LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG103017\
Data File : BG030589.D
Acq On : 30 Oct 2017 21:54
Operator : SJ/JU
Sample : I5842-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB9

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.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	3.547	40	44	52	rVB2	15795	25031	0.25%	0.041%
2	4.082	129	135	140	rVB3	16096	23808	0.24%	0.039%
3	5.239	325	332	340	rBV6	10316	23603	0.23%	0.039%
4	7.313	676	685	702	rVB2	279655	570176	5.65%	0.940%
5	7.478	702	713	727	rBV	203263	335494	3.32%	0.553%
6	7.689	741	749	759	rVB	259291	457459	4.53%	0.754%
7	8.159	820	829	843	rBV	262574	456749	4.52%	0.753%
8	8.859	937	948	960	rBV	361463	648760	6.43%	1.069%
9	9.323	1018	1027	1040	rBV	252957	453575	4.49%	0.748%
10	10.051	1143	1151	1168	rVB	223108	419696	4.16%	0.692%
11	10.592	1235	1243	1254	rBV	394389	697520	6.91%	1.150%
12	10.974	1300	1308	1317	rBV	434652	775050	7.68%	1.277%
13	11.109	1321	1331	1351	rBV	84750	191117	1.89%	0.315%
14	12.272	1522	1529	1537	rVB	66176	108081	1.07%	0.178%
15	13.154	1672	1679	1688	rBV2	54464	87263	0.86%	0.144%
16	13.524	1736	1742	1750	rBV3	32391	68178	0.68%	0.112%
17	13.659	1756	1765	1778	rBV2	69997	127123	1.26%	0.210%
18	13.876	1794	1802	1812	rBV6	10001	26807	0.27%	0.044%
19	14.105	1827	1841	1847	rBV	1029347	1556271	15.42%	2.565%
20	14.170	1847	1852	1858	rVV	690866	1071635	10.62%	1.766%
21	14.217	1858	1860	1869	rVB2	65552	80491	0.80%	0.133%
22	14.470	1895	1903	1911	rVV	792086	1305452	12.93%	2.151%
23	14.611	1922	1927	1931	rBV3	32290	50331	0.50%	0.083%
24	14.775	1946	1955	1962	rVV2	700539	1169138	11.58%	1.927%
25	14.834	1962	1965	1978	rVB2	55195	91232	0.90%	0.150%
26	14.963	1978	1987	1993	rBV	239831	428211	4.24%	0.706%
27	15.016	1993	1996	2003	rVV2	51678	89759	0.89%	0.148%
28	15.081	2003	2007	2018	rVV2	52641	127951	1.27%	0.211%
29	15.186	2018	2025	2030	rVB9	25129	58048	0.57%	0.096%
30	15.298	2040	2044	2053	rVV5	14693	25107	0.25%	0.041%
31	15.651	2099	2104	2109	rBV4	28517	43434	0.43%	0.072%
32	15.762	2116	2123	2133	rVV	1501157	2284012	22.62%	3.764%
33	15.880	2133	2143	2151	rVV	275134	455942	4.52%	0.751%
34	16.003	2159	2164	2172	rVB5	24122	39078	0.39%	0.064%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG103017\
Data File : BG030589.D
Acq On : 30 Oct 2017 21:54
Operator : SJ/JU
Sample : I5842-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB9

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Title : SVOA CALIBRATION

35	16.121	2175	2184	2192	rBV	341165	508444	5.04%	0.838%
36	16.226	2192	2202	2214	rBV6	50023	143689	1.42%	0.237%
37	16.350	2216	2223	2226	rBV6	26873	51956	0.51%	0.086%
38	16.391	2226	2230	2236	rVV7	18206	35142	0.35%	0.058%
39	16.461	2236	2242	2260	rVB3	128544	259127	2.57%	0.427%
40	16.608	2262	2267	2275	rBV9	16276	35789	0.35%	0.059%
41	17.190	2358	2366	2373	rVB9	29359	55404	0.55%	0.091%
42	17.390	2394	2400	2408	rBV10	28284	63988	0.63%	0.105%
43	17.513	2415	2421	2432	rVV2	881842	1422715	14.09%	2.345%
44	17.613	2432	2438	2448	rVV2	1022591	1583388	15.68%	2.609%
45	17.707	2448	2454	2460	rVV7	47552	82719	0.82%	0.136%
46	17.872	2478	2482	2486	rBV7	12841	23732	0.24%	0.039%
47	17.919	2486	2490	2497	rVV8	15032	44216	0.44%	0.073%
48	18.265	2540	2549	2563	rVB8	29715	83531	0.83%	0.138%
49	18.383	2563	2569	2575	rBV2	178867	253969	2.52%	0.419%
50	18.688	2615	2621	2624	rBV7	26331	49694	0.49%	0.082%
51	18.882	2649	2654	2657	rBV6	16069	29045	0.29%	0.048%
52	18.923	2657	2661	2672	rVB4	42678	78252	0.78%	0.129%
53	19.293	2719	2724	2730	rBV3	27559	48255	0.48%	0.080%
54	19.434	2742	2748	2753	rBV2	72365	177809	1.76%	0.293%
55	19.552	2756	2768	2772	rBV	202604	450218	4.46%	0.742%
56	19.640	2773	2783	2796	rVB6	254595	921815	9.13%	1.519%
57	19.887	2818	2825	2838	rVB2	1326261	2289580	22.68%	3.773%
58	19.987	2838	2842	2848	rVB3	29488	55021	0.55%	0.091%
59	20.069	2848	2856	2857	rBV8	34779	63476	0.63%	0.105%
60	20.263	2879	2889	2894	rBV2	209756	369315	3.66%	0.609%
61	20.369	2901	2907	2909	rBV5	77082	130248	1.29%	0.215%
62	20.404	2909	2913	2921	rVB3	198382	305096	3.02%	0.503%
63	20.498	2924	2929	2933	rBV5	37838	79344	0.79%	0.131%
64	20.563	2935	2940	2944	rVB2	42859	68957	0.68%	0.114%
65	20.686	2956	2961	2967	rBV2	156662	270349	2.68%	0.446%
66	20.745	2967	2971	2975	rVB5	43905	82910	0.82%	0.137%
67	20.809	2979	2982	2987	rVB4	42660	56004	0.55%	0.092%
68	21.056	3020	3024	3030	rBV2	56684	85155	0.84%	0.140%
69	21.168	3040	3043	3048	rBV	47911	79286	0.79%	0.131%
70	21.232	3048	3054	3061	rBV	2791344	3755268	37.20%	6.189%
71	21.320	3063	3069	3078	rBV	64837	255557	2.53%	0.421%

LSC Area Percent Report

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Data File : BG030589.D
Acq On : 30 Oct 2017 21:54
Operator : SJ/JU
Sample : I5842-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB9

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Title : SVOA CALIBRATION

72	21.403	3078	3083	3089	rVB	335070	511612	5.07%	0.843%
73	21.508	3097	3101	3115	rVB3	57923	173549	1.72%	0.286%
74	21.790	3138	3149	3155	rBV	975642	1978418	19.60%	3.261%
75	21.973	3172	3180	3193	rBV8	38173	143015	1.42%	0.236%
76	22.214	3209	3221	3223	rBV8	188966	549840	5.45%	0.906%
77	22.278	3224	3232	3253	rVB6	362656	1613509	15.98%	2.659%
78	22.613	3280	3289	3298	rBV2	479069	1039593	10.30%	1.713%
79	22.872	3299	3333	3358	rVB3	1275599	10095371	100.00%	16.638%
80	23.300	3399	3406	3411	rBV	68167	140448	1.39%	0.231%
81	23.653	3462	3466	3479	rVB8	60689	156377	1.55%	0.258%
82	24.047	3525	3533	3539	rBV	106631	337199	3.34%	0.556%
83	24.129	3539	3547	3554	rVV	751167	1761801	17.45%	2.904%
84	24.194	3554	3558	3571	rVB4	155654	402772	3.99%	0.664%
85	24.793	3653	3660	3664	rBV2	46713	119569	1.18%	0.197%
86	24.875	3664	3674	3695	rVB2	653821	2033532	20.14%	3.351%
87	25.104	3701	3713	3723	rBV2	652841	1949464	19.31%	3.213%
88	25.645	3798	3805	3813	rVB5	67647	194860	1.93%	0.321%
89	26.127	3878	3887	3899	rVB2	106602	347814	3.45%	0.573%
90	26.279	3901	3913	3925	rVB2	572114	1836588	18.19%	3.027%
91	26.403	3926	3934	3947	rBV3	87128	295889	2.93%	0.488%
92	27.243	4067	4077	4081	rBV3	57381	182893	1.81%	0.301%
93	27.360	4083	4097	4117	rVB3	129552	818208	8.10%	1.348%
94	27.672	4141	4150	4163	rVB3	81865	286270	2.84%	0.472%
95	28.494	4281	4290	4304	rVB9	55822	206231	2.04%	0.340%
96	29.100	4365	4393	4422	rVB9	247130	2607114	25.82%	4.297%
97	29.364	4427	4438	4466	rVB6	160281	886625	8.78%	1.461%
98	29.887	4519	4527	4544	rVB7	46039	216622	2.15%	0.357%
99	30.592	4633	4647	4670	rBV10	152231	800798	7.93%	1.320%
100	31.415	4780	4787	4813	rVB9	46125	272331	2.70%	0.449%

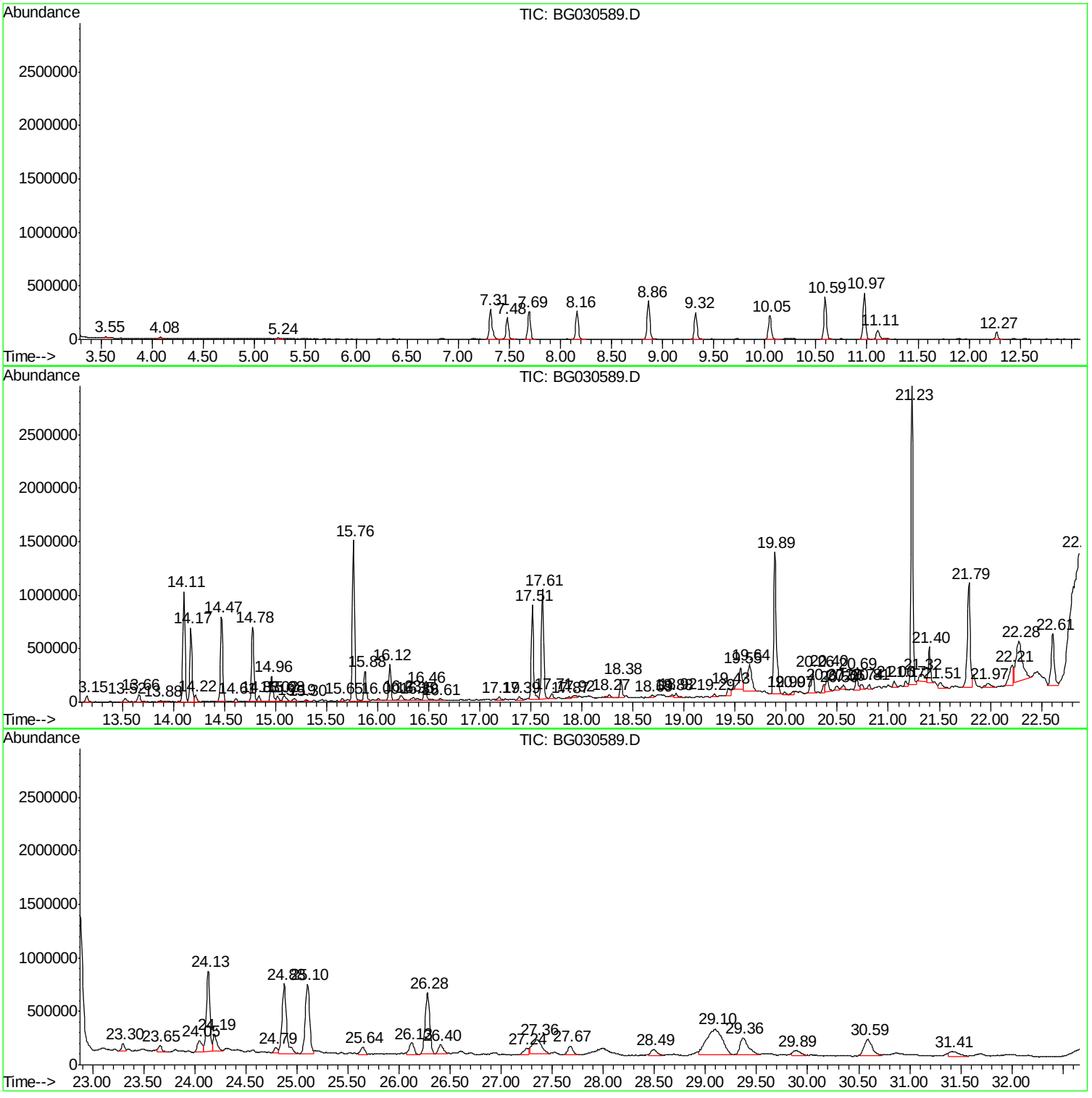
Sum of corrected areas: 60678357

Data Path : Z:\HPCHEM1\BNA_G\Data\BG103017\
Data File : BG030589.D
Acq On : 30 Oct 2017 21:54
Operator : SJ/JU
Sample : I5842-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\Data\BG103017\
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Instrument : BNA_G
ClientSampleId : C0AB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

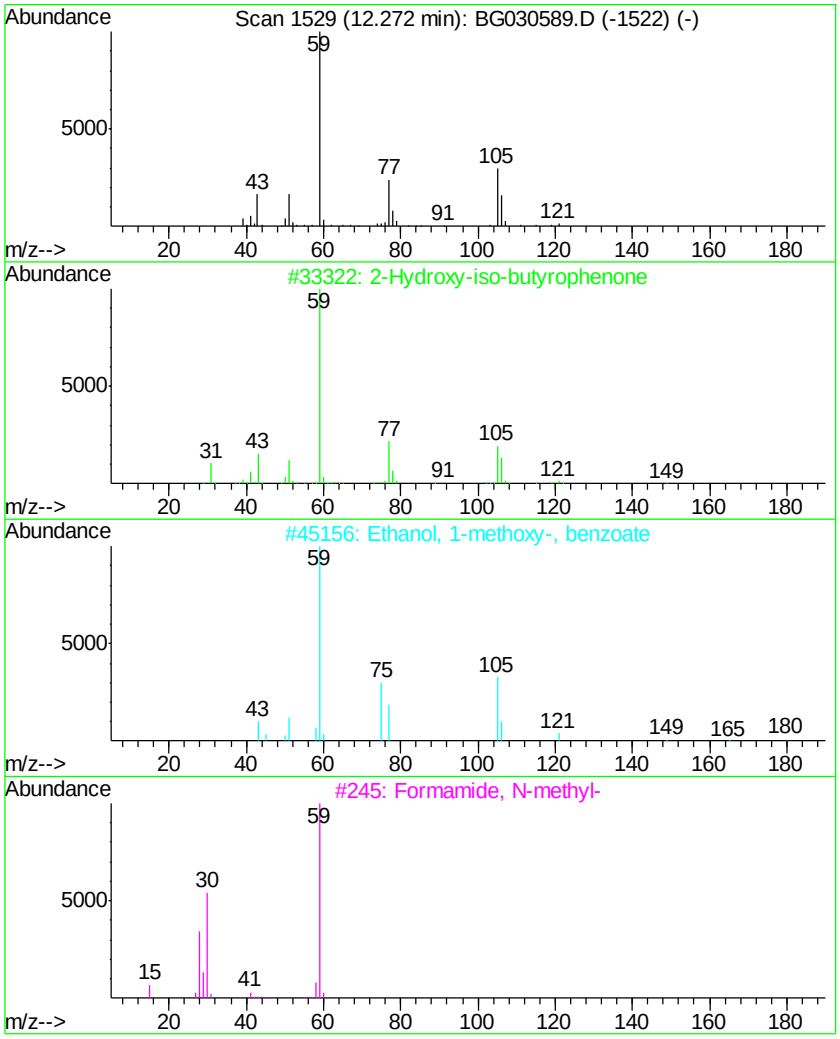
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

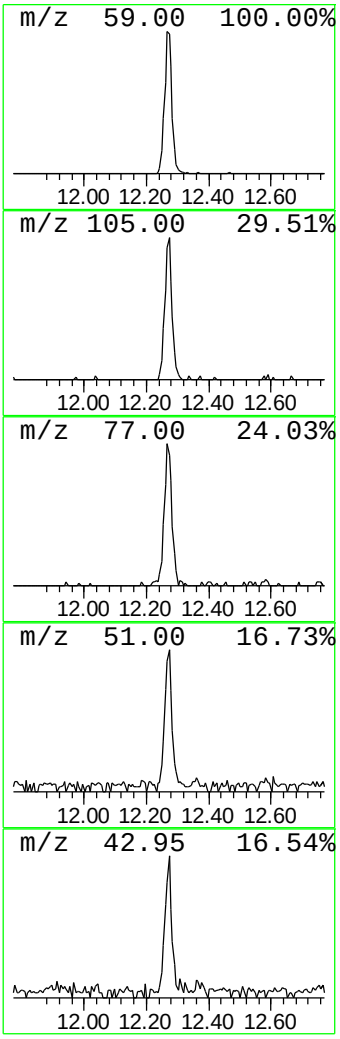
****

Peak Number 1 2-Hydroxy-iso-butyrophenone Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	2.79 ng/ul	108081	Naphthalene-d8	10.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-iso-butyrophenone	164	C10H12O2	007473-98-5	78
2	Ethanol, 1-methoxy-, benzoate	180	C10H12O3	051835-44-0	64
3	Formamide, N-methyl-	59	C2H5NO	000123-39-7	9
4	Acetic acid, chloro-, methyl ester	108	C3H5ClO2	000096-34-4	9
5	Propanoic acid, 2-methoxy-, meth...	118	C5H10O3	017639-76-8	9





Data Path : Z:\HPCHEM1\BNA_G\Data\BG103017\
Data File : BG030589.D
Acq On : 30 Oct 2017 21:54
Operator : SJ/JU
Sample : I5842-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

