LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092616.D
Acq On : 28 Jan 2017 10:12
Operator : SJ/MA
Sample : I1528-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

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-BF012417.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	5.173	267	270	279	rVB	1279478	2123092	36.86%	5.021%
2	5.596	304	307	309	rBV	4572863	5038648	87.49%	11.917%
3	6.236	361	363	365	rVB	141599	146589	2.55%	0.347%
4	6.624	393	397	399	rBV	4180868	5759350	100.00%	13.621%
5	6.670	399	401	403	rVB	280781	260319	4.52%	0.616%
6	6.750	405	408	410	rVB	4462390	5115922	88.83%	12.099%
7	6.967	425	427	430	rBV	913016	936089	16.25%	2.214%
8	7.127	439	441	444	rBV	3352579	3638364	63.17%	8.605%
9	7.539	474	477	480	rBV	2564525	2722671	47.27%	6.439%
10	8.259	538	540	543	rBV	822192	1160454	20.15%	2.745%
11	9.345	632	635	638	rBV	3254321	4729781	82.12%	11.186%
12	9.745	667	670	672	rBV	361064	364165	6.32%	0.861%
13	10.031	693	695	697	rBV	1368935	1155810	20.07%	2.734%
14	10.453	731	732	734	rVB	102524	83023	1.44%	0.196%
15	10.819	762	764	767	rBV2	1639773	1871535	32.50%	4.426%
16	10.933	772	774	776	rBV	101587	127890	2.22%	0.302%
17	11.379	811	813	814	rBV	87682	70986	1.23%	0.168%
18	11.516	823	825	828	rBV	893700	946129	16.43%	2.238%
19	13.105	962	964	967	rBV	2722000	3326717	57.76%	7.868%
20	14.019	1041	1044	1053	rBV	40717	126719	2.20%	0.300%
21	14.157	1054	1056	1059	rVV	651638	822075	14.27%	1.944%
22	14.259	1063	1065	1069	rBV	84750	81979	1.42%	0.194%
23	14.568	1090	1092	1094	rBV	123174	139490	2.42%	0.330%
24	14.660	1098	1100	1102	rVV3	106785	159106	2.76%	0.376%
25	14.705	1102	1104	1107	rVB2	54667	75328	1.31%	0.178%
26	14.888	1118	1120	1122	rBV	93818	101434	1.76%	0.240%
27	14.934	1122	1124	1127	rVV2	49802	62553	1.09%	0.148%
28	15.082	1135	1137	1140	rVV2	53193	83583	1.45%	0.198%
29	15.140	1140	1142	1146	rVB2	143588	186141	3.23%	0.440%
30	15.654	1183	1187	1193	rBV	384821	668792	11.61%	1.582%
31	16.123	1225	1228	1232	rVB	32277	68714	1.19%	0.163%
32	16.637	1270	1273	1275	rBV	33551	66209	1.15%	0.157%
33	17.243	1322	1326	1334	rVB2	21604	62773	1.09%	0.148%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092616.D
Acq On : 28 Jan 2017 10:12
Operator : SJ/MA
Sample : I1528-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

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-BF012417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 42282430

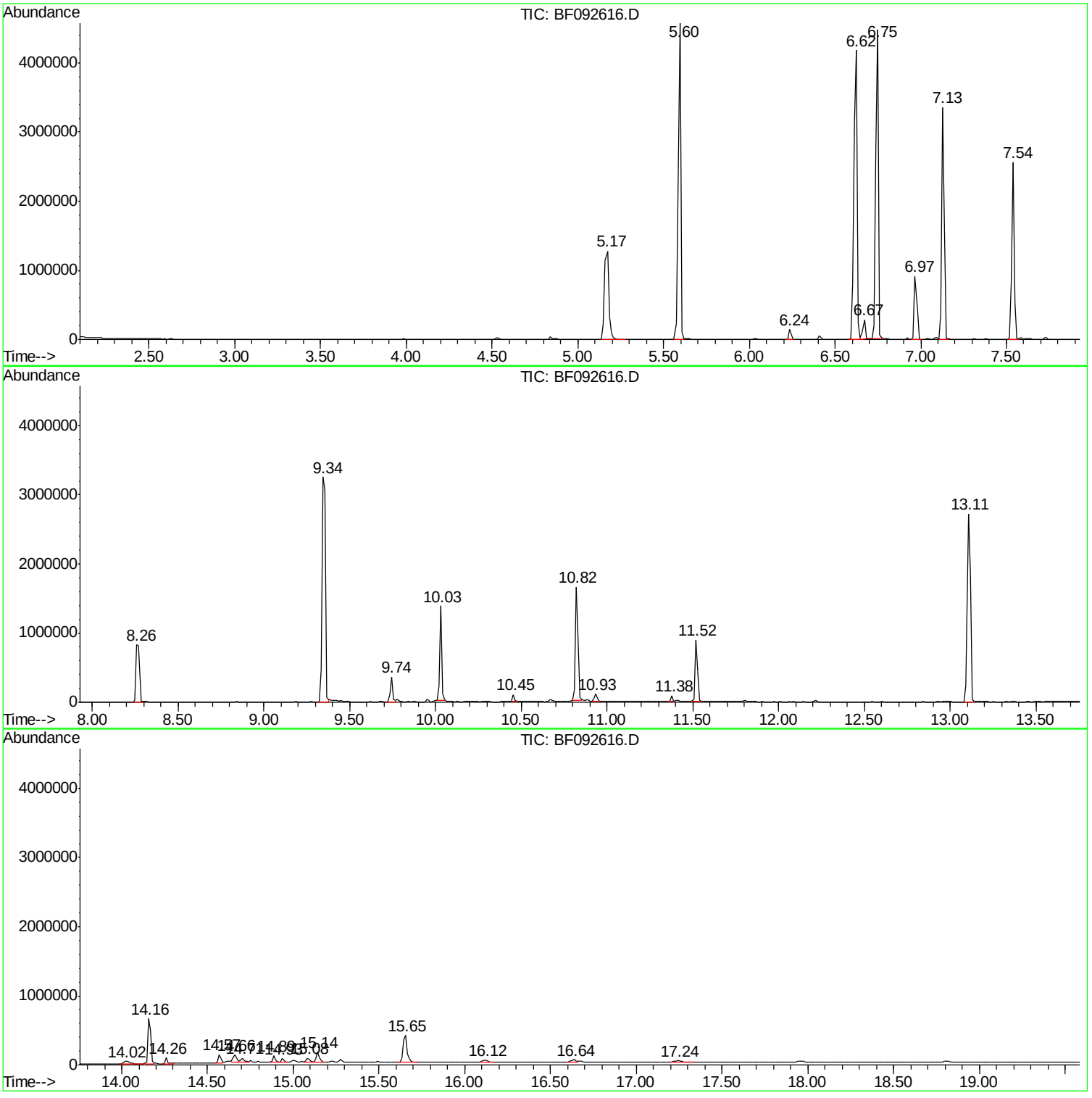
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092616.D
Acq On : 28 Jan 2017 10:12
Operator : SJ/MA
Sample : I1528-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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\BF012717\
Data File : BF092616.D
Acq On : 28 Jan 2017 10:12
Operator : SJ/MA
Sample : I1528-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

