LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\
Data File : BG048244.D
Acq On : 20 Feb 2021 20:05
Operator : CG/JU
Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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	6.630	555	560	565	rVB4	11179	17169	0.10%	0.041%
2	7.047	626	631	636	rBV4	10201	19414	0.11%	0.046%
3	7.265	662	668	672	rBV2	18460	30490	0.18%	0.072%
4	7.329	672	679	689	rVV	139748	254156	1.50%	0.600%
5	7.441	691	698	707	rVV	88707	167568	0.99%	0.396%
6	7.517	707	711	718	rVB3	26011	42091	0.25%	0.099%
7	7.606	720	726	731	rBV4	41699	73530	0.43%	0.174%
8	7.670	731	737	743	rVB	129544	218746	1.29%	0.516%
9	8.081	802	807	808	rBV	16372	18941	0.11%	0.045%
10	8.117	808	813	821	rVB	168170	289797	1.71%	0.684%
11	8.246	829	835	842	rBV3	55019	83964	0.50%	0.198%
12	8.328	844	849	855	rBV2	50212	77345	0.46%	0.183%
13	8.422	860	865	872	rVB4	22464	40163	0.24%	0.095%
14	8.869	932	941	951	rBV	172360	299629	1.77%	0.707%
15	9.227	996	1002	1007	rBV5	10461	18529	0.11%	0.044%
16	9.292	1007	1013	1022	rVV	127131	245395	1.45%	0.579%
17	9.850	1102	1108	1120	rBV5	22996	54731	0.32%	0.129%
18	10.020	1129	1137	1144	rBV	127577	237336	1.40%	0.560%
19	10.185	1159	1165	1172	rBV2	21875	37516	0.22%	0.089%
20	10.267	1172	1179	1188	rBV7	32534	75097	0.44%	0.177%
21	10.349	1188	1193	1198	rVV5	14697	25831	0.15%	0.061%
22	10.579	1225	1232	1240	rBV	187039	351795	2.07%	0.830%
23	10.714	1248	1255	1262	rBV	87568	159043	0.94%	0.375%
24	10.937	1286	1293	1299	rBV	234423	404609	2.39%	0.955%
25	10.990	1299	1302	1307	rVV2	58146	86117	0.51%	0.203%
26	11.090	1307	1319	1326	rVB2	68243	143391	0.85%	0.338%
27	11.936	1456	1463	1467	rBV6	9602	18264	0.11%	0.043%
28	12.094	1484	1490	1495	rBV4	10949	17490	0.10%	0.041%
29	12.235	1510	1514	1519	rBV4	15183	23442	0.14%	0.055%
30	12.664	1582	1587	1594	rVB2	83038	141557	0.83%	0.334%
31	12.940	1628	1634	1640	rBV3	26750	45599	0.27%	0.108%
32	13.034	1645	1650	1654	rBV5	21267	38848	0.23%	0.092%
33	13.481	1723	1726	1731	rBV5	12172	19255	0.11%	0.045%
34	13.581	1739	1743	1749	rVB3	21708	27860	0.16%	0.066%

LSC Area Percent Report

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Misc :
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Instrument : BNA_G
ClientSampleId : DBGZ8

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

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

35	13.681	1756	1760	1764	rBV3	16620	22655	0.13%	0.053%
36	13.798	1775	1780	1784	rBV	56485	88399	0.52%	0.209%
37	14.074	1823	1827	1832	rVB6	13127	19120	0.11%	0.045%
38	14.157	1832	1841	1846	rBV	304994	457589	2.70%	1.080%
39	14.198	1846	1848	1853	rVB	26223	32271	0.19%	0.076%
40	14.351	1872	1874	1881	rVB8	10982	20437	0.12%	0.048%
41	14.445	1884	1890	1898	rVB	332536	519529	3.06%	1.226%
42	14.750	1935	1942	1950	rVB	378246	580593	3.42%	1.371%
43	14.868	1958	1962	1966	rVB6	11384	19454	0.11%	0.046%
44	15.020	1982	1988	1994	rBV	128524	224125	1.32%	0.529%
45	15.126	2004	2006	2012	rBV6	13414	24143	0.14%	0.057%
46	15.179	2012	2015	2022	rVB4	23081	34546	0.20%	0.082%
47	15.737	2105	2110	2117	rVB	399176	604264	3.56%	1.426%
48	15.872	2129	2133	2137	rBV	116971	153106	0.90%	0.361%
49	16.113	2170	2174	2179	rBV2	36795	52724	0.31%	0.124%
50	17.494	2404	2409	2416	rBV	414009	632176	3.73%	1.492%
51	17.594	2420	2426	2432	rVV	428572	665833	3.93%	1.572%
52	17.682	2437	2441	2446	rBV	84701	126938	0.75%	0.300%
53	17.911	2477	2480	2486	rBV6	53733	78308	0.46%	0.185%
54	18.493	2575	2579	2584	rBV6	85796	155163	0.91%	0.366%
55	18.675	2607	2610	2613	rBV4	52719	67116	0.40%	0.158%
56	18.757	2621	2624	2625	rBV	88189	89737	0.53%	0.212%
57	18.810	2630	2633	2638	rVB	174777	238333	1.41%	0.563%
58	19.092	2677	2681	2687	rVB	305449	399537	2.36%	0.943%
59	19.163	2690	2693	2698	rVV	132682	169065	1.00%	0.399%
60	19.315	2716	2719	2723	rBV	336979	411606	2.43%	0.972%
61	19.586	2761	2765	2775	rVB	1367185	2071088	12.21%	4.889%
62	19.879	2810	2815	2818	rBV	517922	744089	4.39%	1.756%
63	20.250	2872	2878	2884	rBV	2872012	3707511	21.86%	8.752%
64	20.308	2884	2888	2894	rVV	305277	417477	2.46%	0.985%
65	20.443	2908	2911	2914	rBV	165286	224648	1.32%	0.530%
66	20.667	2941	2949	2953	rBV	10313043	16958245	100.00%	40.031%
67	20.814	2969	2974	2982	rBV2	1027980	2186248	12.89%	5.161%
68	21.213	3039	3042	3047	rVB	313951	390269	2.30%	0.921%
69	21.701	3119	3125	3132	rBV	1519781	2625536	15.48%	6.198%
70	21.783	3135	3139	3150	rVB	465603	856861	5.05%	2.023%
71	22.136	3195	3199	3204	rBV2	418732	790408	4.66%	1.866%

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Instrument : BNA_G
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Integration Parameters: LSCINT.P
Integrator: RTE
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Sampling : 1 Min Area: 0.1 % of largest Peak
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72	22.335	3230	3233	3246	rVB	534775	1029905	6.07%	2.431%
73	23.446	3418	3422	3435	rBV2	255302	668691	3.94%	1.578%

Sum of corrected areas: 42362451

LSC Report - Integrated Chromatogram

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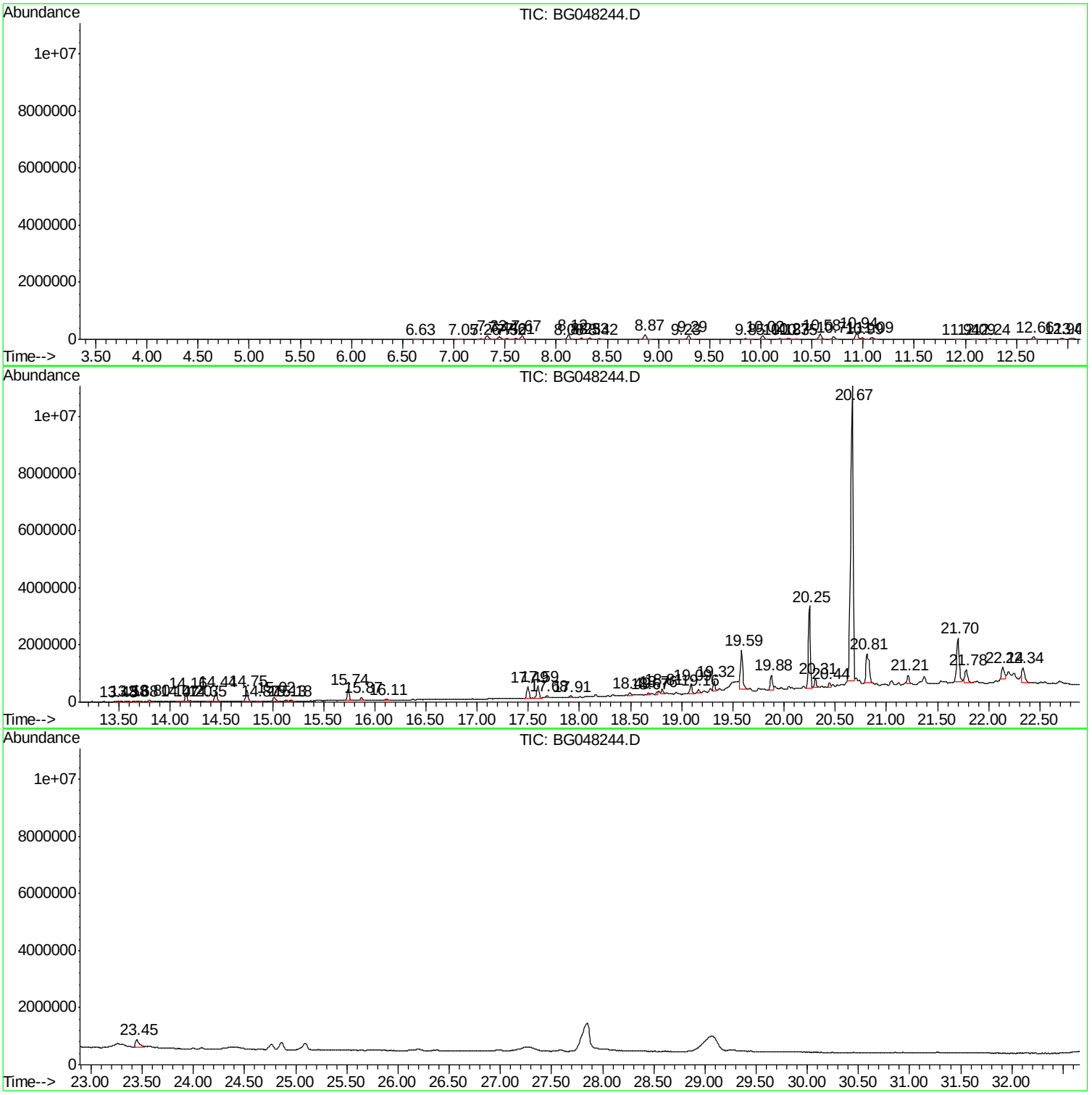
Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DBGZ8

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\
Data File : BG048244.D
Acq On : 20 Feb 2021 20:05
Operator : CG/JU
Sample : M1412-21
Misc :
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Instrument : BNA_G
ClientSampleId : DBGZ8

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

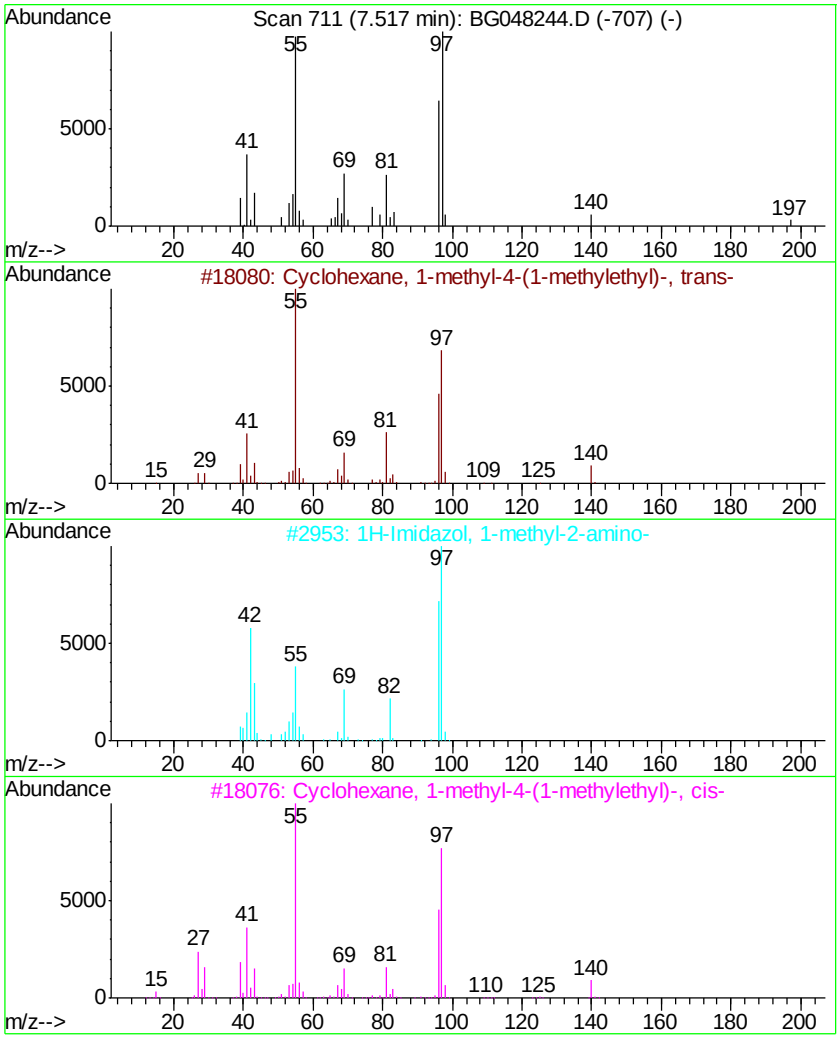
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

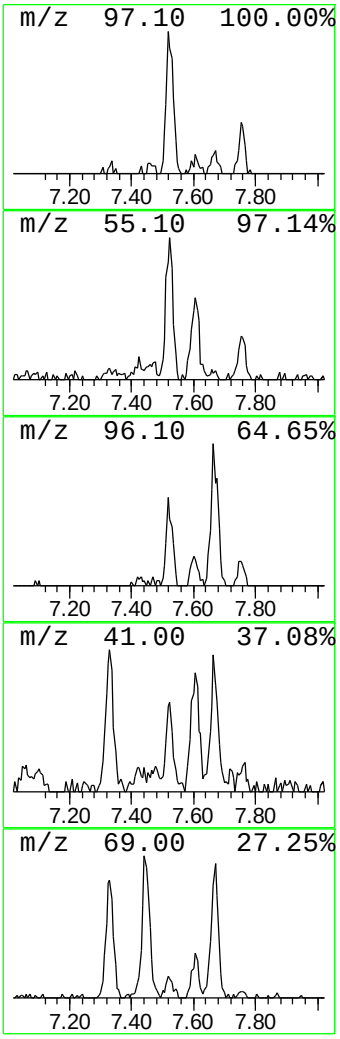
****

Peak Number 1 (DEL) Alkane: Cyclic7.52 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	2.90 ng/ul	42091	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	83
2	1H-Imidazol, 1-methyl-2-amino-	97	C4H7N3	006646-51-1	72
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	64
4	Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	59
5	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\
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Operator : CG/JU
Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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

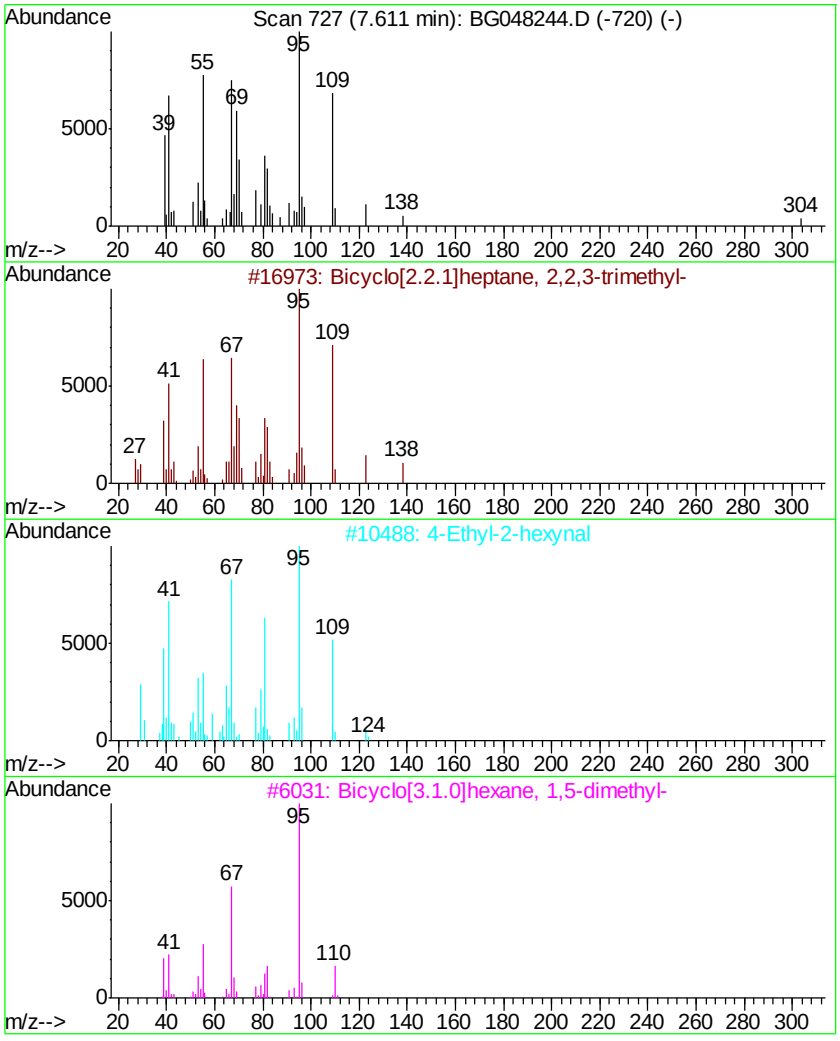
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

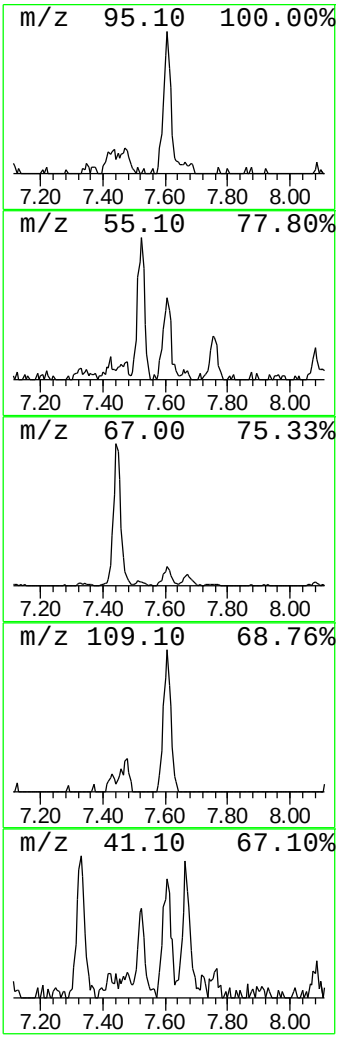
****

Peak Number 2 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	5.07 ng/ul	73530	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	86
2	4-Ethyl-2-hexynal	124	C8H12O	071932-97-3	81
3	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	49
4	3-Nonyne	124	C9H16	020184-89-8	43
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\
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Acq On : 20 Feb 2021 20:05
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Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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