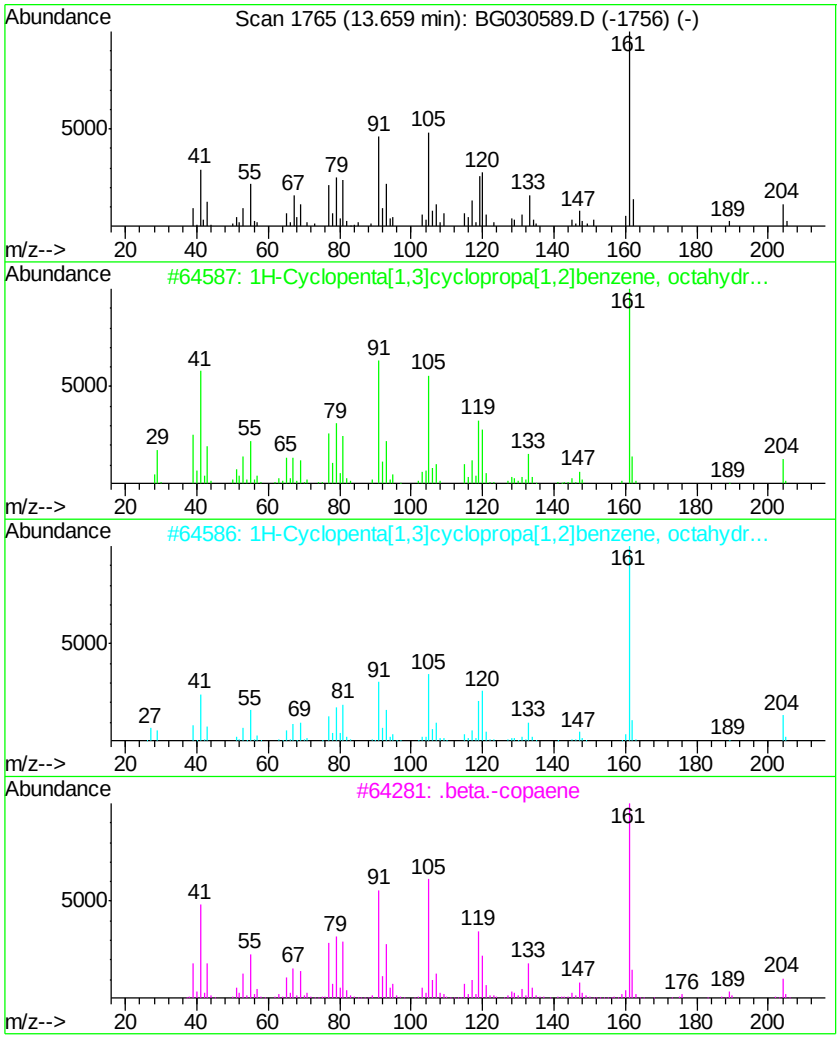
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

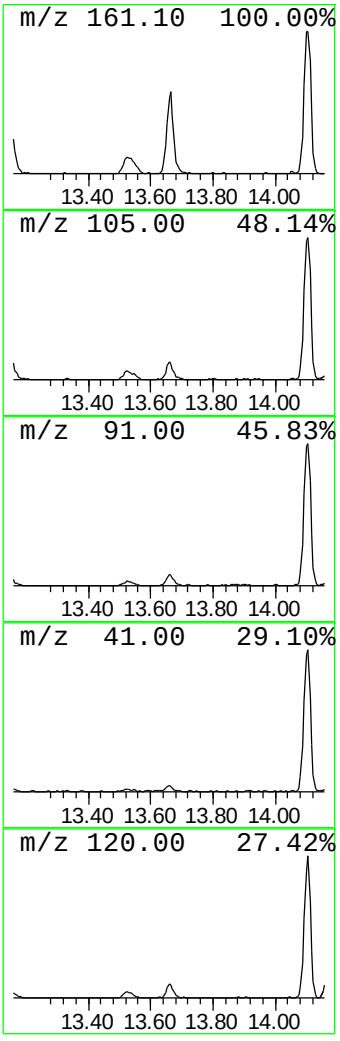
****

Peak Number 2 1H-Cyclopenta[1,3]cycloprop... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	2.17 ng/ul	127123	Acenaphthene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopenta[1,3]cyclopropa[1,2...	204	C15H24	013744-15-5	96
2	1H-Cyclopenta[1,3]cyclopropa[1,2...	204	C15H24	013744-15-5	96
3	.beta.-copaene	204	C15H24	1000374-18-9	95
4	Bicyclo[4.4.0]dec-1-ene, 2-isopr...	204	C15H24	150320-52-8	93
5	(+)-epi-Bicyclosesquiphellandrene	204	C15H24	054274-73-6	91





Data Path : Z:\HPCHEM1\BNA_G\Data\BG103017\
Data File : BG030589.D
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Sample : I5842-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

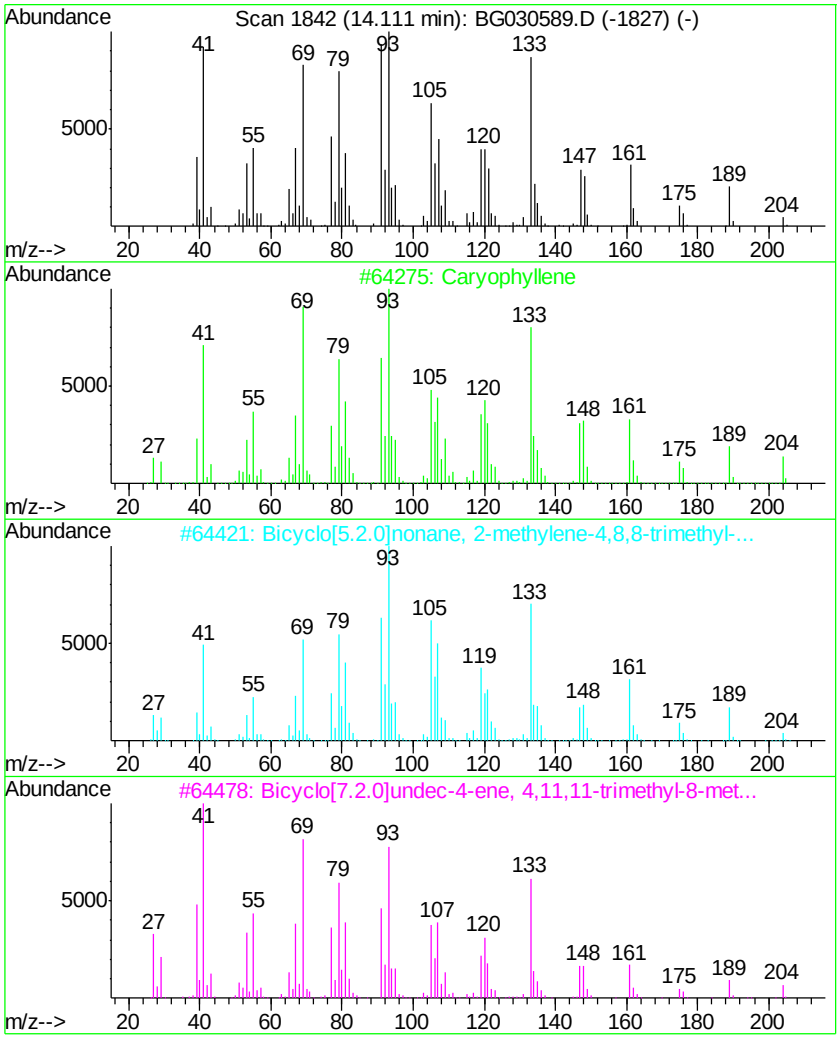
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

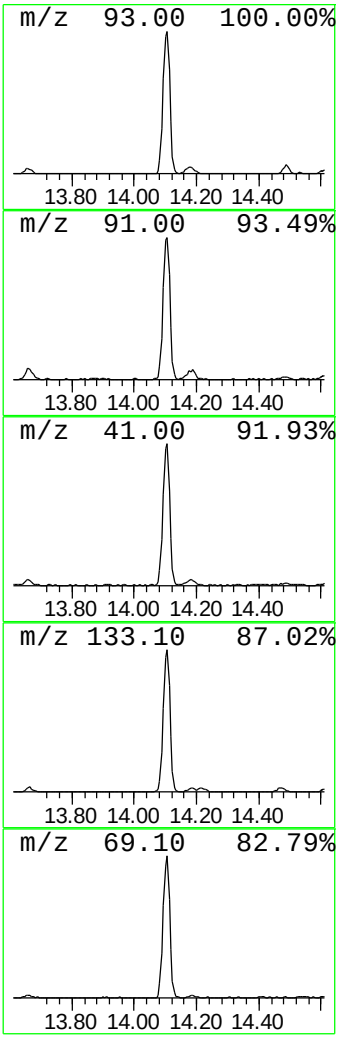
****

Peak Number 3 Caryophyllene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	26.62 ng/ul	1556270	Acenaphthene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Caryophyllene	204	C15H24	000087-44-5	93
2	Bicyclo[5.2.0]nonane, 2-methylen...	204	C15H24	242794-76-9	92
3	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	91
4	Caryophyllene	204	C15H24	000087-44-5	91
5	Caryophyllene	204	C15H24	000087-44-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG103017\
Data File : BG030589.D
Acq On : 30 Oct 2017 21:54
Operator : SJ/JU
Sample : I5842-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

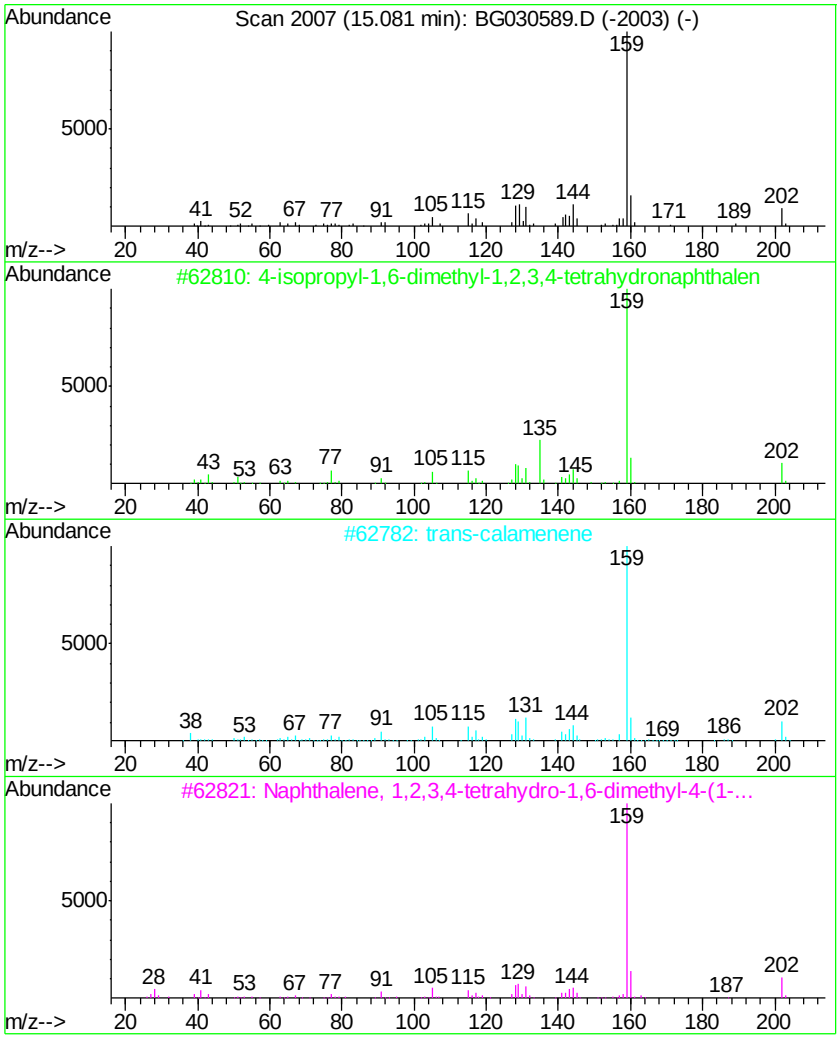
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

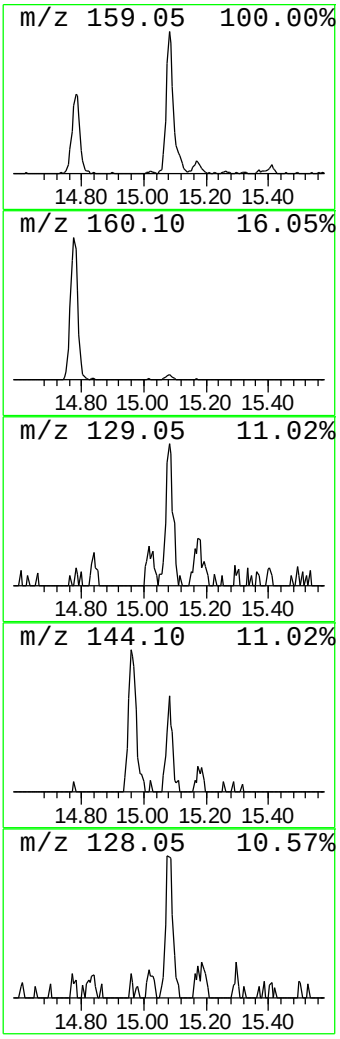
****

Peak Number 4 4-isopropyl-1,6-dimethyl-1,... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	2.19 ng/ul	127951	Acenaphthene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-isopropyl-1,6-dimethyl-1,2,3,4...	202	C15H22	1000378-99-6	95
2	trans-calamenene	202	C15H22	1000374-17-3	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	202	C15H22	000483-77-2	90
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	86
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	72





Data Path : Z:\HPCHEM1\BNA_G\Data\BG103017\
Data File : BG030589.D
Acq On : 30 Oct 2017 21:54
Operator : SJ/JU
Sample : I5842-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

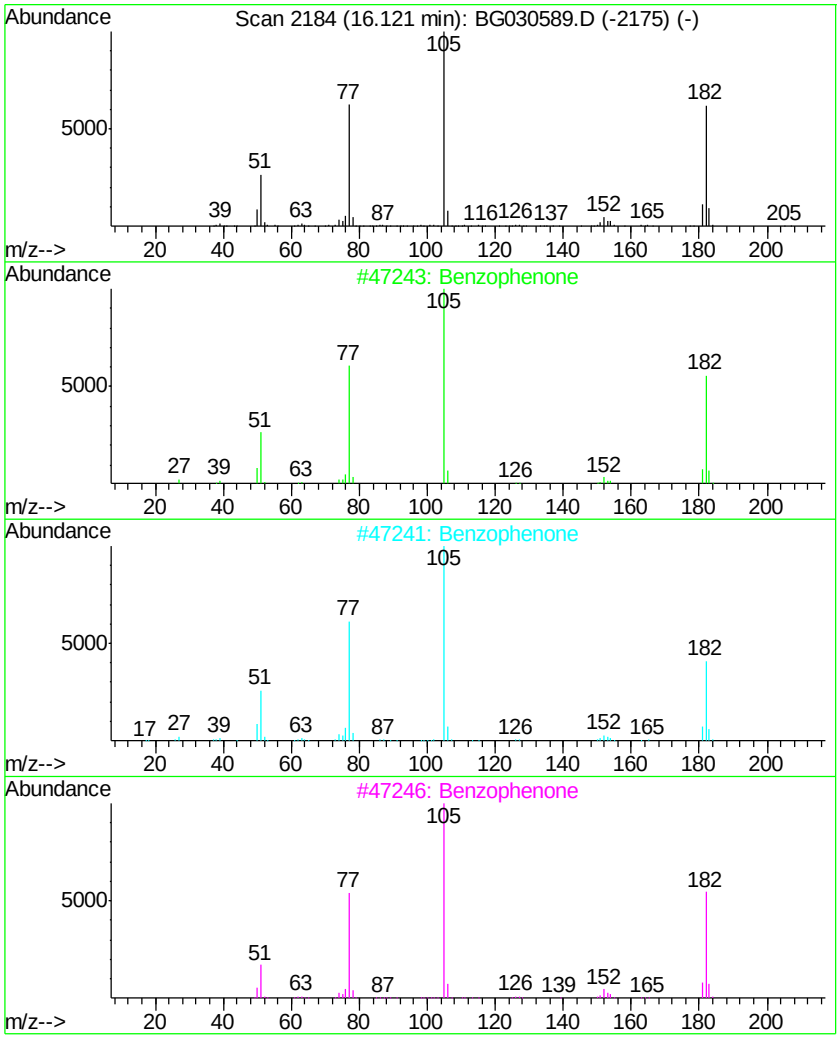
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

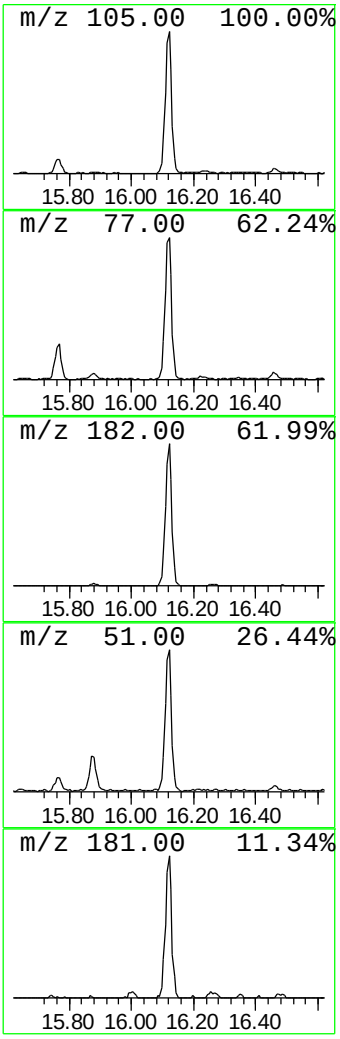
****

Peak Number 5 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	8.70 ng/ul	508444	Acenaphthene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzophenone	182	C13H10O	000119-61-9	95
3	Benzophenone	182	C13H10O	000119-61-9	95
4	Benzophenone	182	C13H10O	000119-61-9	87
5	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46





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Operator : SJ/JU
Sample : I5842-20
Misc :
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Instrument : BNA_G
ClientSampleId : C0AB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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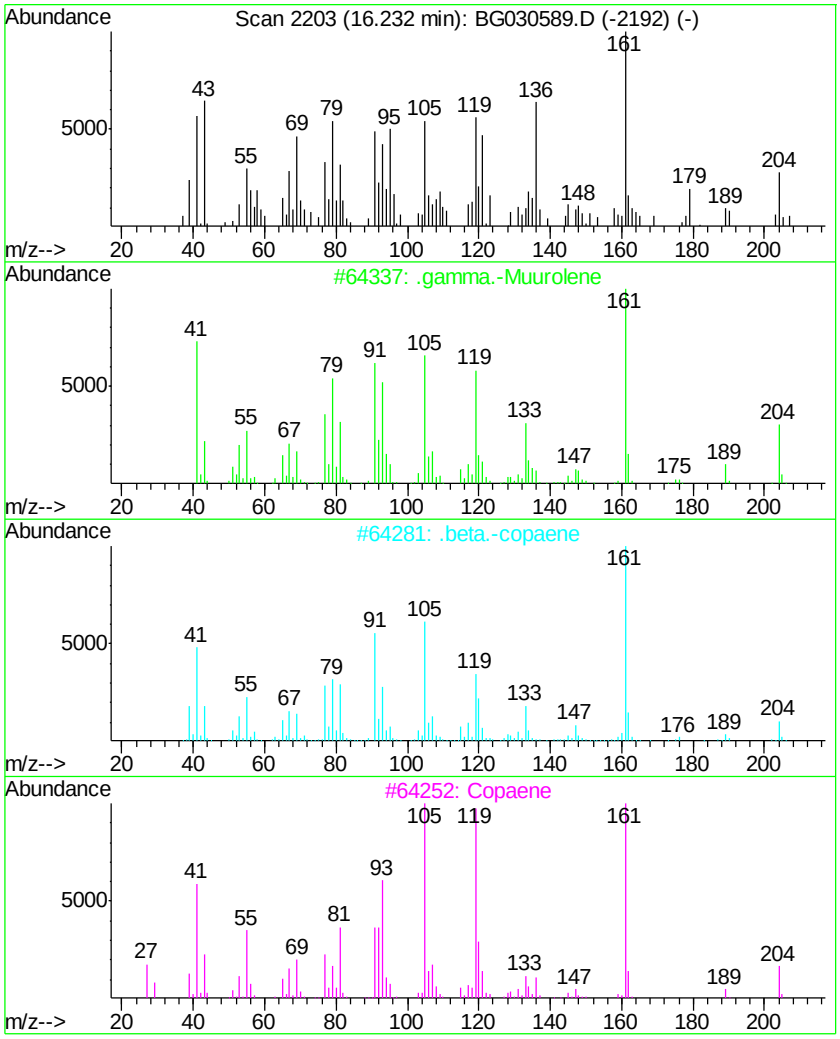
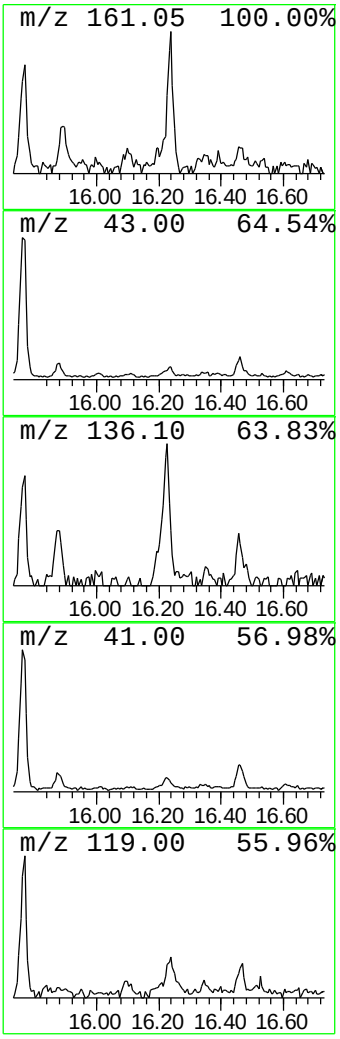
Peak Number 6 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	2.02 ng/ul	143689	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Muurolene	204	C15H24	030021-74-0	46
2	.beta.-copaene	204	C15H24	1000374-18-9	45
3	Copaene	204	C15H24	003856-25-5	38
4	1,6-Cyclodecadiene, 1-methyl-5-m...	204	C15H24	023986-74-5	38
5	2,4-Quinolinediol	161	C9H7NO2	000086-95-3	38