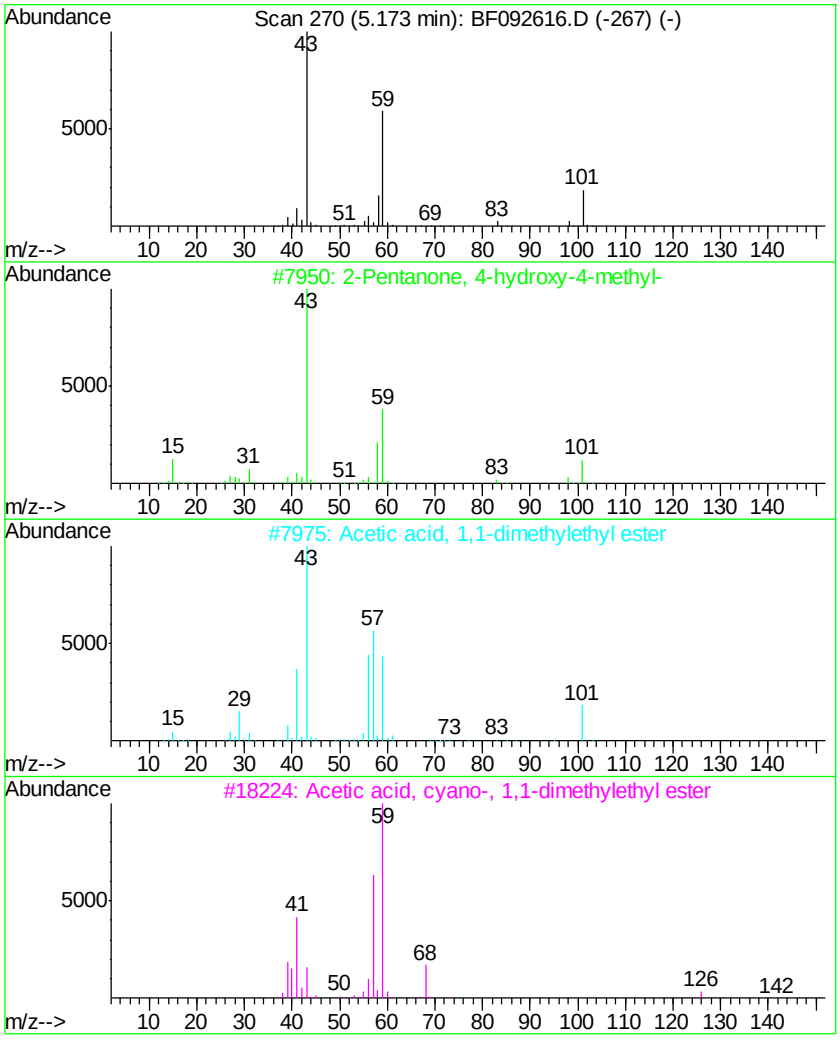
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

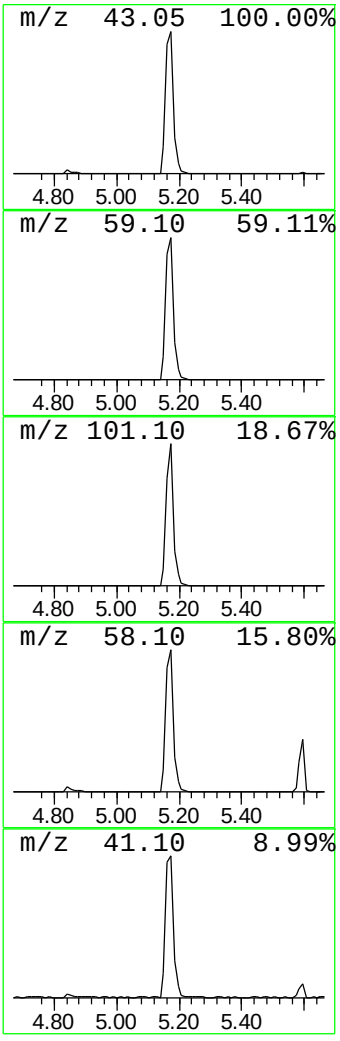
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	45.36 ng	2123090	1,4-Dichlorobenzene-d4	6.97

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	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092616.D
Acq On : 28 Jan 2017 10:12
Operator : SJ/MA
Sample : I1528-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

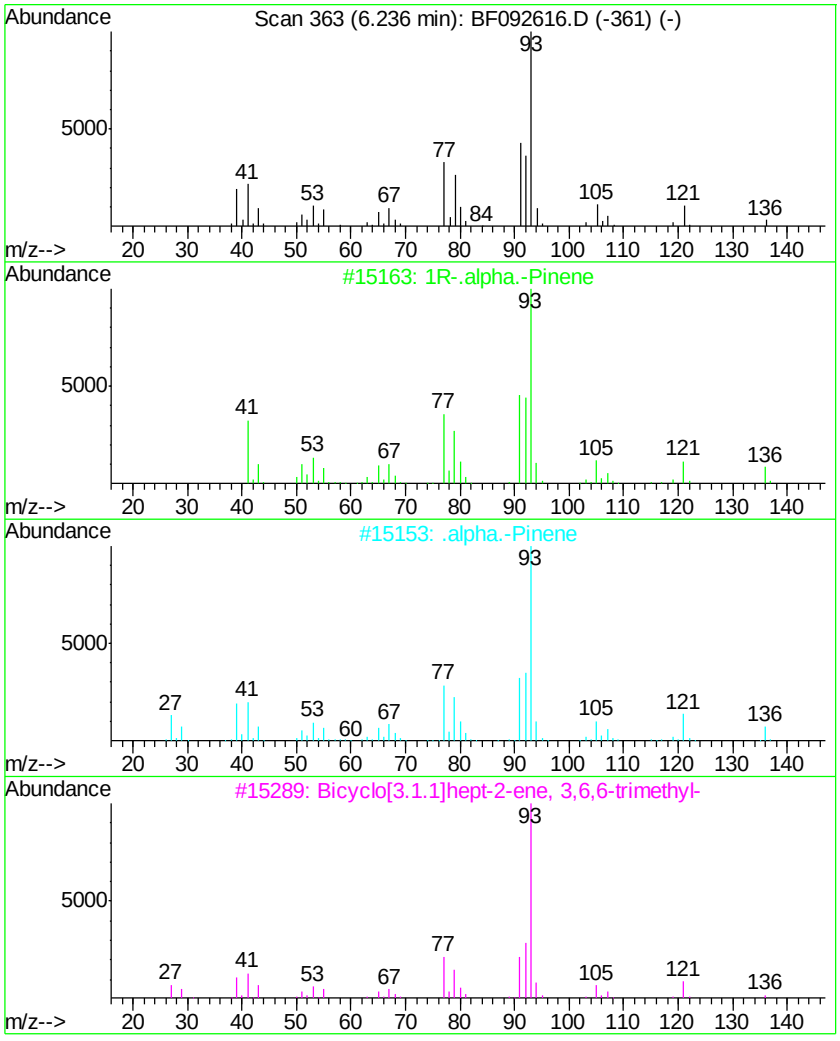
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

