LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\
Data File : BG048253.D
Acq On : 21 Feb 2021 2:52
Operator : CG/JU
Sample : M1415-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBH24

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-BG021321MA.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	3.508	26	29	37	rVB5	6315	12653	0.10%	0.030%
2	4.266	154	158	164	rVB	8227	13611	0.11%	0.033%
3	6.781	581	586	593	rVB3	11908	20073	0.16%	0.048%
4	7.251	662	666	671	rBV3	17615	30528	0.24%	0.074%
5	7.316	671	677	687	rVB2	138733	284220	2.26%	0.685%
6	7.439	689	698	706	rBV	91693	164035	1.30%	0.395%
7	7.521	706	712	717	rVB	37493	62327	0.50%	0.150%
8	7.603	721	726	730	rBV4	11713	18803	0.15%	0.045%
9	7.662	730	736	742	rVB	130309	224543	1.79%	0.541%
10	7.968	780	788	791	rBV4	6904	14476	0.12%	0.035%
11	8.115	805	813	820	rBV	162352	279102	2.22%	0.672%
12	8.238	829	834	840	rVB4	10812	18162	0.14%	0.044%
13	8.408	854	863	868	rBV6	7416	20000	0.16%	0.048%
14	8.855	933	939	948	rVB	158077	278436	2.22%	0.671%
15	9.290	1005	1013	1020	rBV	127426	235174	1.87%	0.567%
16	9.360	1020	1025	1032	rVB2	19228	35430	0.28%	0.085%
17	9.842	1099	1107	1112	rBV4	12151	22347	0.18%	0.054%
18	10.012	1127	1136	1144	rBV	122277	227555	1.81%	0.548%
19	10.289	1178	1183	1185	rBV2	12270	16158	0.13%	0.039%
20	10.336	1186	1191	1198	rVB2	48152	85398	0.68%	0.206%
21	10.571	1222	1231	1242	rVB	181721	337228	2.68%	0.812%
22	10.706	1247	1254	1264	rVV2	28581	59614	0.47%	0.144%
23	10.929	1283	1292	1298	rBV	213379	384585	3.06%	0.926%
24	10.982	1298	1301	1307	rVB4	19886	29803	0.24%	0.072%
25	11.082	1308	1318	1325	rBV3	32444	73682	0.59%	0.178%
26	12.650	1578	1585	1594	rBV3	22857	42941	0.34%	0.103%
27	13.673	1754	1759	1767	rVB2	41979	70210	0.56%	0.169%
28	14.143	1833	1839	1844	rBV	318309	461819	3.67%	1.113%
29	14.190	1844	1847	1852	rVB	60338	76661	0.61%	0.185%
30	14.442	1882	1890	1896	rBV	339041	540821	4.30%	1.303%
31	14.601	1913	1917	1924	rVB5	9374	17951	0.14%	0.043%
32	14.742	1931	1941	1948	rBV	366255	566336	4.51%	1.364%
33	15.001	1977	1985	1998	rBV2	105389	197716	1.57%	0.476%
34	15.118	2000	2005	2010	rVV6	17772	30096	0.24%	0.073%

LSC Area Percent Report

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Acq On : 21 Feb 2021 2:52
Operator : CG/JU
Sample : M1415-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBH24

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-BG021321MA.M
Title : SVOA CALIBRATION

35	15.541	2074	2077	2085	rVB7	9268	17549	0.14%	0.042%
36	15.729	2102	2109	2120	rBV	440427	680928	5.42%	1.640%
37	15.864	2126	2132	2139	rBV	153061	232785	1.85%	0.561%
38	17.486	2402	2408	2414	rBV	428862	661220	5.26%	1.593%
39	17.586	2420	2425	2435	rVB	458139	716756	5.70%	1.727%
40	17.744	2448	2452	2456	rVB4	19916	26550	0.21%	0.064%
41	18.126	2512	2517	2518	rBV5	20299	29692	0.24%	0.072%
42	18.338	2549	2553	2556	rBV5	24734	35672	0.28%	0.086%
43	18.426	2564	2568	2571	rBV5	23996	37266	0.30%	0.090%
44	18.473	2573	2576	2580	rVV5	26059	36634	0.29%	0.088%
45	18.591	2591	2596	2600	rVB3	144457	209877	1.67%	0.506%
46	18.632	2600	2603	2604	rBV3	15953	15710	0.12%	0.038%
47	18.673	2606	2610	2612	rVV4	55525	84920	0.68%	0.205%
48	18.702	2612	2615	2619	rVB2	111620	148612	1.18%	0.358%
49	18.761	2619	2625	2631	rBV	1531327	2139687	17.02%	5.155%
50	18.873	2640	2644	2646	rBV4	30009	40548	0.32%	0.098%
51	18.902	2646	2649	2651	rVV4	30317	32316	0.26%	0.078%
52	18.943	2651	2656	2665	rVB	1392377	2077205	16.53%	5.004%
53	19.019	2665	2669	2670	rBV4	49744	55721	0.44%	0.134%
54	19.049	2670	2674	2675	rVV4	83779	109032	0.87%	0.263%
55	19.084	2675	2680	2686	rVB	2476600	3296663	26.23%	7.942%
56	19.143	2687	2690	2695	rVB6	23053	41498	0.33%	0.100%
57	19.219	2698	2703	2707	rBV3	196911	282588	2.25%	0.681%
58	19.278	2708	2713	2718	rBV2	97921	159875	1.27%	0.385%
59	19.360	2724	2727	2734	rVB5	36163	52331	0.42%	0.126%
60	19.431	2735	2739	2742	rBV5	25276	44716	0.36%	0.108%
61	19.578	2759	2764	2770	rVB	2529106	3385028	26.93%	8.155%
62	19.660	2774	2778	2783	rVB6	51988	96480	0.77%	0.232%
63	19.736	2788	2791	2794	rBV4	40518	43386	0.35%	0.105%
64	19.871	2809	2814	2819	rBV	581228	866401	6.89%	2.087%
65	19.971	2826	2831	2838	rBV4	160489	343546	2.73%	0.828%
66	20.042	2839	2843	2847	rBV4	148977	238768	1.90%	0.575%
67	20.136	2853	2859	2863	rBV6	156995	317587	2.53%	0.765%
68	20.200	2867	2870	2872	rVV4	157368	217763	1.73%	0.525%
69	20.236	2872	2876	2880	rVV	855179	1138350	9.06%	2.742%
70	20.312	2880	2889	2894	rVV	8955617	12570052	100.00%	30.282%
71	20.371	2896	2899	2903	rVB3	183087	214327	1.71%	0.516%

LSC Area Percent Report

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Sample : M1415-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBH24

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-BG021321MA.M
Title : SVOA CALIBRATION

72	20.471	2913	2916	2919	rBV4	65410	115558	0.92%	0.278%
73	20.512	2919	2923	2929	rVB2	1054617	1312774	10.44%	3.163%
74	20.635	2939	2944	2947	rBV	298925	446597	3.55%	1.076%
75	20.817	2966	2975	2980	rBV	584769	982462	7.82%	2.367%
76	20.876	2982	2985	2992	rVB	157429	252085	2.01%	0.607%
77	21.287	3051	3055	3056	rBV	144917	182725	1.45%	0.440%
78	21.769	3132	3137	3145	rVB2	489658	969622	7.71%	2.336%
79	22.186	3204	3208	3212	rVB	146217	219640	1.75%	0.529%
80	24.842	3654	3660	3673	rVB	276019	753587	6.00%	1.815%
81	25.077	3694	3700	3708	rVB2	239855	624118	4.97%	1.504%

Sum of corrected areas: 41509701

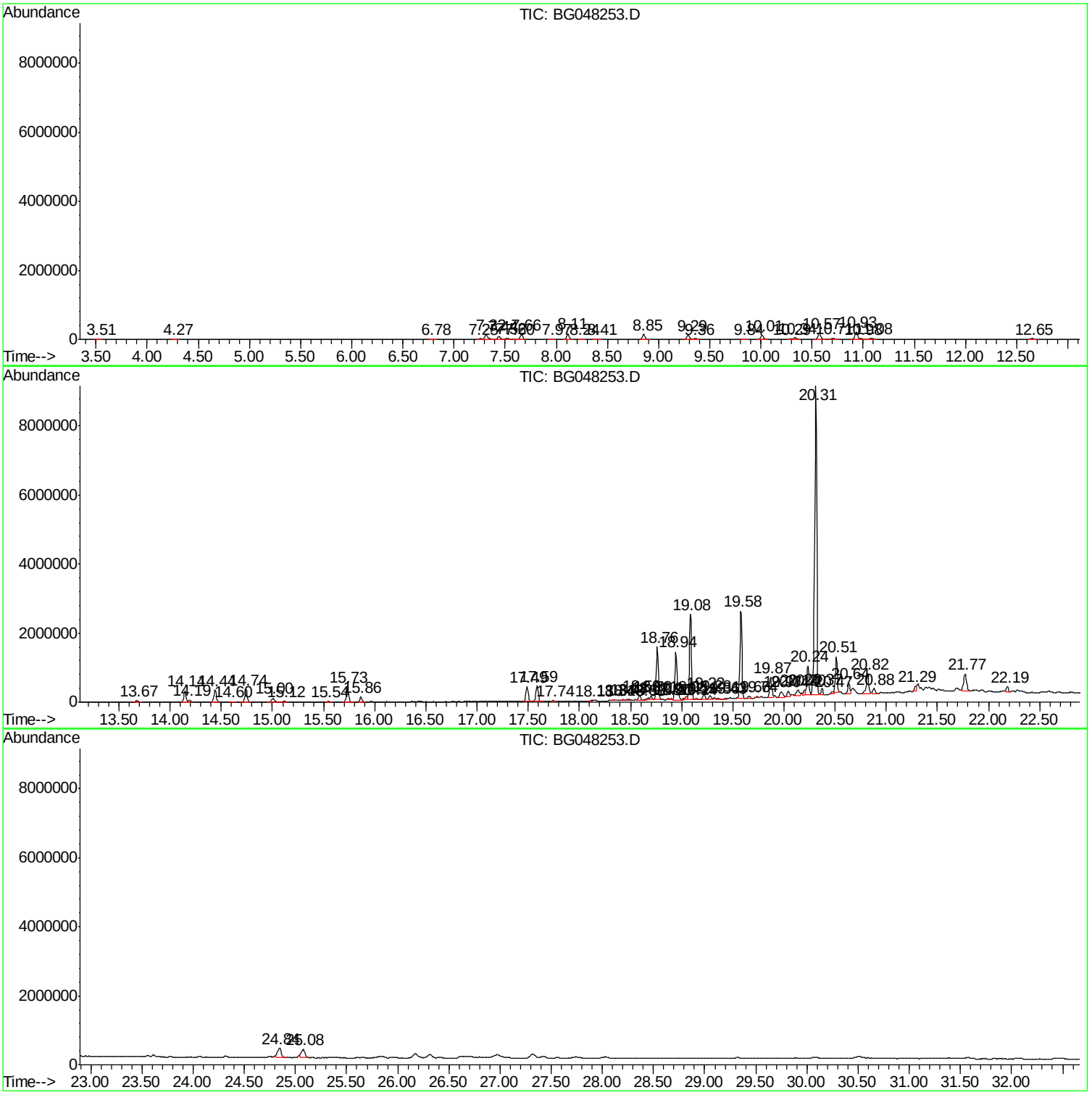
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\
Data File : BG048253.D
Acq On : 21 Feb 2021 2:52
Operator : CG/JU
Sample : M1415-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBH24

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.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\BG021921\
Data File : BG048253.D
Acq On : 21 Feb 2021 2:52
Operator : CG/JU
Sample : M1415-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBH24

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

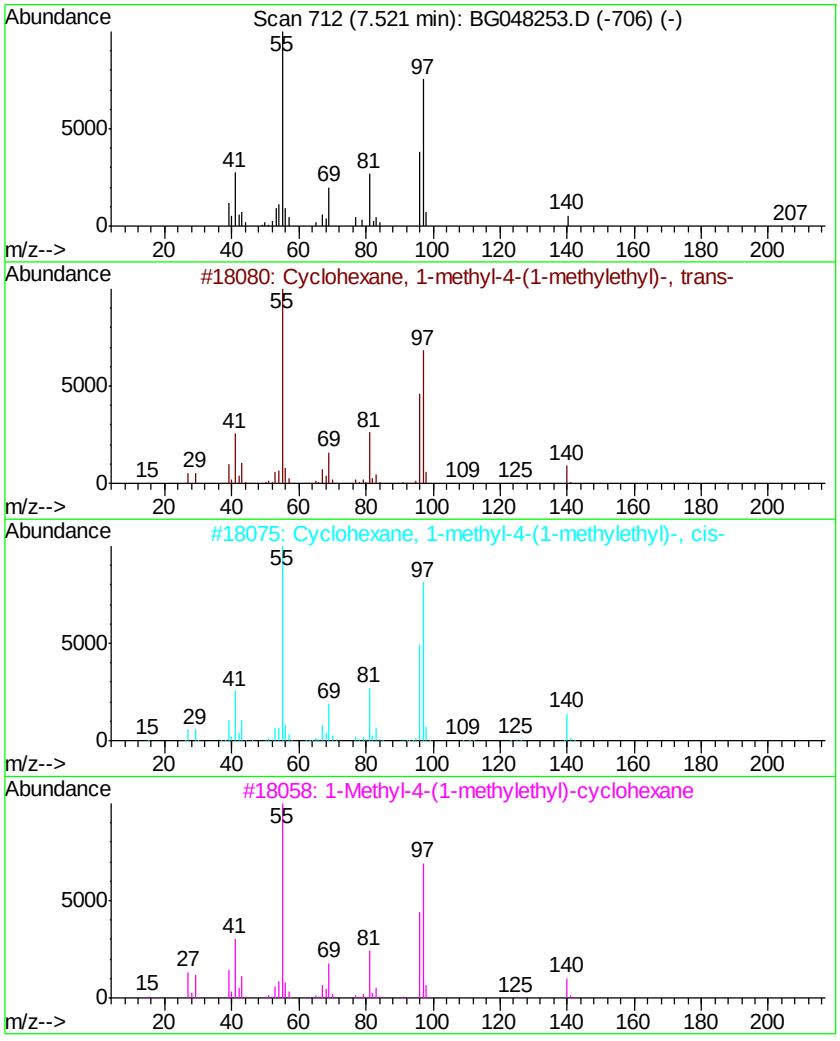
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

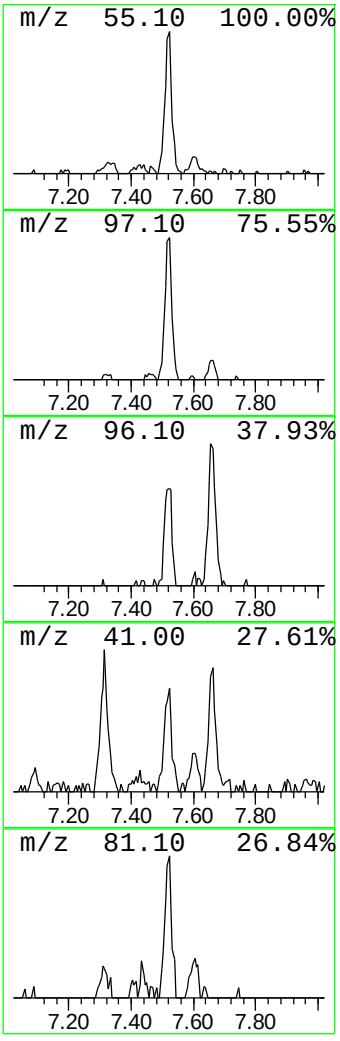
****

Peak Number 1 (DEL) Alkane: Cyclic7.52 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	4.47 ng/ul	62327	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	91
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	91
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	83
4	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	80
5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\
Data File : BG048253.D
Acq On : 21 Feb 2021 2:52
Operator : CG/JU
Sample : M1415-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBH24

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

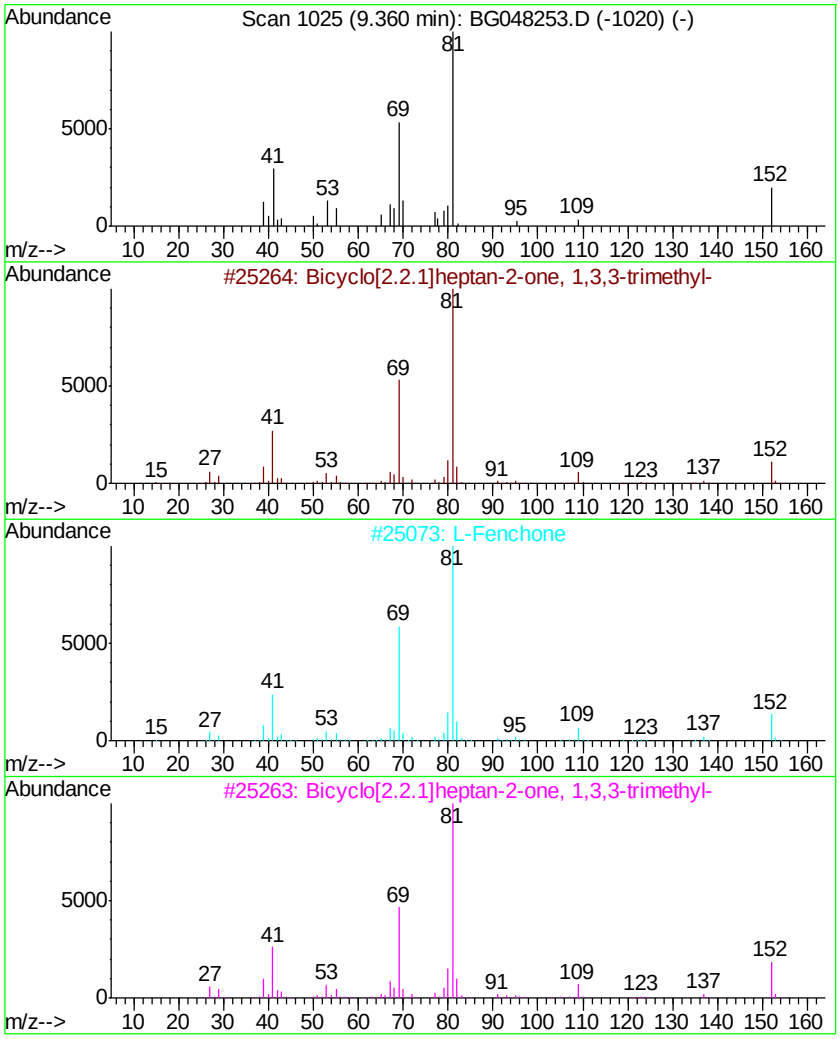
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

