LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

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-BF012916.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	3.184	92	96	101	rBV	215510	385374	5.63%	0.537%
2	3.778	145	148	154	rVB	429436	729805	10.66%	1.016%
3	4.224	184	187	190	rBV	3331532	4615936	67.44%	6.429%
4	4.510	210	212	216	rVB	262536	404923	5.92%	0.564%
5	4.899	243	246	252	rBV	853798	1346634	19.68%	1.876%
6	5.333	281	284	286	rBV	4906772	5010938	73.22%	6.979%
7	5.470	292	296	305	rVB	41434	93631	1.37%	0.130%
8	6.373	372	375	378	rBV	4308025	4467522	65.28%	6.223%
9	6.499	383	386	388	rBV	5222314	5571102	81.40%	7.760%
10	6.727	404	406	408	rBV	924945	1101946	16.10%	1.535%
11	6.876	417	419	422	rVB	3797257	3980686	58.16%	5.544%
12	7.150	441	443	448	rVB2	74255	107814	1.58%	0.150%
13	7.287	452	455	458	rBV	2816484	3356739	49.05%	4.675%
14	7.790	492	499	501	rBV2	388184	975389	14.25%	1.359%
15	8.030	515	520	522	rBV2	3417082	4554577	66.55%	6.344%
16	8.076	522	524	526	rVB2	113217	129827	1.90%	0.181%
17	8.785	583	586	588	rBV	2446968	2560908	37.42%	3.567%
18	8.956	599	601	603	rBV	395135	333040	4.87%	0.464%
19	9.048	607	609	610	rBV	116544	130458	1.91%	0.182%
20	9.093	610	613	615	rVB	5886953	6844079	100.00%	9.533%
21	9.482	645	647	649	rBV	65344	70589	1.03%	0.098%
22	9.756	669	671	673	rBV	1698559	1639305	23.95%	2.283%
23	10.076	696	699	701	rBV	652100	908464	13.27%	1.265%
24	10.202	706	710	712	rVV	62465	78781	1.15%	0.110%
25	10.545	737	740	743	rBV	3630952	4065399	59.40%	5.662%
26	10.636	746	748	750	rVV	52016	77497	1.13%	0.108%
27	10.671	750	751	755	rVB	78926	82064	1.20%	0.114%
28	11.036	781	783	787	rVB	84542	94556	1.38%	0.132%
29	11.242	798	801	803	rBV	1480729	1689636	24.69%	2.353%
30	11.459	818	820	823	rBV	116193	109806	1.60%	0.153%
31	11.551	826	828	830	rVB	90880	90958	1.33%	0.127%
32	11.779	846	848	853	rBV2	119989	166006	2.43%	0.231%
33	11.962	861	864	866	rBV	477267	449426	6.57%	0.626%
34	12.099	874	876	879	rBV	664809	872037	12.74%	1.215%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

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-BF012916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.396	900	902	904	rVB	1079425	890662	13.01%	1.241%
36	12.659	923	925	927	rBV	97767	82826	1.21%	0.115%
37	12.785	933	936	937	rBV2	316196	346576	5.06%	0.483%
38	12.831	937	940	942	rVV	5935955	6291137	91.92%	8.762%
39	12.979	950	953	955	rVB	2483533	2845840	41.58%	3.964%
40	13.242	974	976	978	rBV	119908	127590	1.86%	0.178%
41	13.368	984	987	990	rBV2	38529	80105	1.17%	0.112%
42	13.574	1003	1005	1006	rBV	150198	139139	2.03%	0.194%
43	13.665	1011	1013	1015	rBV	329576	284200	4.15%	0.396%
44	13.871	1028	1031	1032	rBV	1564102	1656803	24.21%	2.308%
45	13.894	1032	1033	1036	rVV	144249	139635	2.04%	0.194%
46	14.077	1047	1049	1052	rVB	112681	100244	1.46%	0.140%
47	14.351	1071	1073	1076	rBV	52930	87269	1.28%	0.122%
48	14.408	1076	1078	1080	rVB	193289	159702	2.33%	0.222%
49	15.254	1149	1152	1154	rBV	620011	740057	10.81%	1.031%
50	15.300	1154	1156	1158	rVV	80394	109128	1.59%	0.152%
51	15.334	1158	1159	1166	rVB7	38053	75119	1.10%	0.105%
52	15.688	1187	1190	1197	rBV	88820	146657	2.14%	0.204%
53	16.134	1226	1229	1232	rBV	92257	156916	2.29%	0.219%
54	16.660	1271	1275	1282	rBV	54676	131240	1.92%	0.183%
55	17.266	1322	1328	1333	rBV	40354	109538	1.60%	0.153%

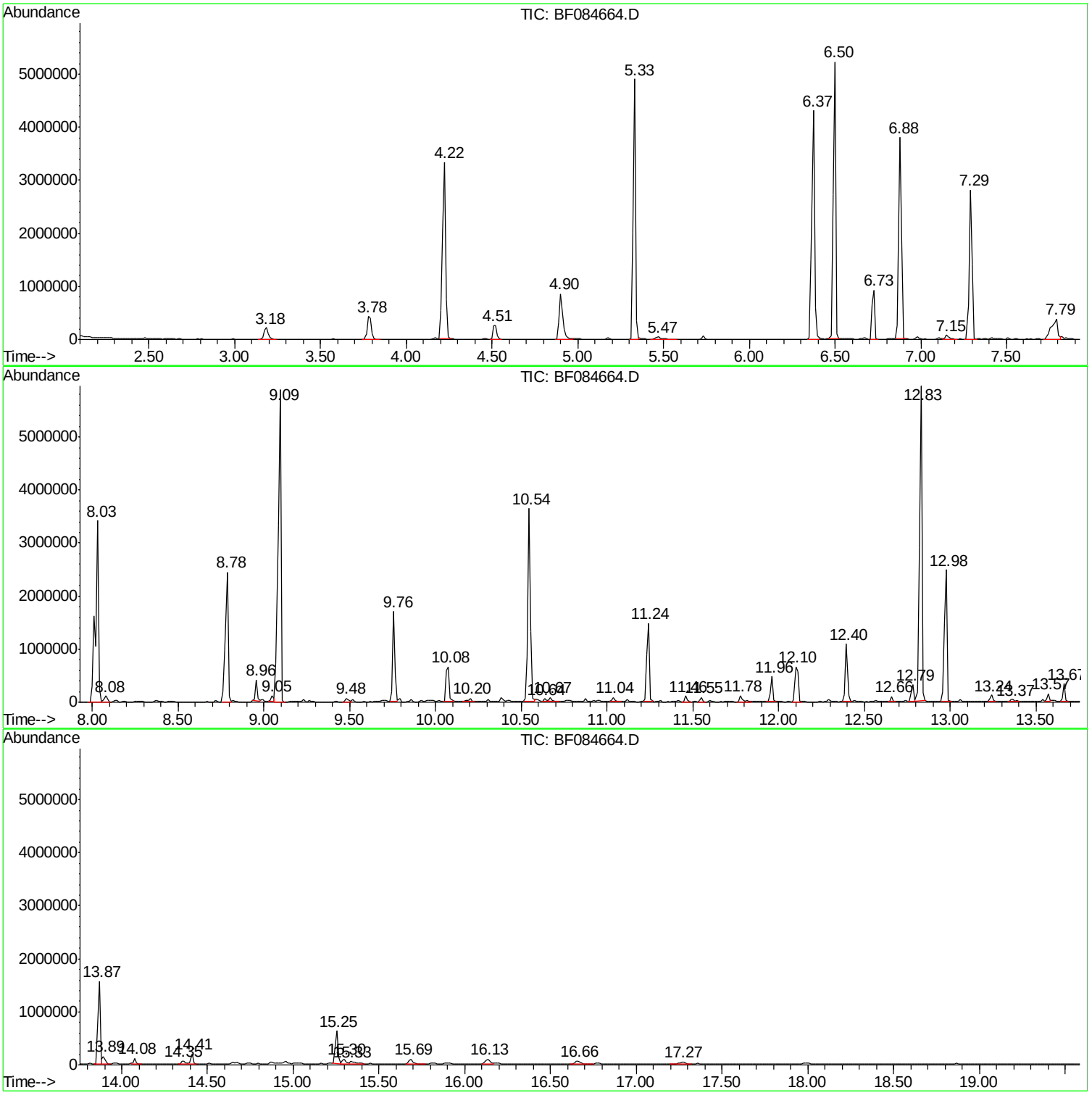
Sum of corrected areas: 71796235

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.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 F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

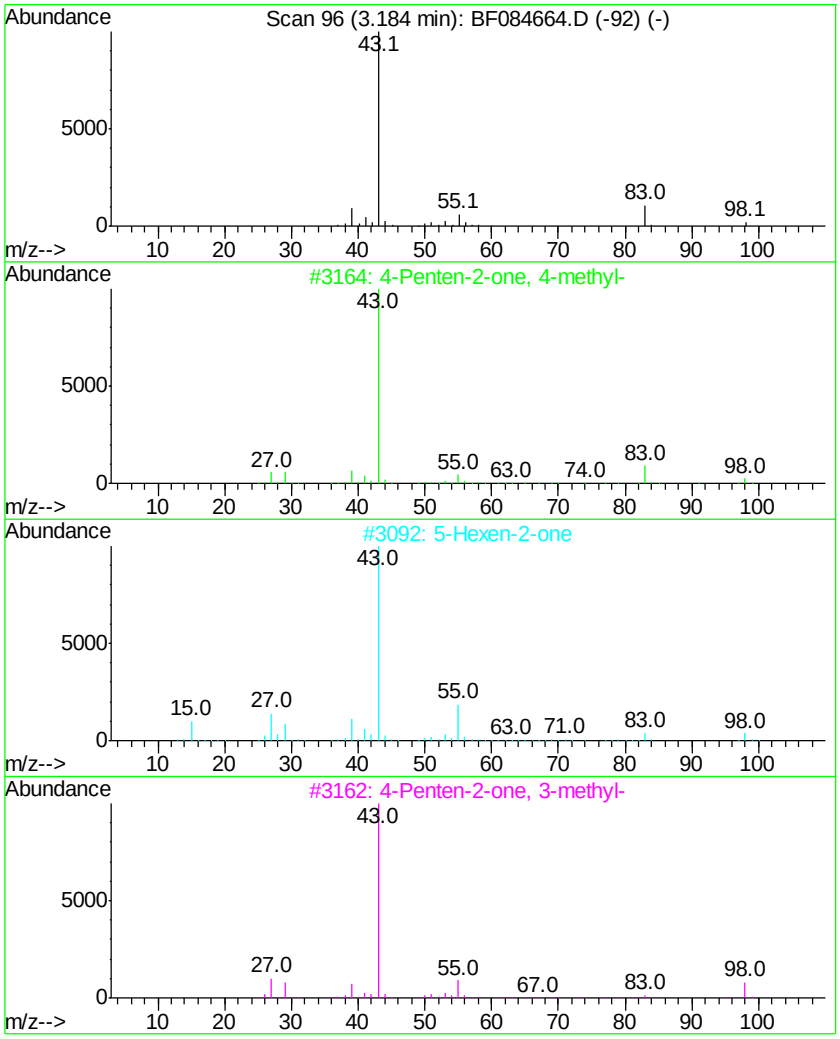
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

