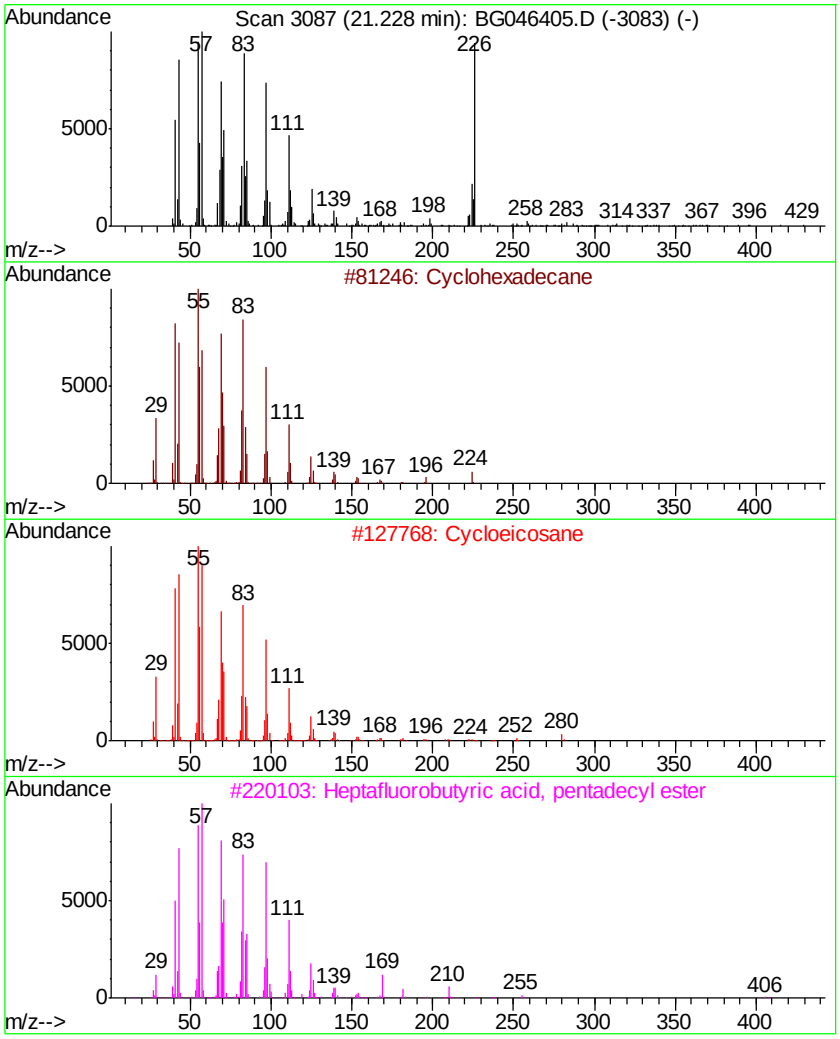
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

