LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

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_F\METHODS\8270-BF120415.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	2.555	74	76	82	rBV	45872	82483	1.61%	0.197%
2	3.584	165	166	174	rBV	190226	339742	6.63%	0.813%
3	3.790	181	184	194	rVB5	11833	51534	1.01%	0.123%
4	4.030	203	205	218	rBV	1465450	1924927	37.59%	4.604%
5	5.321	315	318	325	rBV	827957	1541410	30.10%	3.686%
6	5.459	327	330	337	rVV	3062508	3719858	72.64%	8.896%
7	5.584	337	341	344	rVB2	25500	55371	1.08%	0.132%
8	5.767	354	357	365	rVB	836253	1030691	20.13%	2.465%
9	5.904	365	369	371	rBV	34683	55898	1.09%	0.134%
10	5.984	373	376	381	rVB	2605269	3157458	61.66%	7.551%
11	6.373	408	410	415	rBV2	422104	891075	17.40%	2.131%
12	6.510	418	422	426	rBV5	35312	77045	1.50%	0.184%
13	6.590	426	429	432	rBV	1857316	2842741	55.51%	6.799%
14	6.807	443	448	452	rBV6	28933	86918	1.70%	0.208%
15	6.944	456	460	467	rVB3	52947	152413	2.98%	0.365%
16	7.047	467	469	470	rBV	35072	54339	1.06%	0.130%
17	7.082	470	472	475	rVB	41292	62451	1.22%	0.149%
18	7.242	484	486	488	rBV	49977	78057	1.52%	0.187%
19	7.447	502	504	509	rVV	73847	162460	3.17%	0.389%
20	7.573	513	515	518	rVV4	36353	80272	1.57%	0.192%
21	7.664	521	523	528	rVV	871020	1351791	26.40%	3.233%
22	7.756	528	531	536	rVB2	58887	119947	2.34%	0.287%
23	7.973	548	550	553	rVB	204317	269733	5.27%	0.645%
24	8.122	561	563	565	rBV	127672	178765	3.49%	0.428%
25	8.167	565	567	569	rVB	80747	102266	2.00%	0.245%
26	8.362	578	584	588	rBV5	45633	165748	3.24%	0.396%
27	8.442	588	591	594	rVV4	52420	168556	3.29%	0.403%
28	8.499	594	596	602	rVB	55610	97226	1.90%	0.233%
29	8.910	628	632	636	rBV2	32069	78239	1.53%	0.187%
30	9.002	638	640	645	rBV	105591	228294	4.46%	0.546%
31	9.093	645	648	653	rVB7	22022	68501	1.34%	0.164%
32	9.253	657	662	664	rBV6	31626	106096	2.07%	0.254%
33	9.299	664	666	669	rBV2	99710	135534	2.65%	0.324%
34	9.413	673	676	679	rBV	3454432	5120672	100.00%	12.247%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

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_F\METHODS\8270-BF120415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.630	693	695	697	rBV2	35636	51621	1.01%	0.123%
36	9.665	697	698	704	rVB4	57955	122026	2.38%	0.292%
37	9.916	717	720	722	rBV	62888	95376	1.86%	0.228%
38	10.099	733	736	739	rVB	144548	194642	3.80%	0.466%
39	10.453	765	767	771	rBV	914237	1526712	29.81%	3.651%
40	10.568	774	777	779	rVB3	34448	57052	1.11%	0.136%
41	10.636	780	783	785	rBV3	24843	53969	1.05%	0.129%
42	10.830	797	800	802	rVB4	37223	62443	1.22%	0.149%
43	10.945	808	810	812	rBV	52676	86487	1.69%	0.207%
44	11.139	825	827	829	rVV2	32257	51801	1.01%	0.124%
45	11.242	834	836	839	rVV2	37005	55413	1.08%	0.133%
46	11.493	856	858	863	rBV5	60867	131652	2.57%	0.315%
47	11.745	877	880	883	rBV	1958813	2822765	55.12%	6.751%
48	11.951	896	898	901	rVB	48634	65000	1.27%	0.155%
49	12.133	912	914	917	rVB	68949	102629	2.00%	0.245%
50	12.191	917	919	922	rBV2	95775	203402	3.97%	0.486%
51	12.351	931	933	937	rBV2	53077	110247	2.15%	0.264%
52	12.419	937	939	942	rVB3	68975	110980	2.17%	0.265%
53	12.488	943	945	948	rBV	99448	140686	2.75%	0.336%
54	12.648	956	959	962	rVB	148916	247606	4.84%	0.592%
55	12.774	968	970	974	rVB	251389	421465	8.23%	1.008%
56	12.854	974	977	980	rBV	1061477	1301054	25.41%	3.112%
57	13.391	1021	1024	1029	rBV2	182888	327254	6.39%	0.783%
58	13.596	1040	1042	1043	rBV2	44696	53754	1.05%	0.129%
59	13.917	1067	1070	1074	rBV2	266588	424081	8.28%	1.014%
60	14.728	1138	1141	1146	rVB	524759	854258	16.68%	2.043%
61	15.105	1172	1174	1179	rVB	65735	92605	1.81%	0.221%
62	15.185	1179	1181	1191	rVB	292489	541128	10.57%	1.294%
63	15.482	1204	1207	1210	rBV	2441258	3905579	76.27%	9.341%
64	16.305	1276	1279	1280	rBV	41955	57597	1.12%	0.138%
65	16.534	1297	1299	1302	rBV	688739	852050	16.64%	2.038%
66	16.980	1336	1338	1341	rBV	62344	109129	2.13%	0.261%
67	17.048	1341	1344	1348	rVV	645675	1021792	19.95%	2.444%
68	17.323	1366	1368	1372	rVB3	51191	73991	1.44%	0.177%
69	18.671	1484	1486	1491	rVB	709668	846580	16.53%	2.025%

Sum of corrected areas: 41813337

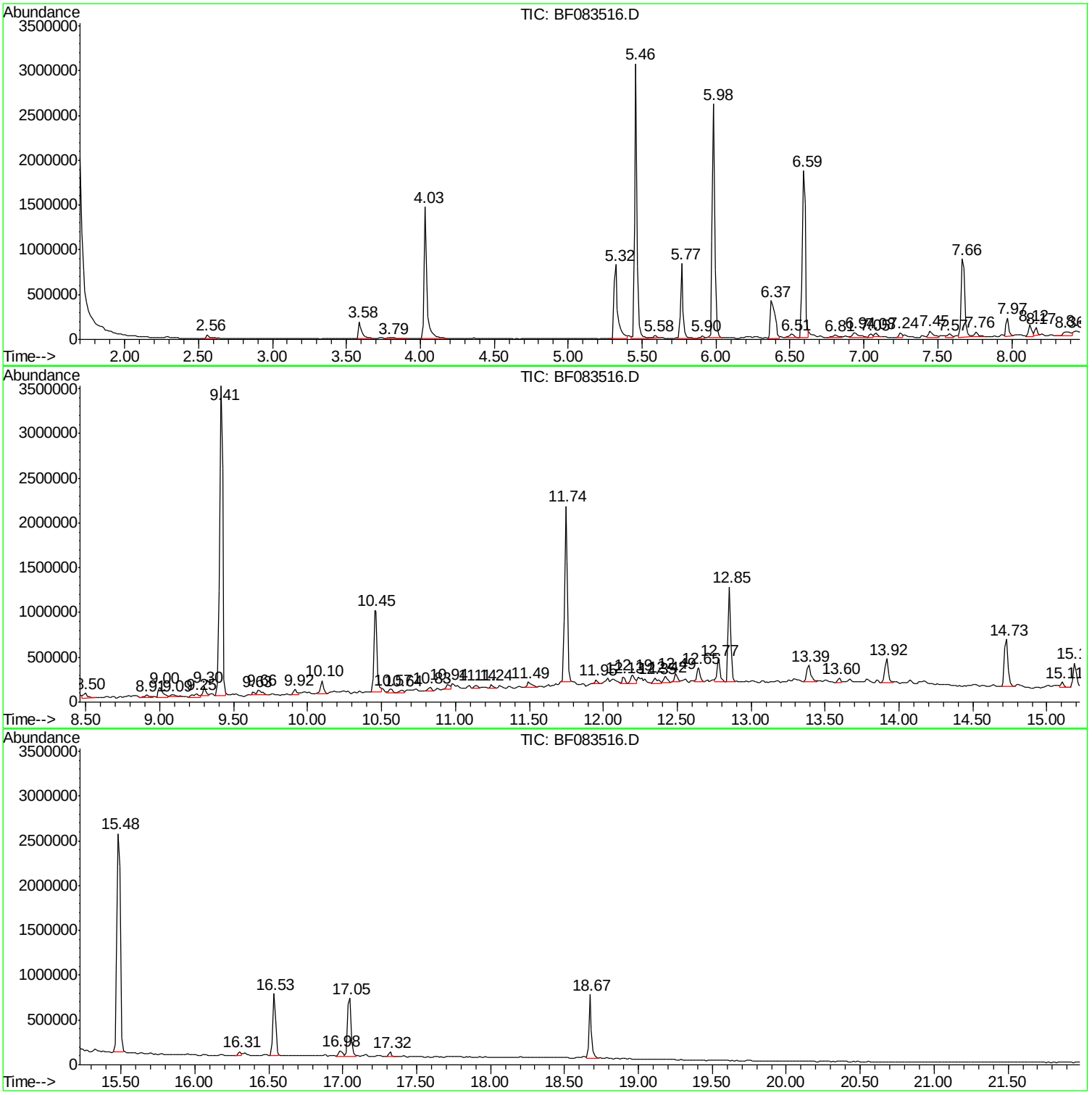
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

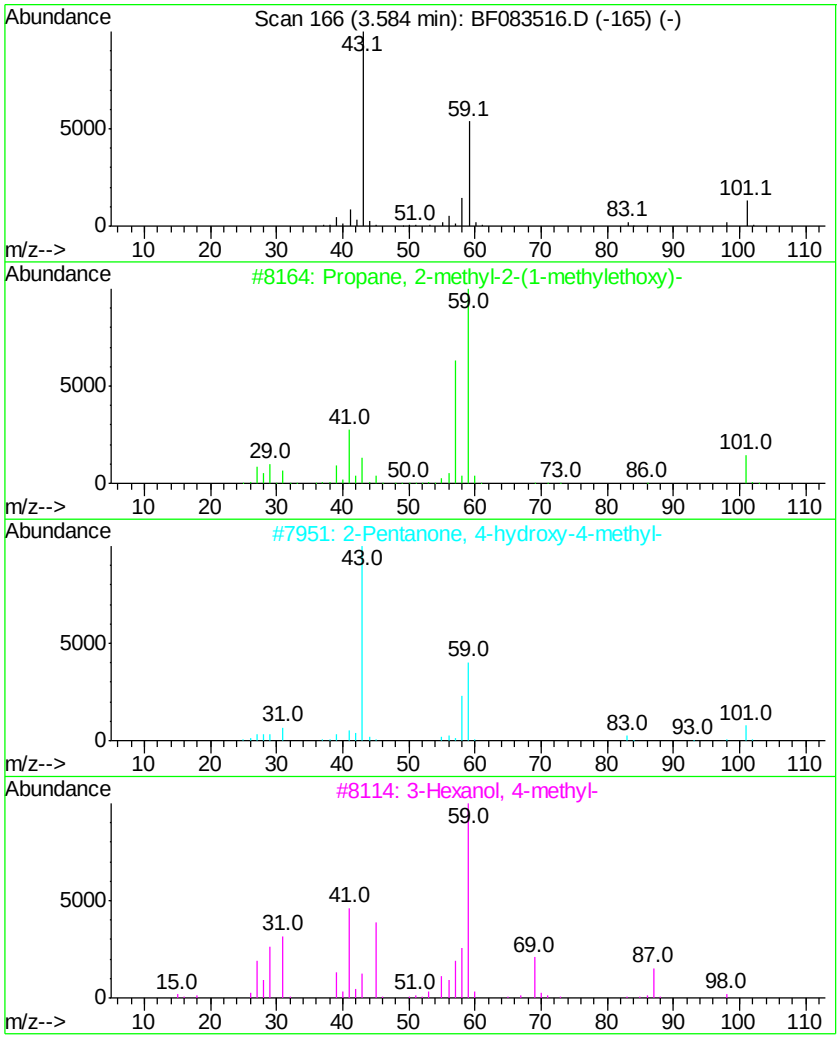
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

