LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.992	21	26	45	rBV	2064099	2826173	61.60%	3.205%
2	3.139	45	51	60	rBV	35708	64724	1.41%	0.073%
3	3.216	60	64	69	rBV	63134	81272	1.77%	0.092%
4	5.196	394	401	409	rBV	289281	462160	10.07%	0.524%
5	5.660	473	480	492	rBV	637134	1002644	21.85%	1.137%
6	7.270	745	754	768	rBV2	682980	1877443	40.92%	2.129%
7	7.646	810	818	822	rBV	664148	1253429	27.32%	1.422%
8	8.010	870	880	888	rBV	856373	1445343	31.50%	1.639%
9	8.122	888	899	900	rBV	119367	181586	3.96%	0.206%
10	8.151	900	904	912	rVB	325766	575573	12.55%	0.653%
11	8.445	946	954	962	rBV	499217	843844	18.39%	0.957%
12	8.550	964	972	978	rBV2	85391	137732	3.00%	0.156%
13	9.209	1076	1084	1091	rBV	548907	953140	20.78%	1.081%
14	9.285	1091	1097	1101	rVV	408175	797958	17.39%	0.905%
15	9.332	1101	1105	1112	rVB	760544	1282792	27.96%	1.455%
16	9.861	1180	1195	1205	rBV	1296338	2429066	52.95%	2.755%
17	10.578	1309	1317	1327	rBV	579925	1010510	22.03%	1.146%
18	10.801	1345	1355	1363	rBV	968788	1720055	37.49%	1.951%
19	10.942	1369	1379	1382	rBV	167558	334588	7.29%	0.379%
20	10.995	1382	1388	1396	rVB	1300266	2316345	50.49%	2.627%