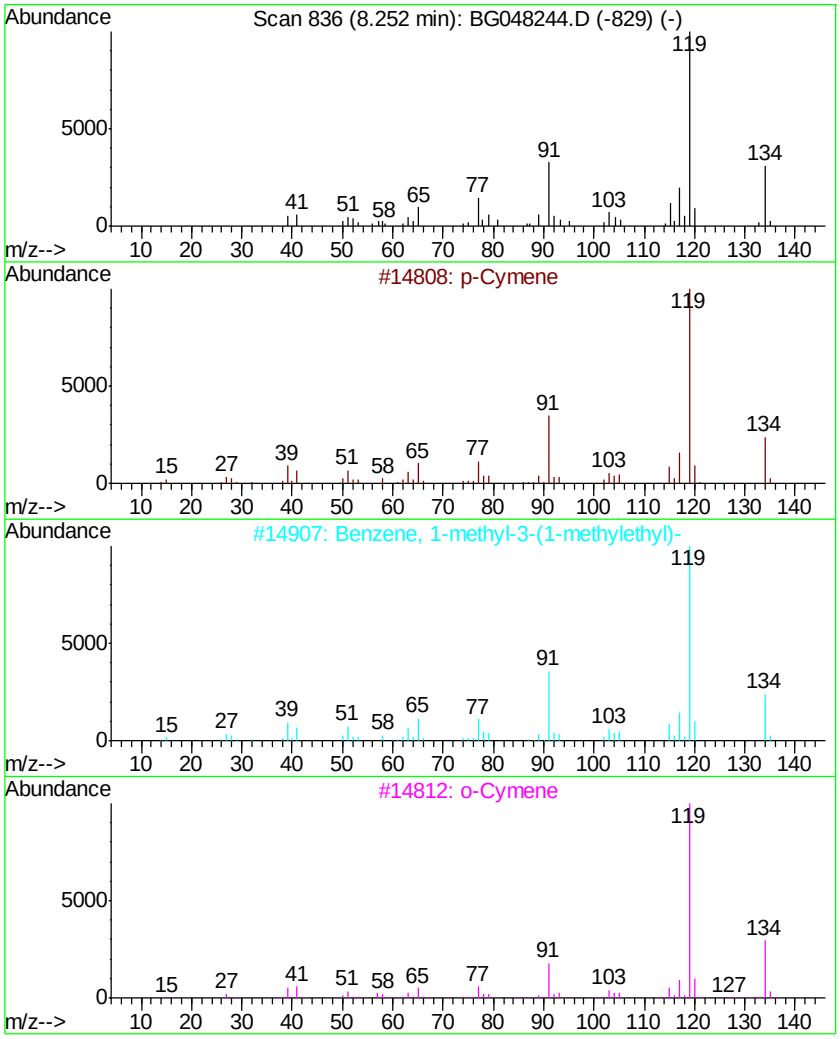
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

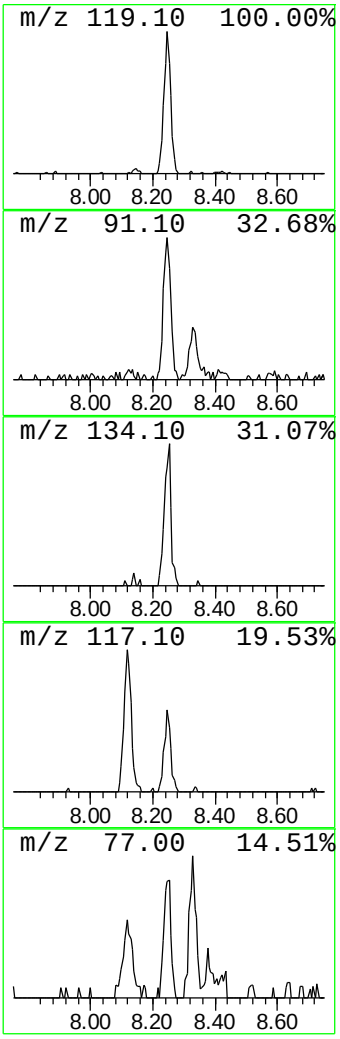
****

Peak Number 3 p-Cymene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	5.79 ng/ul	83964	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	93
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
3	o-Cymene	134	C10H14	000527-84-4	90
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	83
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81





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Quant Title : SVOA CALIBRATION

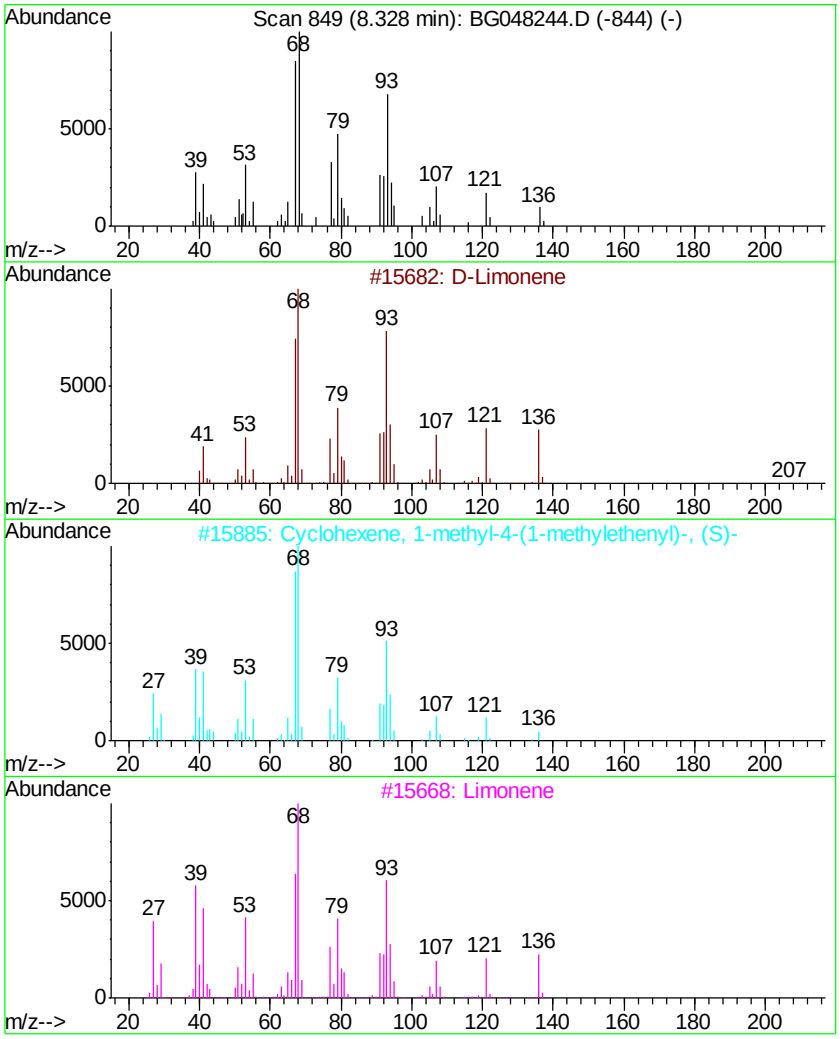
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

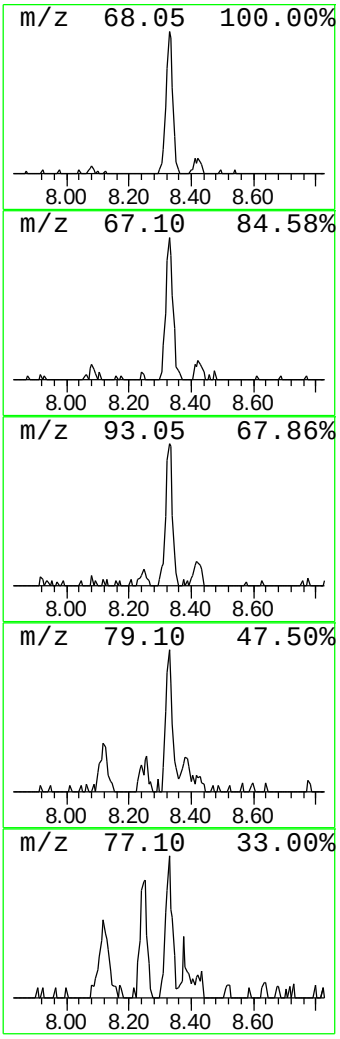
****

Peak Number 4 D-Limonene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	5.34 ng/ul	77345	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	95
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	93
3	Limonene	136	C10H16	000138-86-3	91
4	Limonene	136	C10H16	000138-86-3	81
5	D-Limonene	136	C10H16	005989-27-5	81





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Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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

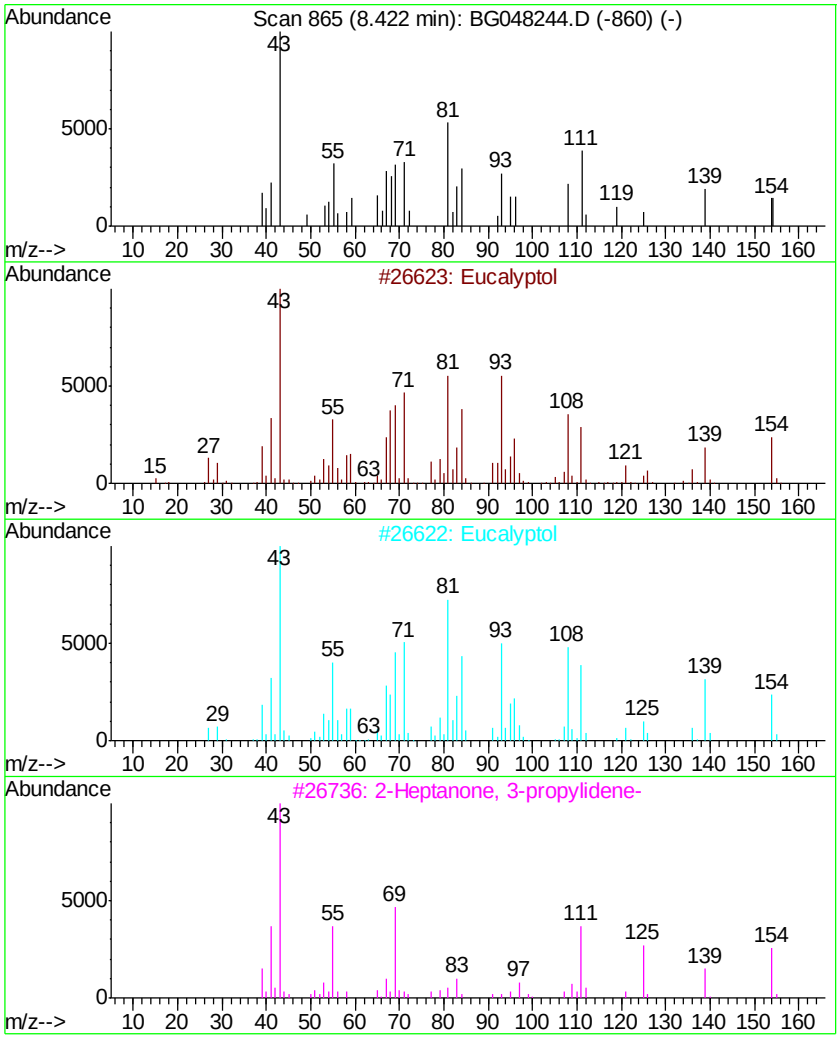
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

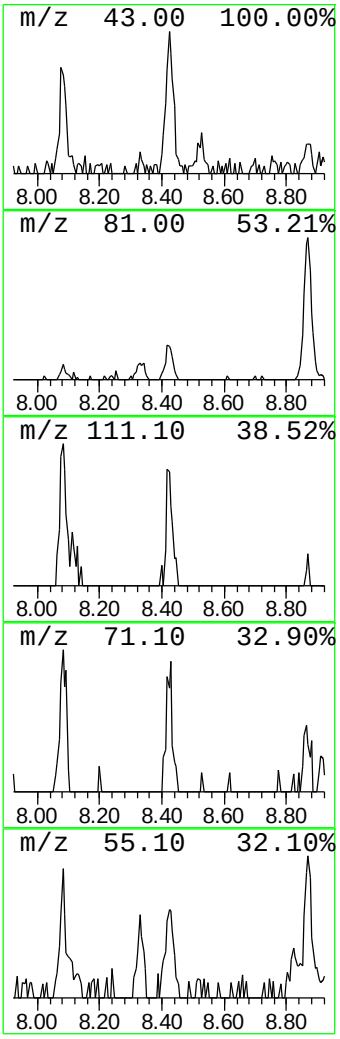
****

Peak Number 5 Eucalyptol Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	2.77 ng/ul	40163	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	53
2	Eucalyptol	154	C10H18O	000470-82-6	38
3	2-Heptanone, 3-propylidene-	154	C10H18O	032064-70-3	35
4	1-Methyl-2-aminomethylimidazole	111	C5H9N3	124312-73-8	27
5	2-Cyclohexen-1-ol, 1-methyl-4-(1...	154	C10H18O	029803-82-5	23





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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

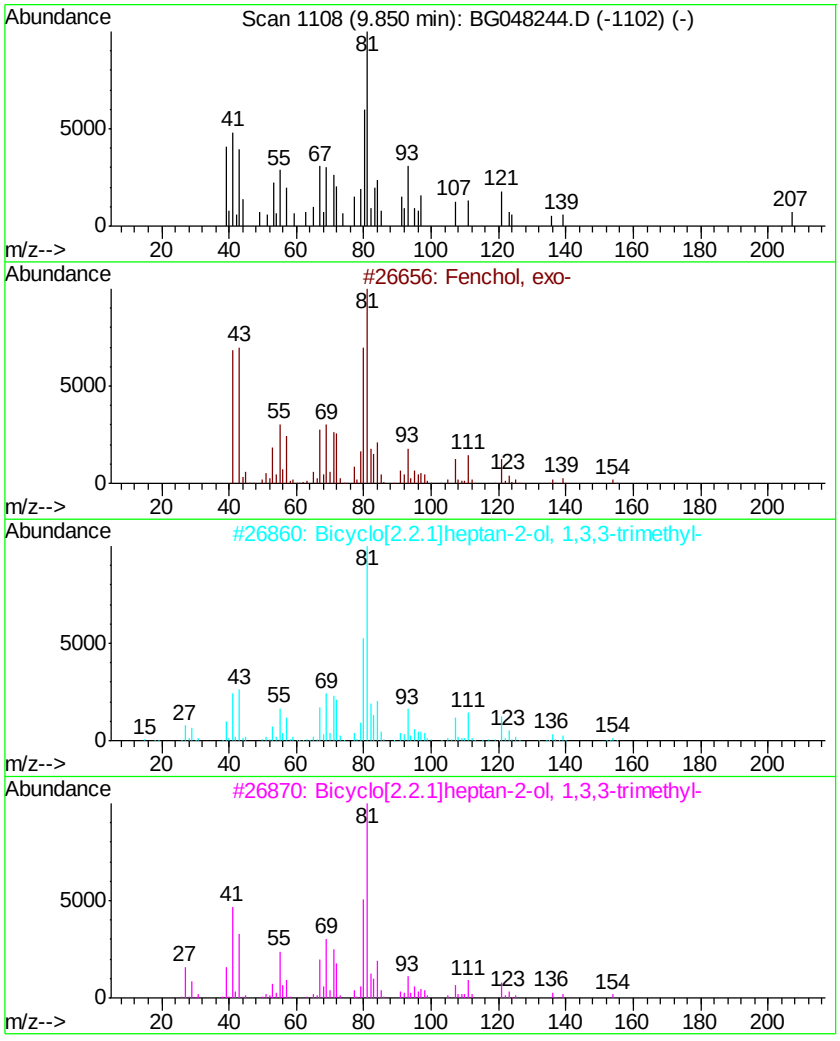
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

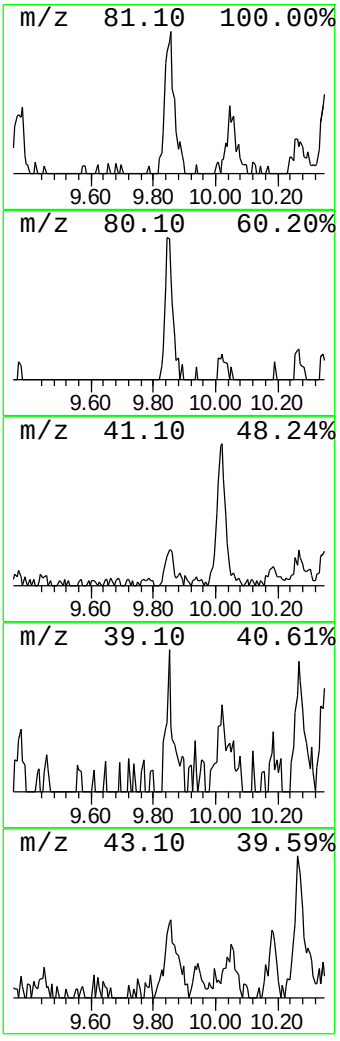
****

Peak Number 6 Fenchol, exo- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	2.71 ng/ul	54731	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fenchol, exo-	154	C10H18O	022627-95-8	86
2	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	001632-73-1	86
3	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	001632-73-1	78
4	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	002217-02-9	72
5	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	001632-73-1	64





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Data File : BG048244.D
Acq On : 20 Feb 2021 20:05
Operator : CG/JU
Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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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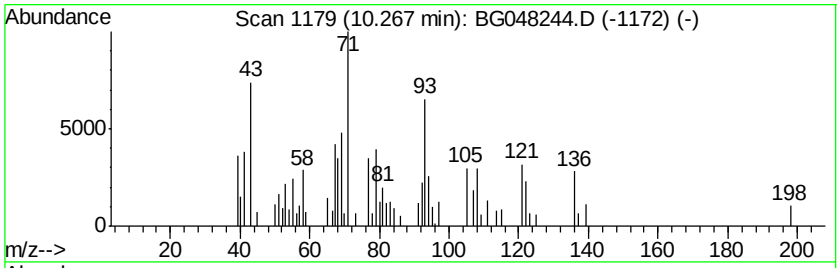
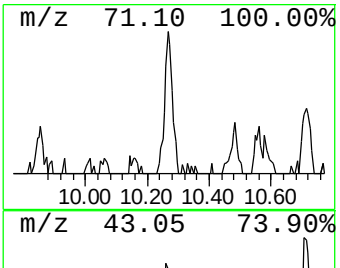
Peak Number 7 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	3.71 ng/ul	75097	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2,4-diethenyl-1-met...	150	C11H18	061142-71-0	38
2	.beta.-Myrcene	136	C10H16	000123-35-3	38
3	3-Octen-5-yne, 2,7-dimethyl-, (Z)-	136	C10H16	028935-76-4	30
4	Camphene	136	C10H16	000079-92-5	27
5	Cyclohexane, 1,4-bis(methylene)-	108	C8H12	004982-20-1	25