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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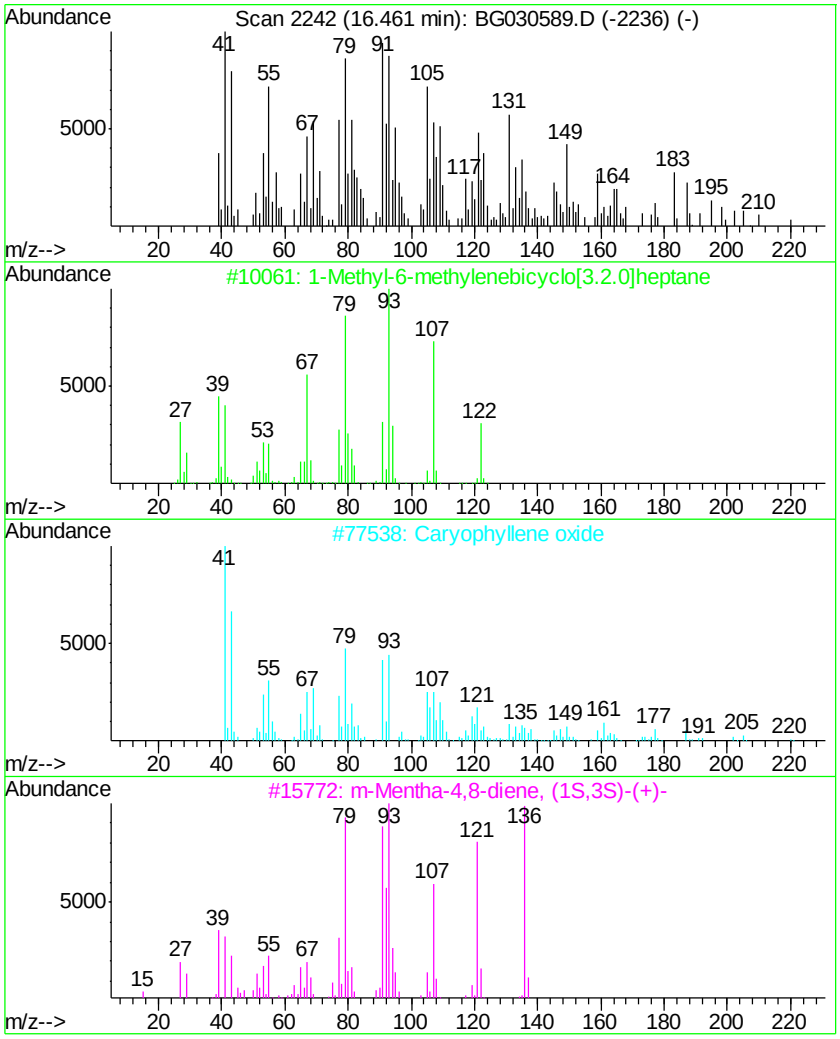
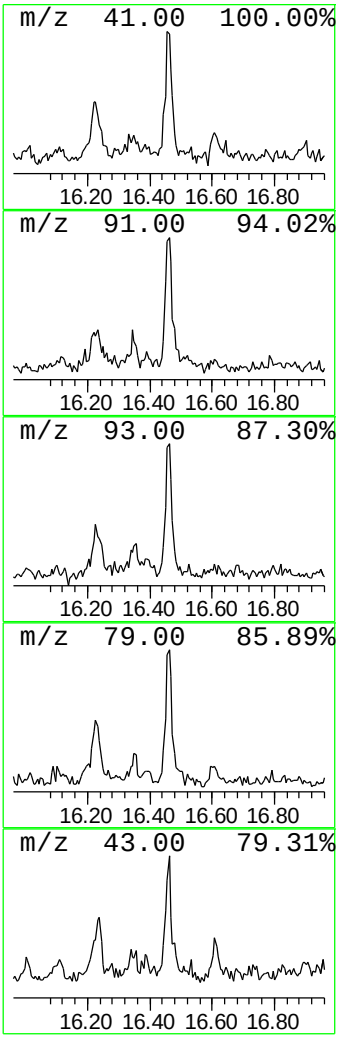
Peak Number 7 1-Methyl-6-methylenebicyclo... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	3.64 ng/ul	259127	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-6-methylenebicyclo[3.2....	122	C9H14	1000210-90-0	83
2	Caryophyllene oxide	220	C15H24O	001139-30-6	60
3	m-Mentha-4,8-diene, (1S,3S)-(+)-	136	C10H16	005208-51-5	49
4	7-Methylene-9-oxabicyclo[6.1.0]n...	136	C9H12O	264628-23-1	46
5	Bicyclo[3.1.1]hept-2-ene-2-ethan...	166	C11H18O	000128-50-7	46





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Instrument : BNA_G
ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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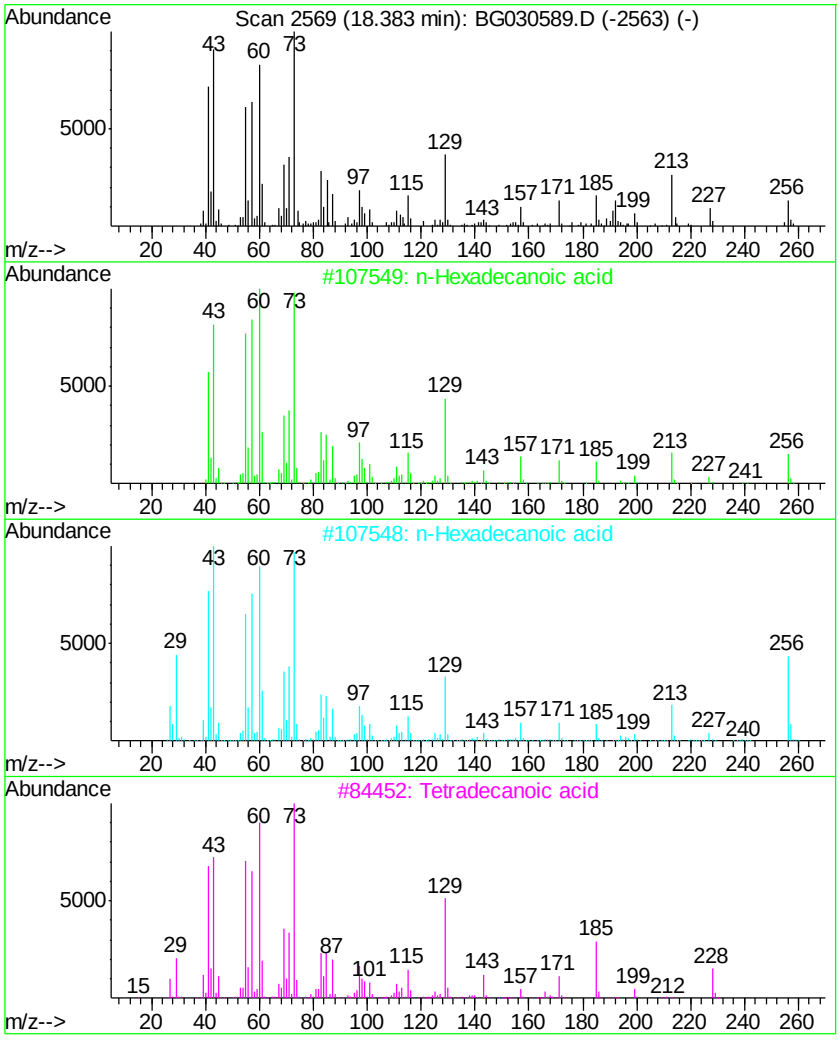
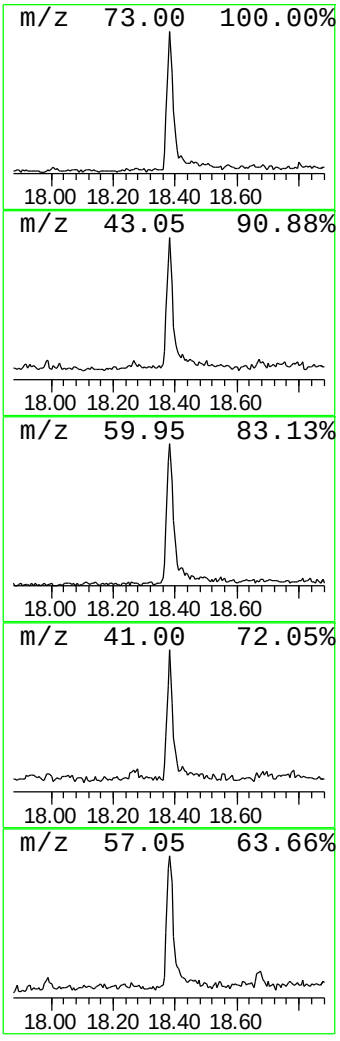
Peak Number 8 n-Hexadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	3.57 ng/ul	253969	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	92
5	Tridecanoic acid	214	C13H26O2	000638-53-9	86





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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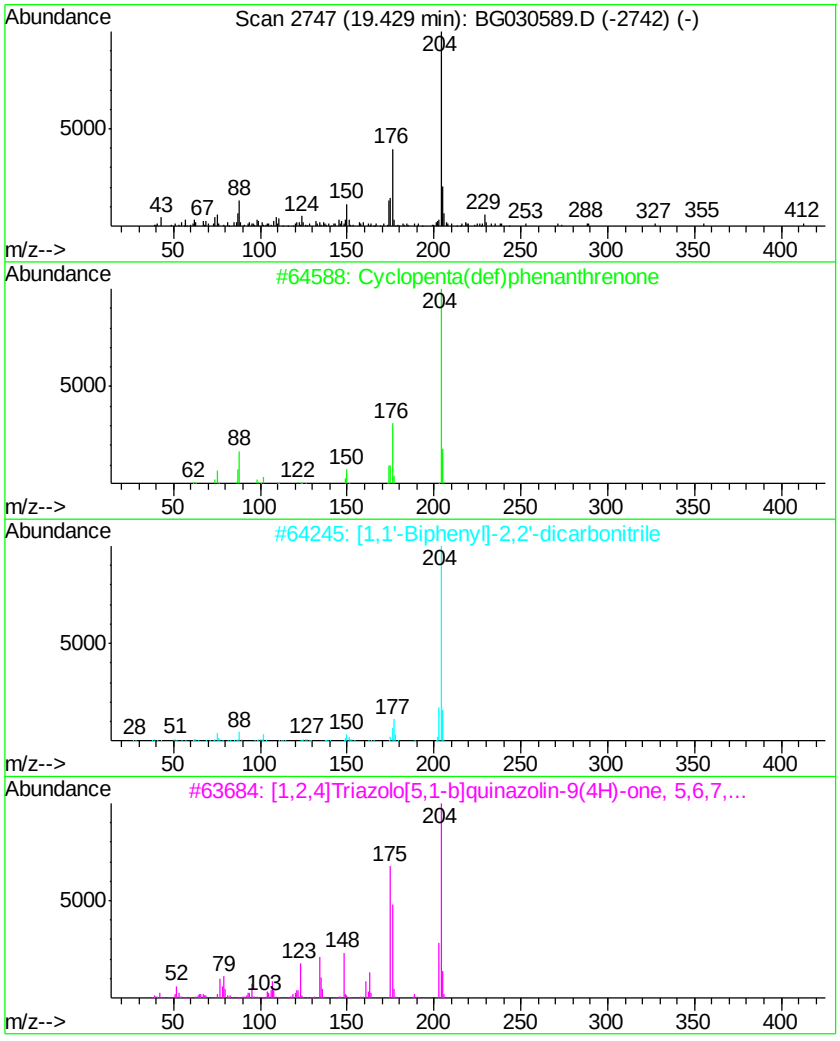
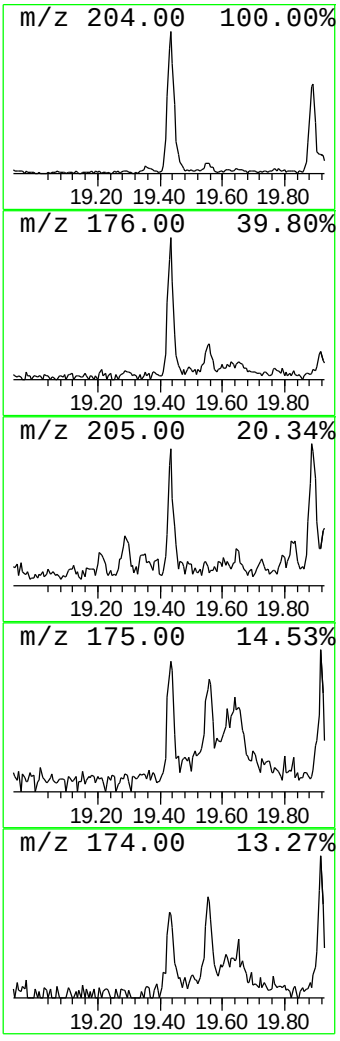
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	2.50 ng/ul	177809	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
3	[1,2,4]Triazolo[5,1-b]quinazolin...	204	C10H12N4O	1000337-56-5	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	42





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Operator : SJ/JU
Sample : I5842-20
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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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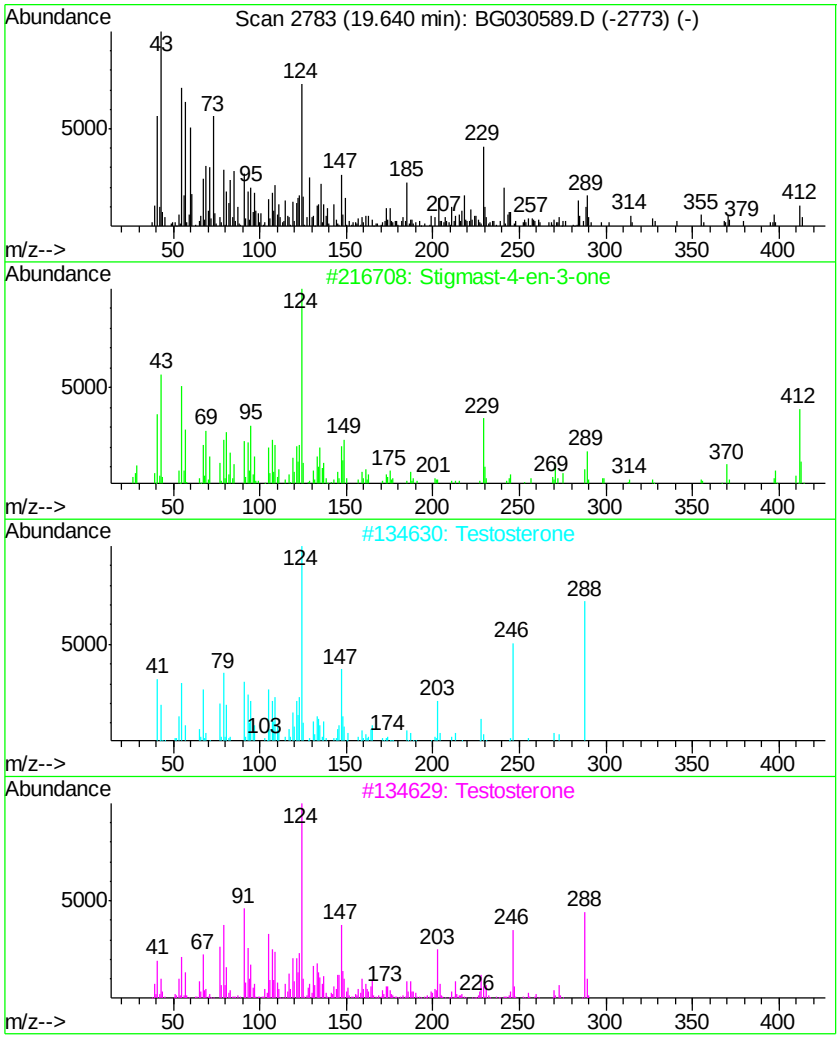
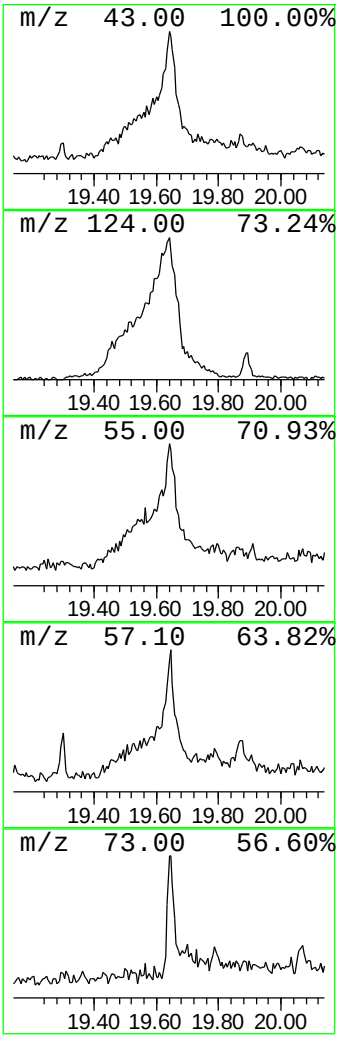
Peak Number 10 Stigmast-4-en-3-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	12.96 ng/ul	921815	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	91
2	Testosterone	288	C19H28O2	000058-22-0	53
3	Testosterone	288	C19H28O2	000058-22-0	42
4	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000604-39-7	41
5	Testosterone	288	C19H28O2	000058-22-0	38