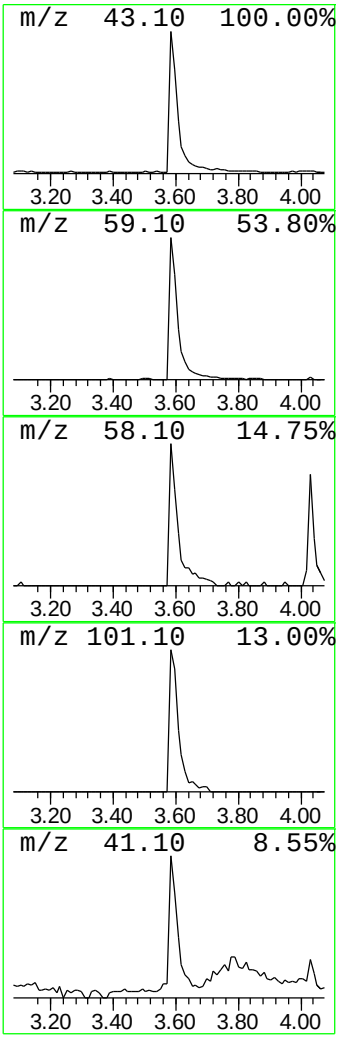
****

Peak Number 1 Propane, 2-methyl-2-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.58	6.59 ng	339742	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	3-Hexanol	102	C6H14O	000623-37-0	33
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

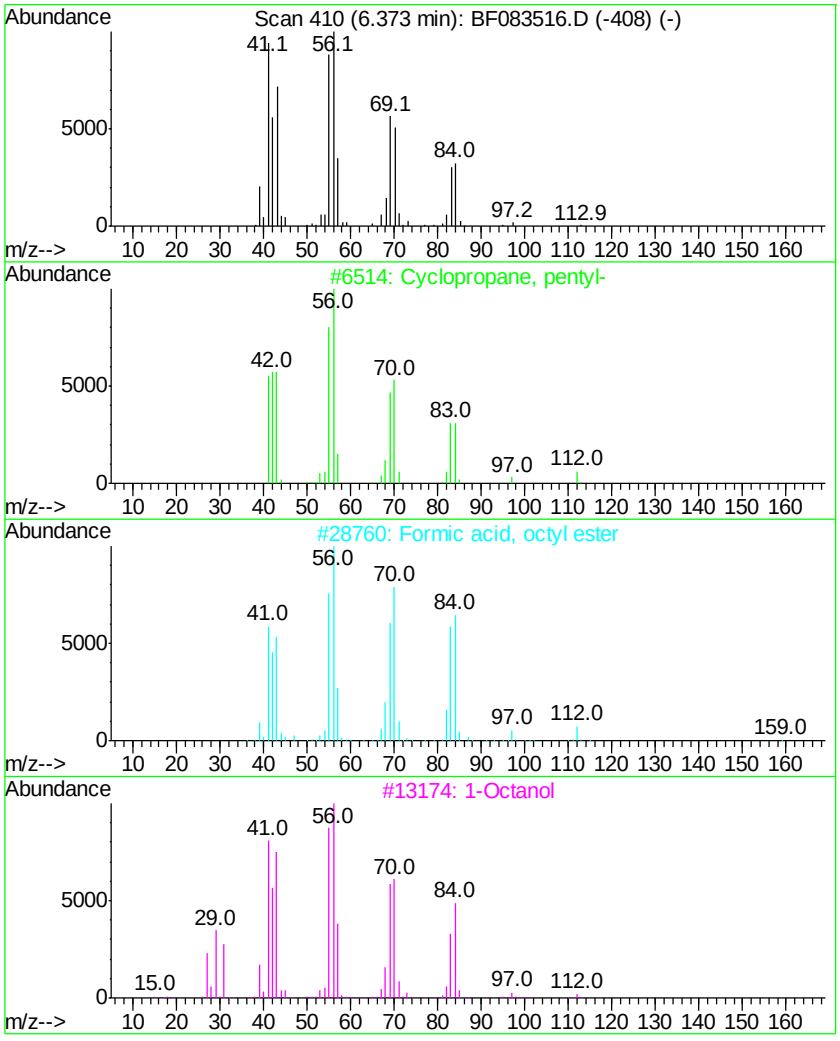
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

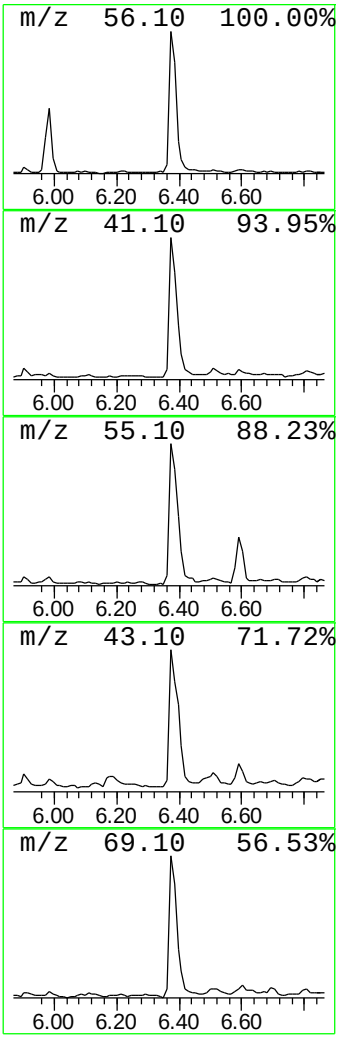
****

Peak Number 4 Cyclopropane, pentyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	17.29 ng	891075	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, pentyl-	112	C8H16	002511-91-3	86
2	Formic acid, octyl ester	158	C9H18O2	000112-32-3	86
3	1-Octanol	130	C8H18O	000111-87-5	83
4	1-Heptene	98	C7H14	000592-76-7	64
5	Heptanol	116	C7H16O	053535-33-4	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

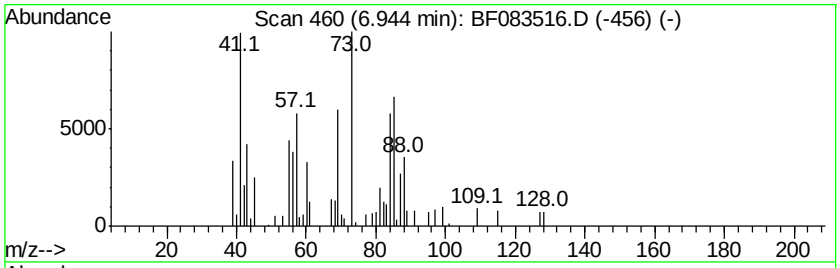
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

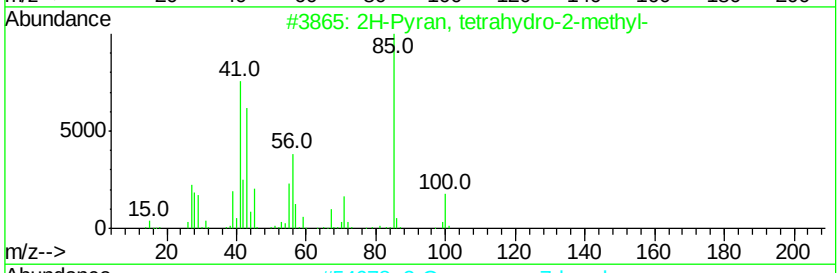
****

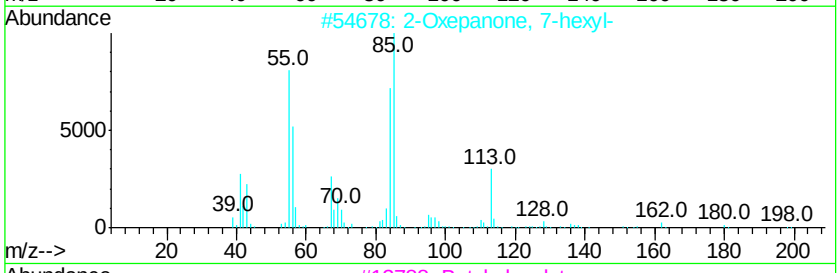
Peak Number 5 unknown6.94 Concentration Rank 19

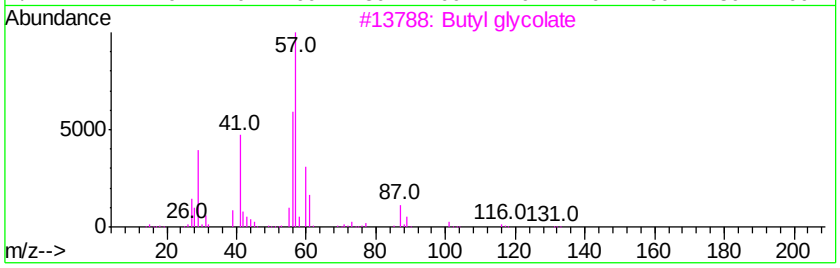
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	2.25 ng	152413	Naphthalene-d8	7.66

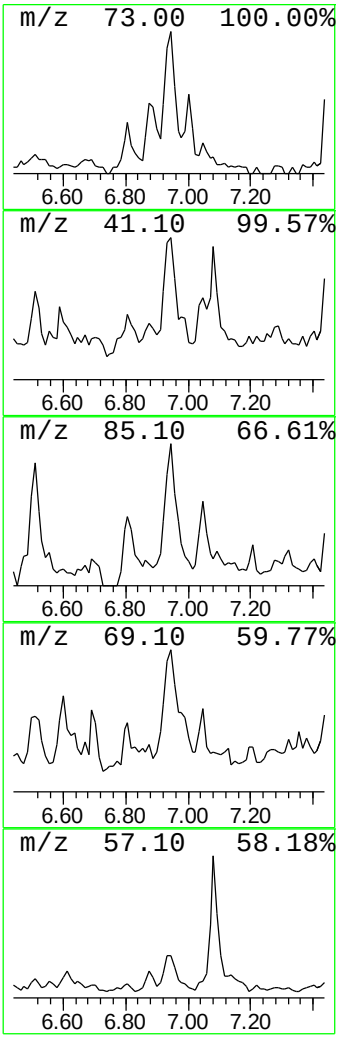
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	27
2	2-Oxepanone, 7-hexyl-	198	C12H22O2	016429-21-3	27
3	Butyl glycolate	132	C6H12O3	007397-62-8	27
4	2-Methyl-2-pentyl methylphosphon...	182	C7H16FO2P	1000216-67-8	27
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	22











Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

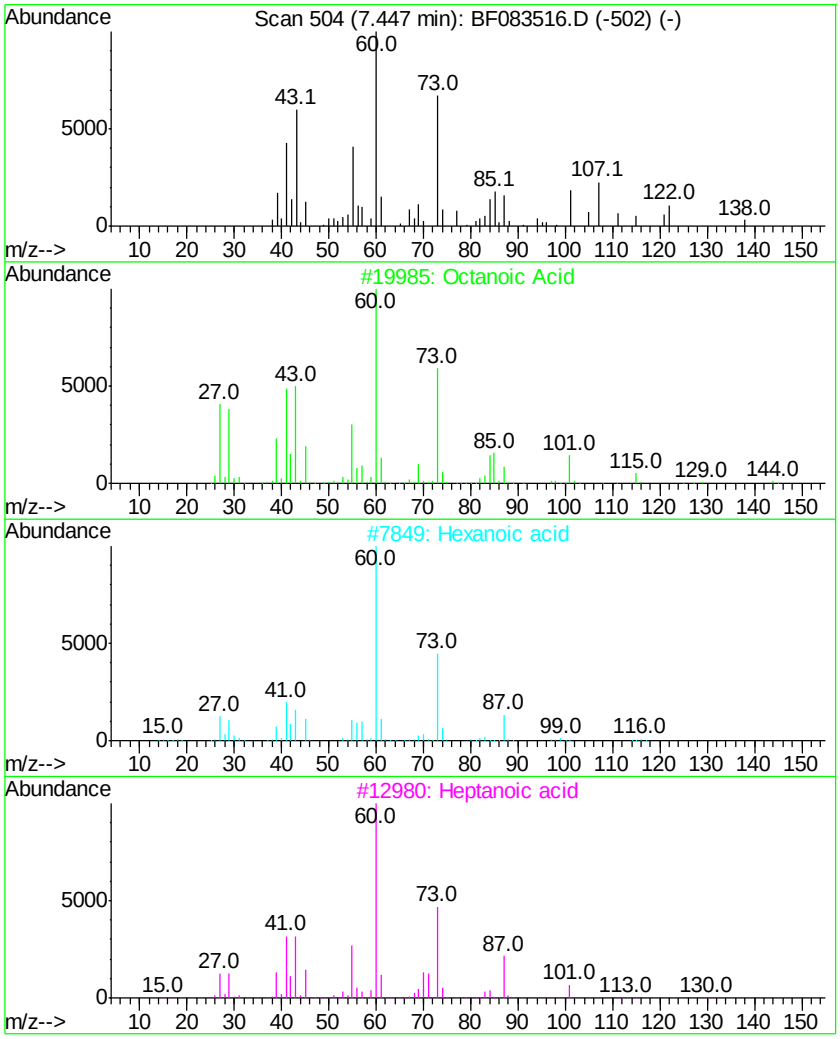
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

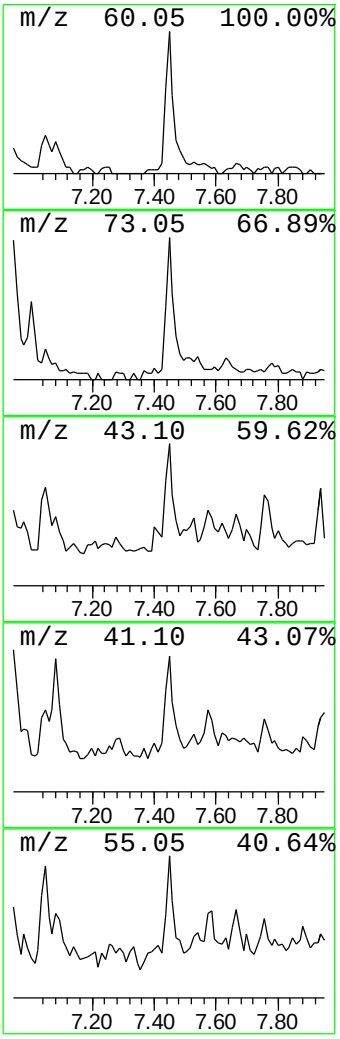
****

Peak Number 6 Octanoic Acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	2.40 ng	162460	Naphthalene-d8	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanoic Acid	144	C8H16O2	000124-07-2	64
2	Hexanoic acid	116	C6H12O2	000142-62-1	47
3	Heptanoic acid	130	C7H14O2	000111-14-8	42
4	Propanedioic acid, propyl-	146	C6H10O4	000616-62-6	38
5	Butanoic acid	88	C4H8O2	000107-92-6	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

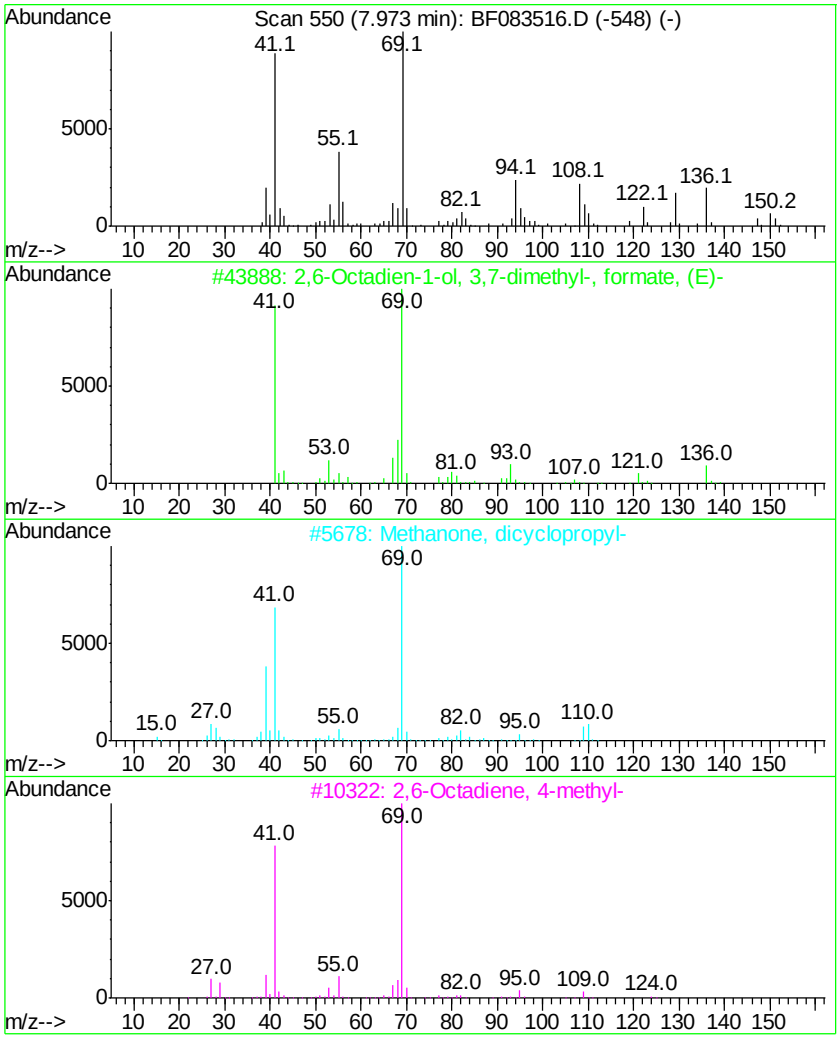
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

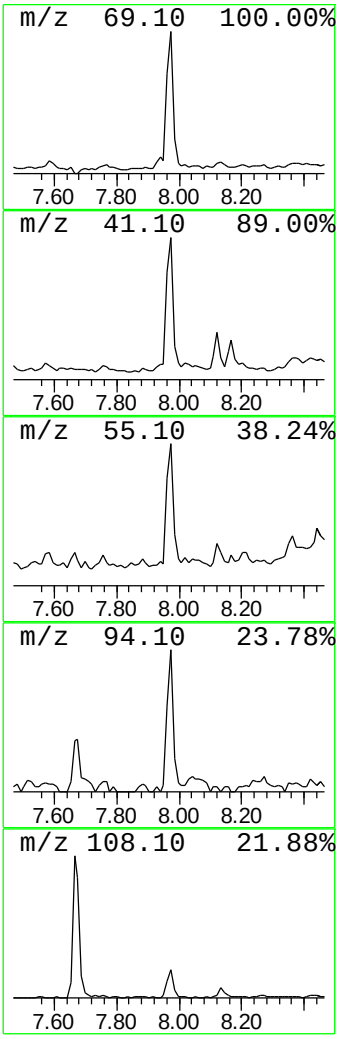
****

Peak Number 7 unknown7.97 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	3.99 ng	269733	Naphthalene-d8	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Octadien-1-ol, 3,7-dimethyl-...	182	C11H18O2	000105-86-2	37
2	Methanone, dicyclopropyl-	110	C7H10O	001121-37-5	35
3	2,6-Octadiene, 4-methyl-	124	C9H16	074498-94-5	35
4	1,6-Octadiene, 3,5-dimethyl-, tr...	138	C10H18	074630-87-8	35
5	2-Octene, 2-methyl-6-methylene-	138	C10H18	010054-09-8	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

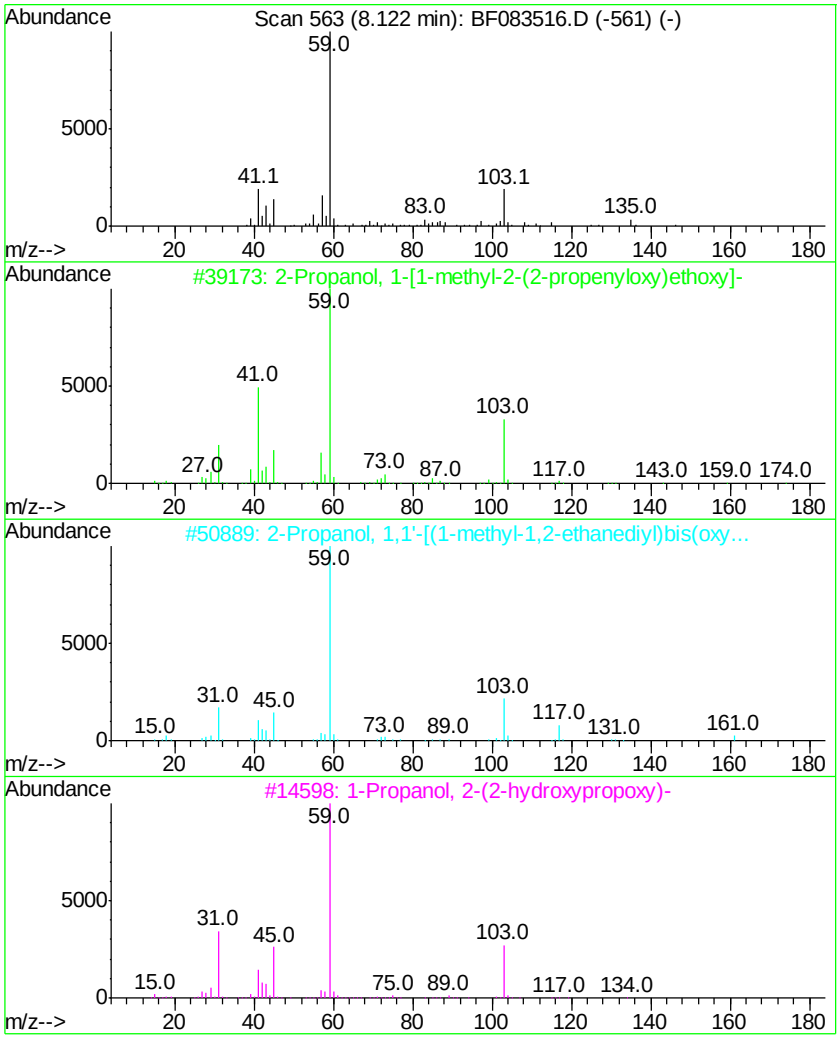
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