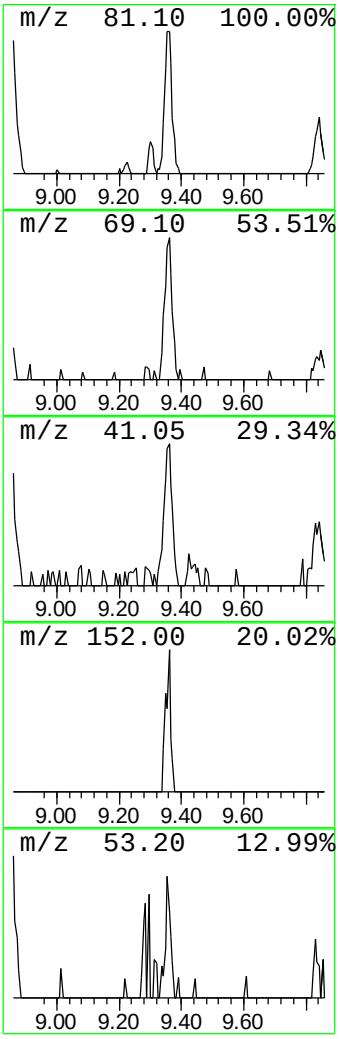
****

Peak Number 2 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	2.54 ng/ul	35430	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	50
2	L-Fenchone	152	C10H16O	007787-20-4	50
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	50
4	Bicyclo[2.2.1]heptan-2-one, 4,7,...	152	C10H16O	010292-98-5	45
5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	45





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Sample : M1415-10
Misc :
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Instrument : BNA_G
ClientSampleId : DBH24

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

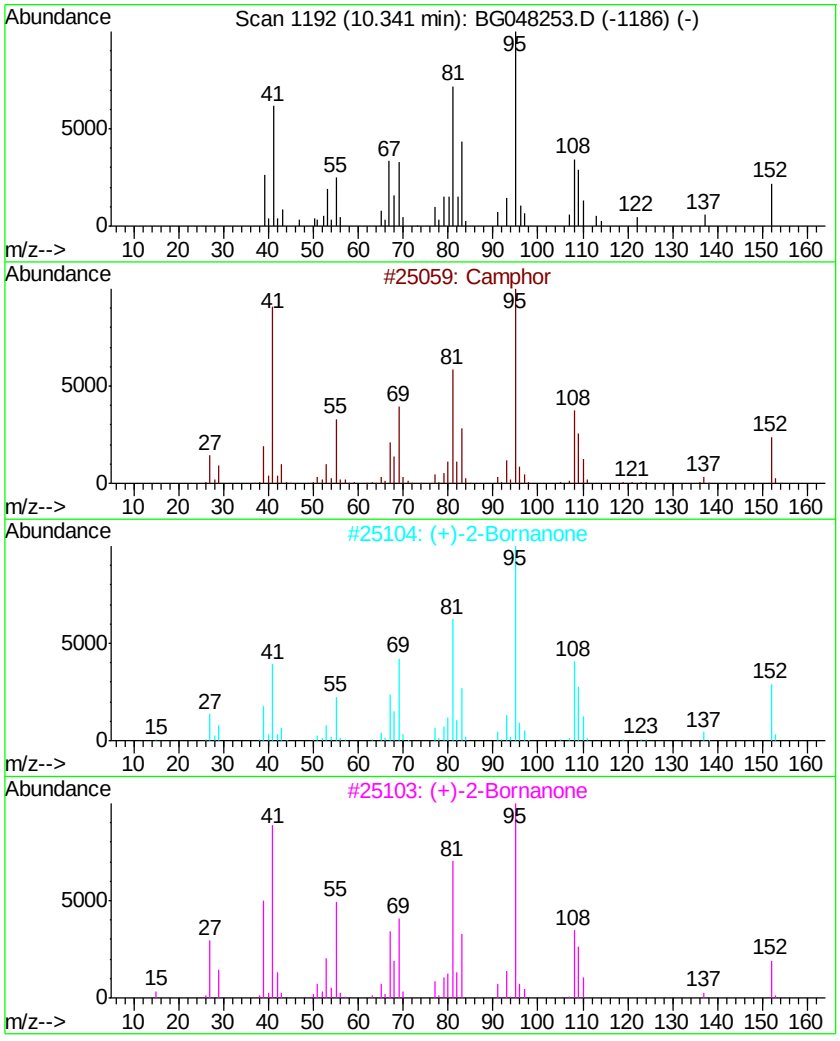
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

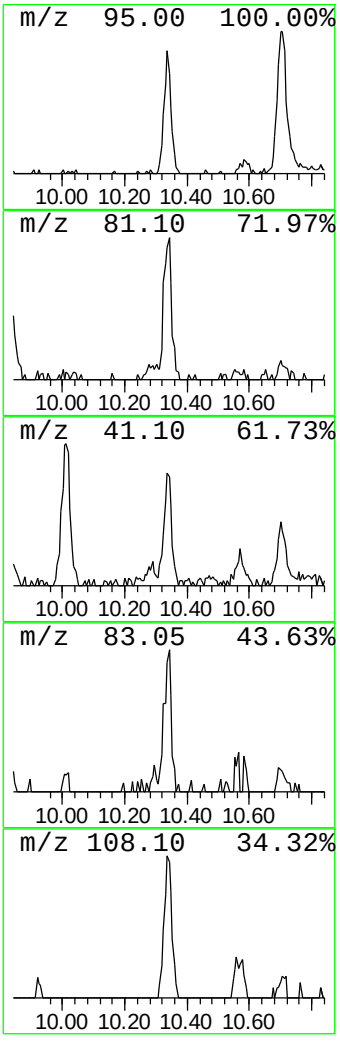
****

Peak Number 3 Camphor Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	4.44 ng/ul	85398	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphor	152	C10H16O	000076-22-2	95
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	91
3	(+)-2-Bornanone	152	C10H16O	000464-49-3	87
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	83
5	Camphor	152	C10H16O	000076-22-2	70





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Quant Title : SVOA CALIBRATION

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

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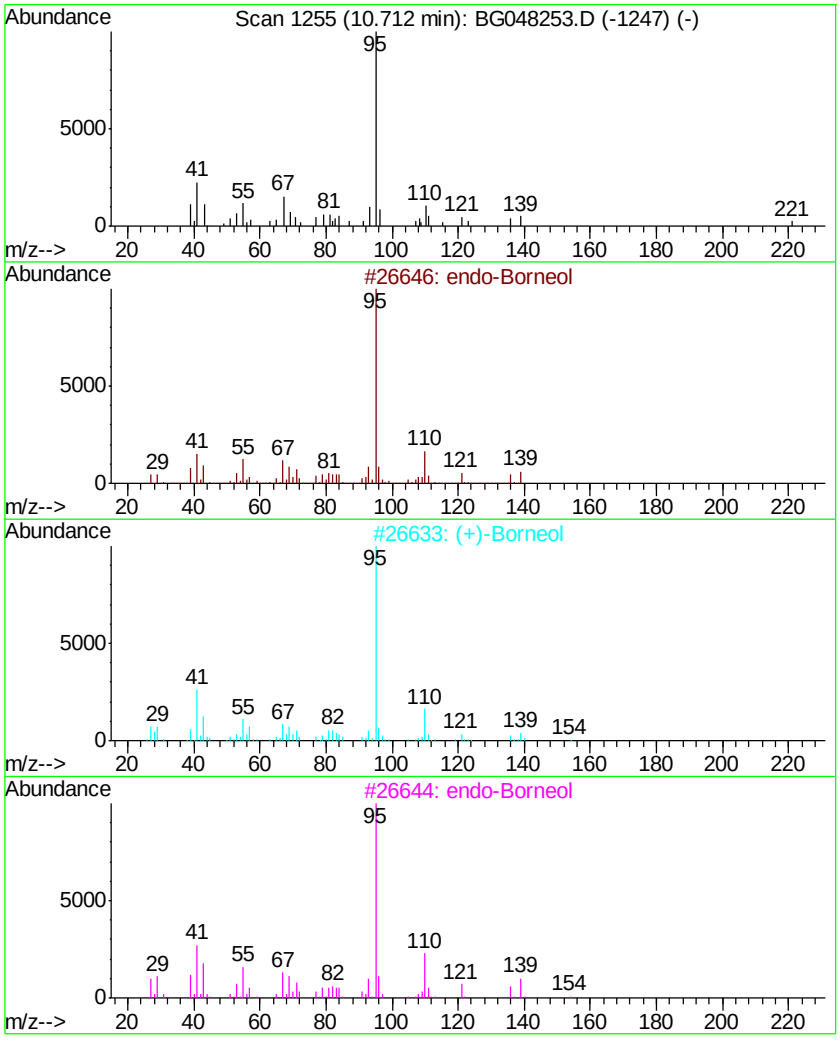
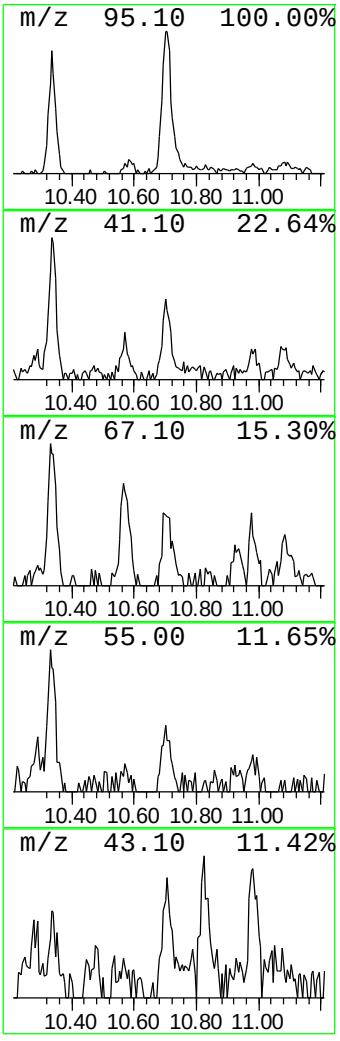
Peak Number 4 endo-Borneol Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	3.10 ng/ul	59614	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	endo-Borneol	154	C10H18O	000507-70-0	90
2	(+)-Borneol	154	C10H18O	1000150-76-3	83
3	endo-Borneol	154	C10H18O	000507-70-0	64
4	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	64
5	2-Furoic acid, tridec-2-ynyl ester	290	C18H26O3	1000299-24-1	64





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Instrument : BNA_G
ClientSampleId : DBH24

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

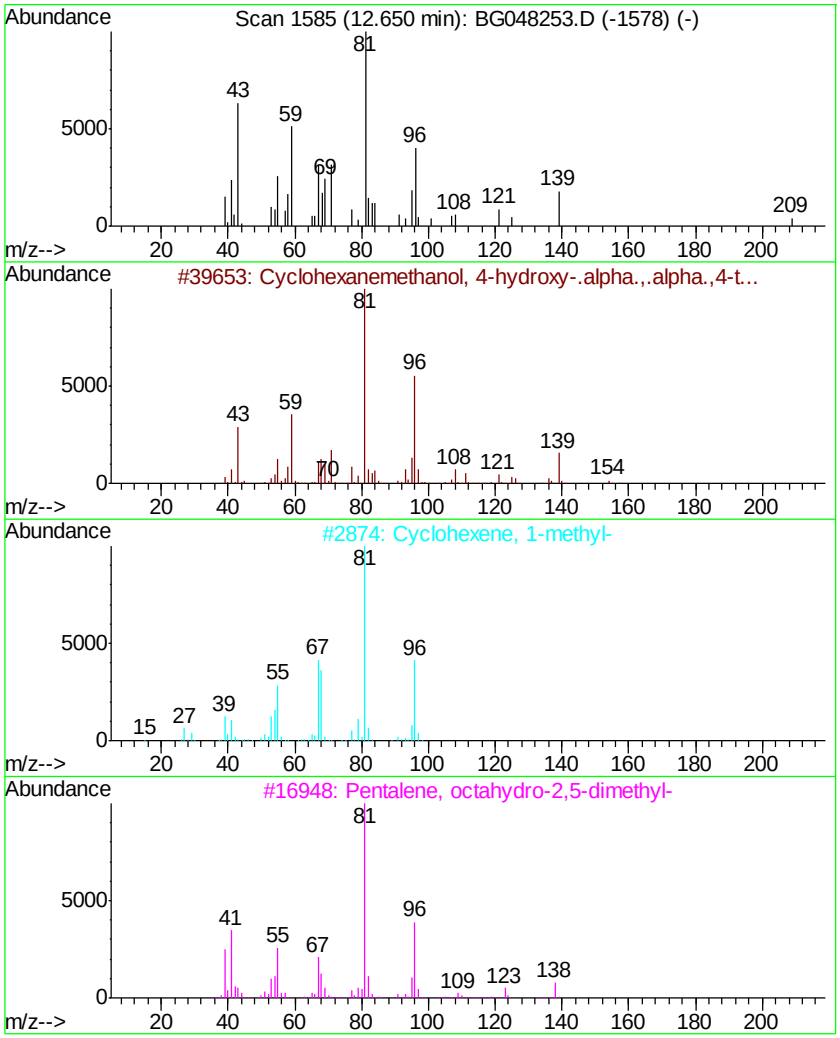
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

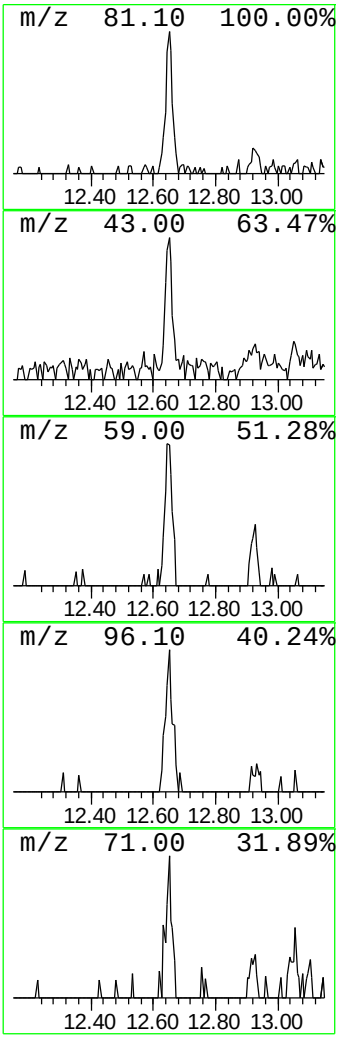
****

Peak Number 5 Cyclohexanemethanol, 4-hydr... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	2.23 ng/ul	42941	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, 4-hydroxy-....	172	C10H20O2	000080-53-5	64
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	49
3	Pentalene, octahydro-2,5-dimethyl-	138	C10H18	028588-55-8	47
4	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	47
5	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	43





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Instrument : BNA_G
ClientSampleId : DBH24

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

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

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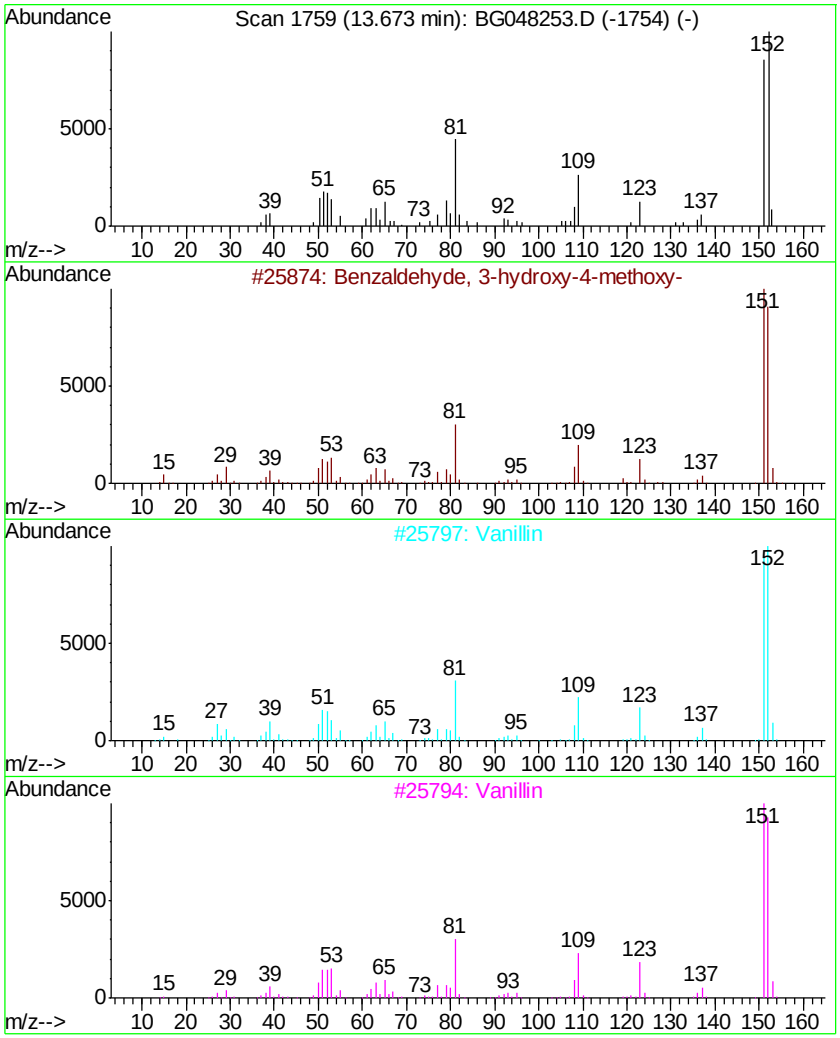
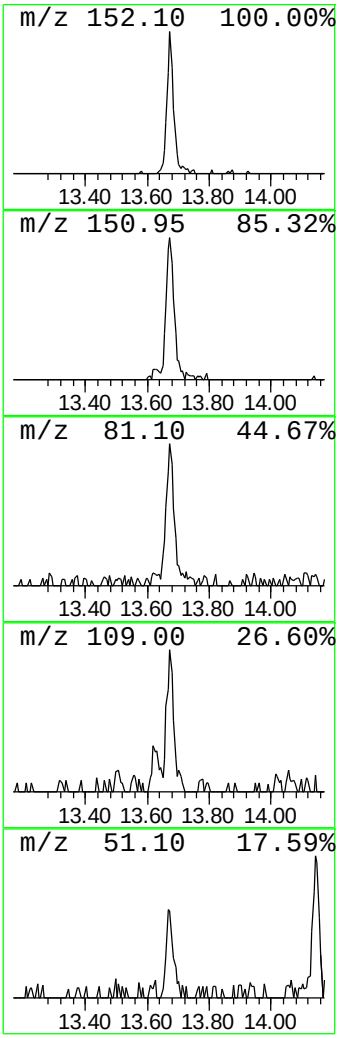
Peak Number 6 Benzaldehyde, 3-hydroxy-4-m... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	2.48 ng/ul	70210	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	95
2	Vanillin	152	C8H8O3	000121-33-5	93
3	Vanillin	152	C8H8O3	000121-33-5	93
4	Vanillin	152	C8H8O3	000121-33-5	91
5	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	90