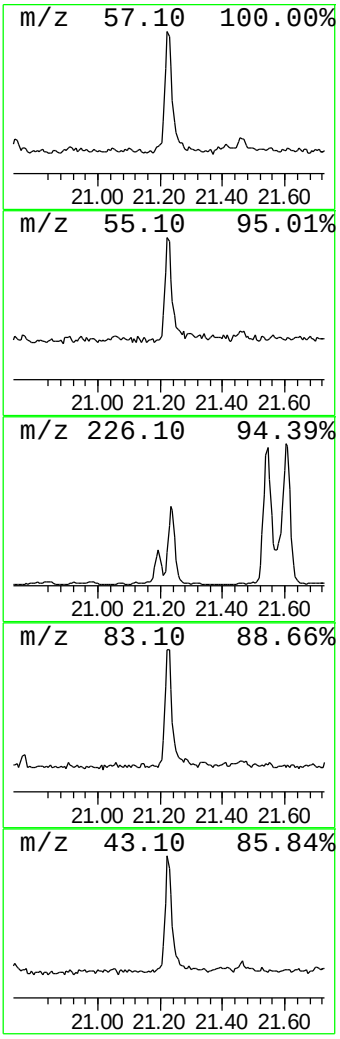
****

Peak Number 27 (DEL) Alkane: Cyclic21.23 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	4.57 ng/ul	612715	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	97
2	Cycloeicosane	280	C20H40	000296-56-0	90
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	90
5	1-Heneicosanol	312	C21H44O	015594-90-8	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046405.D
Acq On : 21 Aug 2020 9:21
Operator : CG/JU
Sample : L3635-03
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG9

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

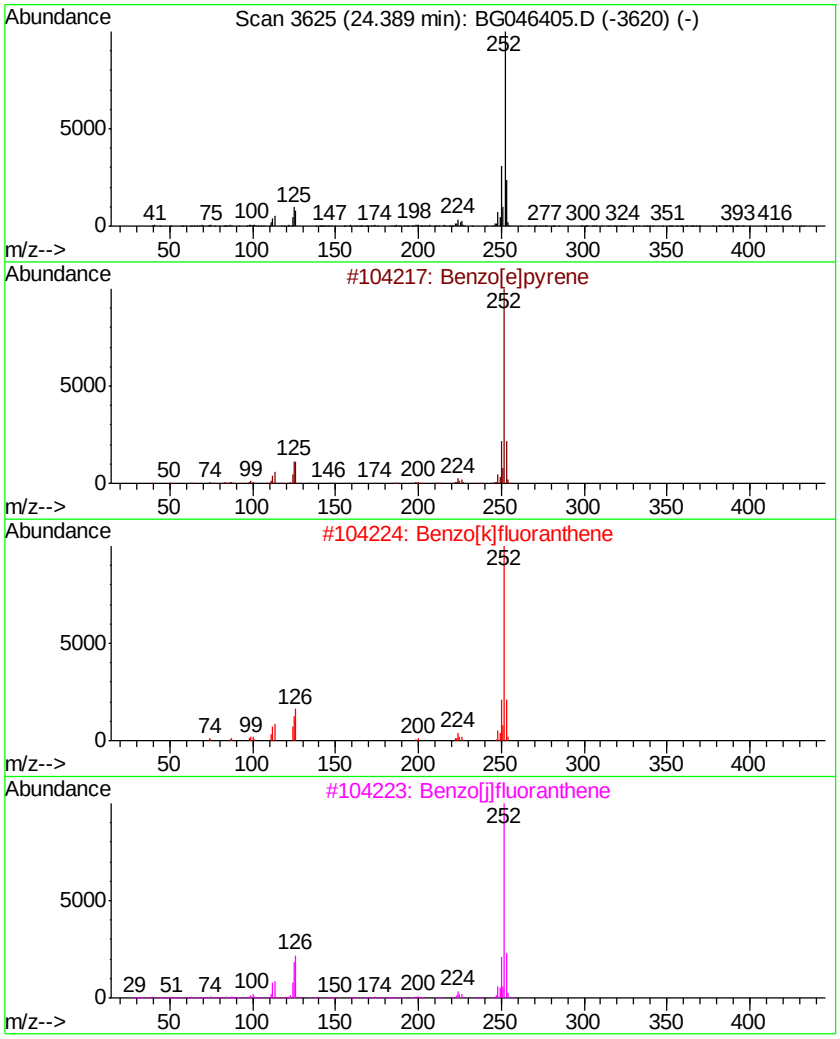
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

