LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092503.D
Acq On : 26 Jan 2017 3:27
Operator : SJ/MA
Sample : I1346-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P15-11817

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	4.819	238	239	249	rVB	35773	51897	1.07%	0.094%
2	5.161	265	269	275	rBV	1506045	2229378	45.90%	4.018%
3	5.561	301	304	307	rBV	3445966	4819024	99.22%	8.686%
4	6.590	390	394	397	rBV	3854016	4820006	99.24%	8.688%
5	6.727	403	406	409	rBV	3334196	4856872	100.00%	8.754%
6	6.967	425	427	429	rBV	1097970	965499	19.88%	1.740%
7	7.127	438	441	443	rBV	3439124	3679067	75.75%	6.631%
8	7.527	473	476	479	rVB	2334596	3180193	65.48%	5.732%
9	8.259	537	540	542	rBV	1406861	1343963	27.67%	2.422%
10	8.705	576	579	583	rVB3	29667	73432	1.51%	0.132%
11	9.345	632	635	637	rBV	4646077	4690982	96.58%	8.455%
12	9.425	640	642	649	rVB4	42571	91053	1.87%	0.164%
13	9.733	667	669	671	rVB	309568	302286	6.22%	0.545%
14	9.802	671	675	680	rVB3	25920	78410	1.61%	0.141%
15	9.882	680	682	685	rBV	60321	61636	1.27%	0.111%
16	9.962	685	689	691	rVB3	34869	72938	1.50%	0.131%
17	10.019	692	694	696	rVV	1041546	1444852	29.75%	2.604%
18	10.053	696	697	699	rVB	593534	528916	10.89%	0.953%
19	10.179	707	708	710	rBV2	42352	50549	1.04%	0.091%
20	10.225	710	712	715	rVV	258580	264983	5.46%	0.478%
21	10.316	718	720	724	rBV2	147512	238928	4.92%	0.431%
22	10.465	731	733	734	rVB2	71743	98237	2.02%	0.177%
23	10.568	740	742	745	rVB	289495	304496	6.27%	0.549%
24	10.636	745	748	749	rBV	60046	99048	2.04%	0.179%
25	10.659	749	750	755	rVV2	106629	186241	3.83%	0.336%
26	10.728	755	756	758	rVB	102134	88847	1.83%	0.160%
27	10.819	760	764	766	rBV	2615360	3190268	65.69%	5.750%
28	10.933	769	774	778	rVB	193057	237947	4.90%	0.429%
29	11.002	778	780	783	rBV2	42647	51211	1.05%	0.092%
30	11.116	787	790	792	rBV2	46901	105032	2.16%	0.189%
31	11.311	805	807	809	rVB	46624	49486	1.02%	0.089%
32	11.379	809	813	814	rBV3	135757	176837	3.64%	0.319%
33	11.402	814	815	818	rVB	115988	129507	2.67%	0.233%
34	11.505	822	824	828	rVV	1052758	1950112	40.15%	3.515%

LSC Area Percent Report

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Data File : BF092503.D
Acq On : 26 Jan 2017 3:27
Operator : SJ/MA
Sample : I1346-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P15-11817

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

35	11.585	828	831	832	rVV	387264	348726	7.18%	0.629%
36	11.619	832	834	836	rVB	130367	131266	2.70%	0.237%
37	11.734	841	844	848	rBV	120495	150029	3.09%	0.270%
38	11.802	848	850	855	rVV4	33092	61212	1.26%	0.110%
39	12.008	863	868	869	rBV5	81755	110449	2.27%	0.199%
40	12.042	869	871	873	rVV2	149820	183834	3.79%	0.331%
41	12.088	873	875	876	rVV2	39619	50189	1.03%	0.090%
42	12.122	876	878	881	rVV2	350614	375814	7.74%	0.677%
43	12.305	892	894	897	rVB2	74370	112972	2.33%	0.204%
44	12.454	903	907	909	rBV2	37347	58761	1.21%	0.106%
45	12.556	914	916	918	rBV2	52759	76692	1.58%	0.138%
46	12.728	929	931	933	rBV	1095546	912933	18.80%	1.645%
47	12.762	933	934	938	rVB3	46258	86277	1.78%	0.156%
48	12.876	940	944	946	rBV2	40642	86402	1.78%	0.156%
49	12.956	946	951	953	rBV	635617	1056892	21.76%	1.905%
50	13.002	953	955	957	rVB2	39645	50667	1.04%	0.091%
51	13.105	961	964	966	rVB	4285095	4711515	97.01%	8.492%
52	13.174	966	970	971	rBV	46157	76927	1.58%	0.139%
53	13.197	971	972	974	rVB	129914	113952	2.35%	0.205%
54	13.242	974	976	978	rBV	147013	202839	4.18%	0.366%
55	13.277	978	979	981	rVB	100007	84796	1.75%	0.153%
56	13.345	983	985	986	rBV	81051	73732	1.52%	0.133%
57	13.379	986	988	990	rBV	75366	72214	1.49%	0.130%
58	13.471	994	996	998	rBV	46404	49514	1.02%	0.089%
59	13.505	998	999	1001	rVB	63415	48870	1.01%	0.088%
60	13.574	1003	1005	1008	rVB	110968	154317	3.18%	0.278%
61	13.631	1008	1010	1011	rBV2	39995	49364	1.02%	0.089%
62	13.677	1011	1014	1020	rVB6	61254	136854	2.82%	0.247%
63	13.779	1021	1023	1026	rVB2	46894	67555	1.39%	0.122%
64	13.894	1030	1033	1035	rBV3	51805	107338	2.21%	0.193%
65	13.997	1040	1042	1046	rVB	265346	332277	6.84%	0.599%
66	14.145	1052	1055	1060	rVB2	1478466	1995996	41.10%	3.598%
67	14.248	1062	1064	1068	rVV	42240	63163	1.30%	0.114%
68	14.317	1068	1070	1073	rVB4	27559	50413	1.04%	0.091%
69	14.534	1087	1089	1091	rVB	59509	55362	1.14%	0.100%
70	14.625	1093	1097	1099	rBV2	93211	127212	2.62%	0.229%
71	14.934	1121	1124	1128	rVB4	28246	60063	1.24%	0.108%