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Sample : I5842-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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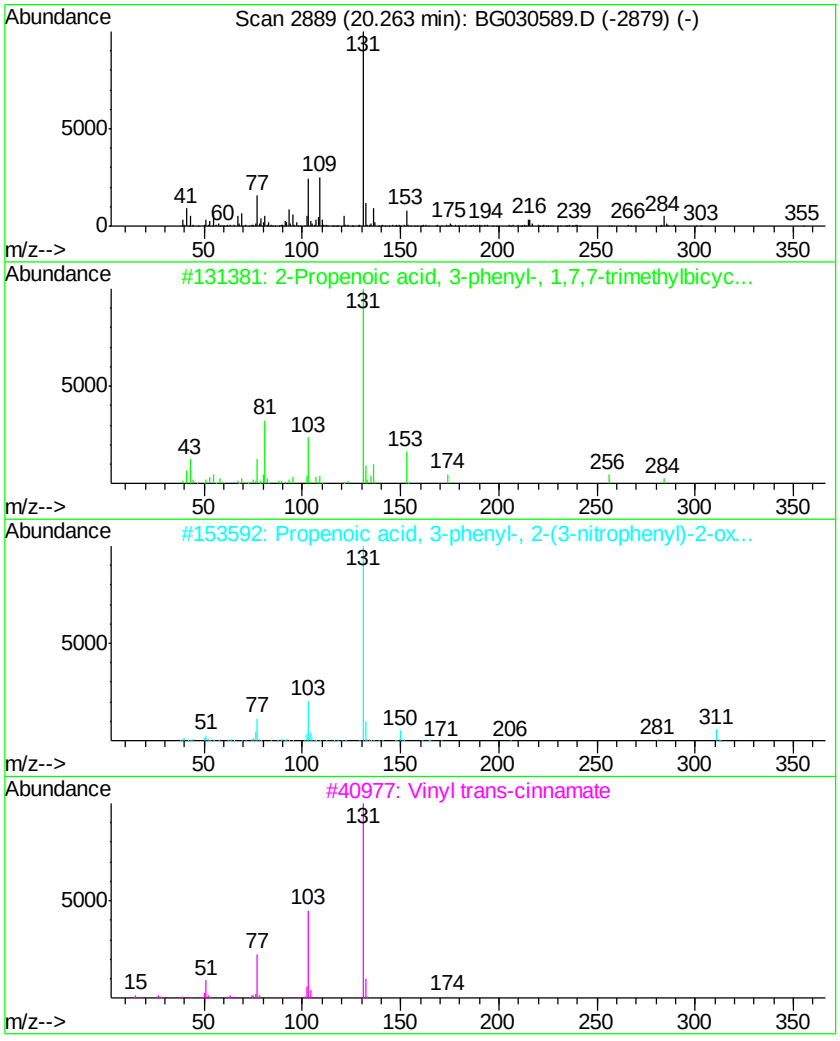
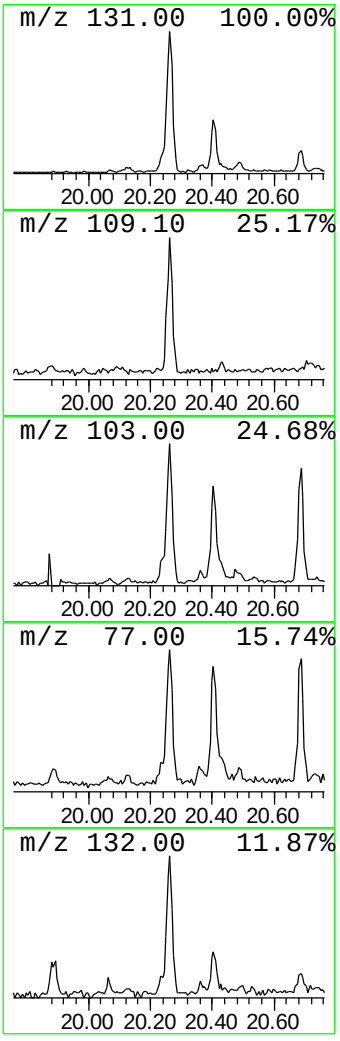
Peak Number 11 2-Propenoic acid, 3-phenyl-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	3.73 ng/ul	369315	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 3-phenyl-, 1,7...	284	C19H24O2	006330-67-2	59
2	Propenoic acid, 3-phenyl-, 2-(3-...	311	C17H13NO5	1000264-14-5	50
3	Vinyl trans-cinnamate	174	C11H10O2	017719-70-9	50
4	1-Penten-3-one, 4-methyl-1-phenyl-	174	C12H14O	003160-32-5	50
5	2,4,5-Trichlorophenyl cinnamate	326	C15H9Cl3O2	1000242-39-6	50





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Sample : I5842-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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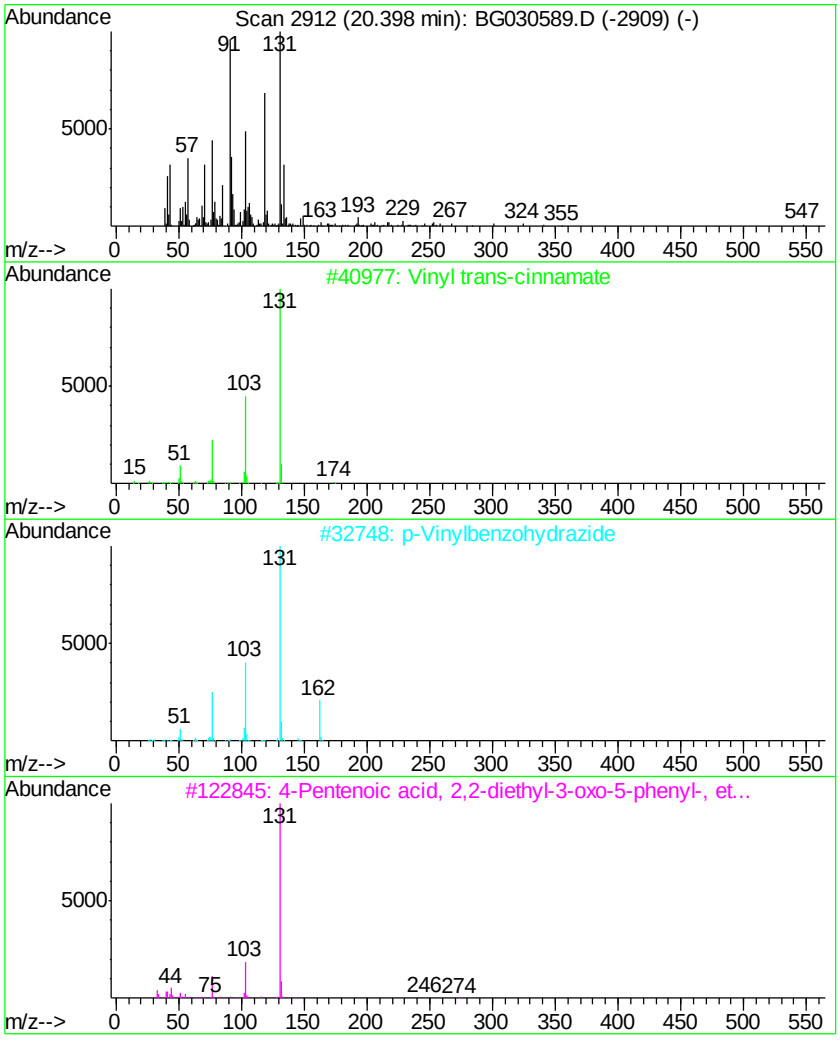
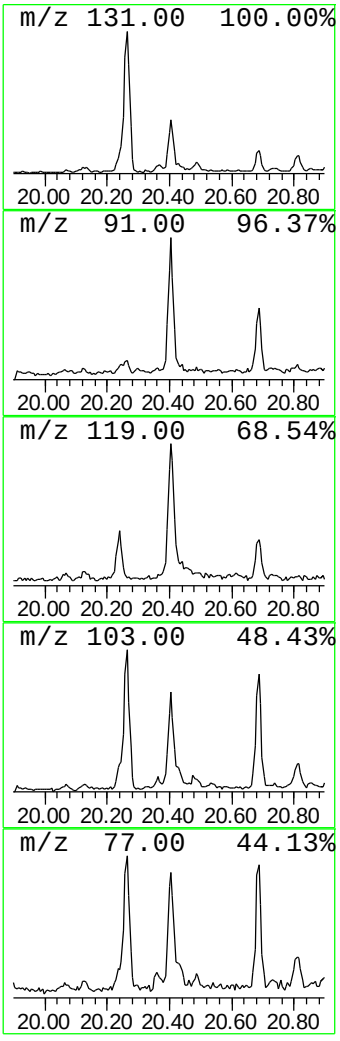
Peak Number 12 Vinyl trans-cinnamate Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.40	3.08 ng/ul	305096	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vinyl trans-cinnamate	174	C11H10O2	017719-70-9	55
2	p-Vinylbenzohydrazide	162	C9H10N2O	1000244-74-9	43
3	4-Pentenoic acid, 2,2-diethyl-3-...	274	C17H22O3	337503-48-7	43
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	38
5	1-Penten-3-one, 4,4-dimethyl-1-p...	188	C13H16O	000538-44-3	35





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Instrument : BNA_G
ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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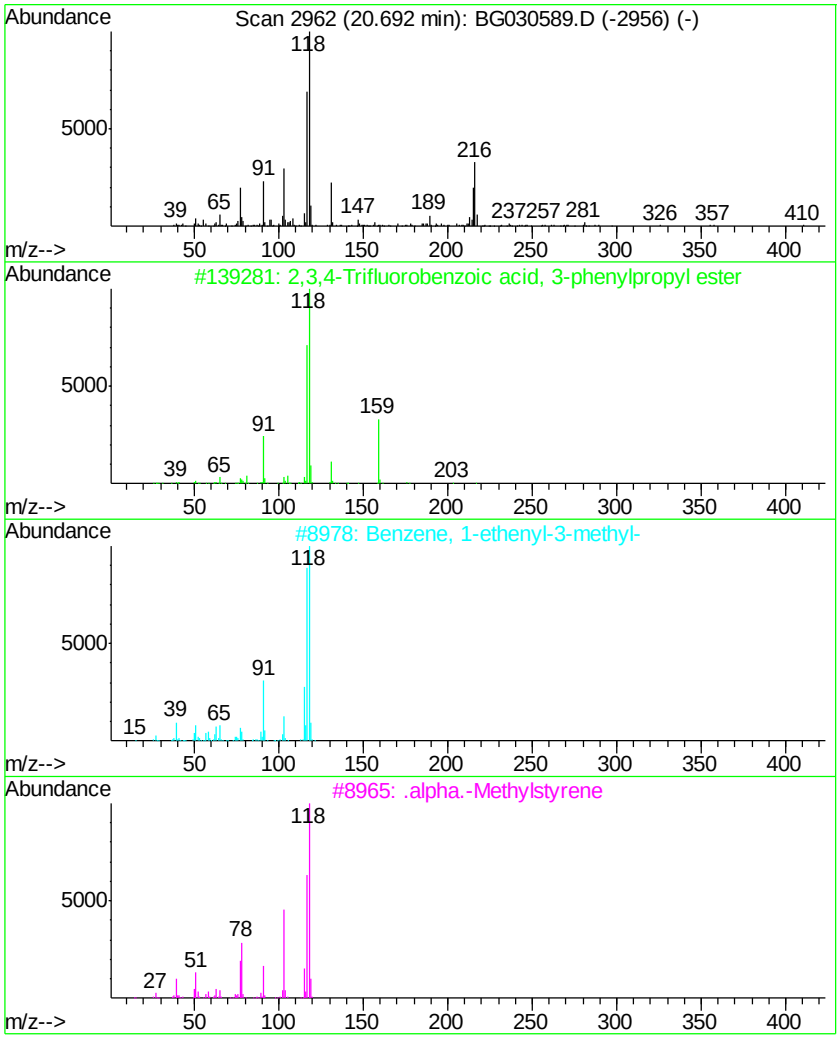
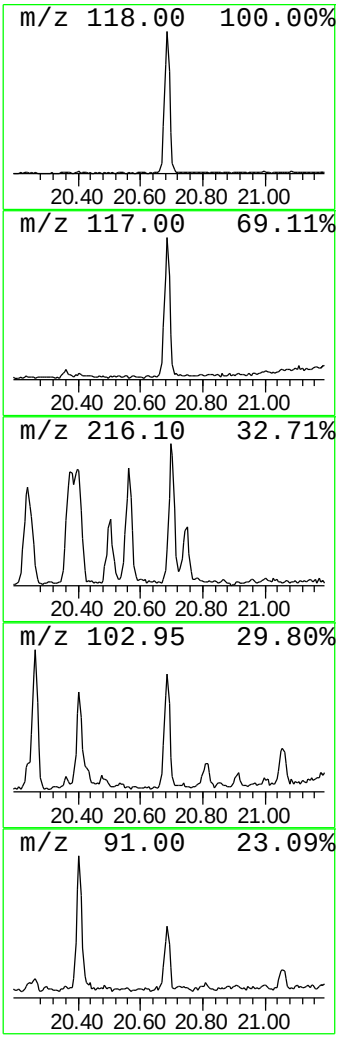
Peak Number 13 2,3,4-Trifluorobenzoic acid... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	2.73 ng/ul	270349	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4-Trifluorobenzoic acid, 3-p...	294	C16H13F3O2	1000282-30-3	53
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	53
3	.alpha.-Methylstyrene	118	C9H10	000098-83-9	53
4	3-Chloropropionic acid, 3-phenyl...	226	C12H15ClO2	078987-69-6	52
5	Propanoic acid, 2-methyl-, 3-phe...	206	C13H18O2	000103-58-2	52





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Quant Title : SVOA CALIBRATION

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

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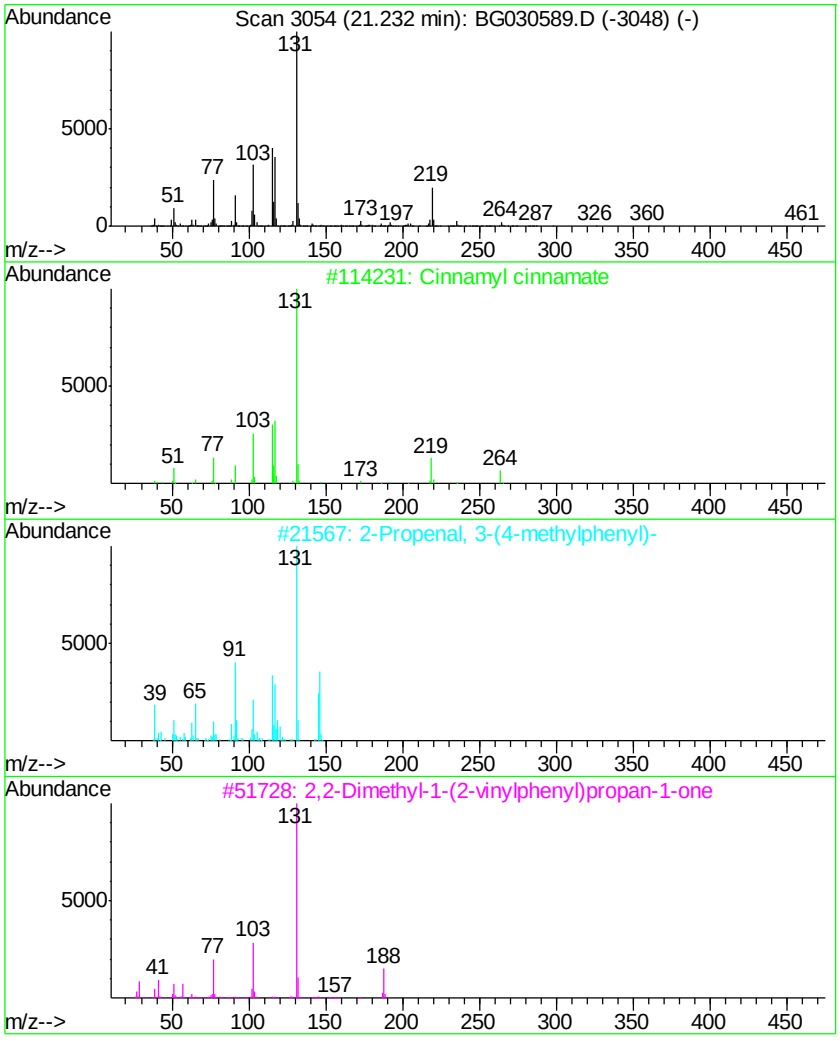
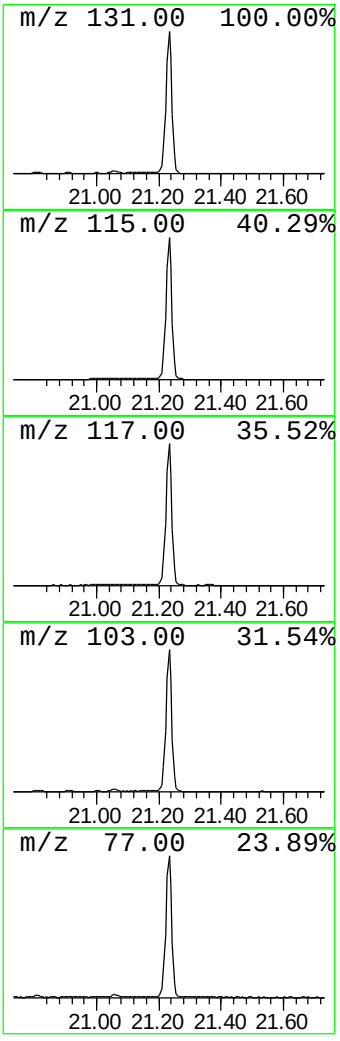
Peak Number 14 Cinnamyl cinnamate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	37.96 ng/ul	3755270	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamyl cinnamate	264	C18H16O2	000122-69-0	86
2	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	50
3	2,2-Dimethyl-1-(2-vinylphenyl)pr...	188	C13H16O	1000210-99-9	46
4	p-Vinylbenzohydrazide	162	C9H10N2O	1000244-74-9	43
5	Oxalic acid, monoamide monohydra...	323	C18H17N3O3	1000294-01-4	43





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Quant Title : SVOA CALIBRATION