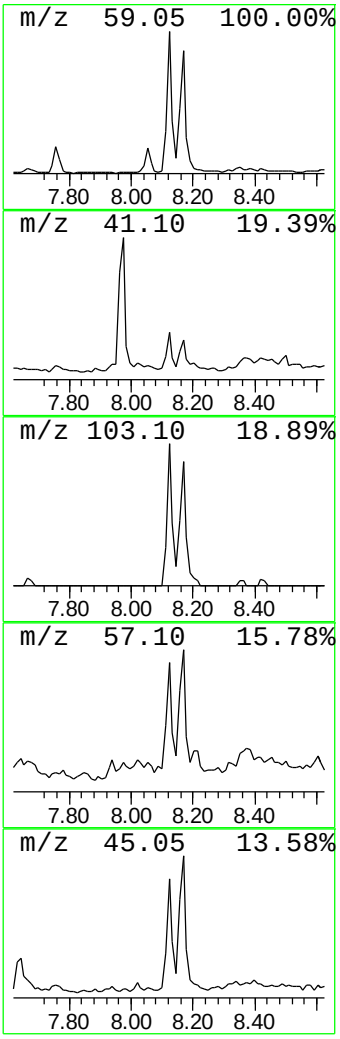
****

Peak Number 8 2-Propanol, 1-[1-methyl-2-(... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	2.64 ng	178765	Naphthalene-d8	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	78
2	2-Propanol, 1,1'-[(1-methyl-1,2-...	192	C9H20O4	001638-16-0	72
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	72
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	64
5	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

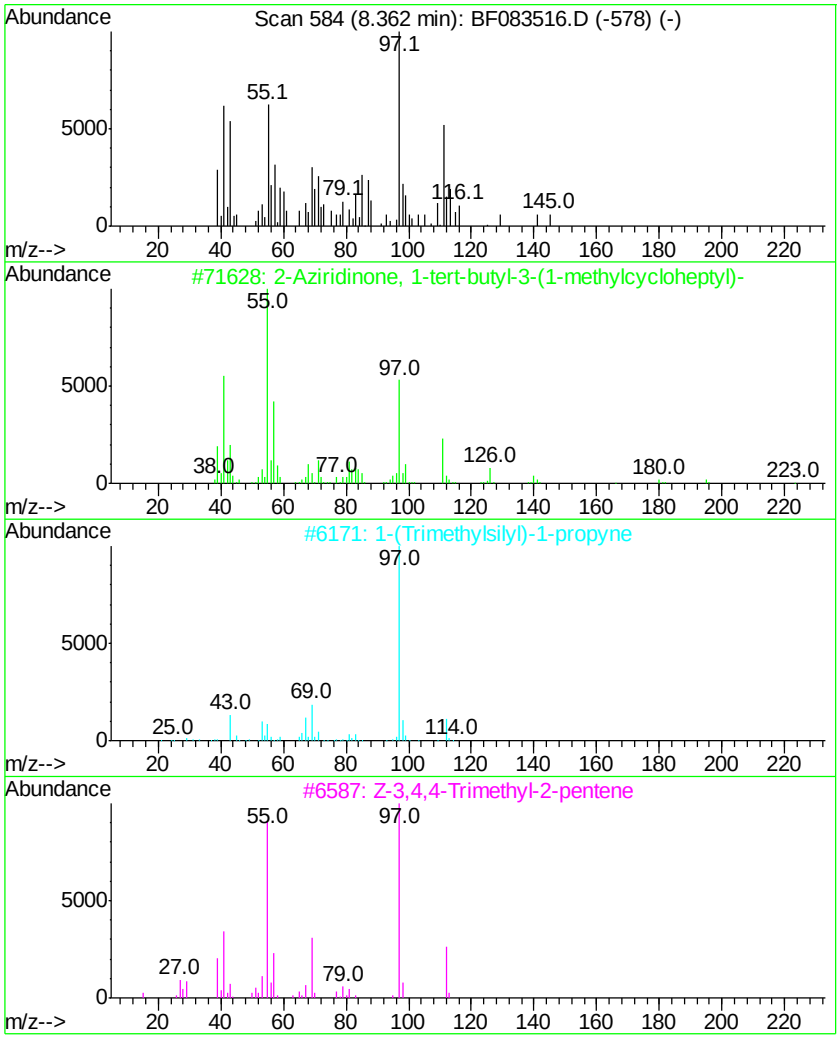
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

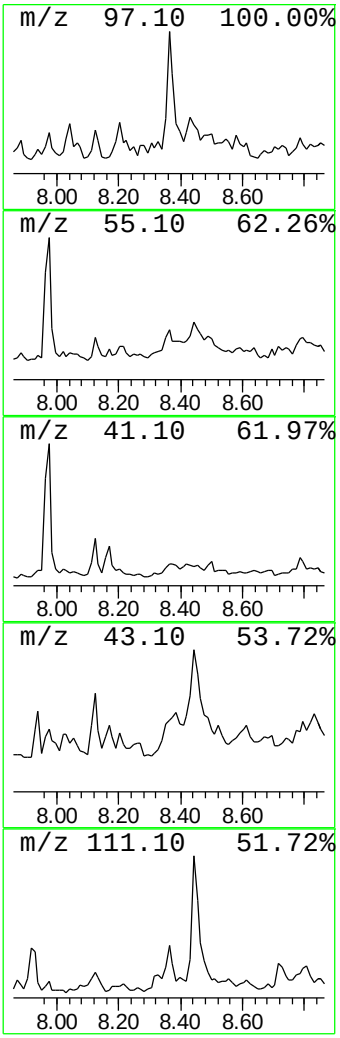
****

Peak Number 9 unknown8.36 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	2.45 ng	165748	Naphthalene-d8	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Aziridinone, 1-tert-butyl-3-(1...	223	C14H25NO	026944-18-3	37
2	1-(Trimethylsilyl)-1-propyne	112	C6H12Si	006224-91-5	27
3	Z-3,4,4-Trimethyl-2-pentene	112	C8H16	039761-64-3	27
4	2-Cyclohexen-1-ol, 3-methyl-	112	C7H12O	021378-21-2	16
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	16





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

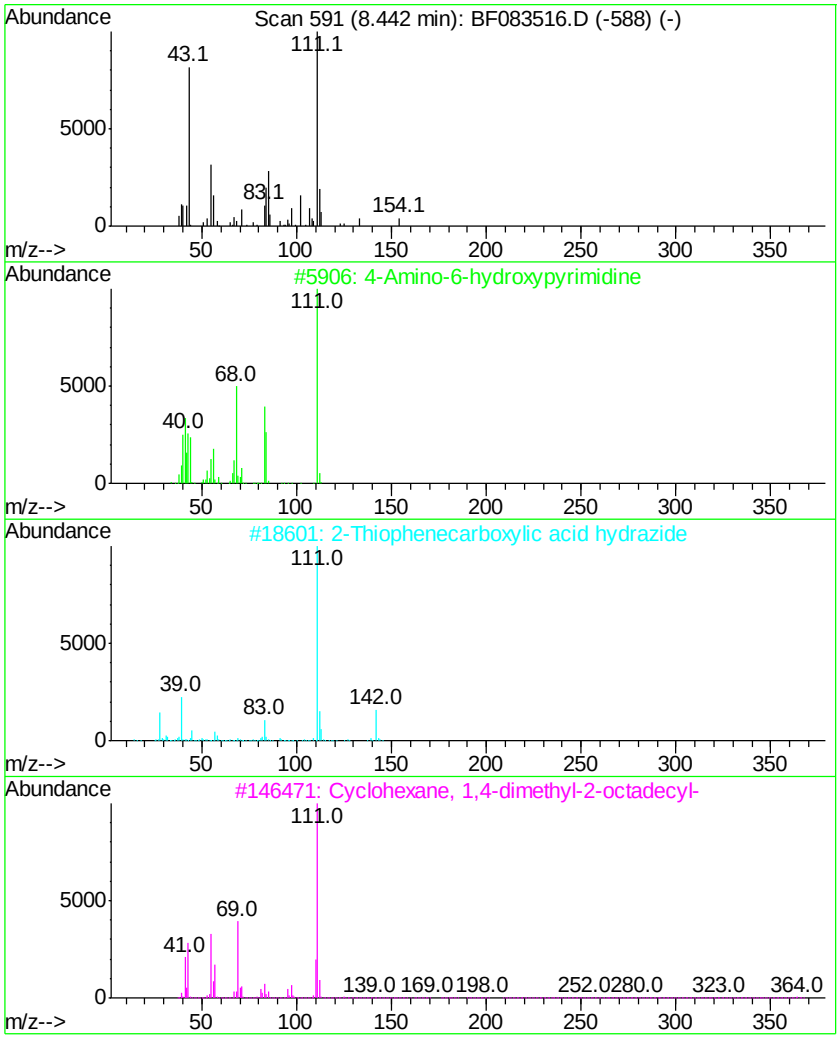
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

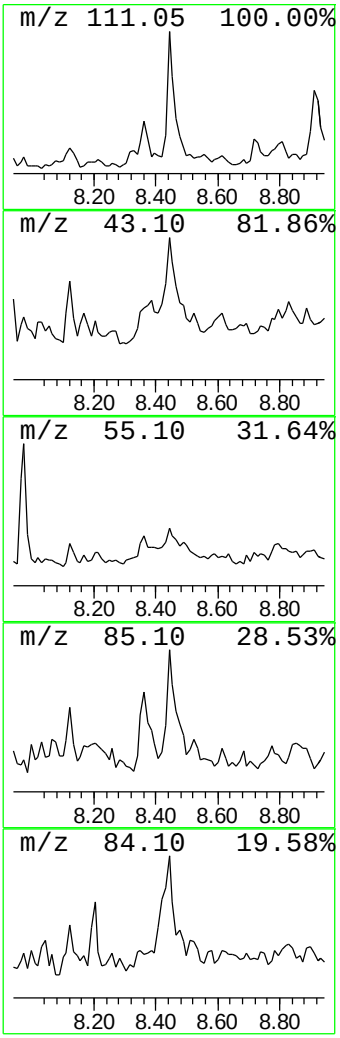
****

Peak Number 10 unknown8.44 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	2.49 ng	168556	Naphthalene-d8	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	43
2	2-Thiophenecarboxylic acid hydra...	142	C5H6N2OS	002361-27-5	38
3	Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	37
4	2-Thiophenecarboxylic acid, 2-pe...	338	C20H34O2S	1000280-66-4	28
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

