LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092505.D
Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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	5.150	265	268	273	rBV	1179115	1764640	39.67%	2.846%
2	5.562	301	304	307	rVB	3589372	3720479	83.64%	6.001%
3	6.213	358	361	364	rBV2	50699	83821	1.88%	0.135%
4	6.419	375	379	383	rBV2	33731	87711	1.97%	0.141%
5	6.499	383	386	390	rVB3	97381	185345	4.17%	0.299%
6	6.590	390	394	396	rBV	3643501	4448369	100.00%	7.175%
7	6.727	403	406	409	rVB	3364876	3784048	85.07%	6.104%
8	6.796	409	412	416	rVB4	60422	150931	3.39%	0.243%
9	6.933	416	424	425	rBV4	76160	195444	4.39%	0.315%
10	6.967	425	427	429	rVB	1029522	958914	21.56%	1.547%
11	7.082	434	437	438	rBV3	64380	109300	2.46%	0.176%
12	7.127	438	441	442	rBV	2663223	3161534	71.07%	5.100%
13	7.242	448	451	453	rVB2	157576	222080	4.99%	0.358%
14	7.287	453	455	456	rBV2	76108	82682	1.86%	0.133%
15	7.367	459	462	463	rBV	233507	228076	5.13%	0.368%
16	7.390	463	464	467	rVB3	79924	133193	2.99%	0.215%
17	7.527	471	476	479	rBV	2163379	2794890	62.83%	4.508%
18	7.619	481	484	486	rVB3	211153	316702	7.12%	0.511%
19	7.665	486	488	490	rBV2	72509	119371	2.68%	0.193%
20	7.733	490	494	495	rBV4	41808	118554	2.67%	0.191%
21	7.779	496	498	500	rVB	306493	251277	5.65%	0.405%
22	7.859	502	505	507	rBV4	95296	204556	4.60%	0.330%
23	7.893	507	508	510	rVB2	366998	372341	8.37%	0.601%
24	8.019	516	519	522	rBV3	111936	194435	4.37%	0.314%
25	8.076	522	524	527	rBV2	138103	220151	4.95%	0.355%
26	8.133	527	529	531	rBV2	140104	275277	6.19%	0.444%
27	8.213	533	536	537	rBV3	89864	173308	3.90%	0.280%
28	8.259	537	540	542	rVV	1499575	1664928	37.43%	2.686%
29	8.316	543	545	547	rVB2	150696	219773	4.94%	0.355%
30	8.350	547	548	552	rVB4	134735	162536	3.65%	0.262%
31	8.465	556	558	559	rVV2	218935	198527	4.46%	0.320%
32	8.556	562	566	567	rBV3	316800	568333	12.78%	0.917%
33	8.613	567	571	572	rBV3	126985	219274	4.93%	0.354%
34	8.648	572	574	575	rVB	126820	140596	3.16%	0.227%

LSC Area Percent Report

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Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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	8.682	575	577	582	rVB2	769546	1402474	31.53%	2.262%
36	8.762	582	584	586	rVB3	112635	169563	3.81%	0.274%
37	8.808	586	588	591	rBV3	256603	488791	10.99%	0.788%
38	8.956	599	601	604	rVB4	144483	254458	5.72%	0.410%
39	9.013	604	606	607	rBV	105077	132317	2.97%	0.213%
40	9.048	607	609	610	rBV2	104978	177937	4.00%	0.287%
41	9.150	616	618	619	rBV2	111949	152924	3.44%	0.247%
42	9.173	619	620	622	rVB	289887	272733	6.13%	0.440%
43	9.265	626	628	629	rVV	57244	110431	2.48%	0.178%
44	9.288	629	630	632	rVV	856929	771463	17.34%	1.244%
45	9.345	632	635	637	rVB	4123578	4043816	90.91%	6.523%
46	9.425	640	642	645	rBV4	174907	343737	7.73%	0.554%
47	9.539	651	652	654	rVB2	97612	104854	2.36%	0.169%
48	9.619	654	659	660	rBV4	82371	172809	3.88%	0.279%
49	9.676	660	664	666	rBV3	108439	265403	5.97%	0.428%
50	9.745	668	670	672	rVV3	618959	895606	20.13%	1.445%
51	9.893	681	683	685	rVV3	63214	83970	1.89%	0.135%
52	9.939	685	687	688	rVV	137512	137207	3.08%	0.221%
53	10.019	691	694	696	rBV	1036550	1504007	33.81%	2.426%
54	10.053	696	697	699	rVV	482126	489157	11.00%	0.789%
55	10.133	702	704	706	rVB	67849	84348	1.90%	0.136%
56	10.179	706	708	710	rBV3	55049	98224	2.21%	0.158%
57	10.225	710	712	714	rVV	438519	423875	9.53%	0.684%
58	10.282	715	717	719	rVB2	83966	104384	2.35%	0.168%
59	10.453	728	732	734	rVV2	81990	140080	3.15%	0.226%
60	10.568	740	742	745	rVB	426385	413985	9.31%	0.668%
61	10.682	749	752	753	rVV2	206436	269118	6.05%	0.434%
62	10.728	755	756	758	rVB	118016	99231	2.23%	0.160%
63	10.808	760	763	765	rBV	1735451	2466954	55.46%	3.979%
64	10.842	765	766	769	rVB3	56170	81110	1.82%	0.131%
65	10.945	772	775	778	rVB	353226	476396	10.71%	0.768%
66	11.116	787	790	792	rBV3	58032	104462	2.35%	0.169%
67	11.379	809	813	814	rBV3	150200	190704	4.29%	0.308%
68	11.402	814	815	819	rVB2	149952	205745	4.63%	0.332%
69	11.505	822	824	826	rBV	982926	1892054	42.53%	3.052%
70	11.539	826	827	828	rVV	1103731	771074	17.33%	1.244%
71	11.585	828	831	833	rVB	417695	369454	8.31%	0.596%

LSC Area Percent Report

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Data File : BF092505.D
Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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

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Peak separation: 5

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

72	11.734	842	844	848	rVB	344907	395524	8.89%	0.638%
73	12.008	866	868	869	rBV	106274	104835	2.36%	0.169%
74	12.042	869	871	873	rVV	186691	188775	4.24%	0.305%
75	12.122	876	878	882	rVB2	362619	441628	9.93%	0.712%
76	12.305	892	894	898	rVB2	85144	119846	2.69%	0.193%
77	12.557	914	916	918	rVV	74199	103299	2.32%	0.167%
78	12.602	918	920	922	rVV2	73770	129086	2.90%	0.208%
79	12.728	928	931	933	rBV	1217892	1366101	30.71%	2.204%
80	12.762	933	934	938	rVV4	95083	130721	2.94%	0.211%
81	12.957	946	951	953	rBV2	891564	1525007	34.28%	2.460%
82	13.002	953	955	957	rVB2	74313	102812	2.31%	0.166%
83	13.105	961	964	966	rVB	3330911	4103424	92.25%	6.619%
84	13.174	966	970	973	rVB4	72005	132592	2.98%	0.214%
85	13.277	973	979	981	rBV	229871	343710	7.73%	0.554%
86	13.345	983	985	986	rBV	242430	206641	4.65%	0.333%
87	13.379	986	988	990	rVV	132988	160961	3.62%	0.260%
88	13.791	1020	1024	1026	rBV2	43563	103068	2.32%	0.166%
89	13.894	1030	1033	1034	rBV2	69733	108650	2.44%	0.175%
90	13.997	1040	1042	1047	rVB	197548	282881	6.36%	0.456%
91	14.145	1052	1055	1060	rVV2	1364699	1957530	44.01%	3.158%
92	14.934	1121	1124	1128	rBV6	37221	114539	2.57%	0.185%
93	15.185	1144	1146	1152	rBV	194453	424872	9.55%	0.685%
94	15.300	1152	1156	1158	rVB3	52176	118313	2.66%	0.191%
95	15.494	1171	1173	1176	rVB	116067	147736	3.32%	0.238%
96	15.563	1176	1179	1181	rBV	122167	180530	4.06%	0.291%
97	15.620	1181	1184	1187	rBV	594106	974114	21.90%	1.571%
98	16.123	1225	1228	1230	rBV	47027	93702	2.11%	0.151%
99	17.094	1310	1313	1319	rVB2	58008	126001	2.83%	0.203%
100	17.540	1349	1352	1359	rVB	46749	111678	2.51%	0.180%

