LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081017\
Data File : BG028276.D
Acq On : 11 Aug 2017 2:37
Operator : SJ/JU
Sample : I4504-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AG4

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-BG080217.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	3.848	40	44	53	rVB5	7164	14822	1.10%	0.092%
2	4.777	195	202	209	rBV6	3809	7657	0.57%	0.048%
3	5.458	313	318	324	rVB2	5676	9895	0.73%	0.061%
4	6.539	496	502	514	rVB7	4931	12618	0.94%	0.078%
5	6.886	552	561	568	rVB2	24027	40132	2.98%	0.249%
6	7.039	580	587	594	rVB2	42200	78964	5.86%	0.490%
7	7.344	631	639	649	rVB3	41528	74585	5.54%	0.463%
8	7.503	658	666	679	rVB	117349	241214	17.90%	1.497%
9	7.668	685	694	706	rBV	86609	149171	11.07%	0.926%
10	7.791	709	715	720	rBV4	6203	9477	0.70%	0.059%
11	7.885	723	731	746	rVB	115432	211300	15.68%	1.312%
12	8.355	800	811	823	rBV2	203423	361994	26.87%	2.247%
13	8.484	827	833	841	rVB3	9198	16618	1.23%	0.103%
14	8.561	841	846	854	rBV5	8525	16844	1.25%	0.105%
15	9.048	922	929	943	rBV	145903	276388	20.51%	1.716%
16	9.183	948	952	961	rVB5	4103	10649	0.79%	0.066%
17	9.524	1002	1010	1023	rBV	110336	214507	15.92%	1.331%
18	9.665	1029	1034	1039	rBV5	3858	6784	0.50%	0.042%
19	10.247	1125	1133	1143	rBV2	95215	182385	13.54%	1.132%
20	10.511	1170	1178	1183	rBV5	5307	14859	1.10%	0.092%
21	10.576	1183	1189	1199	rVB7	14460	34007	2.52%	0.211%
22	10.787	1216	1225	1242	rVV	149934	291153	21.61%	1.807%
23	10.934	1243	1250	1259	rVB3	8392	15786	1.17%	0.098%
24	11.175	1282	1291	1303	rVB	296507	573397	42.56%	3.559%
25	11.304	1303	1313	1326	rBV2	98547	218665	16.23%	1.357%
26	12.321	1479	1486	1491	rBV4	2798	6362	0.47%	0.039%
27	12.497	1508	1516	1525	rBV3	47712	83449	6.19%	0.518%
28	12.615	1532	1536	1544	rVB4	5799	10880	0.81%	0.068%
29	13.320	1649	1656	1661	rBV5	3427	5381	0.40%	0.033%
30	13.555	1691	1696	1702	rBV3	4297	7504	0.56%	0.047%
31	14.277	1813	1819	1825	rVB3	23842	32398	2.40%	0.201%
32	14.348	1825	1831	1835	rVV	318761	458491	34.03%	2.846%
33	14.395	1835	1839	1849	rVB	140527	207737	15.42%	1.289%
34	14.653	1872	1883	1895	rBV	324052	537719	39.91%	3.338%

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Misc :
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Instrument : BNA_G
ClientSampleId : C0AG4

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

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Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

35	14.959	1927	1935	1950	rVB2	529965	869072	64.50%	5.394%
36	15.153	1961	1968	1984	rBV3	58452	155464	11.54%	0.965%
37	15.353	1993	2002	2008	rVV7	8146	19981	1.48%	0.124%
38	15.717	2061	2064	2067	rBV2	3841	5197	0.39%	0.032%
39	15.764	2067	2072	2077	rVB4	6563	10529	0.78%	0.065%
40	15.946	2094	2103	2110	rBV	435738	683364	50.72%	4.242%
41	15.999	2110	2112	2116	rVV2	4783	6948	0.52%	0.043%
42	16.058	2116	2122	2130	rVV	111837	171676	12.74%	1.066%
43	16.187	2136	2144	2150	rVB6	8132	17254	1.28%	0.107%
44	16.633	2211	2220	2232	rVV3	27975	60024	4.46%	0.373%
45	16.822	2248	2252	2262	rVB6	2236	5881	0.44%	0.037%
46	17.074	2290	2295	2301	rBV6	4720	8805	0.65%	0.055%
47	17.415	2350	2353	2357	rBV3	6663	8211	0.61%	0.051%
48	17.503	2360	2368	2370	rBV6	3136	6353	0.47%	0.039%
49	17.709	2393	2403	2408	rBV	687333	1077955	80.01%	6.691%
50	17.809	2414	2420	2429	rVV2	436296	701170	52.04%	4.352%
51	17.879	2429	2432	2437	rVB4	11463	16700	1.24%	0.104%
52	18.020	2454	2456	2463	rBV4	3605	5598	0.42%	0.035%
53	18.343	2504	2511	2522	rVB4	31820	51947	3.86%	0.322%
54	18.443	2522	2528	2533	rBV8	4447	10376	0.77%	0.064%
55	18.561	2542	2548	2556	rBV2	112400	213437	15.84%	1.325%
56	18.619	2556	2558	2568	rVB6	15041	29416	2.18%	0.183%
57	18.778	2579	2585	2594	rBV8	10012	21641	1.61%	0.134%
58	18.937	2606	2612	2616	rBV4	4432	10418	0.77%	0.065%
59	19.066	2631	2634	2640	rBV6	5450	10354	0.77%	0.064%
60	19.213	2654	2659	2664	rBV5	4434	8913	0.66%	0.055%
61	19.295	2669	2673	2677	rBV6	4416	6683	0.50%	0.041%
62	19.354	2681	2683	2688	rVB6	5053	5810	0.43%	0.036%
63	19.407	2688	2692	2694	rBV4	5380	7177	0.53%	0.045%
64	19.495	2697	2707	2716	rBV2	278694	378176	28.07%	2.347%
65	19.624	2724	2729	2733	rBV6	6039	13701	1.02%	0.085%
66	19.683	2734	2739	2740	rBV4	14669	22246	1.65%	0.138%
67	19.742	2745	2749	2756	rVB2	67868	106659	7.92%	0.662%
68	19.818	2756	2762	2775	rBV2	137665	246680	18.31%	1.531%
69	19.953	2778	2785	2795	rVB5	38955	83174	6.17%	0.516%
70	20.076	2800	2806	2817	rBV	555787	929280	68.97%	5.768%
71	20.288	2837	2842	2845	rVB7	7009	9353	0.69%	0.058%

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Misc :
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Instrument : BNA_G
ClientSampleId : C0AG4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	20.558	2883	2888	2892	rBV2	32259	45289	3.36%	0.281%
73	20.693	2908	2911	2915	rVV4	8919	12758	0.95%	0.079%
74	20.740	2915	2919	2927	rVB9	23163	39862	2.96%	0.247%
75	20.905	2942	2947	2948	rBV5	6858	10989	0.82%	0.068%
76	20.946	2949	2954	2960	rVV9	11798	22731	1.69%	0.141%
77	20.999	2960	2963	2967	rBV2	39512	45756	3.40%	0.284%
78	21.069	2972	2975	2978	rVB4	16611	20906	1.55%	0.130%
79	21.375	3025	3027	3045	rVB4	17413	52517	3.90%	0.326%
80	21.604	3060	3066	3077	rBV3	70772	146880	10.90%	0.912%
81	21.692	3077	3081	3087	rVB8	24648	44050	3.27%	0.273%
82	21.869	3106	3111	3116	rVB9	20694	35707	2.65%	0.222%
83	22.039	3131	3140	3159	rVB	680342	1347315	100.00%	8.363%
84	22.339	3186	3191	3197	rBV9	11176	20656	1.53%	0.128%
85	22.838	3269	3276	3281	rBV3	58064	120750	8.96%	0.749%
86	23.584	3398	3403	3411	rVB4	19586	40122	2.98%	0.249%
87	23.807	3437	3441	3452	rVB4	14968	37825	2.81%	0.235%
88	24.460	3537	3552	3562	rBV5	55013	183824	13.64%	1.141%
89	25.218	3671	3681	3683	rBV5	15002	41403	3.07%	0.257%
90	25.294	3683	3694	3714	rVB2	257254	811201	60.21%	5.035%
91	25.541	3720	3736	3756	rVB2	379392	1317813	97.81%	8.180%
92	26.581	3911	3913	3915	rBV2	6617	5800	0.43%	0.036%
93	26.716	3927	3936	3949	rVB2	48625	162665	12.07%	1.010%
94	26.857	3949	3960	3978	rBV4	149158	537115	39.87%	3.334%
95	28.196	4178	4188	4205	rVB5	38863	152218	11.30%	0.945%
96	28.931	4300	4313	4317	rBV5	12909	55093	4.09%	0.342%
97	29.507	4409	4411	4415	rBV5	6214	7370	0.55%	0.046%
98	29.965	4477	4489	4505	rBV7	29978	155055	11.51%	0.962%
99	31.293	4699	4715	4717	rBV7	28293	111922	8.31%	0.695%
100	32.121	4847	4856	4869	rVB7	24052	95806	7.11%	0.595%