Library Search Compound Report

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Acq On : 20 Feb 2021 20:05
Operator : CG/JU
Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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Quant Title : SVOA CALIBRATION

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

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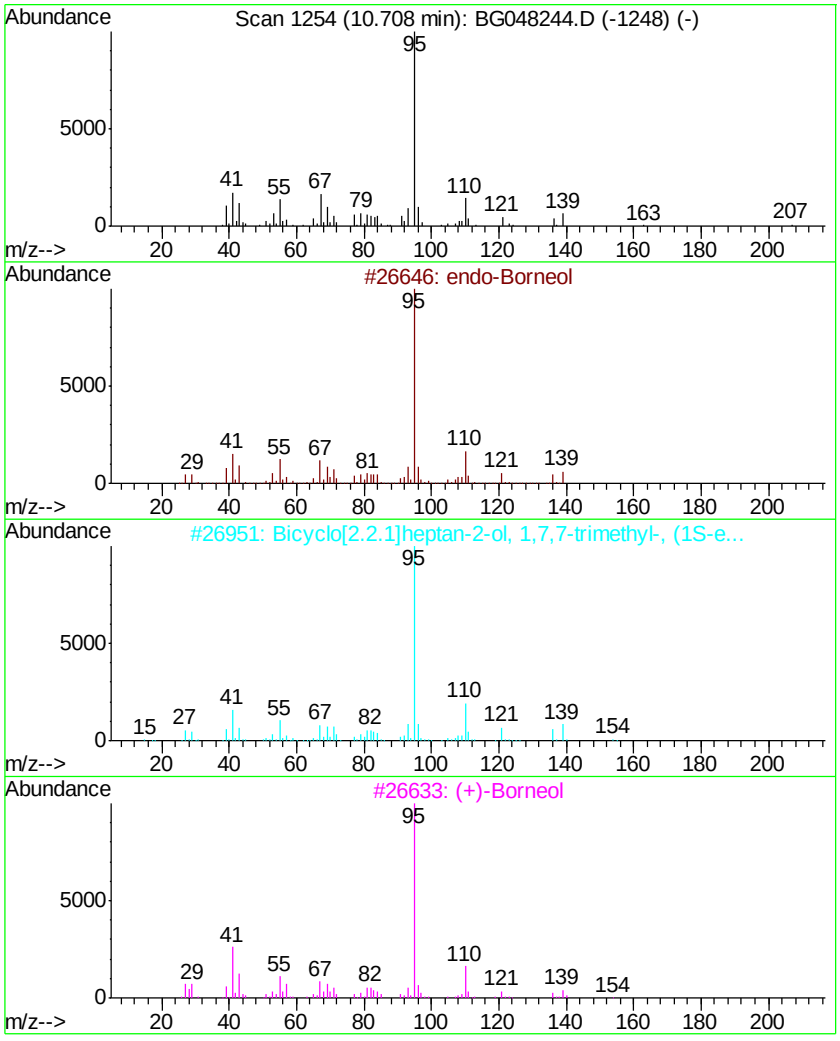
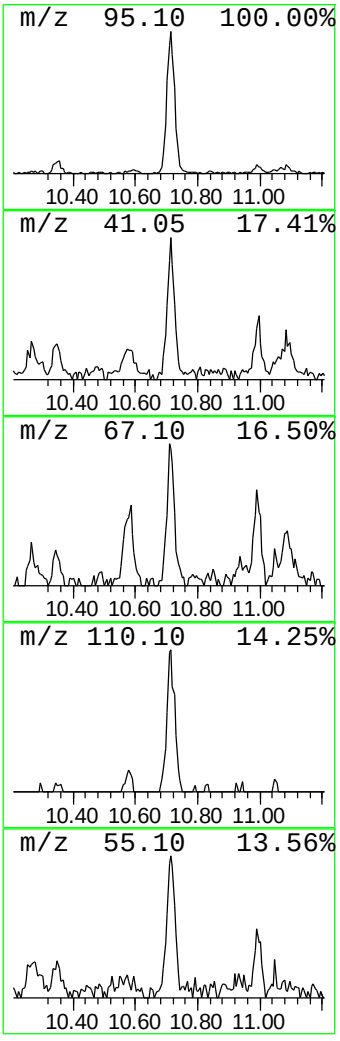
Peak Number 8 endo-Borneol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	7.86 ng/ul	159043	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	endo-Borneol	154	C10H18O	000507-70-0	86
2	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	154	C10H18O	000464-45-9	78
3	(+)-Borneol	154	C10H18O	1000150-76-3	72
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	72
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	59





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Instrument : BNA_G
ClientSampleId : DBGZ8

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Quant Title : SVOA CALIBRATION

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

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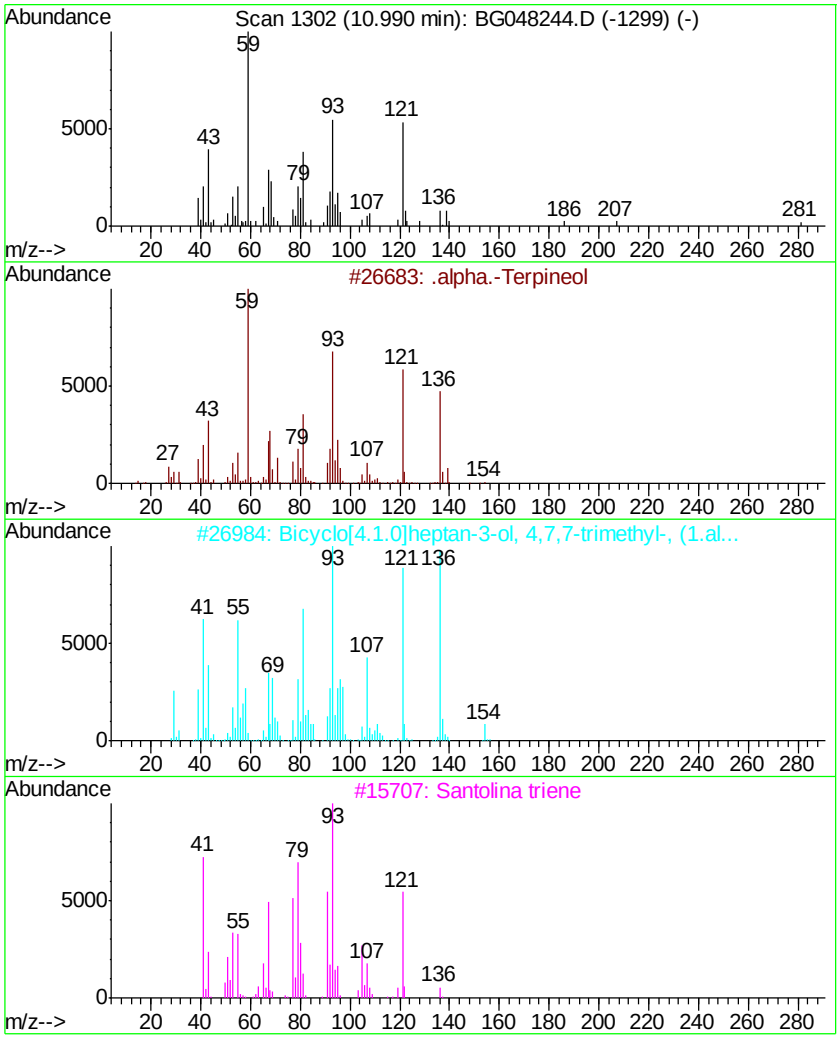
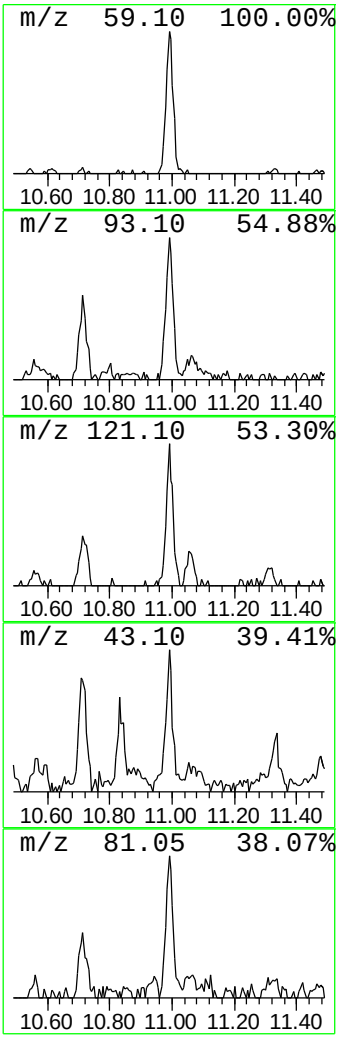
Peak Number 9 .alpha.-Terpineol Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	4.26 ng/ul	86117	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Terpineol	154	C10H18O	000098-55-5	64
2	Bicyclo[4.1.0]heptan-3-ol, 4,7,7...	154	C10H18O	038748-96-8	43
3	Santolina triene	136	C10H16	002153-66-4	38
4	.beta.-Pinene	136	C10H16	000127-91-3	38
5	Camphene	136	C10H16	000079-92-5	38





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Operator : CG/JU
Sample : M1412-21
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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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Quant Title : SVOA CALIBRATION

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

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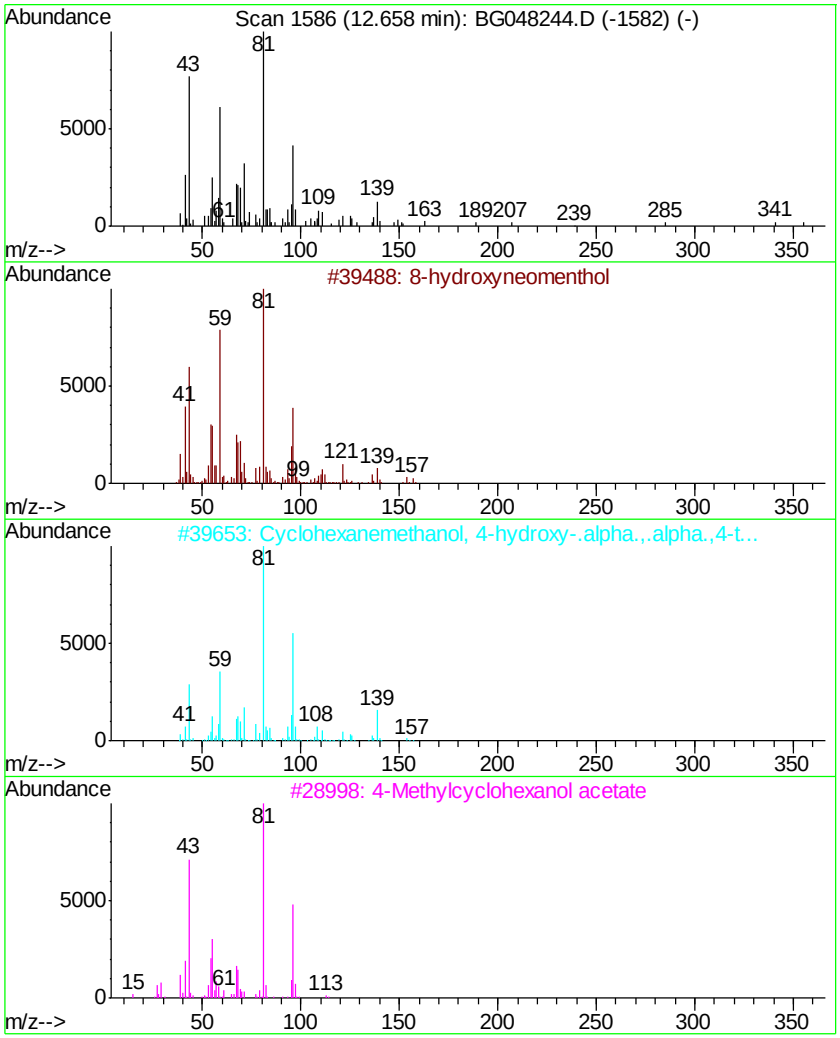
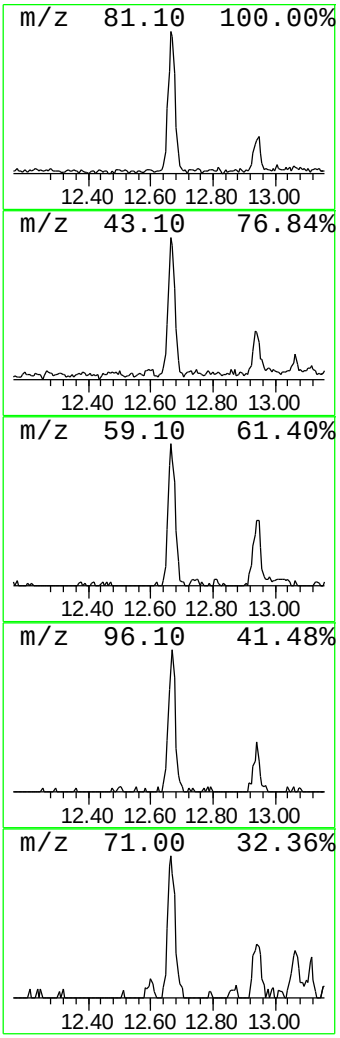
Peak Number 10 8-hydroxyneomenthol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	7.00 ng/ul	141557	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-hydroxyneomenthol	172	C10H20O2	1000374-16-1	64
2	Cyclohexanemethanol, 4-hydroxy-....	172	C10H20O2	000080-53-5	50
3	4-Methylcyclohexanol acetate	156	C9H16O2	022597-23-5	38
4	Formic acid, trans-4-methylcyclo...	142	C8H14O2	1000368-24-5	38
5	Acetic acid, cis-4-methylcyclohe...	156	C9H16O2	1000368-24-8	38





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Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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Quant Title : SVOA CALIBRATION

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

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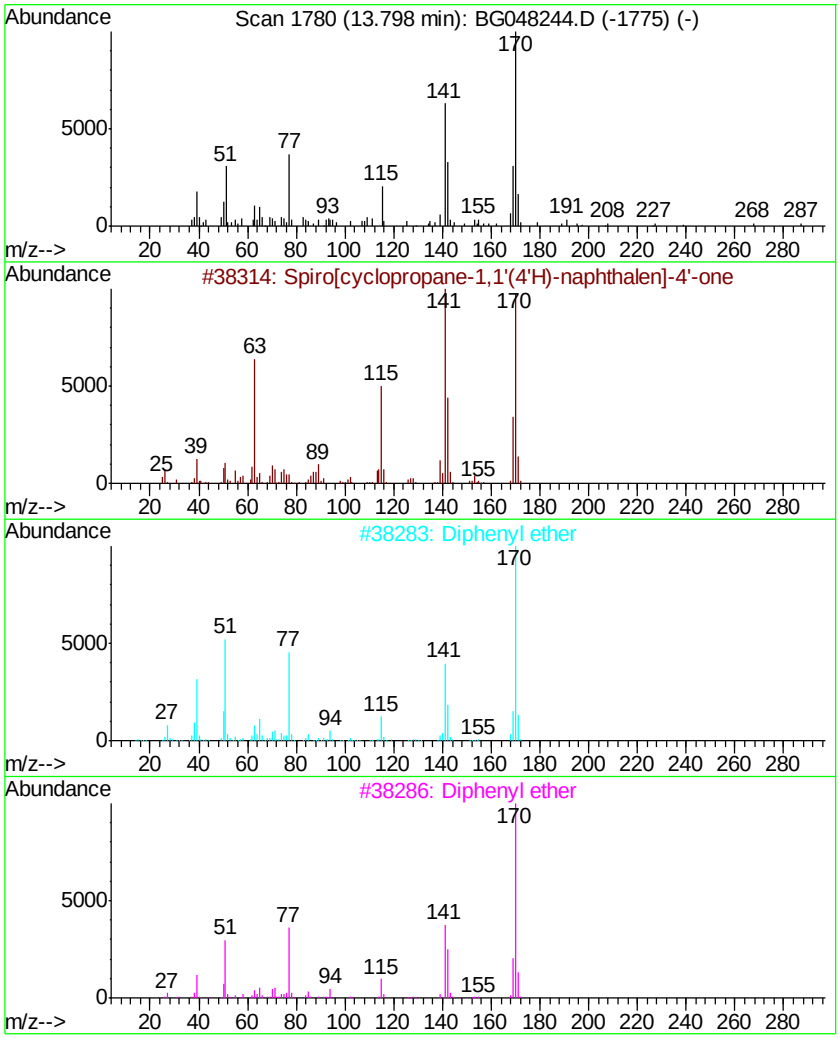
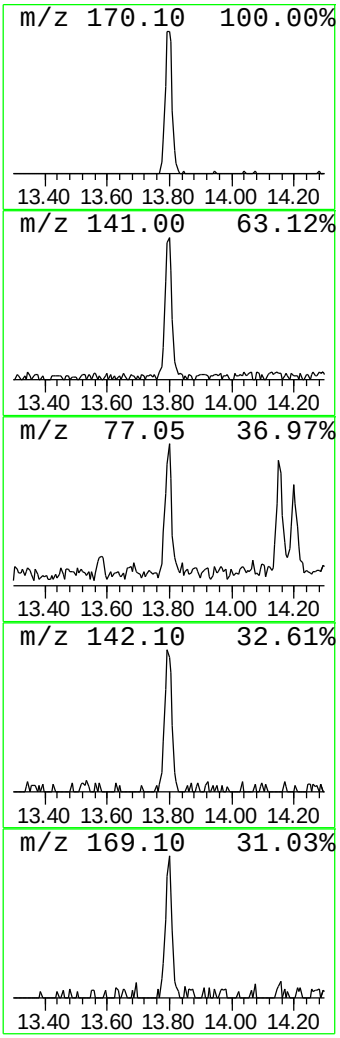
Peak Number 11 Spiro[cyclopropane-1,1'(4'H... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	3.05 ng/ul	88399	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[cyclopropane-1,1'(4'H)-nap...	170	C12H10O	033498-24-7	90
2	Diphenyl ether	170	C12H10O	000101-84-8	80
3	Diphenyl ether	170	C12H10O	000101-84-8	80
4	Diphenyl ether	170	C12H10O	000101-84-8	80
5	1H,3H-Naphtho[1,8-cd]pyran	170	C12H10O	000203-84-9	72





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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Quant Title : SVOA CALIBRATION