21	11.271	1427	1435	1442	rBV	1247846	2111963	46.03%	2.395%
22	12.199	1585	1593	1600	rBV	1309098	2184104	47.61%	2.477%
23	12.587	1650	1659	1667	rBV	1241873	2020143	44.03%	2.291%
24	13.180	1753	1760	1766	rBV	704105	1135548	24.75%	1.288%
25	13.251	1766	1772	1784	rVB	1017600	1631289	35.56%	1.850%
26	13.374	1784	1793	1800	rVB	1328901	2026630	44.17%	2.299%
27	14.209	1926	1935	1941	rBV	2059703	3305625	72.05%	3.749%
28	14.473	1972	1980	1988	rVB	1349817	2112080	46.04%	2.395%
29	14.632	2003	2007	2012	rBV	43801	57392	1.25%	0.065%
30	14.749	2017	2027	2032	rBV2	300496	496056	10.81%	0.563%
31	14.814	2032	2038	2046	rVB	1021829	1563643	34.08%	1.773%
32	14.943	2050	2060	2068	rBV	758246	1319558	28.76%	1.497%
33	15.149	2087	2095	2106	rVB	2434179	3943325	85.95%	4.472%
34	15.560	2155	2165	2175	rBV	2151481	3235114	70.52%	3.669%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.801	2198	2206	2214	rVB	2205758	3506536	76.43%	3.977%
36	16.230	2271	2279	2289	rBV	1172064	1731464	37.74%	1.964%
37	16.441	2311	2315	2324	rBV	57462	100579	2.19%	0.114%
38	16.676	2349	2355	2366	rVB	1322633	1832816	39.95%	2.079%