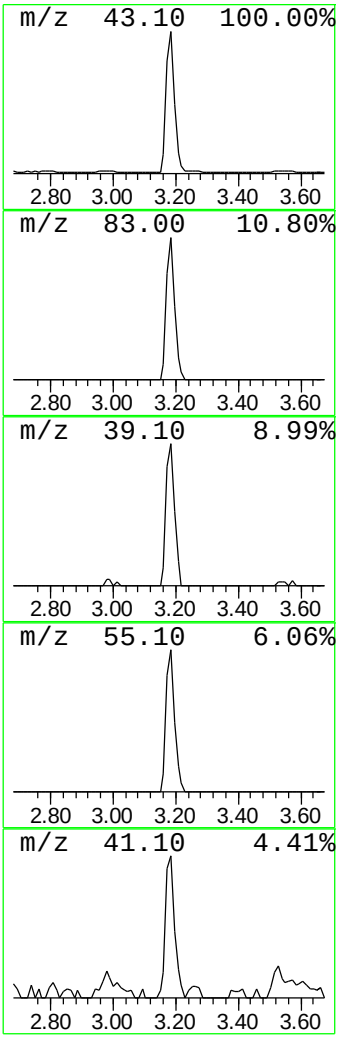
****

Peak Number 1 4-Penten-2-one, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	6.99 ng	385374	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	86
2	5-Hexen-2-one	98	C6H10O	000109-49-9	38
3	4-Penten-2-one, 3-methyl-	98	C6H10O	000758-87-2	9
4	4-Hexen-2-one	98	C6H10O	025659-22-7	9
5	Methyl 1-methylcyclopropyl ketone	98	C6H10O	001567-75-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

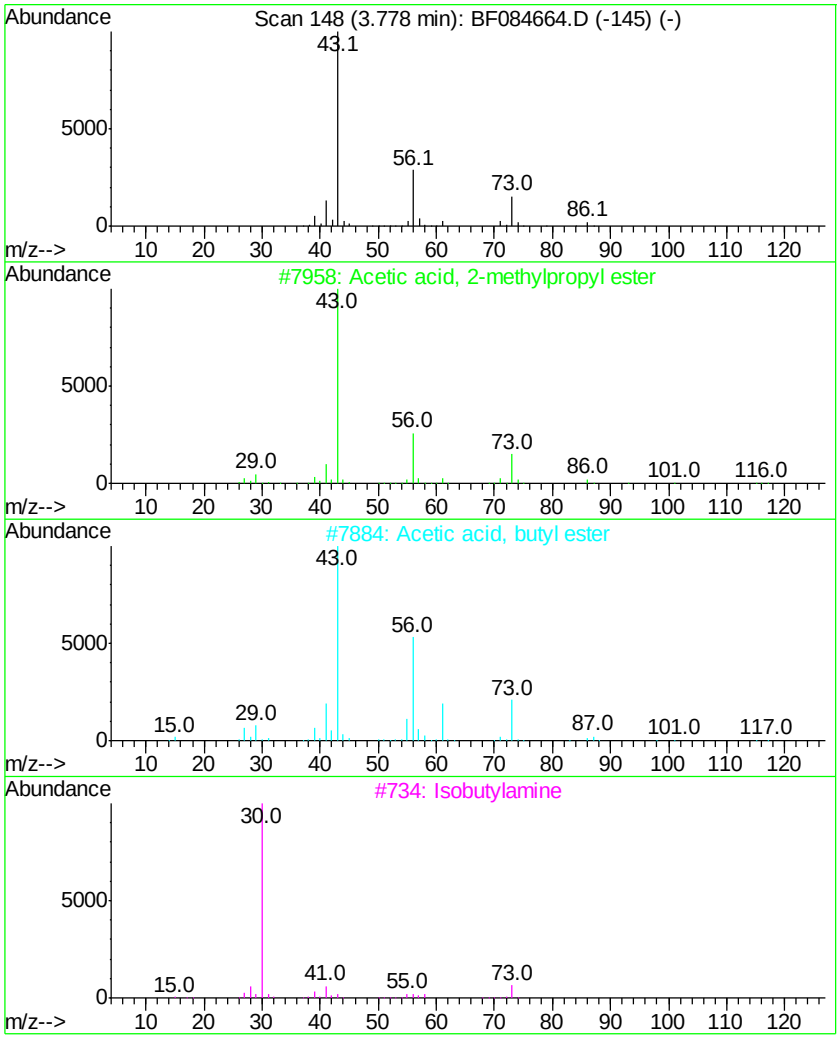
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

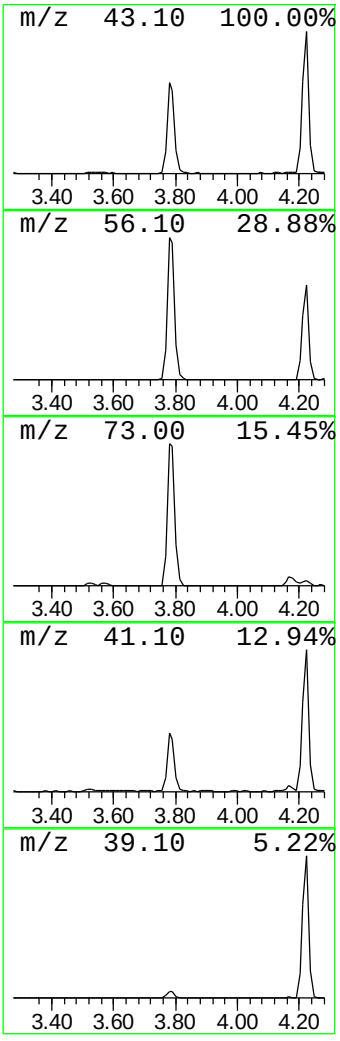
****

Peak Number 2 Acetic acid, 2-methylpropyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	13.25 ng	729805	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 2-methylpropyl ester	116	C6H12O2	000110-19-0	78
2	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	40
3	Isobutylamine	73	C4H11N	000078-81-9	9
4	2-Pentanone	86	C5H10O	000107-87-9	9
5	2,2-Dimethyl-1,3-propanediamine	102	C5H14N2	007328-91-8	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

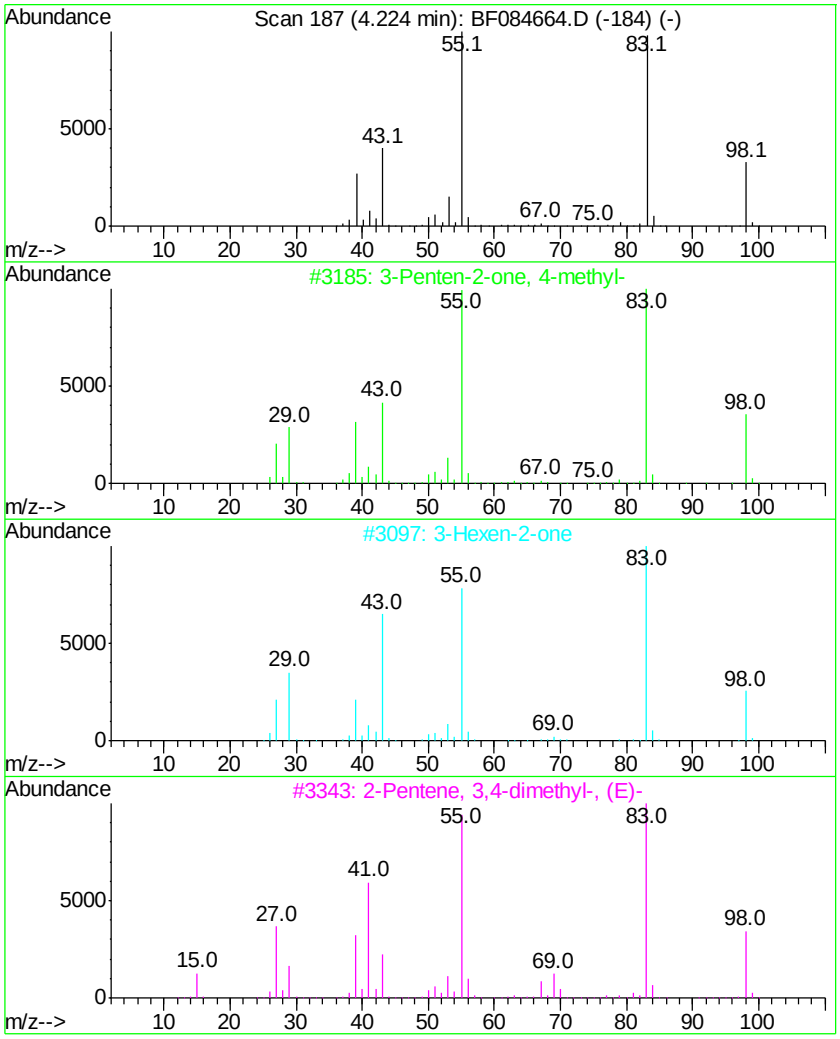
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

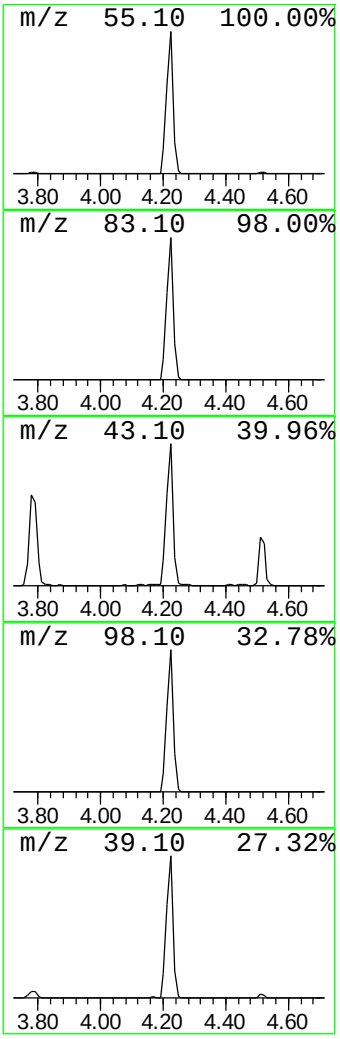
****

Peak Number 3 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.22	83.78 ng	4615940	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	94
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	86
5	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

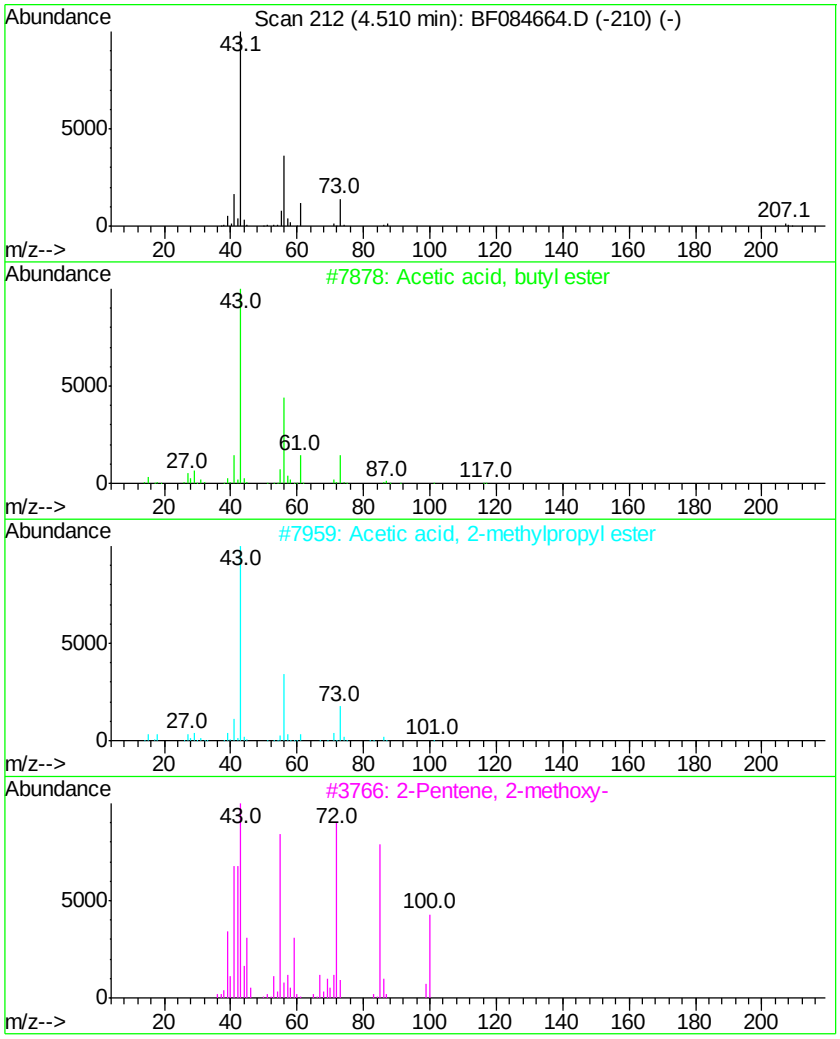
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