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Operator : CG/JU
Sample : M1415-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

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

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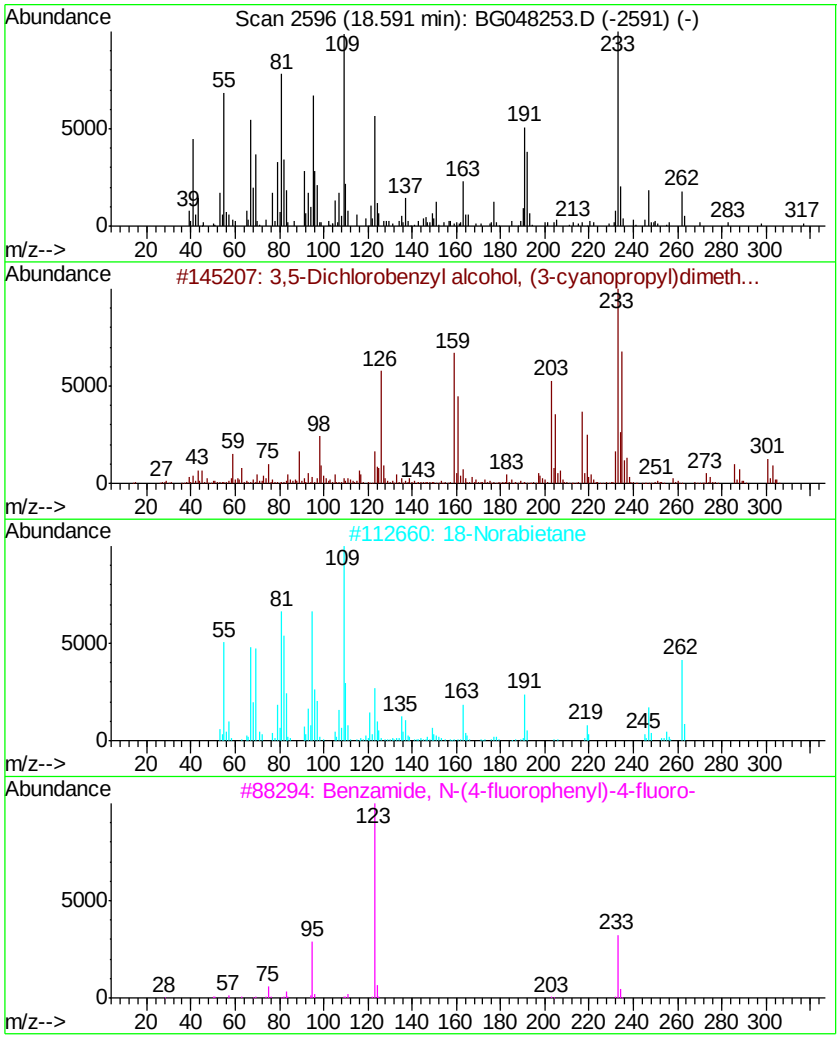
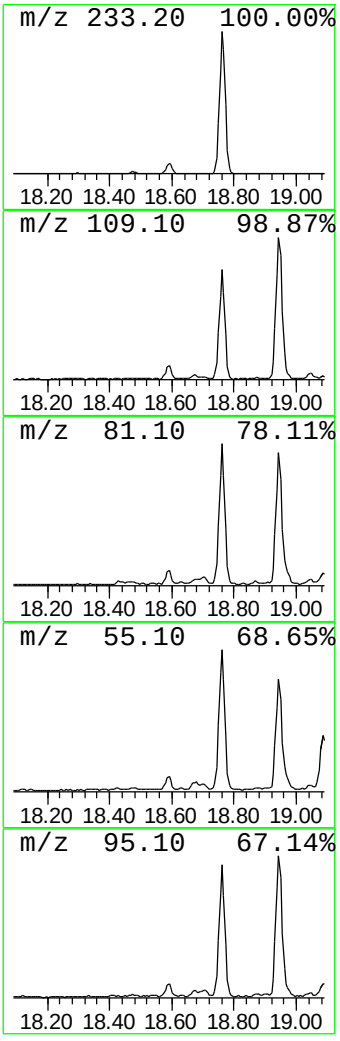
Peak Number 7 3,5-Dichlorobenzyl alcohol,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	6.35 ng/ul	209877	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dichlorobenzyl alcohol, (3-c...	301	C13H17Cl2NOSi	1000376-10-3	90
2	18-Norabietane	262	C19H34	1000293-16-6	38
3	Benzamide, N-(4-fluorophenyl)-4-...	233	C13H9F2NO	1000307-10-1	30
4	2-Naphthalenamine, 1,2,4a,5,6,7,...	165	C11H19N	056053-03-3	25
5	Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	25





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Instrument : BNA_G
ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

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

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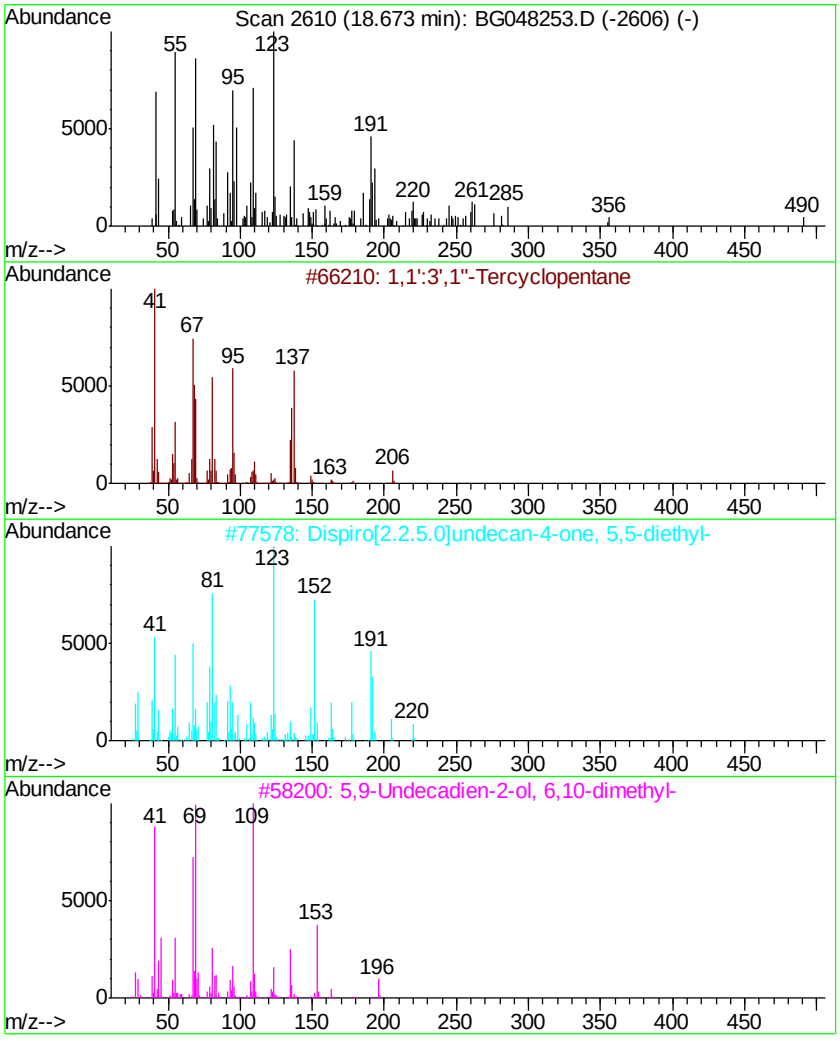
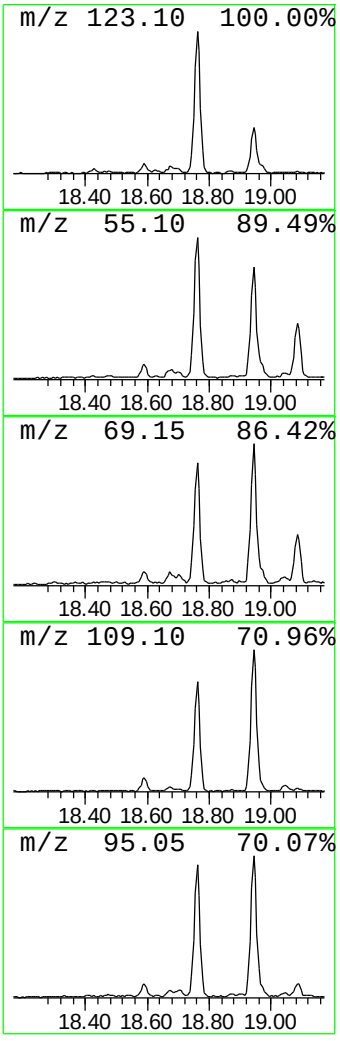
Peak Number 8 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	2.57 ng/ul	84920	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1':3',1''-Tercyclopentane	206	C15H26	006051-40-7	25
2	Dispiro[2.2.5.0]undecan-4-one, 5...	220	C15H24O	1000152-13-8	25
3	5,9-Undecadien-2-ol, 6,10-dimethyl-	196	C13H24O	053837-34-6	22
4	4-Fluorobenzoic acid, 2,6-dimeth...	288	C18H21FO2	1000299-15-7	14
5	3,3-Dimethyl-hepta-4,5-dien-2-one	138	C9H14O	1000190-54-1	14





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ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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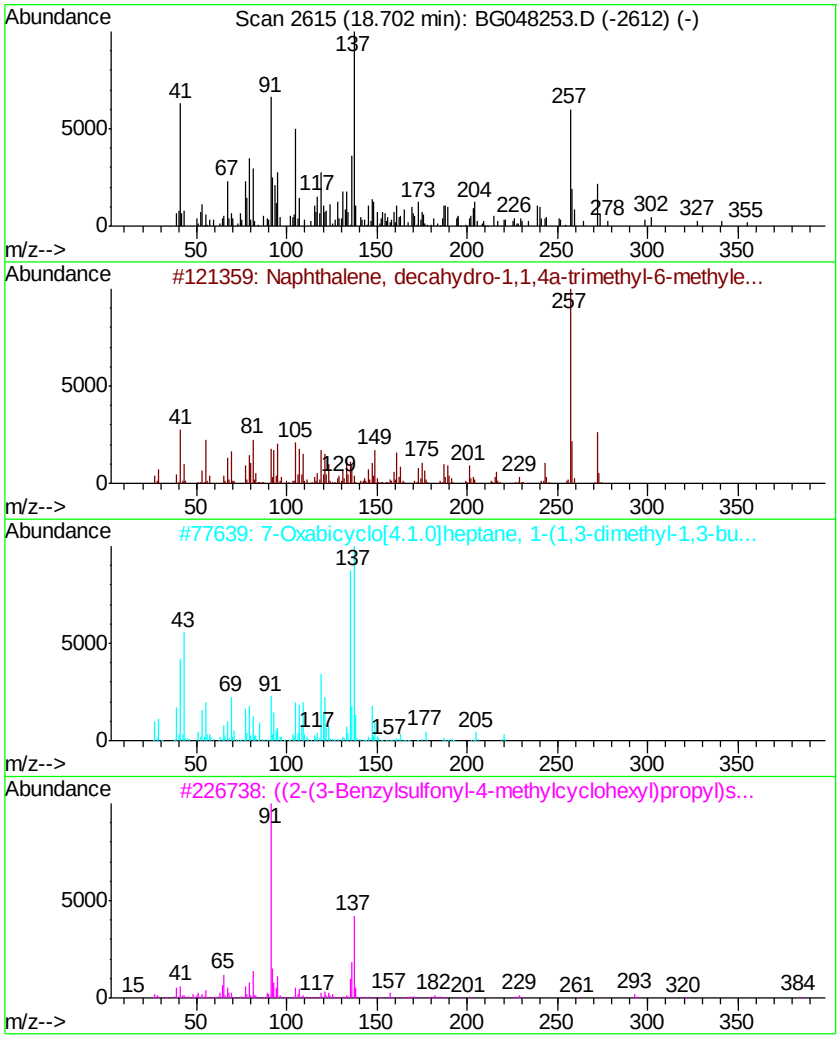
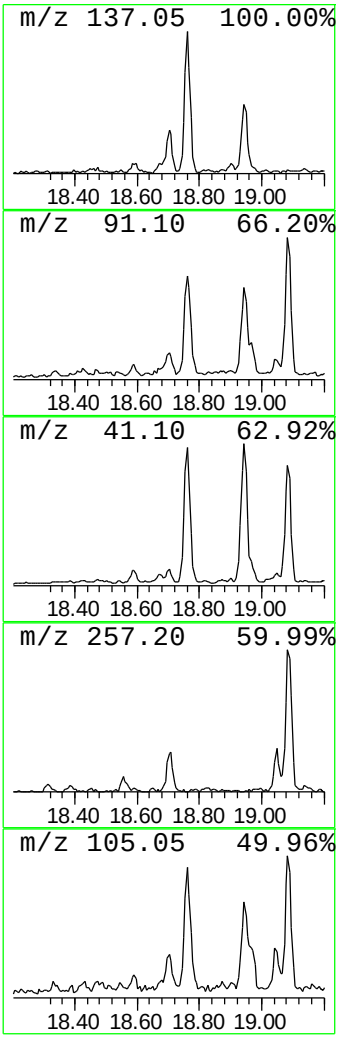
Peak Number 9 Naphthalene, decahydro-1,1,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	4.50 ng/ul	148612	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-1,1,4a-tr...	272	C20H32	000511-02-4	51
2	7-Oxabicyclo[4.1.0]heptane, 1-(1...	220	C15H24O	089128-14-3	38
3	((2-(3-Benzylsulfonyl-4-methylcy...	448	C24H32O4S2	1000242-12-5	35
4	Phosphoric acid, tribornyl ester	506	C30H51O4P	1000158-10-2	35
5	7,12-Dihydro-7,11,12-trimethylbe...	272	C21H20	035187-49-6	25





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Instrument : BNA_G
ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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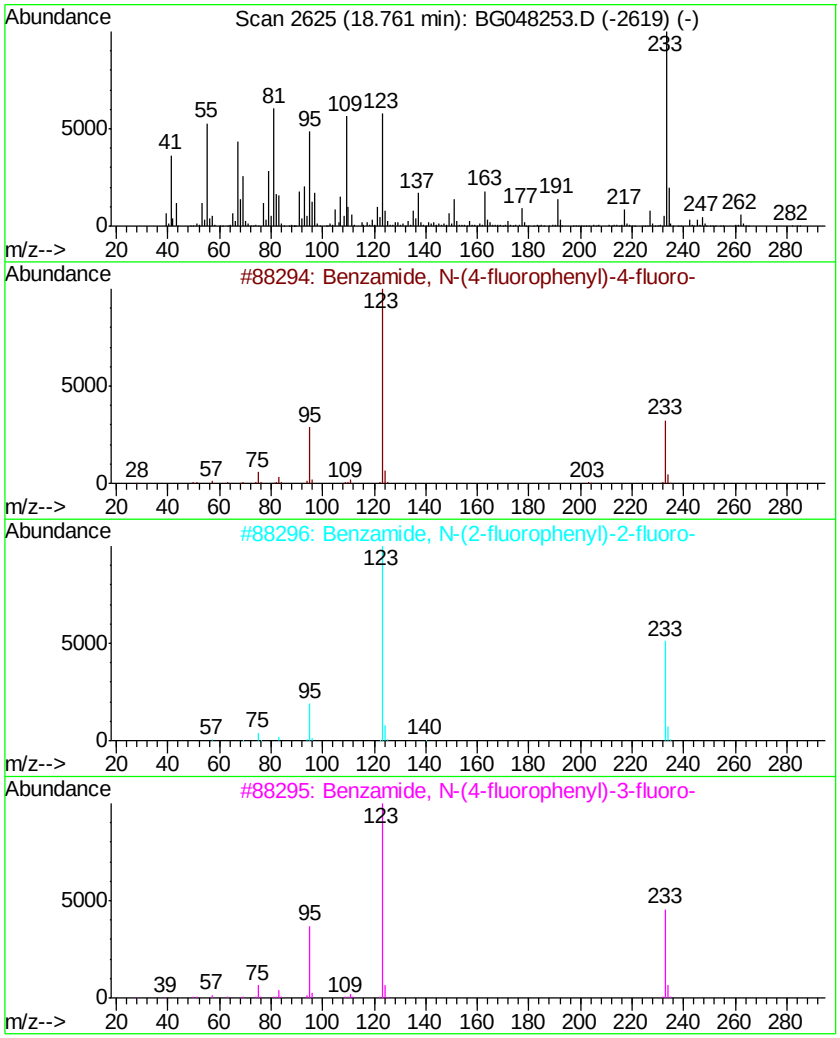
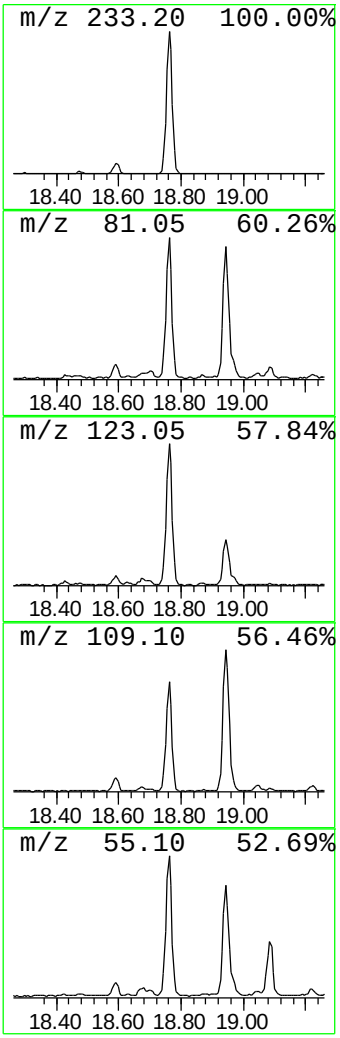
Peak Number 10 Benzamide, N-(4-fluoropheny... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	64.72 ng/ul	2139690	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, N-(4-fluorophenyl)-4-...	233	C13H9F2NO	1000307-10-1	52
2	Benzamide, N-(2-fluorophenyl)-2-...	233	C13H9F2NO	1000308-09-1	49
3	Benzamide, N-(4-fluorophenyl)-3-...	233	C13H9F2NO	1000307-16-3	49
4	p-Menth-3-en-9-ol	154	C10H18O	015714-10-0	30
5	Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	27