Sum of corrected areas: 16110813

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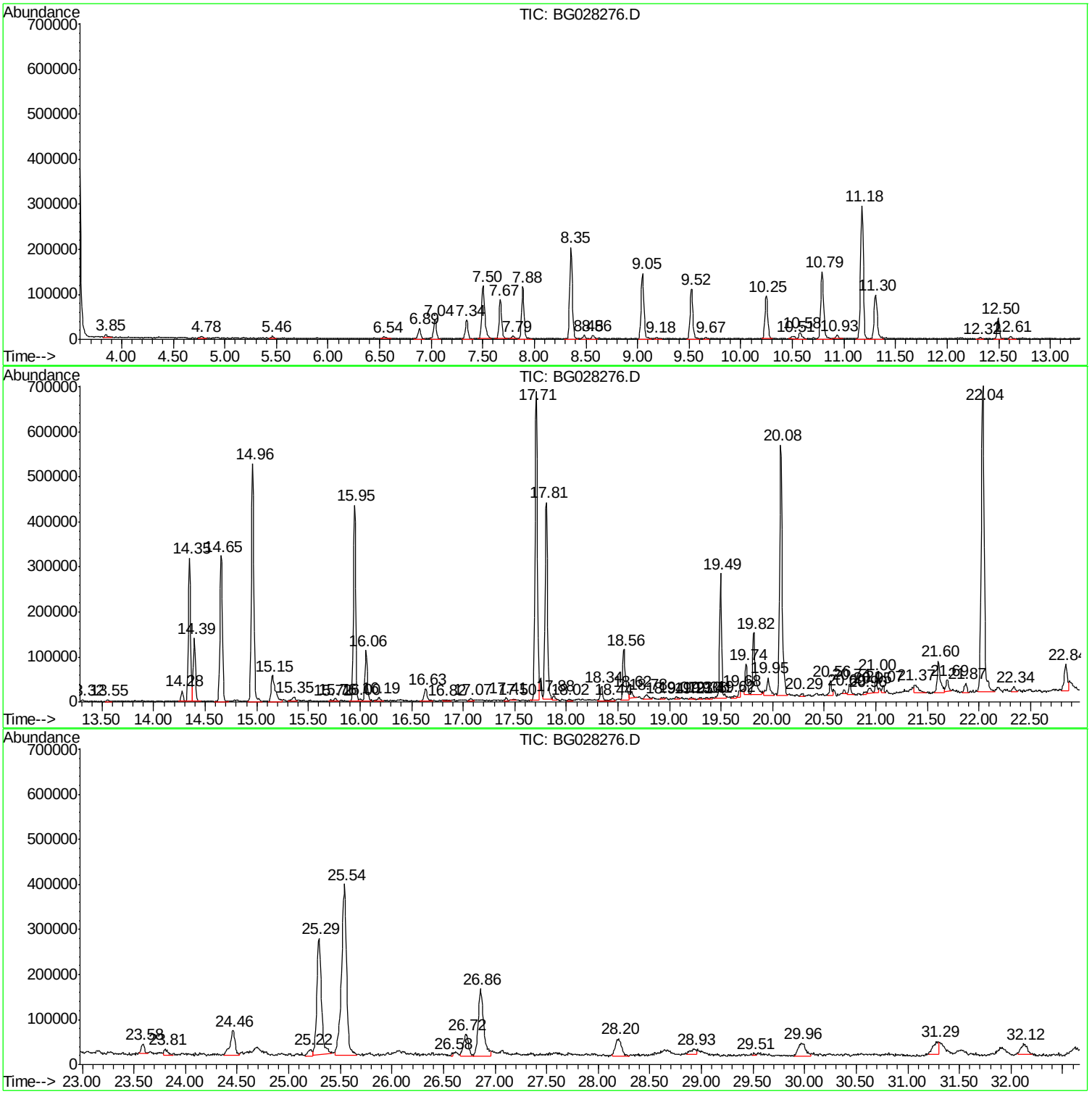
Instrument : BNA_G
ClientSampleId : C0AG4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