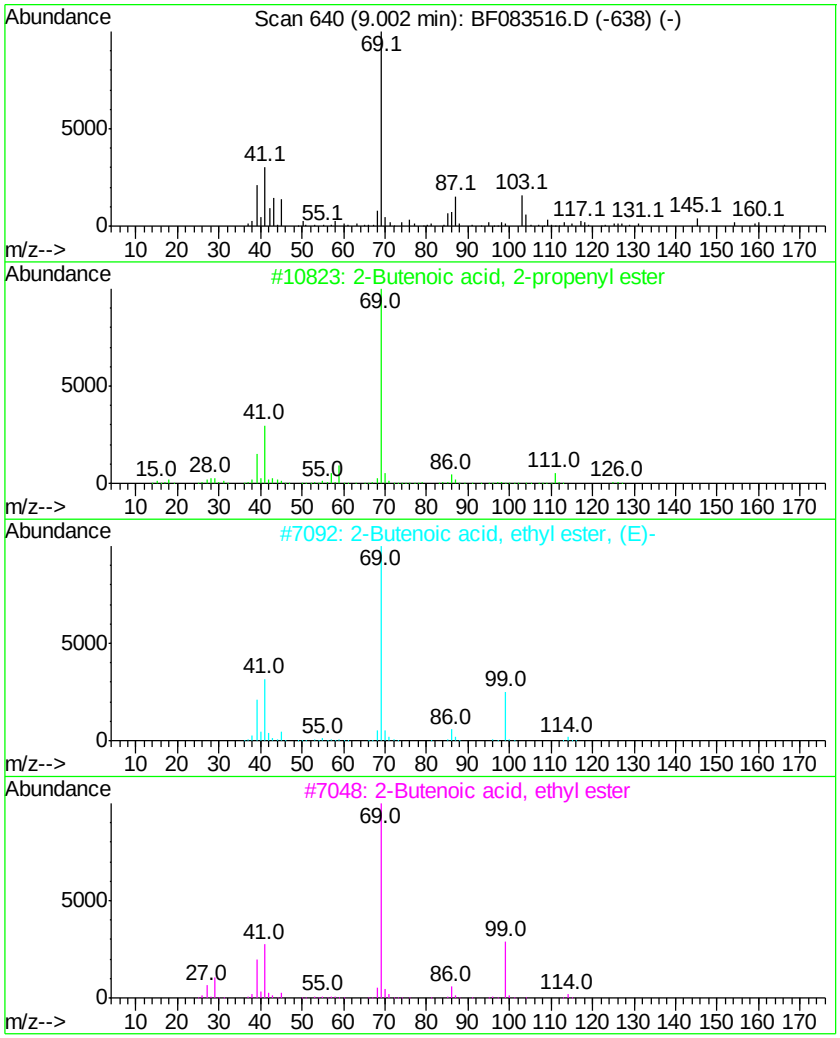
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

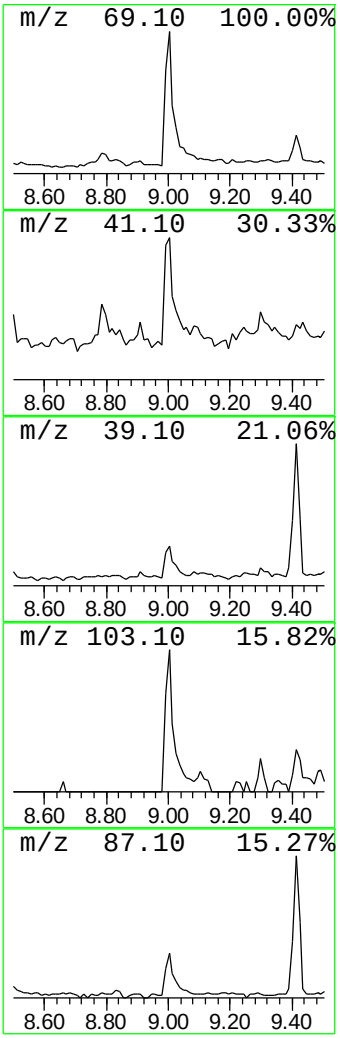
****

Peak Number 11 unknown9.00 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.00	3.38 ng	228294	Naphthalene-d8	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenoic acid, 2-propenyl ester	126	C7H10O2	020474-93-5	40
2	2-Butenoic acid, ethyl ester, (E)-	114	C6H10O2	000623-70-1	40
3	2-Butenoic acid, ethyl ester	114	C6H10O2	010544-63-5	38
4	Ethyl cyclopropanecarboxylate	114	C6H10O2	004606-07-9	38
5	2-Butenoic acid, 2-propenylidene...	210	C11H14O4	055030-70-1	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

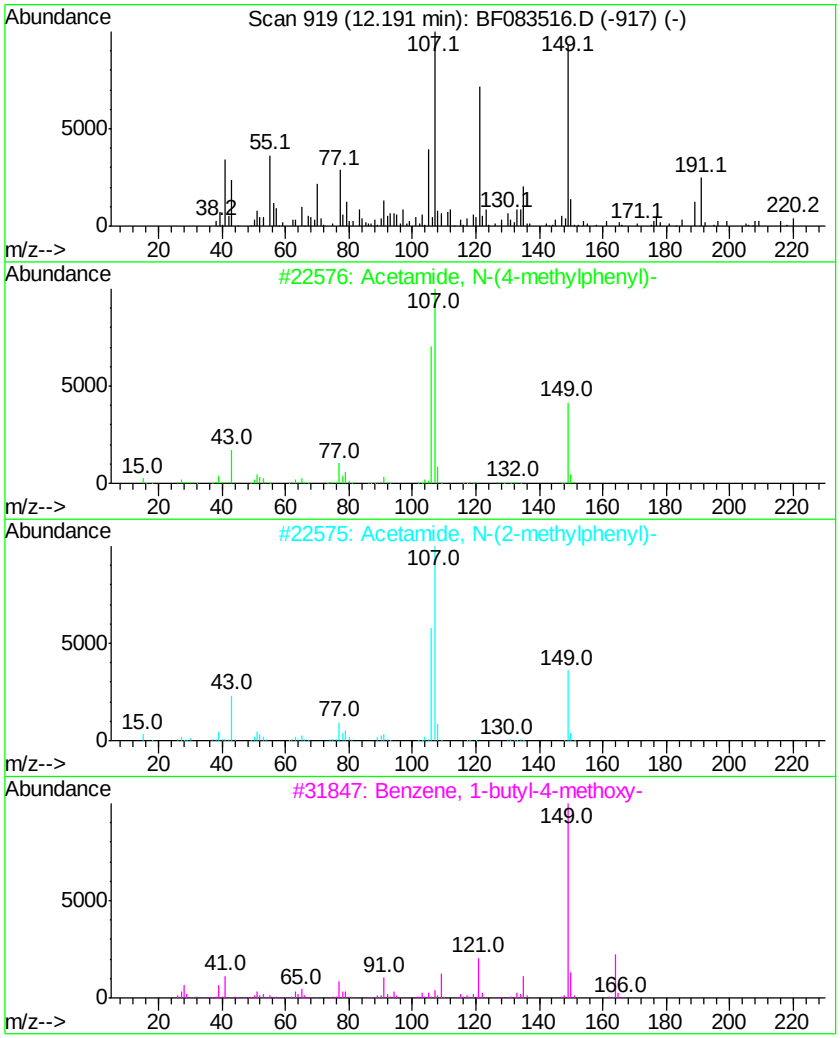
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

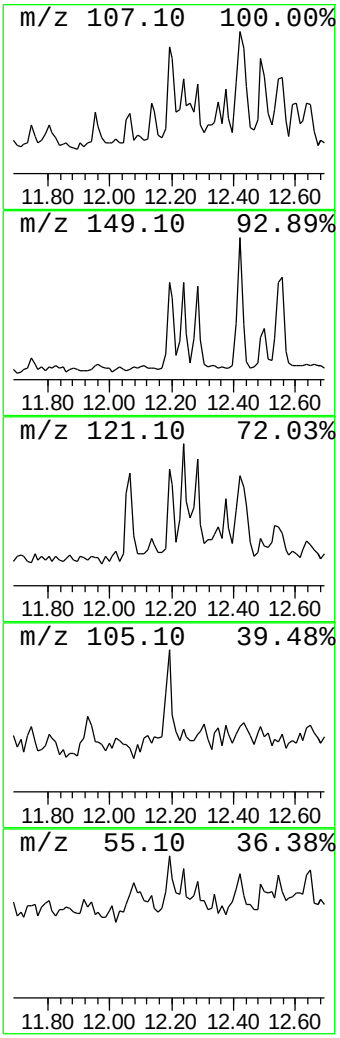
****

Peak Number 12 Acetamide, N-(4-methylphenyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	3.13 ng	203402	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(4-methylphenyl)-	149	C9H11NO	000103-89-9	52
2	Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	52
3	Benzene, 1-butyl-4-methoxy-	164	C11H16O	018272-84-9	35
4	Phenol, 2-propyl-	136	C9H12O	000644-35-9	30
5	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

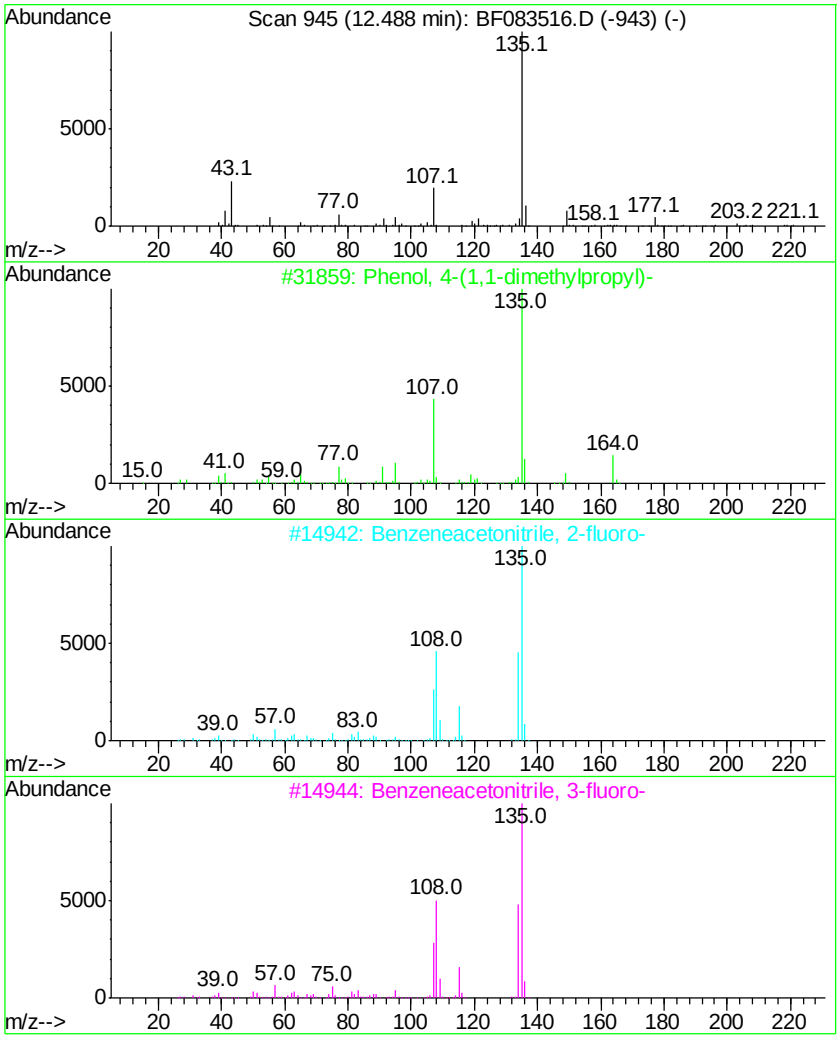
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