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

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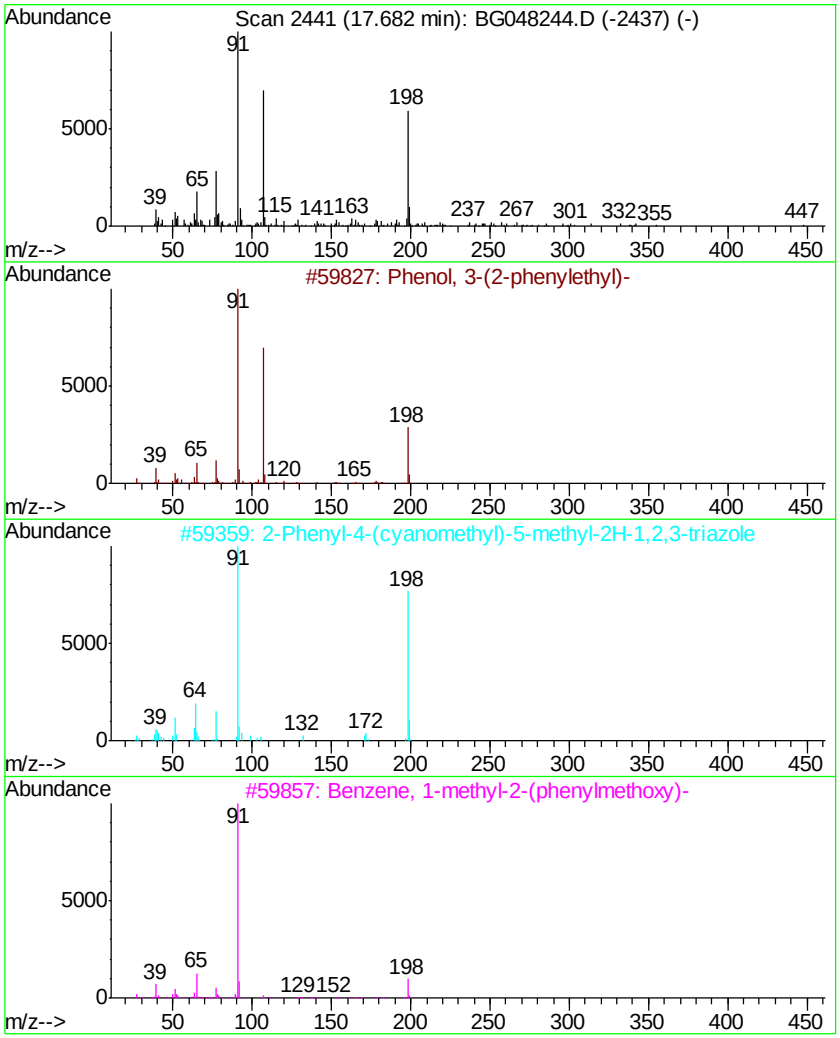
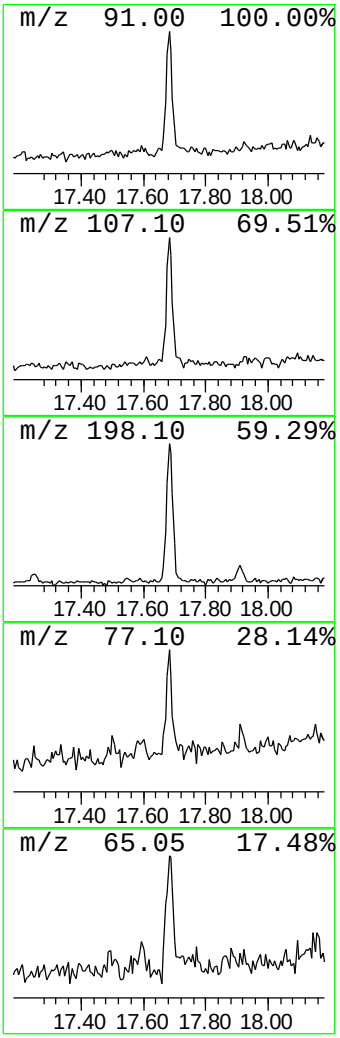
Peak Number 12 Phenol, 3-(2-phenylethyl)- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	4.02 ng/ul	126938	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethyl)-	198	C14H14O	033675-75-1	87
2	2-Phenyl-4-(cyanomethyl)-5-methy...	198	C11H10N4	013322-20-8	46
3	Benzene, 1-methyl-2-(phenylmetho...	198	C14H14O	019578-70-2	43
4	Benzenemethanol, .alpha.-pentyl-	178	C12H18O	004471-05-0	38
5	3,4-Dinitrobenzyl alcohol	198	C7H6N2O5	079544-31-3	38





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Instrument : BNA_G
ClientSampleId : DBGZ8

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Quant Title : SVOA CALIBRATION

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

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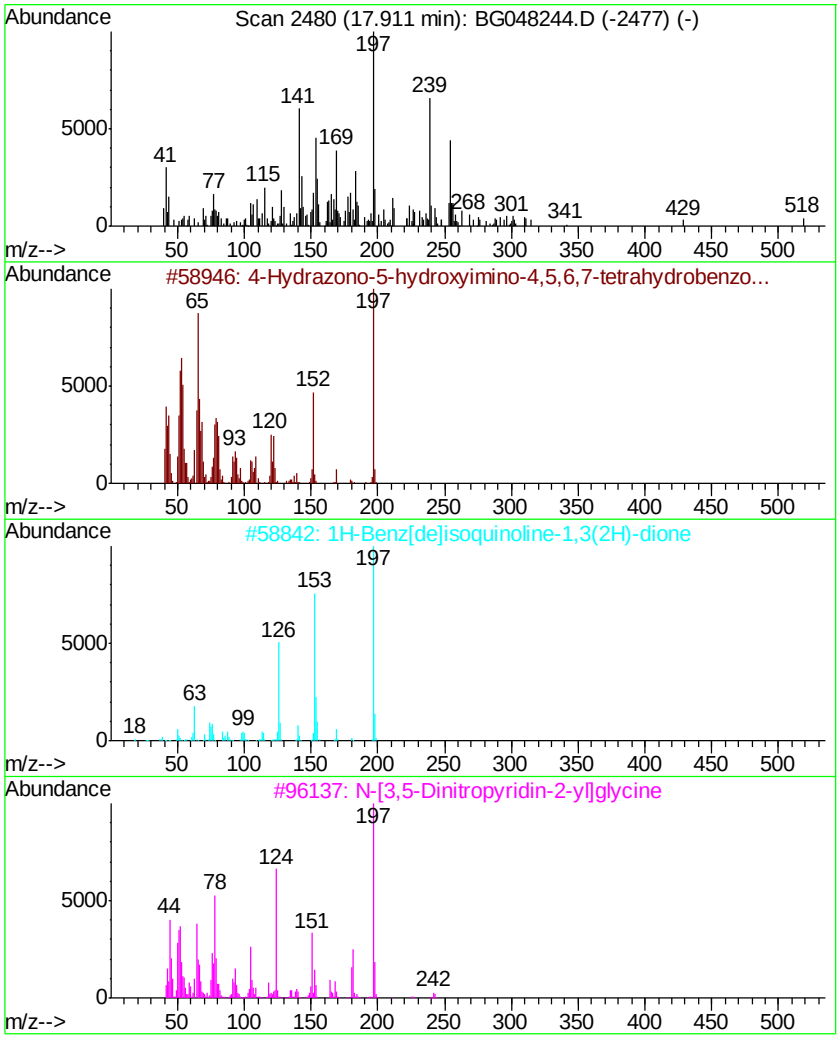
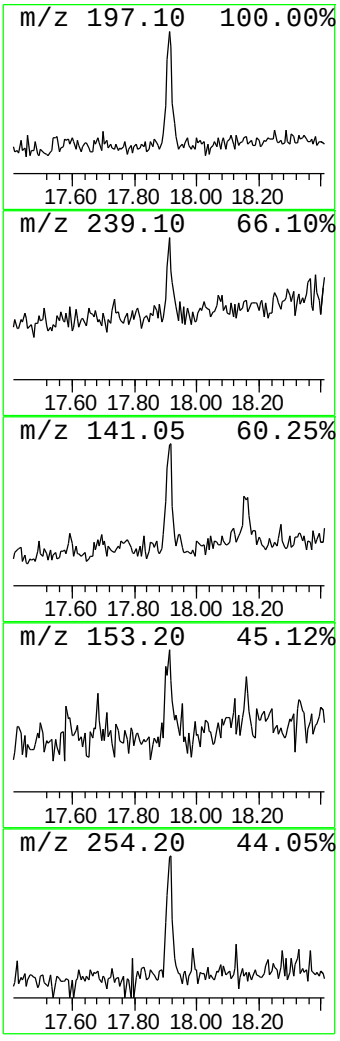
Peak Number 13 4-Hydrazono-5-hydroxyimino-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	2.48 ng/ul	78308	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydrazono-5-hydroxyimino-4,5,6...	197	C6H7N5O3	303194-86-7	56
2	1H-Benz[de]isoquinoline-1,3(2H)-...	197	C12H7NO2	000081-83-4	35
3	N-[3,5-Dinitropyridin-2-yl]glycine	242	C7H6N4O6	003264-08-2	35
4	1H-Benz[de]isoquinoline-1,3(2H)-...	197	C12H7NO2	000081-83-4	30
5	2H-Pyrano[2,3-f]isoquinolin-2-one	197	C12H7NO2	054852-71-0	30





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Misc :
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ClientSampleId : DBGZ8

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Quant Title : SVOA CALIBRATION

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

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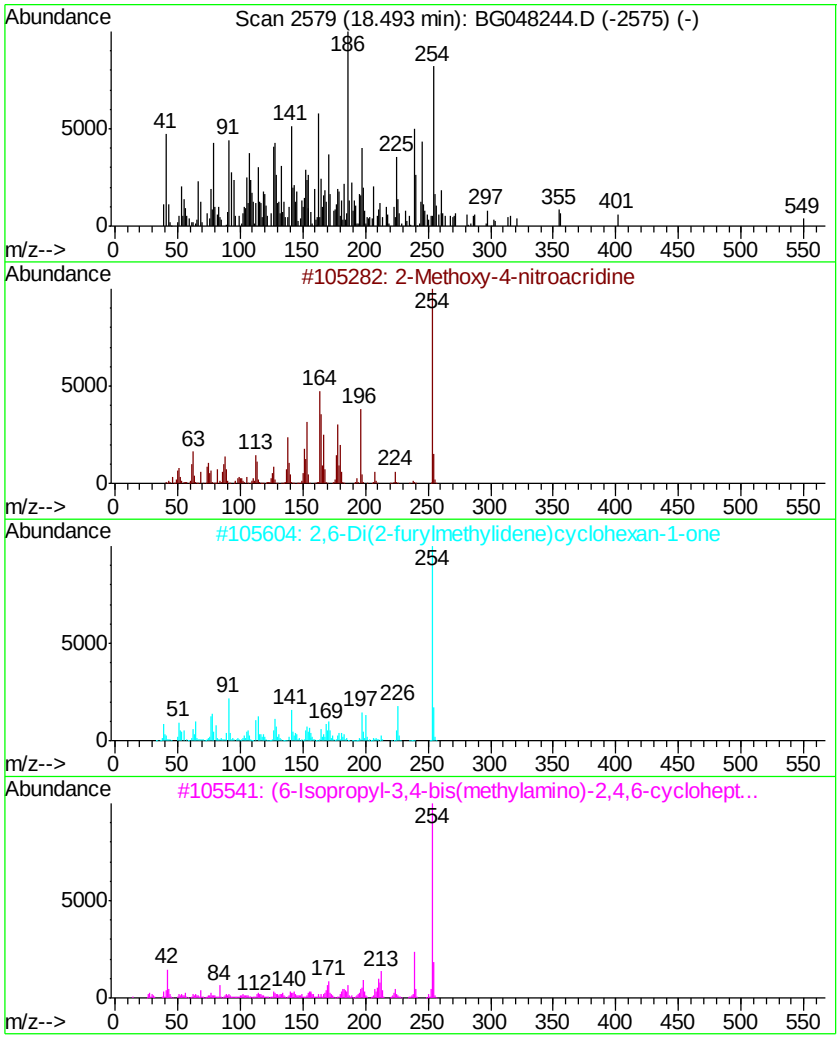
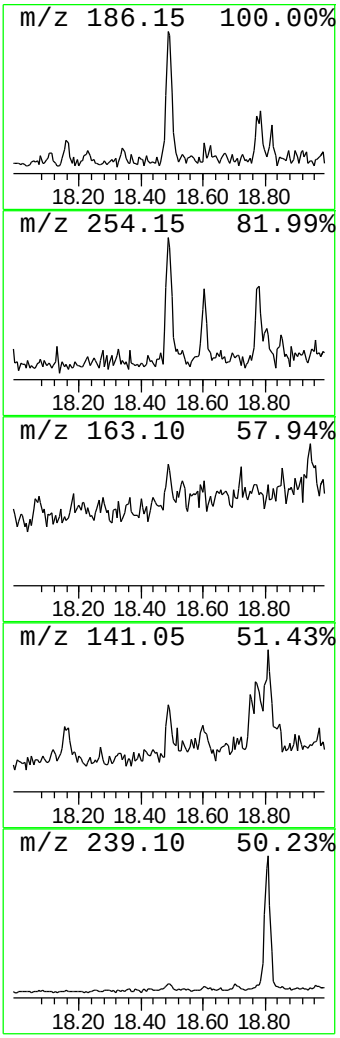
Peak Number 14 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	4.91 ng/ul	155163	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methoxy-4-nitroacridine	254	C14H10N2O3	1000213-18-6	44
2	2,6-Di(2-furylmethylidene)cycloh...	254	C16H14O3	000893-00-5	30
3	(6-Isopropyl-3,4-bis(methylamino...	254	C15H18N4	014203-76-0	25
4	5-(m-Nitrophenylsulfonyl)dihydro...	274	C9H10N2O6S	056221-10-4	25
5	Cyclohept[f]indene, 1,2,3,5,6,7,...	186	C14H18	007140-25-2	25





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Instrument : BNA_G
ClientSampleId : DBGZ8

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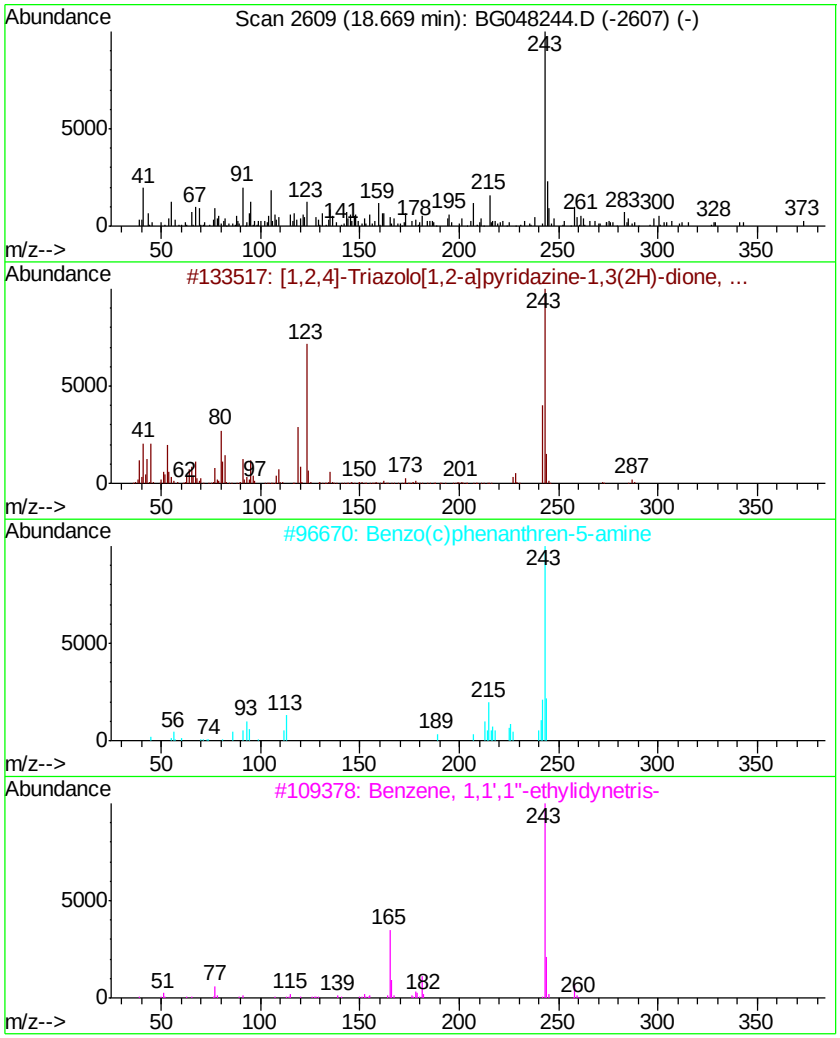
Quant Title : SVOA CALIBRATION

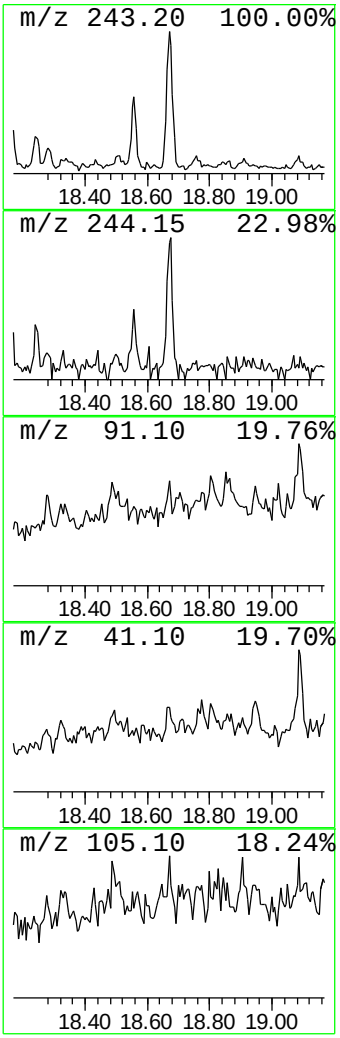
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 [1,2,4]-Triazolo[1,2-a]pyri... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	2.12 ng/ul	67116	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,2,4]-Triazolo[1,2-a]pyridazin...	287	C15H17N3O3	114248-37-2	53
2	Benzo(c)phenanthren-5-amine	243	C18H13N	004176-50-5	52
3	Benzene, 1,1',1''-ethylidynetris-	258	C20H18	005271-39-6	50
4	6-Chrysenamine	243	C18H13N	002642-98-0	47
5	Propionic acid, 2-(4-methyl-1-ox...	316	C16H16N2O3S	1000315-94-5	47