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

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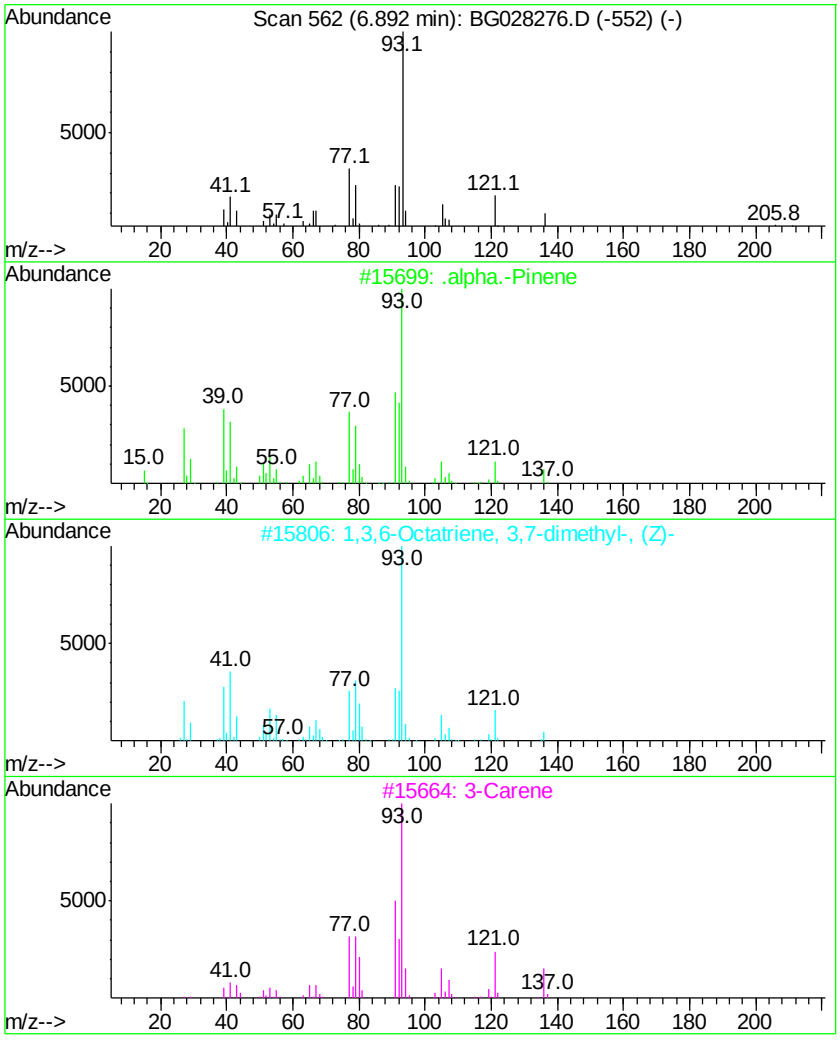
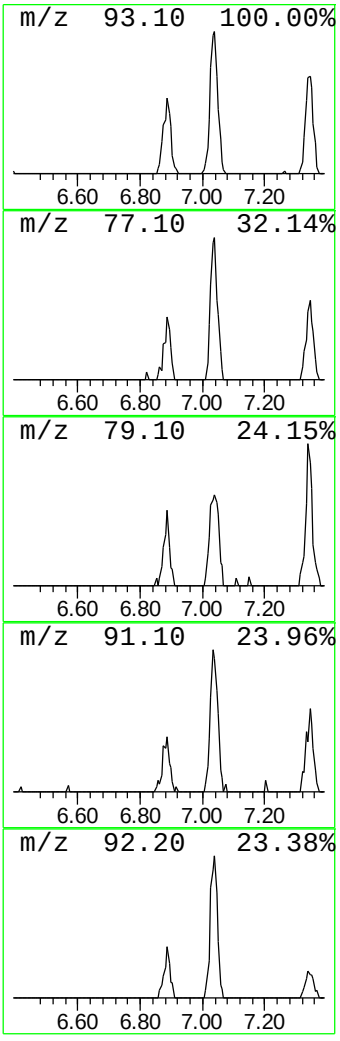
Peak Number 1 .alpha.-Pinene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	2.22 ng/ul	40132	1,4-Dichlorobenzene-d4	8.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	91
2	1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	91
3	3-Carene	136	C10H16	013466-78-9	91
4	(+)-4-Carene	136	C10H16	029050-33-7	91
5	1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081017\
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Acq On : 11 Aug 2017 2:37
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Sample : I4504-10
Misc :
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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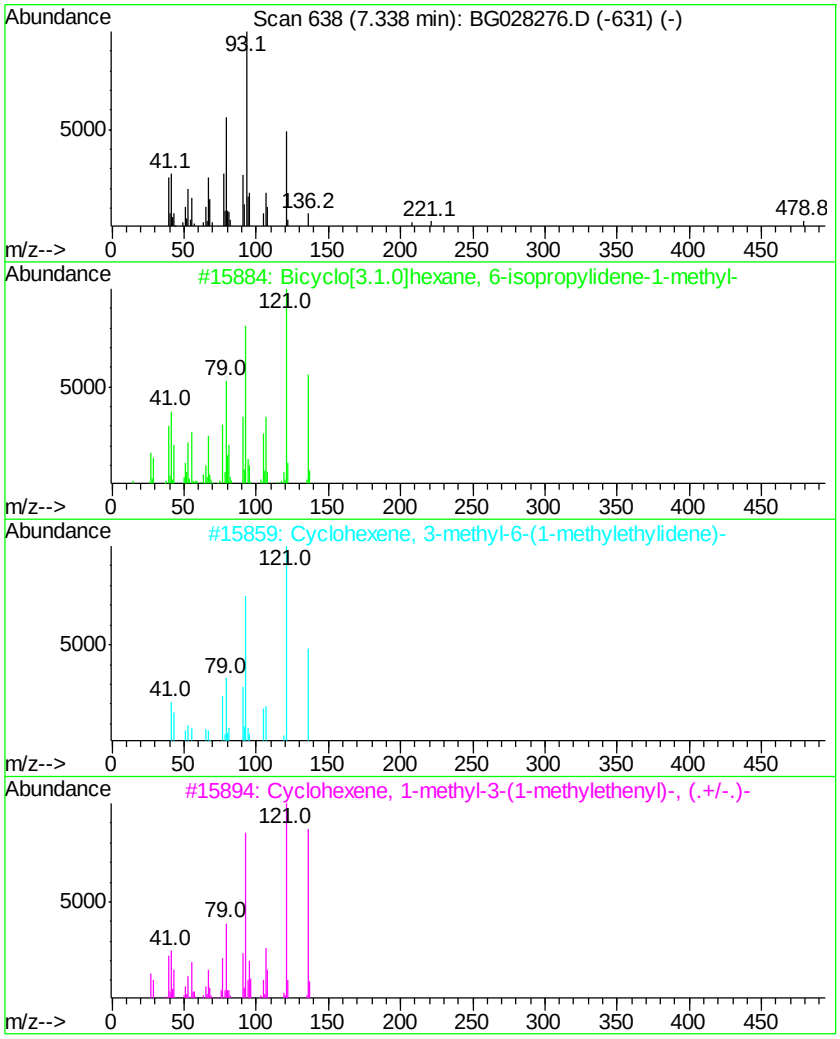
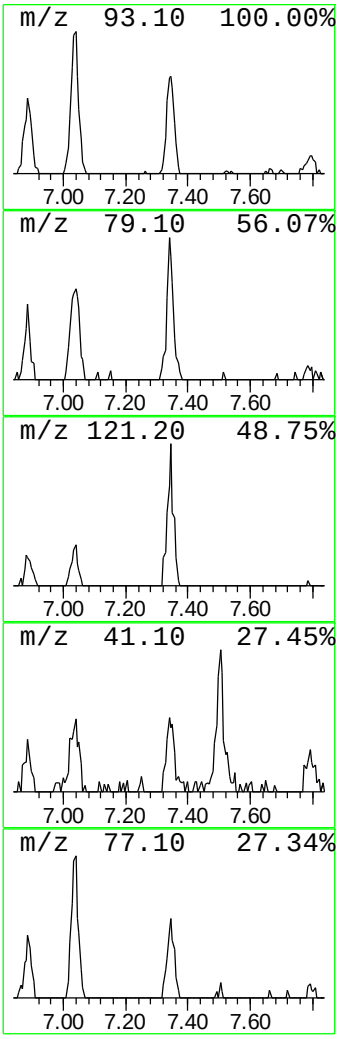
****

Peak Number 3 Bicyclo[3.1.0]hexane, 6-iso... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.34	4.12 ng/ul	74585	1,4-Dichlorobenzene-d4	8.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hexane, 6-isopropy...	136	C10H16	024524-57-0	87
2	Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	000586-63-0	80
3	Cyclohexene, 1-methyl-3-(1-methy...	136	C10H16	000499-03-6	72
4	1,3,7-Octatriene, 3,7-dimethyl-	136	C10H16	000502-99-8	64
5	.beta.-Pinene	136	C10H16	000127-91-3	64





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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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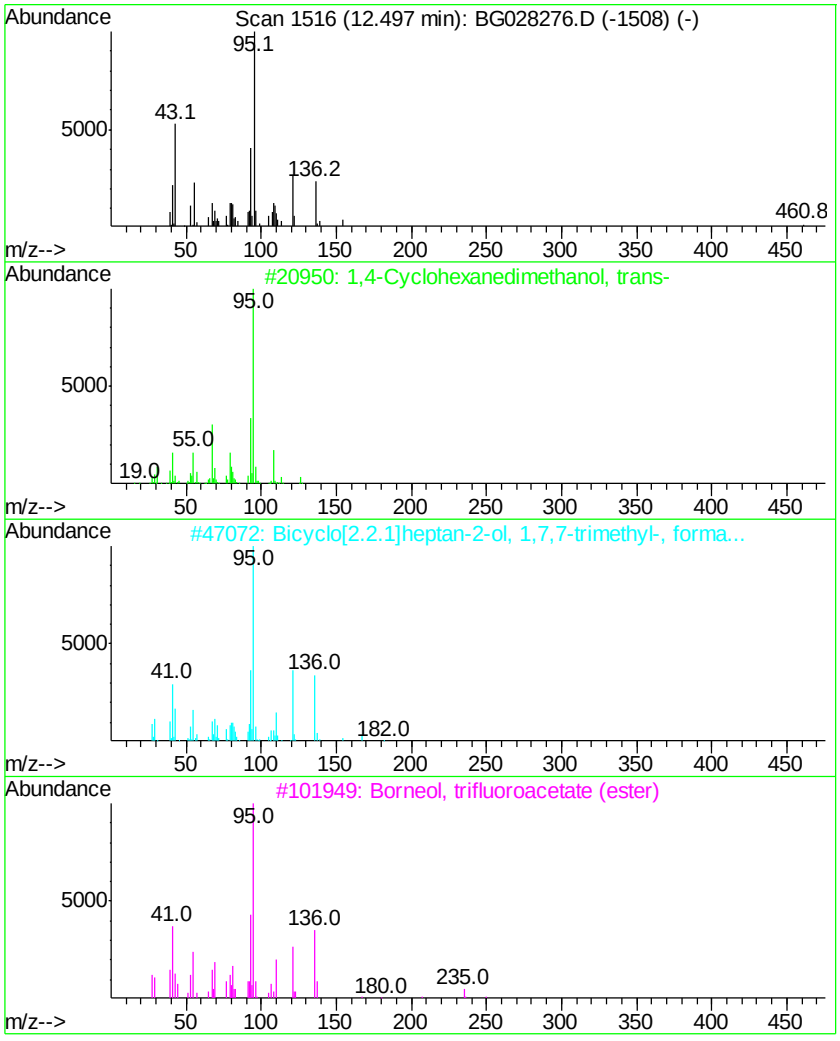
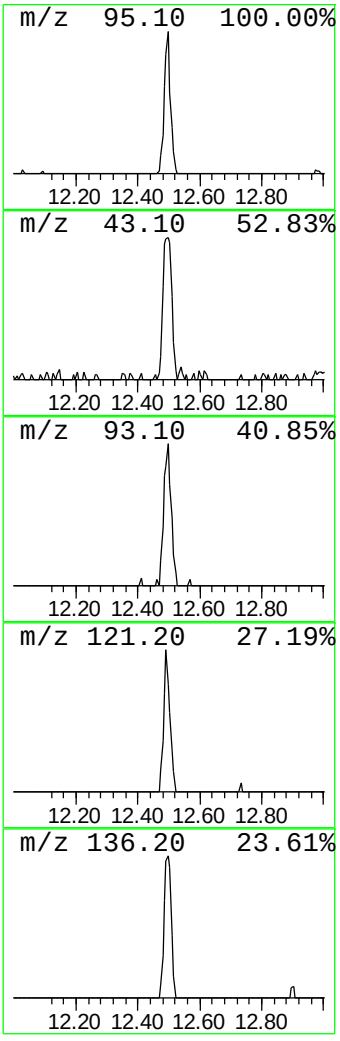
Peak Number 4 1,4-Cyclohexanedimethanol, ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	2.91 ng/ul	83449	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Cyclohexanedimethanol, trans-	144	C8H16O2	003236-48-4	59
2	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	182	C11H18O2	007492-41-3	59
3	Borneol, trifluoroacetate (ester)	250	C12H17F3O2	028587-55-5	59
4	Acetic acid, 1,7,7-trimethyl-bic...	196	C12H20O2	092618-89-8	58
5	Bornyl acetate	196	C12H20O2	000076-49-3	53