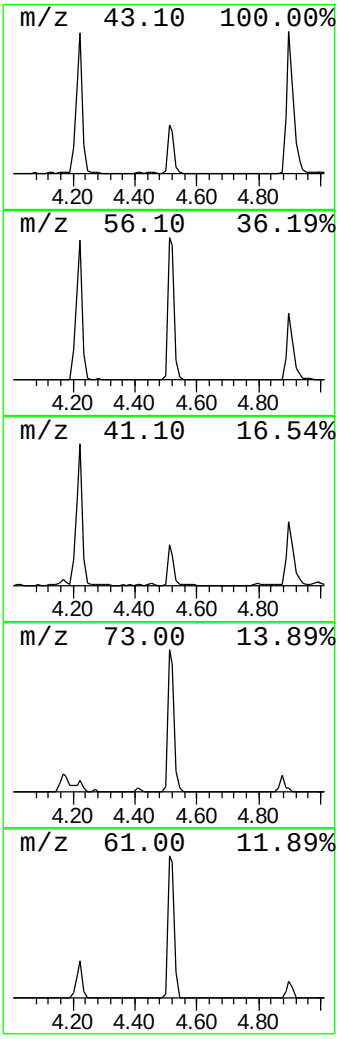
****

Peak Number 4 Acetic acid, butyl ester Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.51	7.35 ng	404923	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	78
2	Acetic acid, 2-methylpropyl ester	116	C6H12O2	000110-19-0	45
3	2-Pentene, 2-methoxy-	100	C6H12O	061142-47-0	10
4	Isobutylamine	73	C4H11N	000078-81-9	9
5	1,4-Diacetoxybutane	174	C8H14O4	033934-62-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

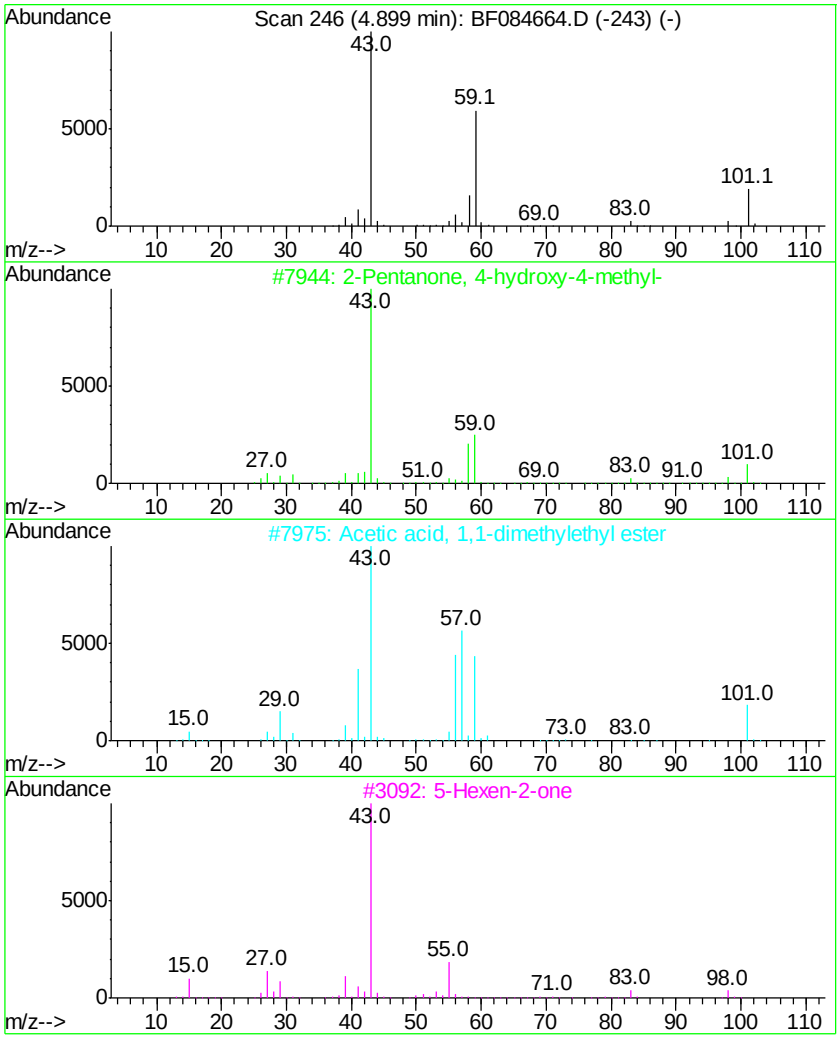
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

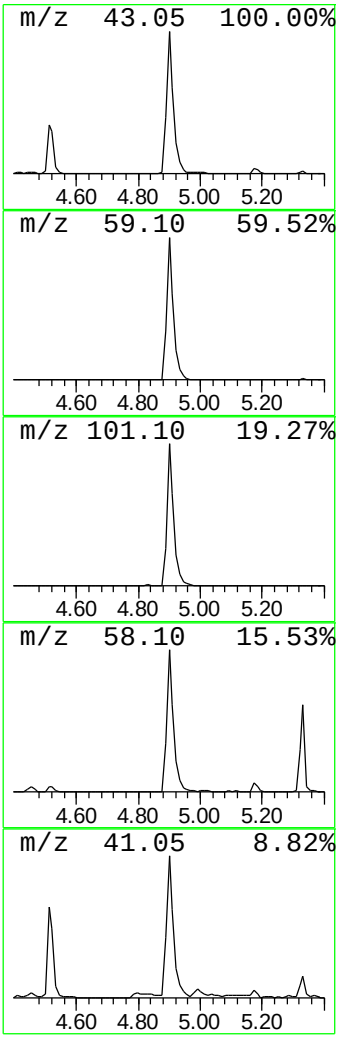
****

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	24.44 ng	1346630	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

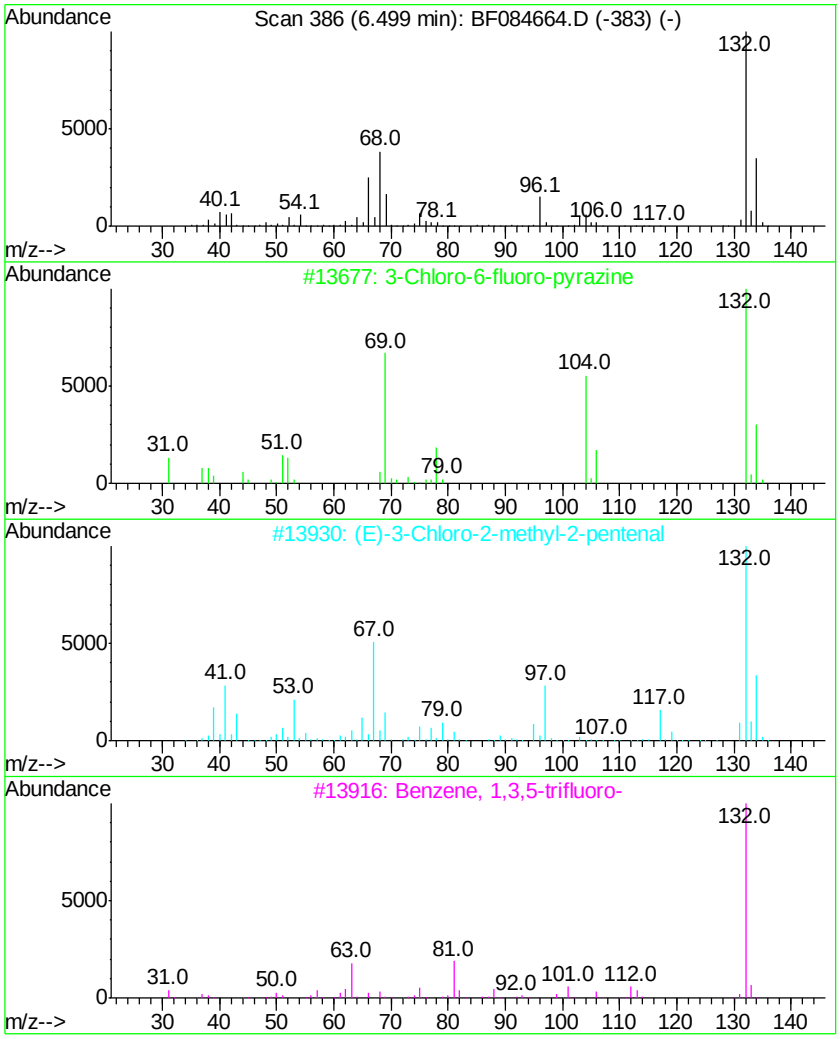
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

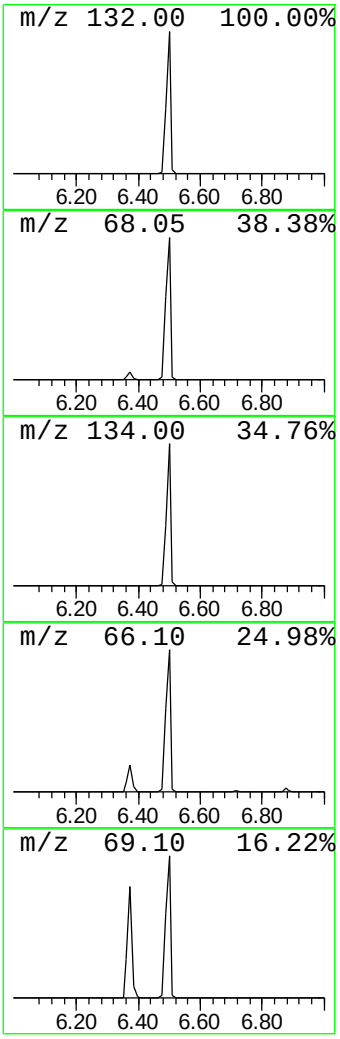
****

Peak Number 6 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	101.11 ng	5571100	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