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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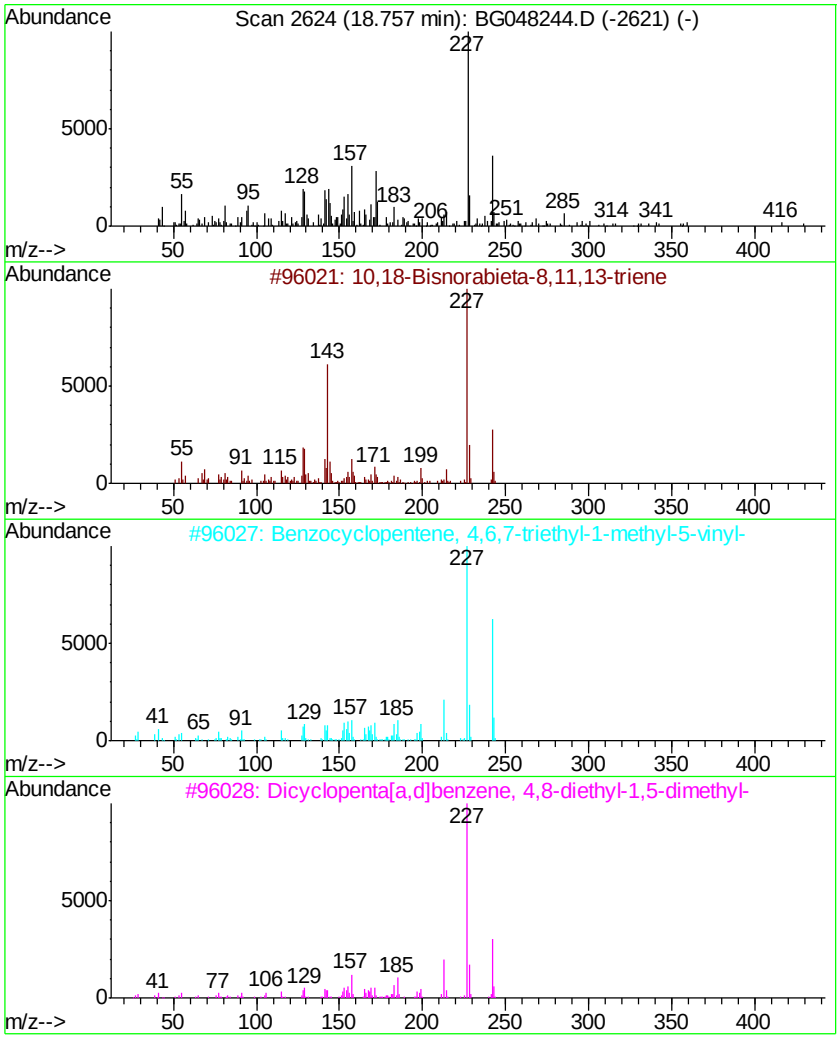
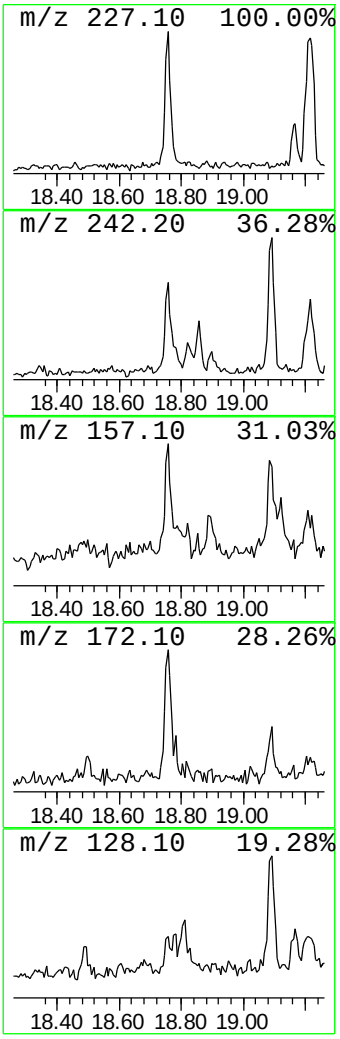
Peak Number 16 10,18-Bisnorabieta-8,11,13-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	2.84 ng/ul	89737	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	68
2	Benzocyclopentene, 4,6,7-triethy...	242	C18H26	1000156-41-5	60
3	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	52
4	Sulfur diimide, bis(4-methylphen...	242	C14H14N2S	003839-88-1	49
5	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	46





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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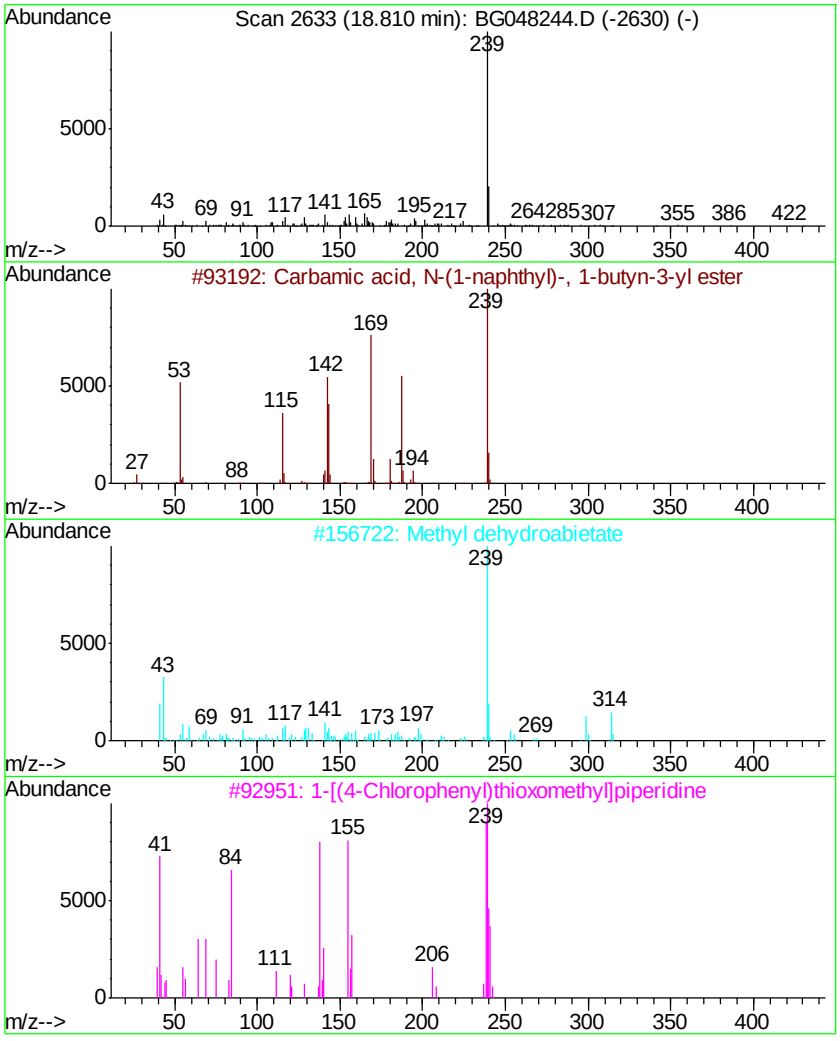
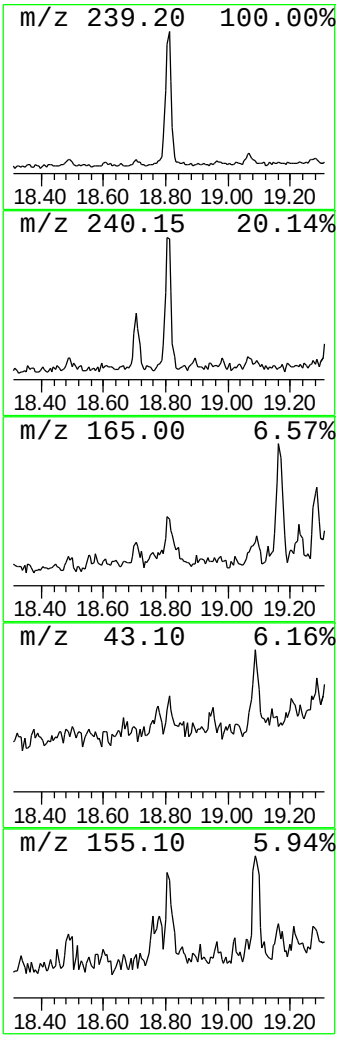
Peak Number 17 Carbamic acid, N-(1-naphthy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	7.54 ng/ul	238333	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbamic acid, N-(1-naphthyl)-, ...	239	C15H13NO2	1000156-94-4	72
2	Methyl dehydroabietate	314	C21H30O2	001235-74-1	64
3	1-[(4-Chlorophenyl)thioxomethyl]...	239	C12H14ClNS	003335-29-3	64
4	Indole, 3-imidazolo[2,1-b]thiazo...	239	C13H9N3S	292855-05-1	64
5	Methyl dehydroabietate	314	C21H30O2	001235-74-1	64





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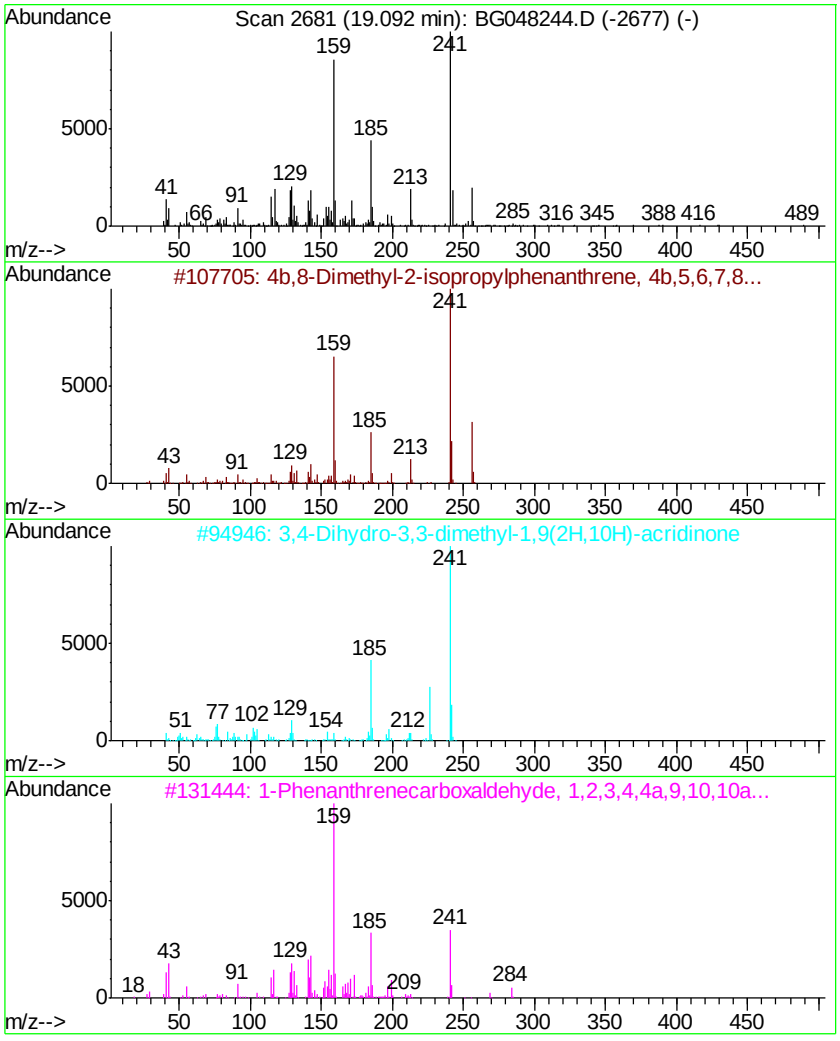
Quant Title : SVOA CALIBRATION

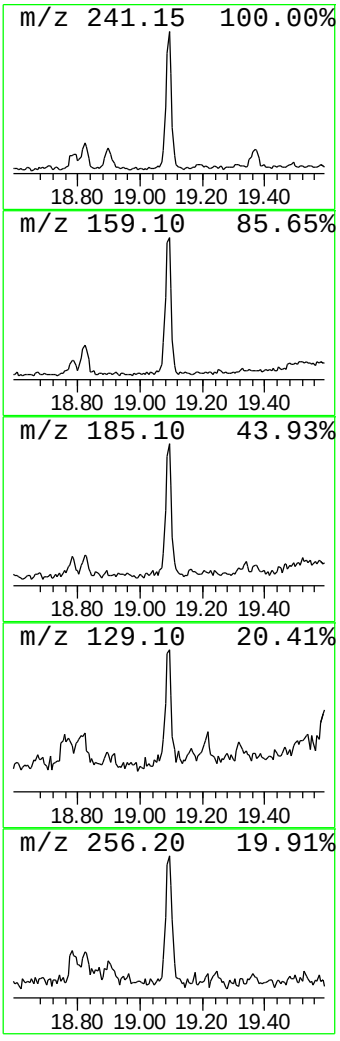
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 4b,8-Dimethyl-2-isopropylph... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	12.64 ng/ul	399537	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	90
2	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	38
3	1-Phenanthrenecarboxaldehyde, 1,...	284	C20H28O	024035-50-5	38
4	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	25
5	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	25





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Data File : BG048244.D
Acq On : 20 Feb 2021 20:05
Operator : CG/JU
Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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Quant Title : SVOA CALIBRATION

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

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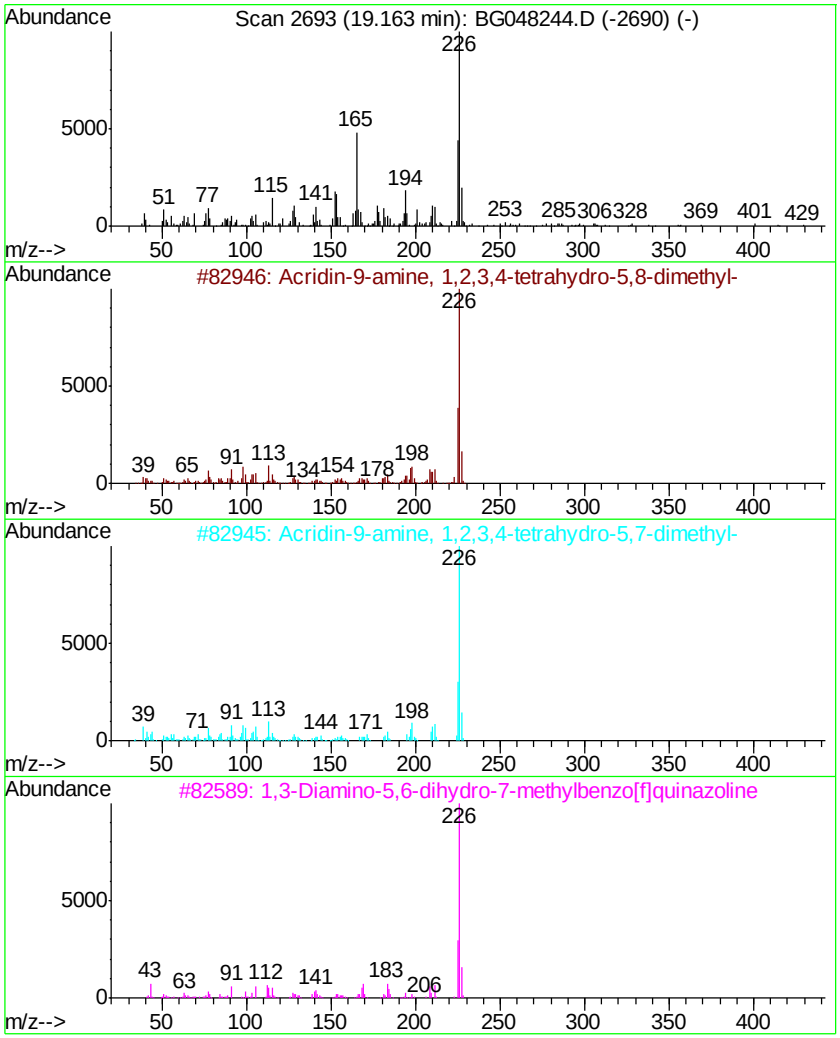
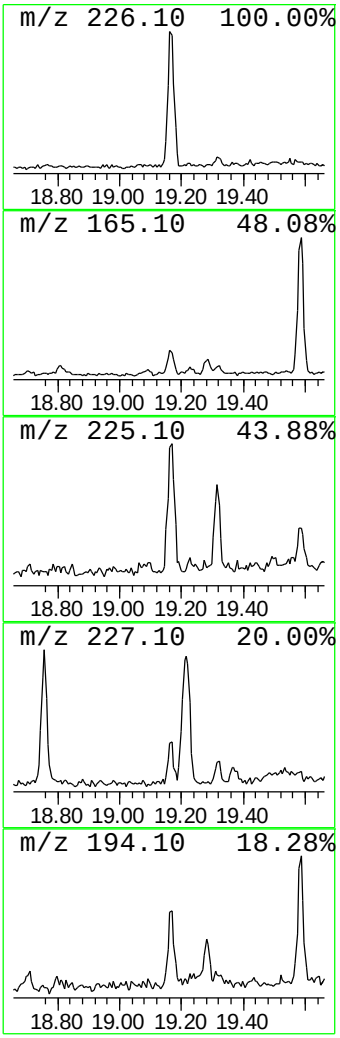
Peak Number 19 Acridin-9-amine, 1,2,3,4-te... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	5.35 ng/ul	169065	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	297758-19-1	86
2	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	58
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	52
4	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	52
5	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	47





Library Search Compound Report

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Operator : CG/JU
Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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Quant Title : SVOA CALIBRATION

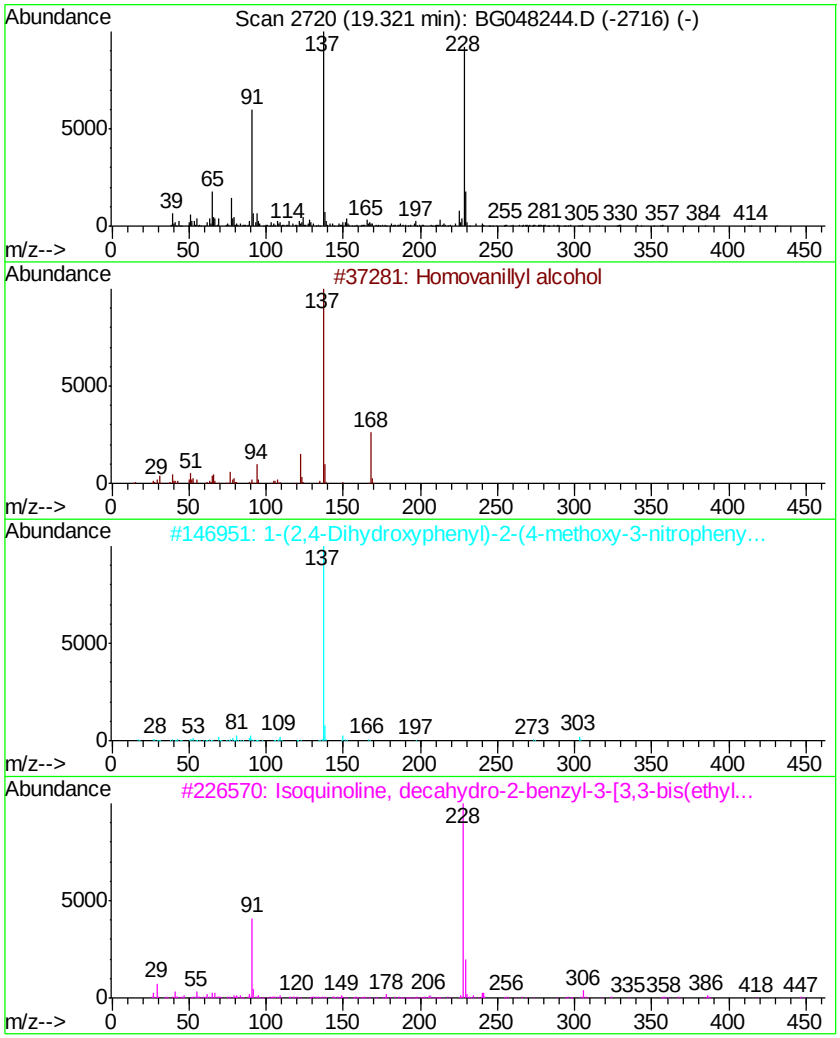
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