LSC Area Percent Report

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Data File : BF092503.D
Acq On : 26 Jan 2017 3:27
Operator : SJ/MA
Sample : I1346-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P15-11817

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

72	15.185	1144	1146	1151	rBV	187427	411298	8.47%	0.741%
73	15.300	1152	1156	1159	rVB3	52500	110637	2.28%	0.199%
74	15.494	1171	1173	1176	rVB	123330	146614	3.02%	0.264%
75	15.551	1176	1178	1181	rBV	123197	189076	3.89%	0.341%
76	15.620	1181	1184	1187	rBV	694697	1080663	22.25%	1.948%
77	16.111	1225	1227	1229	rBV	35572	59348	1.22%	0.107%
78	16.168	1229	1232	1240	rVB7	33489	96467	1.99%	0.174%
79	16.637	1269	1273	1283	rBV4	24663	84373	1.74%	0.152%
80	17.094	1309	1313	1316	rBV2	53037	117935	2.43%	0.213%
81	17.243	1324	1326	1332	rBV3	15767	57353	1.18%	0.103%
82	17.528	1348	1351	1359	rVB	52668	128164	2.64%	0.231%

Sum of corrected areas: 55481449

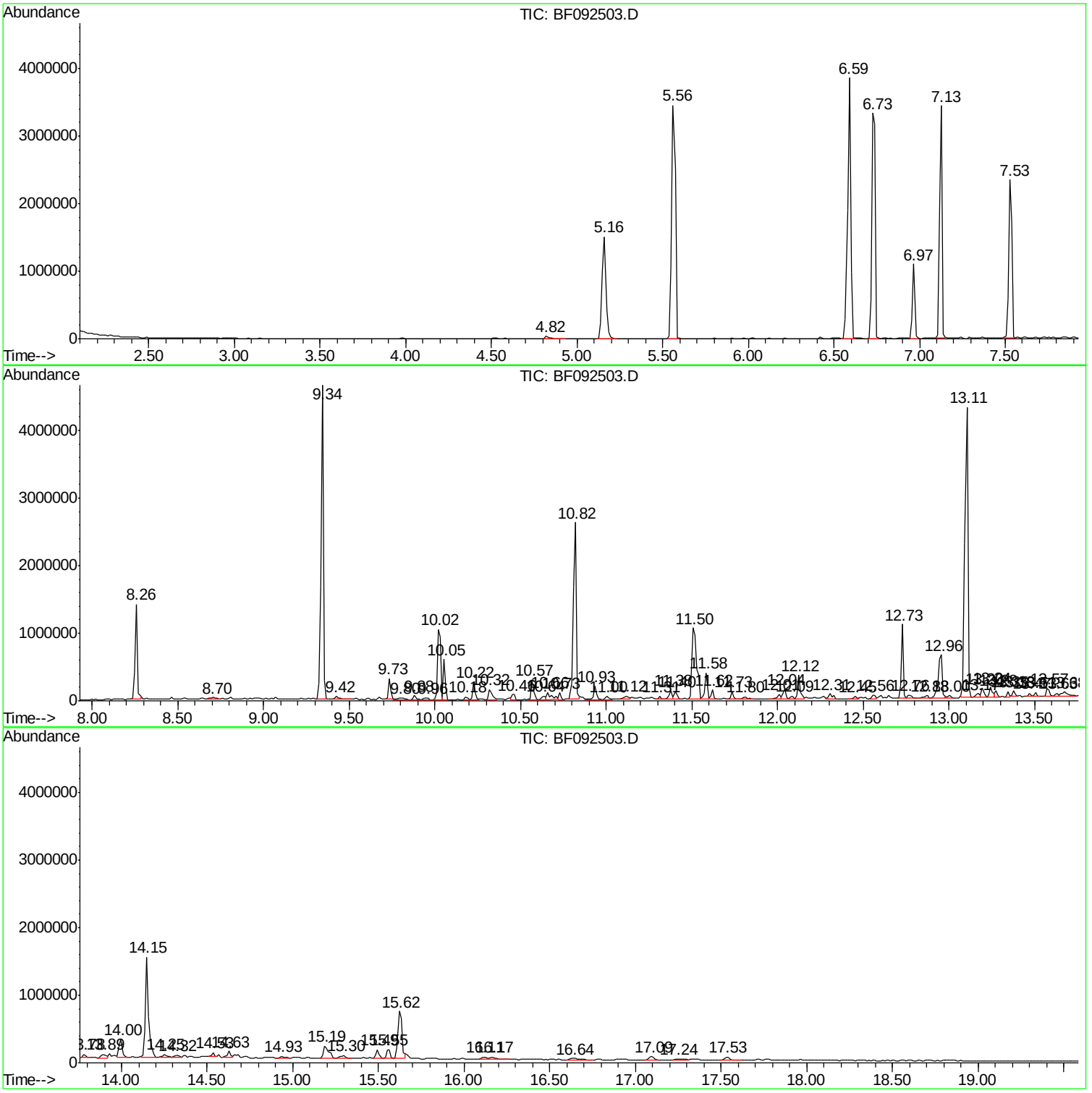
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092503.D
Acq On : 26 Jan 2017 3:27
Operator : SJ/MA
Sample : I1346-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P15-11817

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092503.D
Acq On : 26 Jan 2017 3:27
Operator : SJ/MA
Sample : I1346-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P15-11817