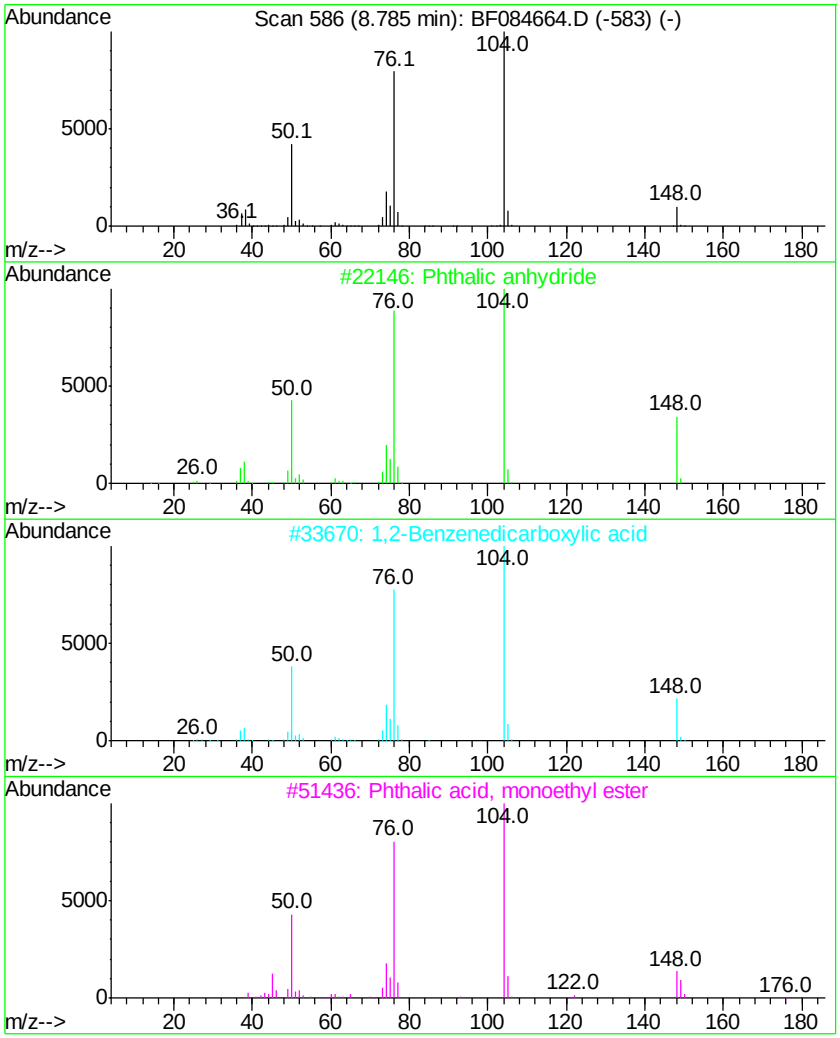
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

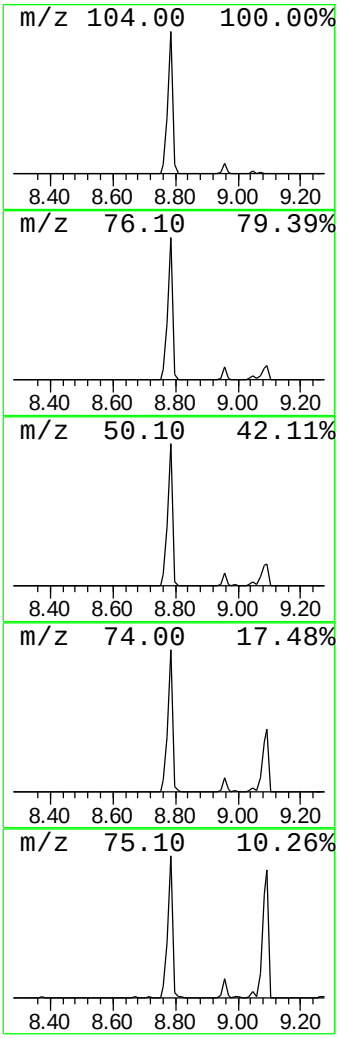
****

Peak Number 8 Phthalic anhydride Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	11.25 ng	2560910	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic anhydride	148	C8H4O3	000085-44-9	93
2	1,2-Benzenedicarboxylic acid	166	C8H6O4	000088-99-3	90
3	Phthalic acid, monoethyl ester	194	C10H10O4	002306-33-4	90
4	Bicyclo[4.2.0]octa-1,3,5-triene-...	132	C8H4O2	006383-11-5	86
5	Phthalamic acid	165	C8H7NO3	000088-97-1	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

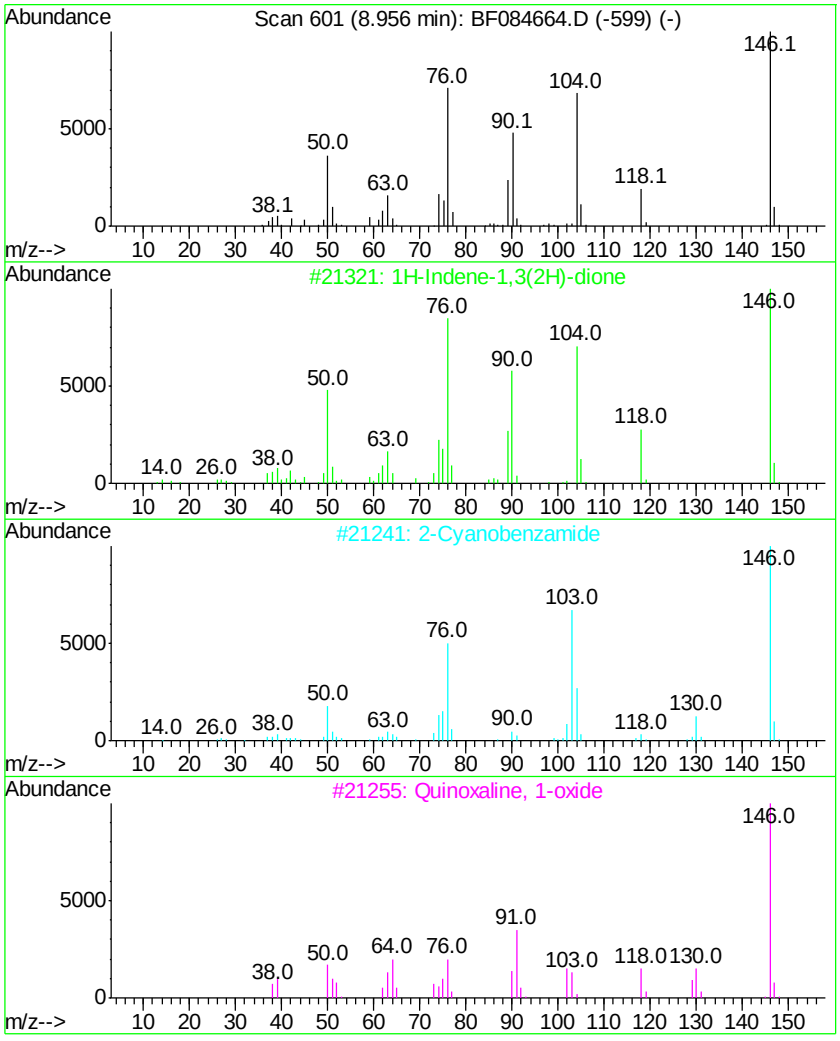
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

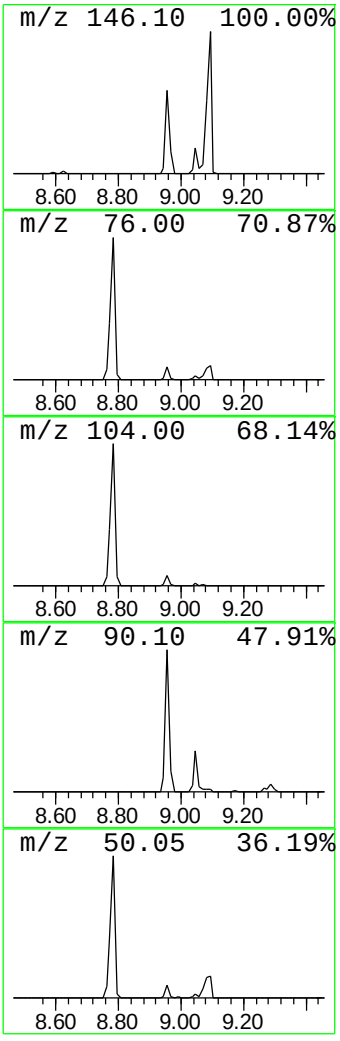
****

Peak Number 9 1H-Indene-1,3(2H)-dione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	4.06 ng	333040	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene-1,3(2H)-dione	146	C9H6O2	000606-23-5	98
2	2-Cyanobenzamide	146	C8H6N2O	017174-98-0	47
3	Quinoxaline, 1-oxide	146	C8H6N2O	006935-29-1	38
4	2H-1-Benzopyran-2-one	146	C9H6O2	000091-64-5	38
5	Phthalazin-1-one	146	C8H6N2O	000119-39-1	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

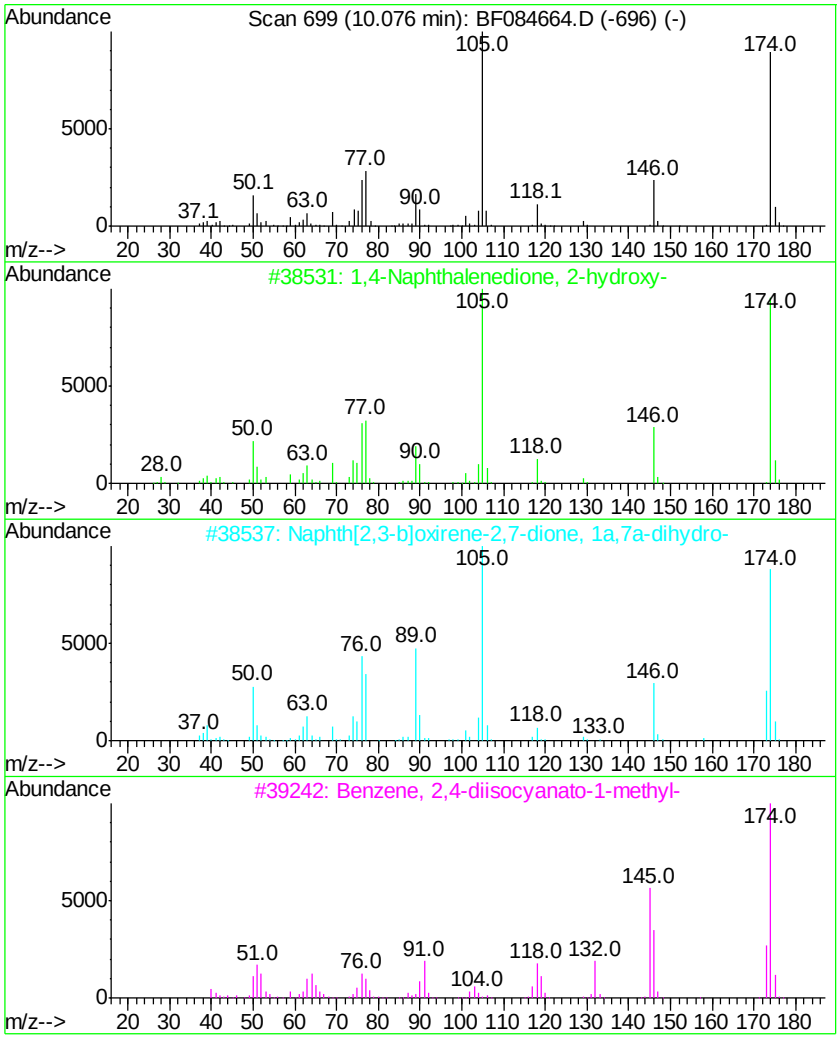
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