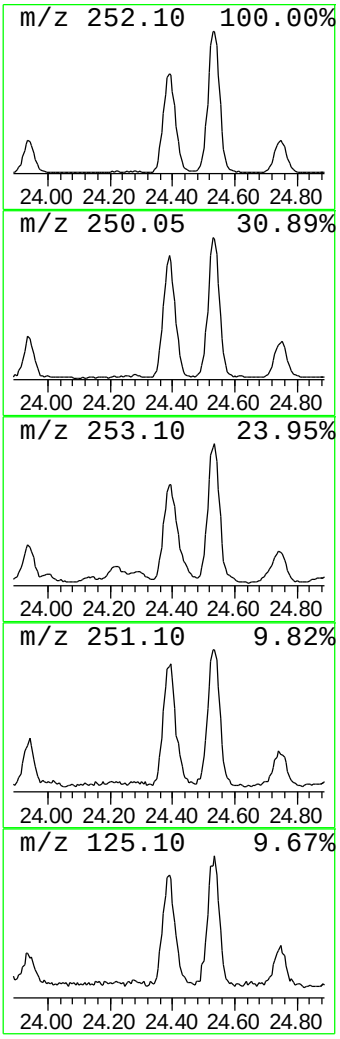
****

Peak Number 28 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.39	7.45 ng/ul	539515	Perylene-d12	24.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046405.D
Acq On : 21 Aug 2020 9:21
Operator : CG/JU
Sample : L3635-03
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG9

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	76.8	ng/ul	1976500	1	7.94	514695	20.0
4H-Imidazol-4-one...	7.11	31.1	ng/ul	800551	1	7.94	514695	20.0
unknown-01	7.27	22.2	ng/ul	570377	1	7.94	514695	20.0
unknown-02	7.47	30.9	ng/ul	794534	1	7.94	514695	20.0
unknown-03	8.65	37.6	ng/ul	966573	1	7.94	514695	20.0
unknown-04	9.09	28.8	ng/ul	741672	1	7.94	514695	20.0
unknown-05	9.82	16.7	ng/ul	649460	2	10.73	777908	20.0
unknown-06	10.86	19.4	ng/ul	755496	2	10.73	777908	20.0
unknown-07	13.97	27.8	ng/ul	1605060	3	14.57	1153700	20.0
Dimethyl phthalate	14.02	3.2	ng/ul	185276	3	14.57	1153700	20.0
unknown-08	14.77	12.6	ng/ul	726423	3	14.57	1153700	20.0
unknown-09	15.68	9.4	ng/ul	543210	3	14.57	1153700	20.0
Carbazole	17.71	2.2	ng/ul	150664	4	17.31	1370830	20.0
Phenanthrene, 1-m...	18.19	3.3	ng/ul	228836	4	17.31	1370830	20.0
n-Hexadecanoic acid	18.21	2.3	ng/ul	155503	4	17.31	1370830	20.0
Anthracene, 9-met...	18.23	4.6	ng/ul	317622	4	17.31	1370830	20.0
4H-Cyclopenta[def...	18.38	4.6	ng/ul	317140	4	17.31	1370830	20.0
Phenanthrene, 2-m...	18.42	2.1	ng/ul	143933	4	17.31	1370830	20.0
1,2,4,8-Tetrameth...	18.68	2.3	ng/ul	159253	4	17.31	1370830	20.0
9,10-Anthracenedione	18.72	3.0	ng/ul	204759	4	17.31	1370830	20.0
9,10-Dimethylanth...	19.10	2.8	ng/ul	191117	4	17.31	1370830	20.0
Cyclopenta(def)ph...	19.24	2.8	ng/ul	190161	4	17.31	1370830	20.0
p,p'-DDE	19.84	2.1	ng/ul	282242	5	21.56	2680500	20.0
Hexanedioic acid,...	20.69	2.0	ng/ul	274302	5	21.56	2680500	20.0
3-Butanone, 1,1-b...	20.78	3.5	ng/ul	470141	5	21.56	2680500	20.0
7H-Benz[de]anthra...	20.97	2.2	ng/ul	296982	5	21.56	2680500	20.0
(DEL) Alkane: Cyc...	21.23	4.6	ng/ul	612715	5	21.56	2680500	20.0
Benzo[e]pyrene	24.39	7.5	ng/ul	539515	6	24.68	1448970	20.0