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

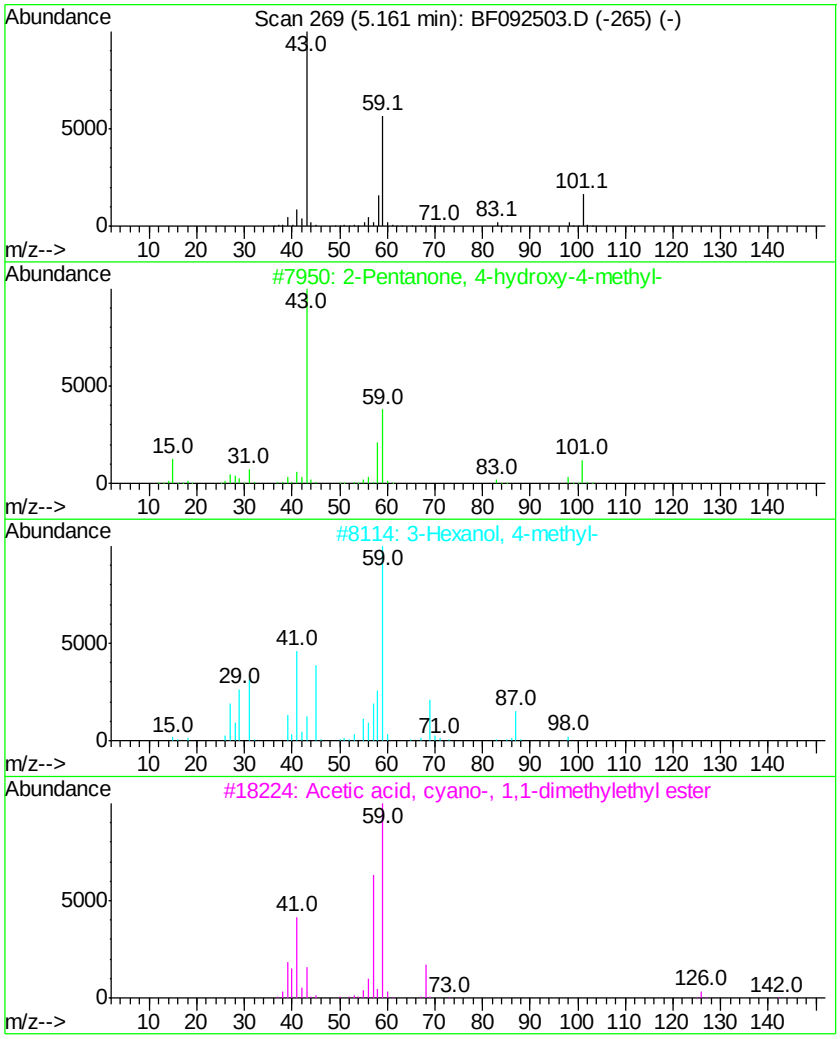
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

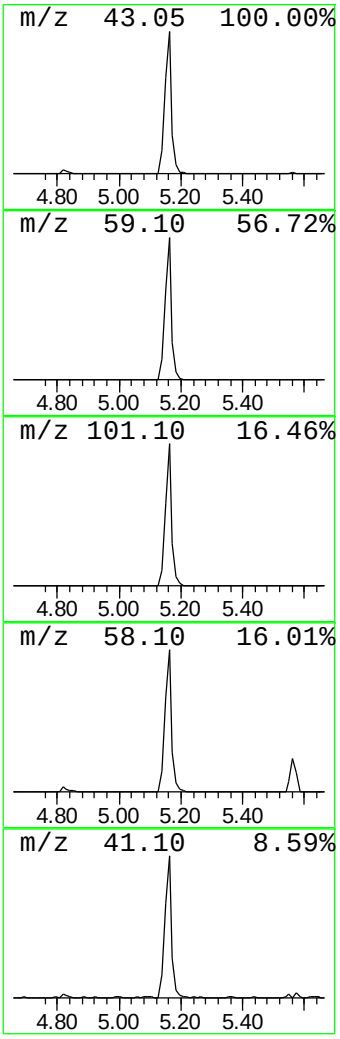
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	46.18 ng	2229380	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	59
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092503.D
Acq On : 26 Jan 2017 3:27
Operator : SJ/MA
Sample : I1346-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P15-11817

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

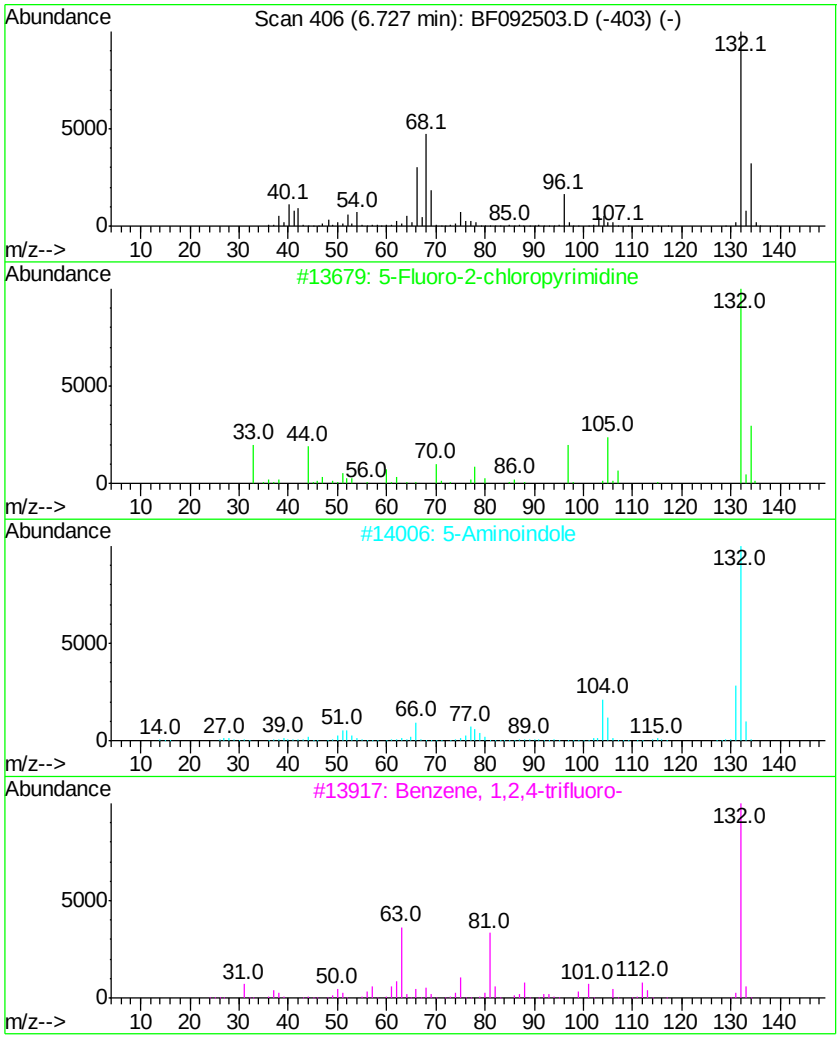
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