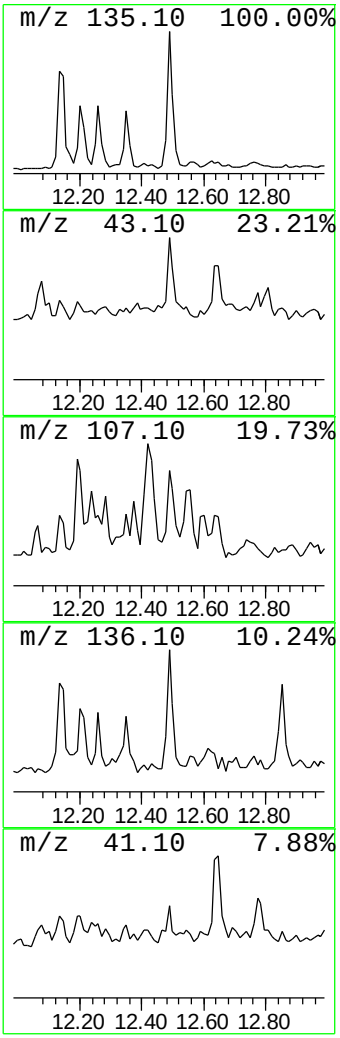
****

Peak Number 13 Phenol, 4-(1,1-dimethylprop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	2.16 ng	140686	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	72
2	Benzeneacetonitrile, 2-fluoro-	135	C8H6FN	000326-62-5	64
3	Benzeneacetonitrile, 3-fluoro-	135	C8H6FN	000501-00-8	64
4	Benzeneacetonitrile, 4-fluoro-	135	C8H6FN	000459-22-3	64
5	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

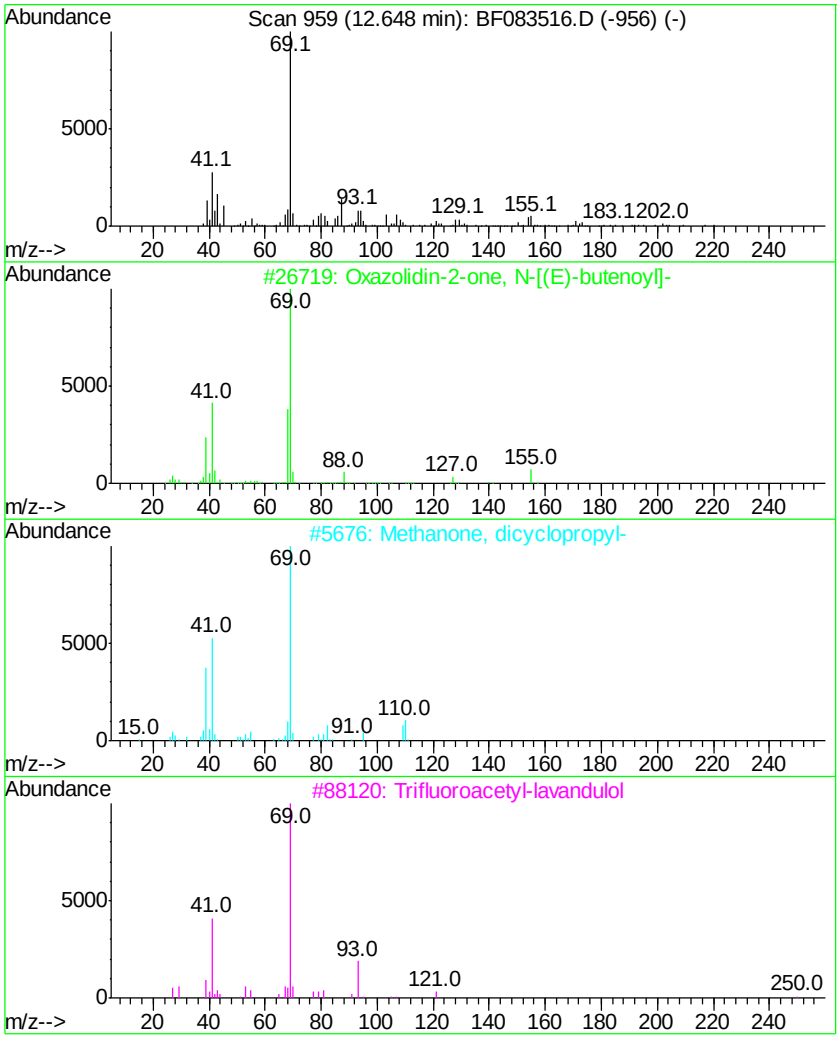
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

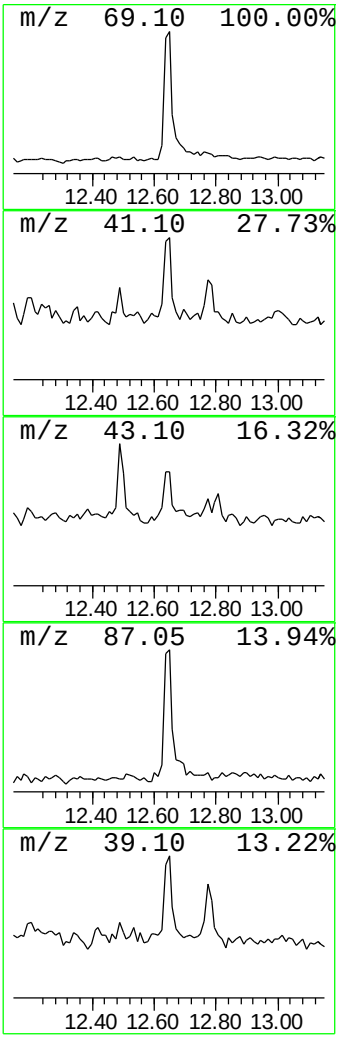
****

Peak Number 14 Oxazolidin-2-one, N-[(E)-bu... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	3.81 ng	247606	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxazolidin-2-one, N-[(E)-butenoyl]-	155	C7H9NO3	1000156-45-5	50
2	Methanone, dicyclopropyl-	110	C7H10O	001121-37-5	47
3	Trifluoroacetyl-lavandulol	250	C12H17F3O2	028673-24-7	47
4	1,5-Heptadiene, 3,4-dimethyl-	124	C9H16	1000061-77-9	47
5	Cyclopropanecarboxylic acid,buty...	142	C8H14O2	054947-39-6	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

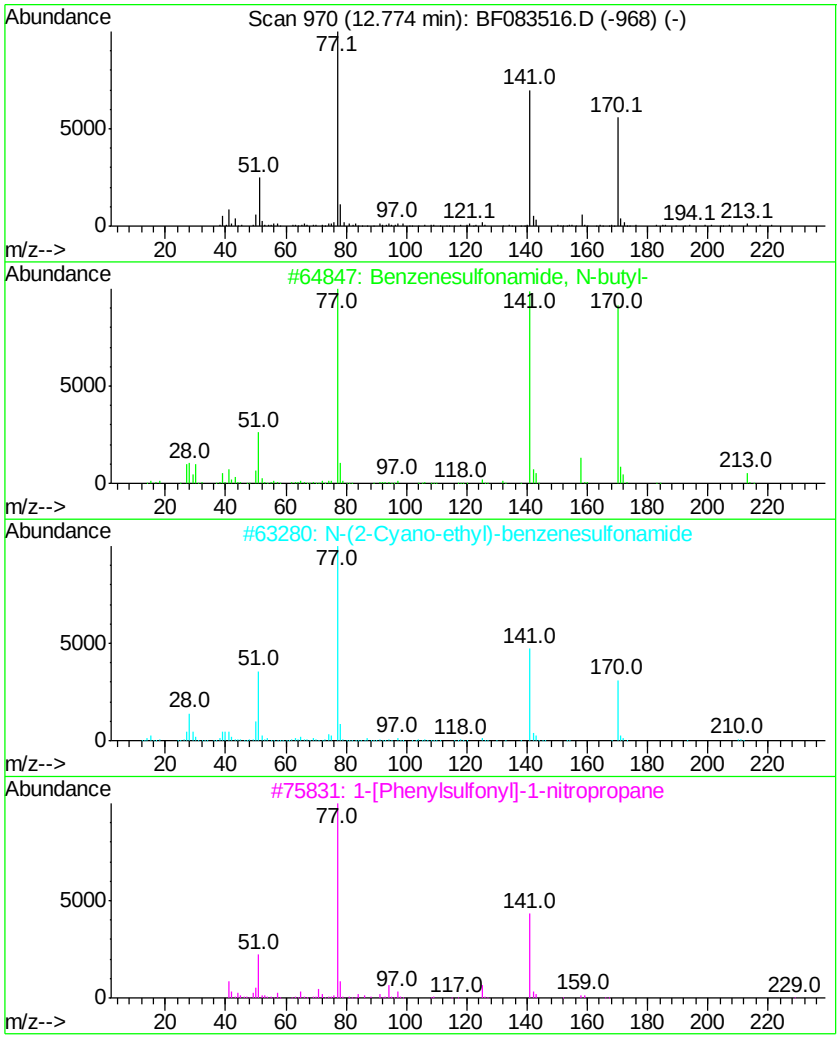
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

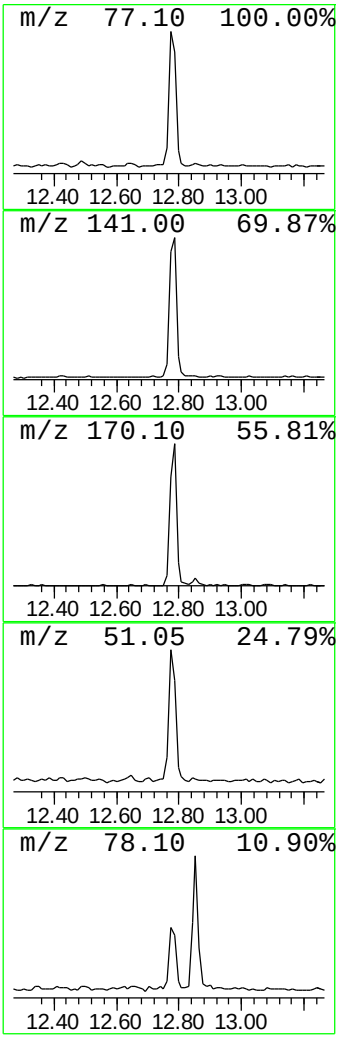
****

Peak Number 15 Benzenesulfonamide, N-butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	6.48 ng	421465	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonamide, N-butyl-	213	C10H15NO2S	003622-84-2	90
2	N-(2-Cyano-ethyl)-benzenesulfona...	210	C9H10N2O2S	002619-21-8	72
3	1-[Phenylsulfonyl]-1-nitropropane	229	C9H11NO4S	021272-84-4	59
4	N,N-Dichlorobenzenesulfonamide	225	C6H5Cl2NO2S	000473-29-0	59
5	Benzenesulfonyl chloride	176	C6H5ClO2S	000098-09-9	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