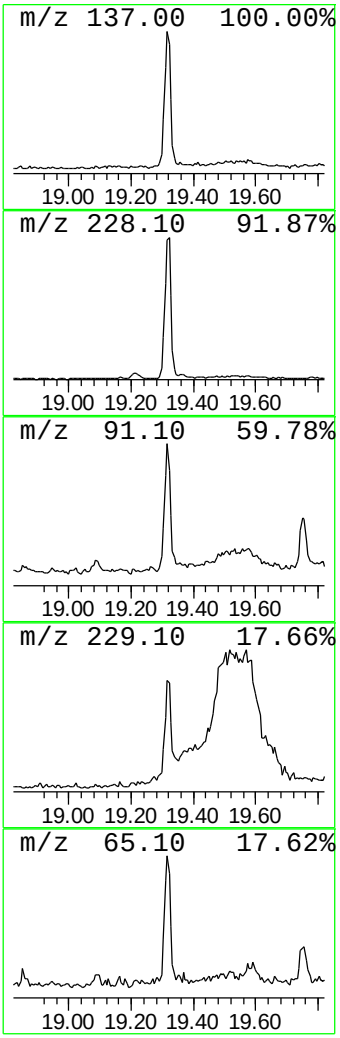
****

Peak Number 20 unknown-03 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	13.02 ng/ul	411606	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Homovanillyl alcohol	168	C9H12O3	002380-78-1	35
2	1-(2,4-Dihydroxyphenyl)-2-(4-met...	303	C15H13NO6	1000241-49-7	35
3	Isoquinoline, decahydro-2-benzyl...	447	C25H37NO2S2	1000195-94-9	35
4	Triphenylene	228	C18H12	000217-59-4	35
5	Triphenylene	228	C18H12	000217-59-4	35





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Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

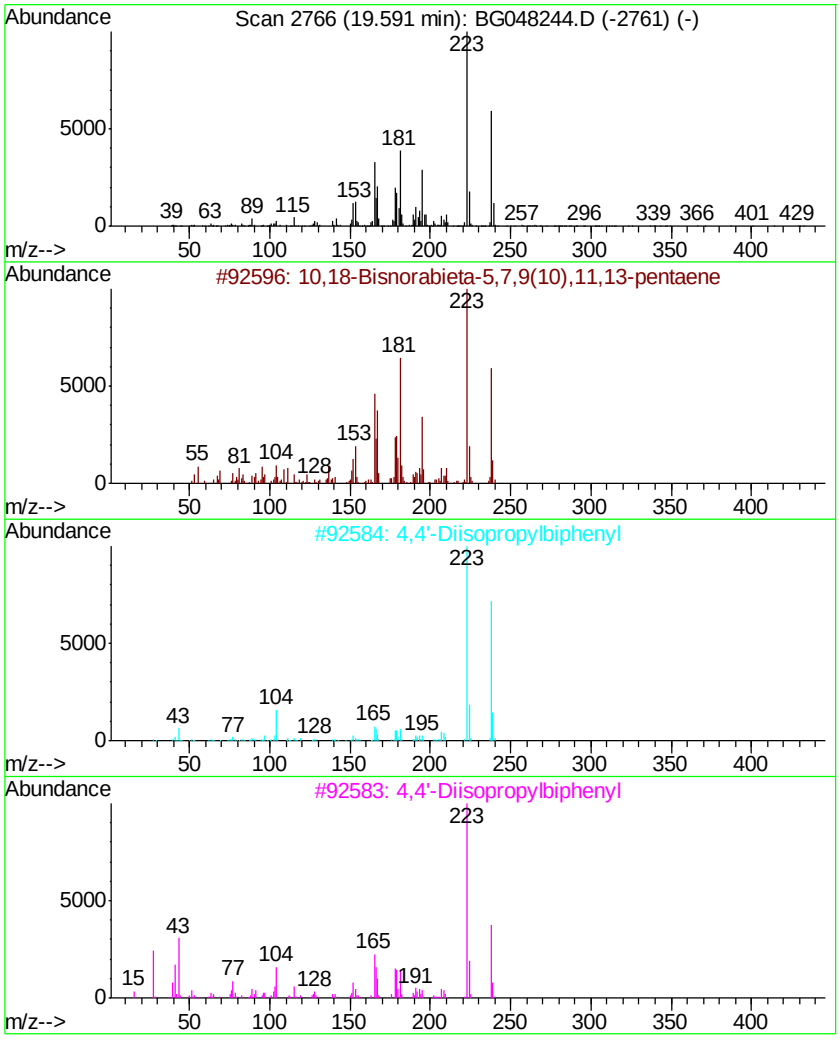
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION

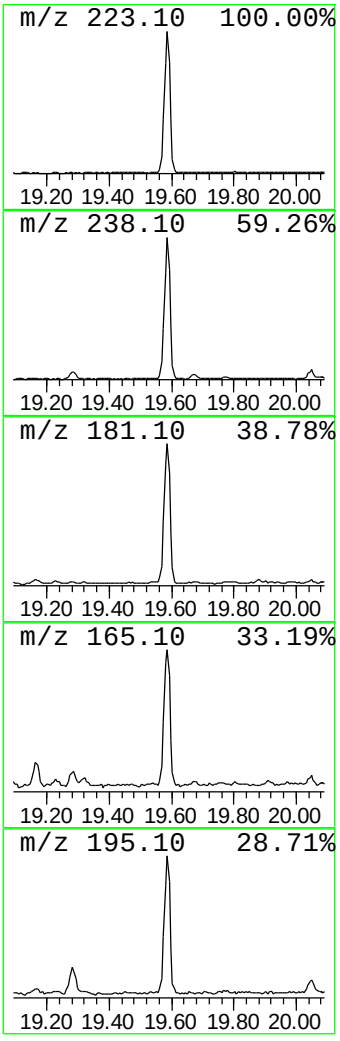
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	65.52 ng/ul	2071090	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	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	60
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	58
4	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	49
5	2-Propenoic acid, 3-(3,4,5-trime...	238	C12H14O5	000090-50-6	49





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Operator : CG/JU
Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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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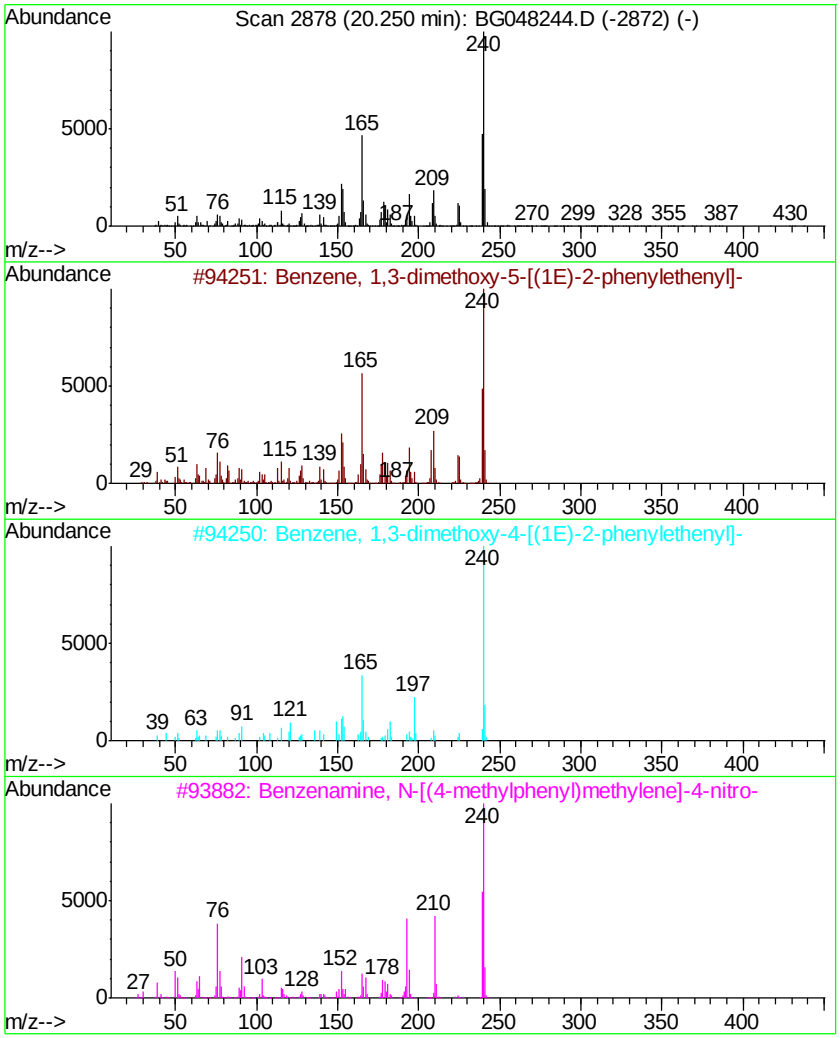
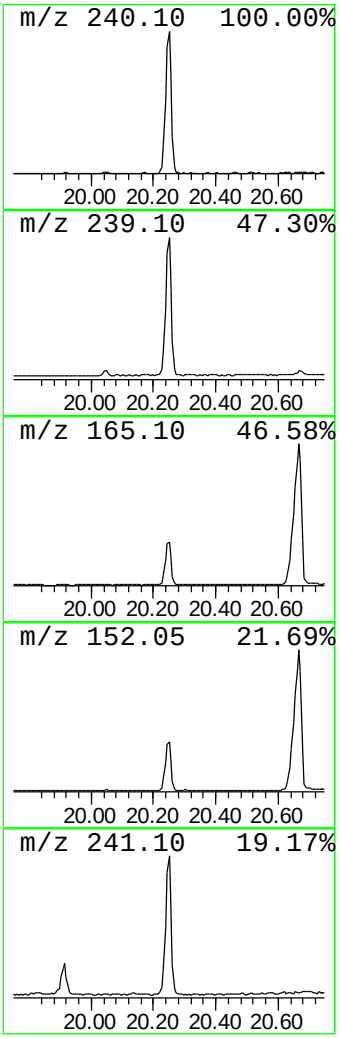
Peak Number 22 Benzene, 1,3-dimethoxy-5-[(... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	86.54 ng/ul	3707510	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethoxy-5-[(1E)-2...	240	C16H16O2	021956-56-9	99
2	Benzene, 1,3-dimethoxy-4-[(1E)-2...	240	C16H16O2	1000368-46-0	58
3	Benzenamine, N-[(4-methylphenyl)...	240	C14H12N2O2	020192-50-1	53
4	9H-Carbazole, 9-ethyl-3-nitro-	240	C14H12N2O2	000086-20-4	50
5	[1,2,4]Triazolo[1,5-b]pyridazin-...	240	C12H12N6	1000350-58-0	47





Library Search Compound Report

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Operator : CG/JU
Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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Quant Title : SVOA CALIBRATION

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

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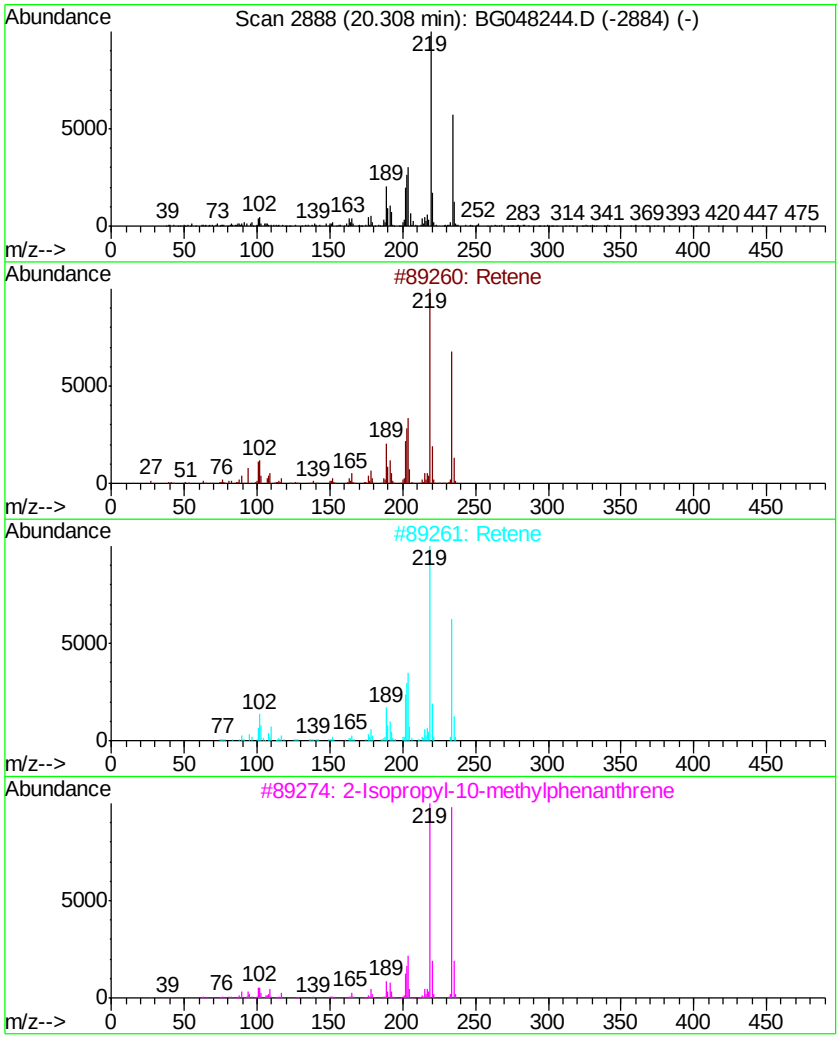
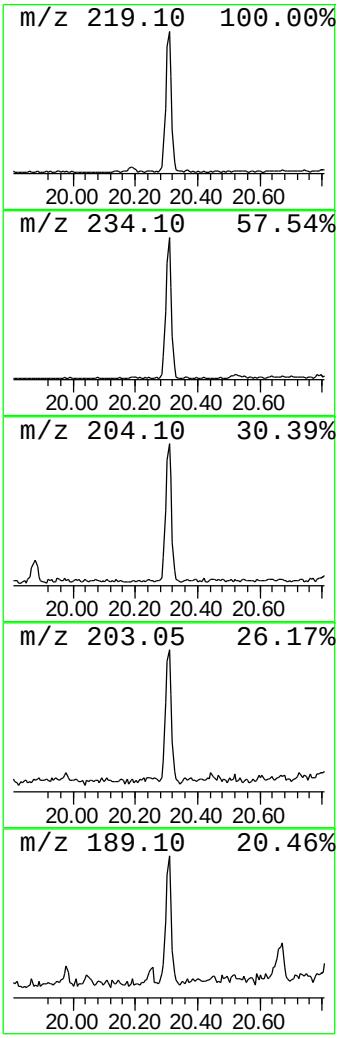
Peak Number 23 Retene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	9.74 ng/ul	417477	Chrysene-d12	21.78

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	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
4	Retene	234	C18H18	000483-65-8	87
5	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	68





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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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Quant Title : SVOA CALIBRATION

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

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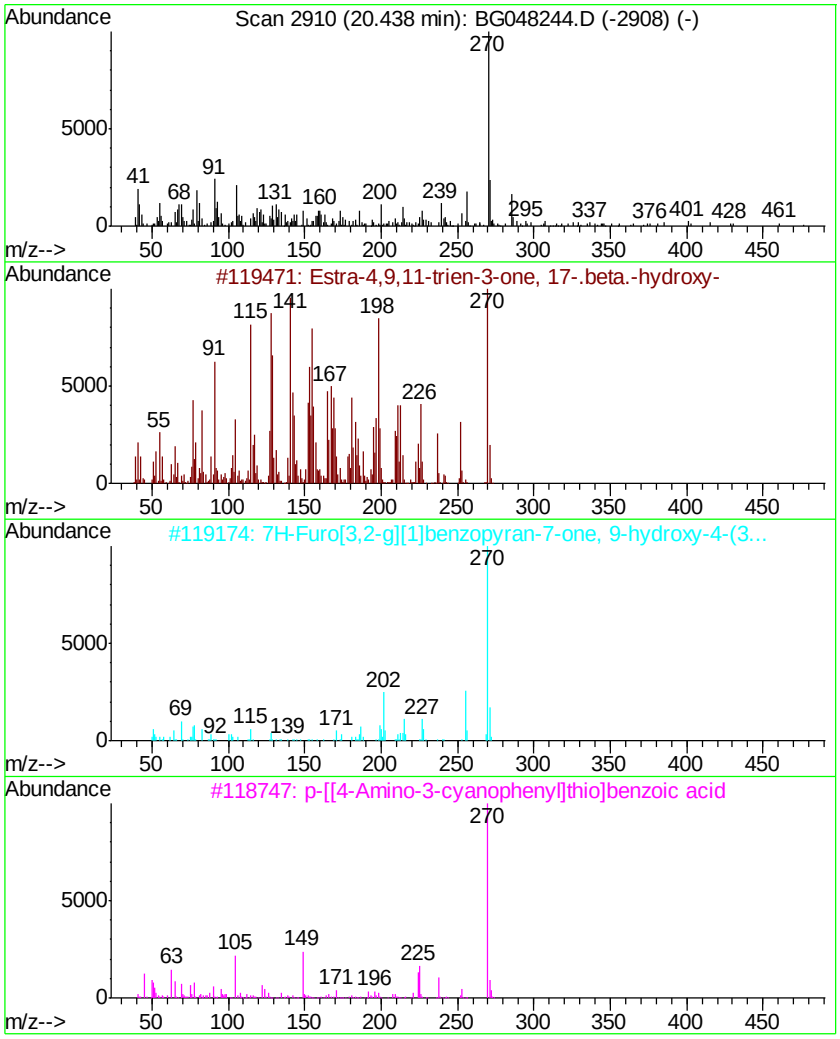
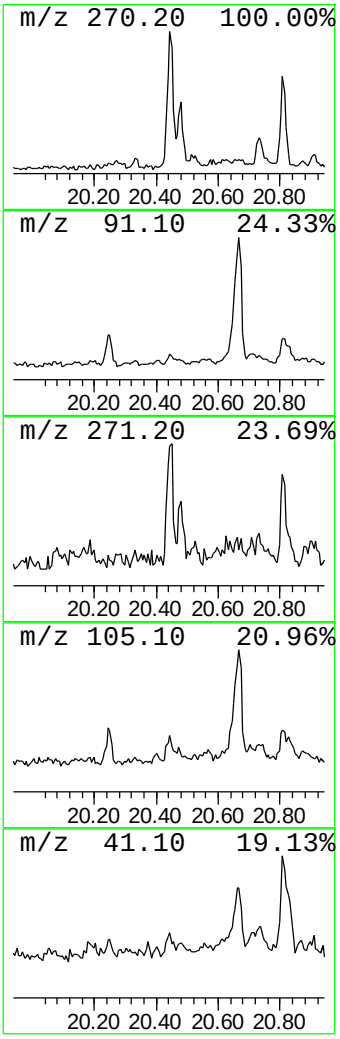
Peak Number 24 Estra-4,9,11-trien-3-one, 1... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	5.24 ng/ul	224648	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Estra-4,9,11-trien-3-one, 17-.be...	270	C18H22O2	010161-33-8	96
2	7H-Furo[3,2-g][1]benzopyran-7-on...	270	C16H14O4	000642-05-7	59
3	p-[[4-Amino-3-cyanophenyl]thio]b...	270	C14H10N2O2S	074761-54-9	58
4	Theophylline, 7-benzyl-	270	C14H14N4O2	001807-85-8	53
5	4-(6-Isopropyl-4-methyl-1-naphth...	270	C18H22O2	094265-06-2	53