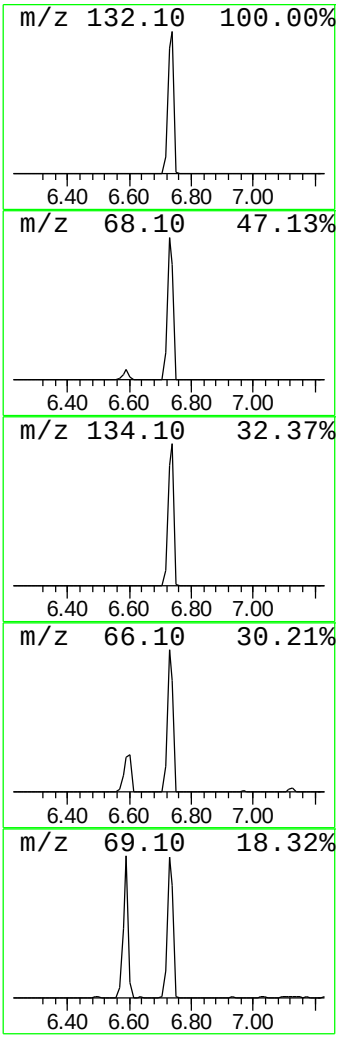
****

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	100.61 ng	4856870	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092503.D
Acq On : 26 Jan 2017 3:27
Operator : SJ/MA
Sample : I1346-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P15-11817

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

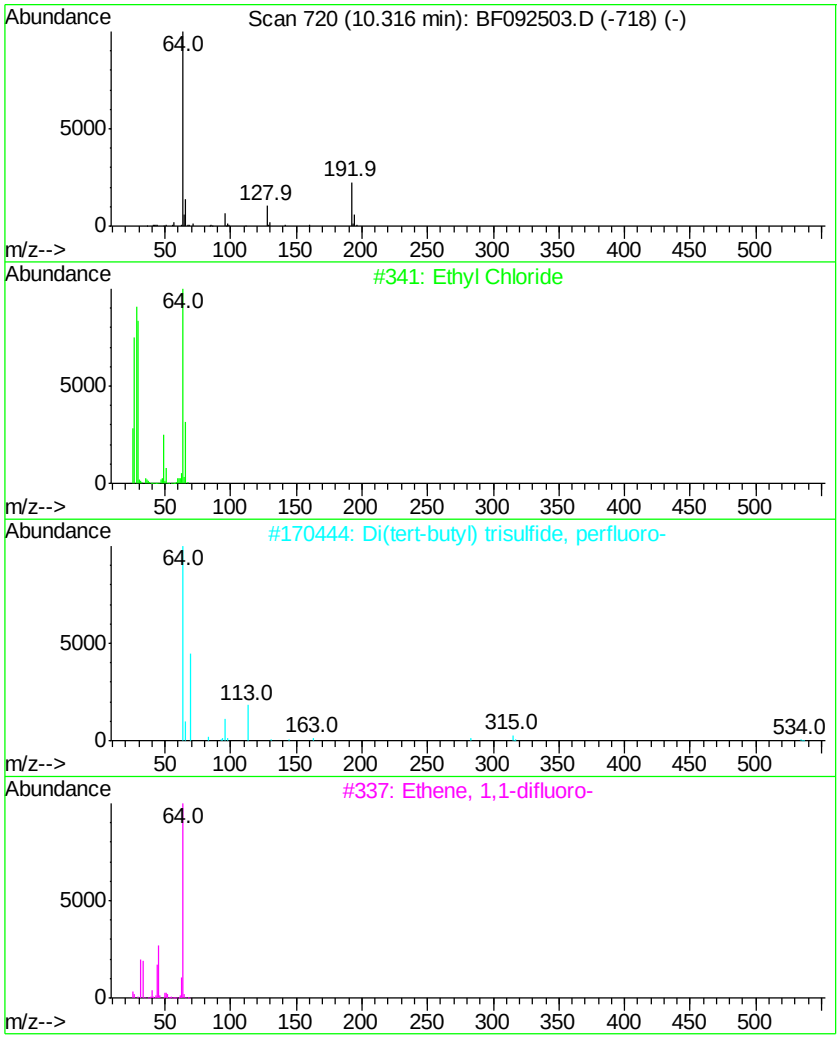
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

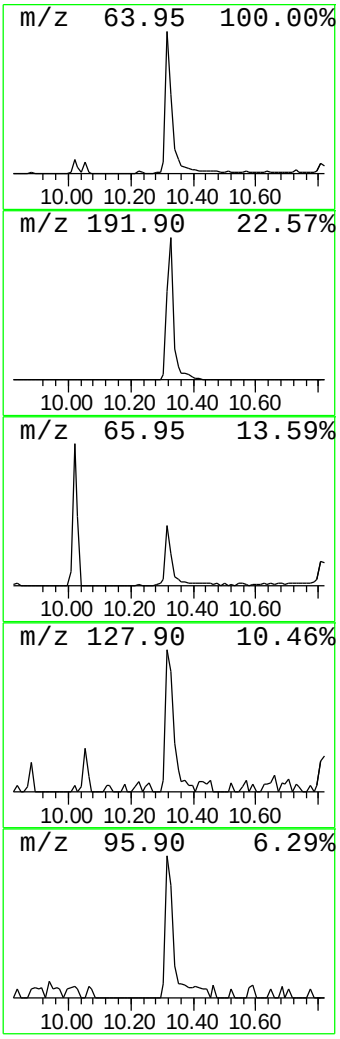
****

Peak Number 4 unknown10.32 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	3.31 ng	238928	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	4
2	Di(tert-butyl) trisulfide, perfl...	534	C8F18S3	016005-64-4	4
3	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
4	Sulfur dioxide	64	O2S	007446-09-5	3
5	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	3