39	17.493	2487	2494	2496	rBV	388078	597514	13.02%	0.678%
40	17.534	2496	2501	2512	rVV	1829595	2815649	61.37%	3.193%
41	17.887	2552	2561	2567	rVB	436680	649947	14.17%	0.737%
42	18.363	2636	2642	2649	rBV	66027	99658	2.17%	0.113%
43	18.445	2650	2656	2662	rVV	920762	1176699	25.65%	1.335%
44	19.220	2784	2788	2792	rBV	40540	53717	1.17%	0.061%
45	19.538	2834	2842	2849	rBV	2257892	3183502	69.39%	3.611%
46	19.867	2893	2898	2901	rBV	52584	69918	1.52%	0.079%
47	20.090	2930	2936	2942	rBV	2440802	3291240	71.74%	3.733%
48	21.394	3154	3158	3166	rBV2	127721	188710	4.11%	0.214%
49	21.653	3196	3202	3209	rVB	2275664	3327074	72.52%	3.773%
50	21.753	3210	3219	3225	rVV2	2246111	4587788	100.00%	5.203%
51	21.823	3225	3231	3240	rVB	2173782	3664980	79.89%	4.157%
52	22.593	3356	3362	3370	rBV3	56863	113254	2.47%	0.128%
53	22.898	3405	3414	3422	rBV	1762517	3169397	69.08%	3.595%
54	23.504	3510	3517	3525	rBV	57666	112384	2.45%	0.127%
55	24.021	3592	3605	3615	rBV	1460359	3752298	81.79%	4.256%
56	24.138	3618	3625	3630	rBV2	90708	191253	4.17%	0.217%
57	25.049	3770	3780	3789	rBV2	249439	748872	16.32%	0.849%