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Quant Title : SVOA CALIBRATION

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

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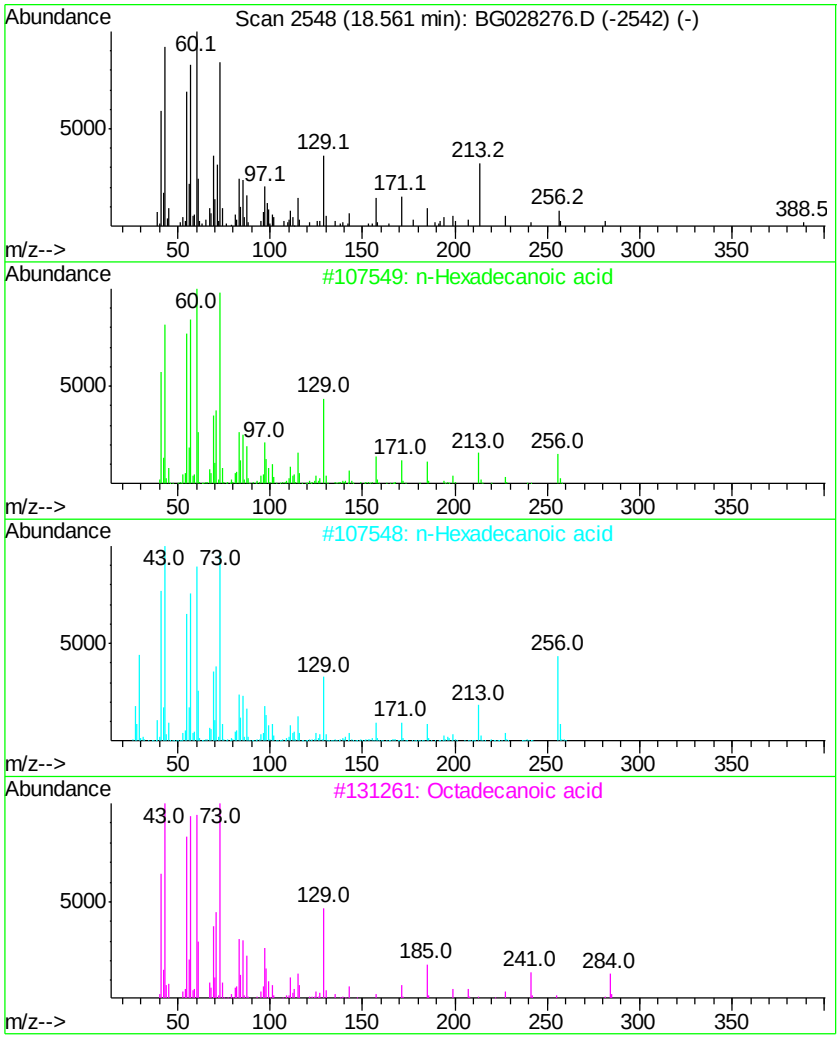
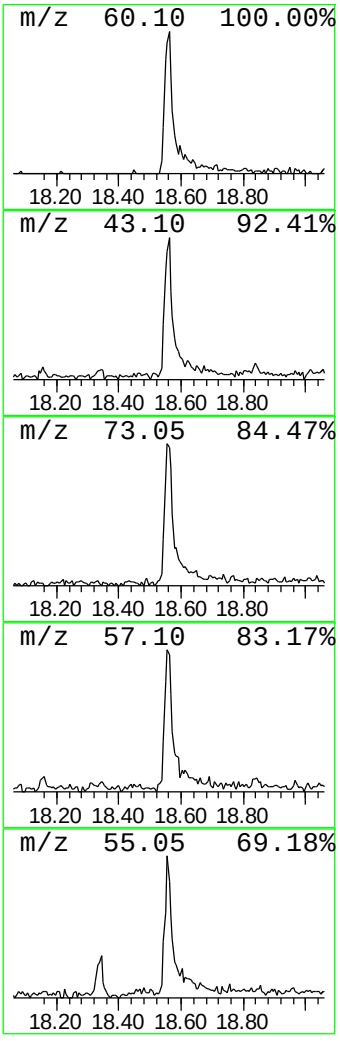
Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	3.96 ng/ul	213437	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
3	Octadecanoic acid	284	C18H36O2	000057-11-4	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AG4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

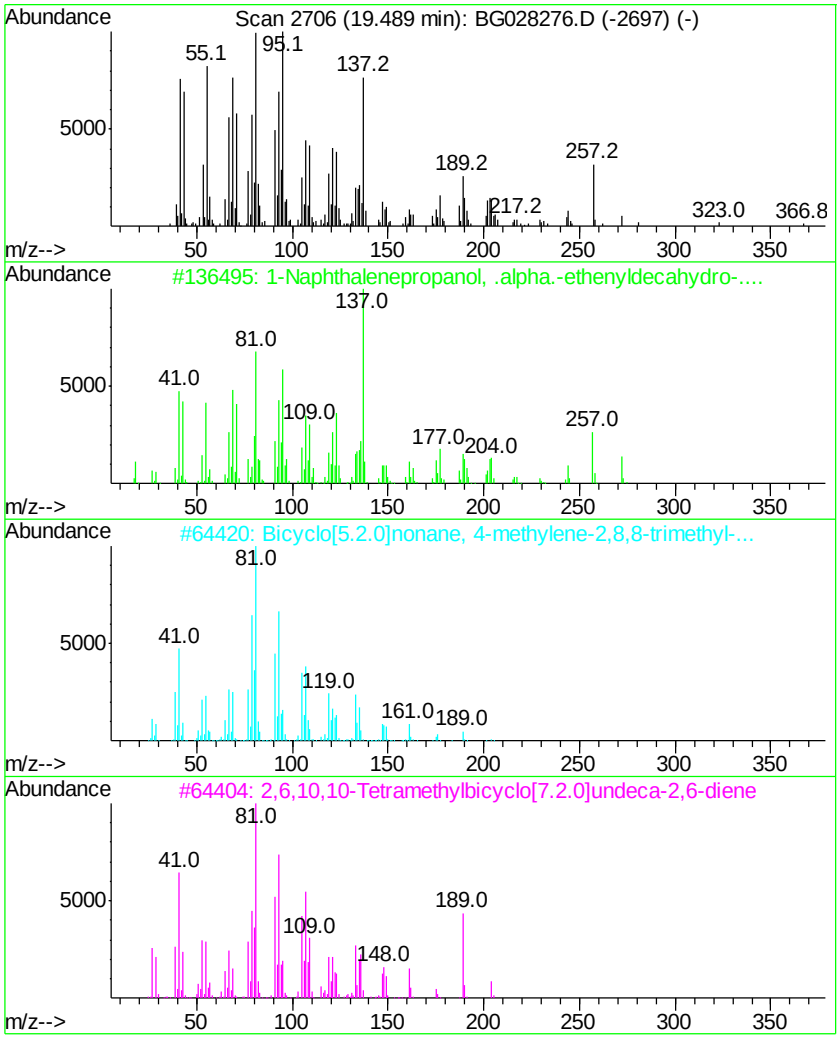
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