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092503.D
Acq On : 26 Jan 2017 3:27
Operator : SJ/MA
Sample : I1346-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P15-11817

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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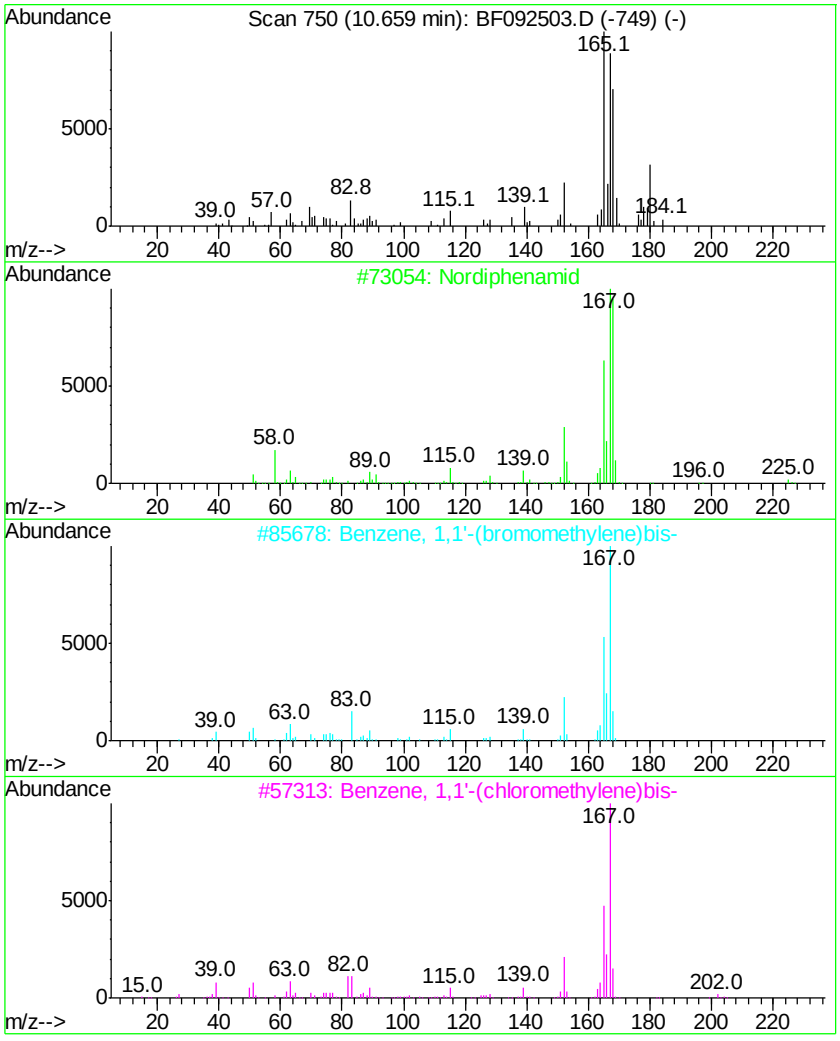
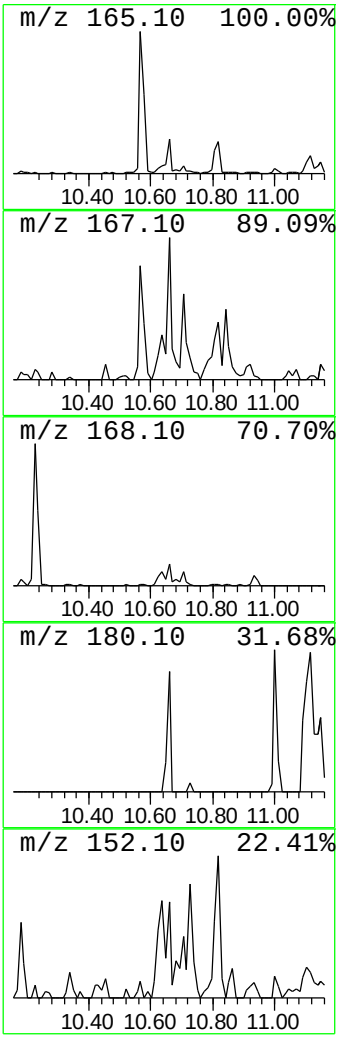
Peak Number 5 Nordiphenamid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	2.58 ng	186241	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	62
2	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	49
3	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	49
4	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	45
5	Diphenylmethane	168	C13H12	000101-81-5	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
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Acq On : 26 Jan 2017 3:27
Operator : SJ/MA
Sample : I1346-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P15-11817