58	26.294	3981	3992	4001	rBV3	64803	209857	4.57%	0.238%
59	26.406	4006	4011	4021	rVB8	25196	70654	1.54%	0.080%
60	27.687	4219	4229	4230	rBV8	23986	47070	1.03%	0.053%
61	29.391	4510	4519	4529	rVB8	36344	138550	3.02%	0.157%

Sum of corrected areas: 88170227

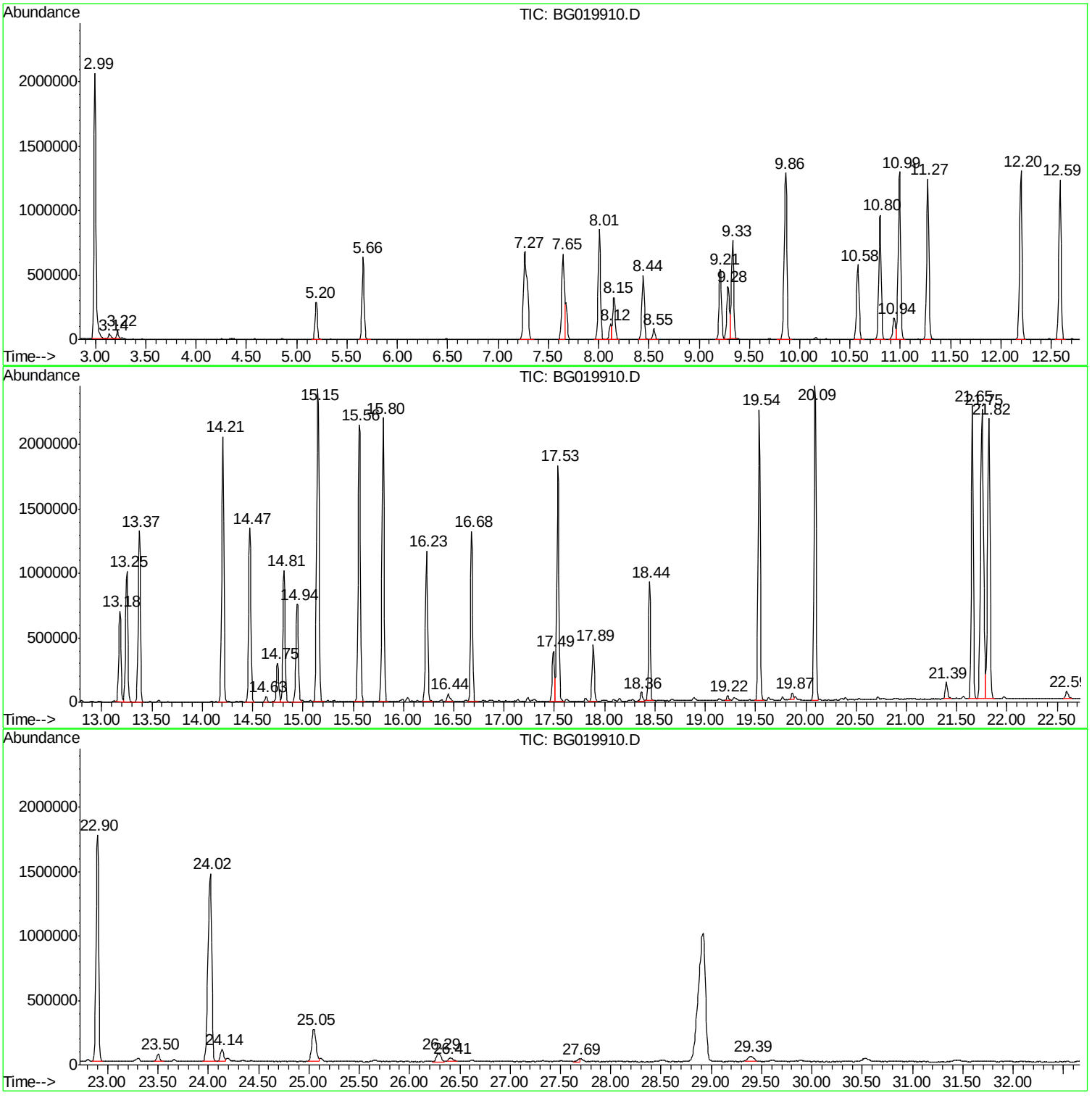
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

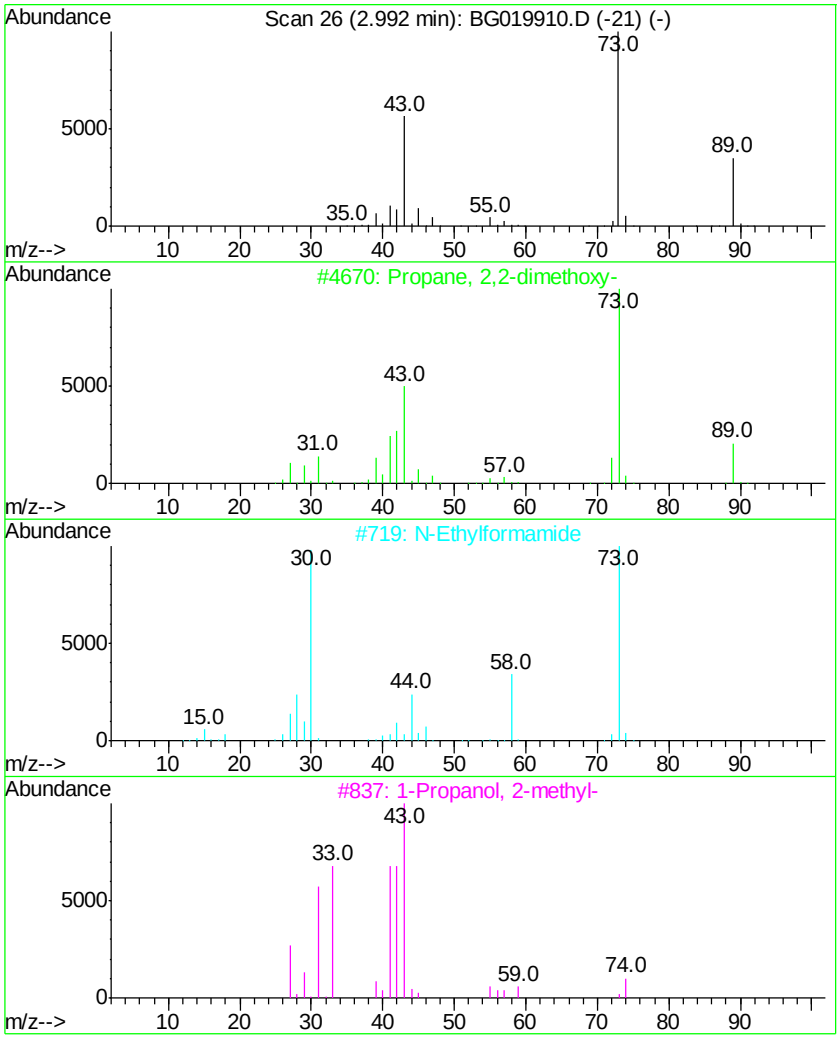
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

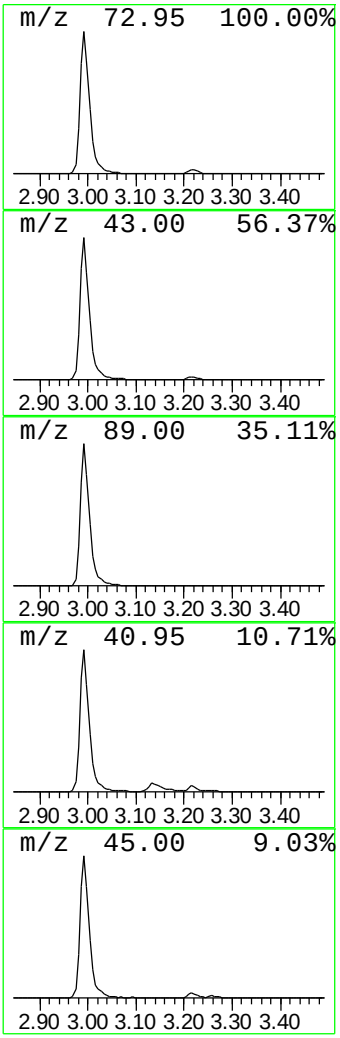
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	311.28 ng	2826170	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
4	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
5	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

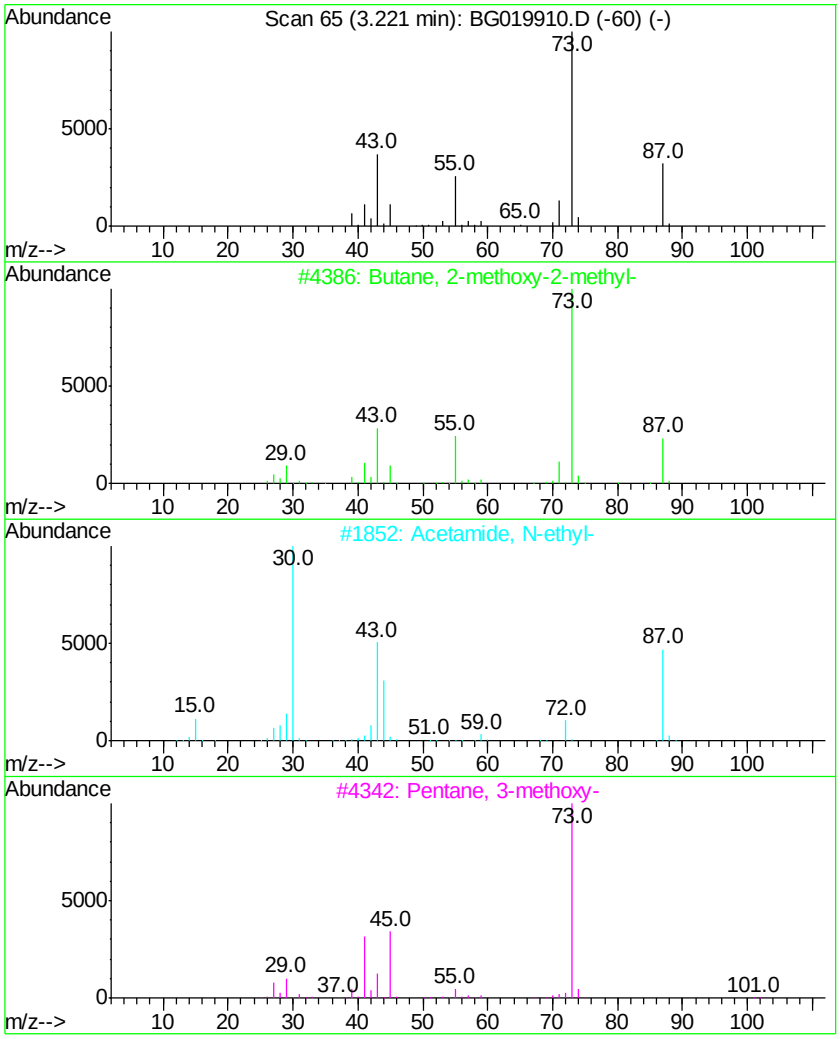
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

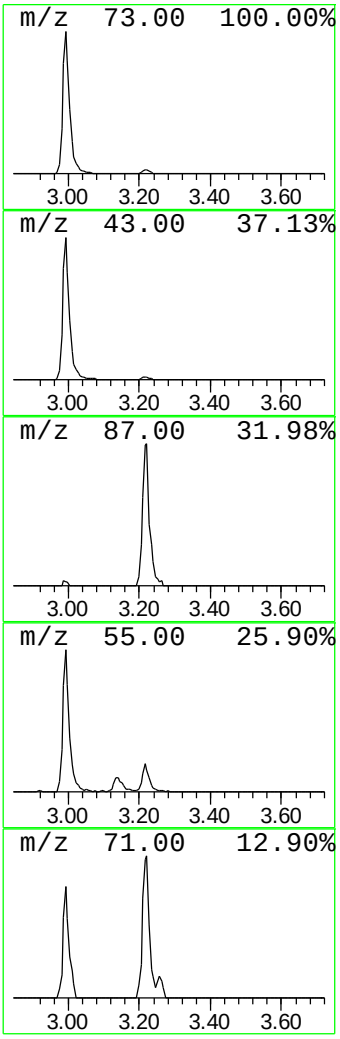
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.22	8.95 ng	81272	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	16
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

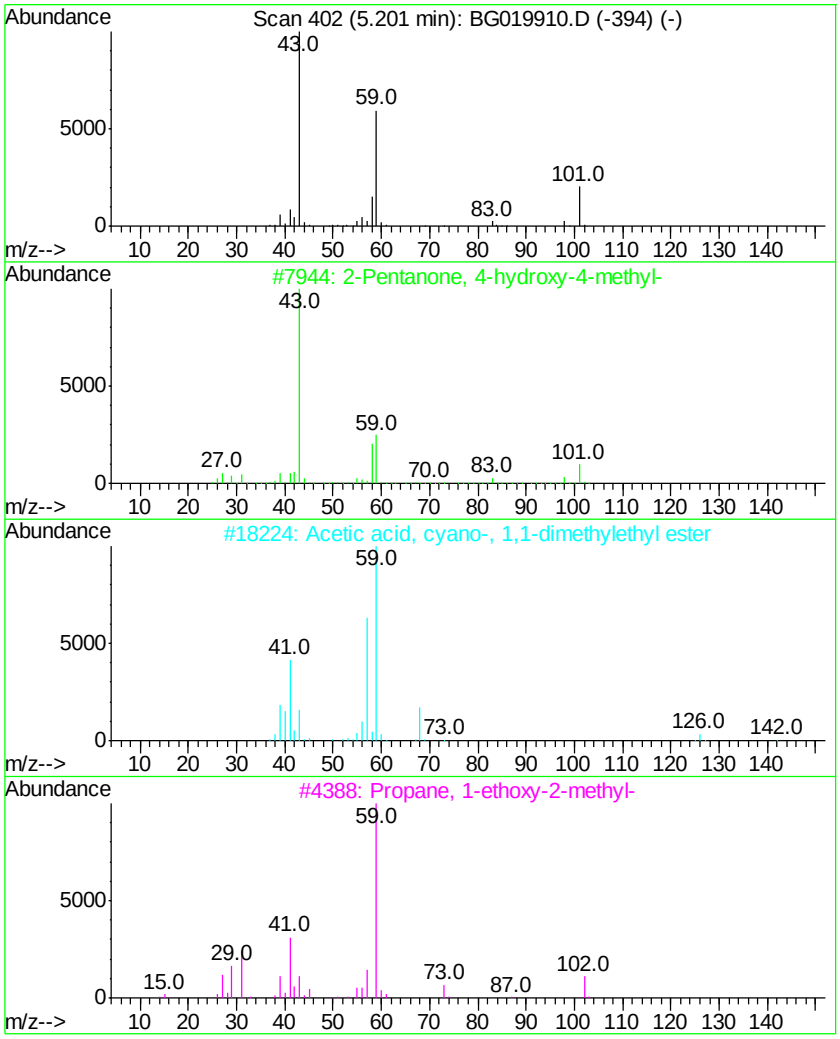
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