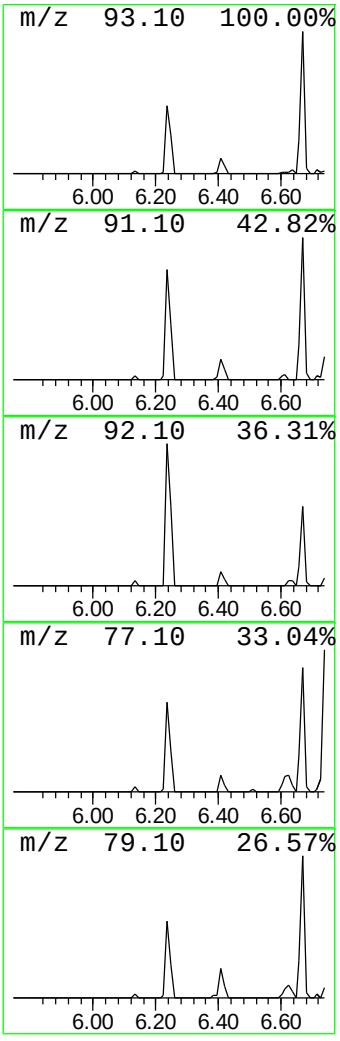
****

Peak Number 2 1R-.alpha.-Pinene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	3.13 ng	146589	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
2	.alpha.-Pinene	136	C10H16	000080-56-8	94
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	94
4	Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136	C10H16	002437-95-8	94
5	Bicyclo[4.1.0]hept-3-ene, 3,7,7-...	136	C10H16	000498-15-7	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092616.D
Acq On : 28 Jan 2017 10:12
Operator : SJ/MA
Sample : I1528-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

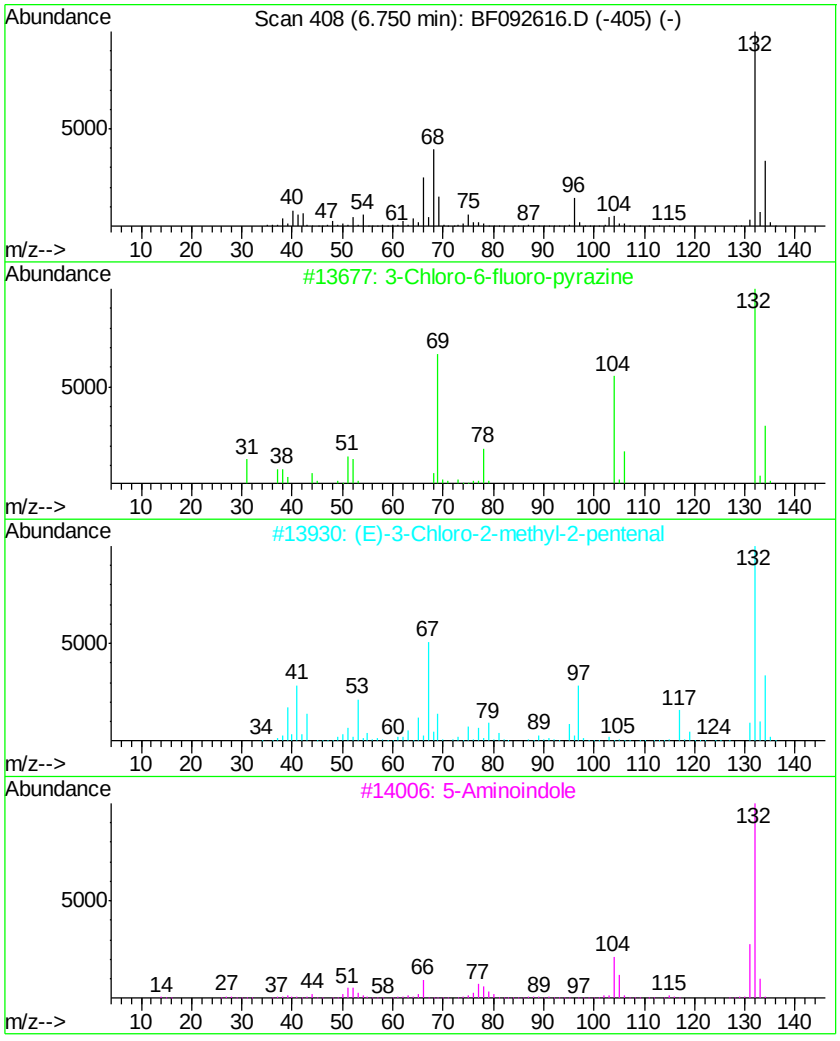
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

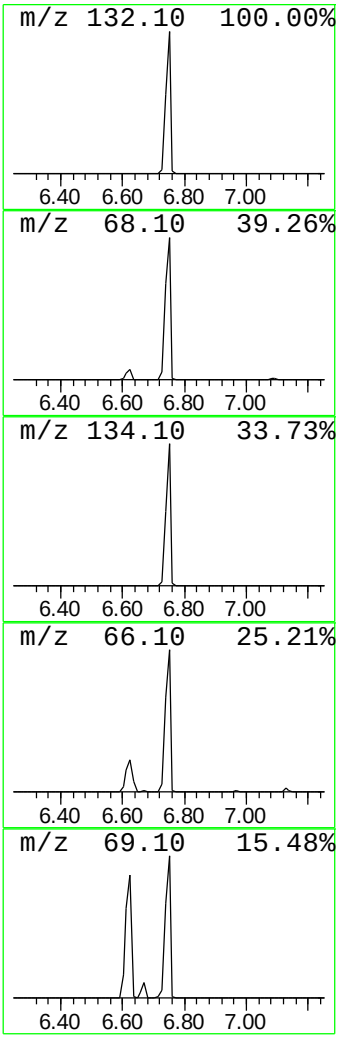
****

Peak Number 3 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	109.30 ng	5115920	1,4-Dichlorobenzene-d4	6.97

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	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092616.D
Acq On : 28 Jan 2017 10:12
Operator : SJ/MA
Sample : I1528-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

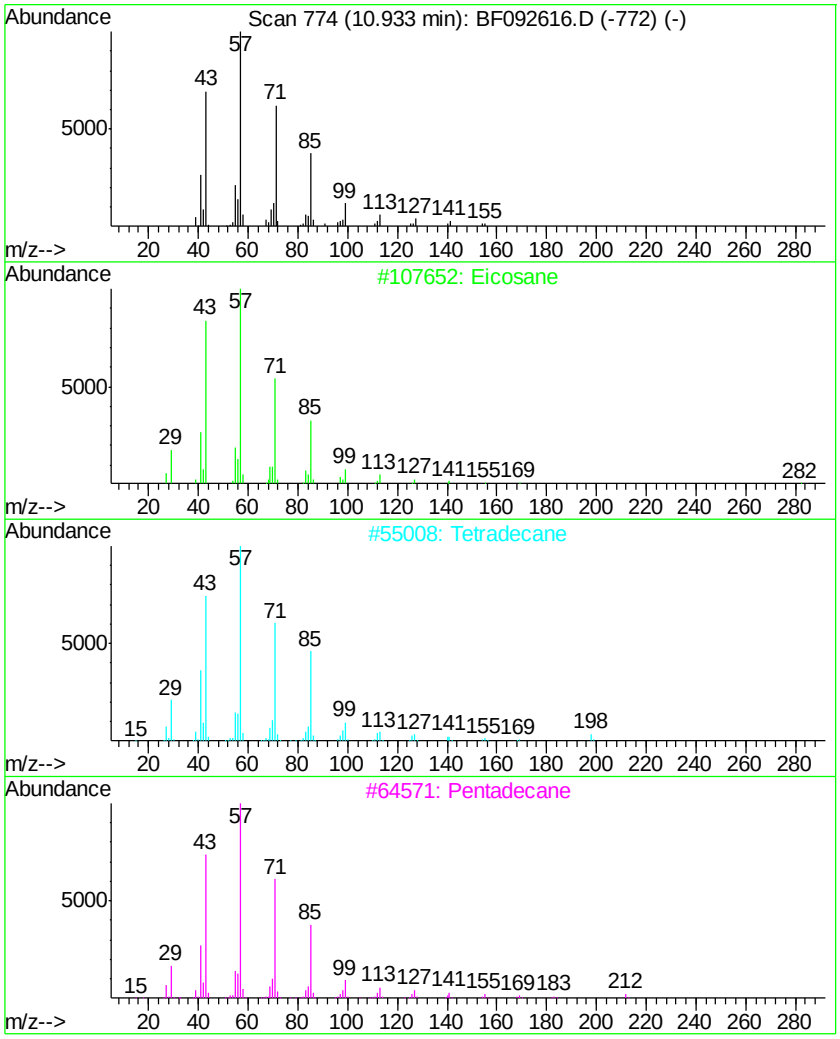
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