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ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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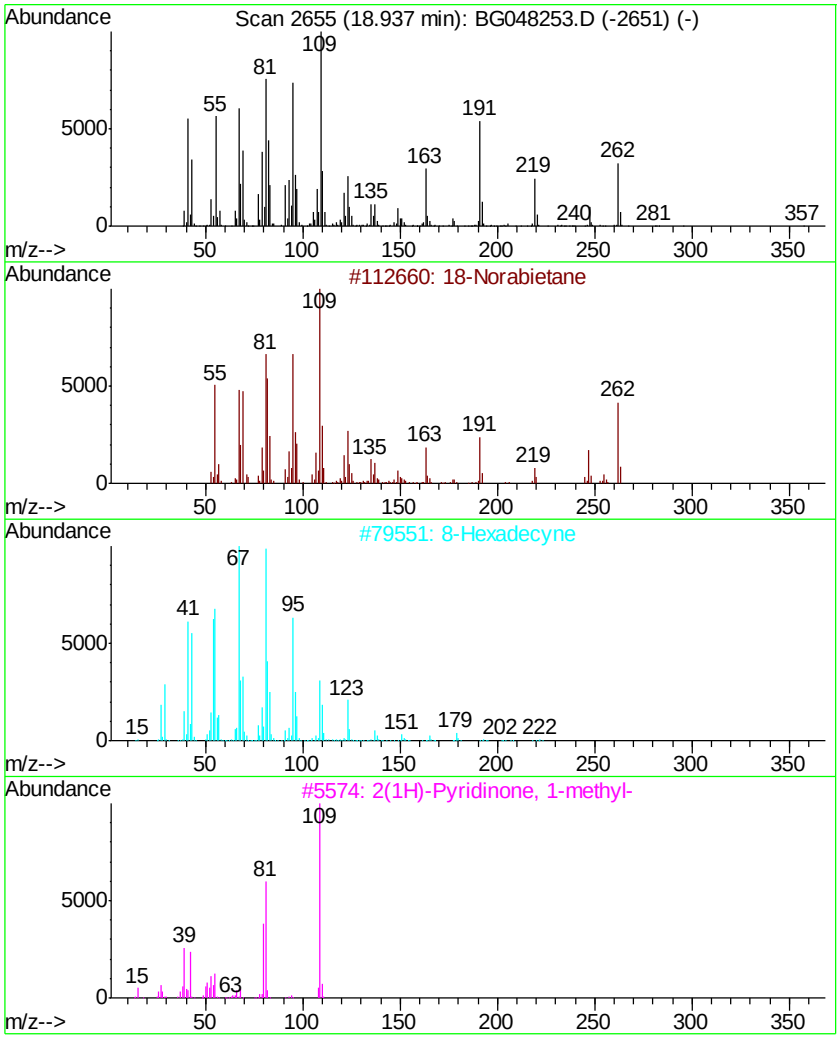
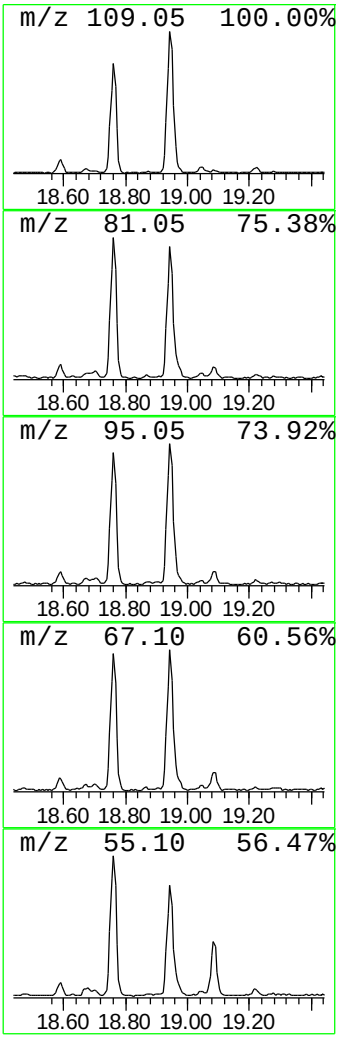
Peak Number 11 18-Norabietane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	62.83 ng/ul	2077210	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	70
2	8-Hexadecyne	222	C16H30	019781-86-3	35
3	2(1H)-Pyridinone, 1-methyl-	109	C6H7NO	000694-85-9	35
4	9-Octadecyne	250	C18H34	035365-59-4	30
5	6-Heptadecyne, 1-chloro-	270	C17H31Cl	056599-59-8	27





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Quant Title : SVOA CALIBRATION

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

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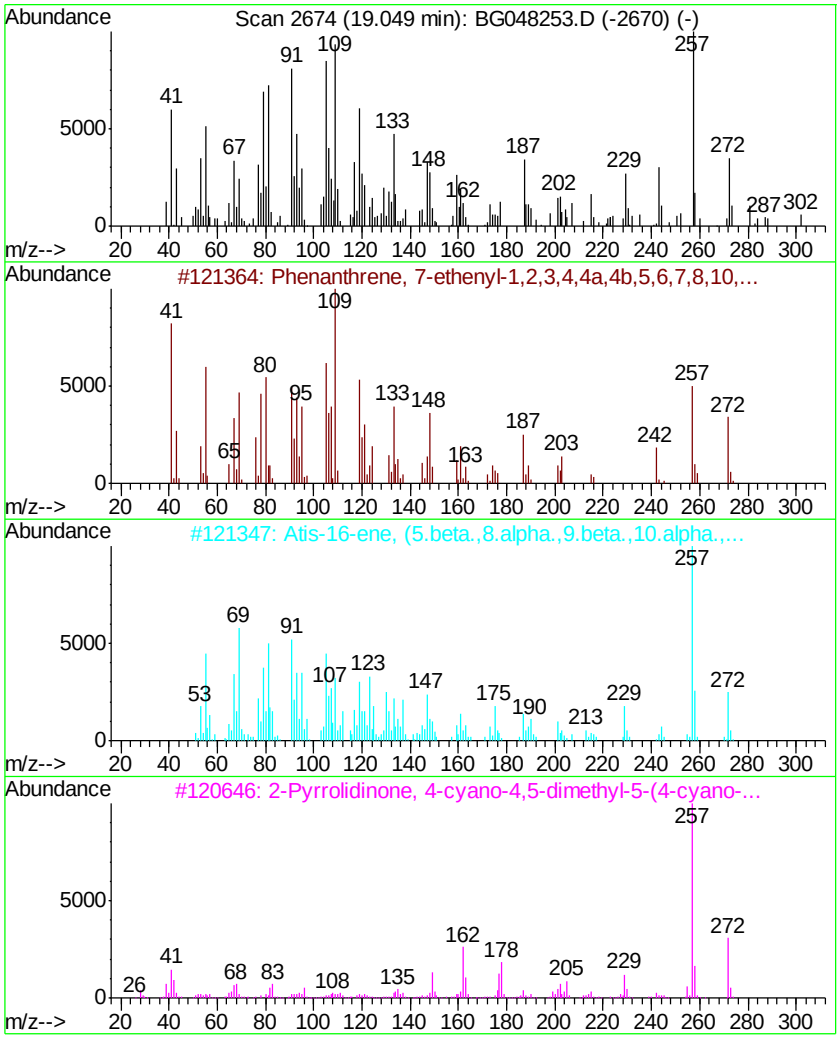
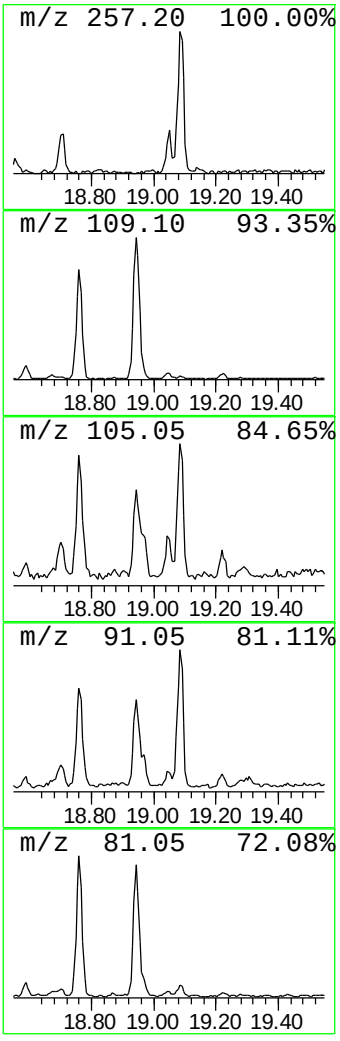
Peak Number 12 Phenanthrene, 7-ethenyl-1,2... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	3.30 ng/ul	109032	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 7-ethenyl-1,2,3,4,...	272	C20H32	001686-66-4	74
2	Atis-16-ene, (5.beta.,8.alpha.,9...	272	C20H32	020230-48-2	50
3	2-Pyrrolidinone, 4-cyano-4,5-dim...	272	C14H16N4O2	1000193-83-8	30
4	Methyl 10,12-pentacosadiynoate	388	C26H44O2	1000342-58-7	30
5	1,3,5-Cycloheptatriene, 7,7-dime...	272	C21H20	1000156-99-8	25





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Instrument : BNA_G
ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

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

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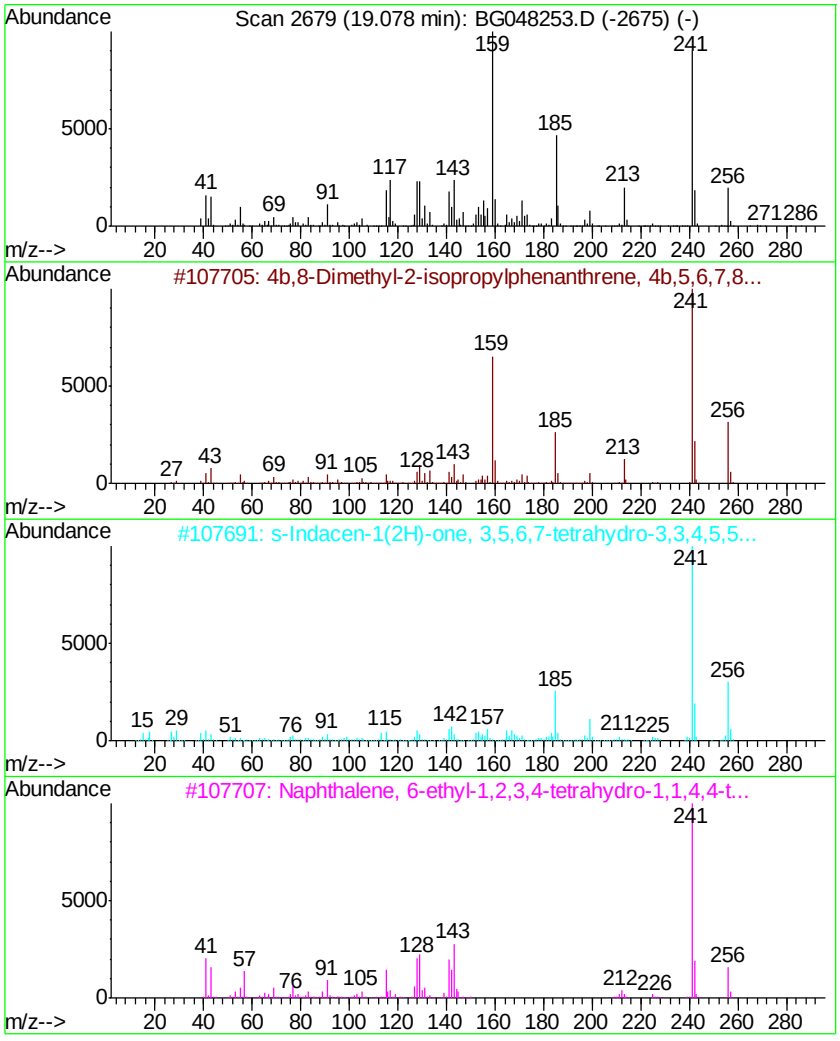
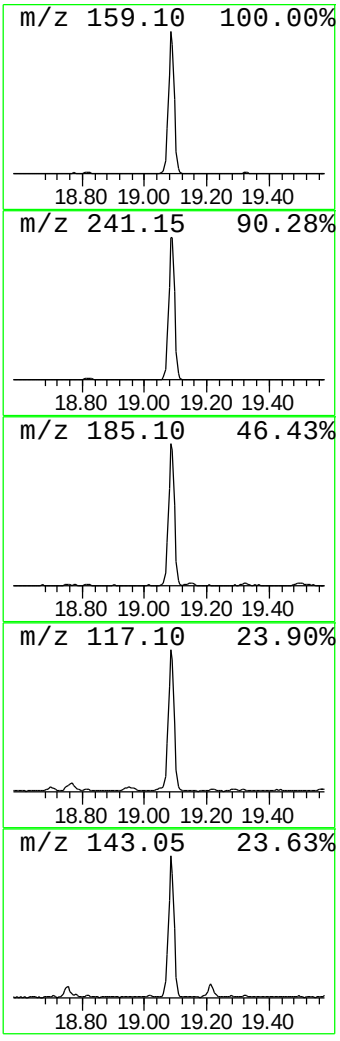
Peak Number 13 4b,8-Dimethyl-2-isopropylph... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	99.71 ng/ul	3296660	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	93
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	45
3	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	45
4	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	43
5	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	30





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Quant Title : SVOA CALIBRATION

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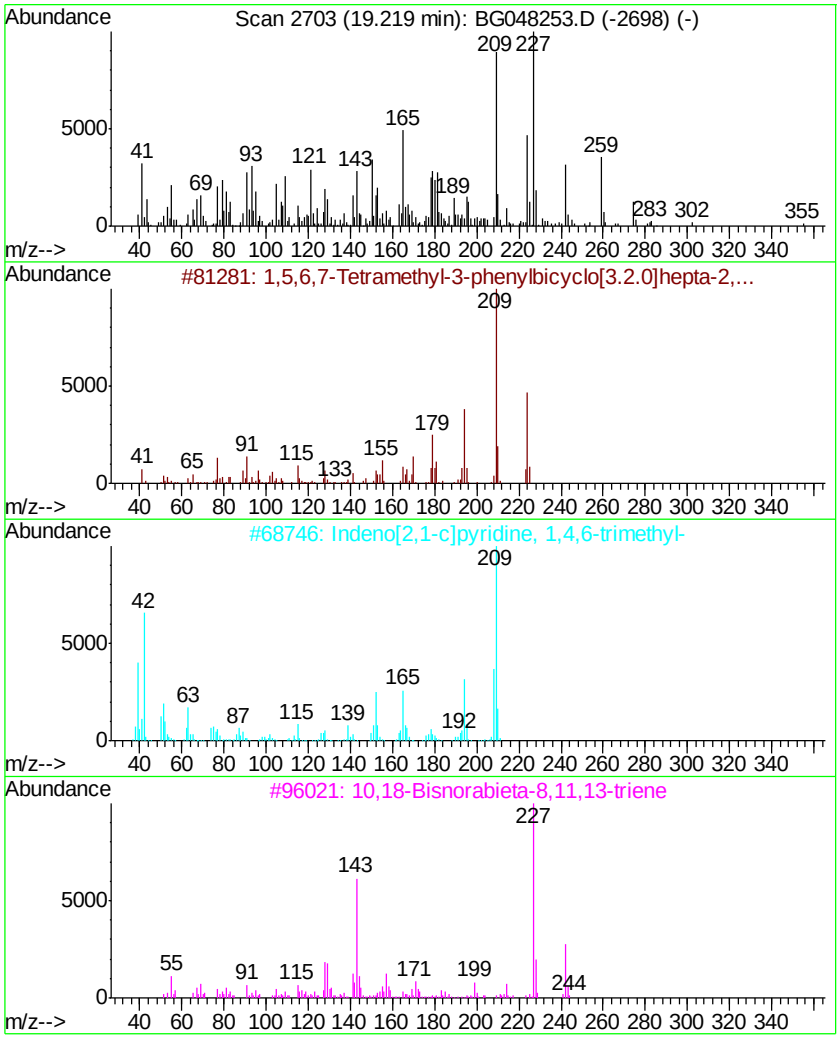
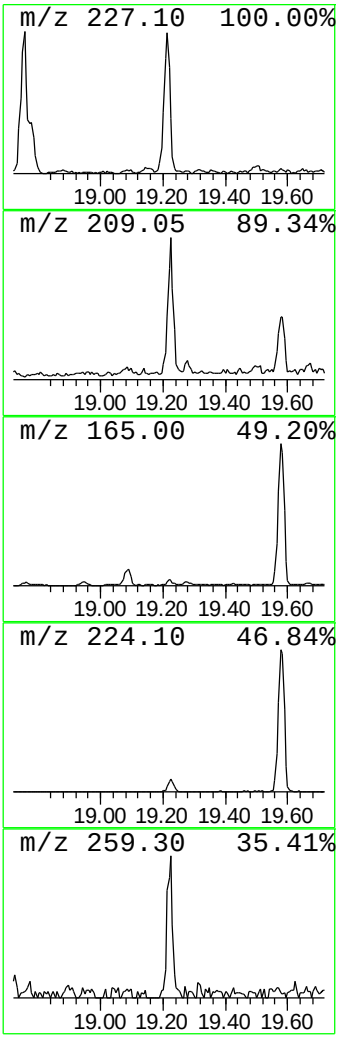
Peak Number 14 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	8.55 ng/ul	282588	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,6,7-Tetramethyl-3-phenylbicy...	224	C17H20	126584-00-7	42
2	Indeno[2,1-c]pyridine, 1,4,6-tri...	209	C15H15N	062736-77-0	38
3	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	38
4	2-(4'-Hydroxyphenyl)-2-(4'-metho...	242	C16H18O2	016530-58-8	35
5	Benzoic acid, 4-[(trimethylsilyl...	224	C11H16O3Si	027739-17-9	30