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Instrument : BNA_G
ClientSampleId : DBGZ8

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Quant Title : SVOA CALIBRATION

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

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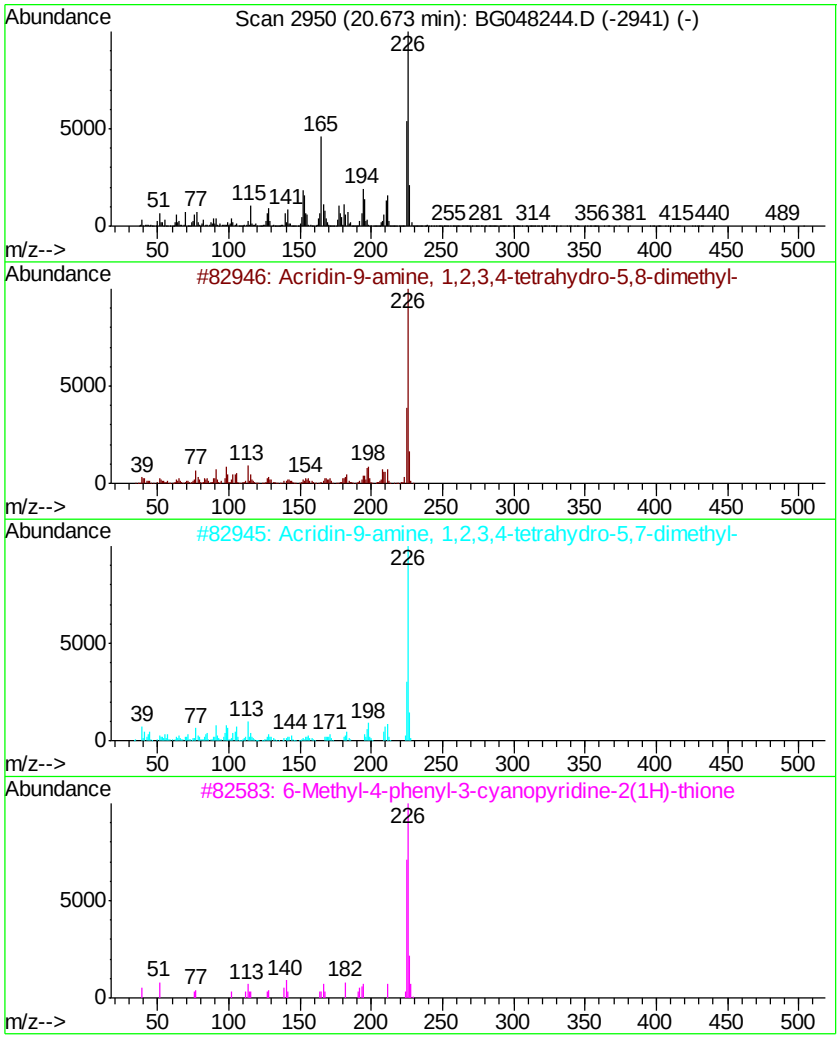
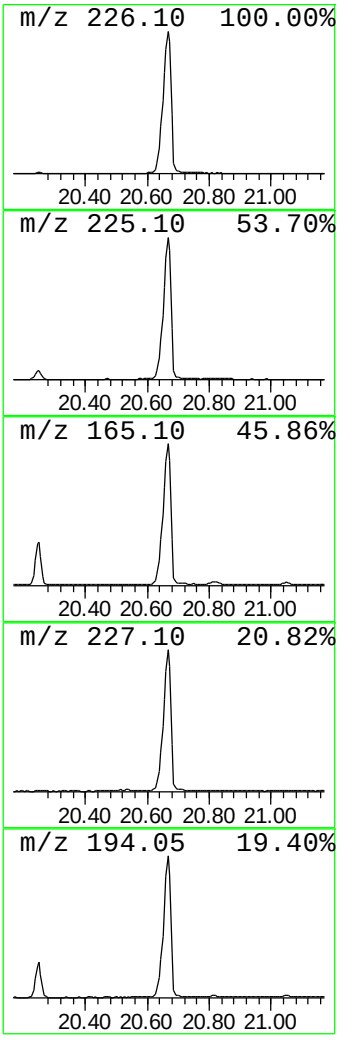
Peak Number 25 unknown-04 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.67	395.82 ng/ul	16958200	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	297758-19-1	49
2	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	49
3	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	43
4	Benzenamine, 4,4'-methylenebis[2...	226	C15H18N2	000838-88-0	43
5	9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	43





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Instrument : BNA_G
ClientSampleId : DBGZ8

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Quant Title : SVOA CALIBRATION

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

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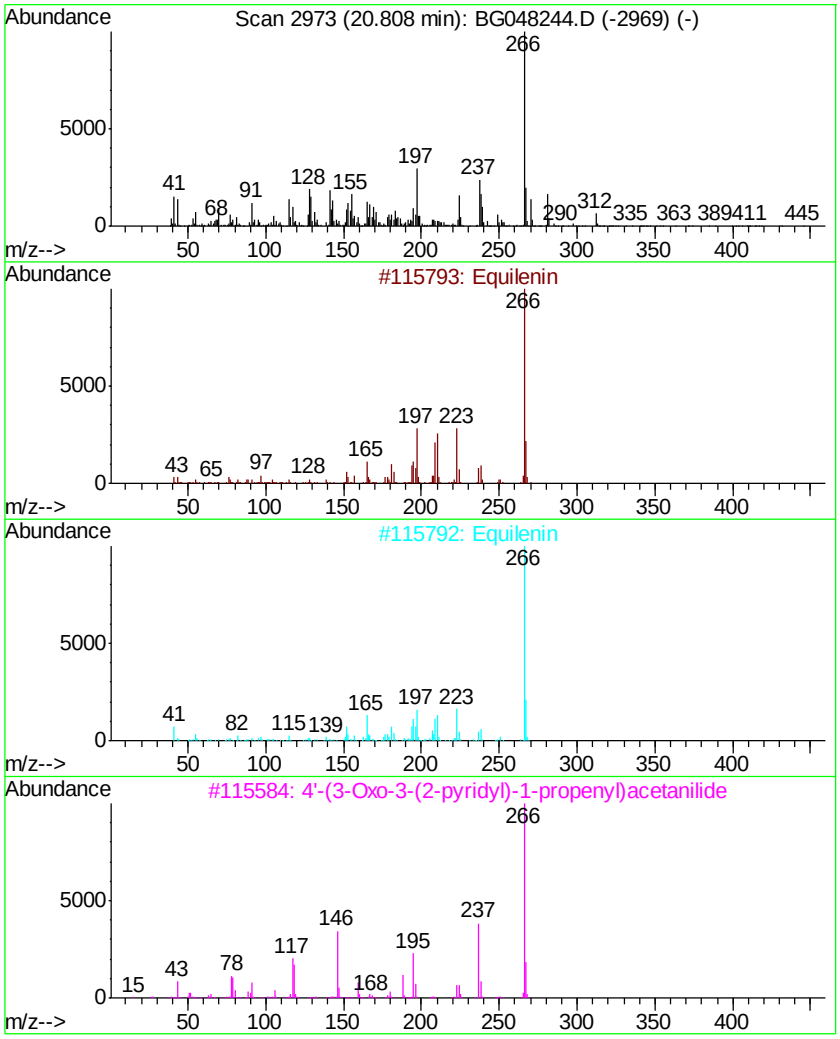
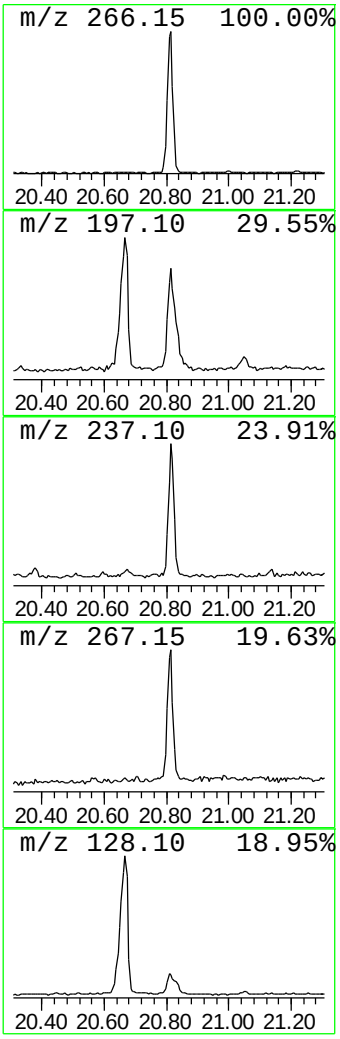
Peak Number 26 Equilenin Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.81	51.03 ng/ul	2186250	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Equilenin	266	C18H18O2	000517-09-9	64
2	Equilenin	266	C18H18O2	000517-09-9	60
3	4'-(3-Oxo-3-(2-pyridyl)-1-propen...	266	C16H14N2O2	013309-10-9	52
4	Perylene, 1,2,3,3a,4,5,6,7,8,9,9...	266	C20H26	007594-86-7	52
5	Benzo[lmn][3,8]phenanthroline-1,...	266	C14H6N2O4	005690-24-4	49





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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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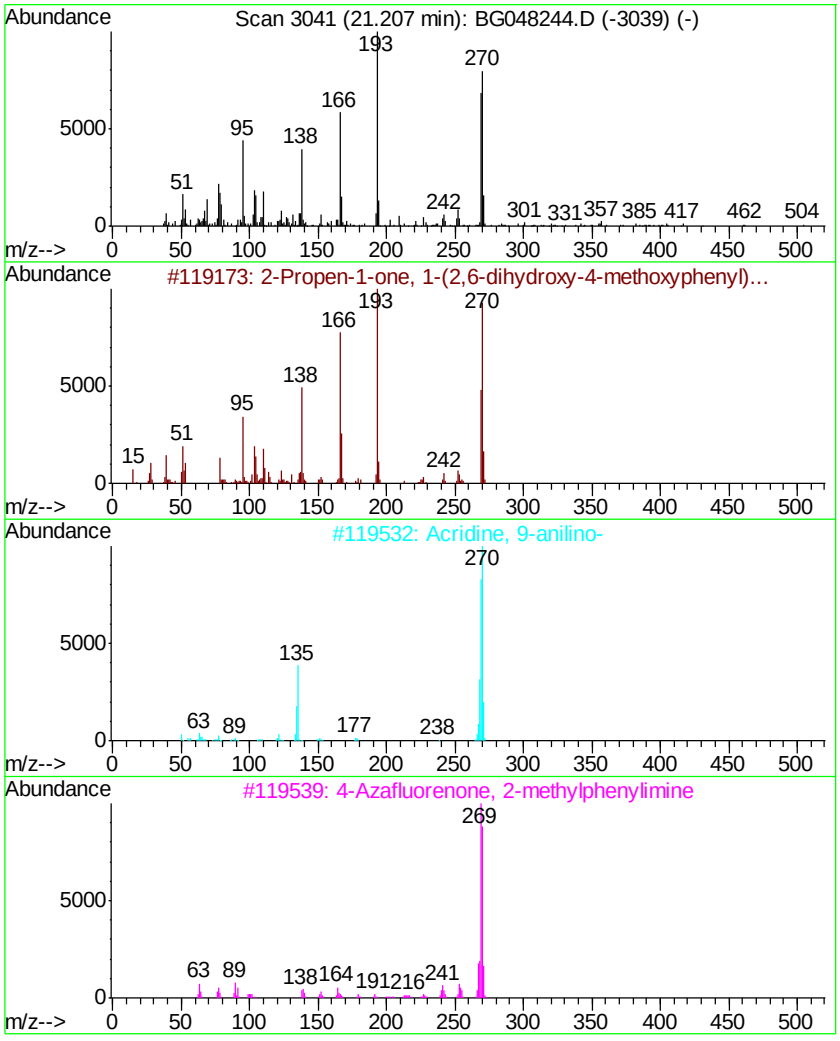
Quant Title : SVOA CALIBRATION

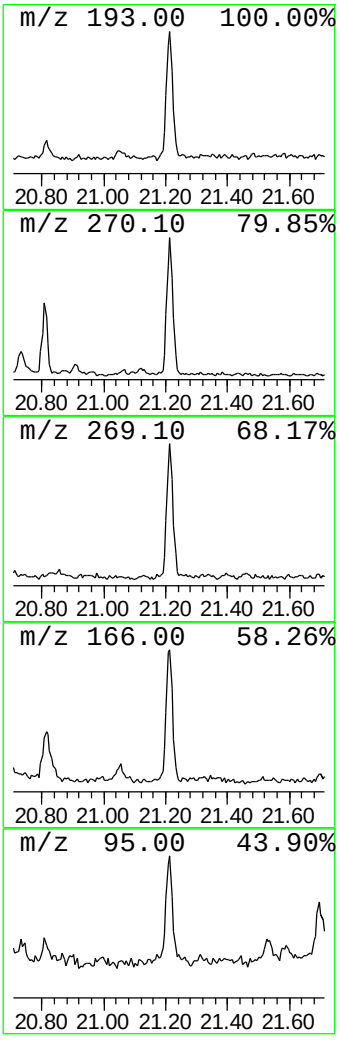
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 2-Propen-1-one, 1-(2,6-dihy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.21	9.11 ng/ul	390269	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propen-1-one, 1-(2,6-dihydroxy...	270	C16H14O4	018956-15-5	81
2	Acridine, 9-anilino-	270	C19H14N2	003340-22-5	38
3	4-Azafluorenone, 2-methylphenyli...	270	C19H14N2	1000216-54-4	30
4	9-Anthryl phenyl ether	270	C20H14O	074067-56-4	25
5	Benzeneethanamine, N-methyl-3-ni...	284	C17H20N2O2	052059-40-2	11





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Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId : DBGZ8

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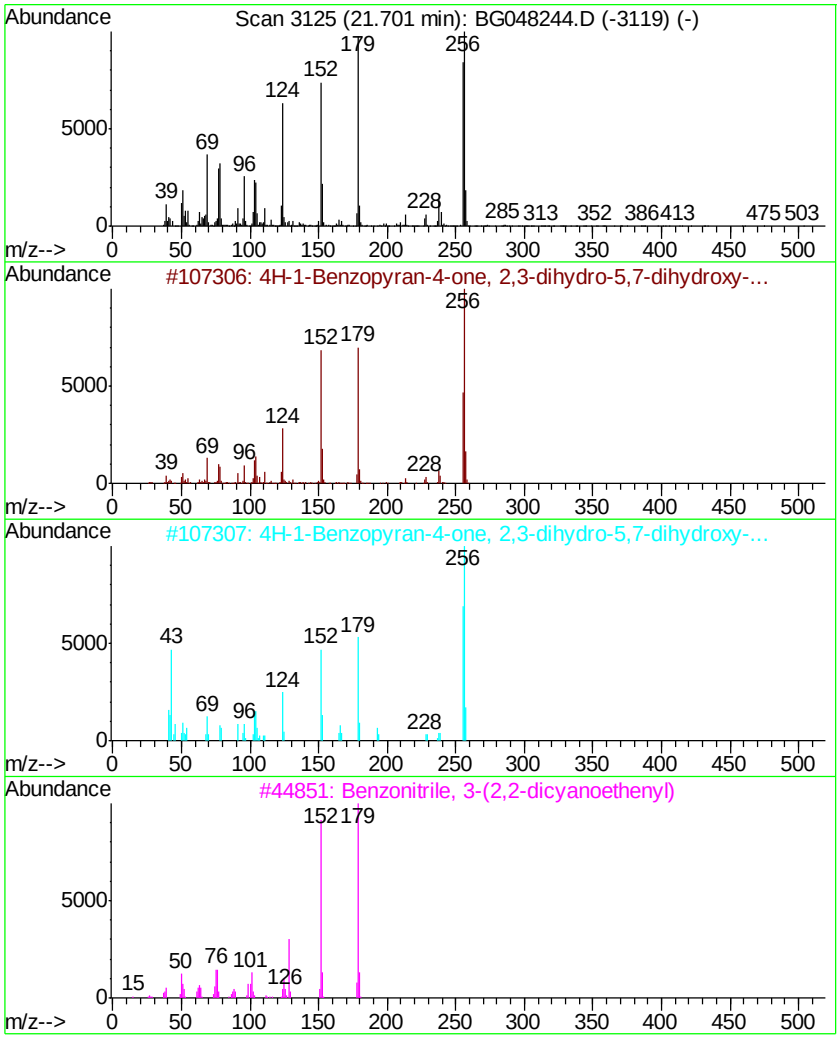
Quant Title : SVOA CALIBRATION