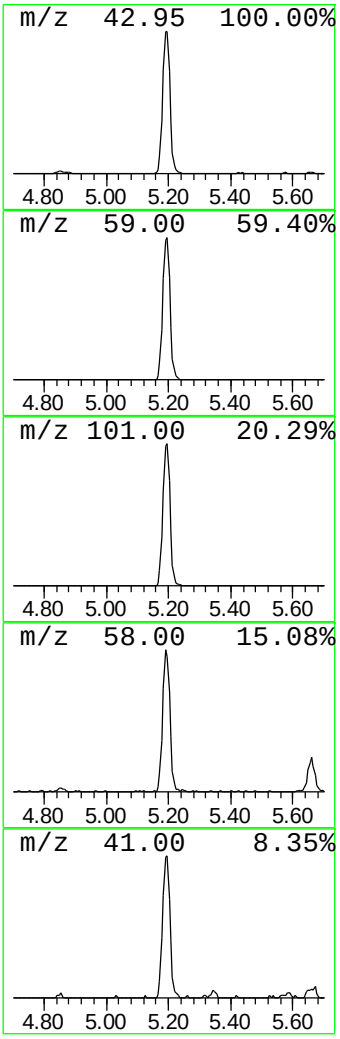
****

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	50.90 ng	462160	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9
5	5-Oxohexanenitrile	111	C6H9NO	010412-98-3	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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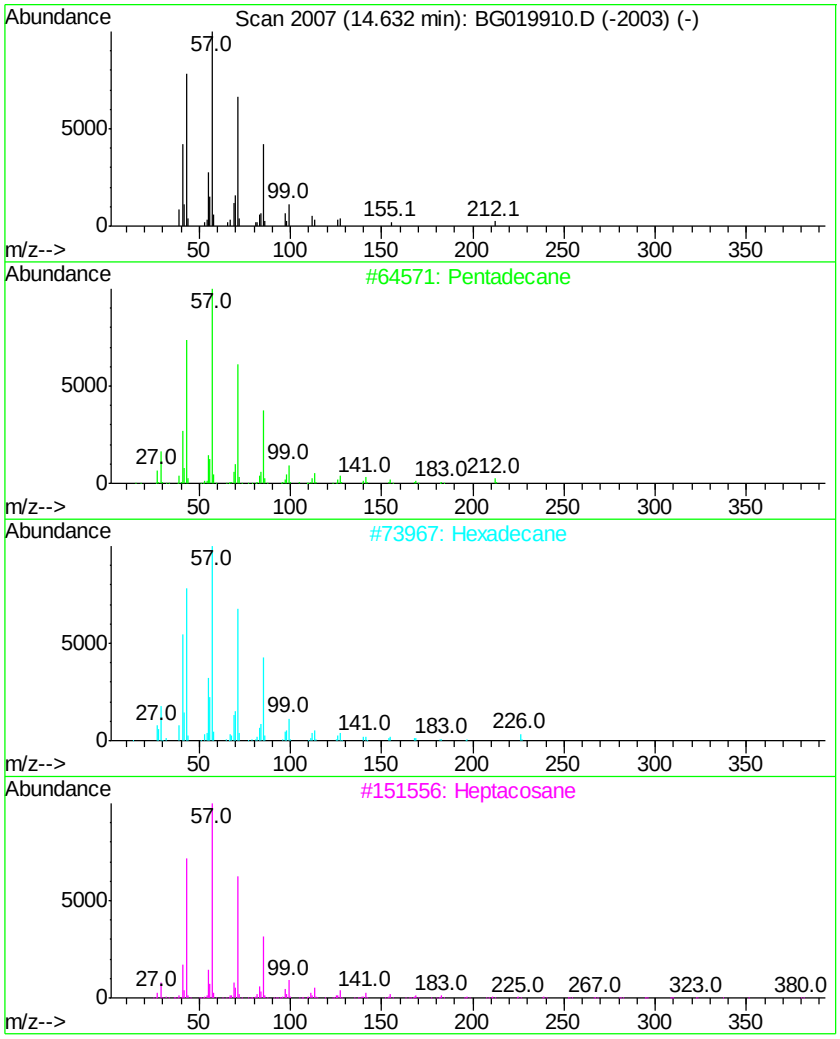
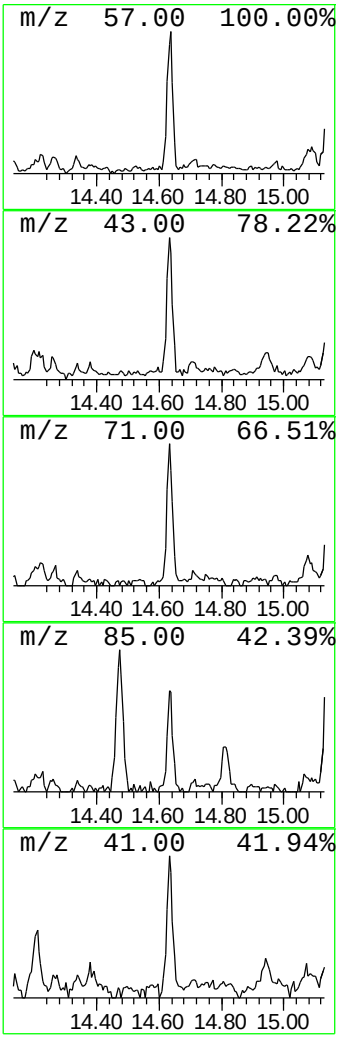
Peak Number 6 Pentadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	2.31 ng	57392	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	93
2	Hexadecane	226	C16H34	000544-76-3	90
3	Heptacosane	380	C27H56	000593-49-7	90
4	10-Methylnonadecane	282	C20H42	056862-62-5	86
5	Eicosane	282	C20H42	000112-95-8	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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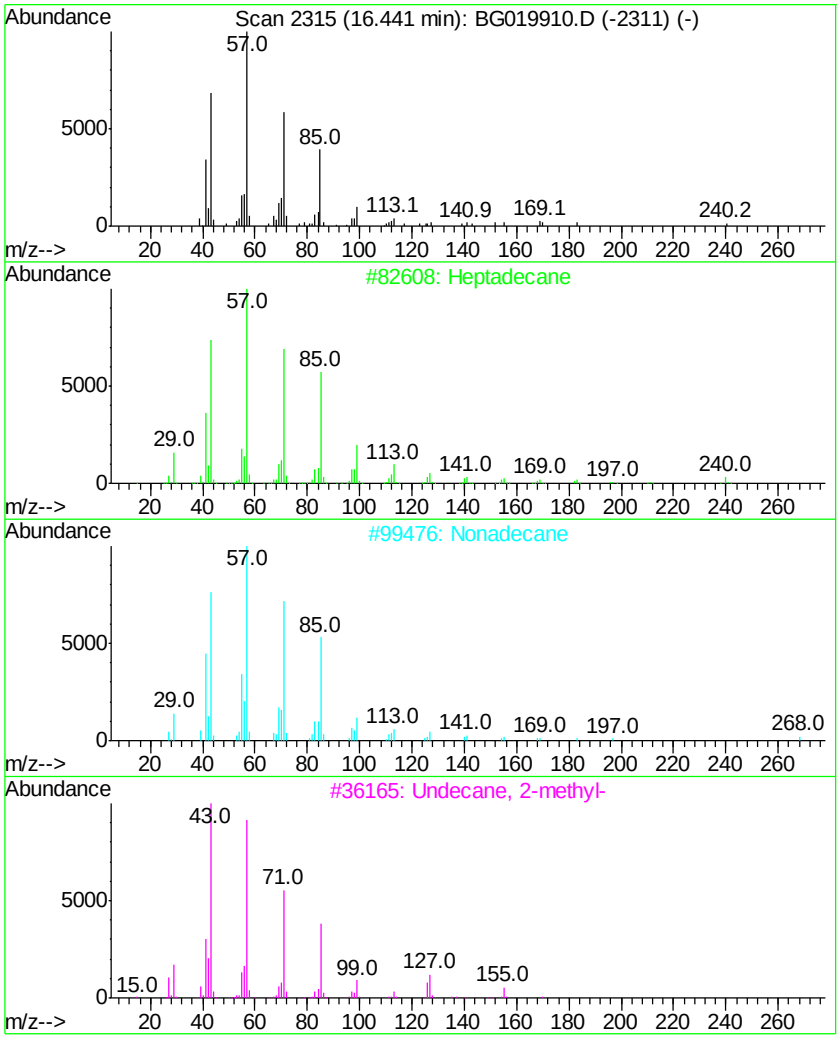
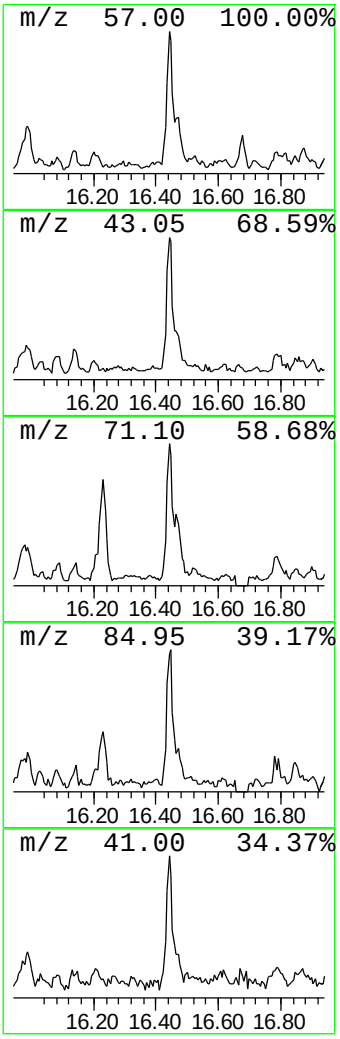
Peak Number 7 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	3.37 ng	100579	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Nonadecane	268	C19H40	000629-92-5	91