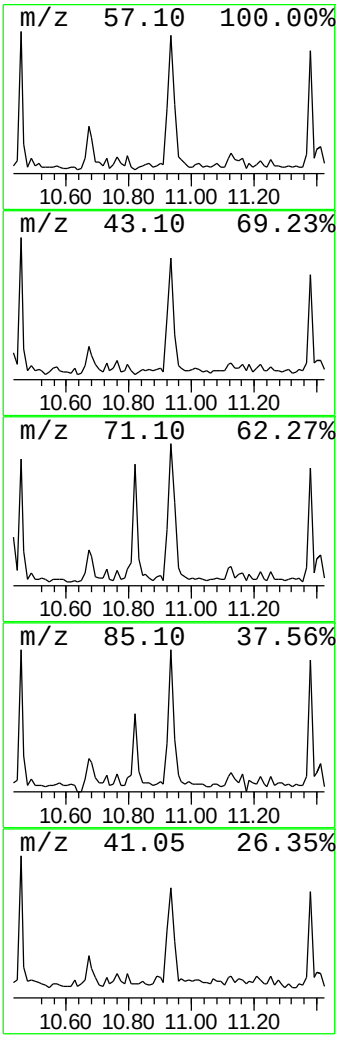
****

Peak Number 5 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	2.70 ng	127890	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Tetradecane	198	C14H30	000629-59-4	91
3	Pentadecane	212	C15H32	000629-62-9	90
4	Tridecane	184	C13H28	000629-50-5	90
5	Hexadecane	226	C16H34	000544-76-3	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092616.D
Acq On : 28 Jan 2017 10:12
Operator : SJ/MA
Sample : I1528-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

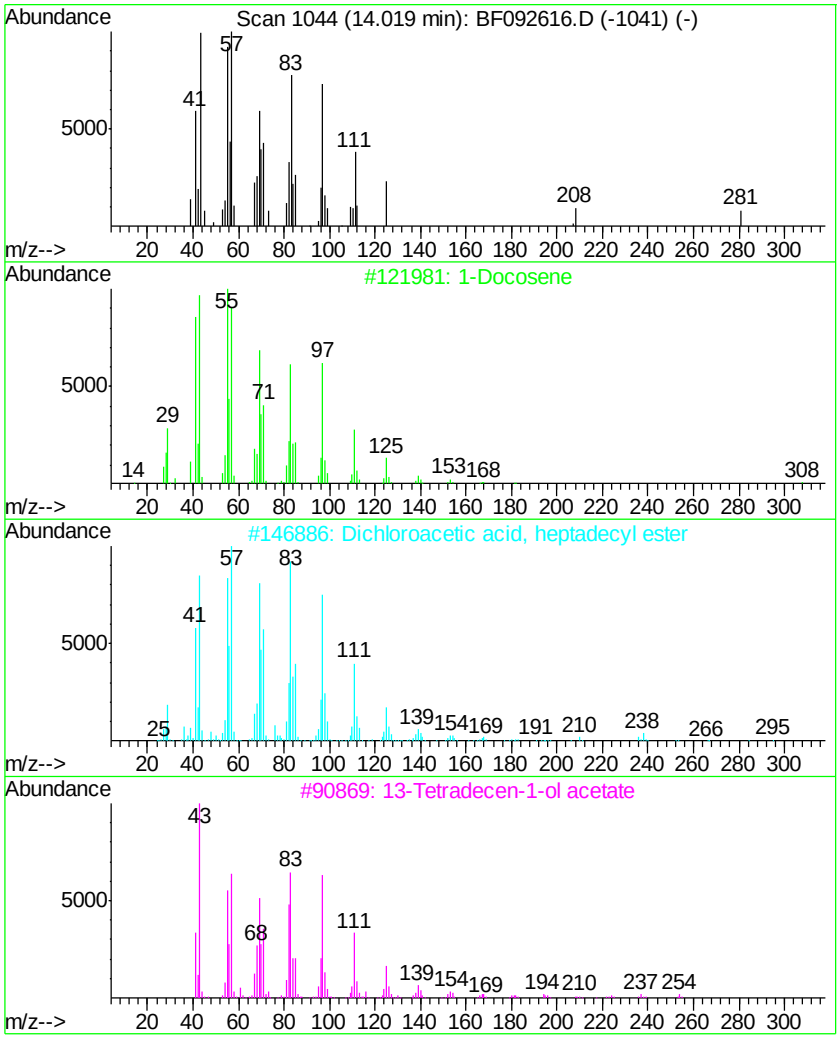
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

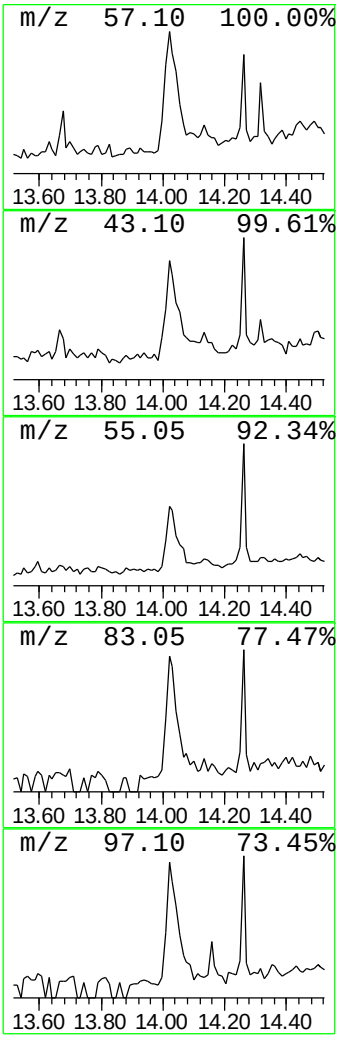
****

Peak Number 6 1-Docosene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	3.08 ng	126719	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	91
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91
3	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	91
4	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	91
5	1-Octadecanol	270	C18H38O	000112-92-5	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092616.D
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Operator : SJ/MA
Sample : I1528-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