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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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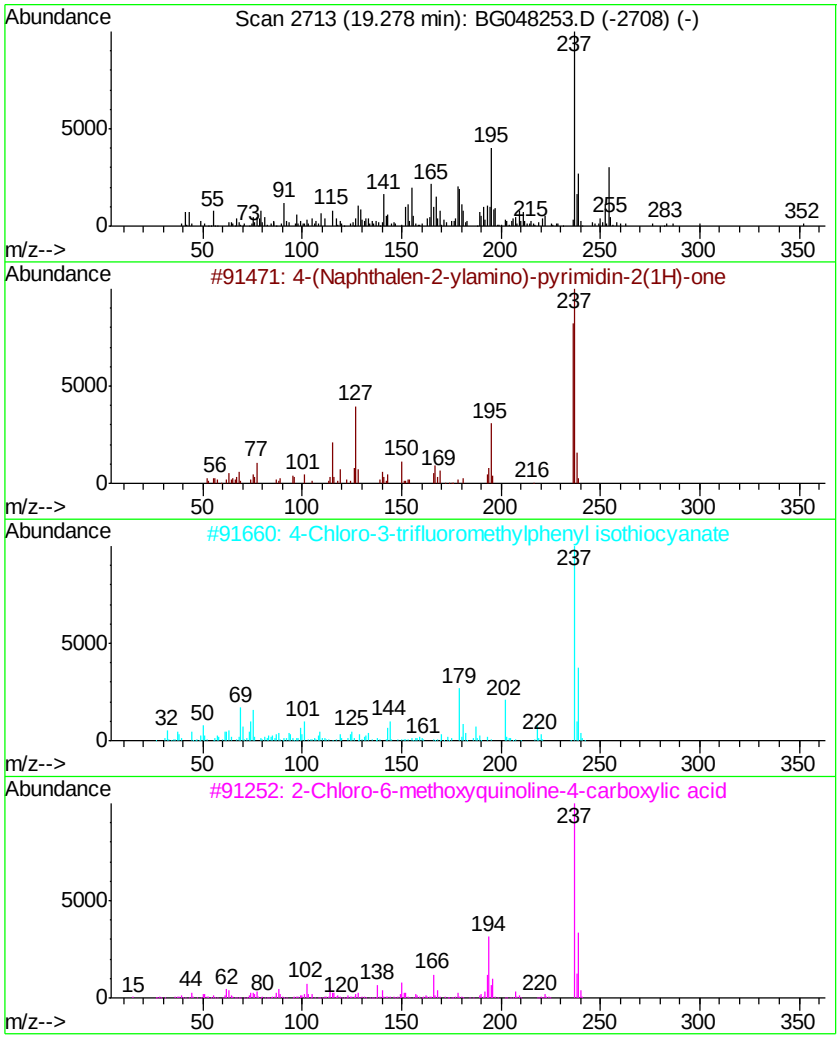
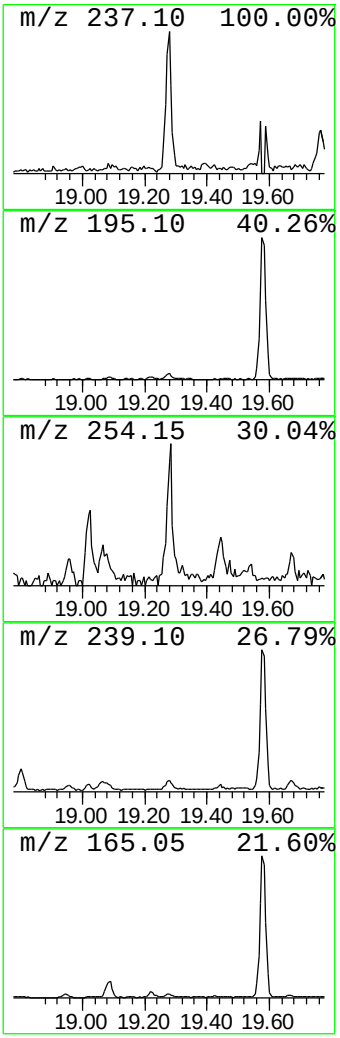
Peak Number 15 4-(Naphthalen-2-ylamino)-py... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	4.84 ng/ul	159875	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(Naphthalen-2-ylamino)-pyrimid...	237	C14H11N3O	127970-28-9	55
2	4-Chloro-3-trifluoromethylphenyl...	237	C8H3ClF3NS	023163-86-2	43
3	2-Chloro-6-methoxyquinoline-4-ca...	237	C11H8ClNO3	020335-34-6	41
4	p,p-Bis(1-aziridinyl)-N-(p-tolyl...	237	C11H16N3OP	027824-40-4	35
5	3,5-Dimethyl-1-[4-(1H-pyrrol-1-y...	237	C15H15N3	257863-12-0	27





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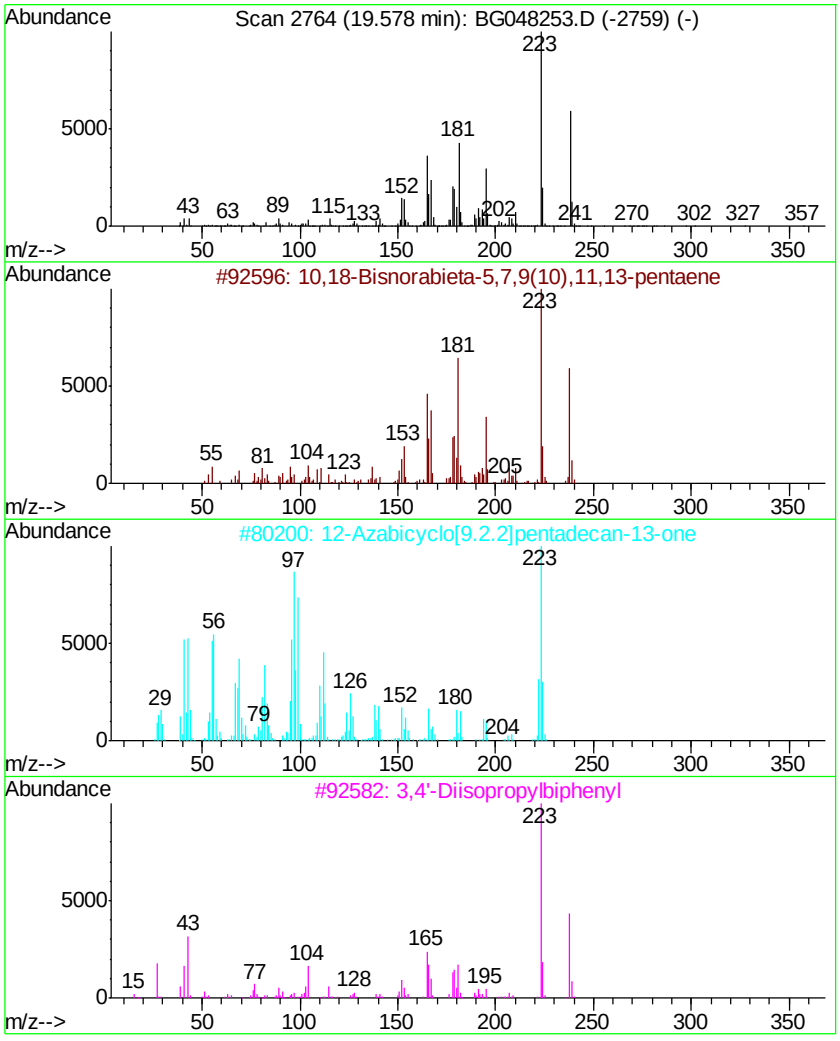
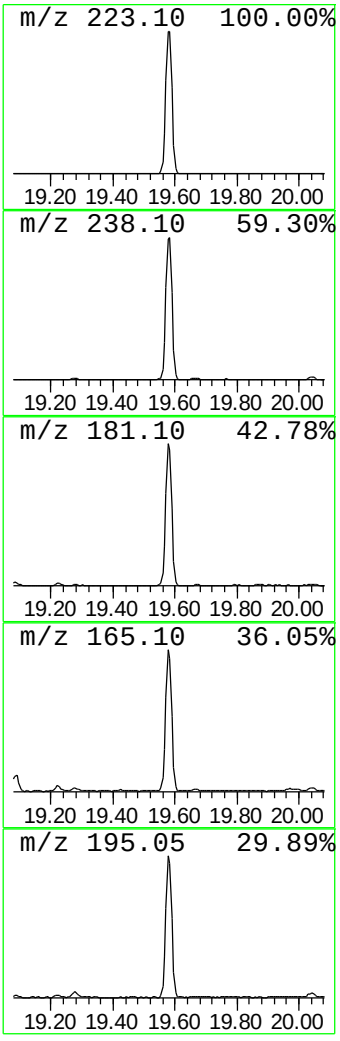
Peak Number 16 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.58	102.39 ng/ul	3385030	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	70
3	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	64
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	60
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	58





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Quant Title : SVOA CALIBRATION

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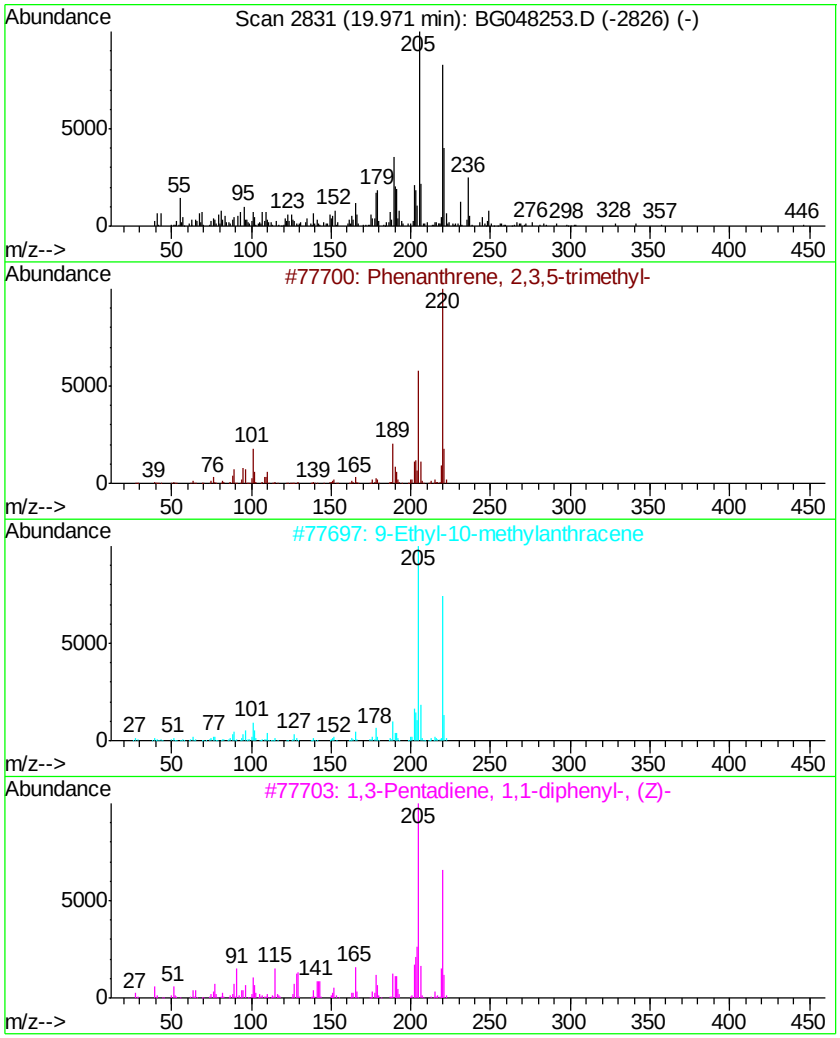
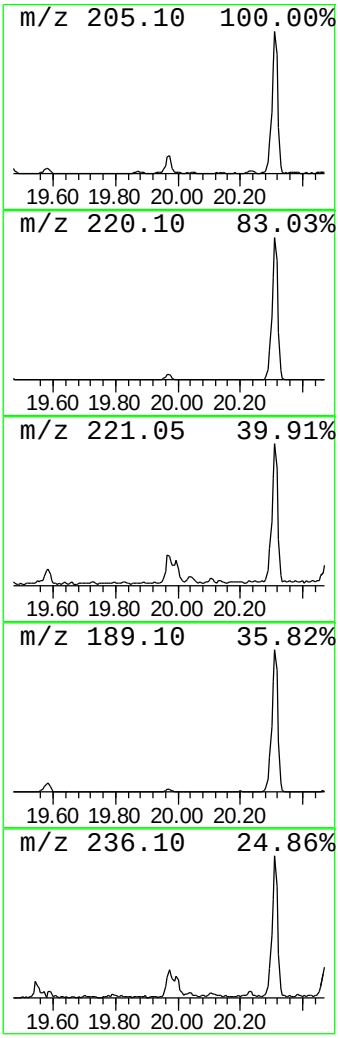
Peak Number 17 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	7.09 ng/ul	343546	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	90
2	9-Ethyl-10-methylanthracene	220	C17H16	019713-49-6	62
3	1,3-Pentadiene, 1,1-diphenyl-, (Z)-	220	C17H16	015295-31-5	62
4	Chrom-6-ol-4-one, 2,3-dihydroxy-...	220	C13H16O3	084945-26-6	53
5	Anthracene, 9-(1-methylethyl)-	220	C17H16	001498-80-2	52





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Operator : CG/JU
Sample : M1415-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

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

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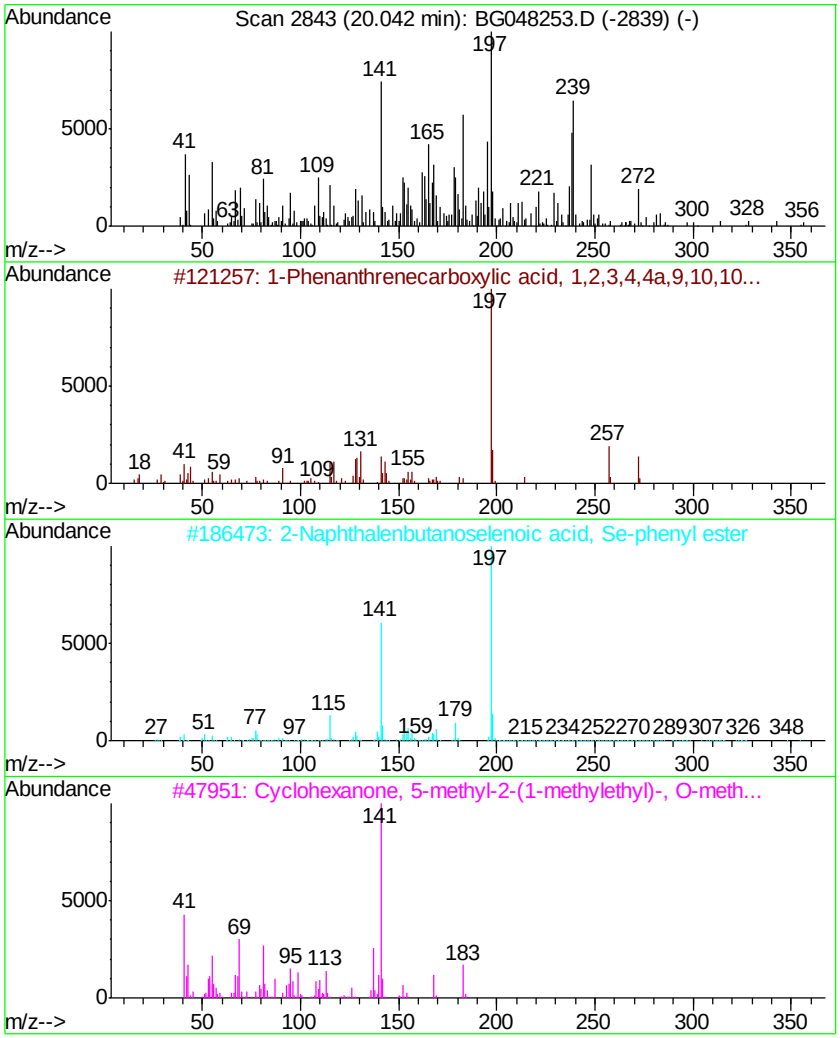
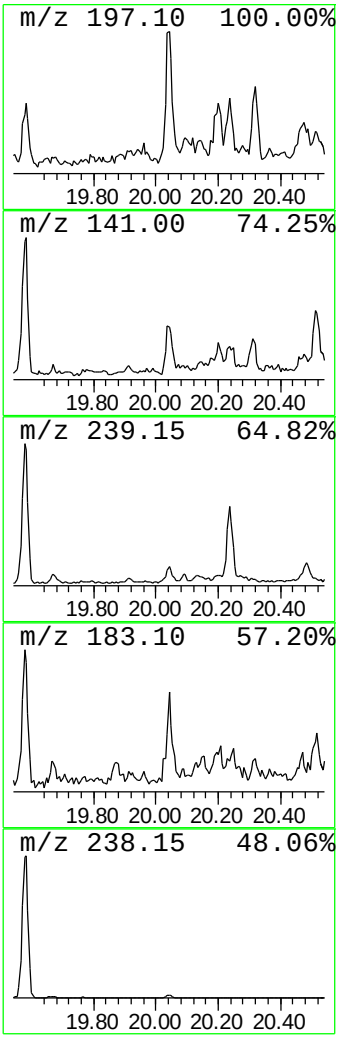
Peak Number 18 unknown-03 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	4.92 ng/ul	238768	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 1...	272	C18H24O2	003650-04-2	25
2	2-Naphthalenbutanoselenoic acid,...	354	C20H18OSe	1000197-35-3	22
3	Cyclohexanone, 5-methyl-2-(1-met...	183	C11H21NO	057396-81-3	15
4	1,2-Benzisothiazol-3(2H)-one, 2-...	197	C8H7NO3S	015448-99-4	11
5	N-Acetyl-N-(2-chloro-4-methylphe...	225	C11H12ClNO2	1000373-20-3	11





Library Search Compound Report

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Sample : M1415-10
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Instrument : BNA_G
ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