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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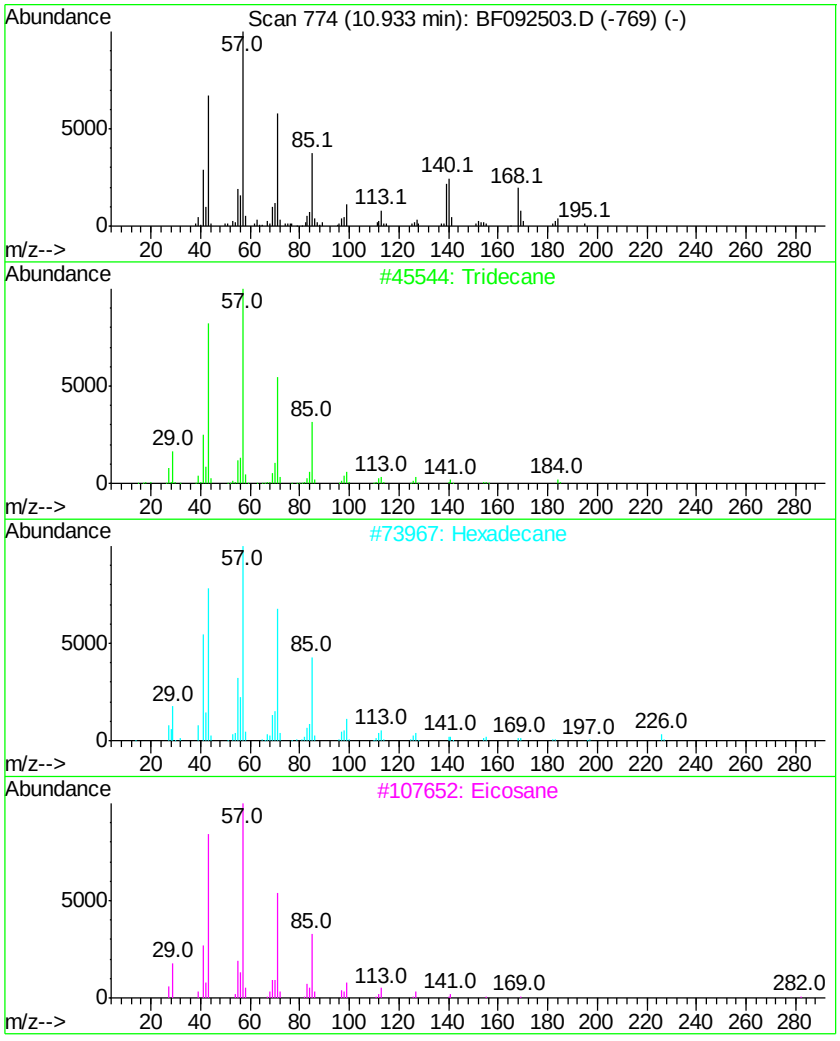
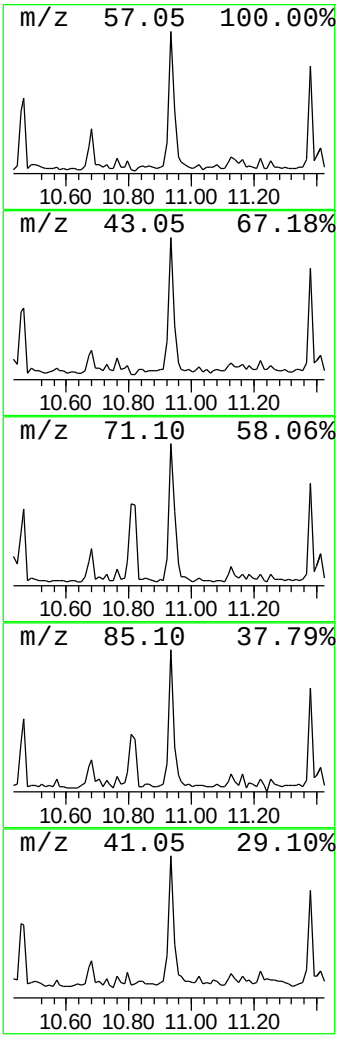
Peak Number 6 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	2.44 ng	237947	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	55
2	Hexadecane	226	C16H34	000544-76-3	49
3	Eicosane	282	C20H42	000112-95-8	49
4	Tetratetracontane	619	C44H90	007098-22-8	46
5	Tetradecane	198	C14H30	000629-59-4	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092503.D
Acq On : 26 Jan 2017 3:27
Operator : SJ/MA
Sample : I1346-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P15-11817

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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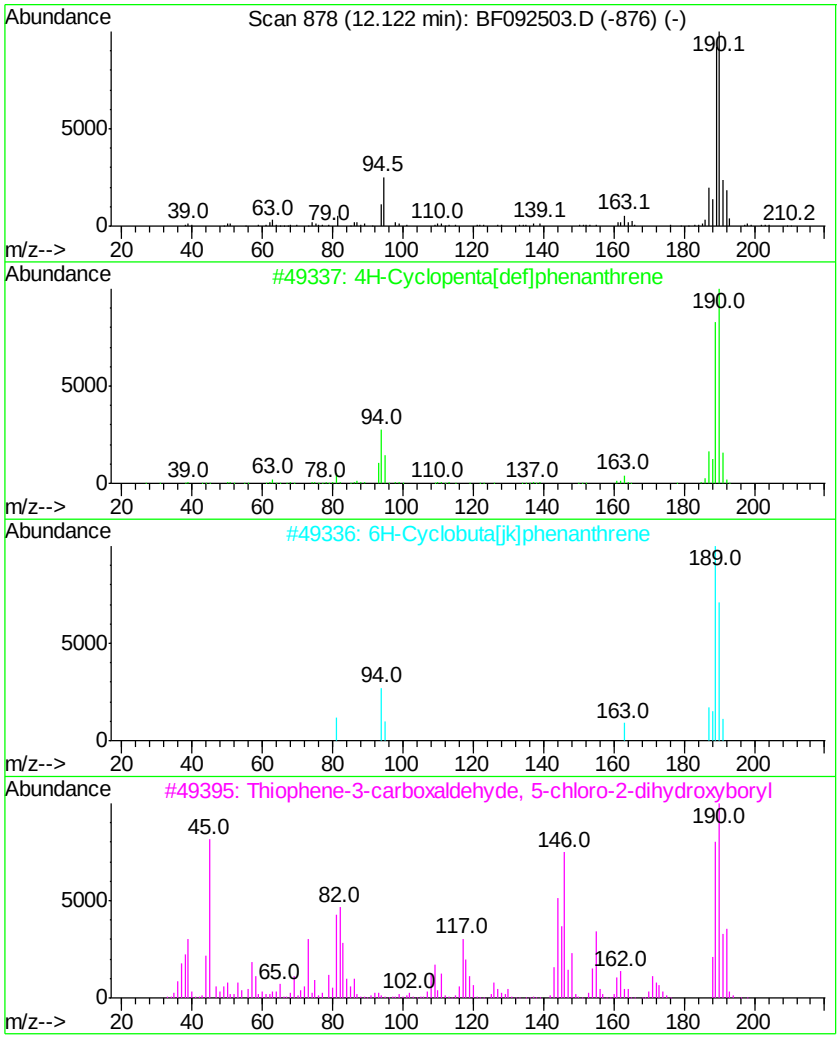
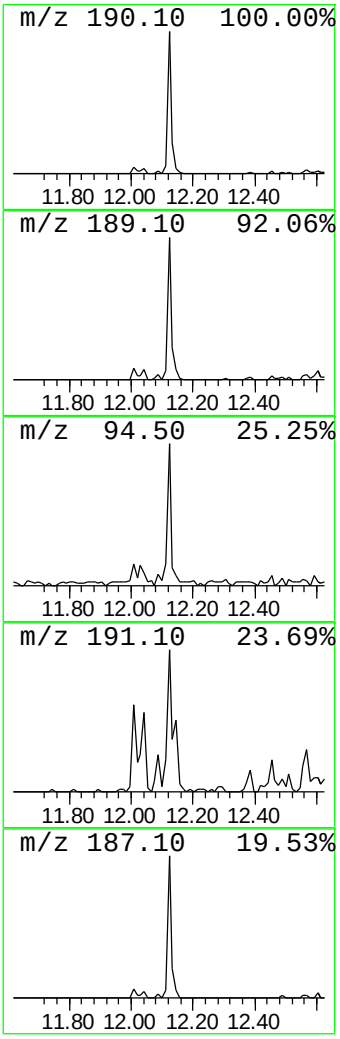
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.85 ng	375814	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092503.D
Acq On : 26 Jan 2017 3:27
Operator : SJ/MA
Sample : I1346-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P15-11817