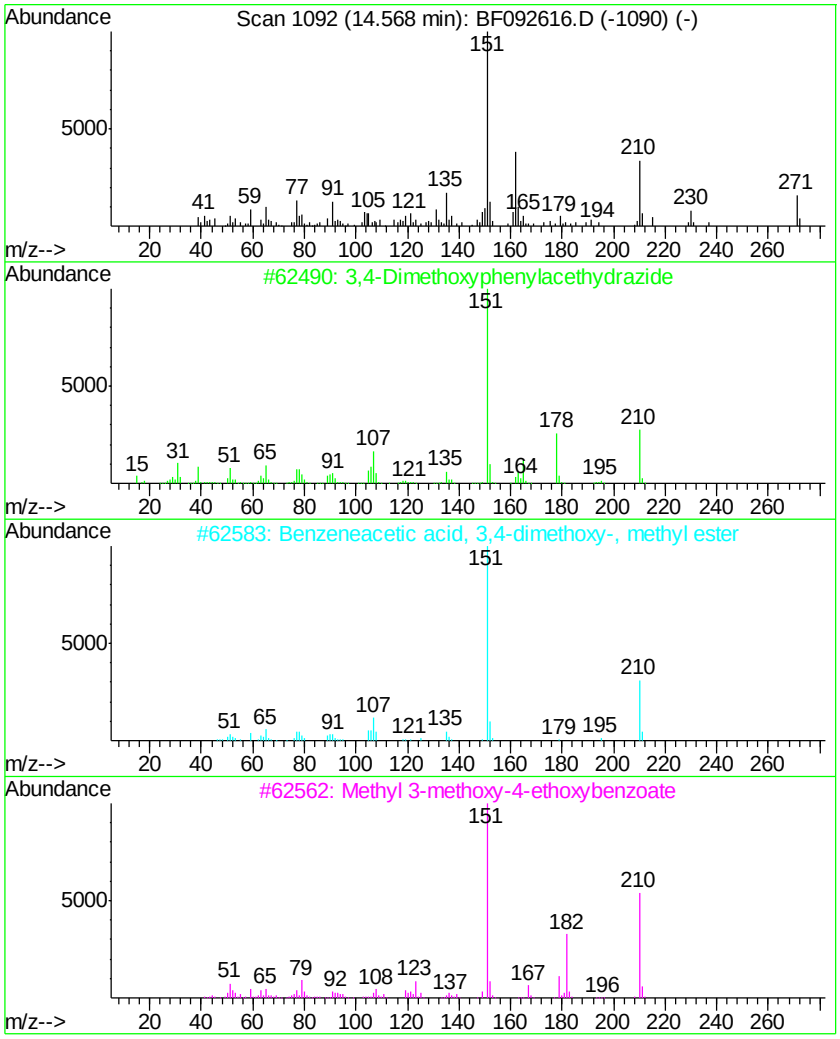
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

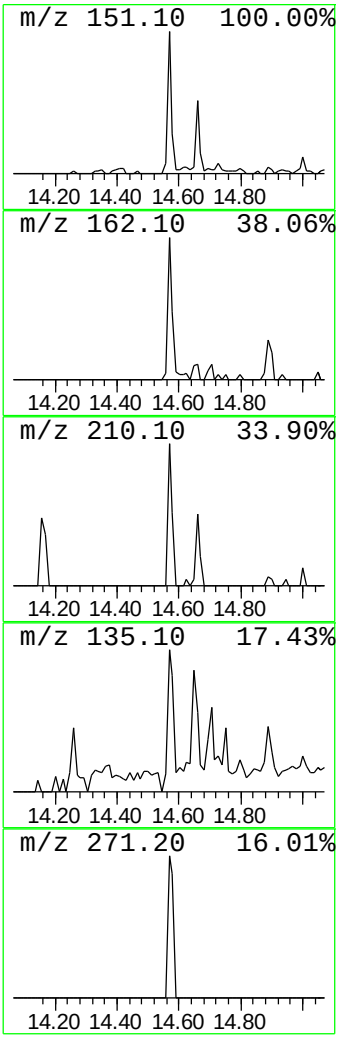
****

Peak Number 7 unknown14.57 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	3.39 ng	139490	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethoxyphenylacethydrazide	210	C10H14N2O3	060075-23-2	49
2	Benzeneacetic acid, 3,4-dimethox...	210	C11H14O4	015964-79-1	49
3	Methyl 3-methoxy-4-ethoxybenzoate	210	C11H14O4	003535-24-8	46
4	3-(3,4-Dimethoxyphenyl)-propioni...	210	C11H14O4	002107-70-2	46
5	Acetic acid, 2-(3,5-dimethoxyphe...	210	C11H14O4	006512-32-9	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092616.D
Acq On : 28 Jan 2017 10:12
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Sample : I1528-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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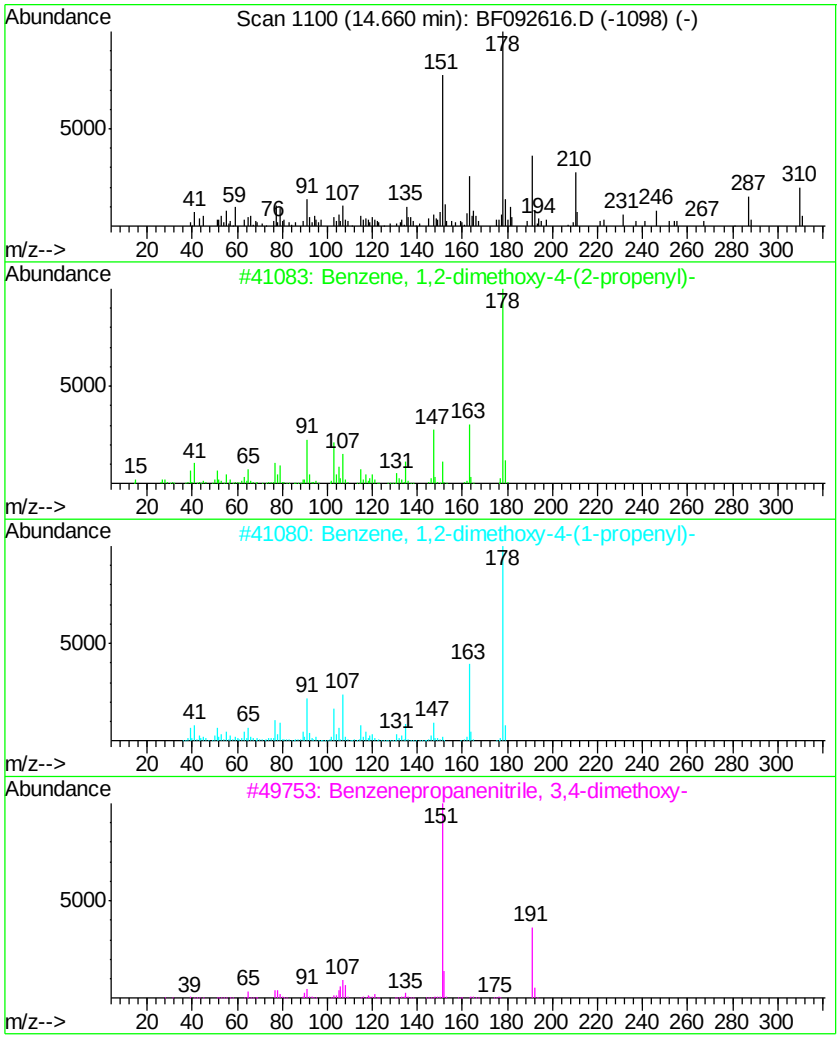
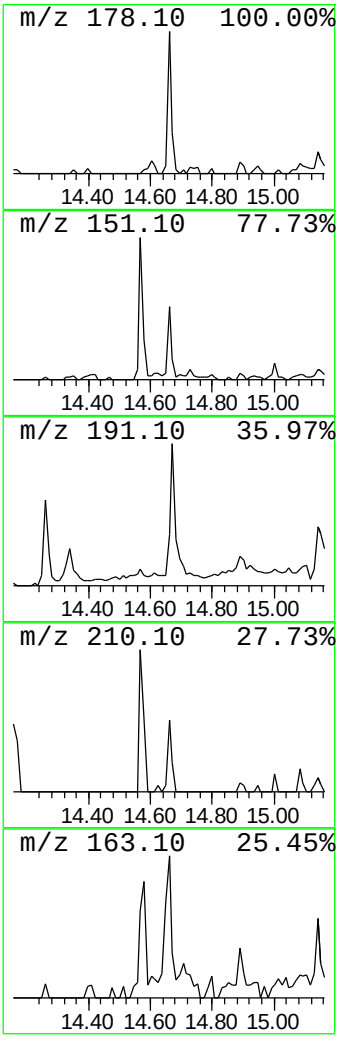
Peak Number 8 unknown14.66 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	3.87 ng	159106	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dimethoxy-4-(2-prop...	178	C11H14O2	000093-15-2	38
2	Benzene, 1,2-dimethoxy-4-(1-prop...	178	C11H14O2	000093-16-3	38
3	Benzenepropanenitrile, 3,4-dimet...	191	C11H13NO2	049621-56-9	25
4	Benzeneacetic acid, 3,4-dimethox...	210	C11H14O4	015964-79-1	25
5	1,2,3,4-Tetrahydroisoquinolin-6-...	269	C17H19NO2	033770-34-2	22