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	86
4	Dodecane	170	C12H26	000112-40-3	80
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	78





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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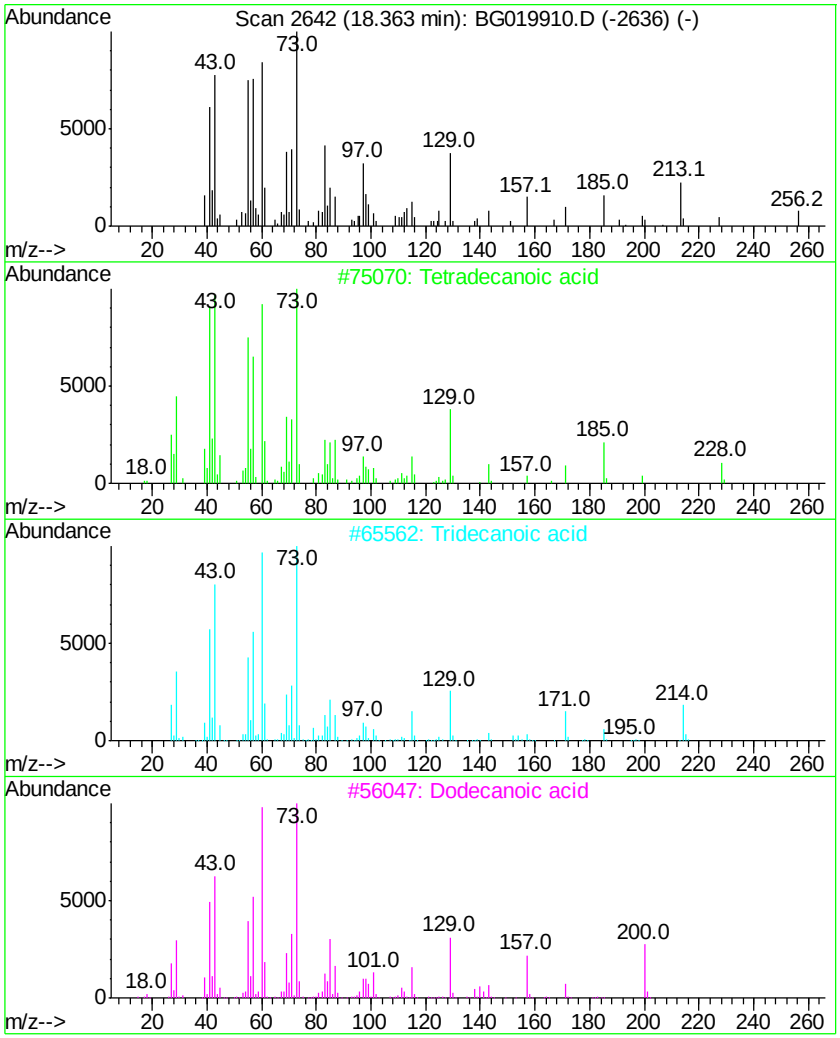
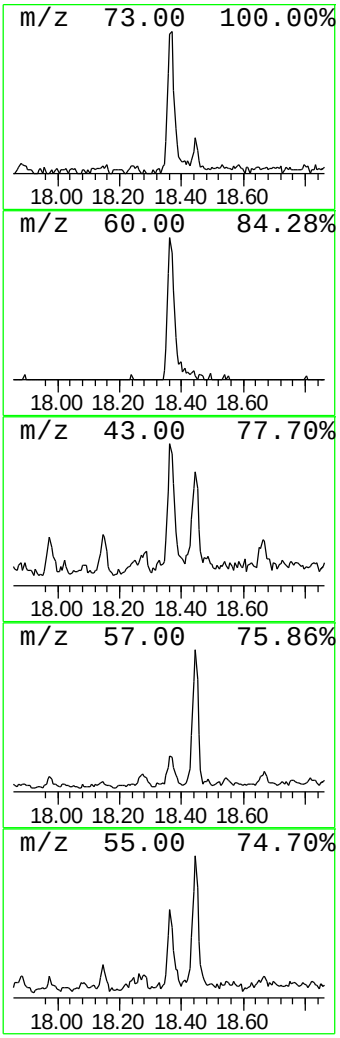
Peak Number 8 Tetradecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	3.34 ng	99658	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	62
2	Tridecanoic acid	214	C13H26O2	000638-53-9	62
3	Dodecanoic acid	200	C12H24O2	000143-07-7	50
4	n-Decanoic acid	172	C10H20O2	000334-48-5	49
5	Heptafluorobutyric acid, n-penta...	424	C19H31F7O2	1000216-79-3	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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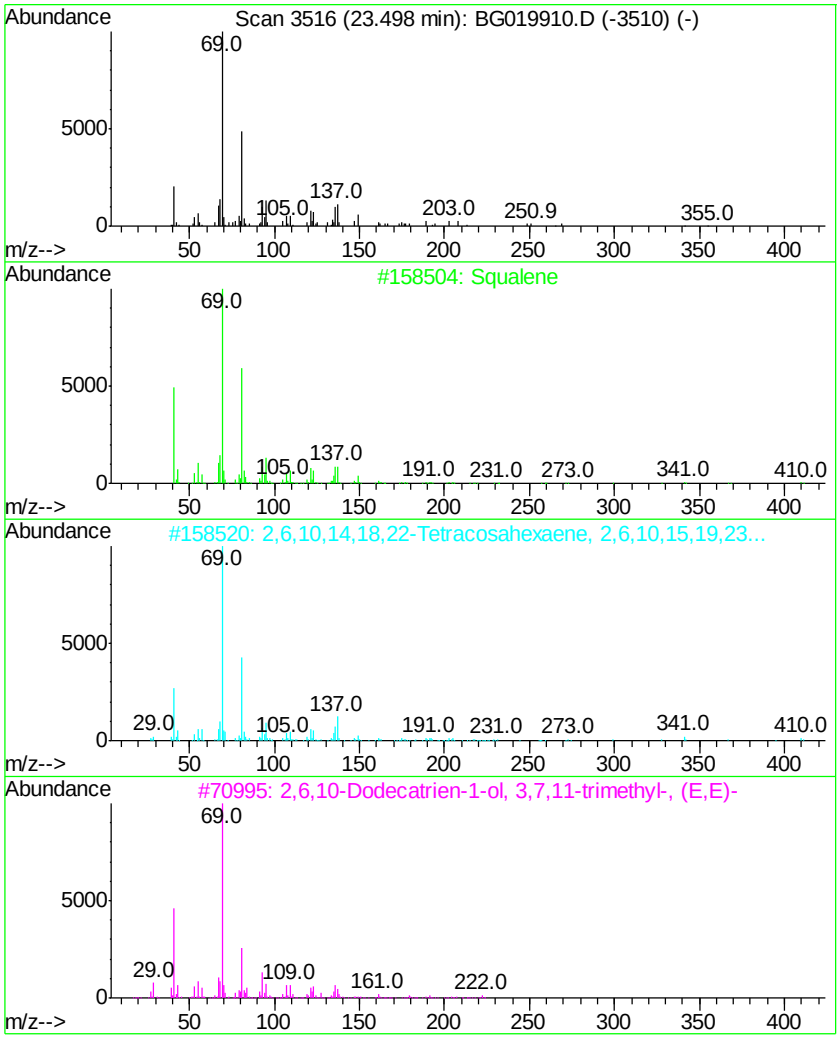
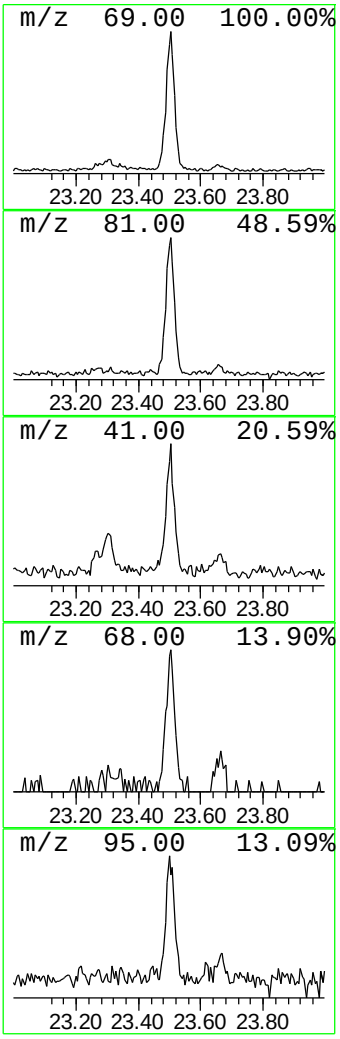
Peak Number 9 Squalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.50	3.00 ng	112384	Perylene-d12	25.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	91
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	91