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

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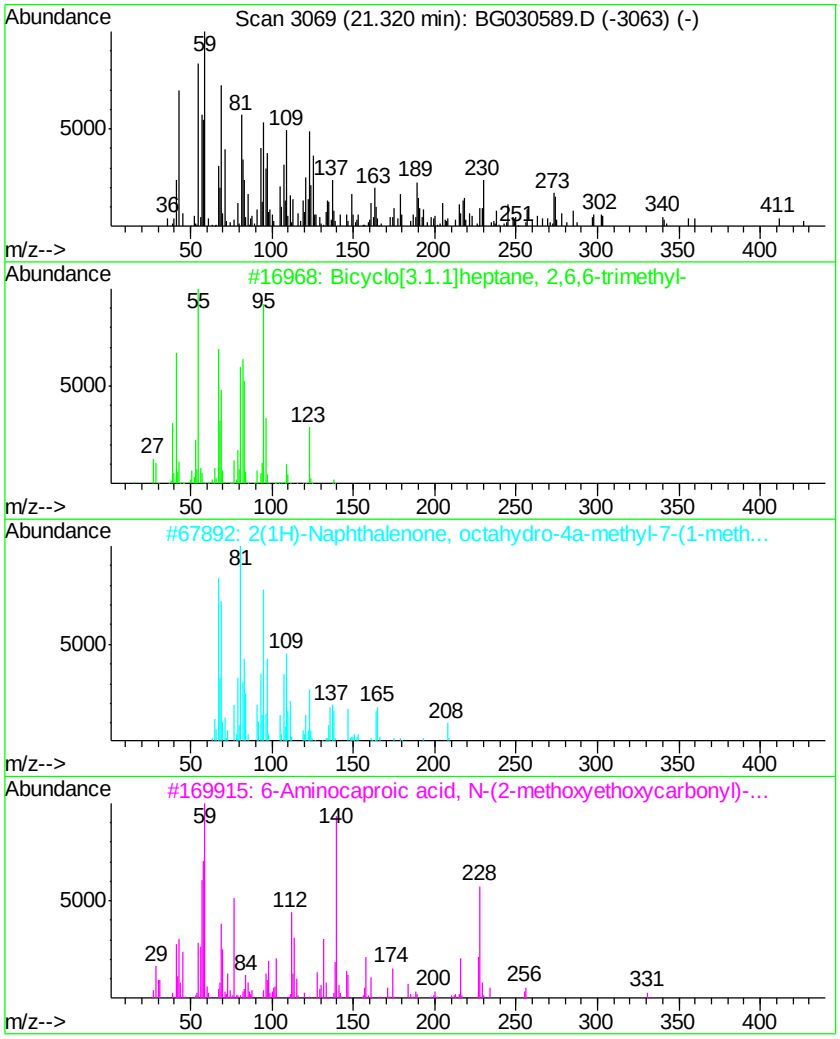
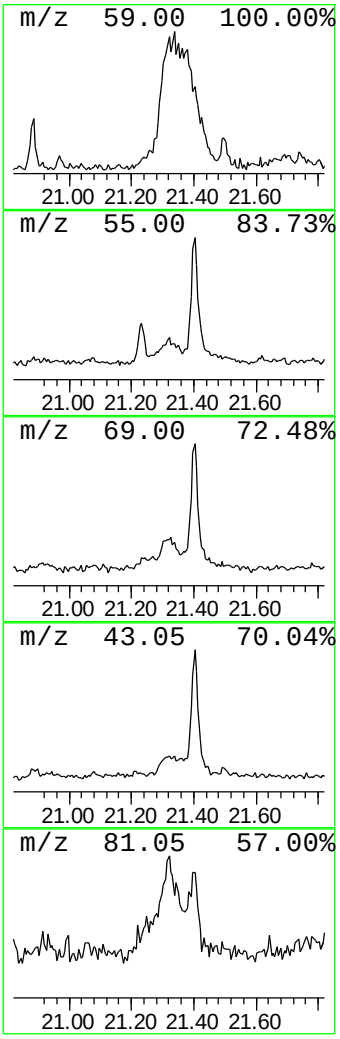
Peak Number 15 Bicyclo[3.1.1]heptane, 2,6,... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	2.58 ng/ul	255557	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	62
2	2(1H)-Naphthalenone, octahydro-4...	208	C14H24O	054594-42-2	45
3	6-Aminocaproic acid, N-(2-methox...	331	C17H33NO5	1000329-24-4	35
4	2-(3,4-Dibromo-4-methylcyclohexy...	312	C10H18Br2O	110202-13-6	27
5	Spiro[4.5]decan-7-one, 1,8-dimet...	236	C15H24O2	061050-91-7	18





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Quant Title : SVOA CALIBRATION

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

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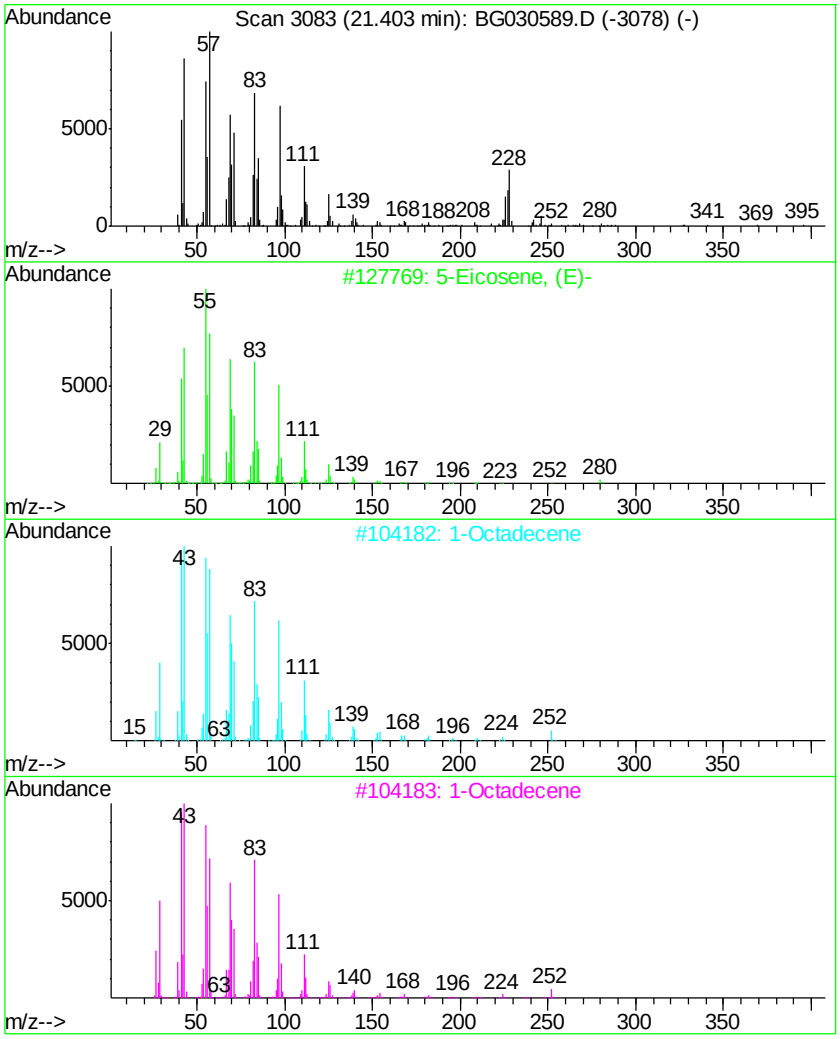
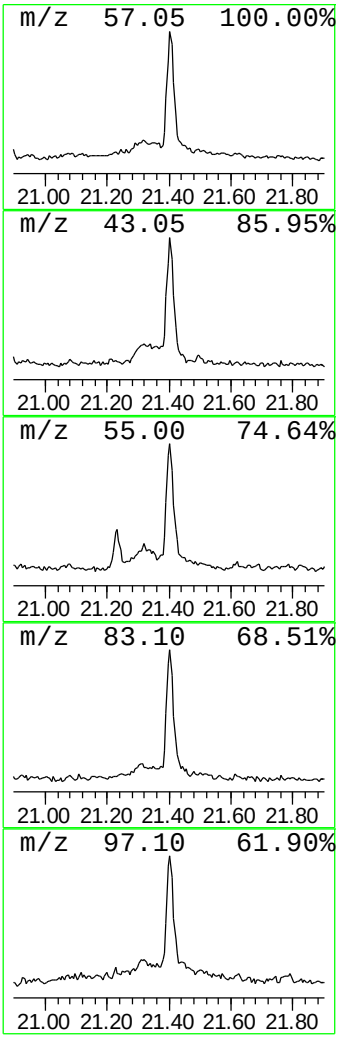
Peak Number 16 (DEL) Alkane: Cyclic21.40 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	5.17 ng/ul	511612	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	93
2	1-Octadecene	252	C18H36	000112-88-9	92
3	1-Octadecene	252	C18H36	000112-88-9	90
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	90
5	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	81





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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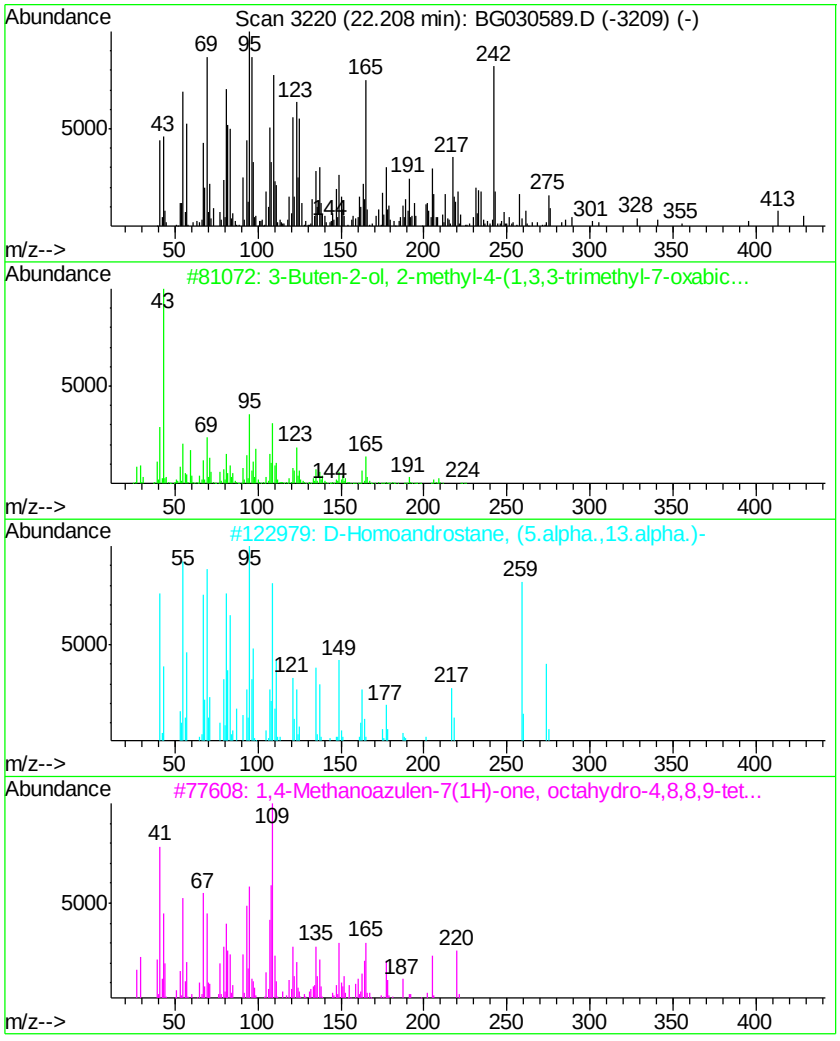
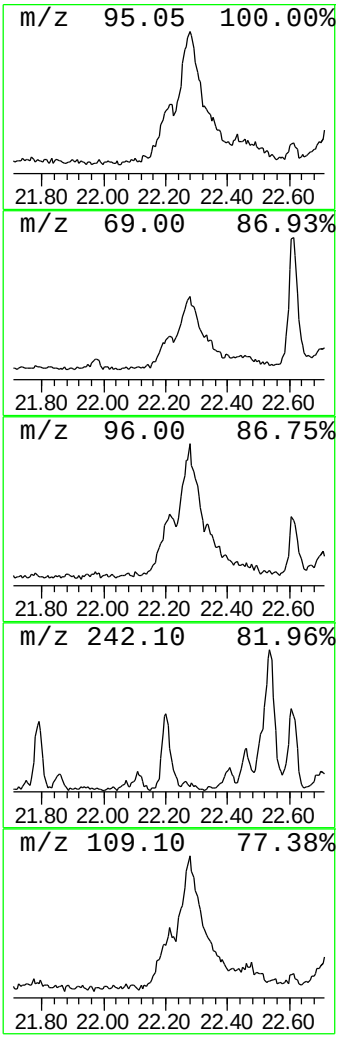
Peak Number 17 unknown-02 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.21	5.56 ng/ul	549840	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-4-(1,3,3-...	224	C14H24O2	072294-84-9	46
2	D-Homoandrostane, (5.alpha.,13.a...	274	C20H34	054482-31-4	42
3	1,4-Methanoazulen-7(1H)-one, oct...	220	C15H24O	018319-28-3	41
4	8-Dodecen-1-ol, acetate, (Z)-	226	C14H26O2	028079-04-1	35
5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	35





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Sample : I5842-20
Misc :
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Instrument : BNA_G
ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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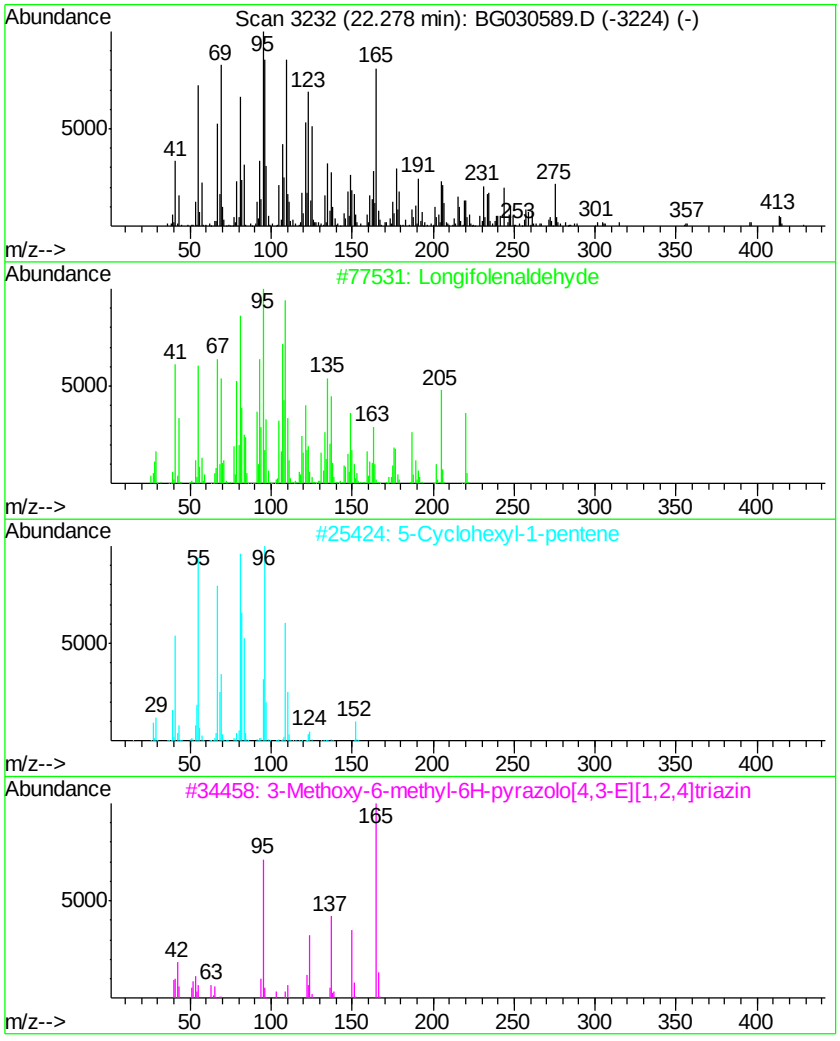
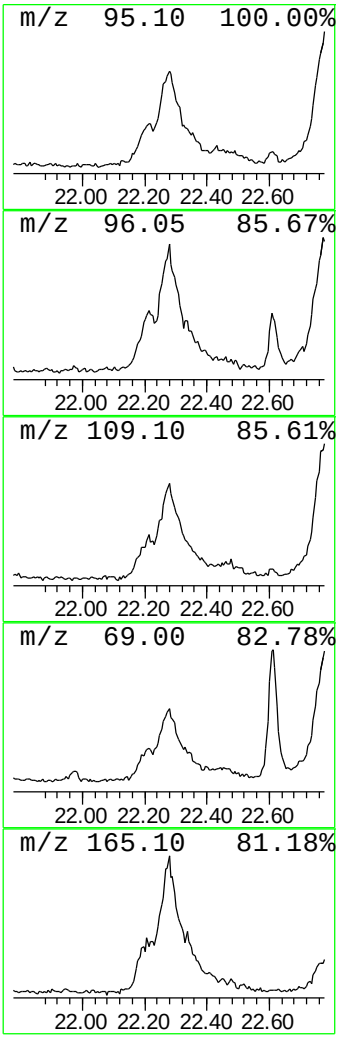
Peak Number 18 unknown-03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	16.31 ng/ul	1613510	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Longifolenaldehyde	220	C15H24O	019890-84-7	25
2	5-Cyclohexyl-1-pentene	152	C11H20	005729-54-4	25
3	3-Methoxy-6-methyl-6H-pyrazolo[4...	165	C6H7N5O	037526-57-1	25
4	1-Formyl-2,2,6-trimethyl-3-(3-me...	220	C15H24O	108287-18-9	25
5	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	25





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ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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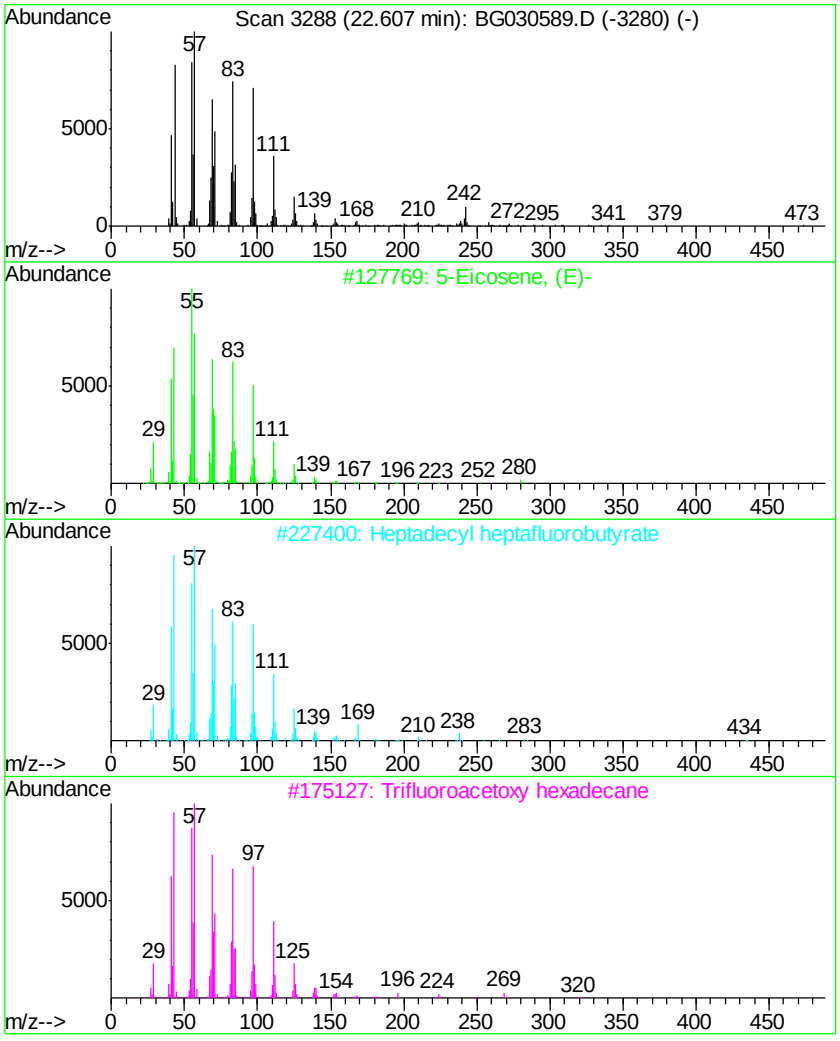
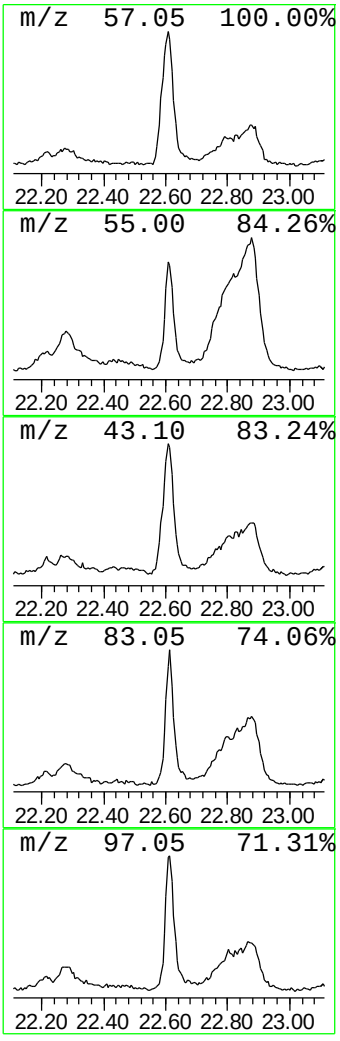
Peak Number 19 (DEL) Alkane: Cyclic22.61 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.61	10.51 ng/ul	1039590	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94