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Acq On : 28 Jan 2017 10:12
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

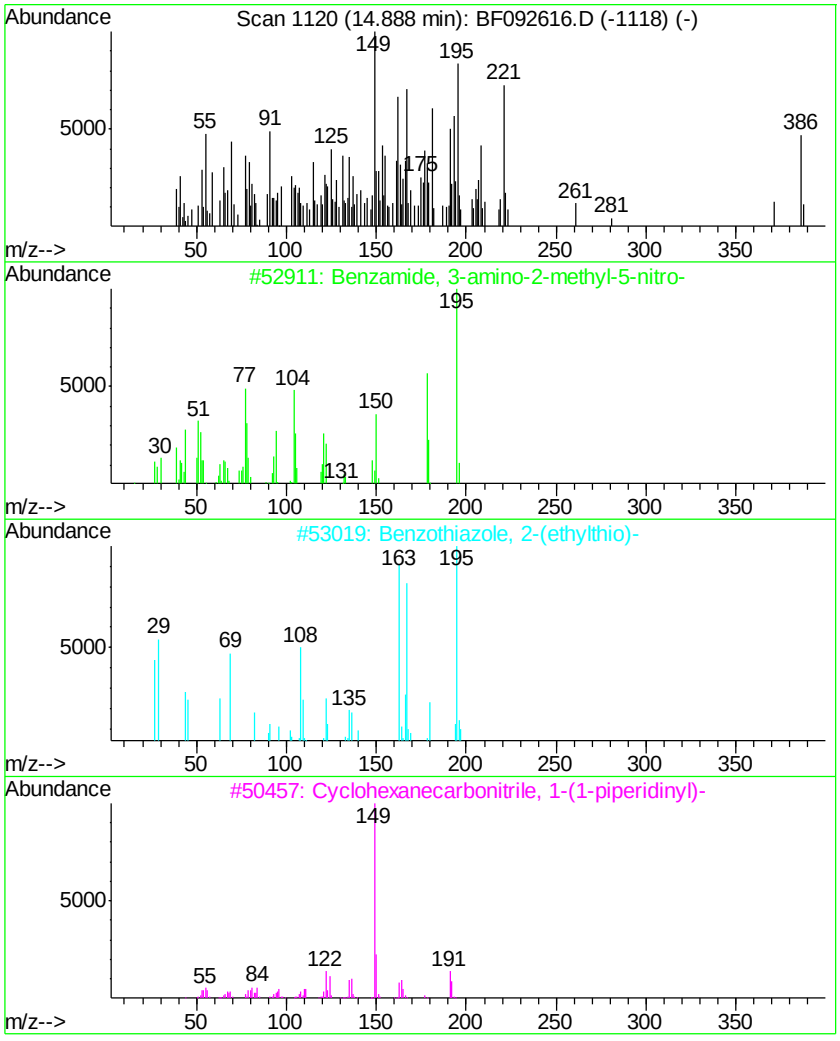
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

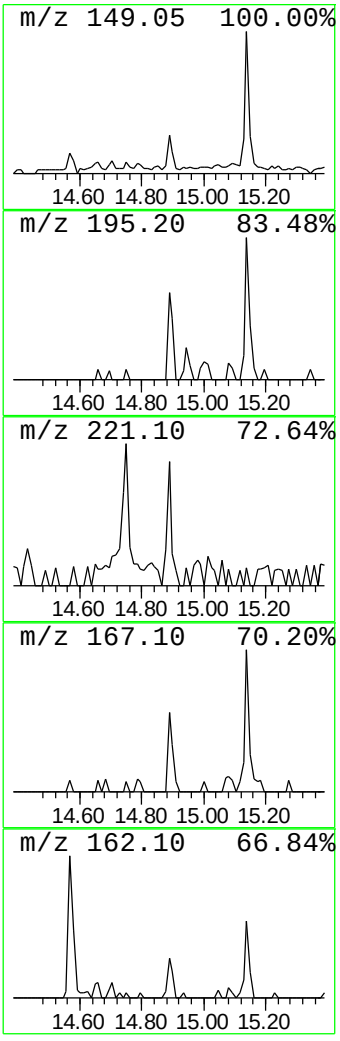
****

Peak Number 9 unknown14.89 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	2.47 ng	101434	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, 3-amino-2-methyl-5-ni...	195	C8H9N3O3	003572-44-9	15
2	Benzothiazole, 2-(ethylthio)-	195	C9H9NS2	002757-92-8	15
3	Cyclohexanecarbonitrile, 1-(1-pi...	192	C12H20N2	003867-15-0	14
4	Methyl 4-tert-butyl-thiobenzoate	208	C12H16OS	078906-90-8	11
5	1,1-di(p-Tolyl)ethylene	208	C16H16	002919-20-2	11





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092616.D
Acq On : 28 Jan 2017 10:12
Operator : SJ/MA
Sample : I1528-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