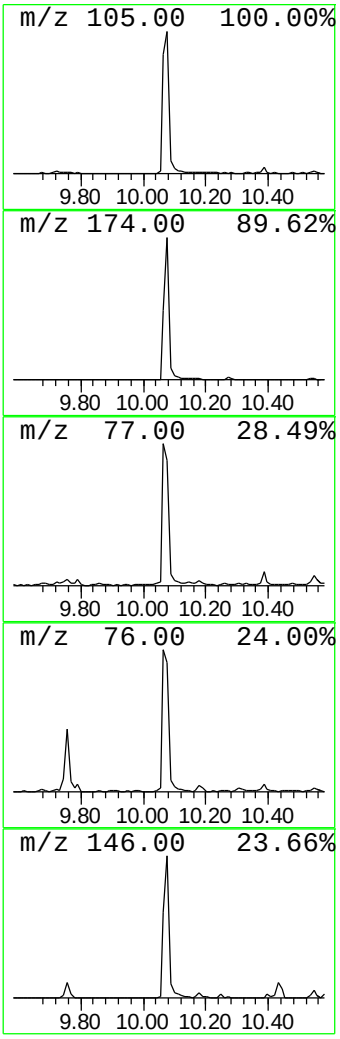
****

Peak Number 10 1,4-Naphthalenedione, 2-hyd... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	11.08 ng	908464	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Naphthalenedione, 2-hydroxy-	174	C10H6O3	000083-72-7	98
2	Naphth[2,3-b]oxirene-2,7-dione, ...	174	C10H6O3	015448-58-5	87
3	Benzene, 2,4-diisocyanato-1-methyl-	174	C9H6N2O2	000584-84-9	50
4	2-Benzylidenecyclopentanol, (E)-	174	C12H14O	058738-53-7	47
5	Benzene, 1,3-diisocyanato-2-methyl-	174	C9H6N2O2	000091-08-7	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

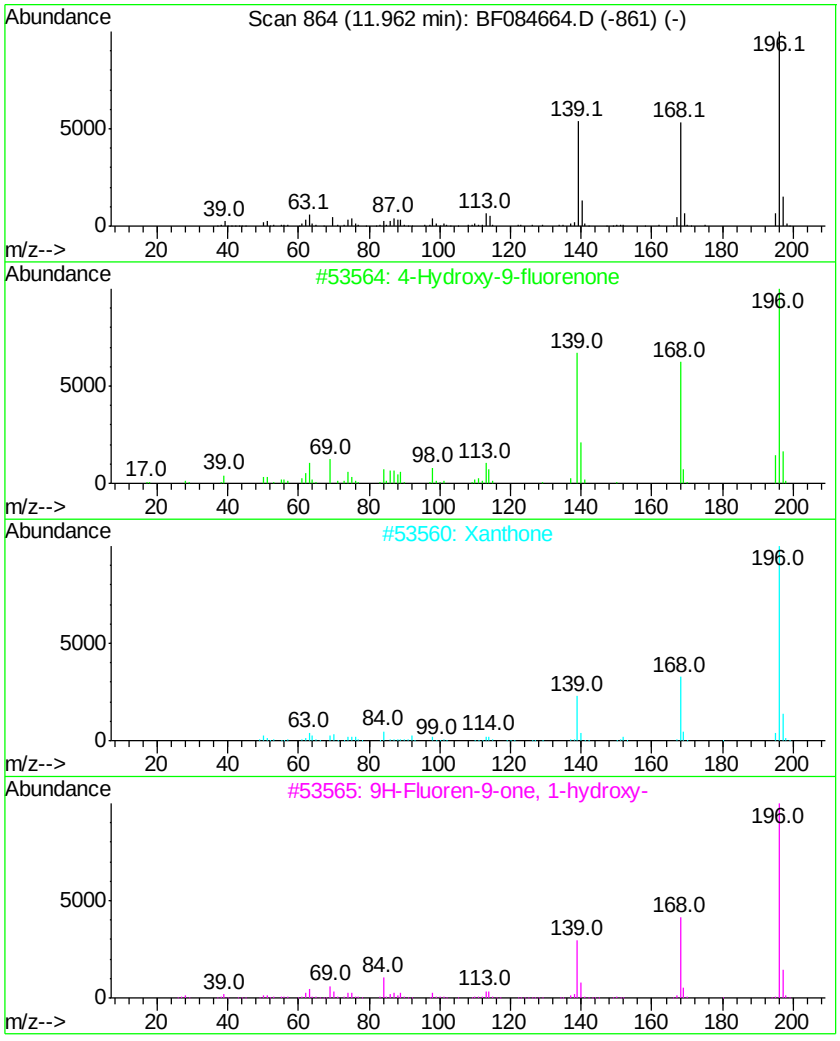
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

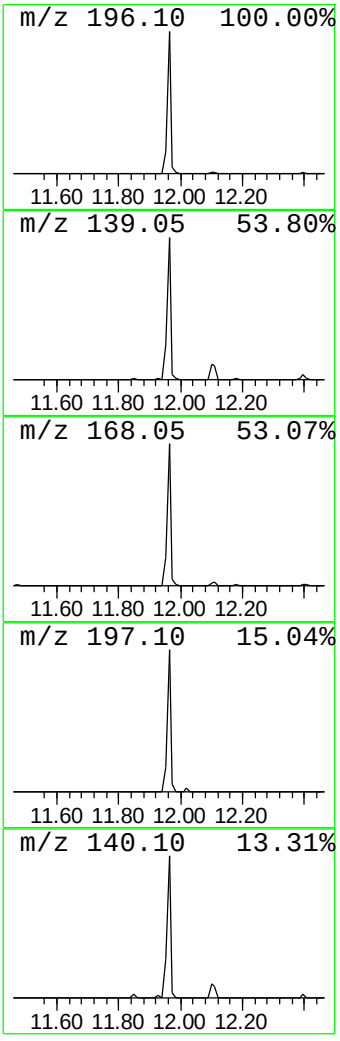
****

Peak Number 11 4-Hydroxy-9-fluorenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	5.32 ng	449426	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxy-9-fluorenone	196	C13H8O2	001986-00-1	94
2	Xanthone	196	C13H8O2	000090-47-1	91
3	9H-Fluoren-9-one, 1-hydroxy-	196	C13H8O2	006344-60-1	91
4	1-Hydroxyphenazine	196	C12H8N2O	000528-71-2	62
5	1H-Pyrimido[1,2-a]quinolin-1-one	196	C12H8N2O	023443-27-8	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

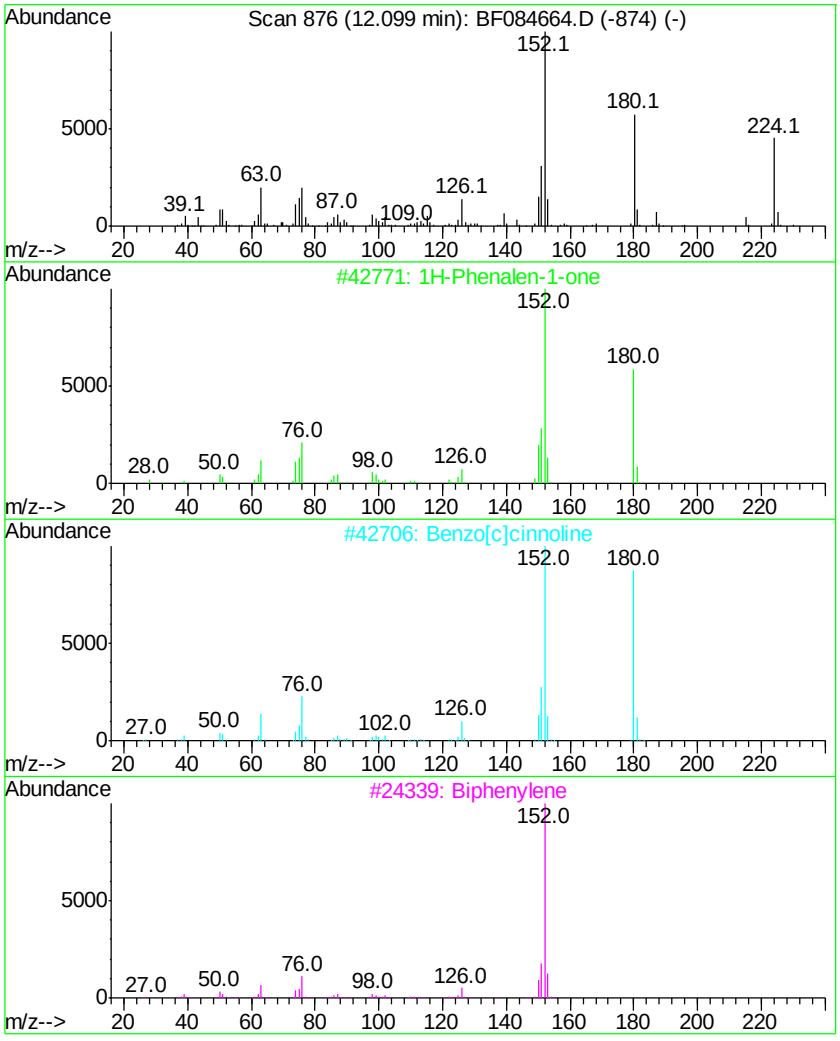
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

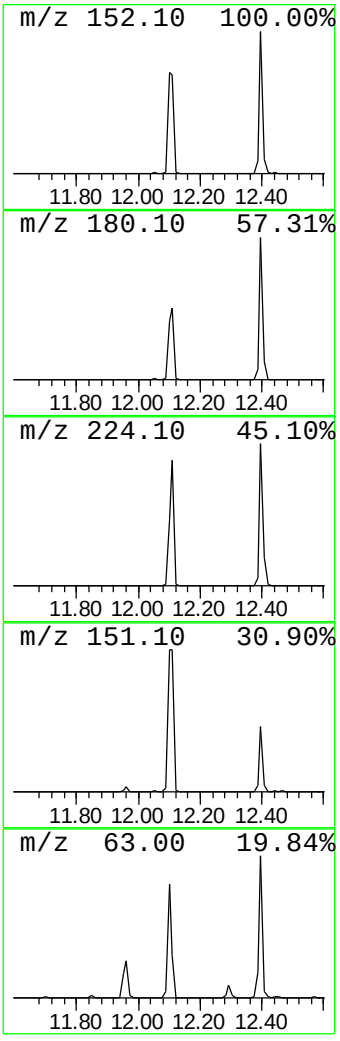
****

Peak Number 12 1H-Phenalen-1-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	10.32 ng	872037	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalen-1-one	180	C13H8O	000548-39-0	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
3	Biphenylene	152	C12H8	000259-79-0	87
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

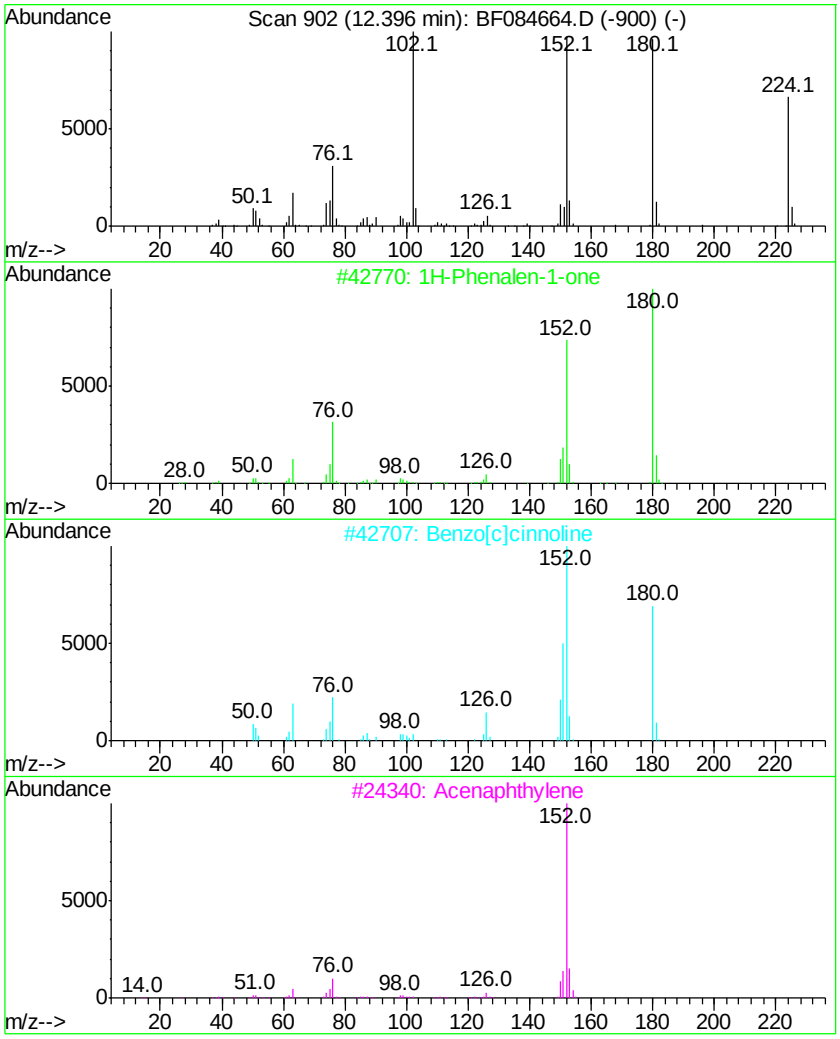
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