3	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	000106-28-5	80
4	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	72
5	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

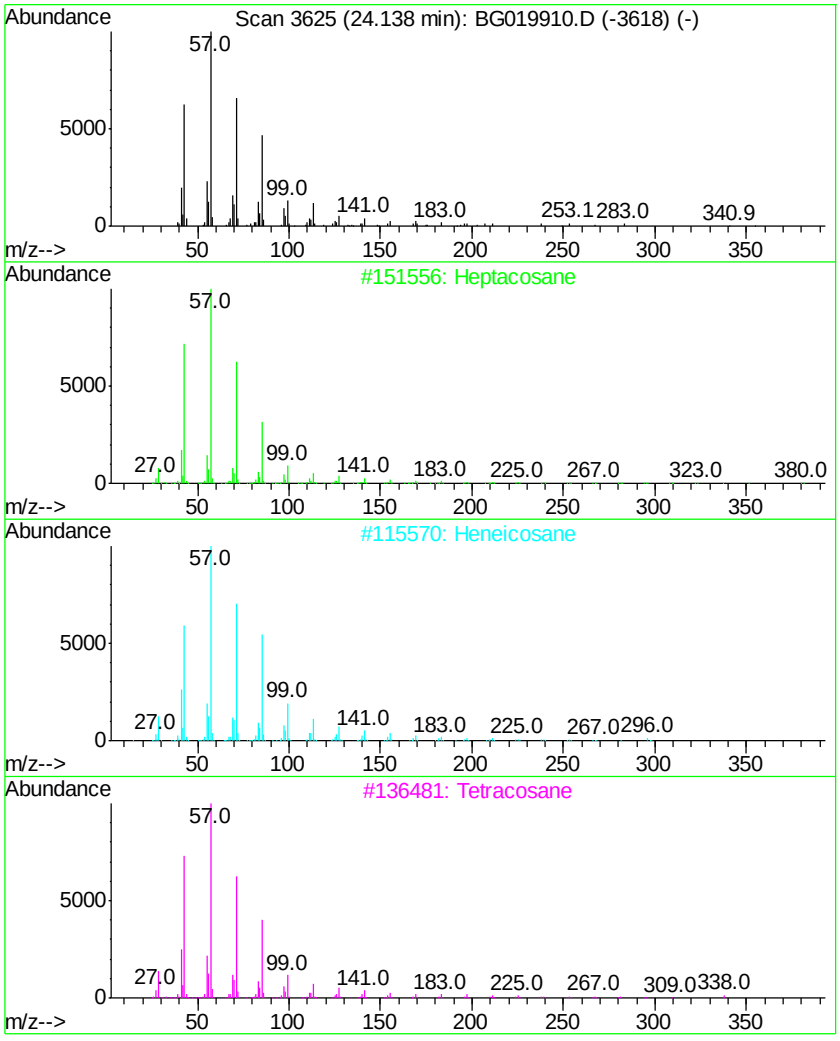
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

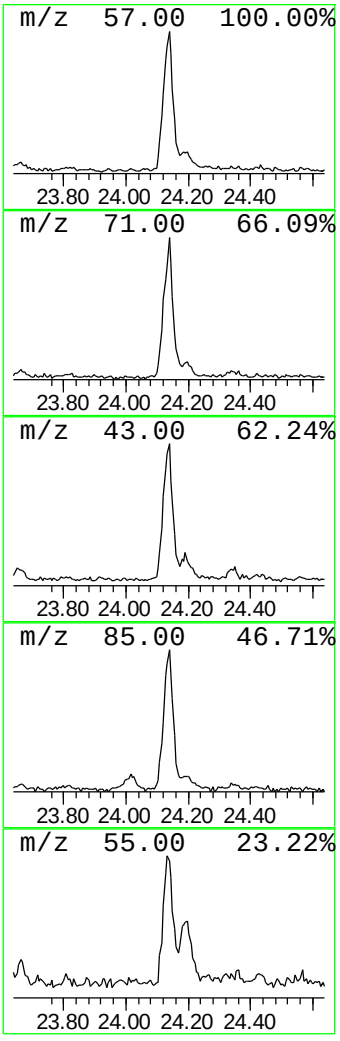
****

Peak Number 10 Heptacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.14	5.11 ng	191253	Perylene-d12	25.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91





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Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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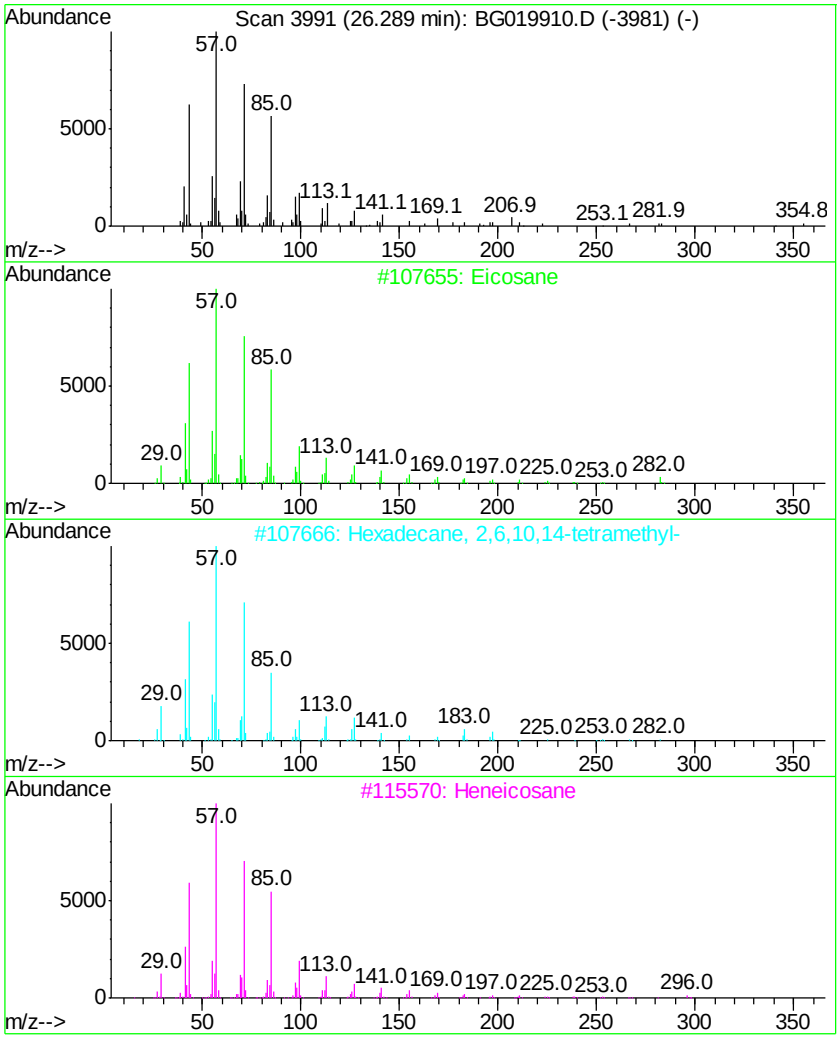
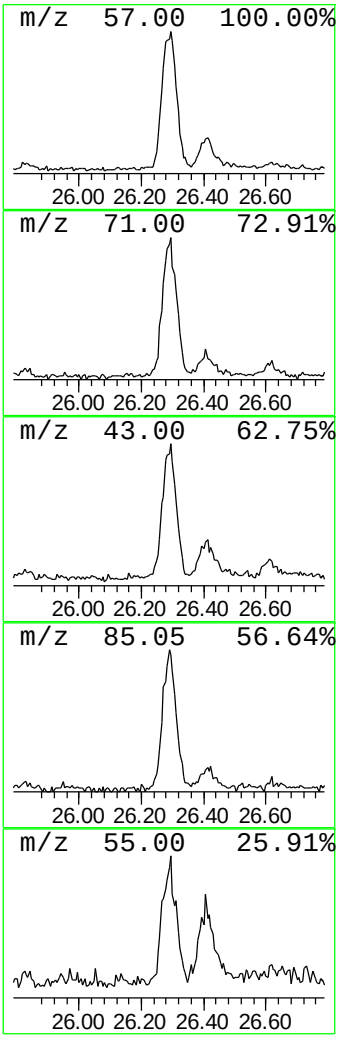
Peak Number 11 Eicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.29	5.60 ng	209857	Perylene-d12	25.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
3	Heneicosane	296	C21H44	000629-94-7	90
4	Octadecane	254	C18H38	000593-45-3	87
5	Octacosane	394	C28H58	000630-02-4	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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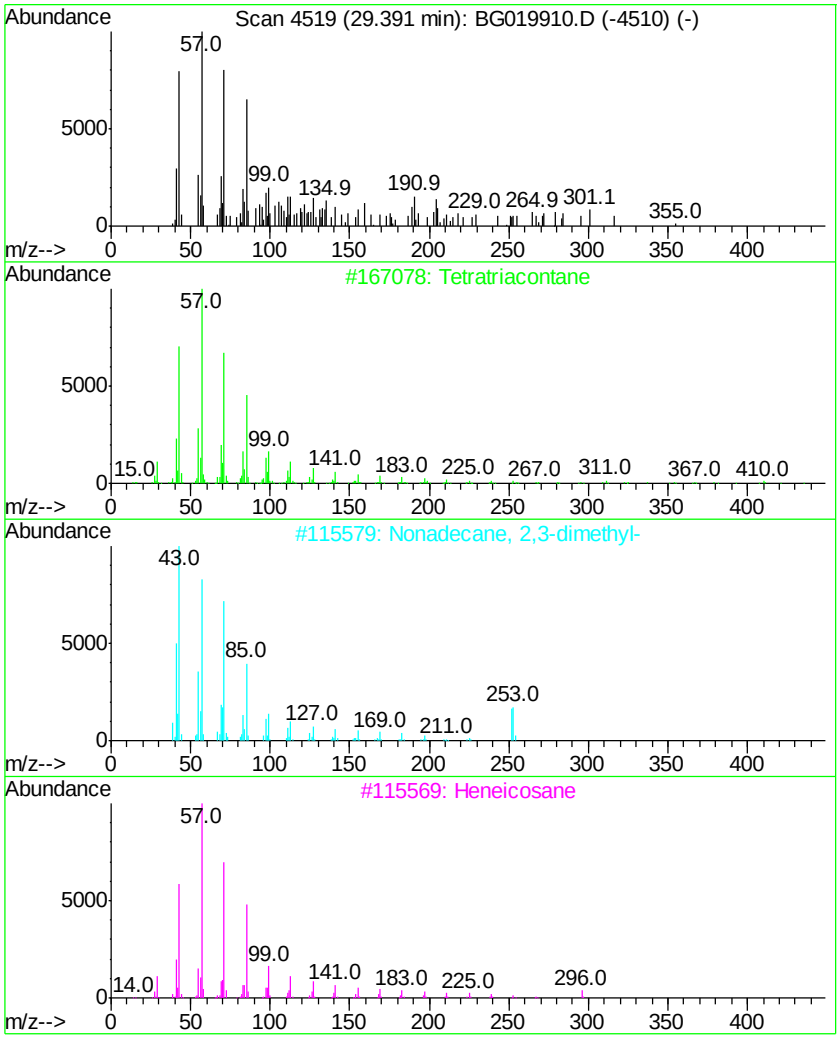