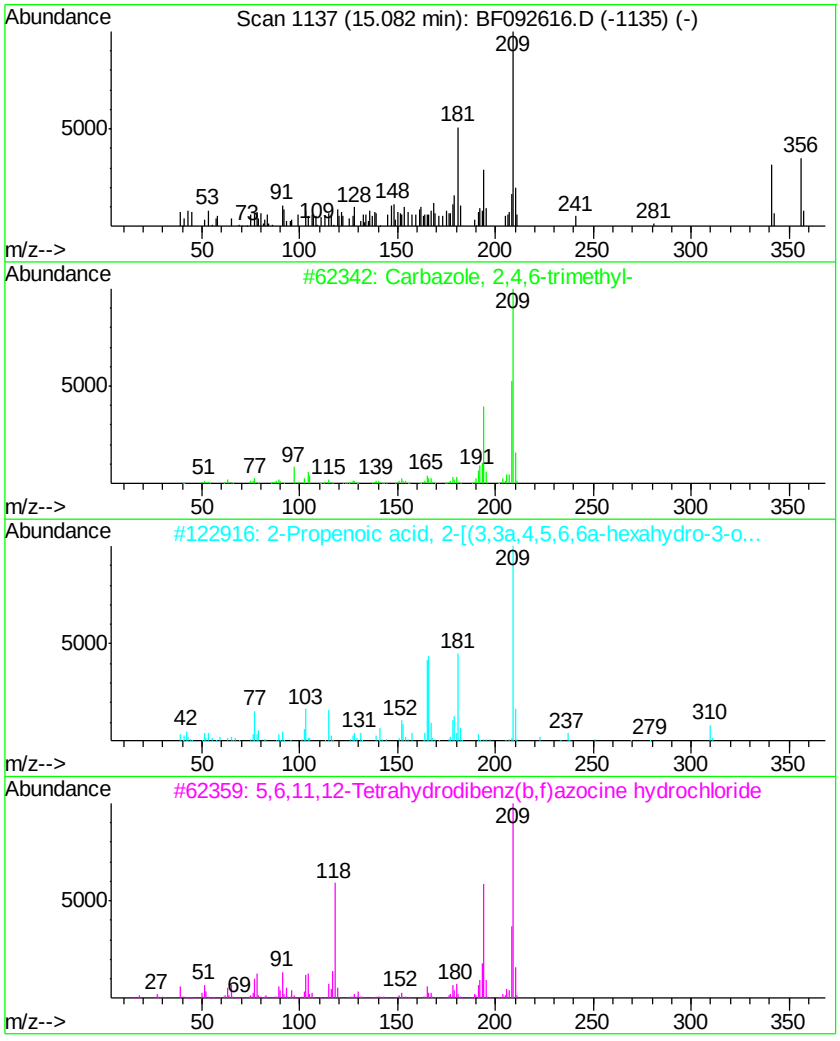
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

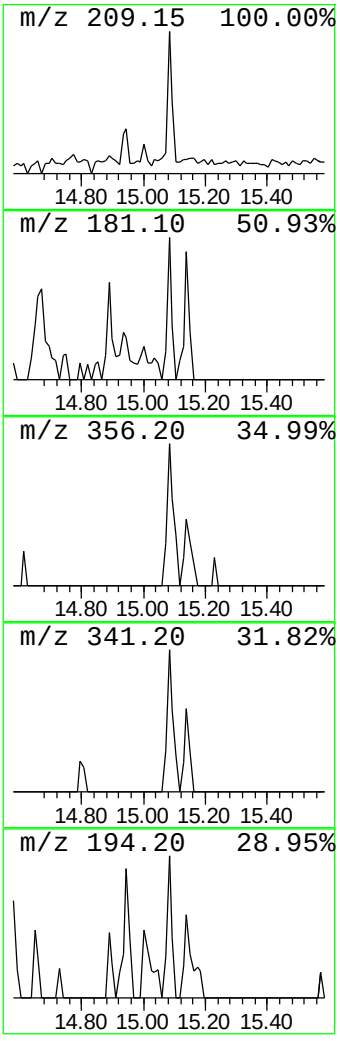
****

Peak Number 10 Carbazole, 2,4,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	2.50 ng	83583	Perylene-d12	15.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbazole, 2,4,6-trimethyl-	209	C15H15N	078787-88-9	50
2	2-Propenoic acid, 2-[(3,3a,4,5,6...	310	C19H18O4	1000221-45-4	47
3	5,6,11,12-Tetrahydrodibenz(b,f)a...	209	C15H15N	005697-88-1	46
4	Carbazole, 2,4,7-trimethyl-	209	C15H15N	078787-89-0	46
5	Carbazole, 1,5,7-trimethyl-	209	C15H15N	078787-84-5	46





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Data File : BF092616.D
Acq On : 28 Jan 2017 10:12
Operator : SJ/MA
Sample : I1528-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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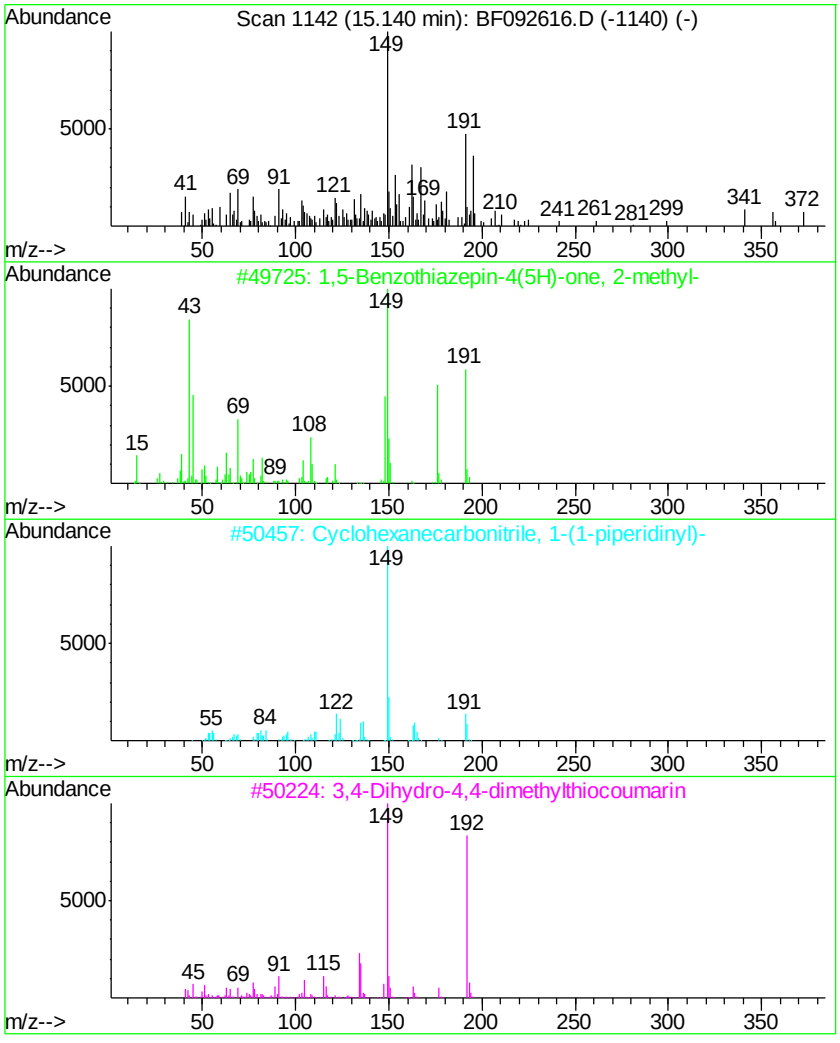
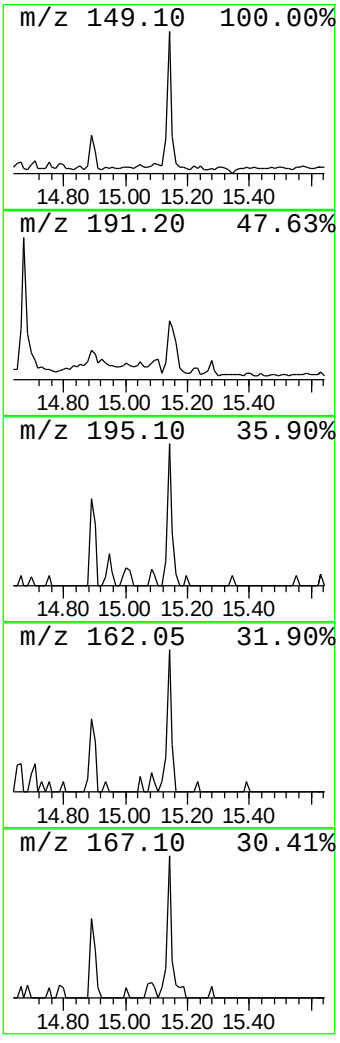
Peak Number 11 unknown15.14 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	5.57 ng	186141	Perylene-d12	15.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Benzothiazepin-4(5H)-one, 2-...	191	C10H9NOS	063870-02-0	49
2	Cyclohexanecarbonitrile, 1-(1-pi...	192	C12H20N2	003867-15-0	38
3	3,4-Dihydro-4,4-dimethylthiocoum...	192	C11H12OS	091587-25-6	27
4	4-Methylthieno[2,3-b]pyridine	149	C8H7NS	013362-81-7	25
5	1-Methyl-3-ethyladamantane	178	C13H22	001687-34-9	22