Sum of corrected areas: 61994827

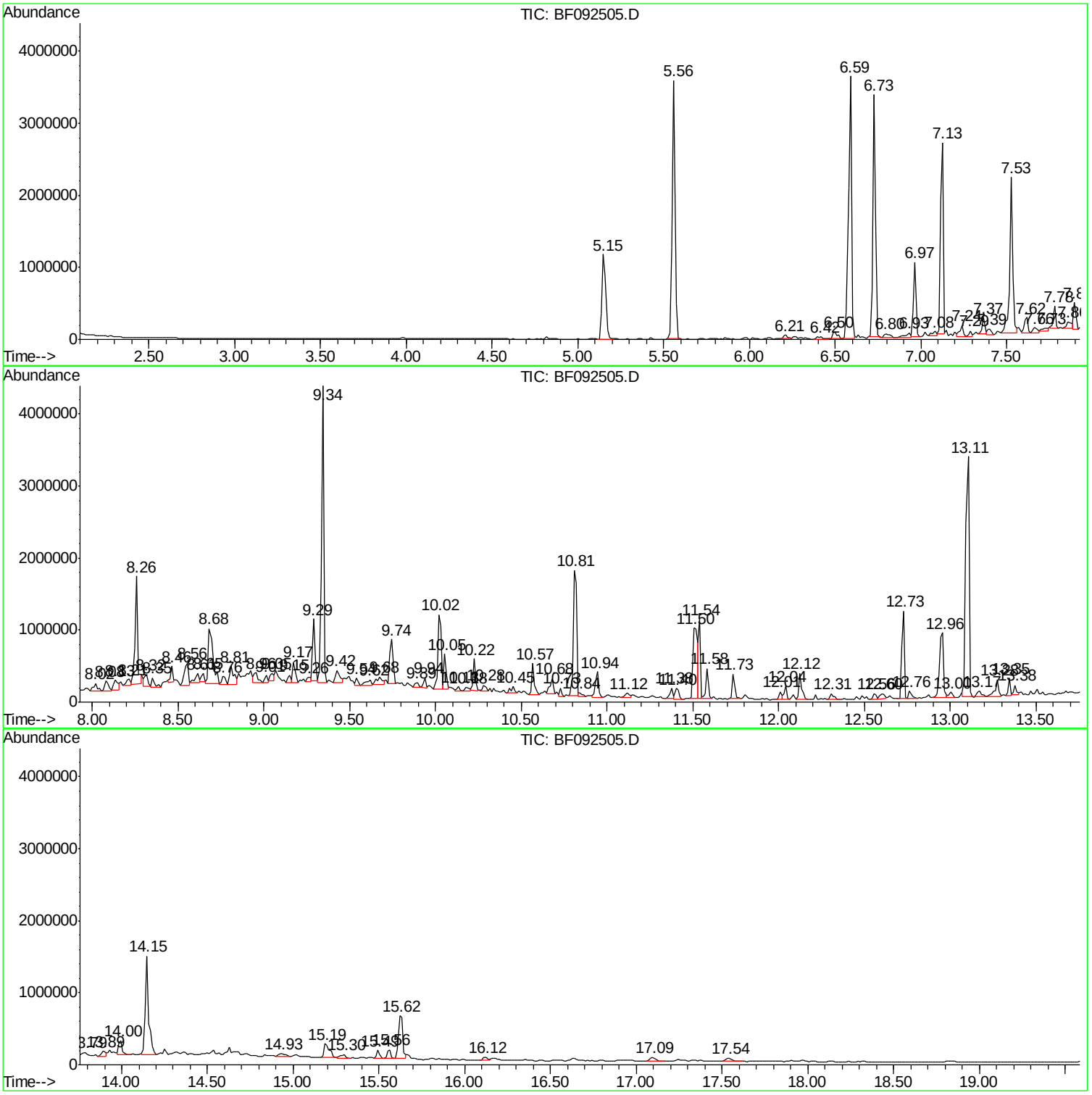
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092505.D
Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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\BF012517\
Data File : BF092505.D
Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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

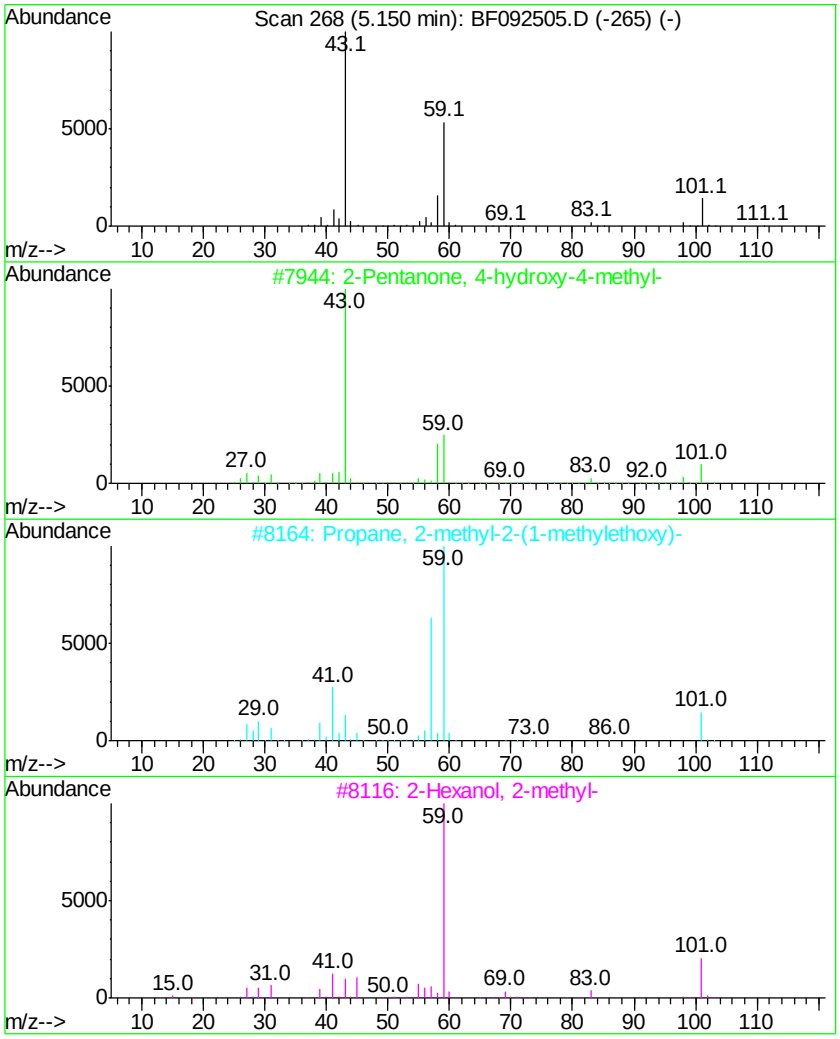
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