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Quant Title : SVOA CALIBRATION

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

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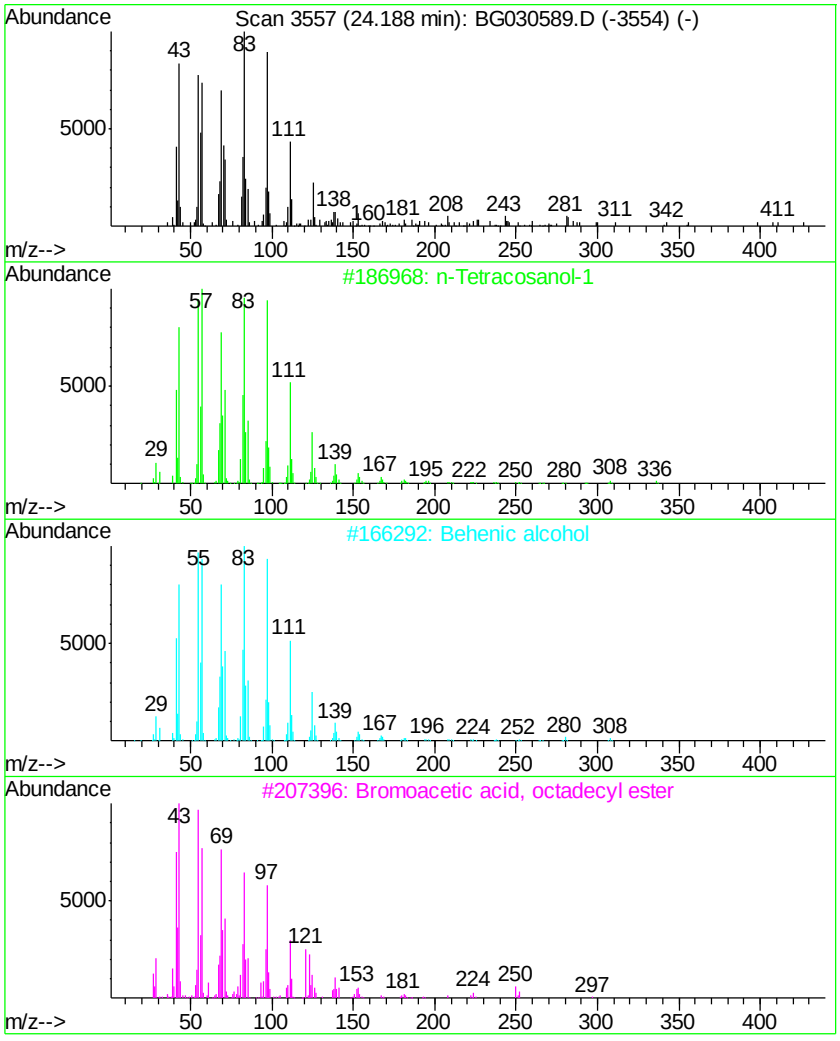
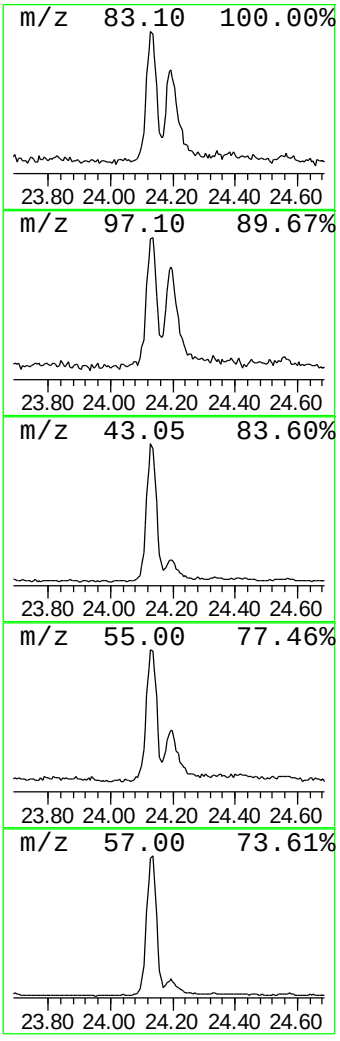
Peak Number 20 n-Tetracosanol-1 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.19	4.13 ng/ul	402772	Perylene-d12	25.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
2	Behenic alcohol	326	C22H46O	000661-19-8	91
3	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91
4	1-Heptacosanol	396	C27H56O	002004-39-9	91
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	86





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ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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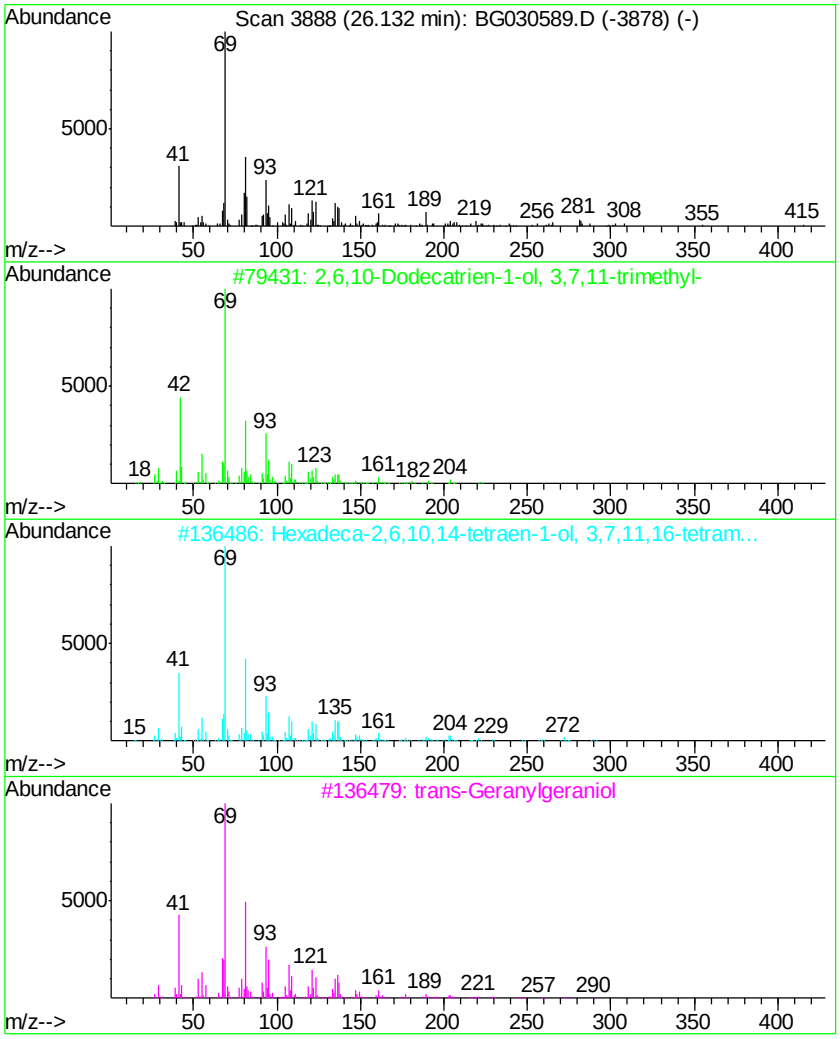
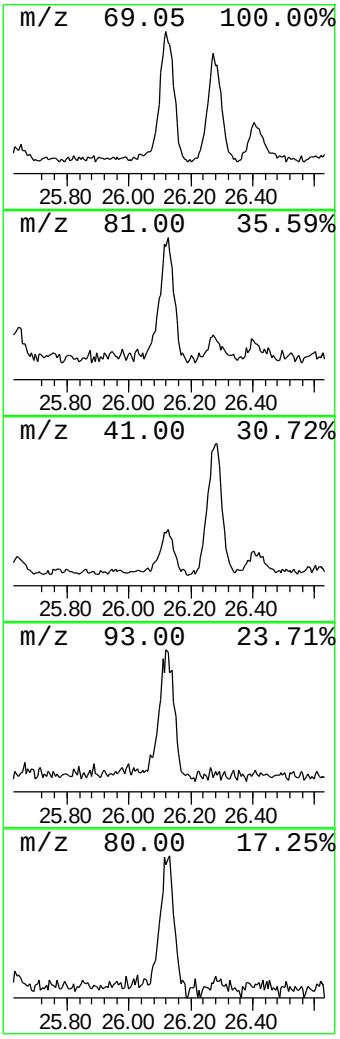
Peak Number 21 2,6,10-Dodecatrien-1-ol, 3,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.13	3.57 ng/ul	347814	Perylene-d12	25.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	87
2	Hexadeca-2,6,10,14-tetraen-1-ol,...	290	C20H34O	007614-21-3	87
3	trans-Geranylgeraniol	290	C20H34O	024034-73-9	83
4	trans-Geranylgeraniol	290	C20H34O	024034-73-9	83
5	3,7,11-Tridecatrienoic acid, 4,8...	264	C17H28O2	036237-70-4	80





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Quant Title : SVOA CALIBRATION

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

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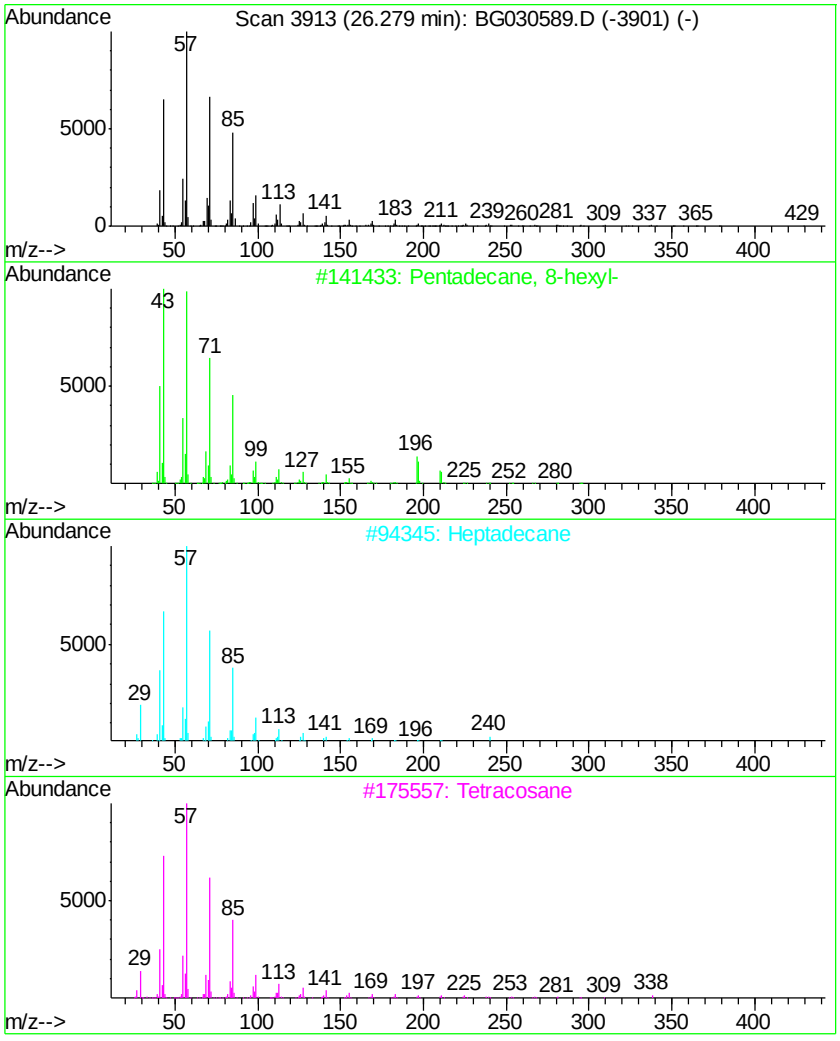
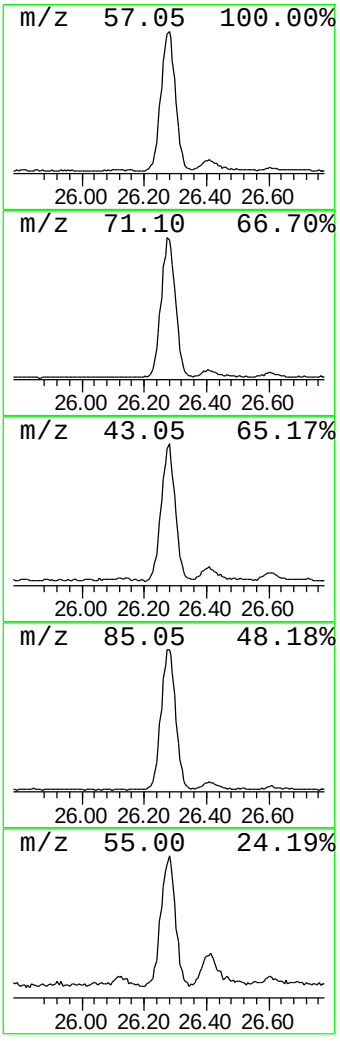
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.28	18.84 ng/ul	1836590	Perylene-d12	25.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
2	Heptadecane	240	C17H36	000629-78-7	93
3	Tetracosane	338	C24H50	000646-31-1	91
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	91
5	Hexacosane	366	C26H54	000630-01-3	91





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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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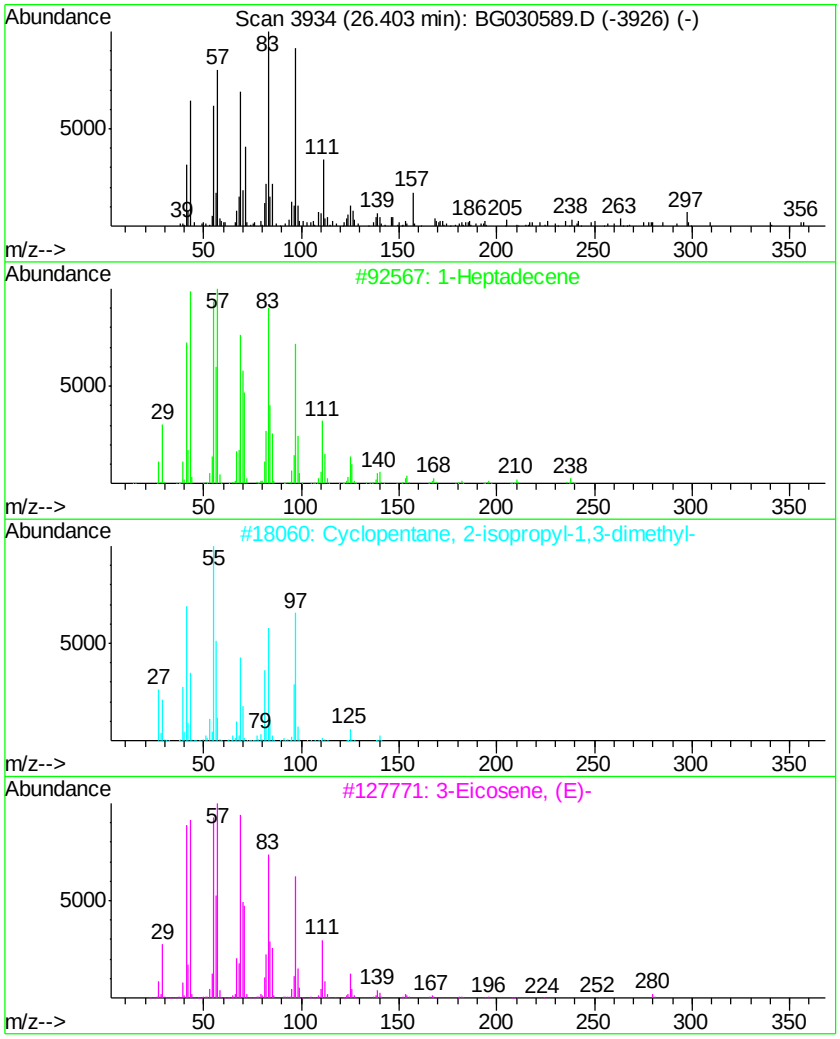
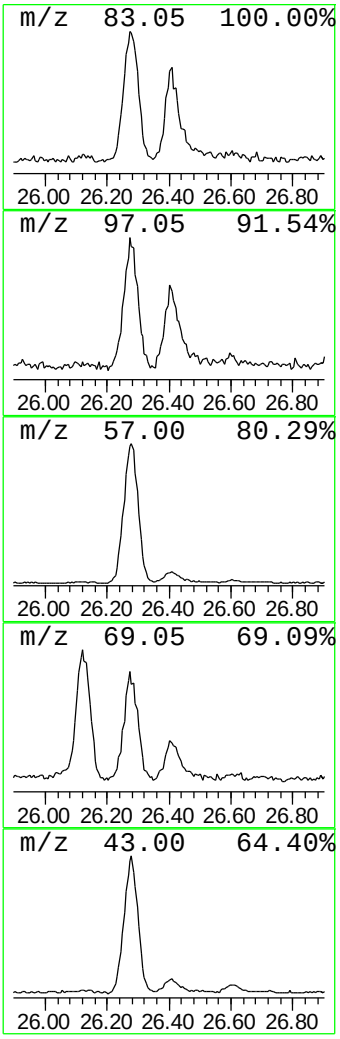
Peak Number 23 (DEL) Alkane: Cyclic26.40 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.40	3.04 ng/ul	295889	Perylene-d12	25.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptadecene	238	C17H34	006765-39-5	60
2	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	49
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	49
4	17-Pentatriacontene	491	C35H70	006971-40-0	43
5	Eicosyl heptafluorobutyrate	494	C24H41F7O2	1000351-83-5	43





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Instrument : BNA_G
ClientSampleId : C0AB9

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Quant Title : SVOA CALIBRATION