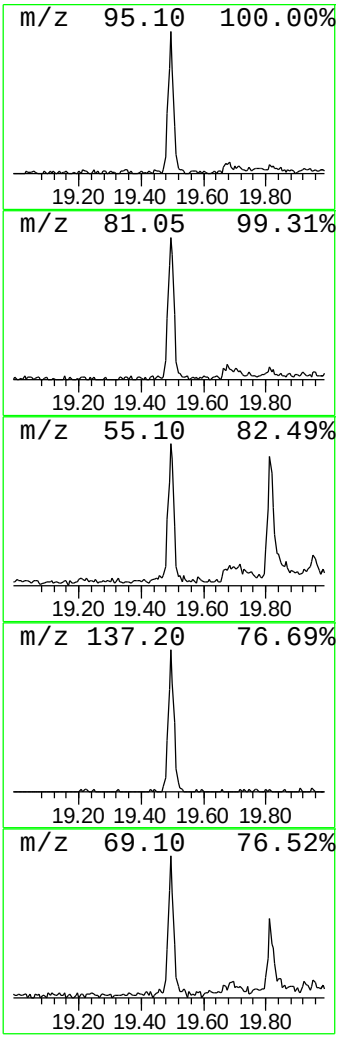
****

Peak Number 6 1-Naphthalenepropanol, .alp... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	7.02 ng/ul	378176	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenepropanol, .alpha.-e...	290	C20H34O	001438-62-6	50
2	Bicyclo[5.2.0]nonane, 4-methylen...	204	C15H24	1000159-38-2	30
3	2,6,10,10-Tetramethylbicyclo[7.2...	204	C15H24	136296-37-2	30
4	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	016022-04-1	25
5	Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	22





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081017\
Data File : BG028276.D
Acq On : 11 Aug 2017 2:37
Operator : SJ/JU
Sample : I4504-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AG4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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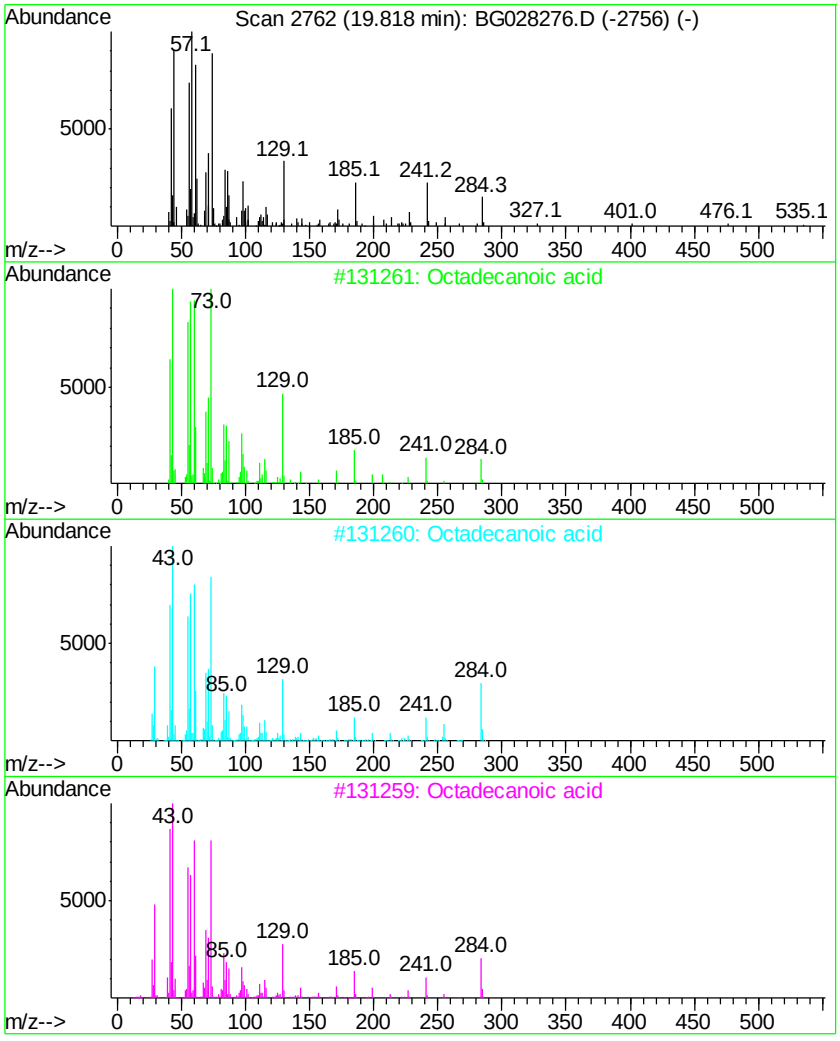
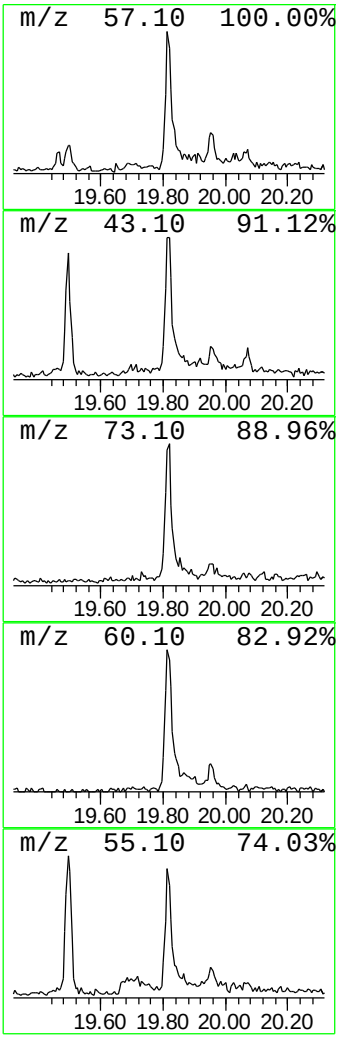
Peak Number 7 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	4.58 ng/ul	246680	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	Octadecanoic acid	284	C18H36O2	000057-11-4	91
3	Octadecanoic acid	284	C18H36O2	000057-11-4	91
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	86
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	72





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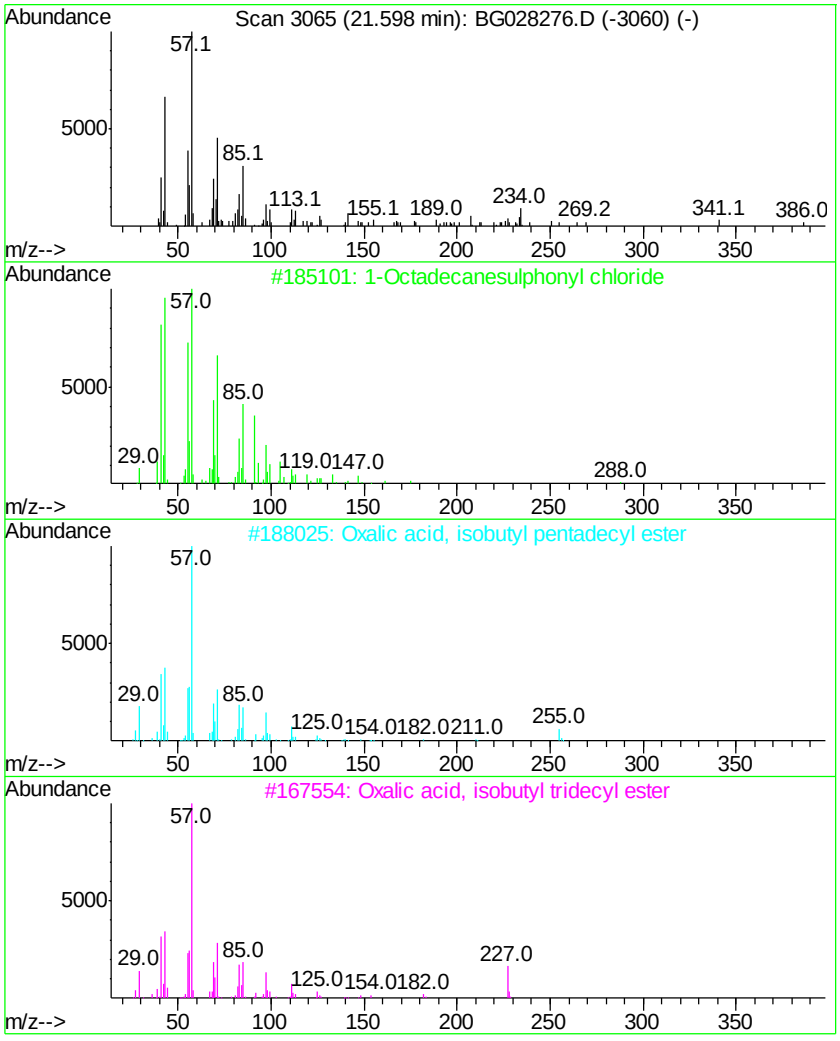
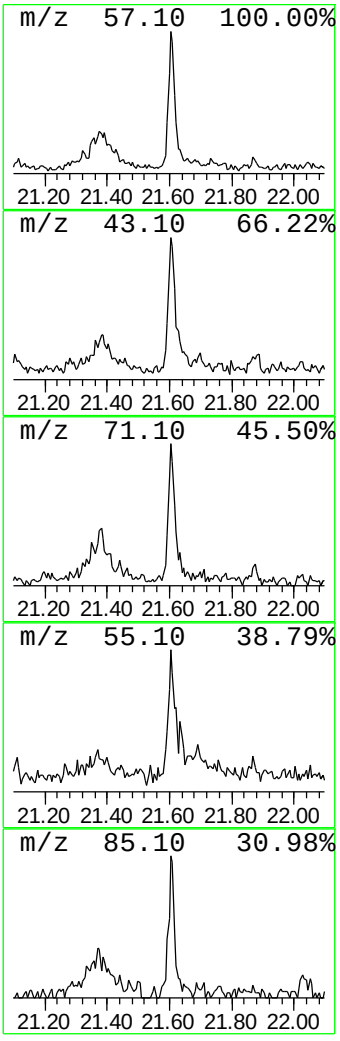
Peak Number 8 1-Octadecanesulphonyl chloride Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.60	2.18 ng/ul	146880	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	80
2	Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	64
3	Oxalic acid, isobutyl tridecyl e...	328	C19H36O4	1000309-37-8	64
4	Eicosane	282	C20H42	000112-95-8	60
5	Nonane	128	C9H20	000111-84-2	52