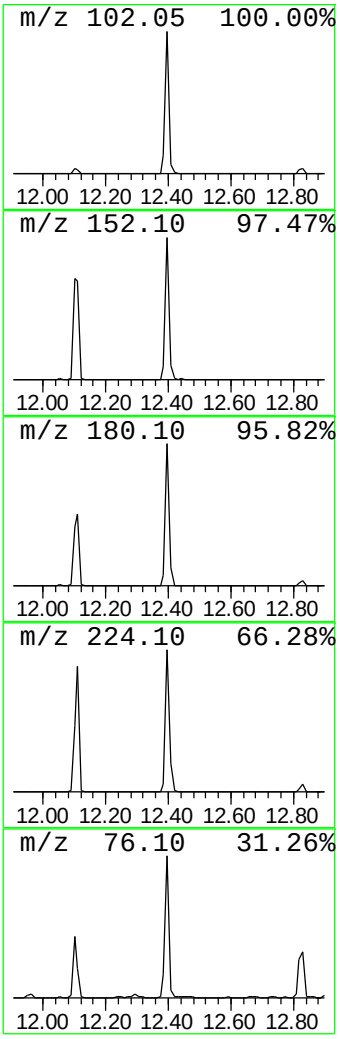
****

Peak Number 13 Benzo[c]cinnoline Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	10.54 ng	890662	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
3	Acenaphthylene	152	C12H8	000208-96-8	51
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	46
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	41





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

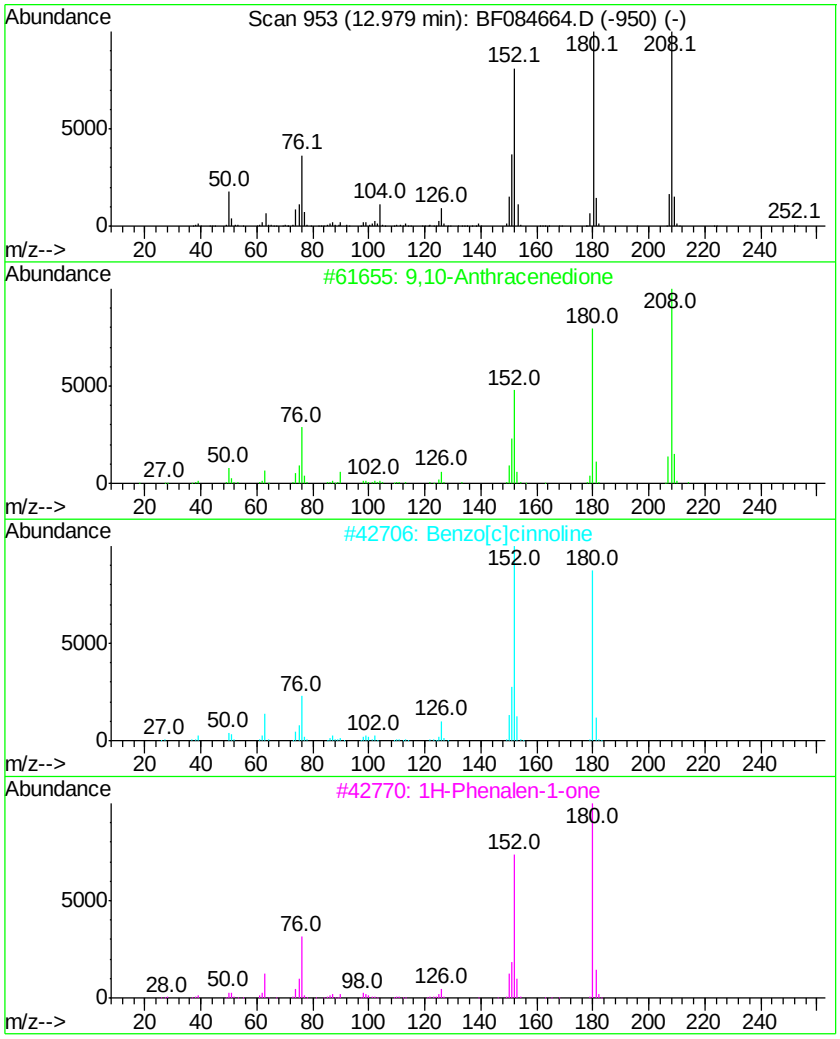
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

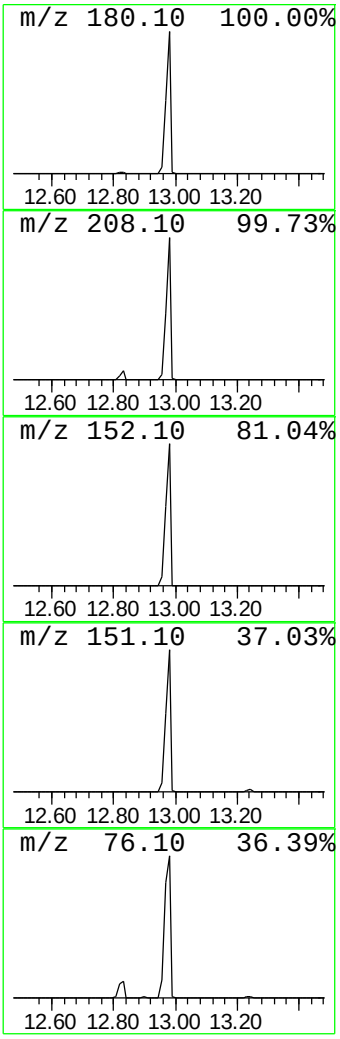
****

Peak Number 14 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	34.35 ng	2845840	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
4	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	58
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

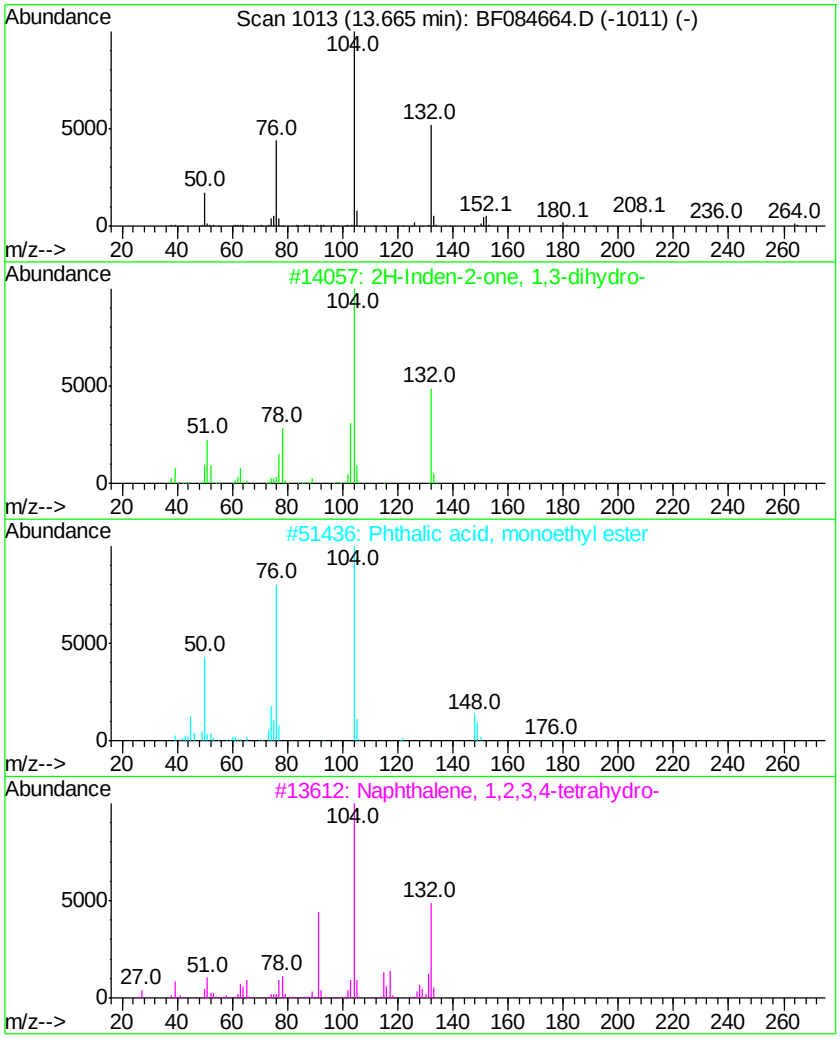
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

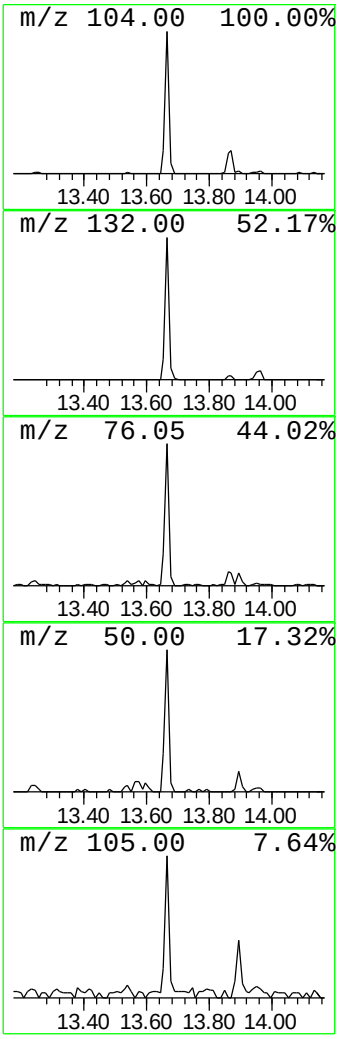
****

Peak Number 15 2H-Inden-2-one, 1,3-dihydro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	3.43 ng	284200	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	53
2	Phthalic acid, monoethyl ester	194	C10H10O4	002306-33-4	50
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	40
4	Spiro[isobenzofuran-1(3H),2'-oxi...	220	C11H8O5	1000221-40-6	40
5	1,2-Benzenedicarboxylic acid	166	C8H6O4	000088-99-3	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