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

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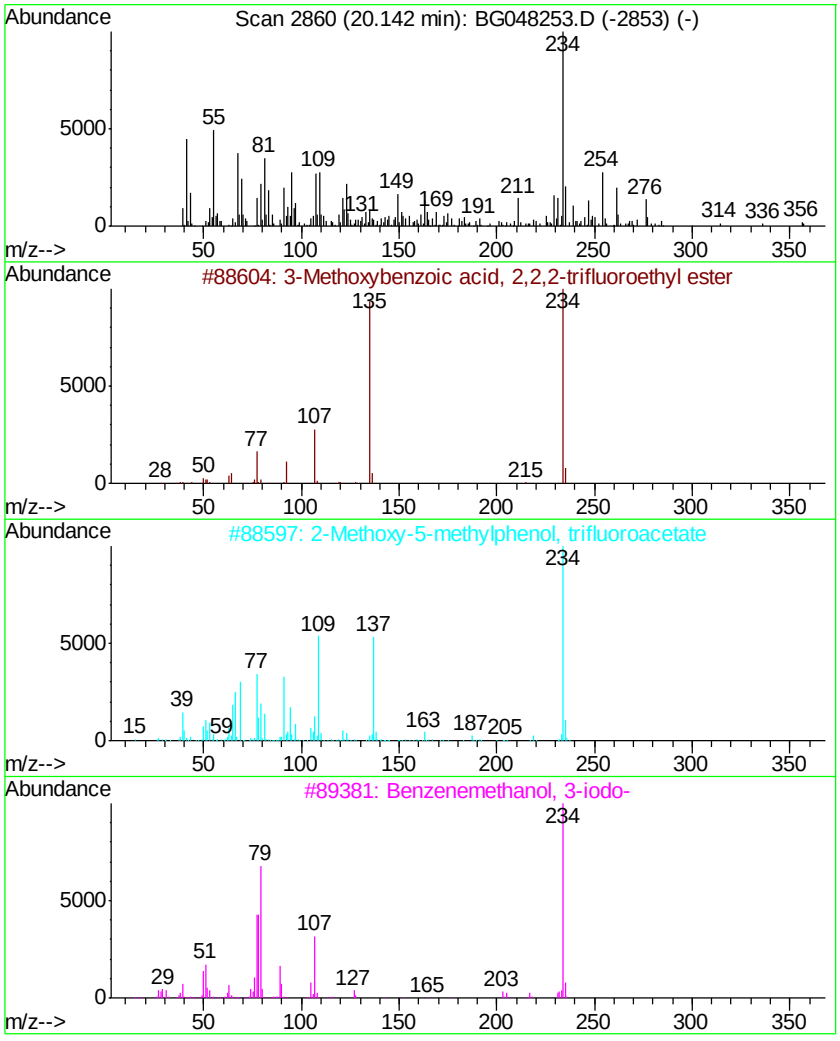
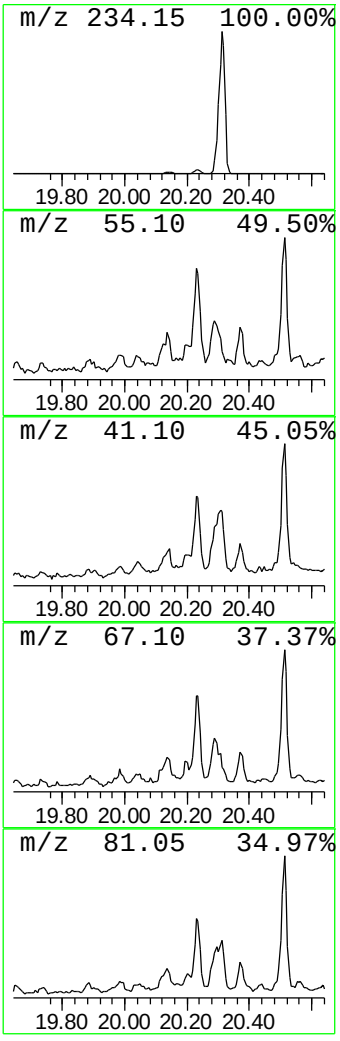
Peak Number 19 unknown-04 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	6.55 ng/ul	317587	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methoxybenzoic acid, 2,2,2-tri...	234	C10H9F3O3	1000325-55-7	41
2	2-Methoxy-5-methylphenol, triflu...	234	C10H9F3O3	1000365-24-2	35
3	Benzenemethanol, 3-iodo-	234	C7H7IO	057455-06-8	35
4	3-Iodoanisole	234	C7H7IO	000766-85-8	35
5	1,E-11,Z-13-Heptadecatriene	234	C17H30	080625-35-0	30





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ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

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

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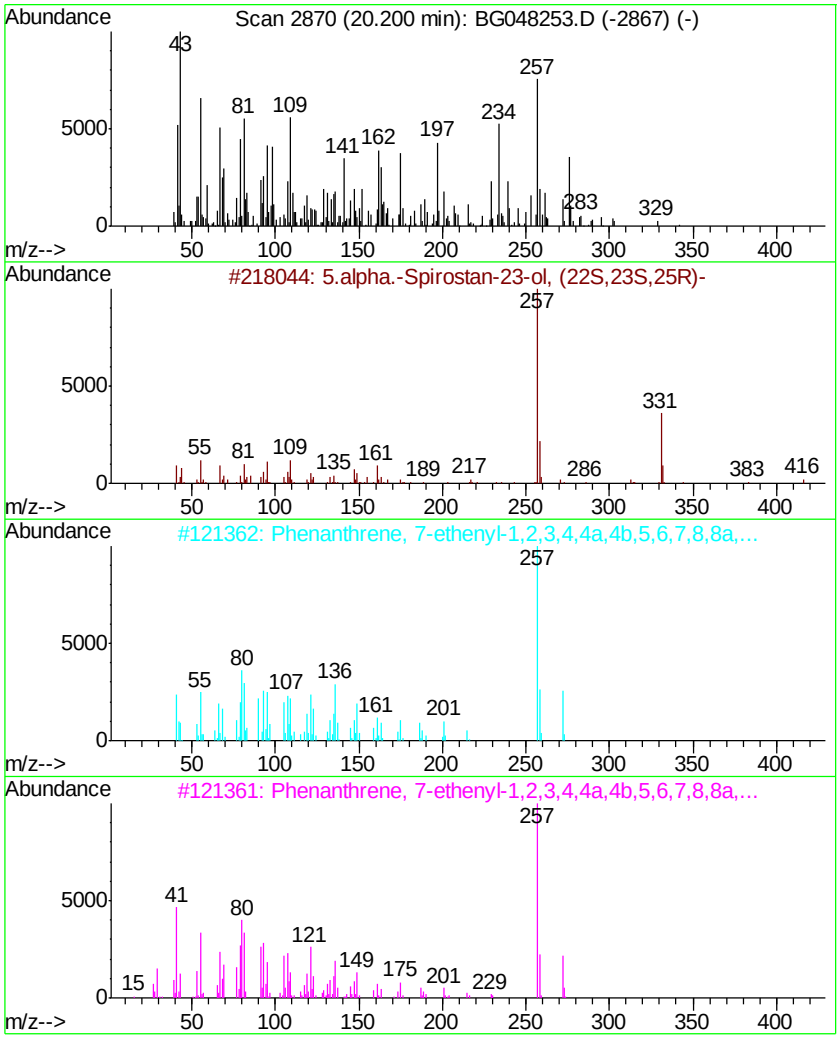
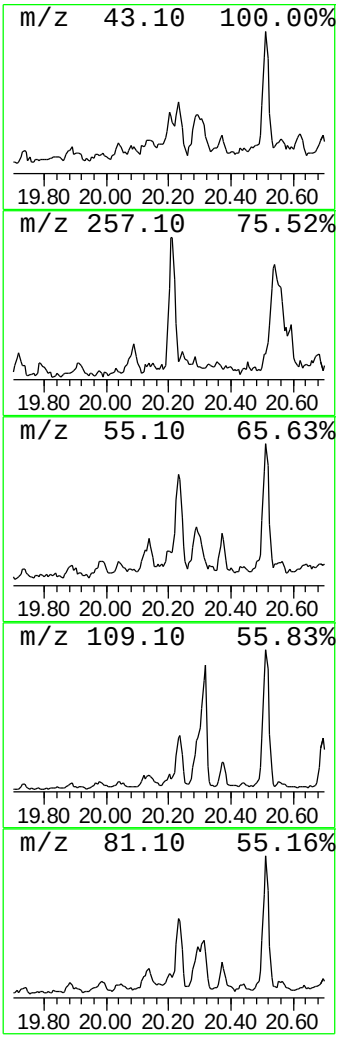
Peak Number 20 unknown-05 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	4.49 ng/ul	217763	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5.alpha.-Spirostan-23-ol, (22S,2...	416	C27H44O3	024744-36-3	25
2	Phenanthrene, 7-ethenyl-1,2,3,4,...	272	C20H32	001686-67-5	22
3	Phenanthrene, 7-ethenyl-1,2,3,4,...	272	C20H32	001686-67-5	18
4	1H,6H-5,11b-Ethano[1,3]dioxolo[4...	257	C16H19NO2	000510-70-3	15
5	5-Hydroxyimino-4-phenylhydrazono...	257	C12H11N5O2	1000110-69-8	15





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Instrument : BNA_G
ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

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

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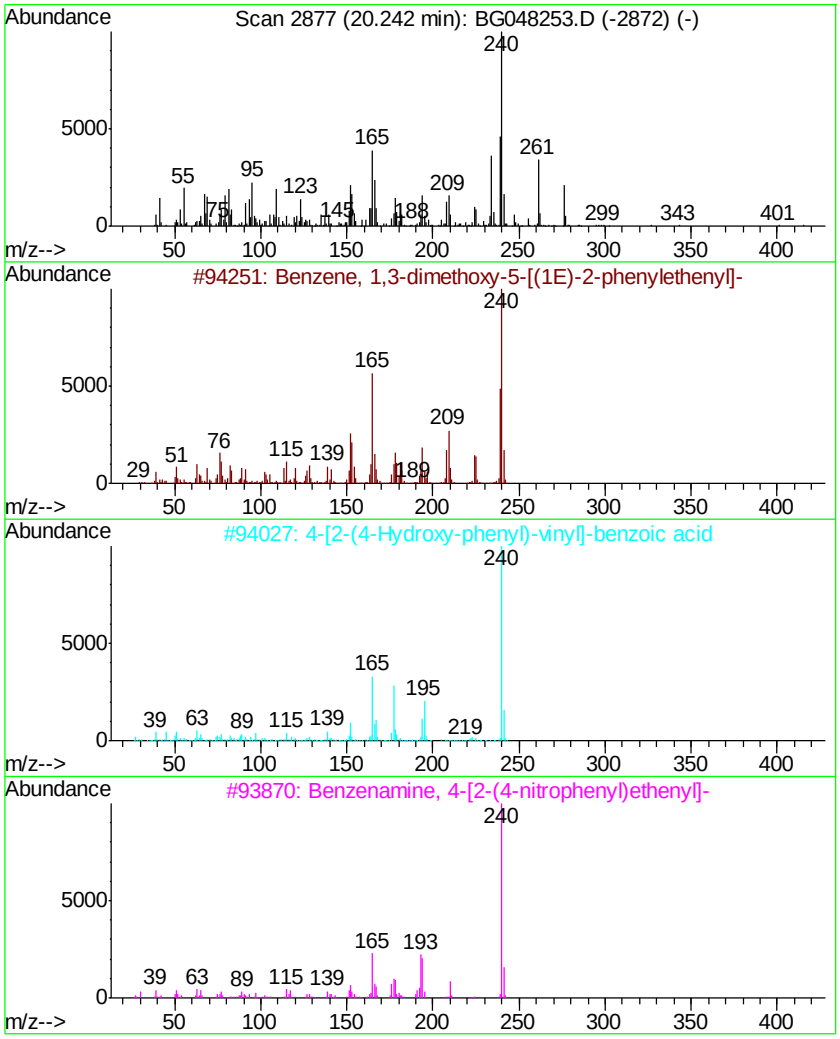
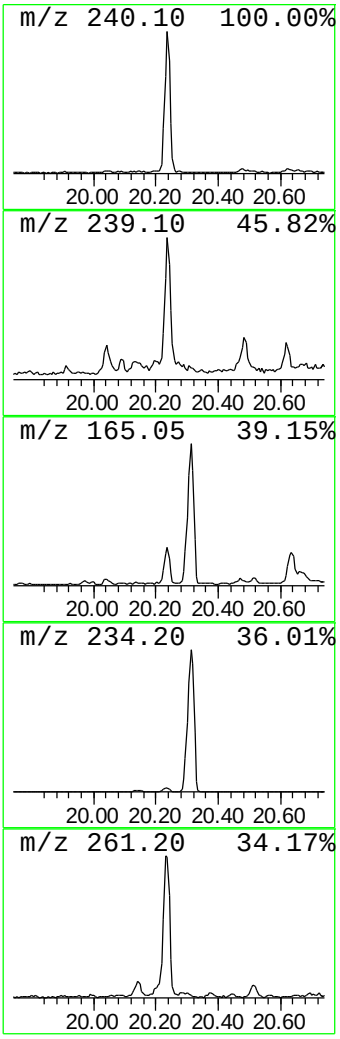
Peak Number 21 Benzene, 1,3-dimethoxy-5-[(... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	23.48 ng/ul	1138350	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethoxy-5-[(1E)-2...	240	C16H16O2	021956-56-9	95
2	4-[2-(4-Hydroxy-phenyl)-vinyl]-b...	240	C15H12O3	152027-61-7	41
3	Benzenamine, 4-[2-(4-nitrophenyl...	240	C14H12N2O2	004629-58-7	38
4	Benzenamine, N-[(4-methylphenyl)...	240	C14H12N2O2	020192-50-1	38
5	9H-Carbazole, 9-ethyl-3-nitro-	240	C14H12N2O2	000086-20-4	35





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Instrument : BNA_G
ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

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

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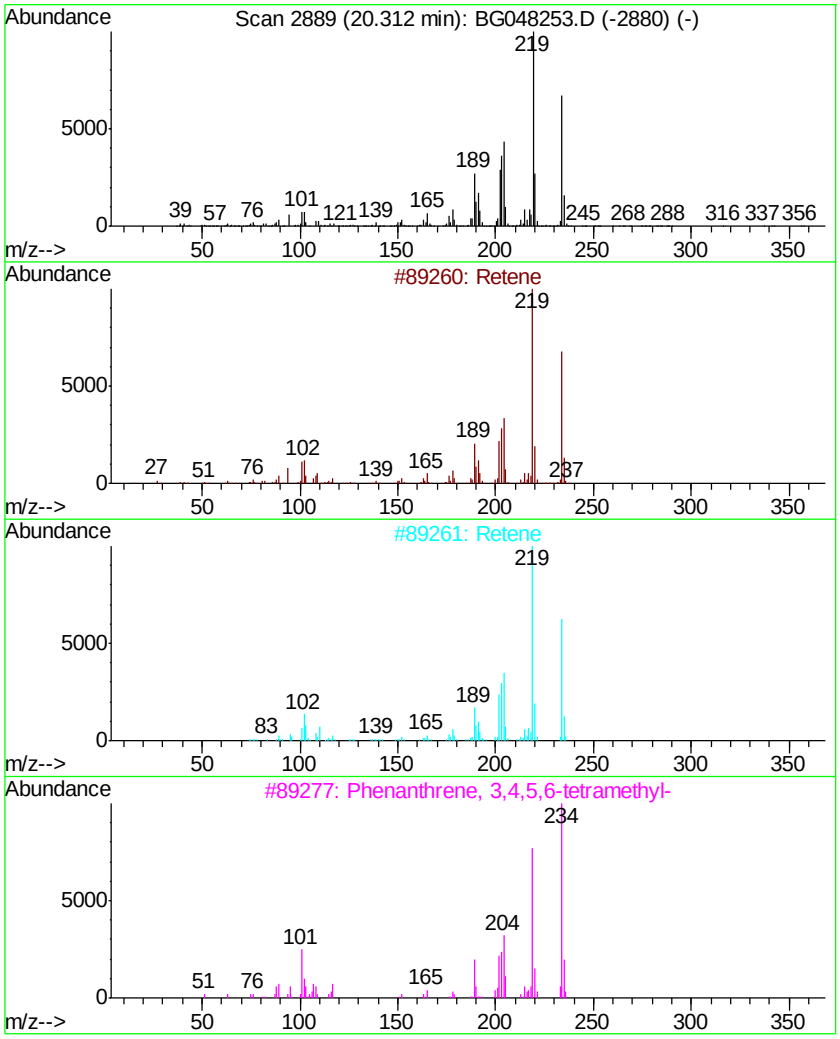
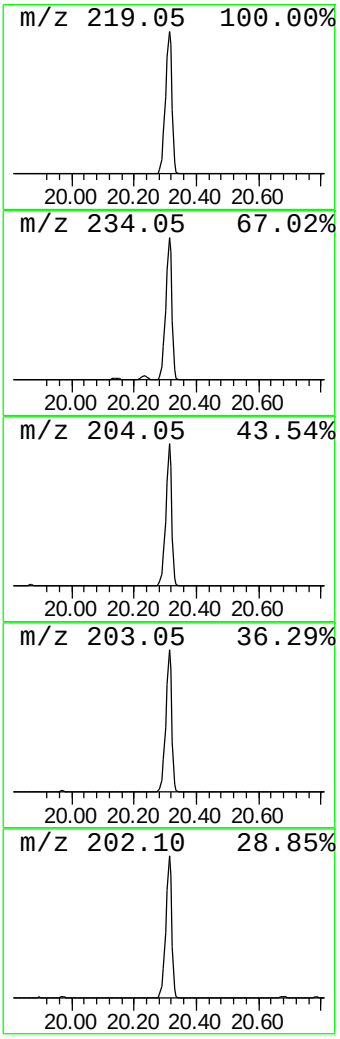
Peak Number 22 Retene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	259.28 ng/ul	12570100	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	Retene	234	C18H18	000483-65-8	95
3	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	93
4	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	93
5	Retene	234	C18H18	000483-65-8	91





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Sample : M1415-10
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Instrument : BNA_G
ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

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

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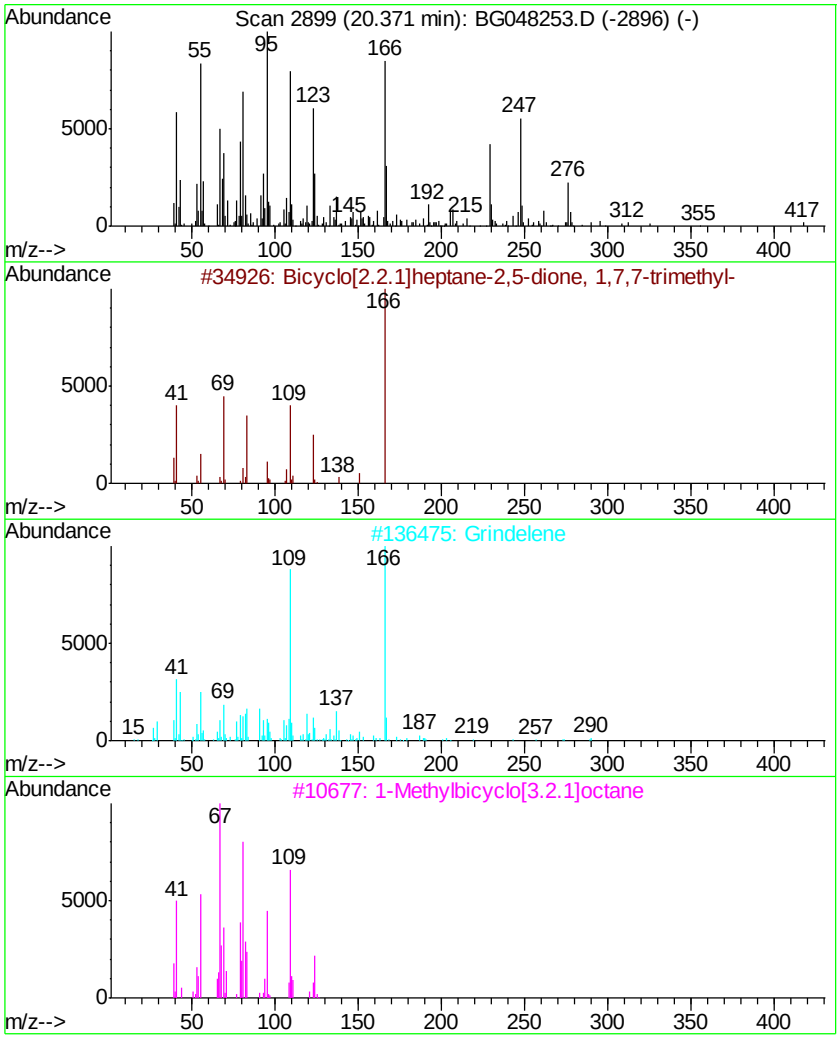
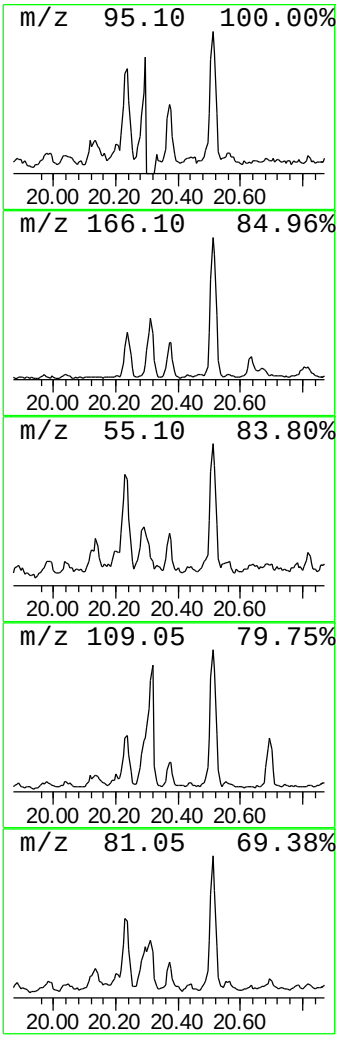
Peak Number 23 unknown-06 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	4.42 ng/ul	214327	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane-2,5-dione,...	166	C10H14O2	004230-32-4	43
2	Grindelene	290	C20H34O	001438-59-1	42
3	1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	18
4	1,3,4-Oxadiazole, 2-(5-methyl-2-...	276	C12H12N4O2S	1000337-64-4	15
5	Cyclohexene, 3,5,5-trimethyl-	124	C9H16	000933-12-0	11