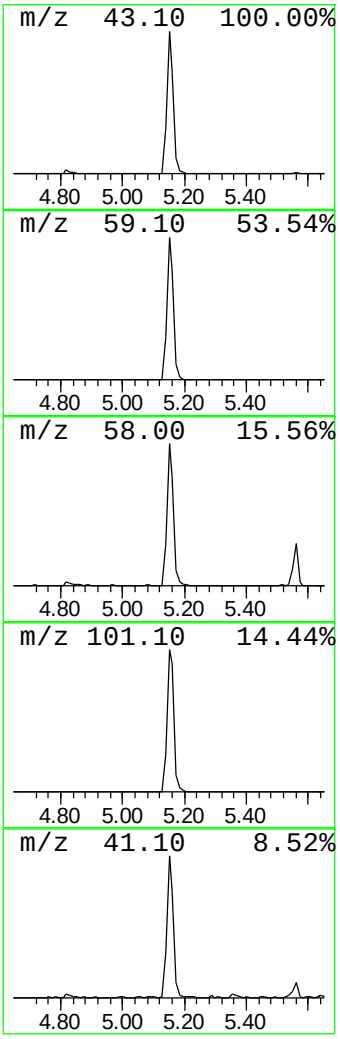
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	36.81 ng	1764640	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	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092505.D
Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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

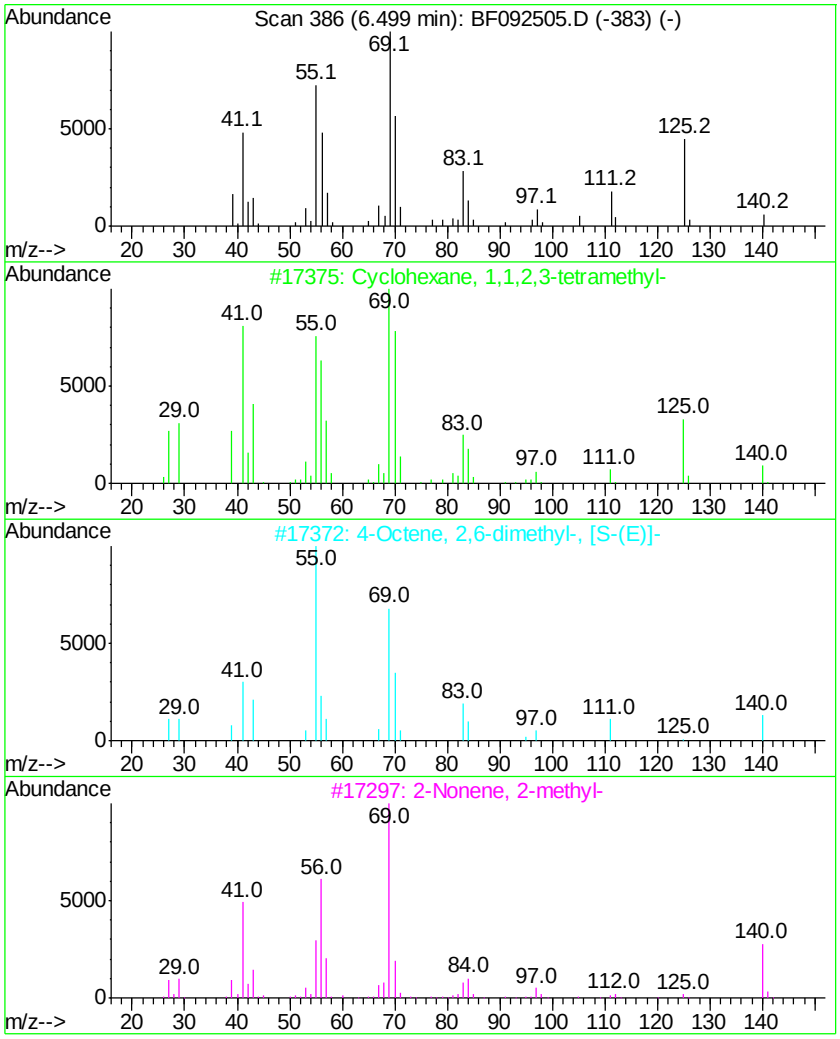
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

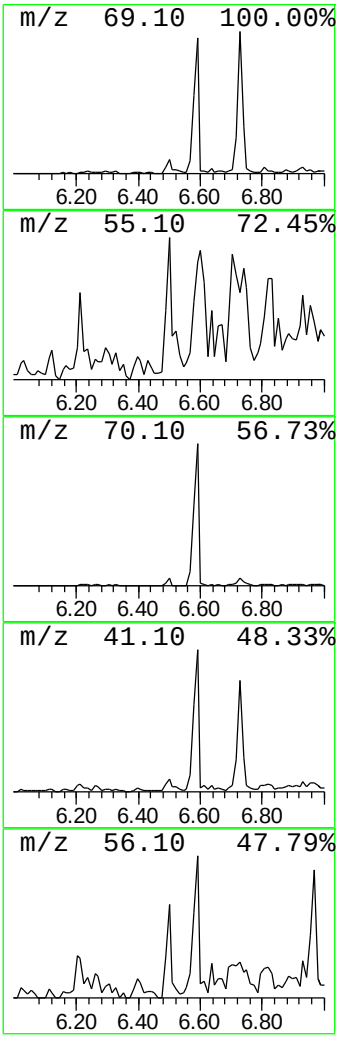
****

Peak Number 2 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	3.87 ng	185345	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	93
2	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	64
3	2-Nonene, 2-methyl-	140	C10H20	002129-95-5	47
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43
5	3-Ethyl-4-octene	140	C10H20	019781-32-9	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092505.D
Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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