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092616.D
Acq On : 28 Jan 2017 10:12
Operator : SJ/MA
Sample : I1528-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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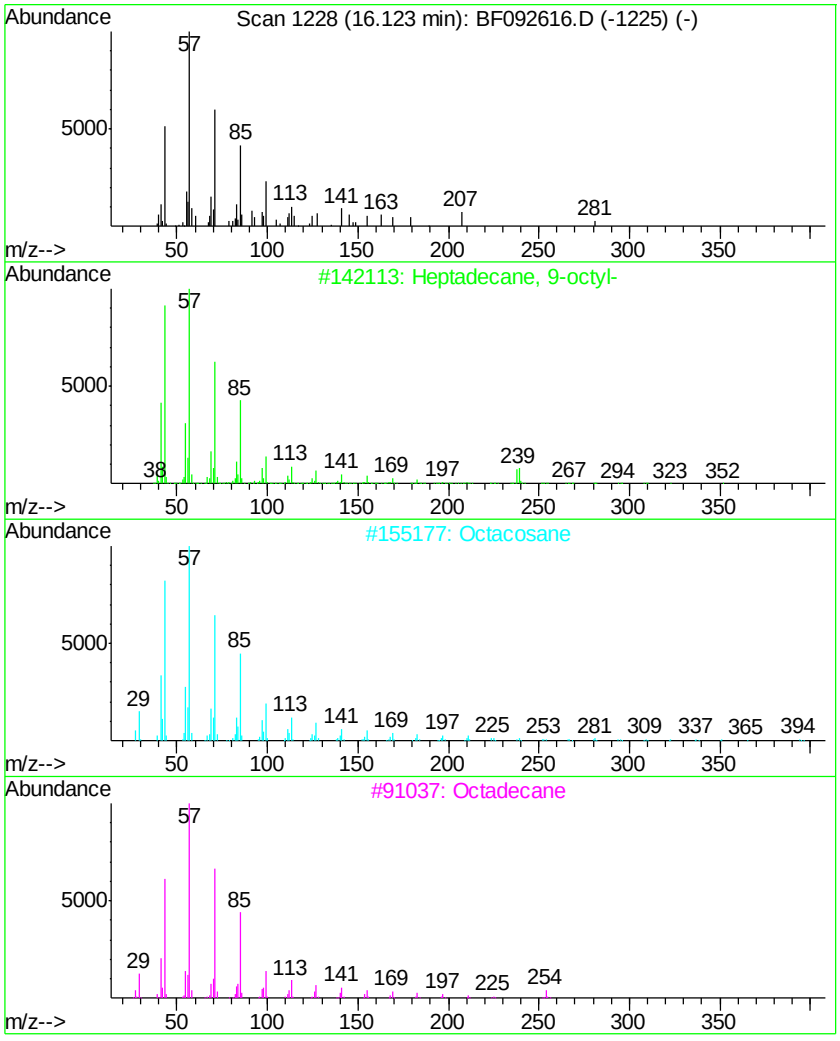
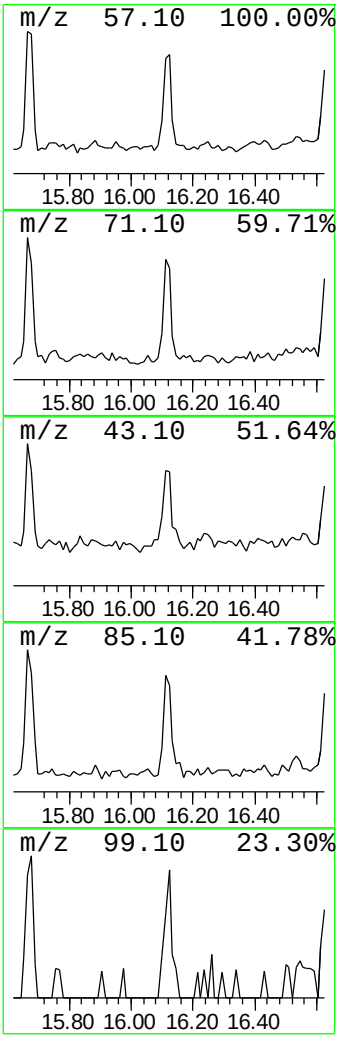
Peak Number 12 Heptadecane, 9-octyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	2.05 ng	68714	Perylene-d12	15.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	80
2	Octacosane	394	C28H58	000630-02-4	80
3	Octadecane	254	C18H38	000593-45-3	80
4	Heneicosane	296	C21H44	000629-94-7	72
5	Nonacosane	408	C29H60	000630-03-5	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092616.D
Acq On : 28 Jan 2017 10:12
Operator : SJ/MA
Sample : I1528-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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
2-Pentanone, 4-hy...	5.17	45.4	ng	2123090	1	6.97	936089	20.0
1R-.alpha.-Pinene	6.24	3.1	ng	146589	1	6.97	936089	20.0
unknown6.75	6.75	109.3	ng	5115920	1	6.97	936089	20.0
Eicosane	10.93	2.7	ng	127890	4	11.52	946129	20.0
1-Docosene	14.02	3.1	ng	126719	5	14.16	822075	20.0
unknown14.57	14.57	3.4	ng	139490	5	14.16	822075	20.0
unknown14.66	14.66	3.9	ng	159106	5	14.16	822075	20.0
unknown14.89	14.89	2.5	ng	101434	5	14.16	822075	20.0
Carbazole, 2,4,6-...	15.08	2.5	ng	83583	6	15.65	668792	20.0
unknown15.14	15.14	5.6	ng	186141	6	15.65	668792	20.0
Heptadecane, 9-oc...	16.12	2.0	ng	68714	6	15.65	668792	20.0