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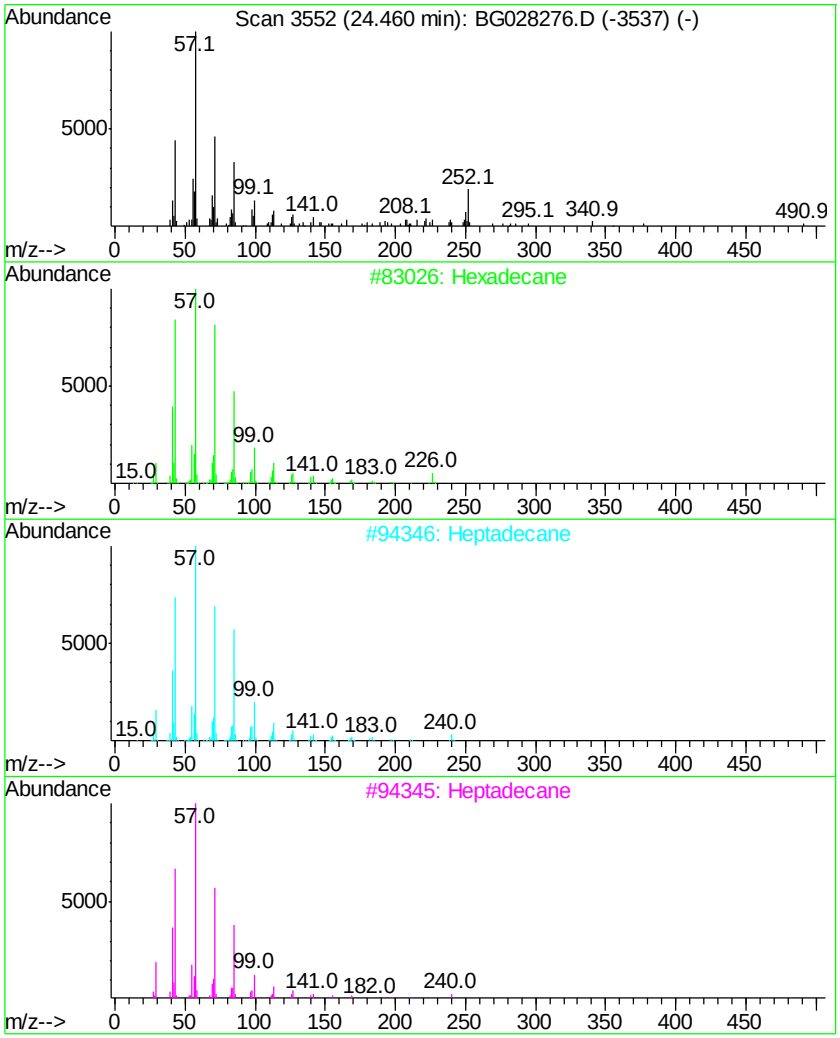
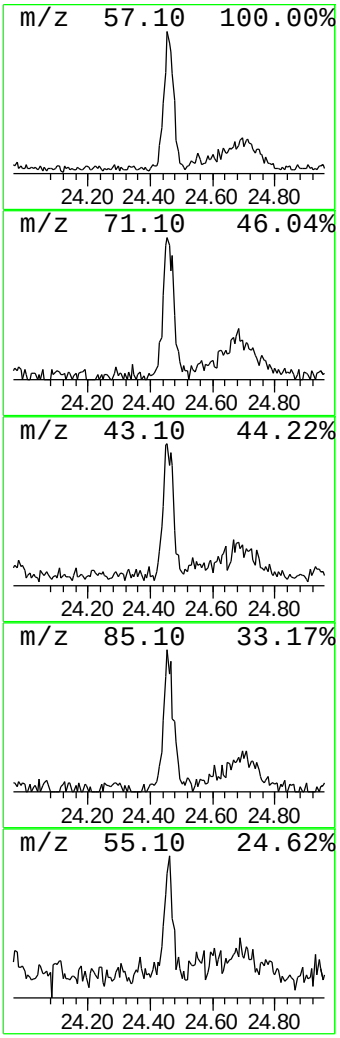
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.46	2.79 ng/ul	183824	Perylene-d12	25.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	92
2	Heptadecane	240	C17H36	000629-78-7	90
3	Heptadecane	240	C17H36	000629-78-7	60
4	Nonadecane	268	C19H40	000629-92-5	58
5	Octadecane, 3-methyl-	268	C19H40	006561-44-0	58





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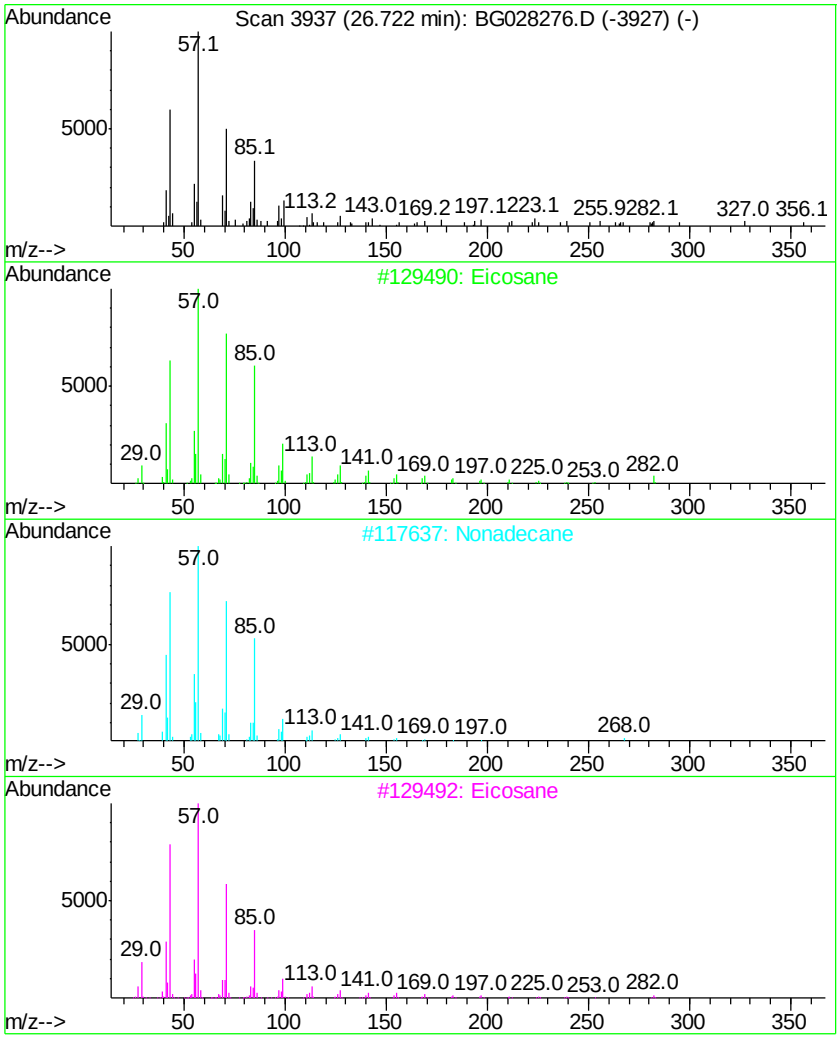
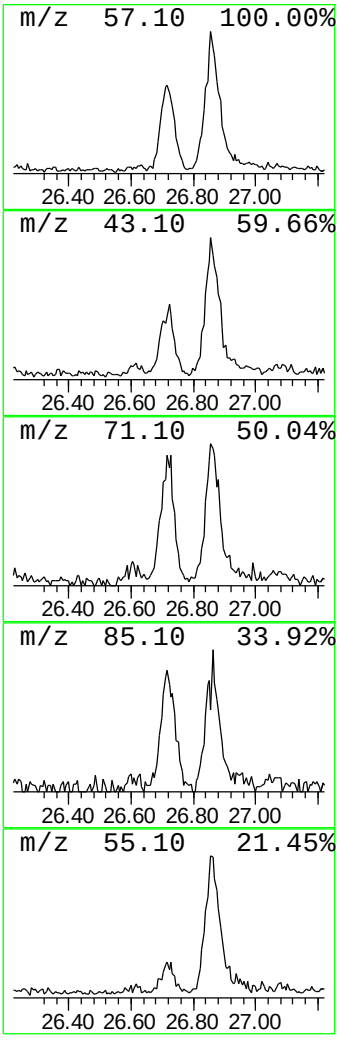
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.72	2.47 ng/ul	162665	Perylene-d12	25.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Nonadecane	268	C19H40	000629-92-5	93
3	Eicosane	282	C20H42	000112-95-8	91
4	Nonadecane	268	C19H40	000629-92-5	89
5	Octadecane	254	C18H38	000593-45-3	83