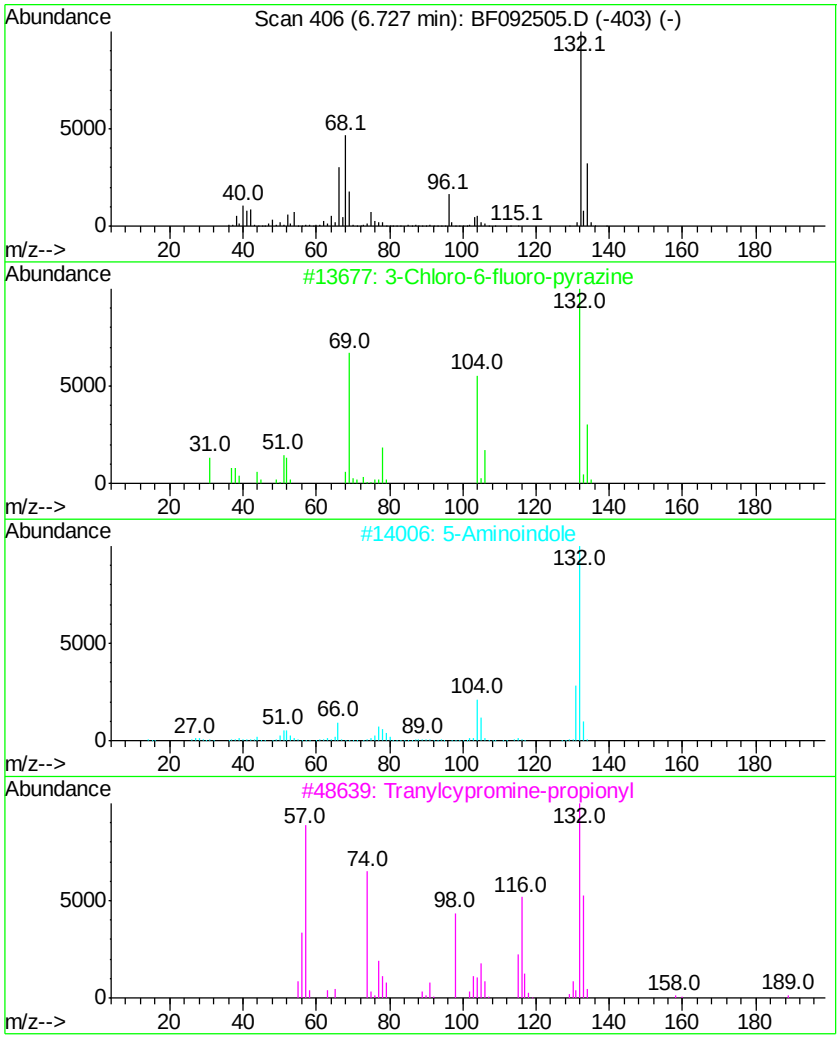
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

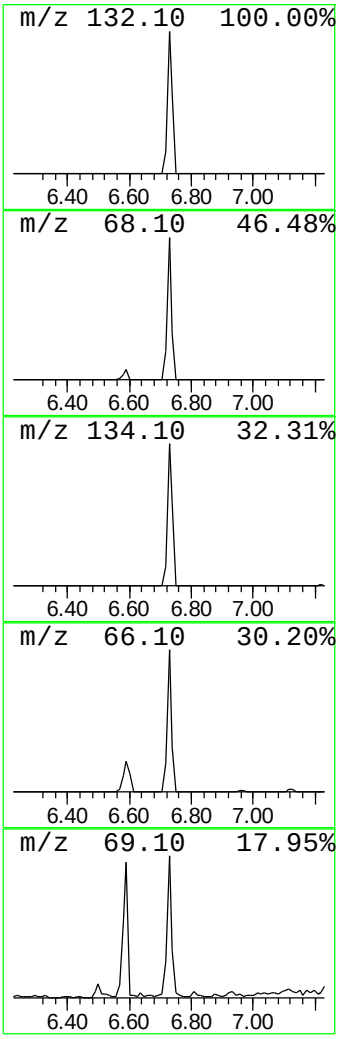
****

Peak Number 3 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	78.92 ng	3784050	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	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
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Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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

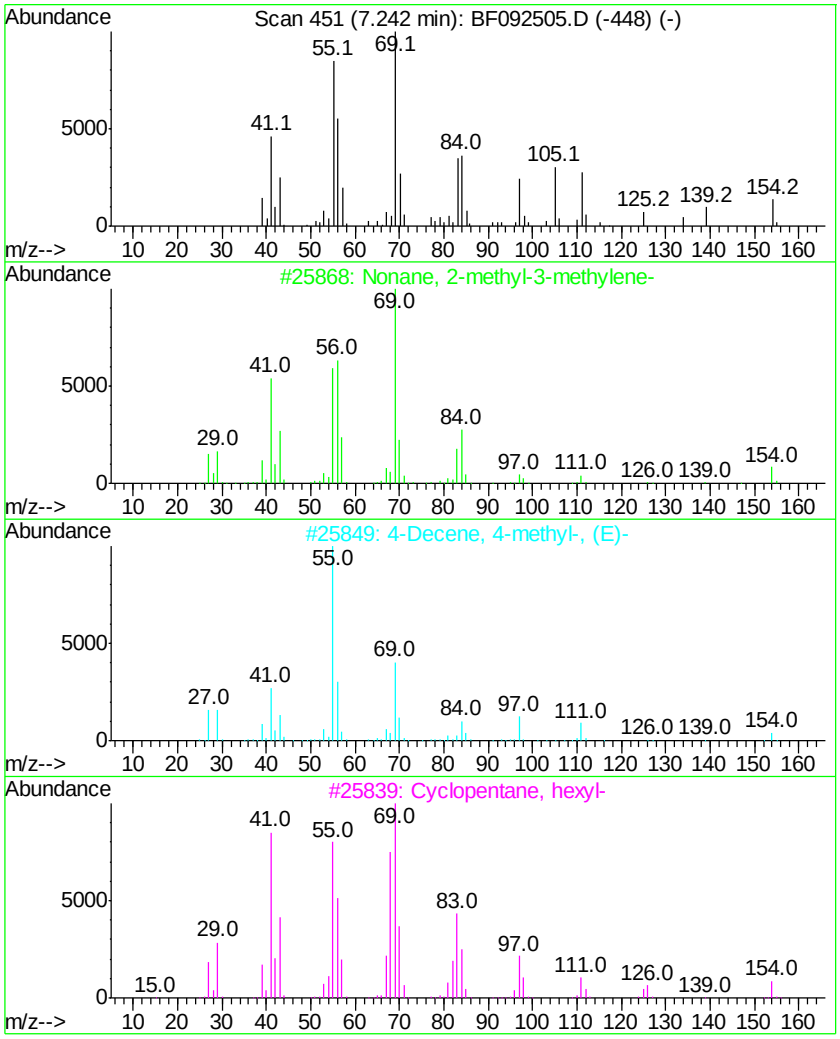
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

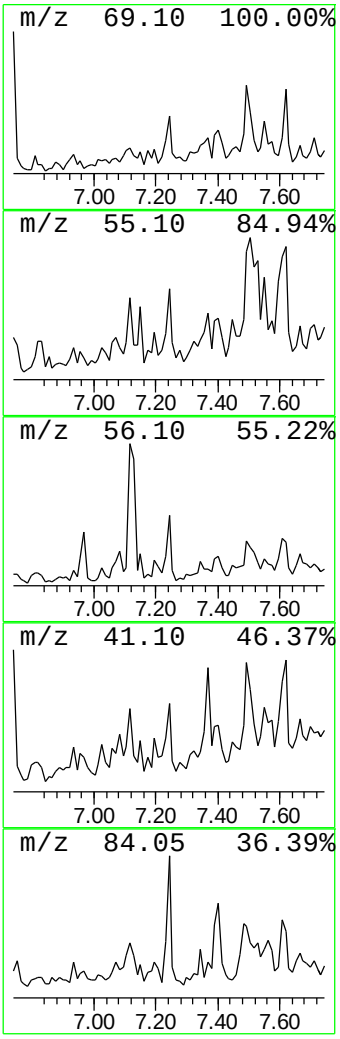
****

Peak Number 5 Nonane, 2-methyl-3-methylene- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.24	4.63 ng	222080	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	62
2	4-Decene, 4-methyl-, (E)-	154	C11H22	060366-66-7	58
3	Cyclopentane, hexyl-	154	C11H22	004457-00-5	53
4	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	50
5	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092505.D
Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P14-11917