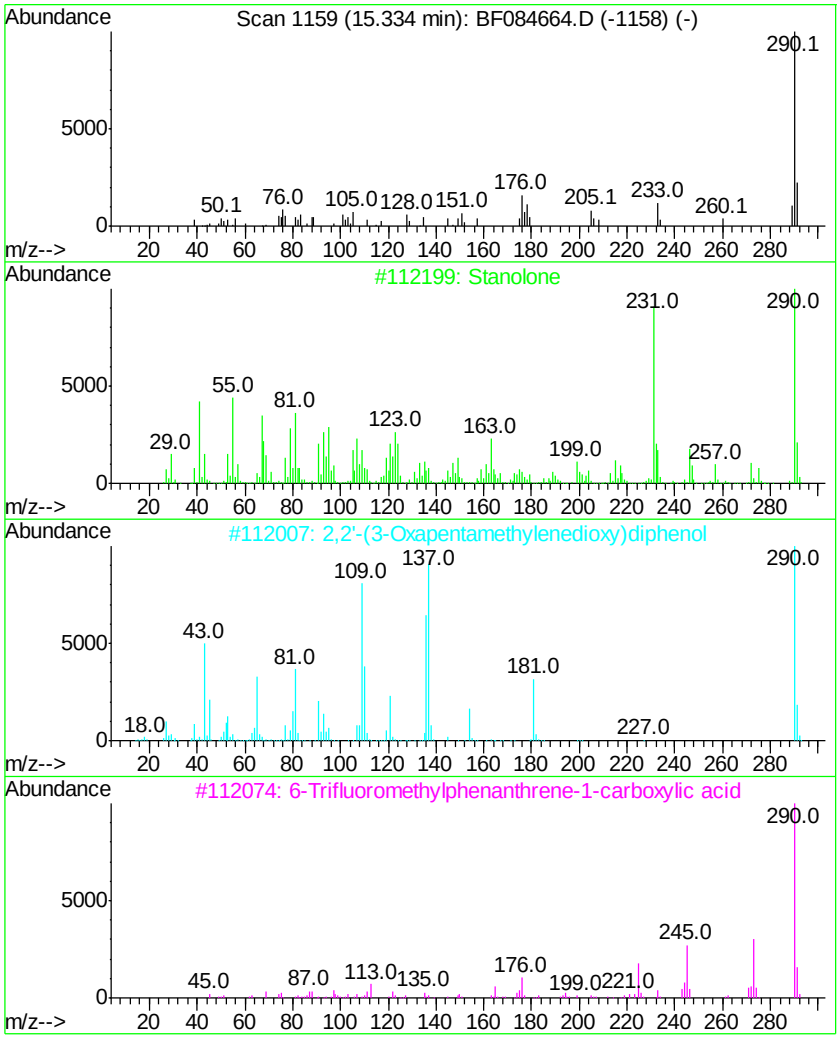
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

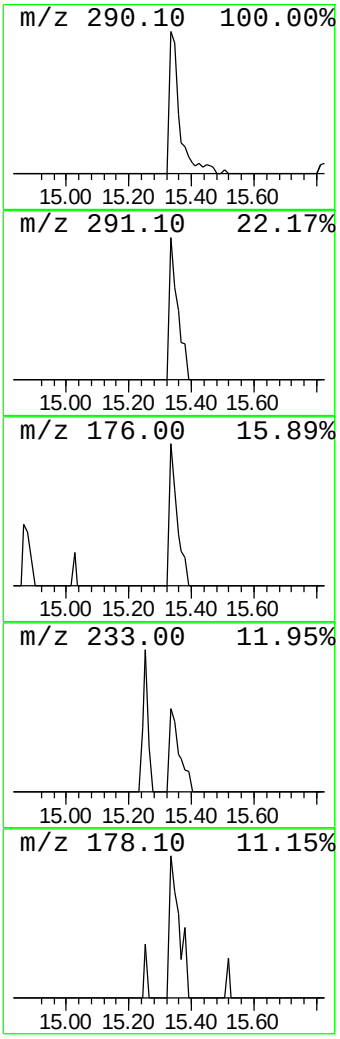
****

Peak Number 16 Stanolone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	2.03 ng	75119	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stanolone	290	C19H30O2	000521-18-6	53
2	2,2'-(3-Oxapentamethylenedioxy)d...	290	C16H18O5	023116-94-1	47
3	6-Trifluoromethylphenanthrene-1-...	290	C16H9F3O2	1000254-01-0	42
4	Androstan-3-one, 17-hydroxy-, (5...	290	C19H30O2	000571-22-2	42
5	5.alpha.-Androstan-17.beta.-ol, ...	290	C20H34O	005846-88-8	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

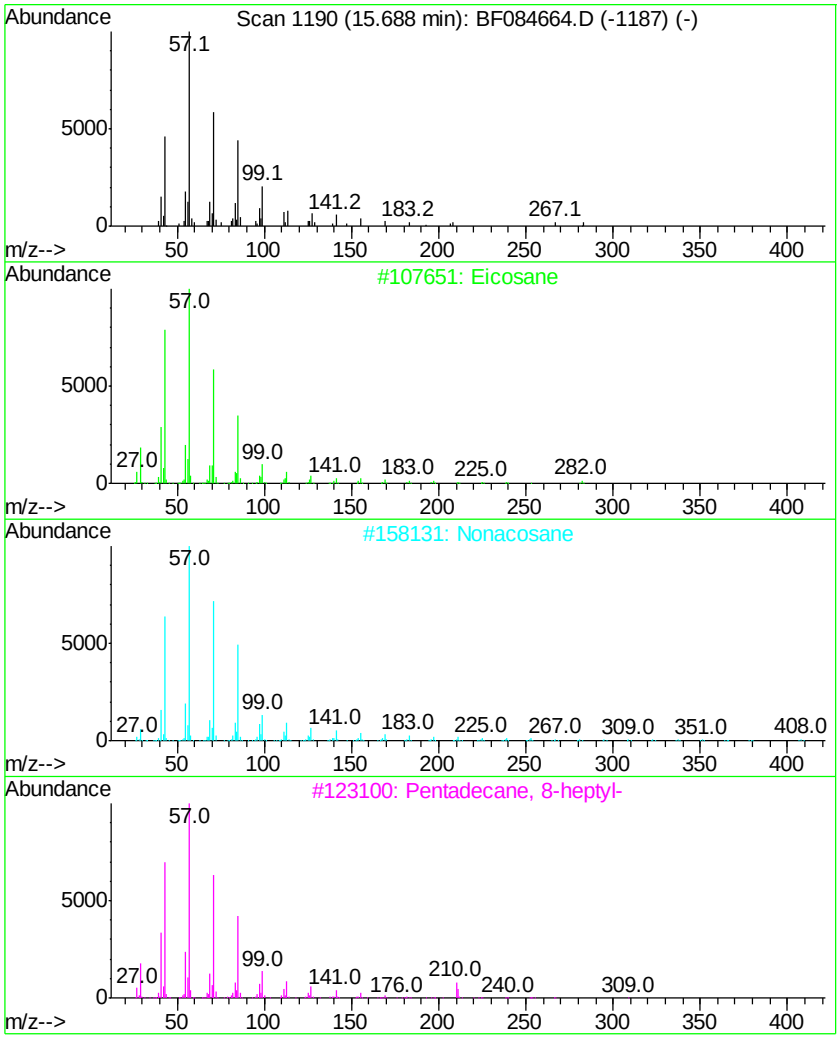
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

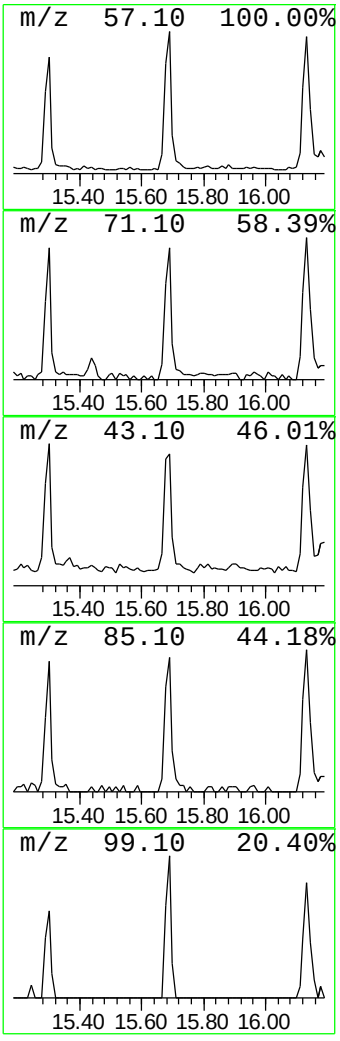
****

Peak Number 17 Eicosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	3.96 ng	146657	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Nonacosane	408	C29H60	000630-03-5	86
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	86
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86
5	Heptacosane	380	C27H56	000593-49-7	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

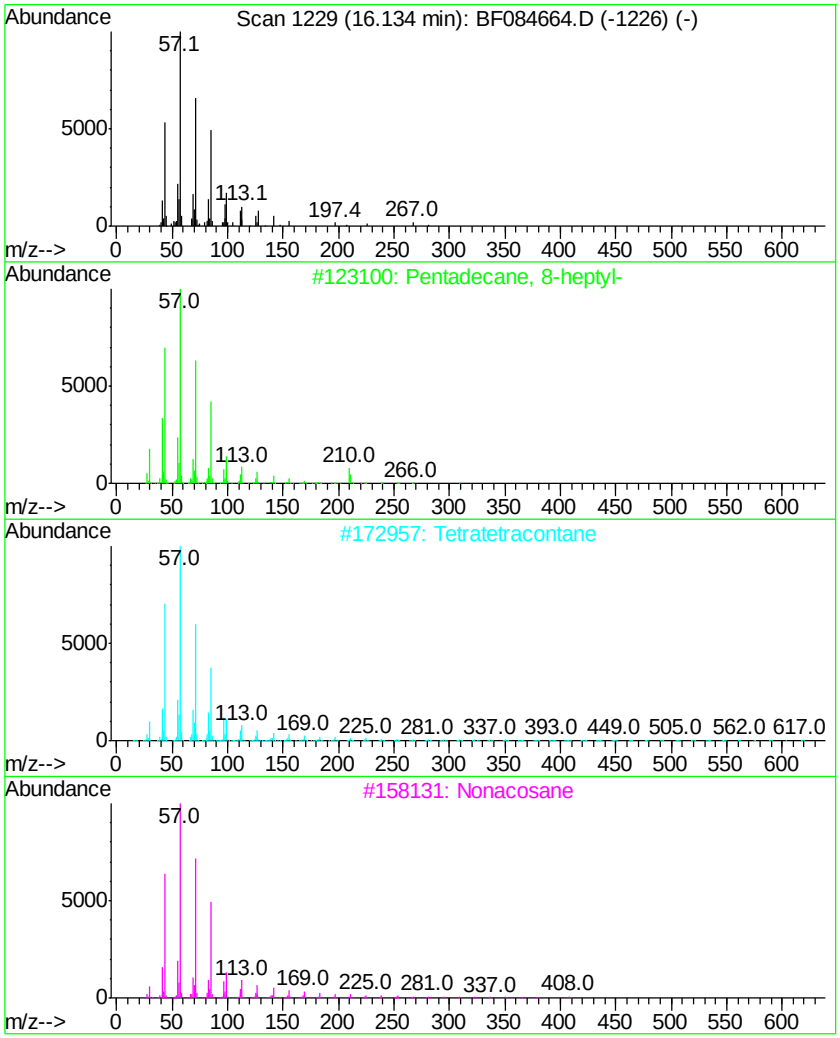
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