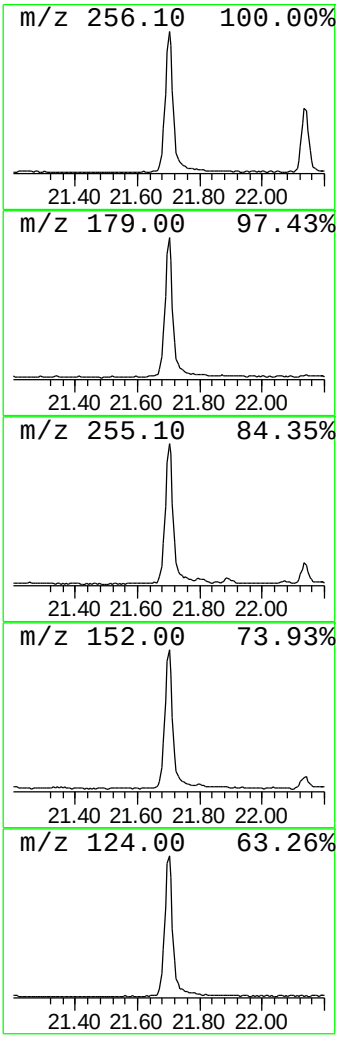
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 4H-1-Benzopyran-4-one, 2,3-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	61.28 ng/ul	2625540	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-1-Benzopyran-4-one, 2,3-dihyd...	256	C15H12O4	000480-39-7	94
2	4H-1-Benzopyran-4-one, 2,3-dihyd...	256	C15H12O4	000480-39-7	87
3	Benzonitrile, 3-(2,2-dicyanoethe...	179	C11H5N3	060595-33-7	22
4	Benzonitrile, 4-[2-(4-quinolinyl...	256	C18H12N2	040317-06-4	22
5	2-Methylaminomethyl-5-nitrobenzo...	256	C14H12N2O3	004958-56-9	12





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Quant Title : SVOA CALIBRATION

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

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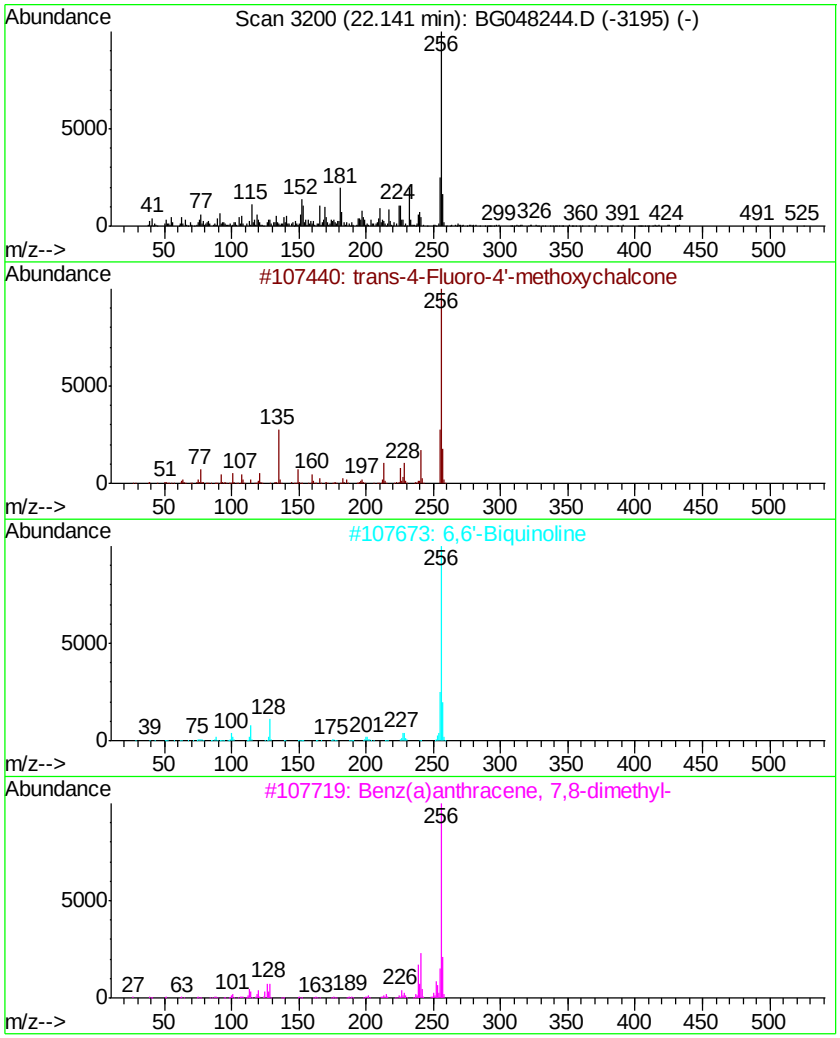
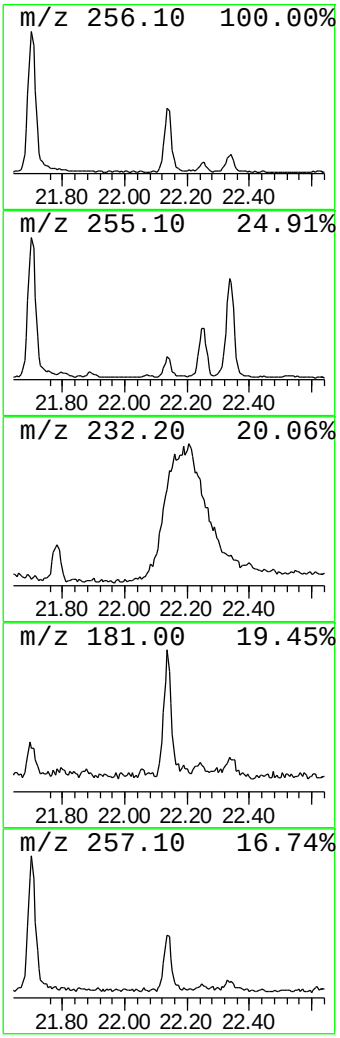
Peak Number 29 trans-4-Fluoro-4'-methoxych... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.14	18.45 ng/ul	790408	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-4-Fluoro-4'-methoxychalcone	256	C16H13FO2	102692-37-5	53
2	6,6'-Biquinoline	256	C18H12N2	000612-79-3	49
3	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	47
4	4-Hydroxy-1-methyl-6-phenyl-3-(p...	256	C15H16N2O2	1000239-66-9	47
5	4-t-Butyl-2-[4-nitrophenyl]phenol	271	C16H17NO3	1000214-53-0	47





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Data File : BG048244.D
Acq On : 20 Feb 2021 20:05
Operator : CG/JU
Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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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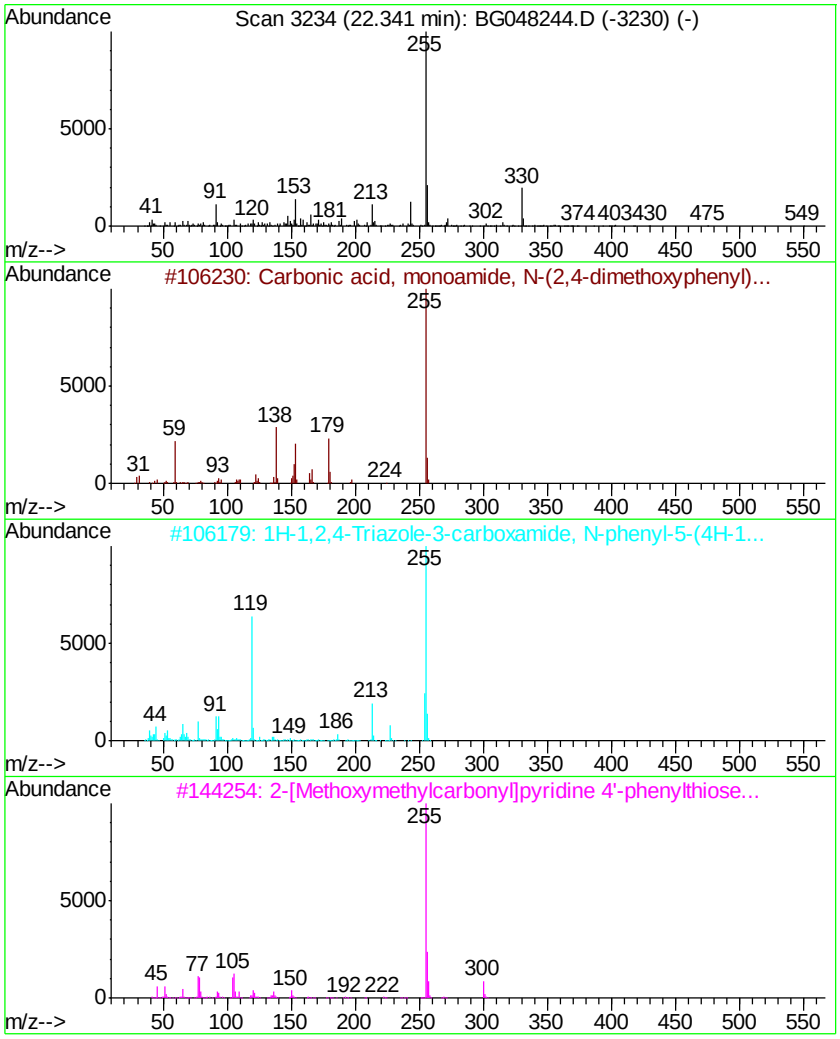
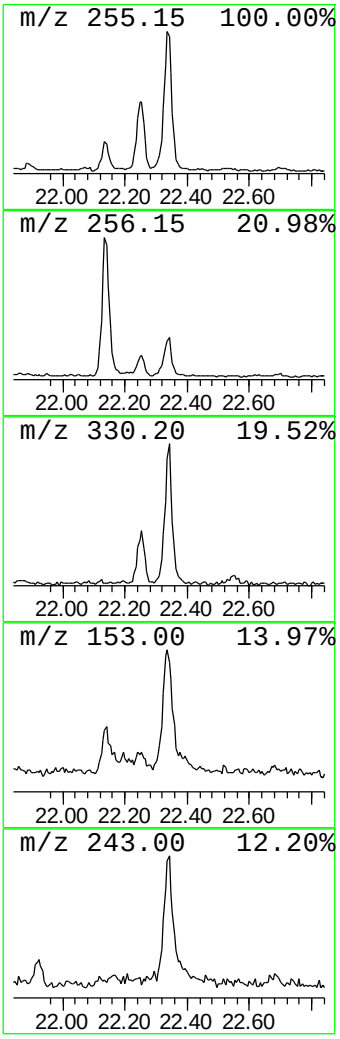
Peak Number 30 unknown-05 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.34	24.04 ng/ul	1029910	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, monoamide, N-(2,4...	255	C12H17NO5	1000340-01-9	47
2	1H-1,2,4-Triazole-3-carboxamide,...	255	C11H9N7O	1000338-08-5	40
3	2-[Methoxymethylcarbonyl]pyridin...	300	C15H16N4OS	143359-14-2	38
4	Styrene, 2-nitro-3'-[4-methylphe...	255	C15H13NO3	1000126-04-1	38
5	Benzeneacetic acid, .alpha.-phen...	409	C24H31NO3Si	069569-91-1	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\
Data File : BG048244.D
Acq On : 20 Feb 2021 20:05
Operator : CG/JU
Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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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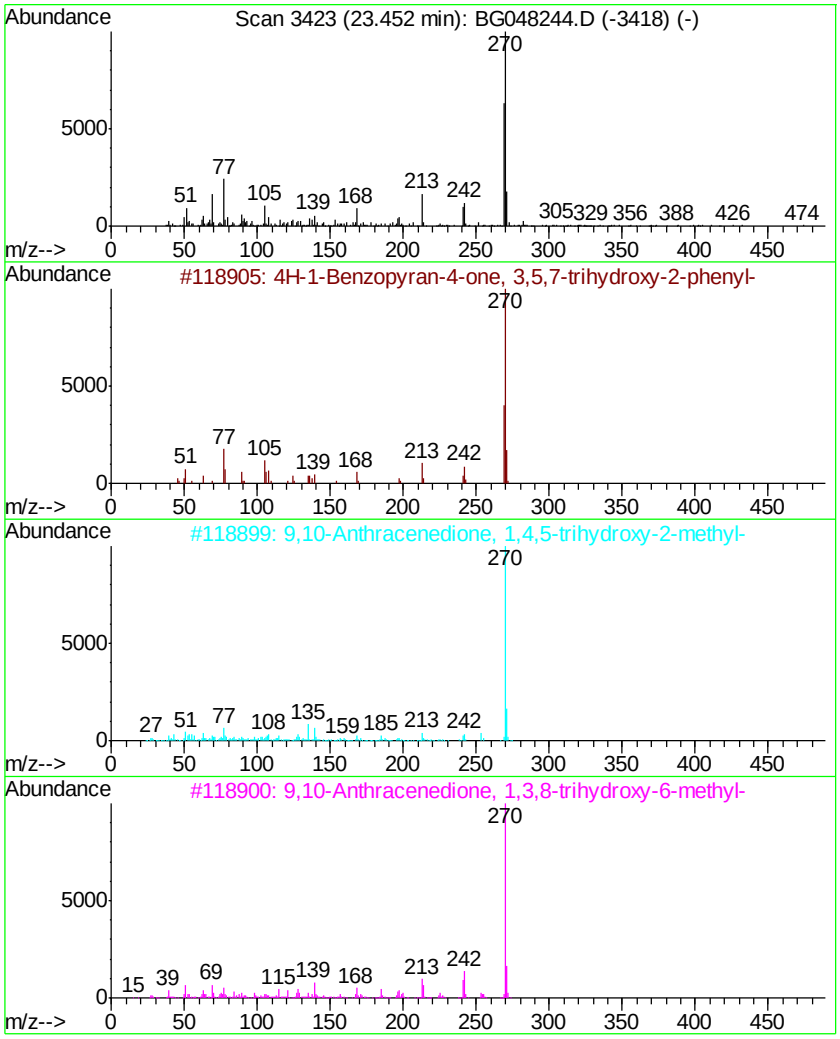
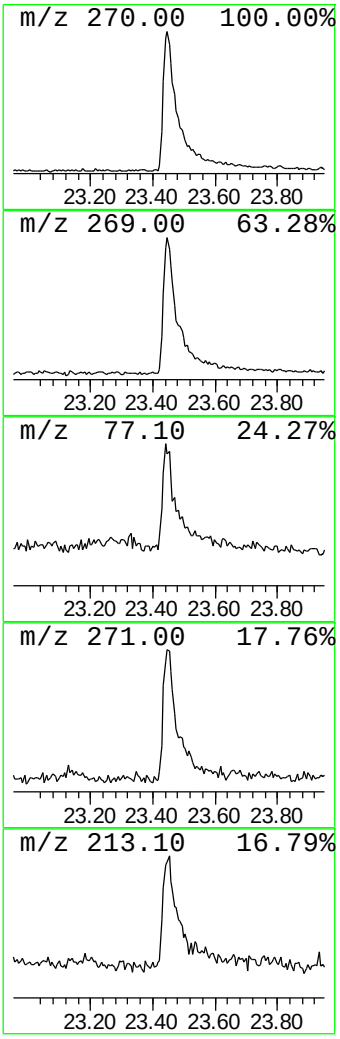
Peak Number 31 4H-1-Benzopyran-4-one, 3,5,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.45	20.00 ng/ul	668691	Perylene-d12	25.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-1-Benzopyran-4-one, 3,5,7-tri...	270	C15H10O5	000548-83-4	89
2	9,10-Anthracenedione, 1,4,5-trih...	270	C15H10O5	000476-56-2	58
3	9,10-Anthracenedione, 1,3,8-trih...	270	C15H10O5	000518-82-1	58
4	9,10-Anthracenedione, 1,3,8-trih...	270	C15H10O5	000518-82-1	53
5	Acridine, 9-anilino-	270	C19H14N2	003340-22-5	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021921\
Data File : BG048244.D
Acq On : 20 Feb 2021 20:05
Operator : CG/JU
Sample : M1412-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBGZ8

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	2.9	ng/ul	42091	1	8.12	289797	20.0
Bicyclo[2.2.1]hep...	7.61	5.1	ng/ul	73530	1	8.12	289797	20.0
p-Cymene	8.25	5.8	ng/ul	83964	1	8.12	289797	20.0
D-Limonene	8.33	5.3	ng/ul	77345	1	8.12	289797	20.0
Eucalyptol	8.42	2.8	ng/ul	40163	1	8.12	289797	20.0
Fenchol, exo-	9.85	2.7	ng/ul	54731	2	10.94	404609	20.0
unknown-01	10.27	3.7	ng/ul	75097	2	10.94	404609	20.0
endo-Borneol	10.71	7.9	ng/ul	159043	2	10.94	404609	20.0
.alpha.-Terpineol	10.99	4.3	ng/ul	86117	2	10.94	404609	20.0
8-hydroxyneomenthol	12.66	7.0	ng/ul	141557	2	10.94	404609	20.0
Spiro[cyclopropan...	13.80	3.0	ng/ul	88399	3	14.75	580593	20.0
Phenol, 3-(2-phen...	17.68	4.0	ng/ul	126938	4	17.49	632176	20.0
4-Hydrazono-5-hyd...	17.91	2.5	ng/ul	78308	4	17.49	632176	20.0
unknown-02	18.49	4.9	ng/ul	155163	4	17.49	632176	20.0
[1,2,4]-Triazolo[...	18.67	2.1	ng/ul	67116	4	17.49	632176	20.0
10,18-Bisnorabiet...	18.76	2.8	ng/ul	89737	4	17.49	632176	20.0
Carbamic acid, N-...	18.81	7.5	ng/ul	238333	4	17.49	632176	20.0
4b,8-Dimethyl-2-i...	19.09	12.6	ng/ul	399537	4	17.49	632176	20.0
Acridin-9-amine, ...	19.16	5.3	ng/ul	169065	4	17.49	632176	20.0
unknown-03	19.32	13.0	ng/ul	411606	4	17.49	632176	20.0
10,18-Bisnorabiet...	19.59	65.5	ng/ul	2071090	4	17.49	632176	20.0
Benzene, 1,3-dime...	20.25	86.5	ng/ul	3707510	5	21.78	856861	20.0
Retene	20.31	9.7	ng/ul	417477	5	21.78	856861	20.0
Estra-4,9,11-trie...	20.44	5.2	ng/ul	224648	5	21.78	856861	20.0
unknown-04	20.67	395.8	ng/ul	16958200	5	21.78	856861	20.0
Equilenin	20.81	51.0	ng/ul	2186250	5	21.78	856861	20.0
2-Propen-1-one, 1...	21.21	9.1	ng/ul	390269	5	21.78	856861	20.0
4H-1-Benzopyran-4...	21.70	61.3	ng/ul	2625540	5	21.78	856861	20.0
trans-4-Fluoro-4'...	22.14	18.4	ng/ul	790408	5	21.78	856861	20.0
unknown-05	22.34	24.0	ng/ul	1029910	5	21.78	856861	20.0
4H-1-Benzopyran-4...	23.45	20.0	ng/ul	668691	6	25.09	668691	20.0