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

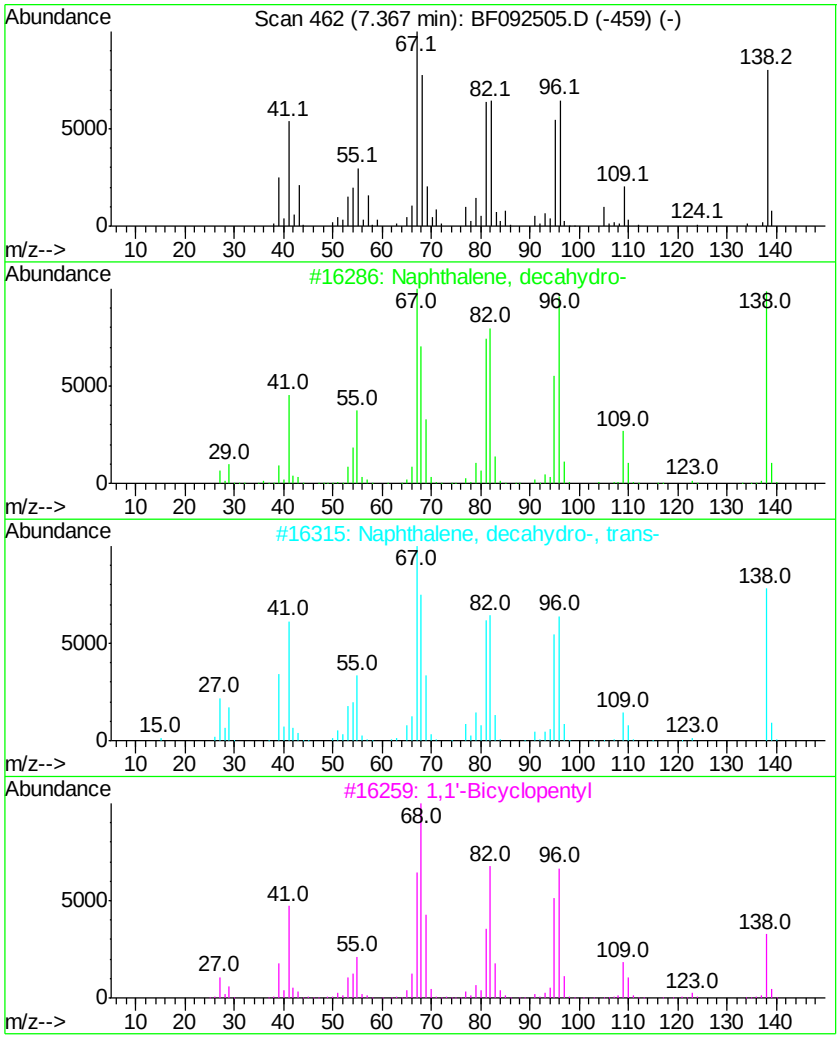
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

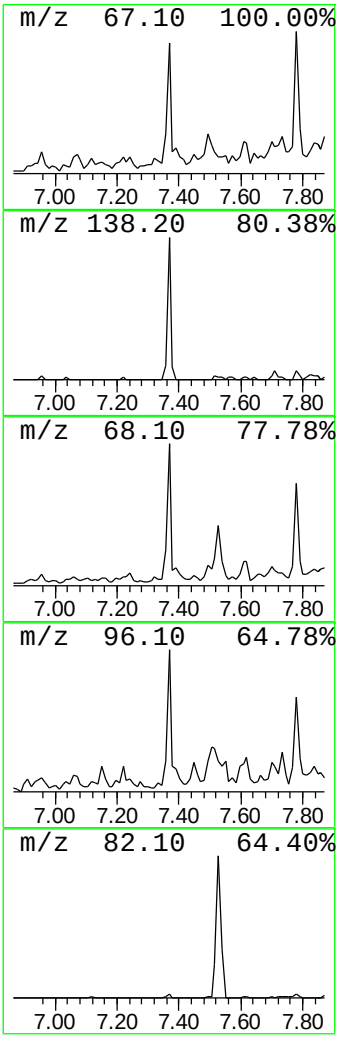
****

Peak Number 6 Naphthalene, decahydro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	4.76 ng	228076	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	94
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
3	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	91
4	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76
5	Spiro[4.5]decane	138	C10H18	000176-63-6	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092505.D
Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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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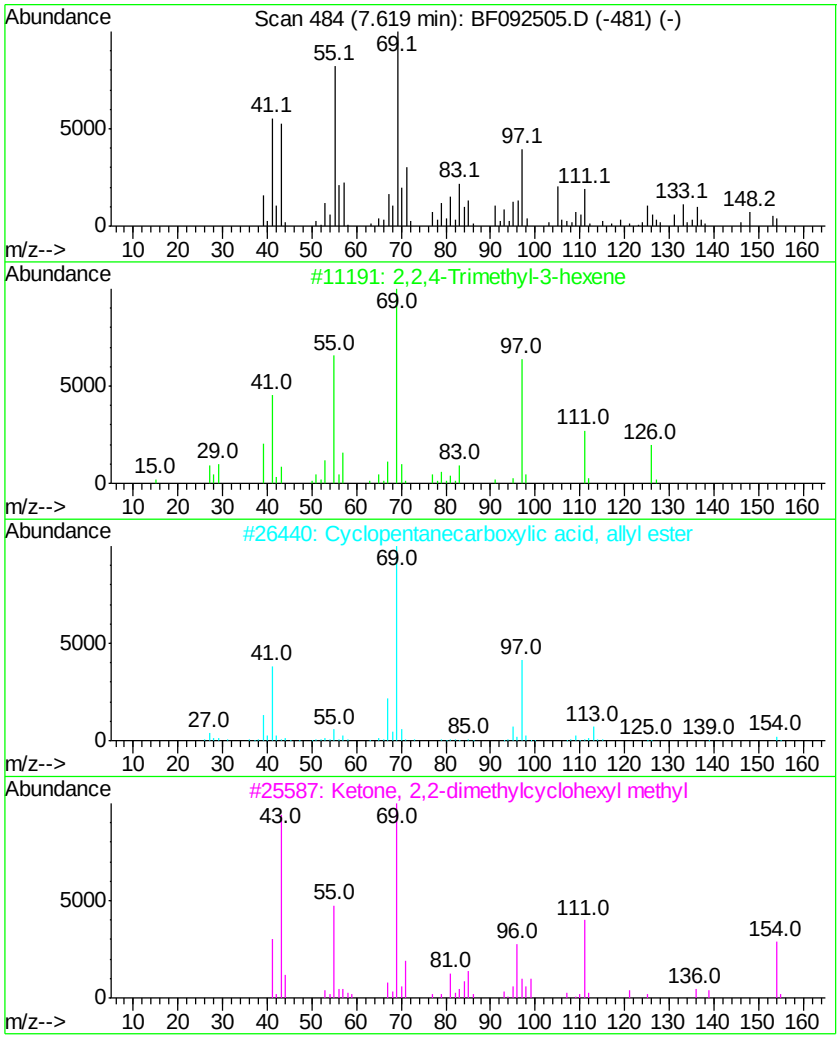
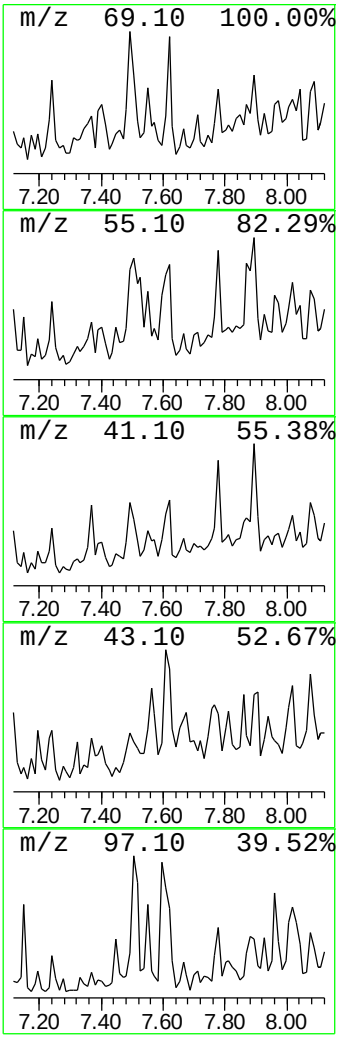
Peak Number 7 unknown7.62 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	3.80 ng	316702	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	49
2	Cyclopentanecarboxylic acid, all...	154	C9H14O2	178905-33-4	43
3	Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	43
4	Cyclooctane, cyclohexyl-	194	C14H26	092369-78-3	38
5	2-Propanamine, N,N'-methanetetra...	126	C7H14N2	000693-13-0	35