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

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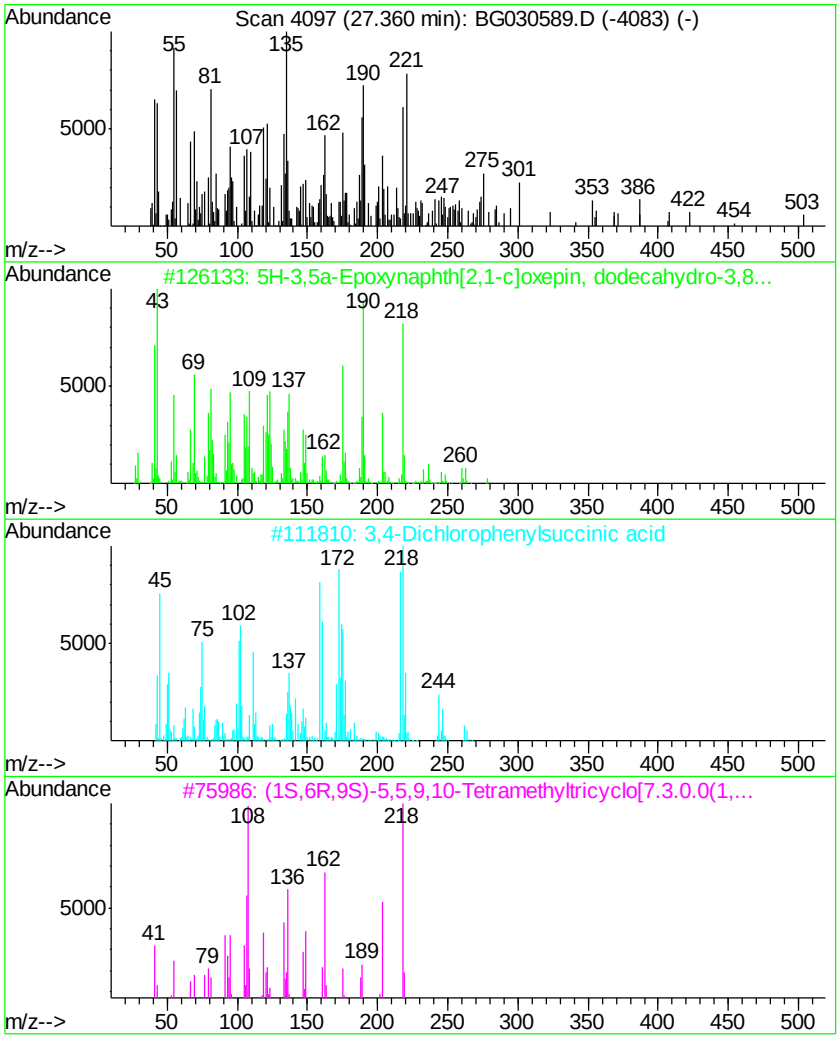
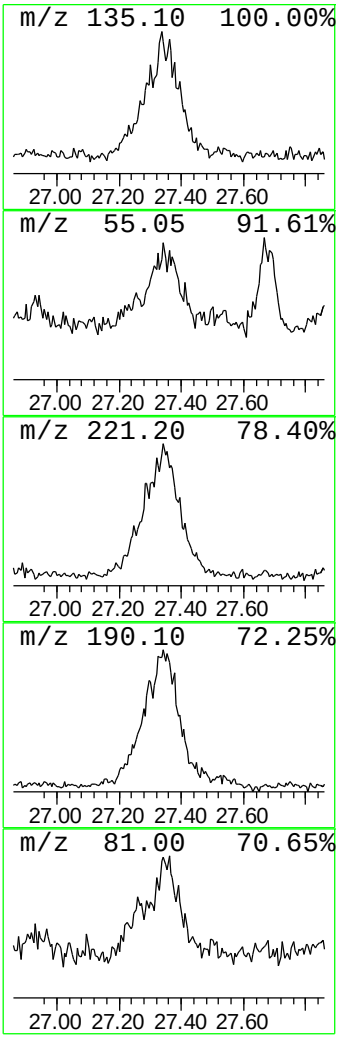
Peak Number 24 unknown-04 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.36	8.39 ng/ul	818208	Perylene-d12	25.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-3,5a-Epoxynaphth[2,1-c]oxepin...	278	C18H30O2	001153-34-0	30
2	3,4-Dichlorophenylsuccinic acid	262	C10H8Cl2O4	093553-81-2	25
3	(1S,6R,9S)-5,5,9,10-Tetramethylt...	218	C16H26	1000298-97-8	25
4	Dimethyl(1-phenylethyl)vinylsilane	190	C12H18Si	1000322-42-3	15
5	2-Heptanone, 6-methyl-6-[3-methy...	220	C15H24O	069296-87-3	15





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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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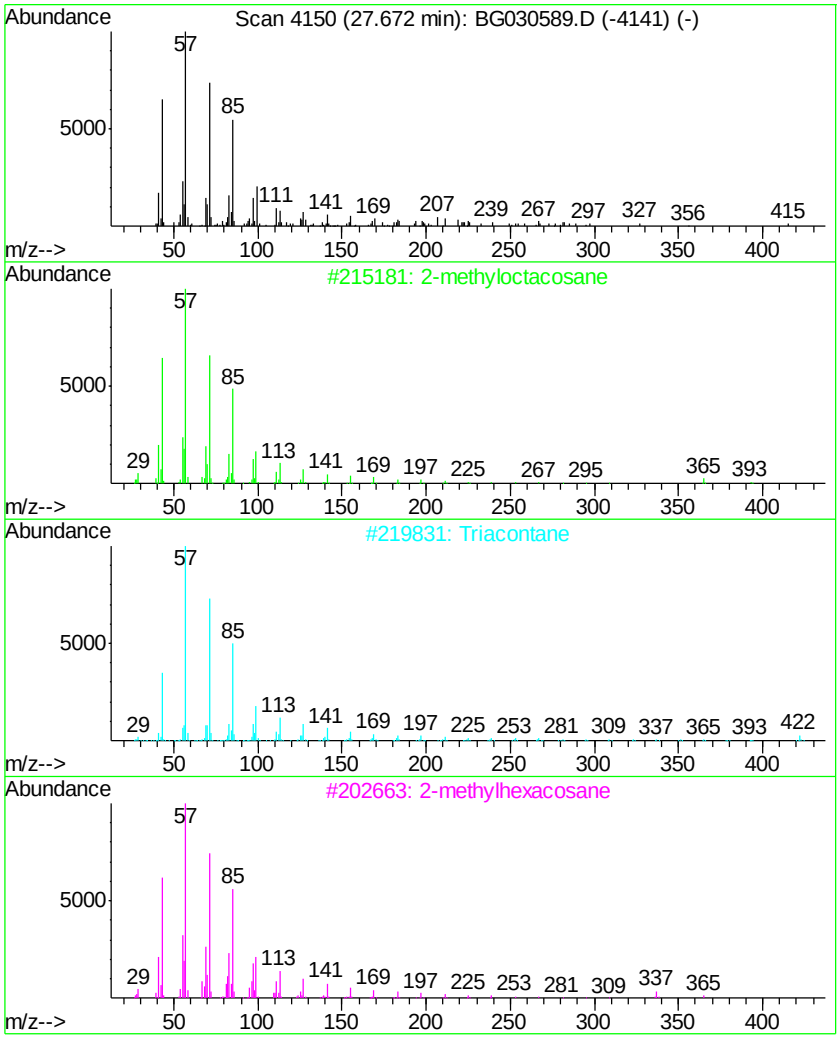
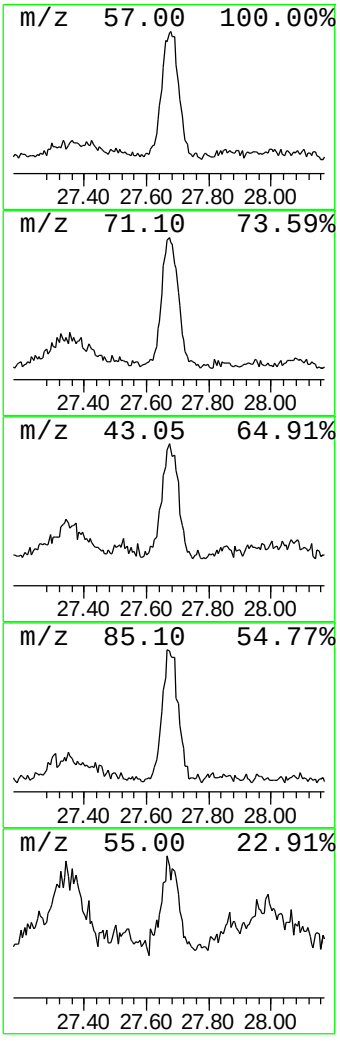
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.67	2.94 ng/ul	286270	Perylene-d12	25.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Triacontane	422	C30H62	000638-68-6	91
3	2-methylhexacosane	380	C27H56	1000376-72-7	90
4	Docosane, 11-decyl-	451	C32H66	055401-55-3	86
5	Eicosane	282	C20H42	000112-95-8	86





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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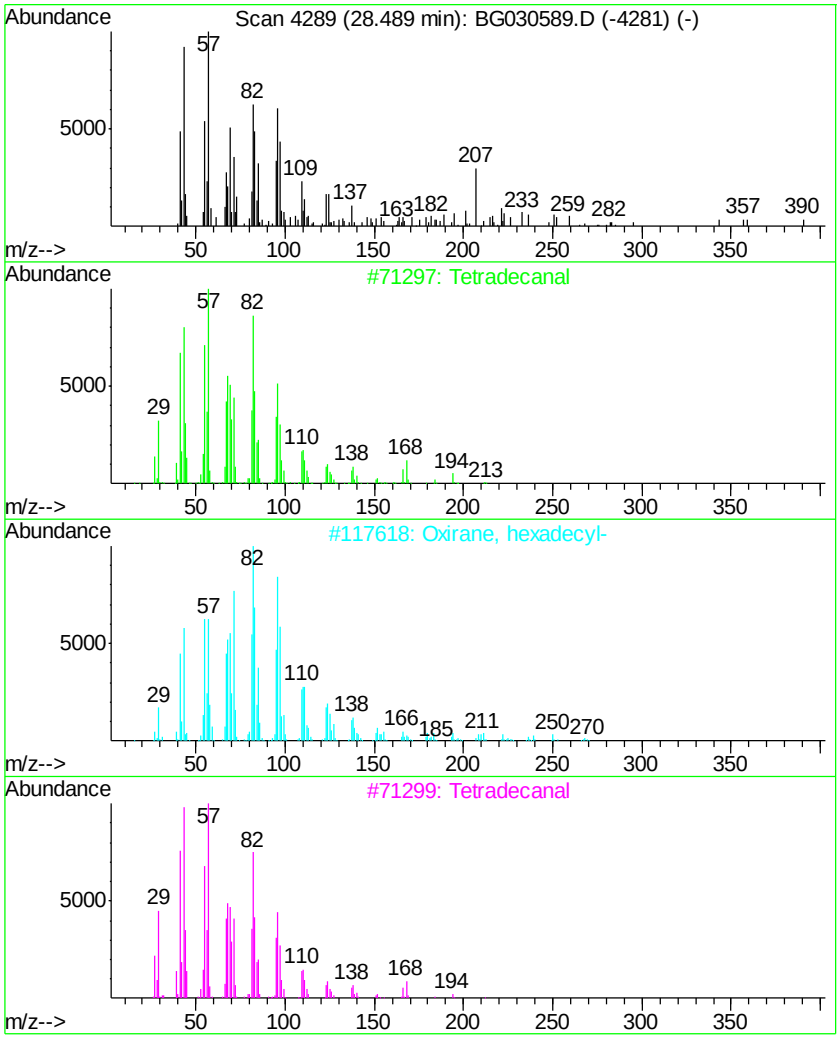
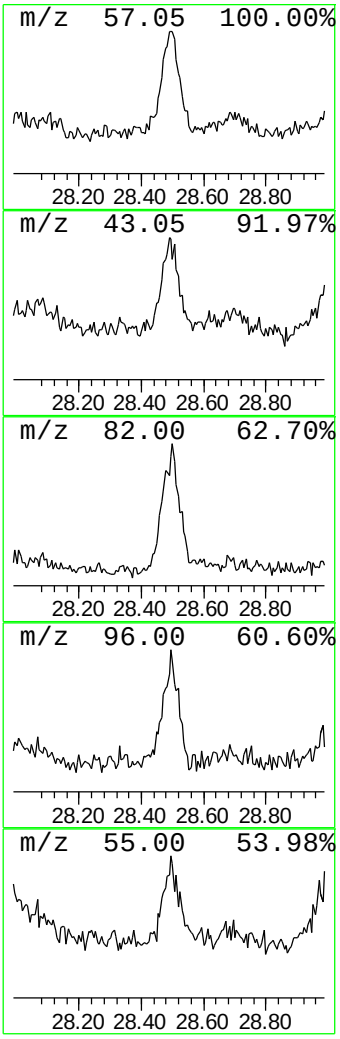
Peak Number 26 Tetradecanal Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.49	2.12 ng/ul	206231	Perylene-d12	25.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanal	212	C14H28O	000124-25-4	72
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	62
3	Tetradecanal	212	C14H28O	000124-25-4	58
4	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	53
5	Cyclohexane, (1-butylhexadecyl)-	364	C26H52	004443-59-8	53





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

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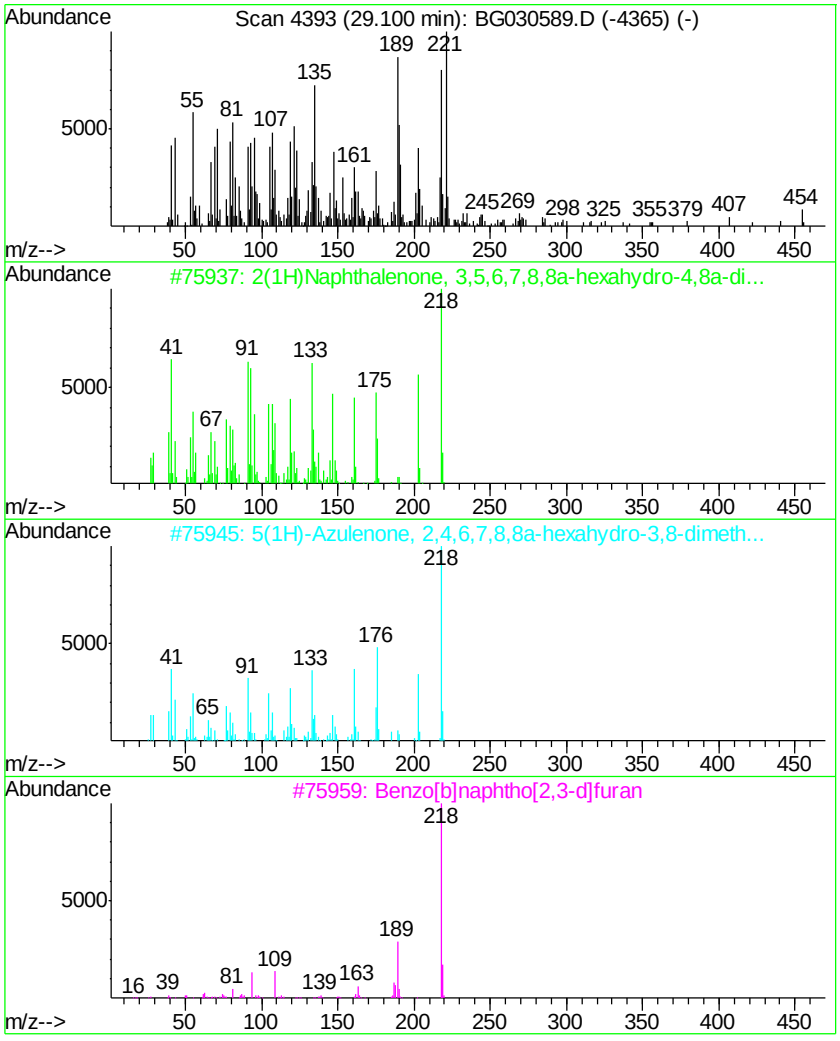
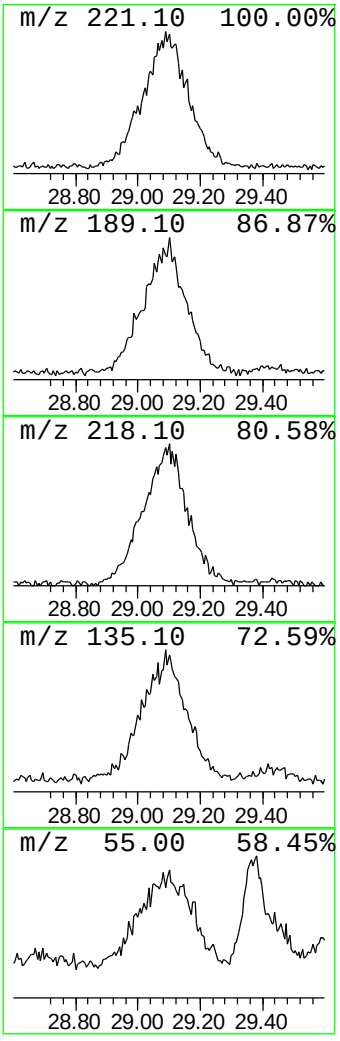
Peak Number 27 unknown-05 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.10	26.75 ng/ul	2607110	Perylene-d12	25.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	47
2	5(1H)-Azulenone, 2,4,6,7,8,8a-he...	218	C15H22O	006754-66-1	25
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	20
4	2H-Cyclopropa[a]naphthalen-2-one...	218	C15H22O	006831-17-0	20
5	Pyrene, hexadecahydro-	218	C16H26	002435-85-0	15





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Quant Title : SVOA CALIBRATION