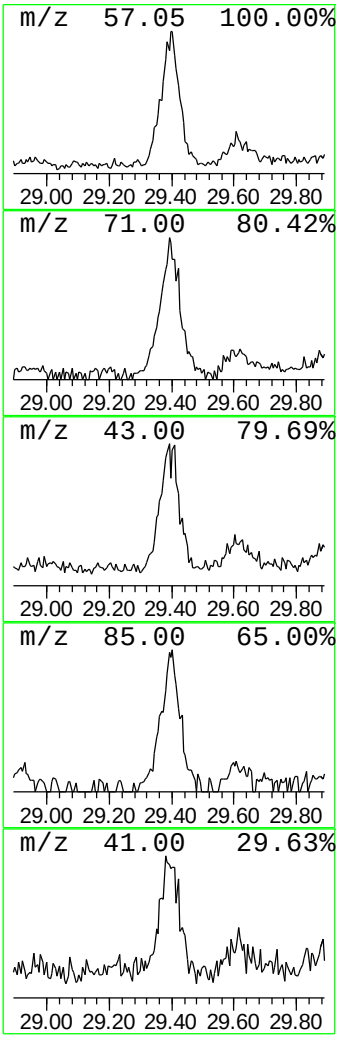
Peak Number 12 Tetratriacontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.39	3.70 ng	138550	Perylene-d12	25.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontane	479	C34H70	014167-59-0	81
2	Nonadecane, 2,3-dimethyl-	296	C21H44	075163-99-4	74
3	Heneicosane	296	C21H44	000629-94-7	74
4	Heptacosane	380	C27H56	000593-49-7	74
5	Tricosane, 2-methyl-	338	C24H50	001928-30-9	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120415\
Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 2,2-dime...	2.99	311.3	ng	2826170	1	8.12	181586	20.0
Butane, 2-methoxy...	3.22	8.9	ng	81272	1	8.12	181586	20.0
2-Pentanone, 4-hy...	5.20	50.9	ng	462160	1	8.12	181586	20.0
Pentadecane	14.63	2.3	ng	57392	3	14.75	496056	20.0
Heptadecane	16.44	3.4	ng	100579	4	17.49	597514	20.0
Tetradecanoic acid	18.36	3.3	ng	99658	4	17.49	597514	20.0
Squalene	23.50	3.0	ng	112384	6	25.05	748872	20.0
Heptacosane	24.14	5.1	ng	191253	6	25.05	748872	20.0
Eicosane	26.29	5.6	ng	209857	6	25.05	748872	20.0
Tetratriacontane	29.39	3.7	ng	138550	6	25.05	748872	20.0