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Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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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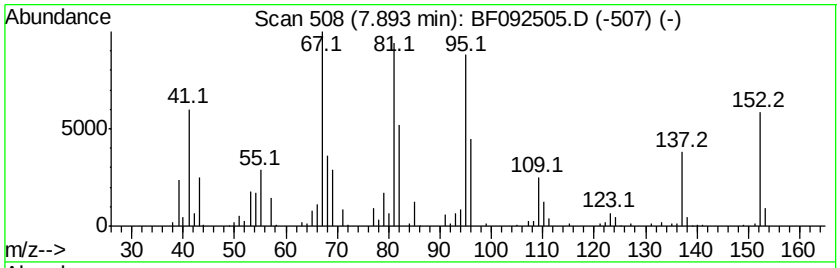
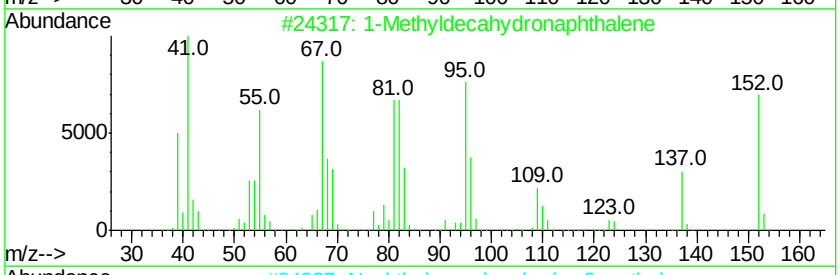
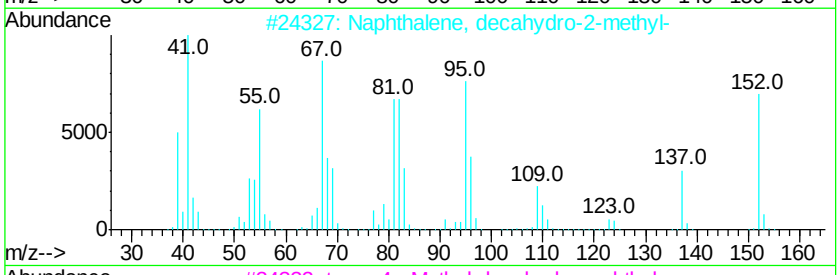
Peak Number 8 1-Methyldecahydronaphthalene Concentration Rank 13

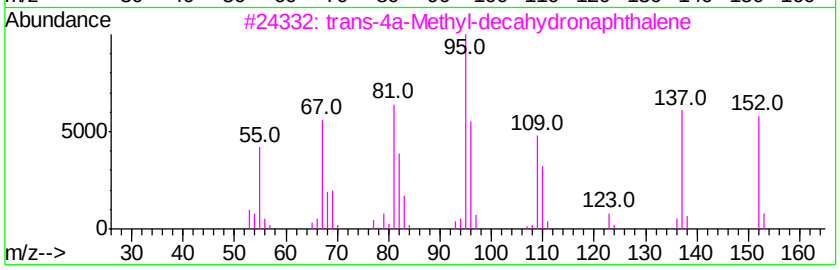
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	4.47 ng	372341	Naphthalene-d8	8.26

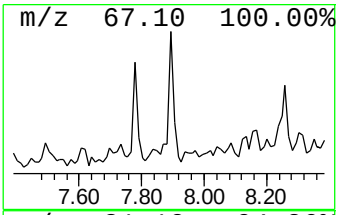
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	93
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
3	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	89
4	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	81
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	80