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

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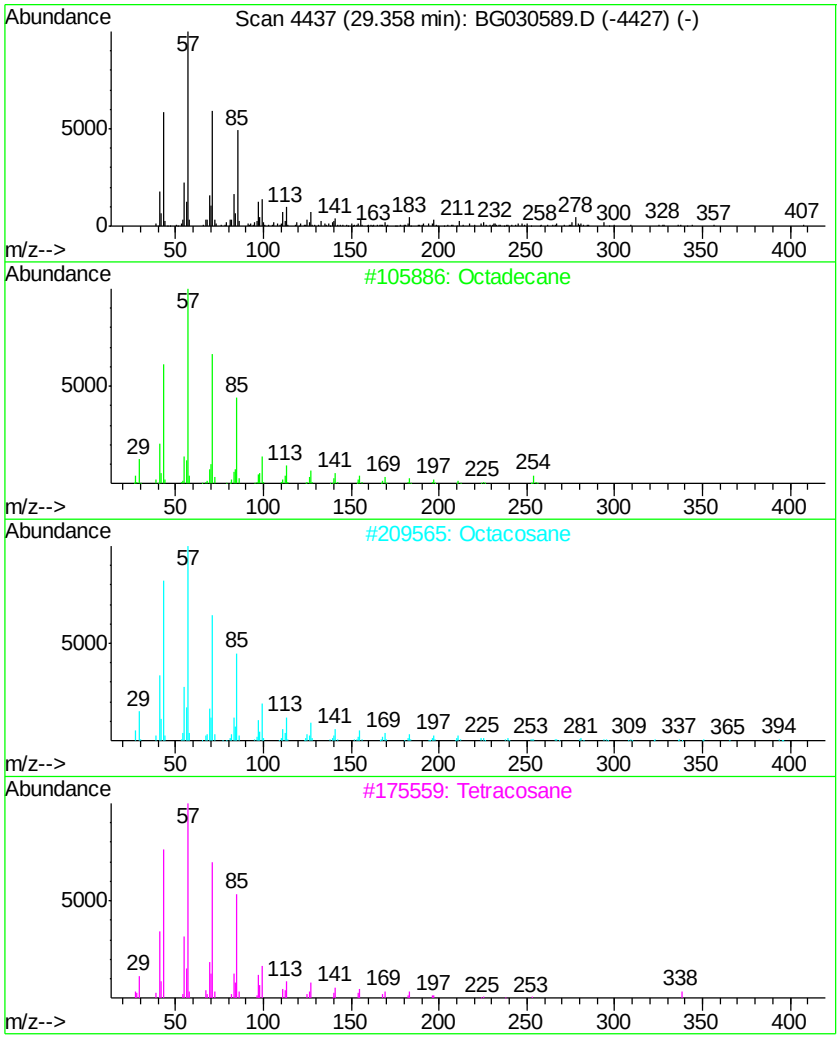
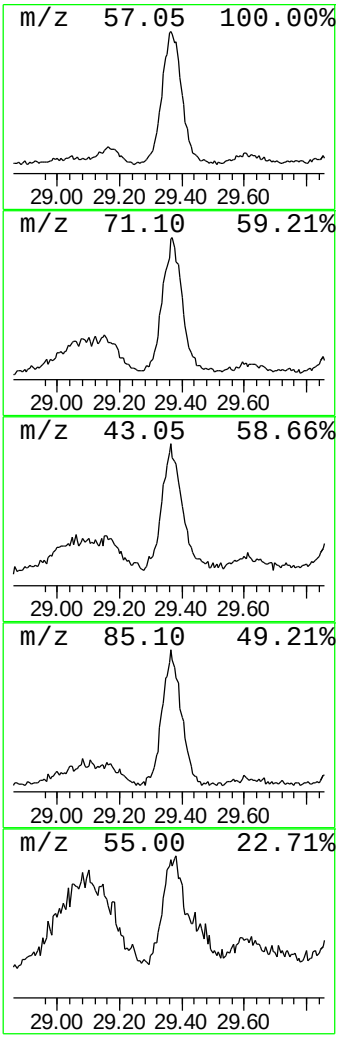
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.36	9.10 ng/ul	886625	Perylene-d12	25.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	92
2	Octacosane	394	C28H58	000630-02-4	90
3	Tetracosane	338	C24H50	000646-31-1	90
4	Nonacosane	408	C29H60	000630-03-5	90
5	Heneicosane	296	C21H44	000629-94-7	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG103017\
Data File : BG030589.D
Acq On : 30 Oct 2017 21:54
Operator : SJ/JU
Sample : I5842-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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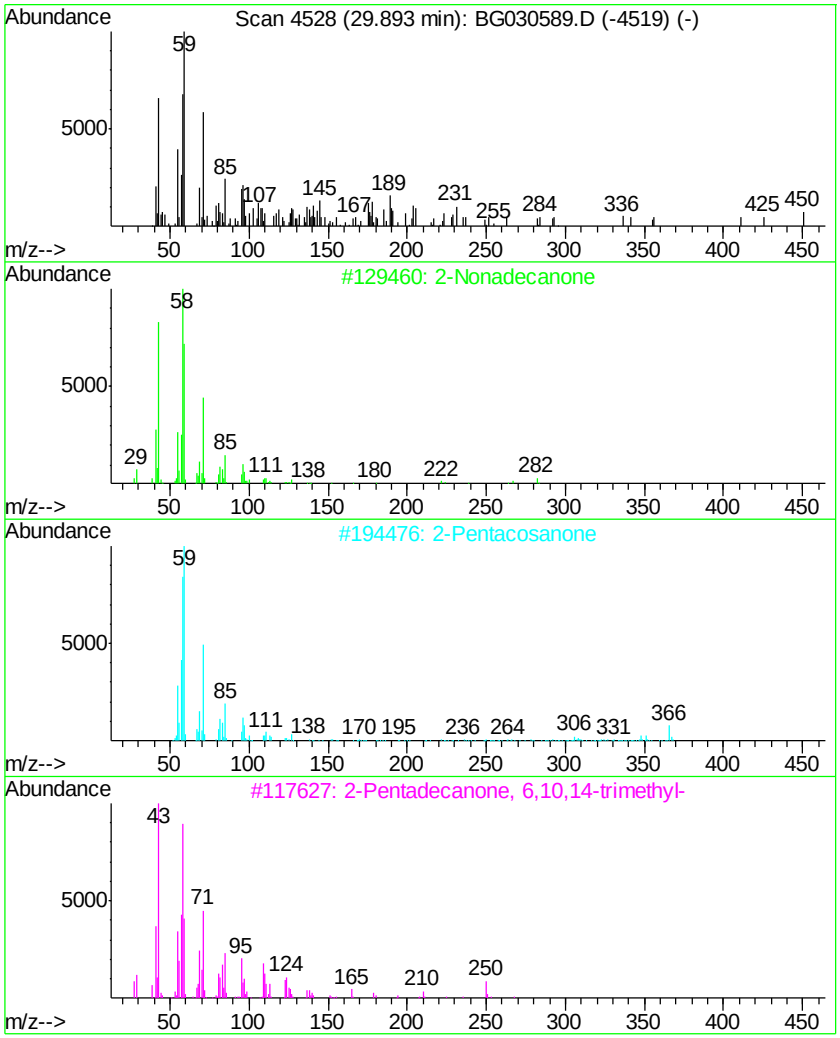
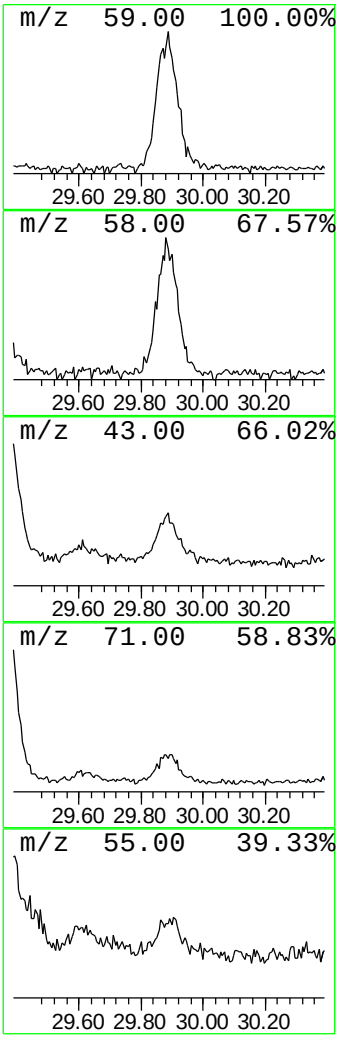
Peak Number 29 unknown-06 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.89	2.22 ng/ul	216622	Perylene-d12	25.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonadecanone	282	C19H38O	000629-66-3	47
2	2-Pentacosanone	366	C25H50O	075207-54-4	37
3	2-Pentadecanone, 6,10,14-trimethyl-	268	C18H36O	000502-69-2	35
4	2-Undecanone, 6,10-dimethyl-	198	C13H26O	001604-34-8	35
5	2H-Pyran-3-ol, tetrahydro-6-meth...	146	C7H14O3	021317-50-0	27





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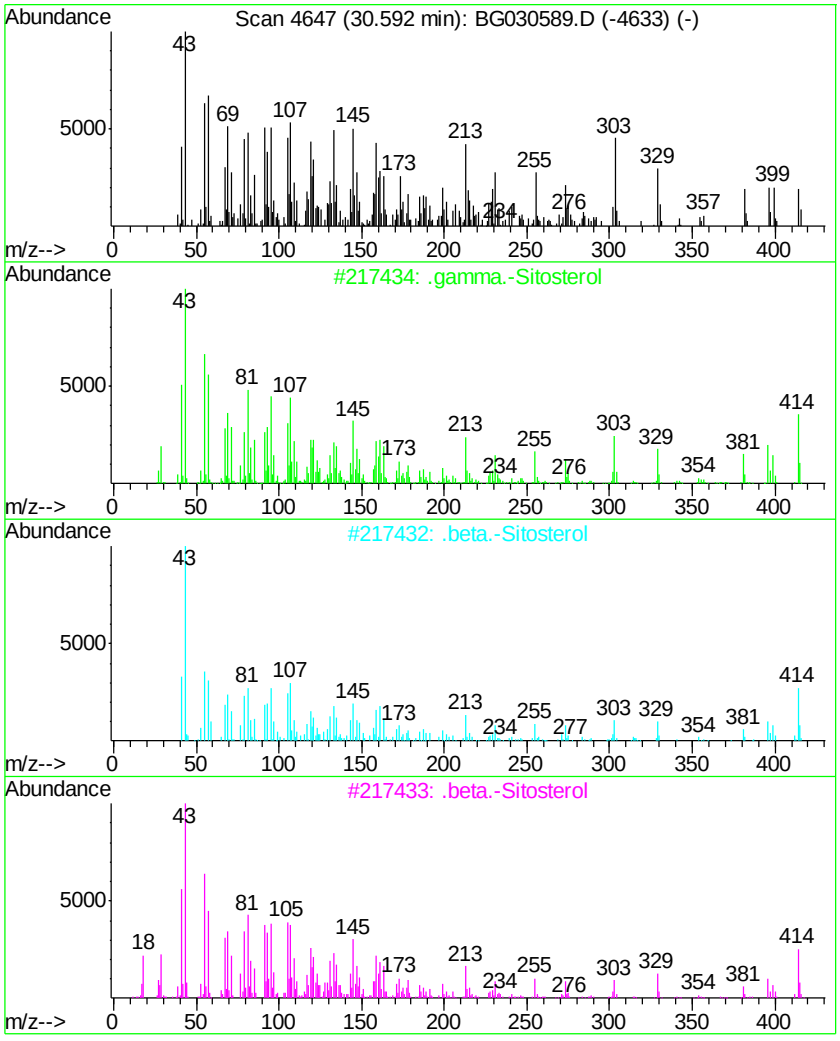
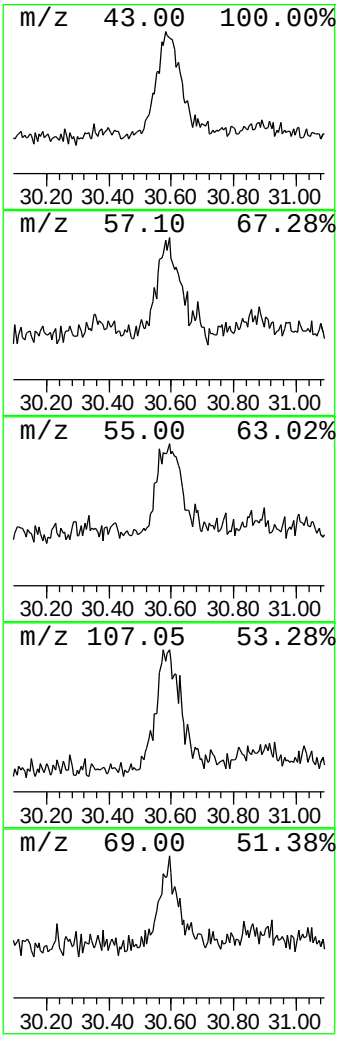
Peak Number 30 .gamma.-Sitosterol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.59	8.22 ng/ul	800798	Perylene-d12	25.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	95
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	35
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	30
4	5-Cholestene-3-ol, 24-methyl-	400	C28H48O	1000214-17-4	30
5	Cholest-5-ene, 3-ethoxy-, (3.bet...	414	C29H50O	000986-19-6	15





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Instrument : BNA_G
ClientSampleId : C0AB9

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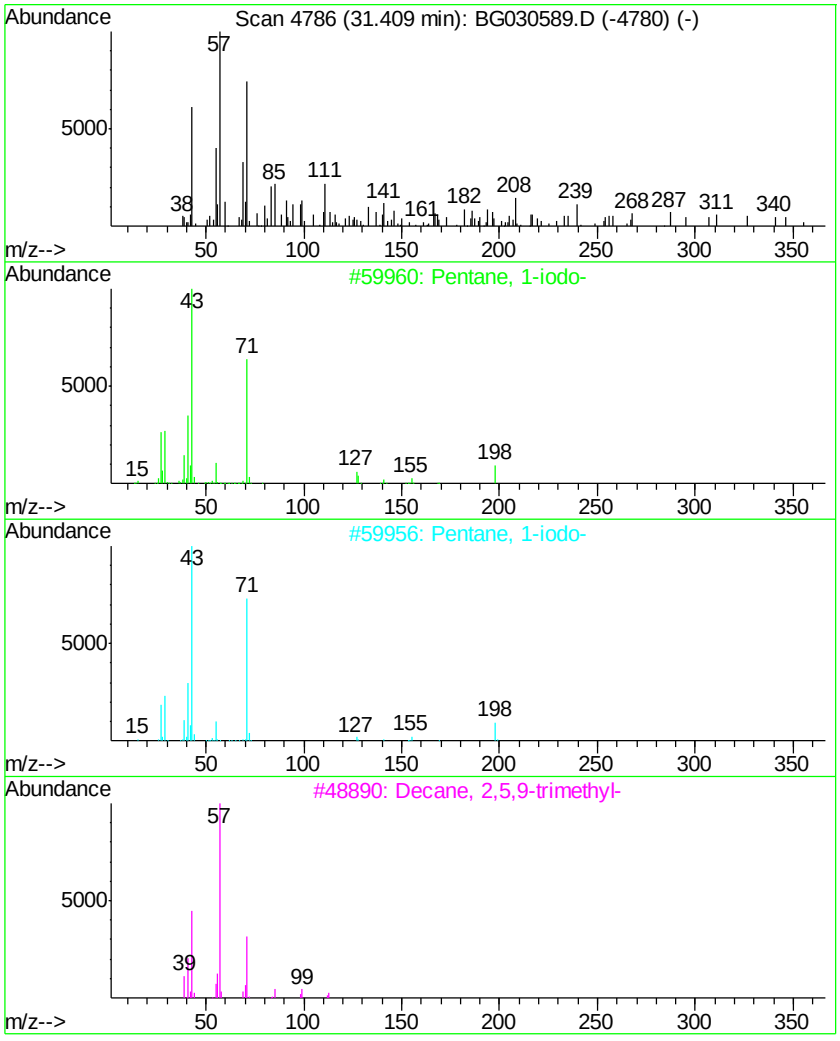
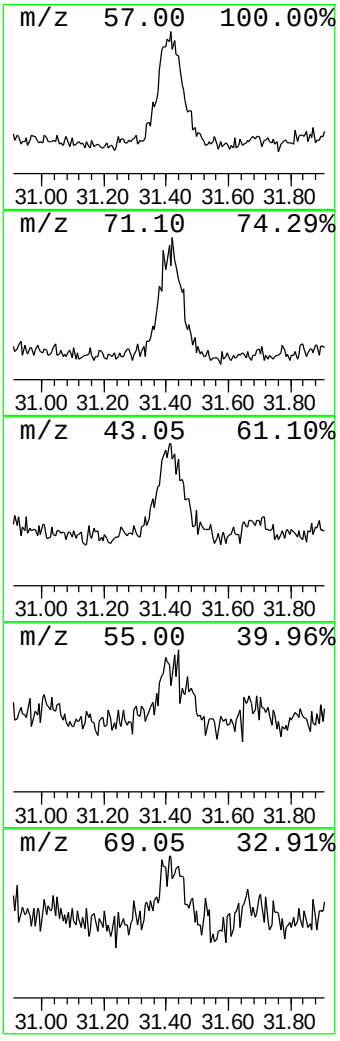
Peak Number 31 unknown-07 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.41	2.79 ng/ul	272331	Perylene-d12	25.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 1-iodo-	198	C5H11I	000628-17-1	30
2	Pentane, 1-iodo-	198	C5H11I	000628-17-1	27
3	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	27
4	Octyl thioglycolate	204	C10H20O2S	007664-80-4	27
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	27





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Hydroxy-iso-but...	12.27	2.8	ng/ul	108081	2	10.97	775050	20.0
1H-Cyclopenta[1,3...	13.66	2.2	ng/ul	127123	3	14.78	1169140	20.0
Caryophyllene	14.11	26.6	ng/ul	1556270	3	14.78	1169140	20.0
4-isopropyl-1,6-d...	15.08	2.2	ng/ul	127951	3	14.78	1169140	20.0
Benzophenone	16.12	8.7	ng/ul	508444	3	14.78	1169140	20.0
unknown-01	16.23	2.0	ng/ul	143689	4	17.51	1422720	20.0
1-Methyl-6-methyl...	16.46	3.6	ng/ul	259127	4	17.51	1422720	20.0
n-Hexadecanoic acid	18.38	3.6	ng/ul	253969	4	17.51	1422720	20.0
Cyclopenta(def)ph...	19.43	2.5	ng/ul	177809	4	17.51	1422720	20.0
Stigmast-4-en-3-one	19.64	13.0	ng/ul	921815	4	17.51	1422720	20.0
2-Propenoic acid,...	20.26	3.7	ng/ul	369315	5	21.79	1978420	20.0
Vinyl trans-cinna...	20.40	3.1	ng/ul	305096	5	21.79	1978420	20.0
2,3,4-Trifluorobe...	20.69	2.7	ng/ul	270349	5	21.79	1978420	20.0
Cinnamyl cinnamate	21.23	38.0	ng/ul	3755270	5	21.79	1978420	20.0
Bicyclo[3.1.1]hep...	21.32	2.6	ng/ul	255557	5	21.79	1978420	20.0
(DEL) Alkane: Cyc...	21.40	5.2	ng/ul	511612	5	21.79	1978420	20.0
unknown-02	22.21	5.6	ng/ul	549840	5	21.79	1978420	20.0
unknown-03	22.28	16.3	ng/ul	1613510	5	21.79	1978420	20.0
(DEL) Alkane: Cyc...	22.61	10.5	ng/ul	1039590	5	21.79	1978420	20.0
n-Tetracosanol-1	24.19	4.1	ng/ul	402772	6	25.10	1949460	20.0
2,6,10-Dodecatrie...	26.13	3.6	ng/ul	347814	6	25.10	1949460	20.0
(DEL) Alkane: Str...	26.28	18.8	ng/ul	1836590	6	25.10	1949460	20.0
(DEL) Alkane: Cyc...	26.40	3.0	ng/ul	295889	6	25.10	1949460	20.0
unknown-04	27.36	8.4	ng/ul	818208	6	25.10	1949460	20.0
(DEL) Alkane: Str...	27.67	2.9	ng/ul	286270	6	25.10	1949460	20.0
Tetradecanal	28.49	2.1	ng/ul	206231	6	25.10	1949460	20.0
unknown-05	29.10	26.8	ng/ul	2607110	6	25.10	1949460	20.0
(DEL) Alkane: Str...	29.36	9.1	ng/ul	886625	6	25.10	1949460	20.0
unknown-06	29.89	2.2	ng/ul	216622	6	25.10	1949460	20.0
.gamma.-Sitosterol	30.59	8.2	ng/ul	800798	6	25.10	1949460	20.0
unknown-07	31.41	2.8	ng/ul	272331	6	25.10	1949460	20.0