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

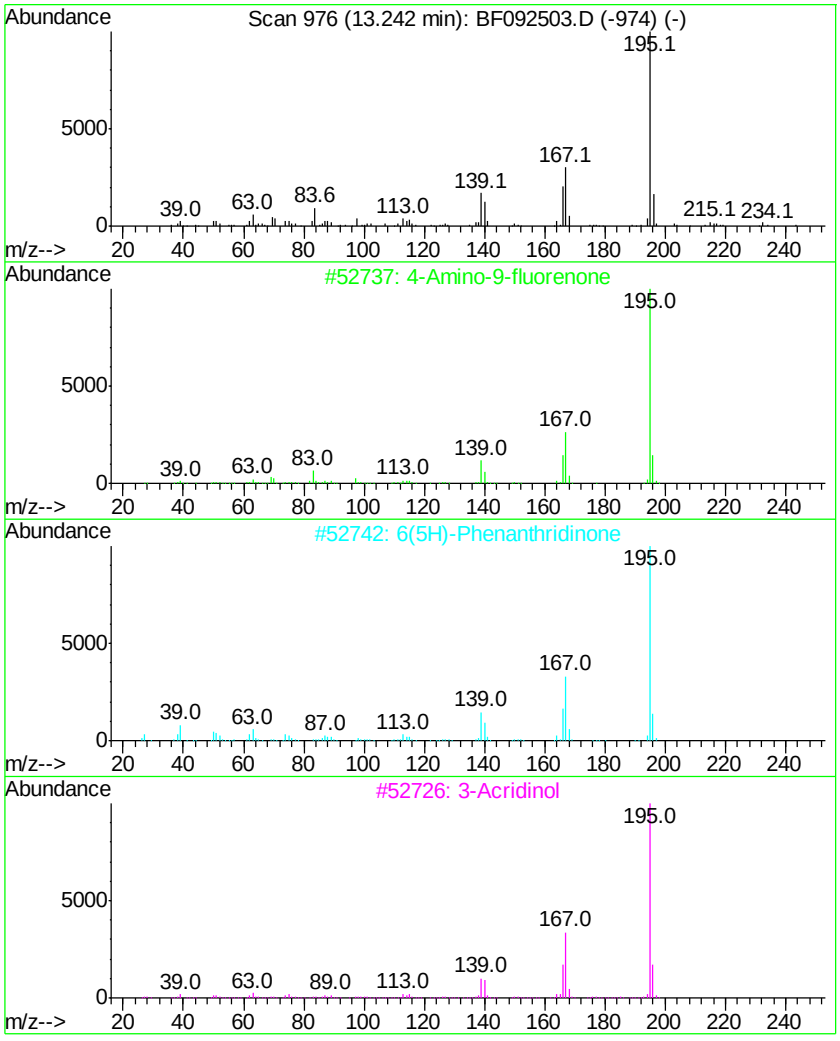
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

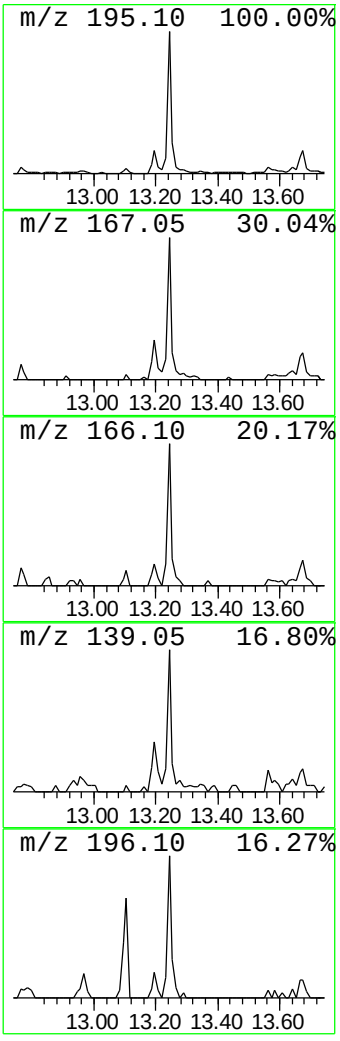
****

Peak Number 8 4-Amino-9-fluorenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	2.03 ng	202839	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	97
2	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	96
3	3-Acridinol	195	C13H9NO	007132-70-9	96
4	9(10H)-Acridinone	195	C13H9NO	000578-95-0	94
5	8-Methyl-4-azafluorenone	195	C13H9NO	064292-03-1	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092503.D
Acq On : 26 Jan 2017 3:27
Operator : SJ/MA
Sample : I1346-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P15-11817