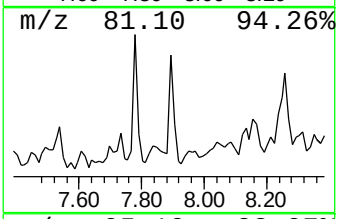


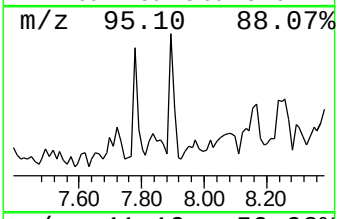


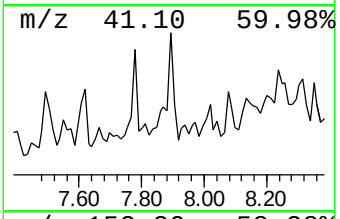


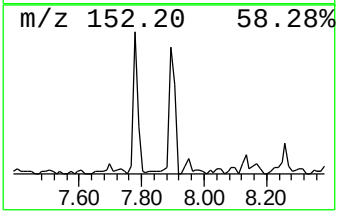












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Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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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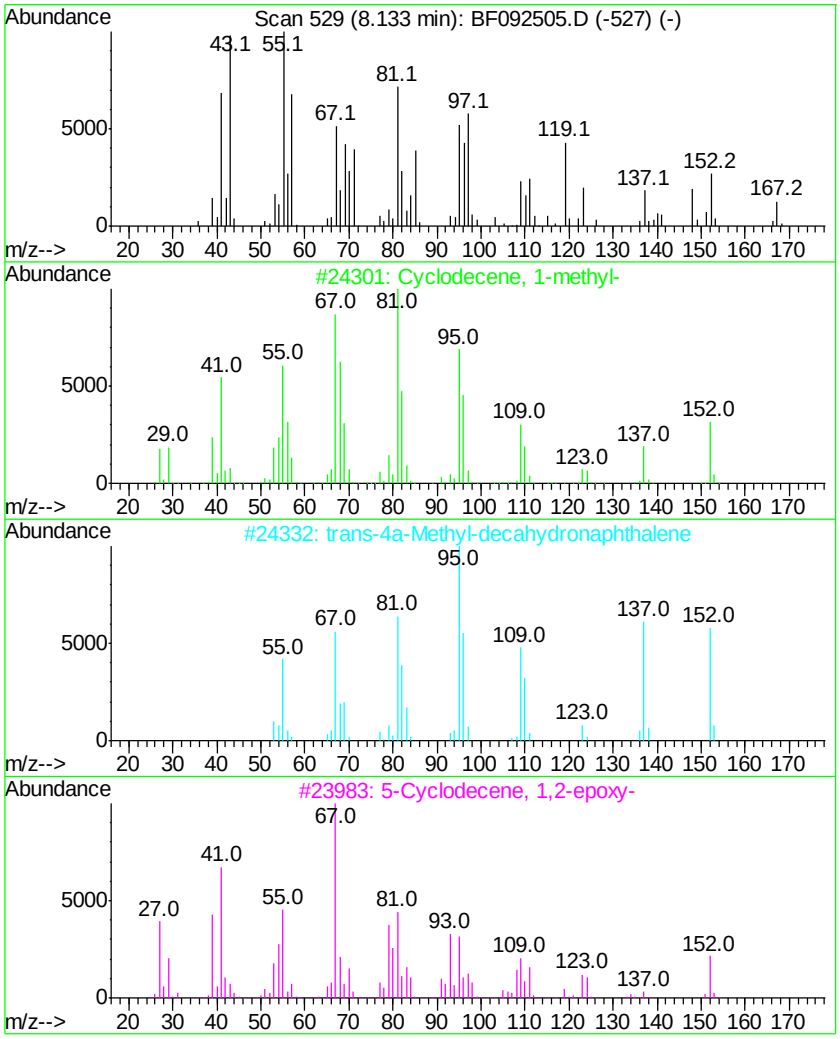
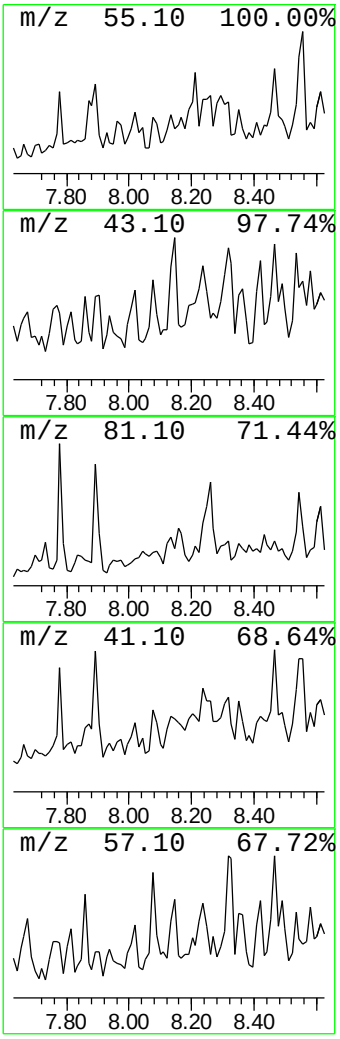
Peak Number 9 unknown8.13 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	3.31 ng	275277	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	49
2	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	35
3	5-Cyclodecene, 1,2-epoxy-	152	C10H16O	1000163-73-0	30
4	Spiro[3.5]nonan-1-one, 5-methyl-...	152	C10H16O	065147-56-0	30
5	Limonene-1,2-epoxide(fr.2)	152	C10H16O	1000292-83-8	30





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Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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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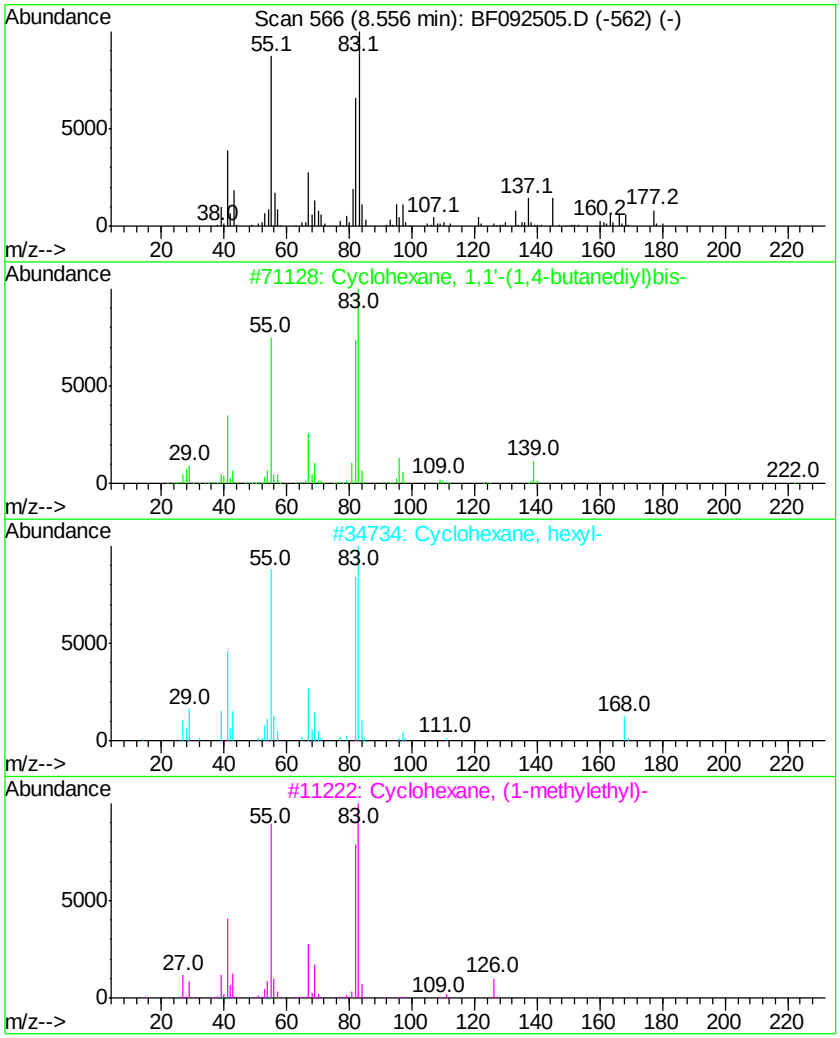
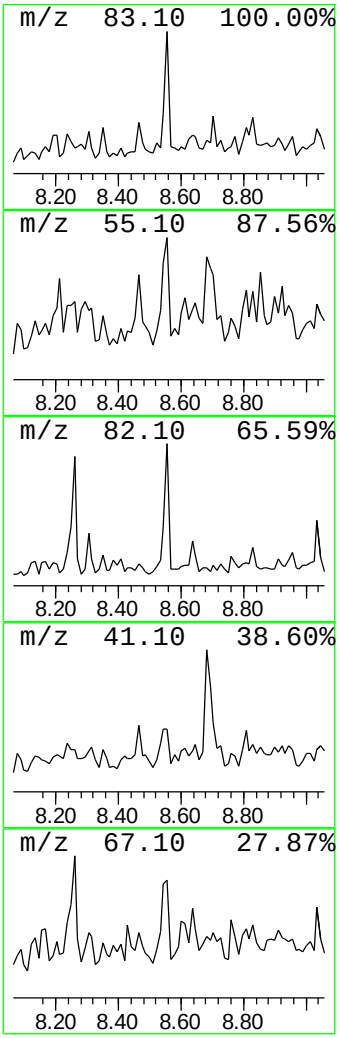
Peak Number 10 Cyclohexane, 1,1'-(1,4-buta... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	6.83 ng	568333	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	80
2	Cyclohexane, hexyl-	168	C12H24	004292-75-5	72
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	59