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Sample : M1415-10
Misc :
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Instrument : BNA_G
ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

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

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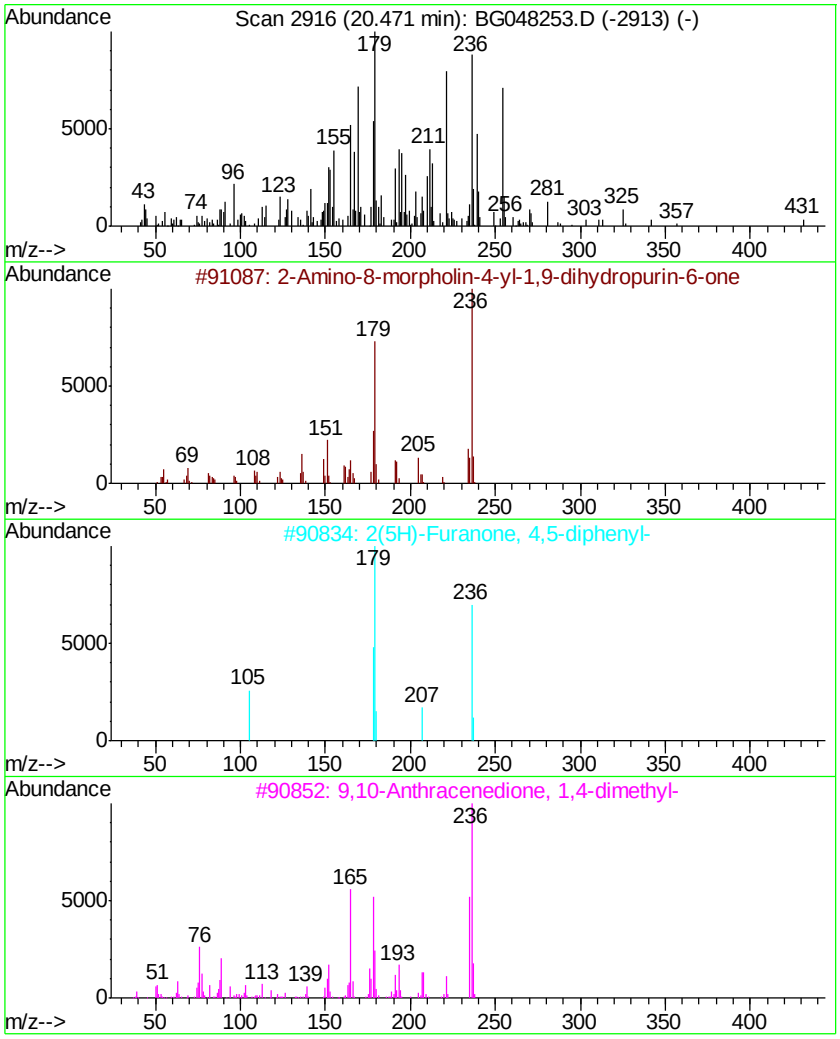
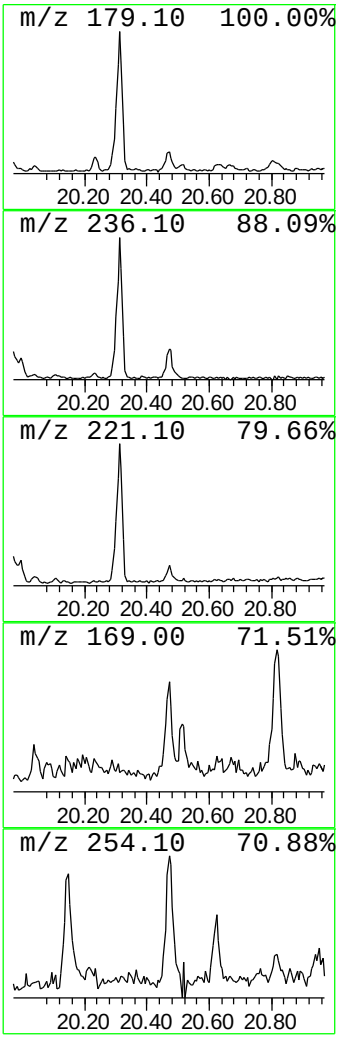
Peak Number 24 unknown-07 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.47	2.38 ng/ul	115558	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Amino-8-morpholin-4-yl-1,9-dih...	236	C9H12N6O2	326019-66-3	38
2	2(5H)-Furanone, 4,5-diphenyl-	236	C16H12O2	006620-27-5	30
3	9,10-Anthracenedione, 1,4-dimethyl-	236	C16H12O2	001519-36-4	18
4	2,4-Diethoxy-5-methoxy-1-(2-prop...	236	C14H20O3	1000122-72-0	18
5	9,10-Anthracenedione, 2,3-dimethyl-	236	C16H12O2	006531-35-7	18





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Instrument : BNA_G
ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

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

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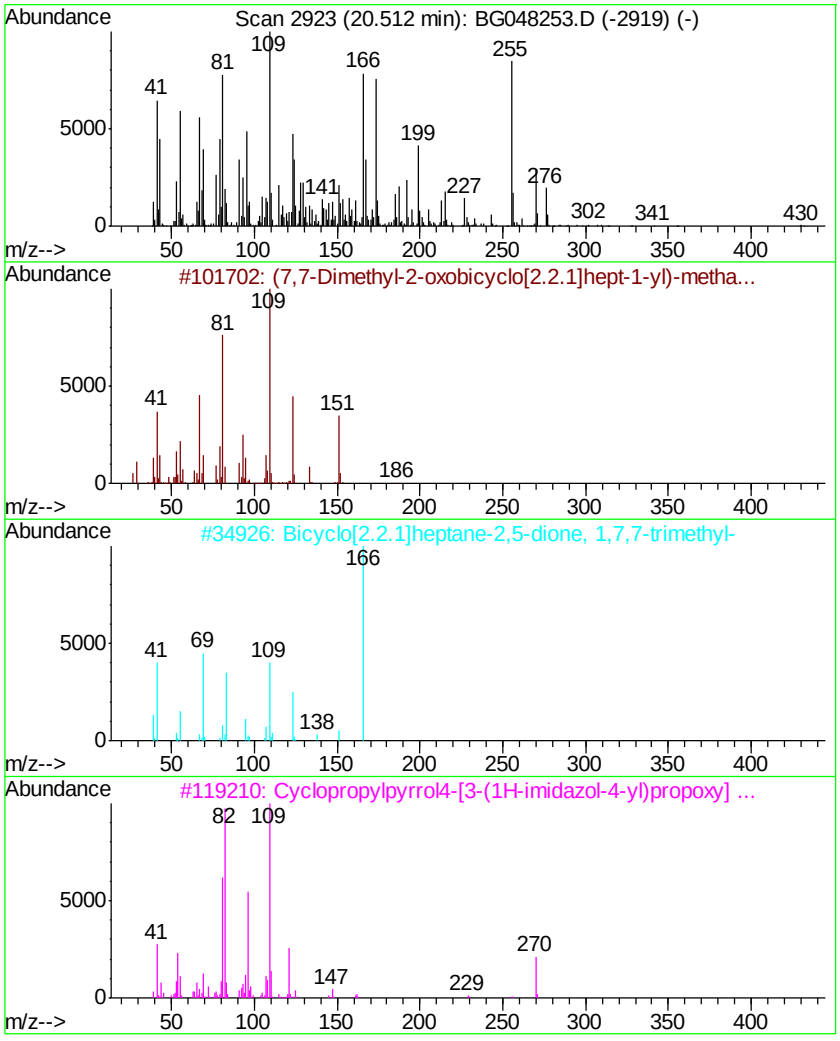
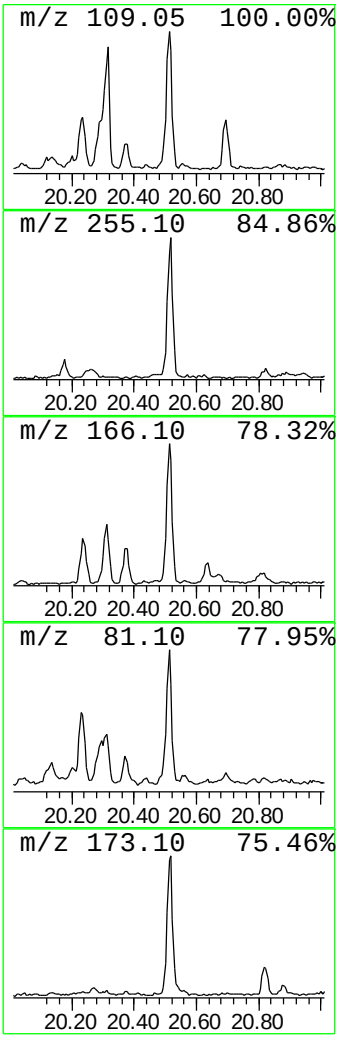
Peak Number 25 unknown-08 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.51	27.08 ng/ul	1312770	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(7,7-Dimethyl-2-oxobicyclo[2.2.1...	250	C10H15ClO3S	1000194-76-1	25
2	Bicyclo[2.2.1]heptane-2,5-dione,...	166	C10H14O2	004230-32-4	22
3	Cyclopropylpyrrol4-[3-(1H-imidaz...	270	C16H18N2O2	1000311-87-6	20
4	1-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	021391-98-0	14
5	1-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	021391-98-0	14





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Instrument : BNA_G
ClientSampleId : DBH24

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Quant Title : SVOA CALIBRATION

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

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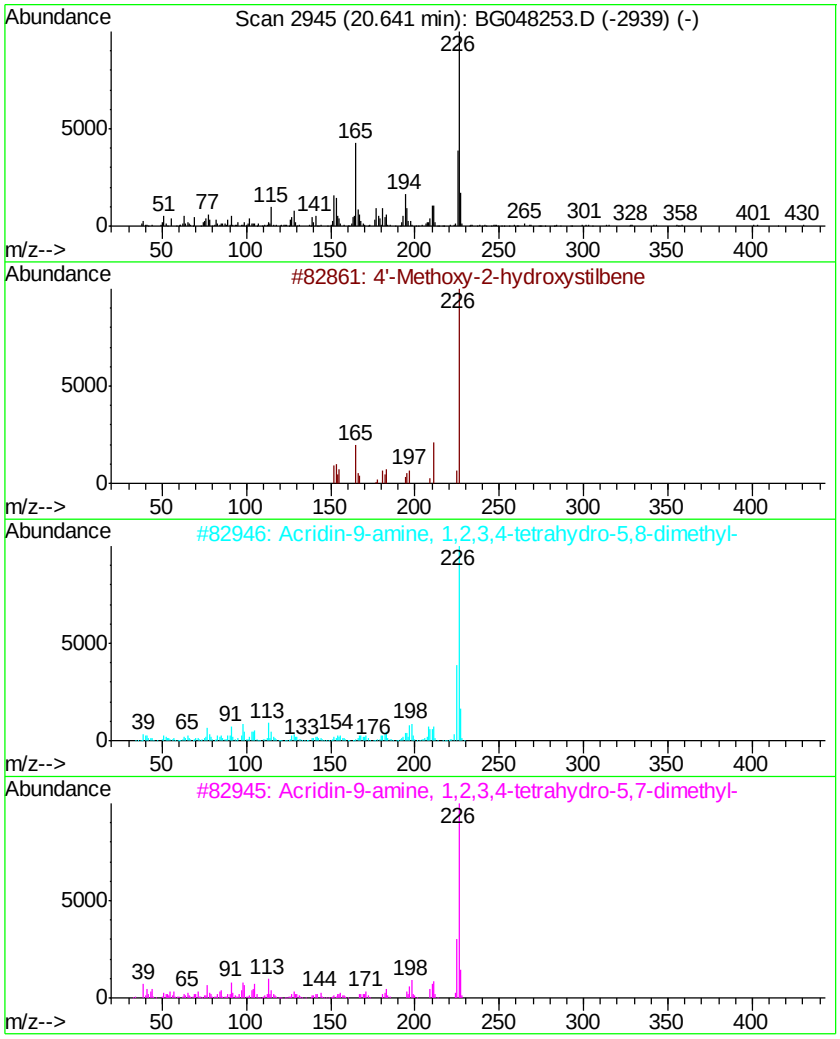
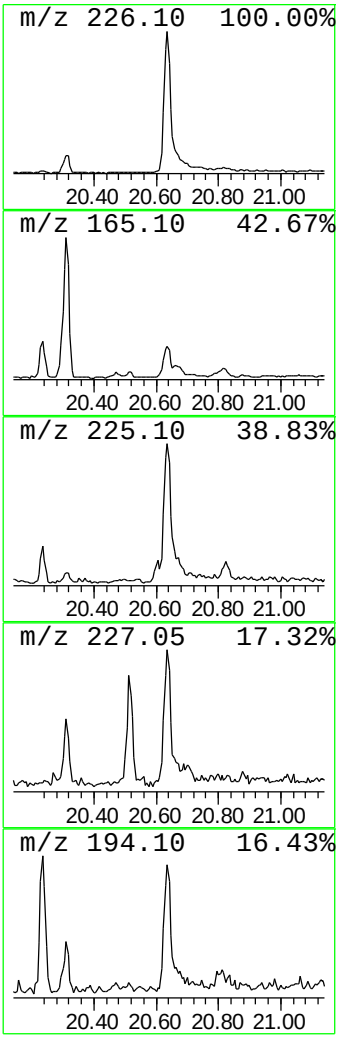
Peak Number 26 4'-Methoxy-2-hydroxystilbene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	9.21 ng/ul	446597	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4'-Methoxy-2-hydroxystilbene	226	C15H14O2	1000147-93-1	64
2	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	297758-19-1	62
3	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	58
4	9H-Pyrido[3,4-b]indole, 7-methox...	226	C14H14N2O	143502-37-8	52
5	Benzenamine, N-[(4-nitrophenyl)m...	226	C13H10N2O2	000785-80-8	49





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Quant Title : SVOA CALIBRATION

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

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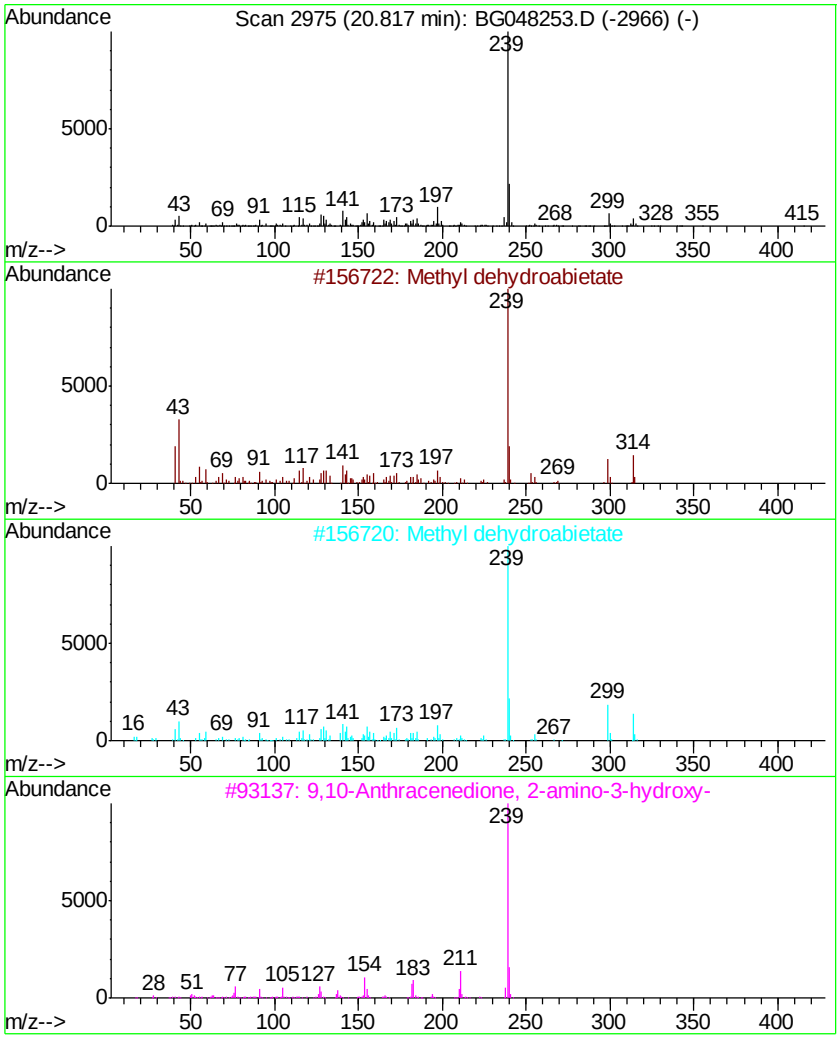
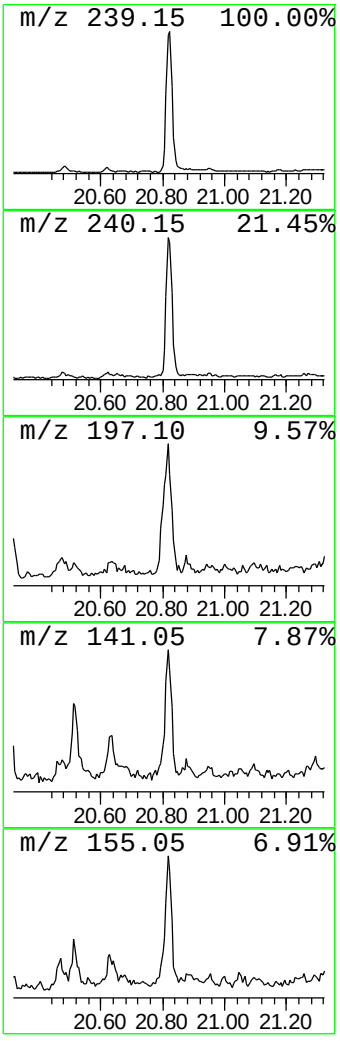
Peak Number 27 Methyl dehydroabietate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	20.26 ng/ul	982462	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl dehydroabietate	314	C21H30O2	001235-74-1	91
2	Methyl dehydroabietate	314	C21H30O2	001235-74-1	87
3	9,10-Anthracenedione, 2-amino-3-...	239	C14H9NO3	000117-77-1	64
4	trans-1,2-Bis(methyldichlorosily...	252	C4H8Cl4Si2	065899-10-7	64
5	2-Methyl-3-phenylsulfanyl-1H-indole	239	C15H13NS	1000322-52-7	59