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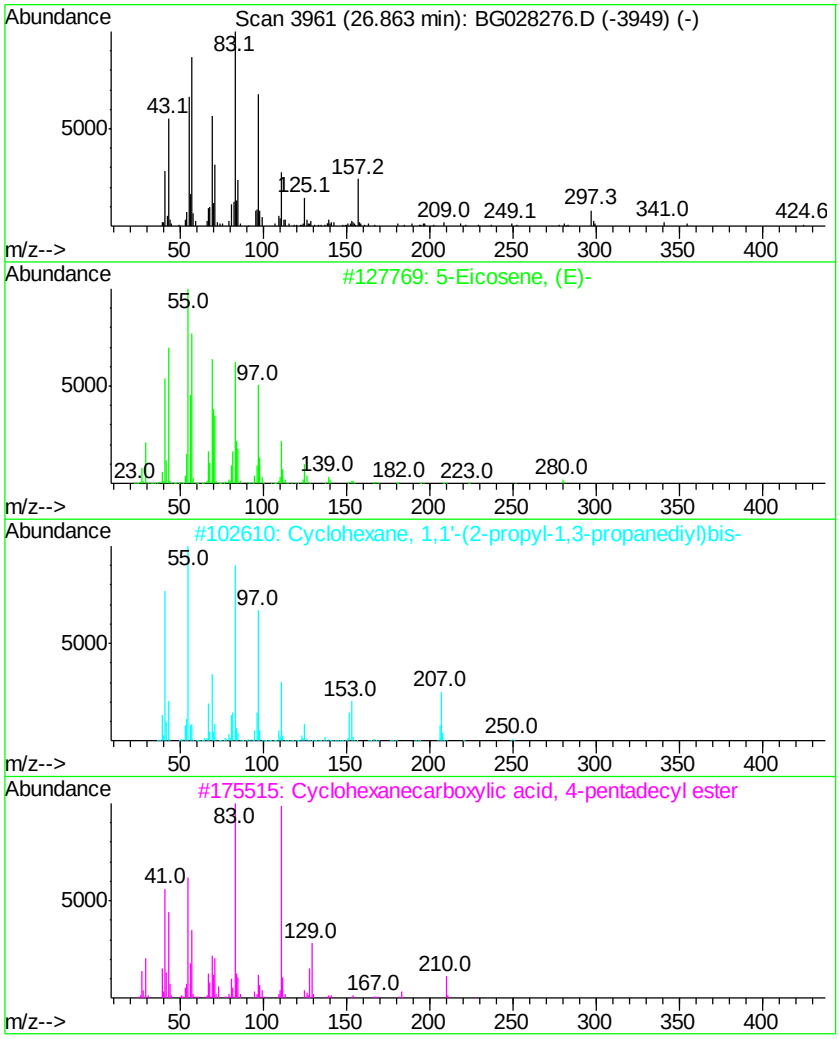
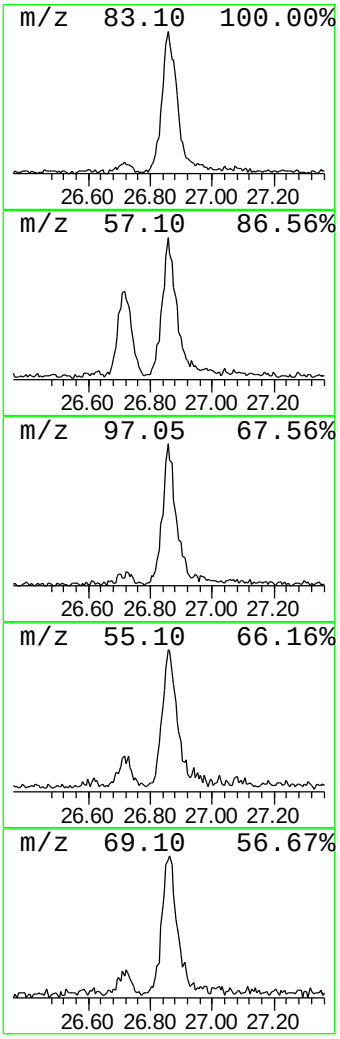
Peak Number 11 (DEL) Alkane: Cyclic26.86 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.86	8.15 ng/ul	537115	Perylene-d12	25.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	64
2	Cyclohexane, 1,1'-(2-propyl-1,3-...	250	C18H34	055030-21-2	49
3	Cyclohexanecarboxylic acid, 4-pe...	338	C22H42O2	1000280-60-1	38
4	Cyclohexanecarboxylic acid, pent...	294	C13H11F5O2	1000354-64-8	38
5	Cyclohexane, (2-decyldodecyl)-	392	C28H56	006704-00-3	35