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

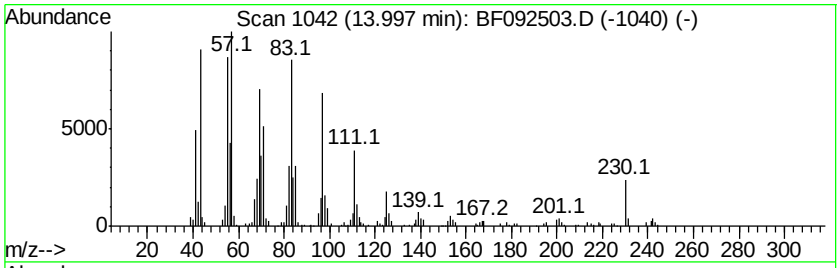
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

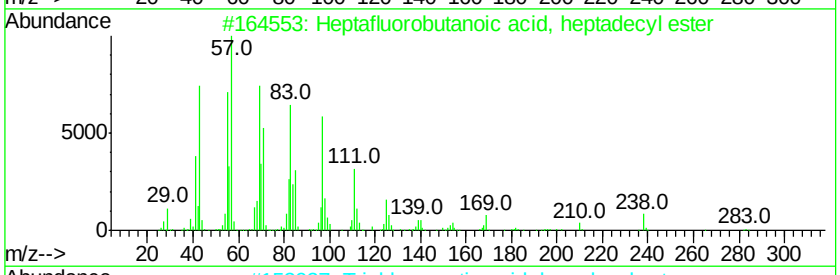
****

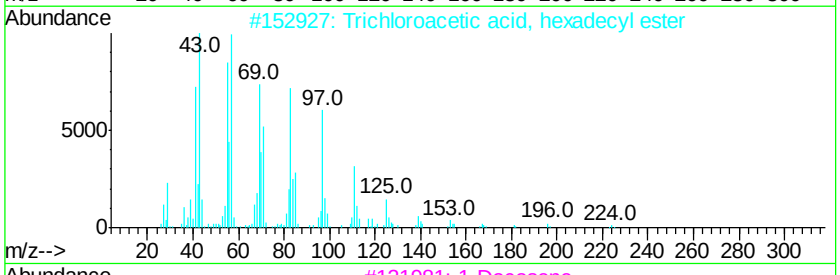
Peak Number 9 Heptafluorobutanoic acid, h... Concentration Rank 5

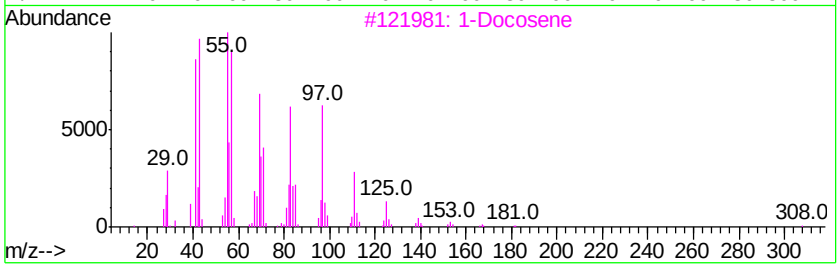
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	3.33 ng	332277	Chrysene-d12	14.15

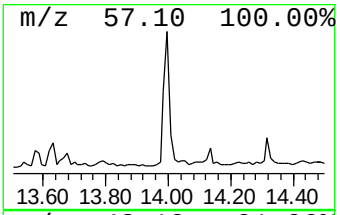
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	93
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	93
3	1-Docosene	308	C22H44	001599-67-3	93
4	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	90
5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	90

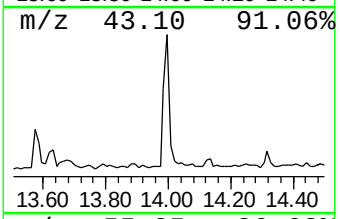


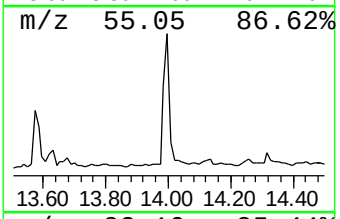


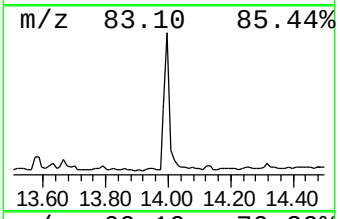


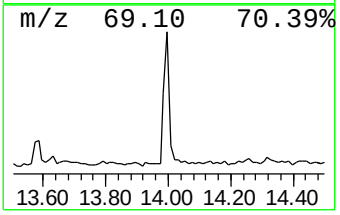












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012517\
Data File : BF092503.D
Acq On : 26 Jan 2017 3:27
Operator : SJ/MA
Sample : I1346-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P15-11817

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...	5.16	46.2	ng	2229380	1	6.97	965499	20.0
unknown6.73	6.73	100.6	ng	4856870	1	6.97	965499	20.0
unknown10.32	10.32	3.3	ng	238928	3	10.03	1444850	20.0
Nordiphenamid	10.66	2.6	ng	186241	3	10.03	1444850	20.0
Tridecane	10.93	2.4	ng	237947	4	11.52	1950110	20.0
4H-Cyclopenta[def...	12.12	3.9	ng	375814	4	11.52	1950110	20.0
4-Amino-9-fluorenone	13.24	2.0	ng	202839	5	14.15	1996000	20.0
Heptafluorobutano...	14.00	3.3	ng	332277	5	14.15	1996000	20.0