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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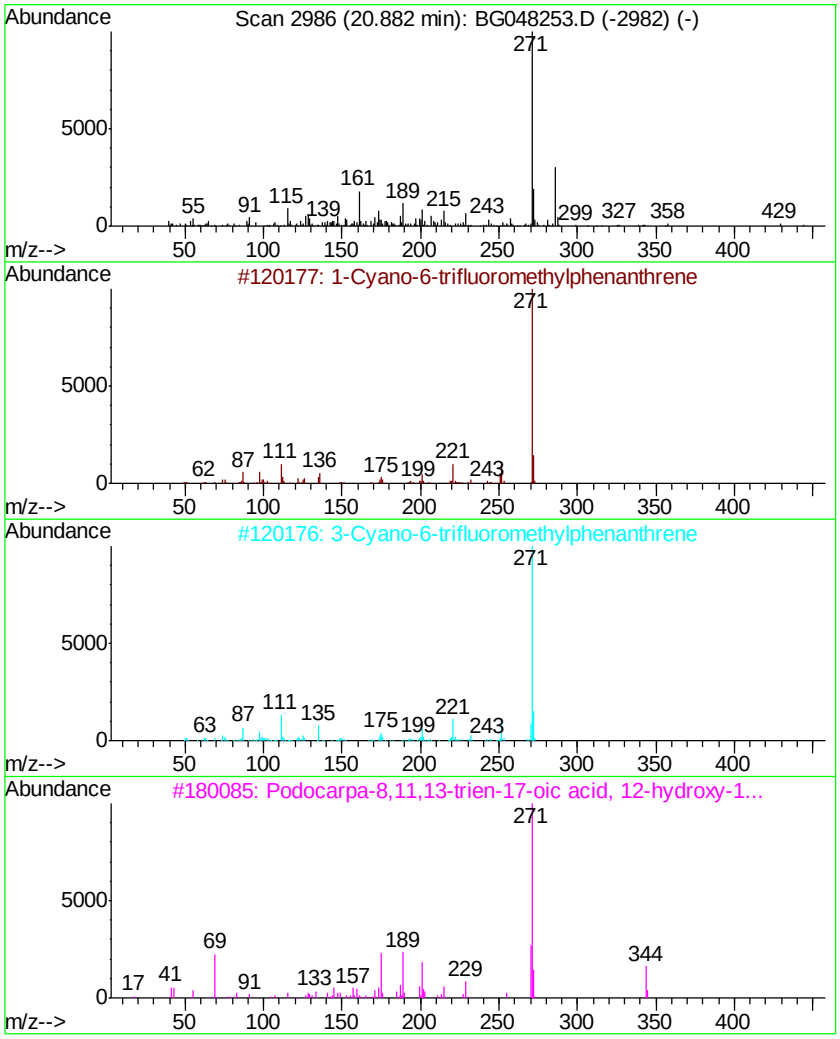
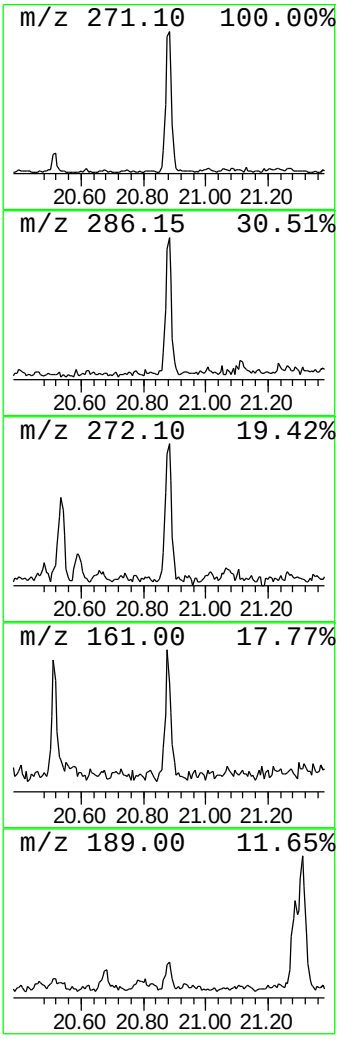
Peak Number 28 unknown-09 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.88	5.20 ng/ul	252085	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyano-6-trifluoromethylphenant...	271	C16H8F3N	1000254-01-1	46
2	3-Cyano-6-trifluoromethylphenant...	271	C16H8F3N	1000253-90-3	43
3	Podocarpa-8,11,13-trien-17-oic a...	344	C22H32O3	024067-43-4	40
4	3-Acridinol, 9-phenyl-	271	C19H13NO	109553-65-3	38
5	2-(1-Hydroxynaphthyl-2)quinoline	271	C19H13NO	024641-28-9	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\
Data File : BG048253.D
Acq On : 21 Feb 2021 2:52
Operator : CG/JU
Sample : M1415-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBH24

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

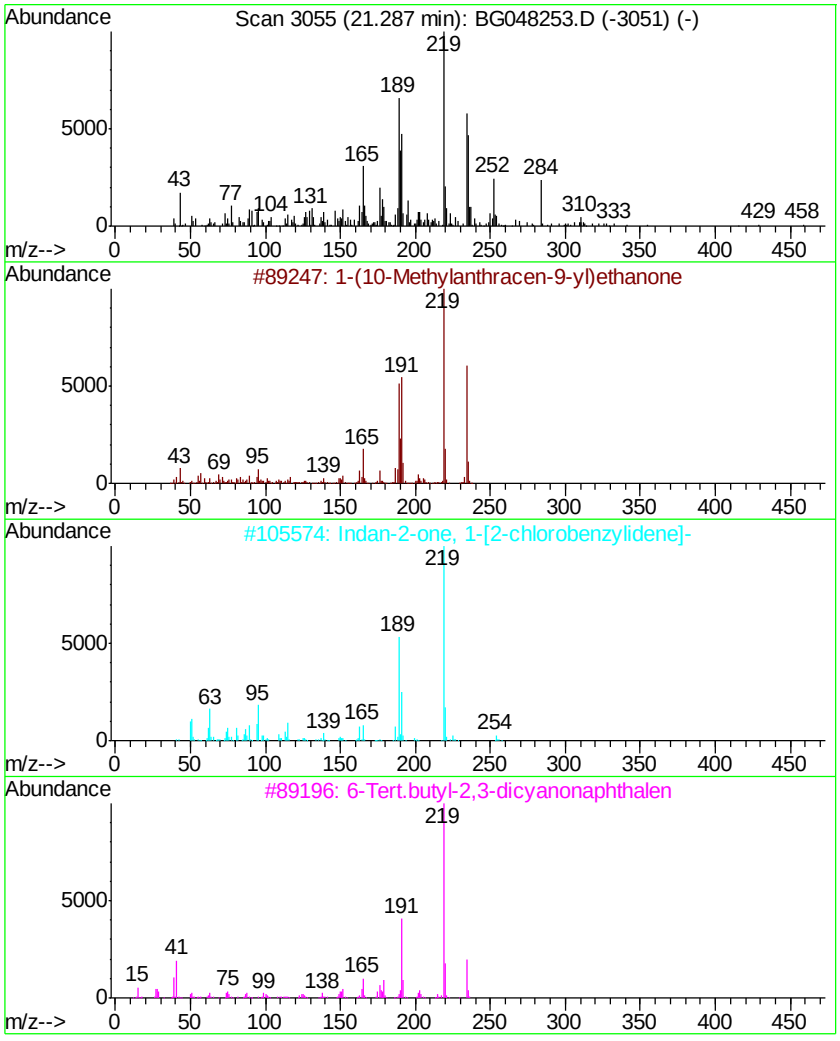
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

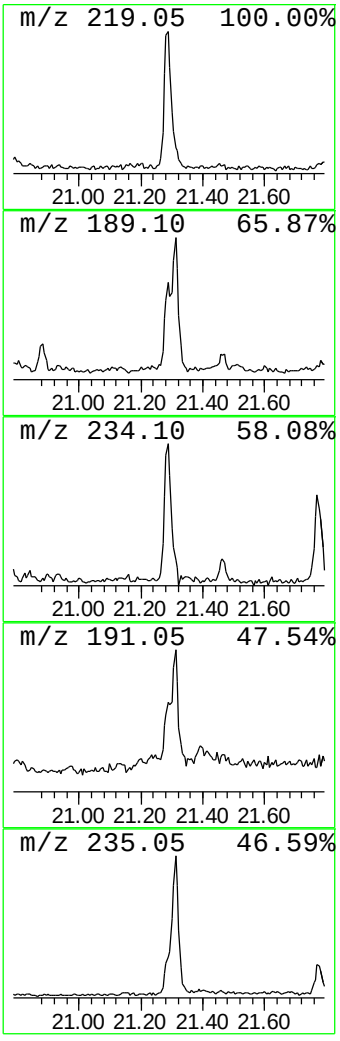
****

Peak Number 29 1-(10-Methylanthracen-9-yl)... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.29	3.77 ng/ul	182725	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(10-Methylanthracen-9-yl)ethanone	234	C17H14O	036778-18-4	70
2	Indan-2-one, 1-[2-chlorobenzylid...	254	C16H11ClO	1000251-73-0	38
3	6-Tert.butyl-2,3-dicyanonaphthalen	234	C16H14N2	032703-82-5	35
4	5(4H)-Thebenidinone	219	C15H9NO	064884-40-8	25
5	Ethanone, 1-[3-fluoro-4-(4-methy...	235	C14H18FNO	351039-00-4	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\
Data File : BG048253.D
Acq On : 21 Feb 2021 2:52
Operator : CG/JU
Sample : M1415-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBH24

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

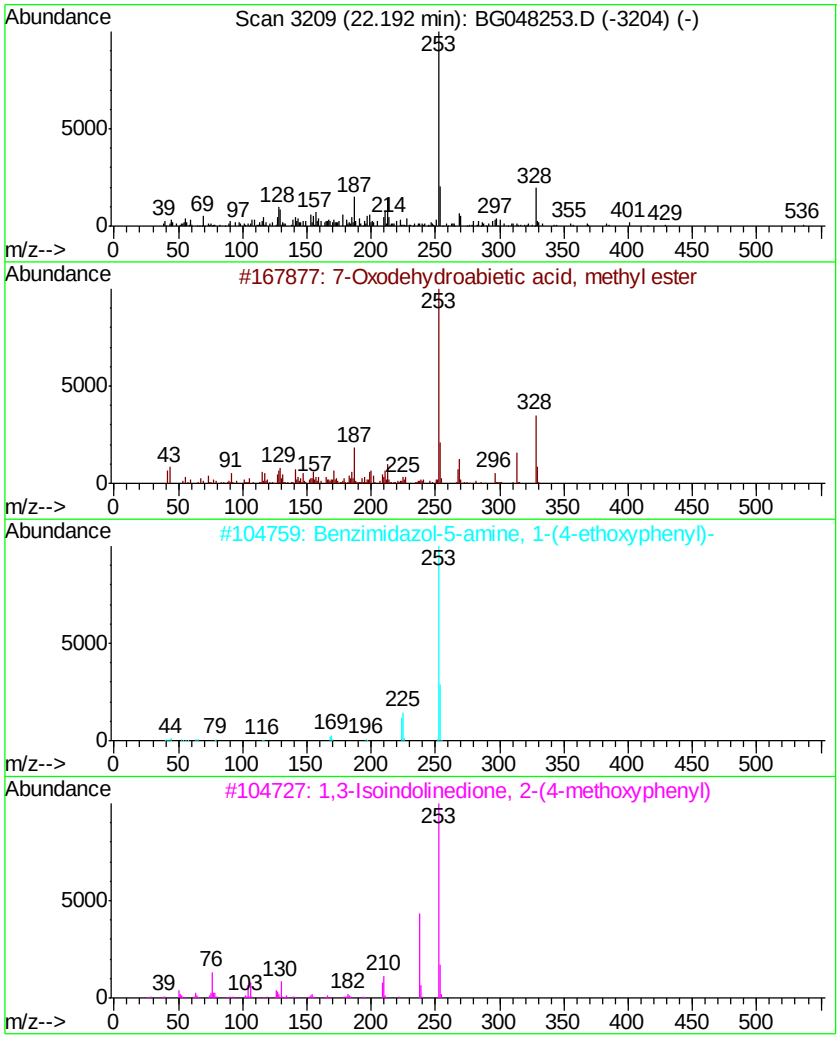
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

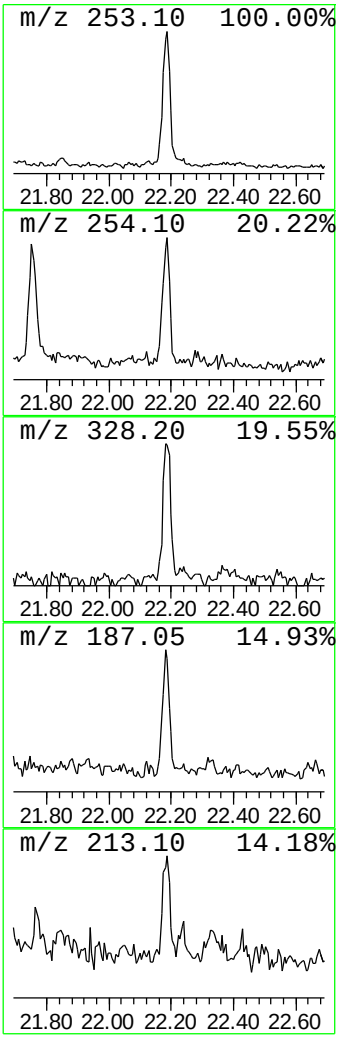
****

Peak Number 30 7-Oxodehydroabietic acid, m... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.19	4.53 ng/ul	219640	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxodehydroabietic acid, methyl...	328	C21H28O3	110936-78-2	86
2	Benzimidazol-5-amine, 1-(4-ethox...	253	C15H15N3O	007104-62-3	47
3	1,3-Isoindolinedione, 2-(4-metho...	253	C15H11NO3	002142-04-3	47
4	Silane, diphenylisobutoxy(2-meth...	330	C19H26O3Si	1000367-72-2	47
5	Silane, diphenylbutoxy(2-methoxy...	330	C19H26O3Si	1000367-72-3	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021921\
Data File : BG048253.D
Acq On : 21 Feb 2021 2:52
Operator : CG/JU
Sample : M1415-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBH24

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.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
(DEL) Alkane: Cyc...	7.52	4.5	ng/ul	62327	1	8.11	279102	20.0
Bicyclo[2.2.1]hep...	9.36	2.5	ng/ul	35430	1	8.11	279102	20.0
Camphor	10.34	4.4	ng/ul	85398	2	10.93	384585	20.0
endo-Borneol	10.71	3.1	ng/ul	59614	2	10.93	384585	20.0
Cyclohexanemethan...	12.65	2.2	ng/ul	42941	2	10.93	384585	20.0
Benzaldehyde, 3-h...	13.67	2.5	ng/ul	70210	3	14.74	566336	20.0
3,5-Dichlorobenzy...	18.59	6.3	ng/ul	209877	4	17.49	661220	20.0
unknown-01	18.67	2.6	ng/ul	84920	4	17.49	661220	20.0
Naphthalene, deca...	18.70	4.5	ng/ul	148612	4	17.49	661220	20.0
Benzamide, N-(4-f...	18.76	64.7	ng/ul	2139690	4	17.49	661220	20.0
18-Norabietane	18.94	62.8	ng/ul	2077210	4	17.49	661220	20.0
Phenanthrene, 7-e...	19.05	3.3	ng/ul	109032	4	17.49	661220	20.0
4b,8-Dimethyl-2-i...	19.08	99.7	ng/ul	3296660	4	17.49	661220	20.0
unknown-02	19.22	8.6	ng/ul	282588	4	17.49	661220	20.0
4-(Naphthalen-2-y...	19.28	4.8	ng/ul	159875	4	17.49	661220	20.0
10,18-Bisnorabiet...	19.58	102.4	ng/ul	3385030	4	17.49	661220	20.0
Phenanthrene, 2,3...	19.97	7.1	ng/ul	343546	5	21.77	969622	20.0
unknown-03	20.04	4.9	ng/ul	238768	5	21.77	969622	20.0
unknown-04	20.14	6.5	ng/ul	317587	5	21.77	969622	20.0
unknown-05	20.20	4.5	ng/ul	217763	5	21.77	969622	20.0
Benzene, 1,3-dime...	20.24	23.5	ng/ul	1138350	5	21.77	969622	20.0
Retene	20.31	259.3	ng/ul	12570100	5	21.77	969622	20.0
unknown-06	20.37	4.4	ng/ul	214327	5	21.77	969622	20.0
unknown-07	20.47	2.4	ng/ul	115558	5	21.77	969622	20.0
unknown-08	20.51	27.1	ng/ul	1312770	5	21.77	969622	20.0
4'-Methoxy-2-hydr...	20.64	9.2	ng/ul	446597	5	21.77	969622	20.0
Methyl dehydroabi...	20.82	20.3	ng/ul	982462	5	21.77	969622	20.0
unknown-09	20.88	5.2	ng/ul	252085	5	21.77	969622	20.0
1-(10-Methylanthr...	21.29	3.8	ng/ul	182725	5	21.77	969622	20.0
7-Oxodehydroabiet...	22.19	4.5	ng/ul	219640	5	21.77	969622	20.0