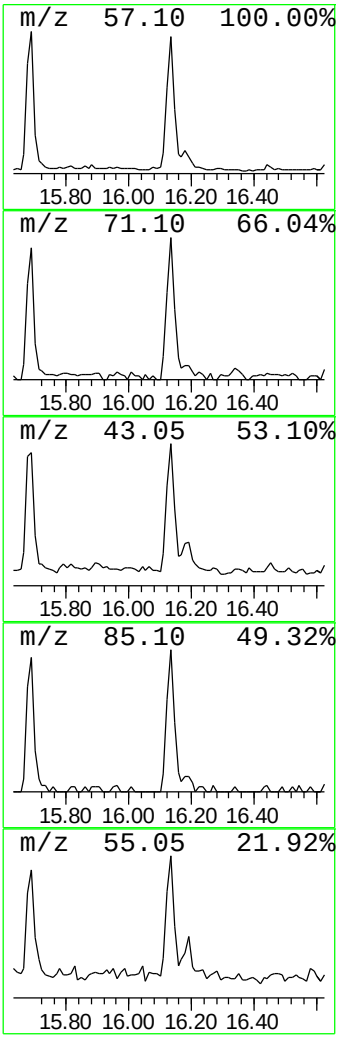
****

Peak Number 18 Pentadecane, 8-heptyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	4.24 ng	156916	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
2	Tetratetracontane	619	C44H90	007098-22-8	91
3	Nonacosane	408	C29H60	000630-03-5	90
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

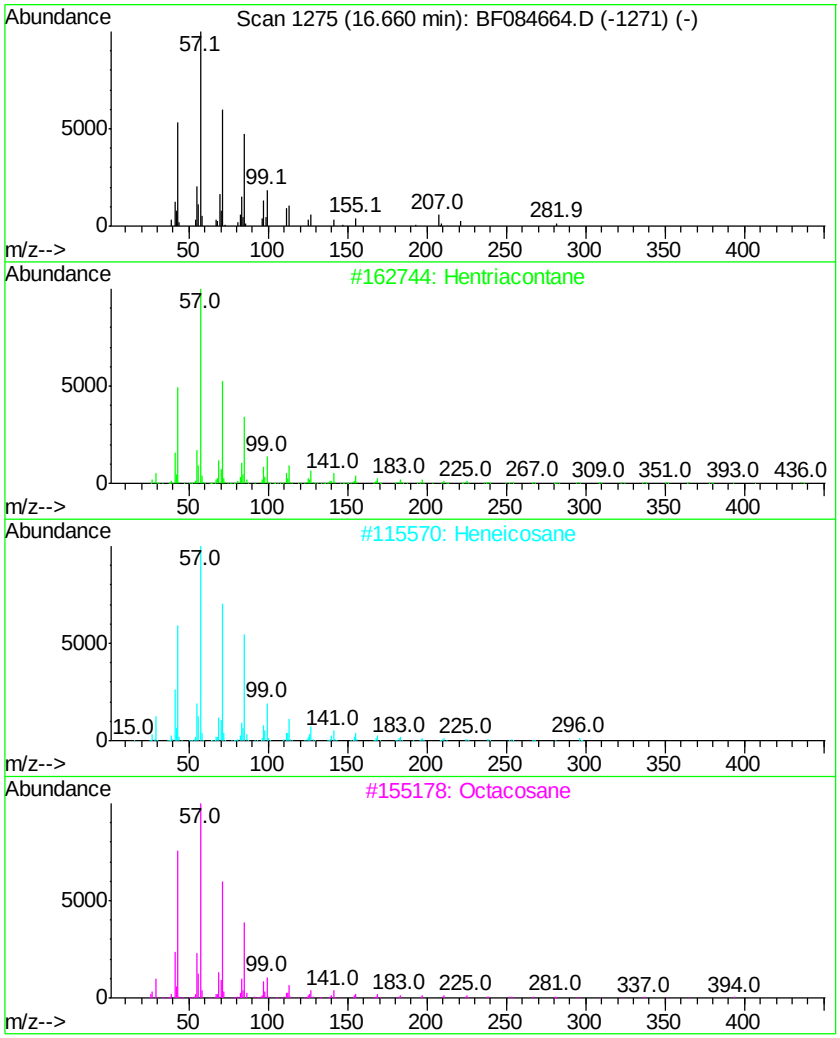
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

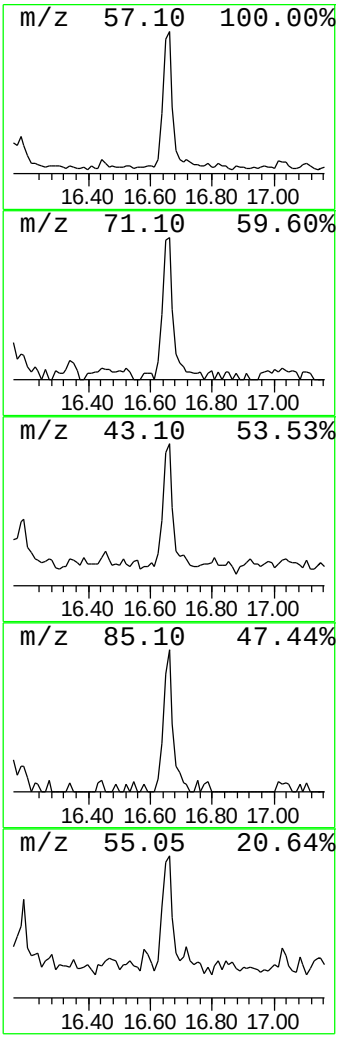
****

Peak Number 19 Hentriacontane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	3.55 ng	131240	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	90
2	Heneicosane	296	C21H44	000629-94-7	80
3	Octacosane	394	C28H58	000630-02-4	80
4	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	78
5	Nonacosane	408	C29H60	000630-03-5	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

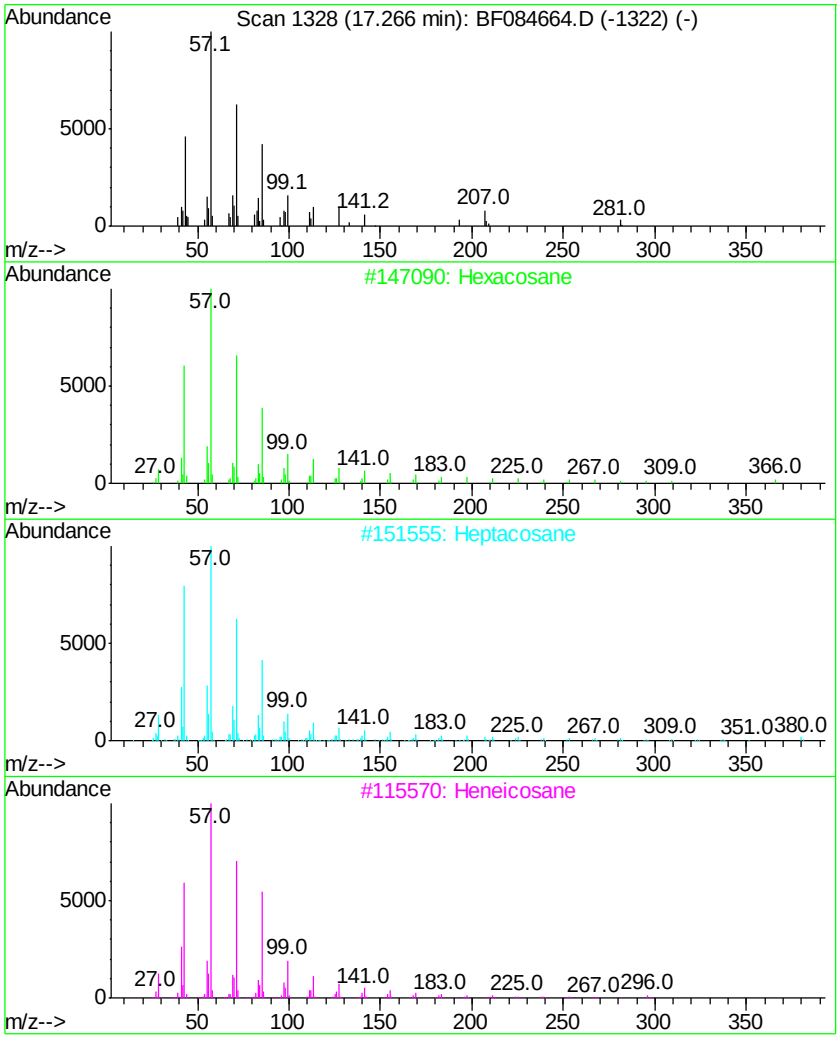
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

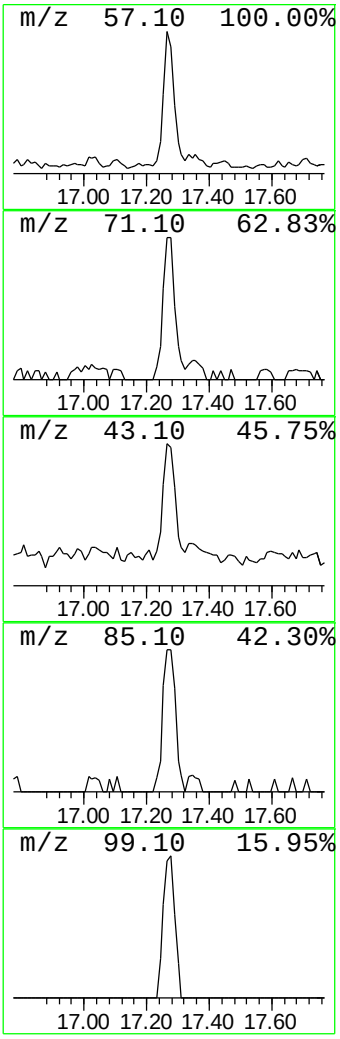
****

Peak Number 20 Hexacosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	2.96 ng	109538	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Heptacosane	380	C27H56	000593-49-7	90
3	Heneicosane	296	C21H44	000629-94-7	87
4	Hexatriacontane	507	C36H74	000630-06-8	86
5	Tetratriacontane	479	C34H70	014167-59-0	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012916\
Data File : BF084664.D
Acq On : 30 Jan 2016 4:41
Operator : SJ/IZ
Sample : H1260-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-SOIL-012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.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
4-Penten-2-one, 4...	3.18	7.0	ng	385374	1	6.73	1101950	20.0
Acetic acid, 2-me...	3.78	13.3	ng	729805	1	6.73	1101950	20.0
3-Penten-2-one, 4...	4.22	83.8	ng	4615940	1	6.73	1101950	20.0
Acetic acid, buty...	4.51	7.3	ng	404923	1	6.73	1101950	20.0
2-Pentanone, 4-hy...	4.90	24.4	ng	1346630	1	6.73	1101950	20.0
unknown6.50	6.50	101.1	ng	5571100	1	6.73	1101950	20.0
Phthalic anhydride	8.78	11.3	ng	2560910	2	8.01	4554580	20.0
1H-Indene-1,3(2H)...	8.96	4.1	ng	333040	3	9.76	1639310	20.0
1,4-Naphthalenedi...	10.08	11.1	ng	908464	3	9.76	1639310	20.0
4-Hydroxy-9-fluor...	11.96	5.3	ng	449426	4	11.24	1689640	20.0
1H-Phenalen-1-one	12.10	10.3	ng	872037	4	11.24	1689640	20.0
Benzo[c]cinnoline	12.40	10.5	ng	890662	4	11.24	1689640	20.0
9,10-Anthracenedione	12.98	34.4	ng	2845840	5	13.87	1656800	20.0
2H-Inden-2-one, 1...	13.67	3.4	ng	284200	5	13.87	1656800	20.0
Stanolone	15.33	2.0	ng	75119	6	15.25	740057	20.0
Eicosane	15.69	4.0	ng	146657	6	15.25	740057	20.0
Pentadecane, 8-he...	16.13	4.2	ng	156916	6	15.25	740057	20.0
Hentriacontane	16.66	3.5	ng	131240	6	15.25	740057	20.0
Hexacosane	17.27	3.0	ng	109538	6	15.25	740057	20.0