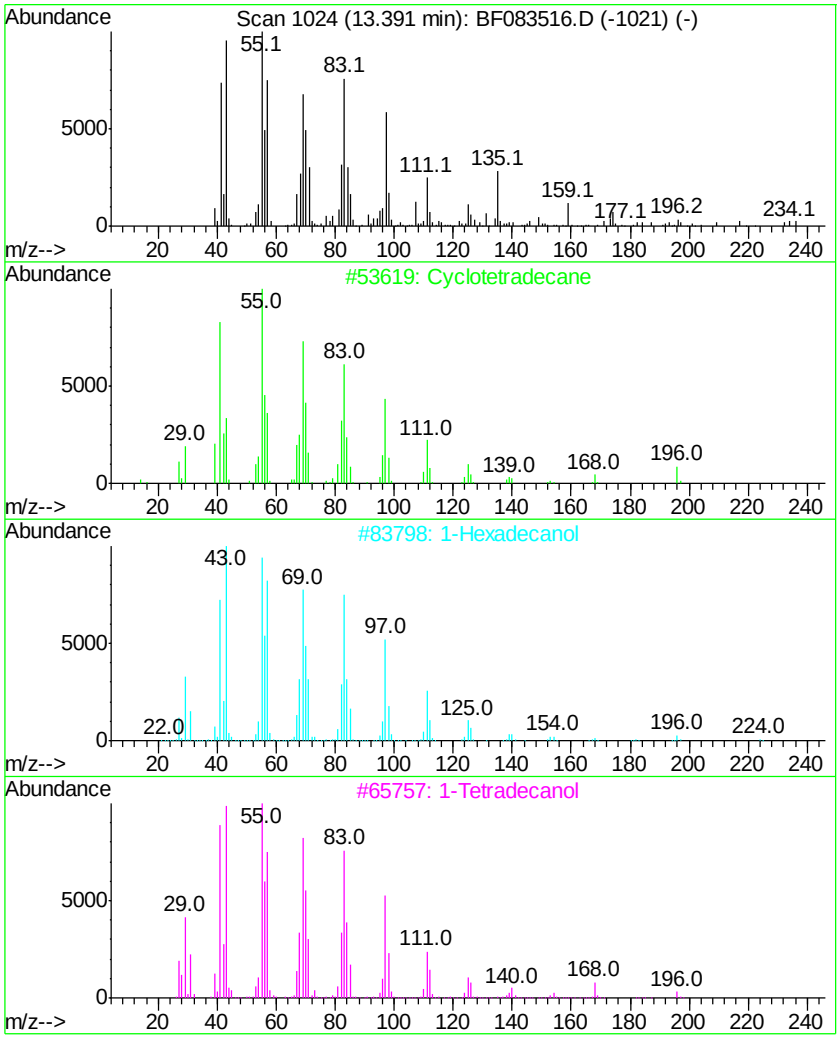
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

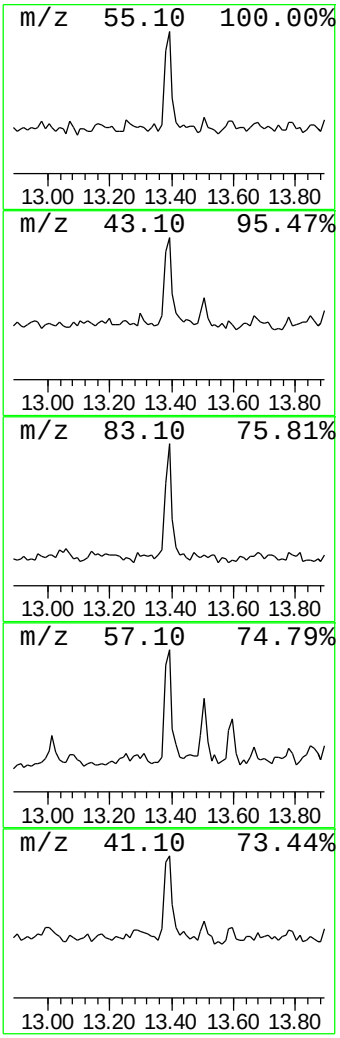
****

Peak Number 16 Cyclotetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	5.03 ng	327254	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	93
2	1-Hexadecanol	242	C16H34O	036653-82-4	93
3	1-Tetradecanol	214	C14H30O	000112-72-1	90
4	1-Hexadecene	224	C16H32	000629-73-2	90
5	5-Octadecene, (E)-	252	C18H36	007206-21-5	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

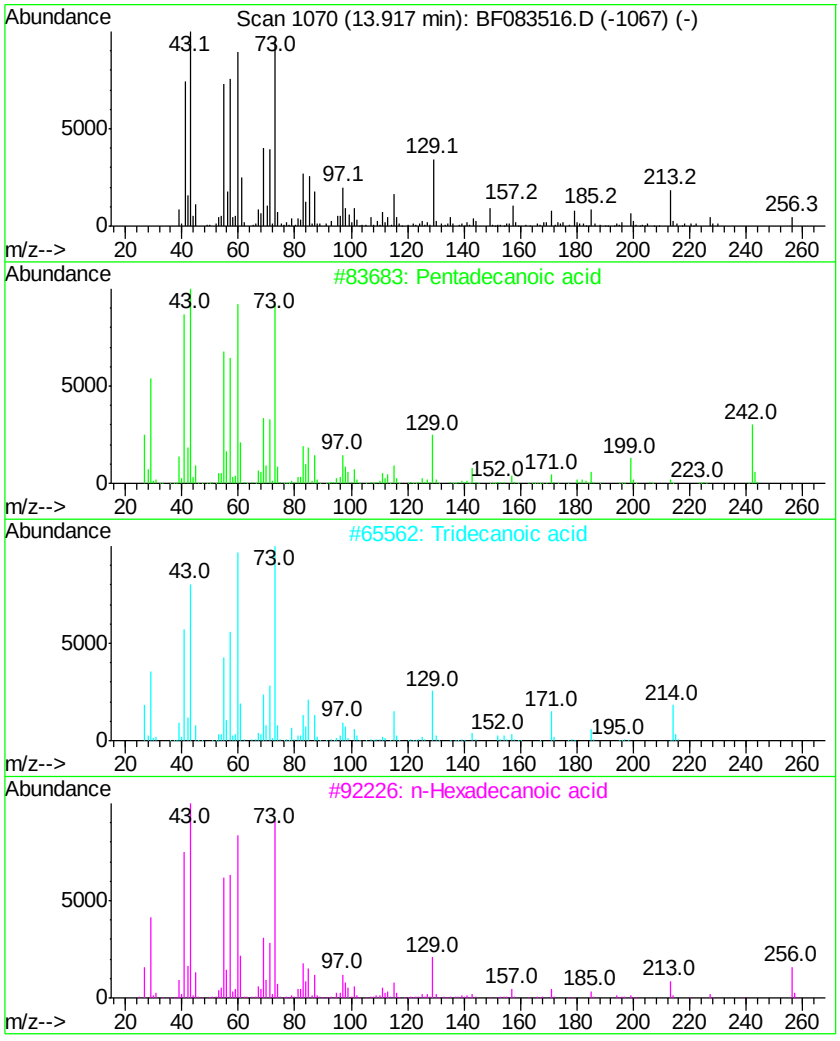
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

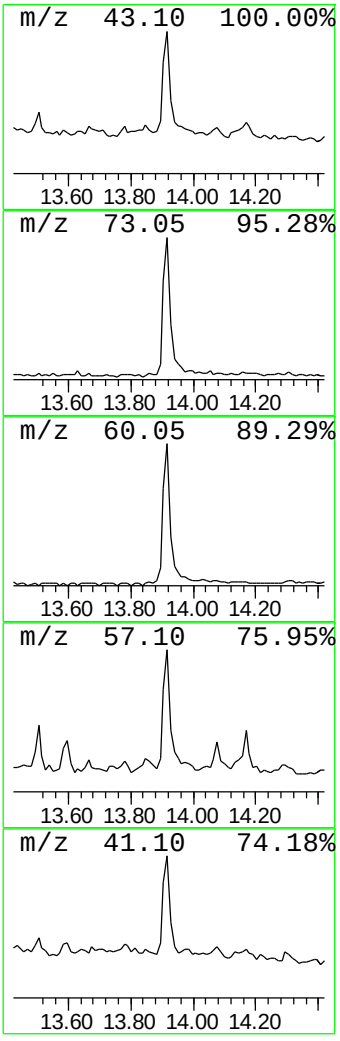
****

Peak Number 17 Pentadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	6.52 ng	424081	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
2	Tridecanoic acid	214	C13H26O2	000638-53-9	81
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	Dodecanoic acid	200	C12H24O2	000143-07-7	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

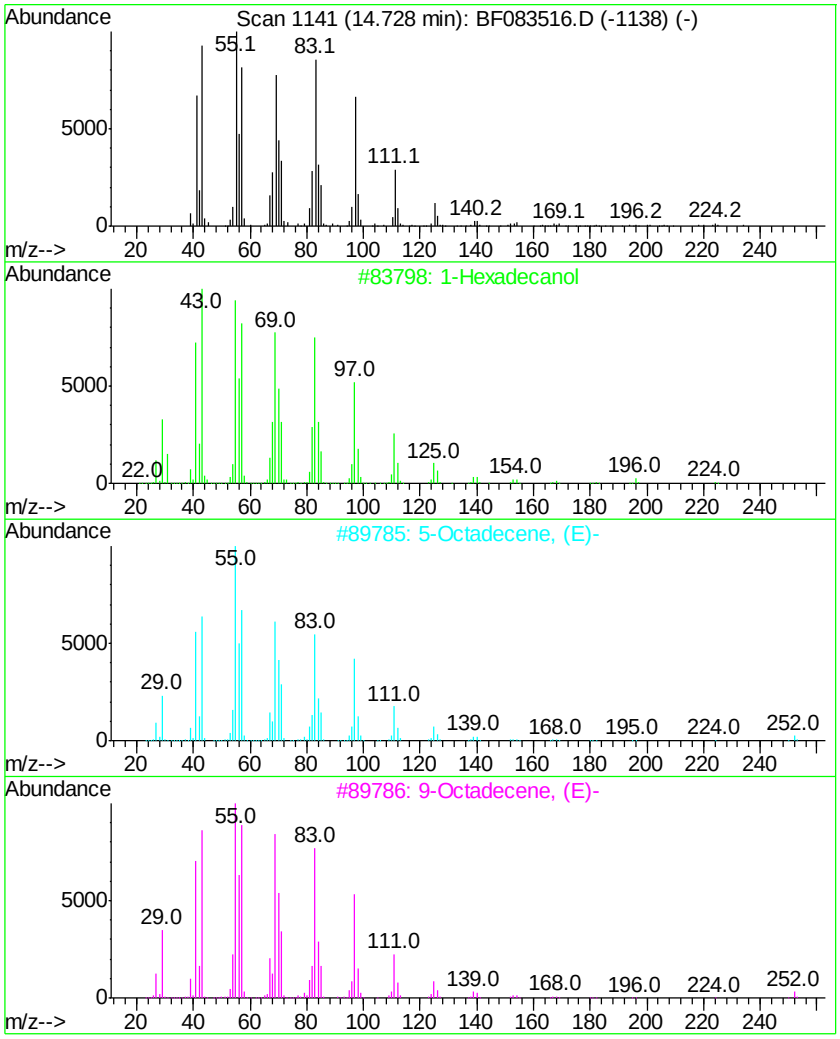
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