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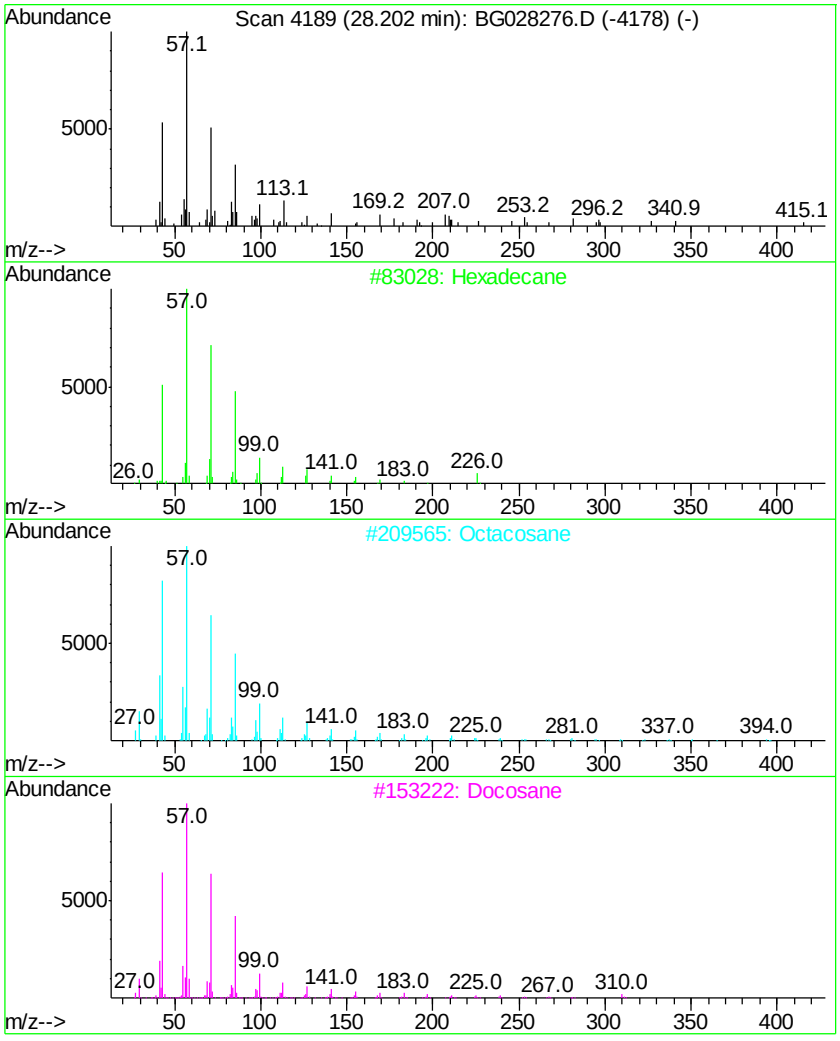
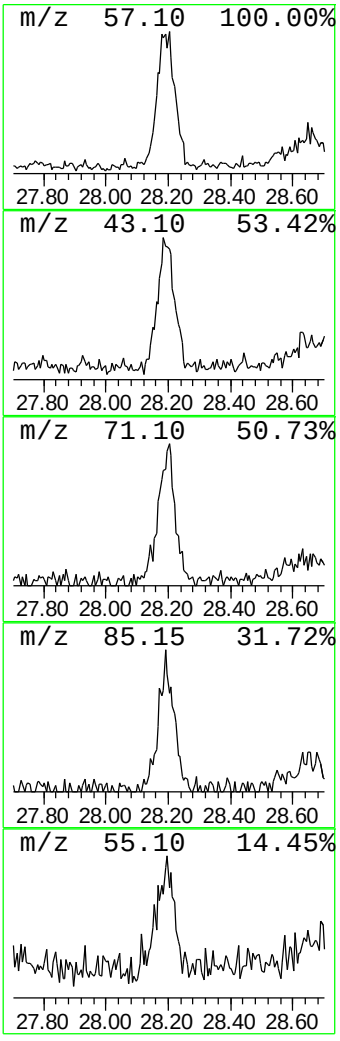
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.20	2.31 ng/ul	152218	Perylene-d12	25.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	83
2	Octacosane	394	C28H58	000630-02-4	68
3	Docosane	310	C22H46	000629-97-0	64
4	Tetracosane	338	C24H50	000646-31-1	64
5	Eicosane, 2-methyl-	296	C21H44	001560-84-5	64





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Misc :
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Instrument : BNA_G
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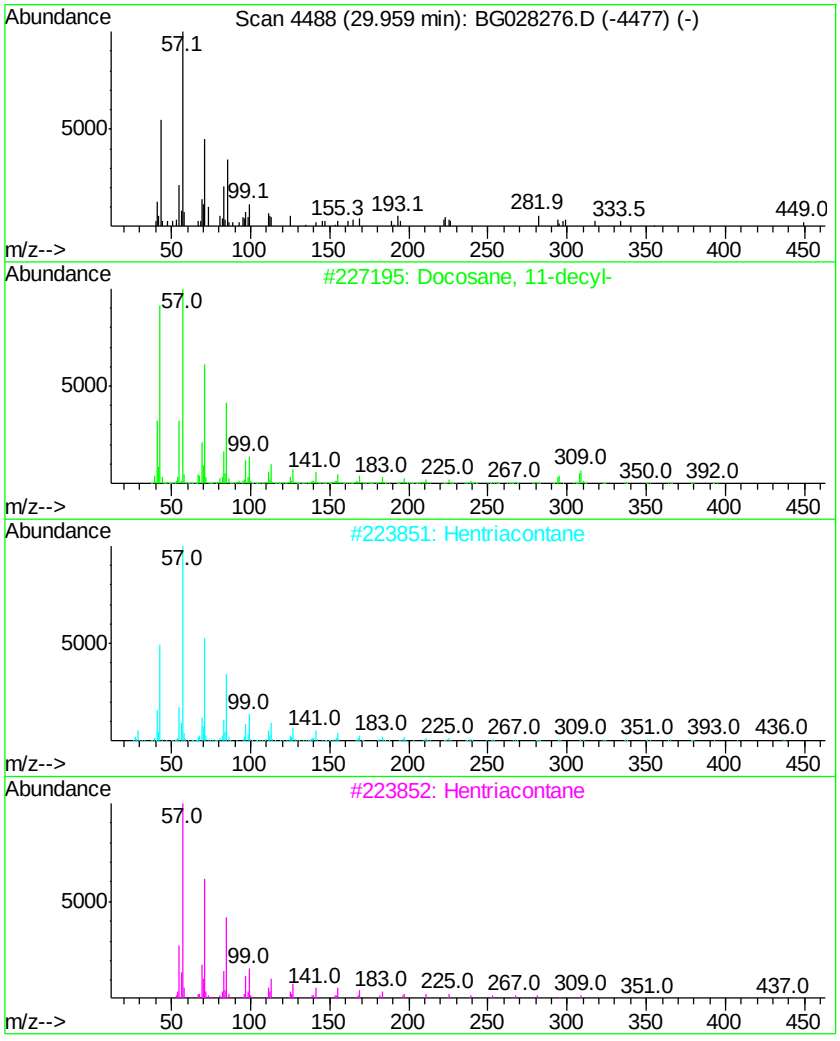
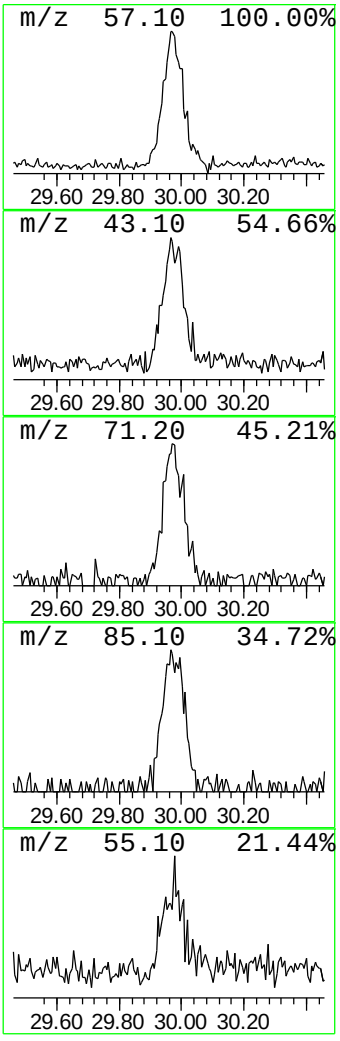
****

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.96	2.35 ng/ul	155055	Perylene-d12	25.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-decyl-	451	C32H66	055401-55-3	72
2	Hentriacontane	437	C31H64	000630-04-6	64
3	Hentriacontane	437	C31H64	000630-04-6	64
4	Eicosane	282	C20H42	000112-95-8	62
5	Eicosane	282	C20H42	000112-95-8	62





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
.alpha.-Pinene	6.89	2.2	ng/ul	40132	1	8.35	361994	20.0
Bicyclo[3.1.0]hex...	7.34	4.1	ng/ul	74585	1	8.35	361994	20.0
1,4-Cyclohexanedi...	12.50	2.9	ng/ul	83449	2	11.18	573397	20.0
n-Hexadecanoic acid	18.56	4.0	ng/ul	213437	4	17.71	1077960	20.0
1-Naphthaleneprop...	19.49	7.0	ng/ul	378176	4	17.71	1077960	20.0
Octadecanoic acid	19.82	4.6	ng/ul	246680	4	17.71	1077960	20.0
1-Octadecanesulph...	21.60	2.2	ng/ul	146880	5	22.04	1347320	20.0
(DEL) Alkane: Str...	24.46	2.8	ng/ul	183824	6	25.54	1317810	20.0
(DEL) Alkane: Str...	26.72	2.5	ng/ul	162665	6	25.54	1317810	20.0
(DEL) Alkane: Cyc...	26.86	8.2	ng/ul	537115	6	25.54	1317810	20.0
(DEL) Alkane: Str...	28.20	2.3	ng/ul	152218	6	25.54	1317810	20.0
(DEL) Alkane: Str...	29.96	2.4	ng/ul	155055	6	25.54	1317810	20.0