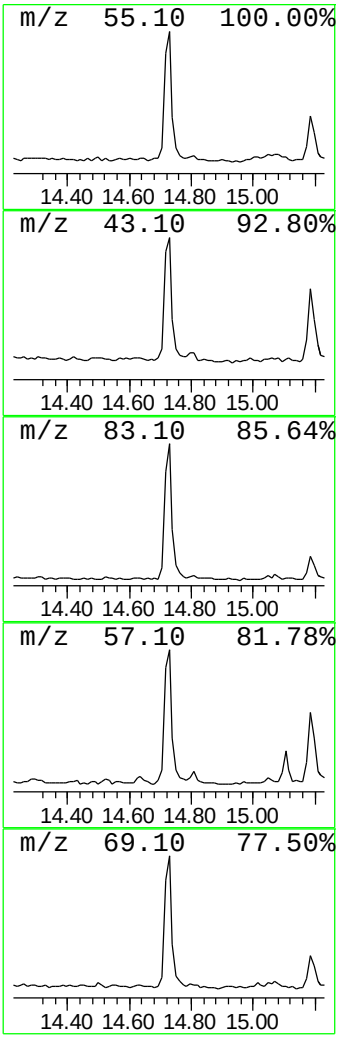
****

Peak Number 18 1-Hexadecanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	13.13 ng	854258	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanol	242	C16H34O	036653-82-4	94
2	5-Octadecene, (E)-	252	C18H36	007206-21-5	91
3	9-Octadecene, (E)-	252	C18H36	007206-25-9	91
4	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	91
5	9-Eicosene, (E)-	280	C20H40	074685-29-3	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

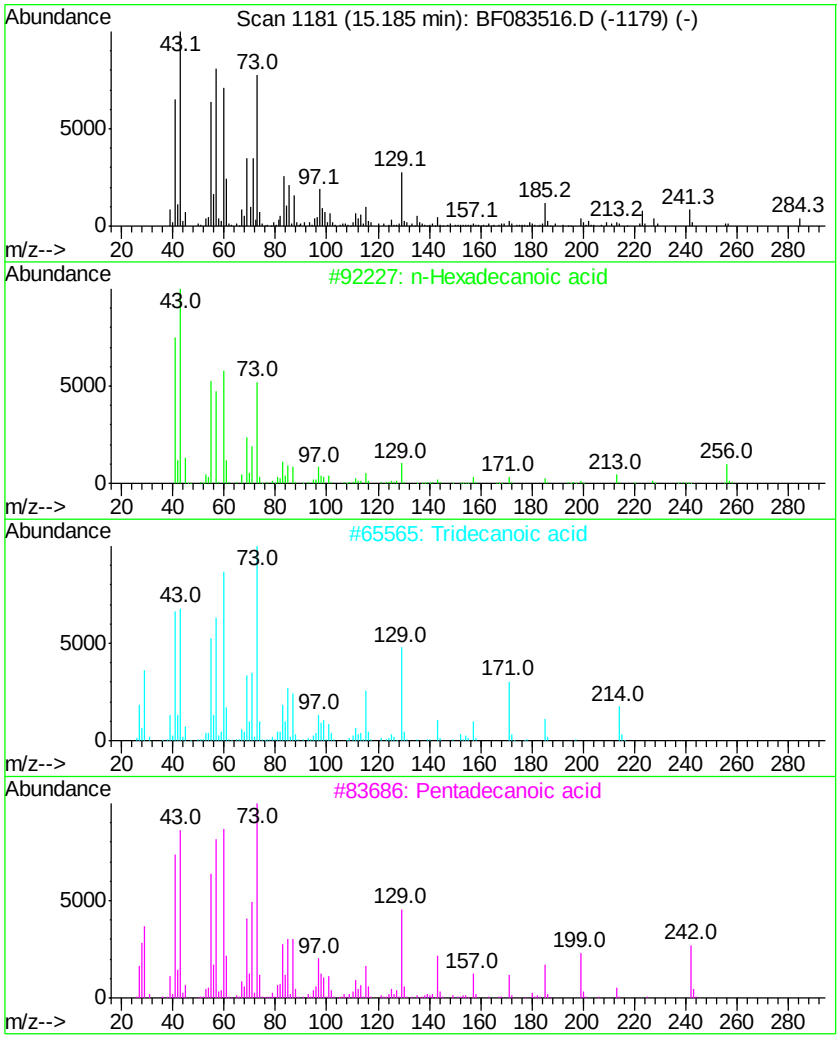
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

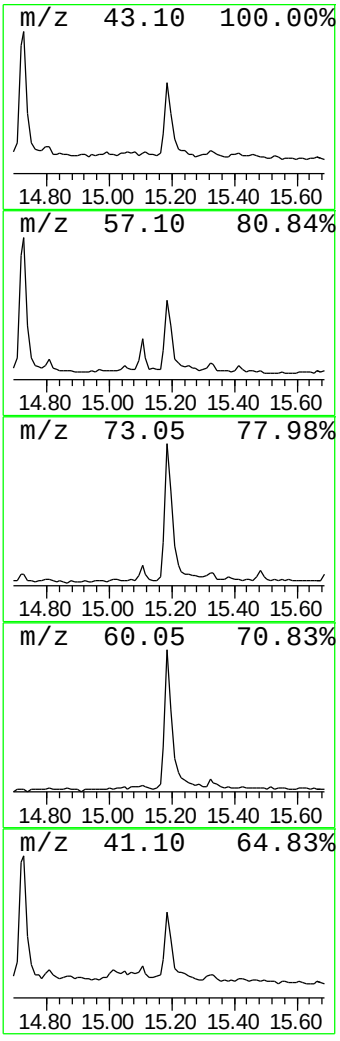
****

Peak Number 19 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	10.59 ng	541128	Chrysene-d12	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Undecanoic acid	186	C11H22O2	000112-37-8	56





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

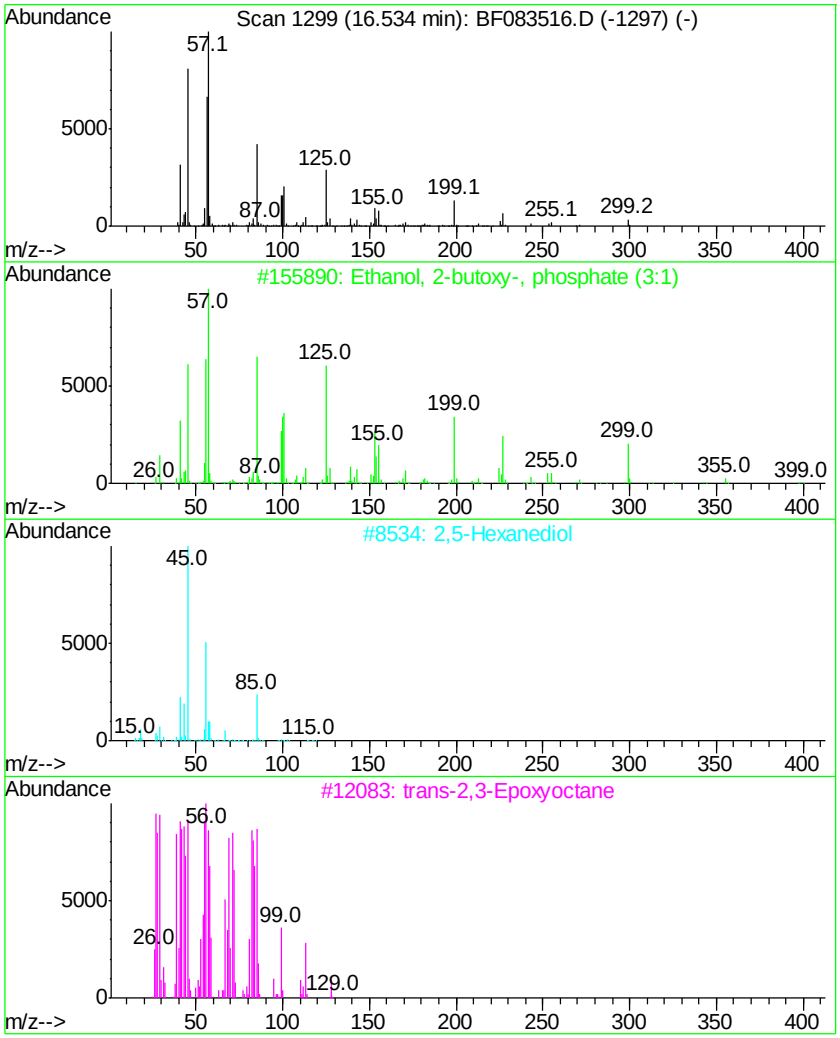
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

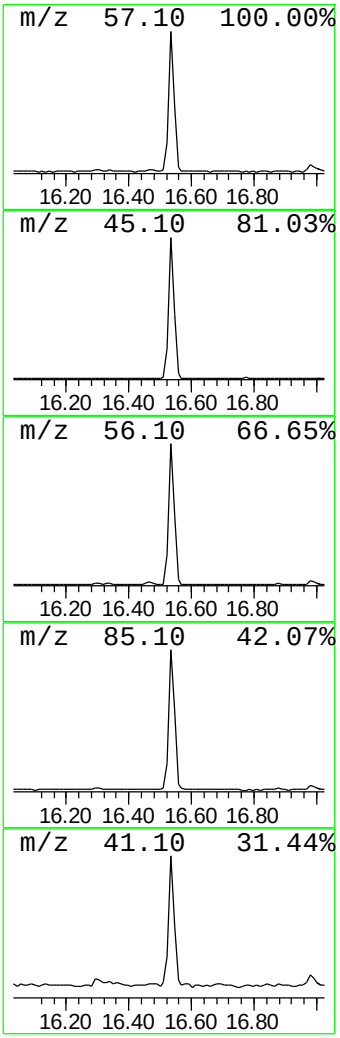
****

Peak Number 20 Ethanol, 2-butoxy-, phospha... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	16.68 ng	852050	Chrysene-d12	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-, phosphate (3:1)	398	C18H39O7P	000078-51-3	90
2	2,5-Hexanediol	118	C6H14O2	002935-44-6	50
3	trans-2,3-Epoxyoctane	128	C8H16O	028180-70-3	47
4	Butane, 1-(1-methylpropoxy)-	130	C8H18O	000999-65-5	35
5	Di-sec-butyl ether	130	C8H18O	006863-58-7	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120415\
Data File : BF083516.D
Acq On : 5 Dec 2015 15:56
Operator : UM/IZ
Sample : G4588-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-19

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.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-methyl...	3.58	6.6	ng	339742	1	5.77	1030690	20.0
Cyclopropane, pen...	6.37	17.3	ng	891075	1	5.77	1030690	20.0
unknown6.94	6.94	2.3	ng	152413	2	7.66	1351790	20.0
Octanoic Acid	7.45	2.4	ng	162460	2	7.66	1351790	20.0
unknown7.97	7.97	4.0	ng	269733	2	7.66	1351790	20.0
2-Propanol, 1-[1-...	8.12	2.6	ng	178765	2	7.66	1351790	20.0
unknown8.36	8.36	2.5	ng	165748	2	7.66	1351790	20.0
unknown8.44	8.44	2.5	ng	168556	2	7.66	1351790	20.0
unknown9.00	9.00	3.4	ng	228294	2	7.66	1351790	20.0
Acetamide, N-(4-m...	12.19	3.1	ng	203402	4	12.85	1301050	20.0
Phenol, 4-(1,1-di...	12.49	2.2	ng	140686	4	12.85	1301050	20.0
Oxazolidin-2-one,...	12.65	3.8	ng	247606	4	12.85	1301050	20.0
Benzenesulfonamid...	12.77	6.5	ng	421465	4	12.85	1301050	20.0
Cyclotetradecane	13.39	5.0	ng	327254	4	12.85	1301050	20.0
Pentadecanoic acid	13.92	6.5	ng	424081	4	12.85	1301050	20.0
1-Hexadecanol	14.73	13.1	ng	854258	4	12.85	1301050	20.0
n-Hexadecanoic acid	15.19	10.6	ng	541128	5	17.05	1021790	20.0
Ethanol, 2-butoxy...	16.53	16.7	ng	852050	5	17.05	1021790	20.0