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Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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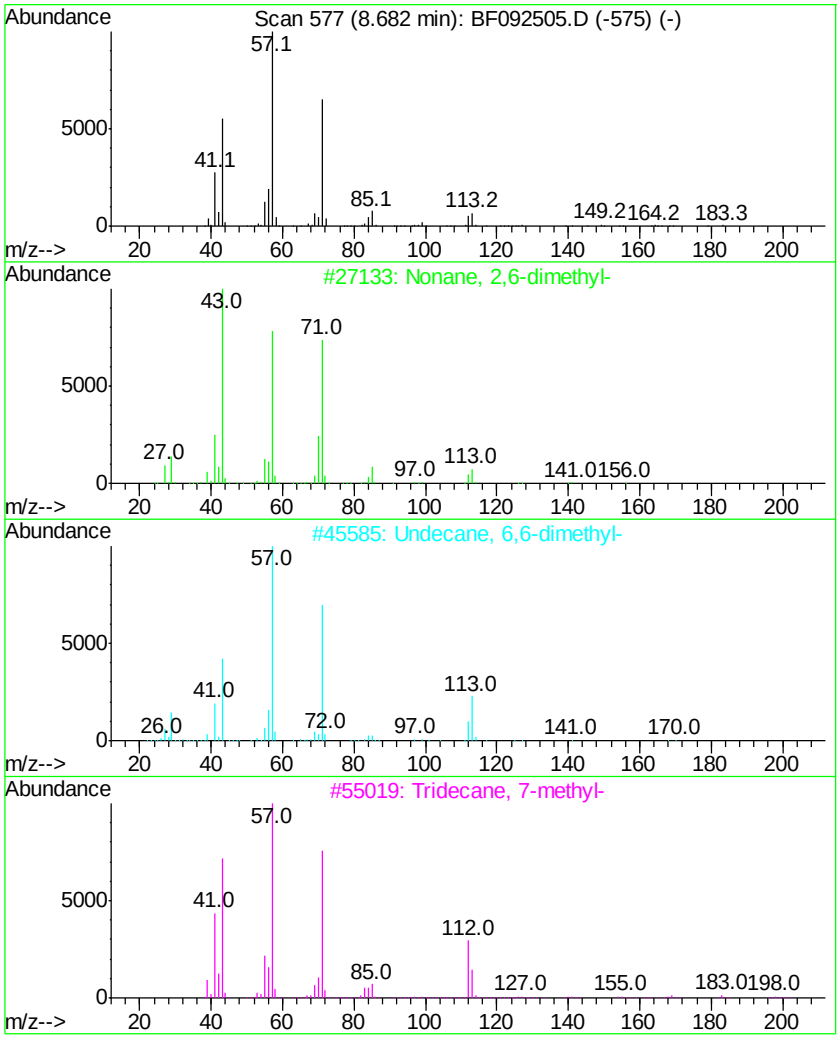
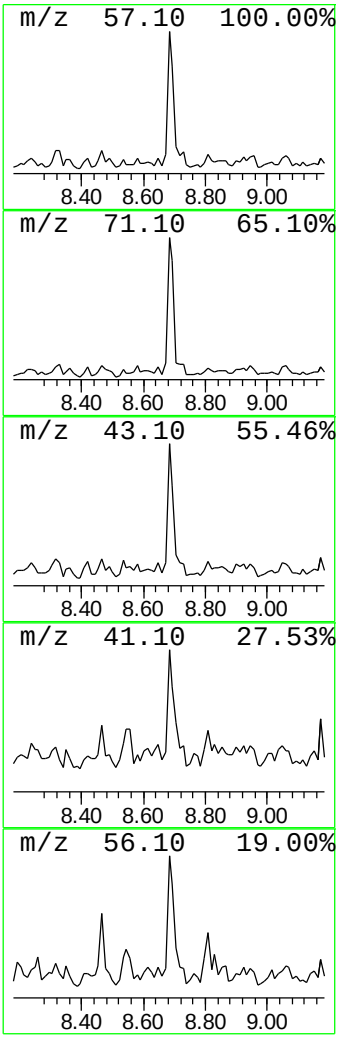
Peak Number 11 Nonane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	16.85 ng	1402470	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	83
2	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	78
3	Tridecane, 7-methyl-	198	C14H30	026730-14-3	78
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	78
5	Decane, 2-methyl-	156	C11H24	006975-98-0	72





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Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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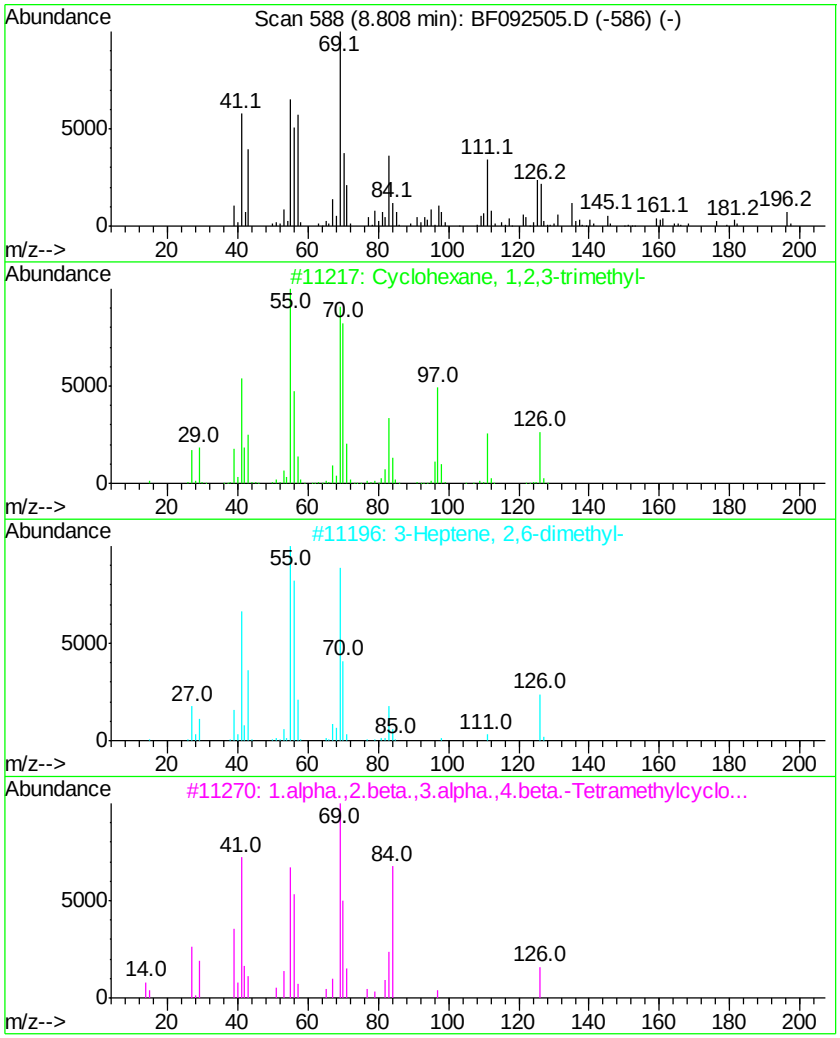
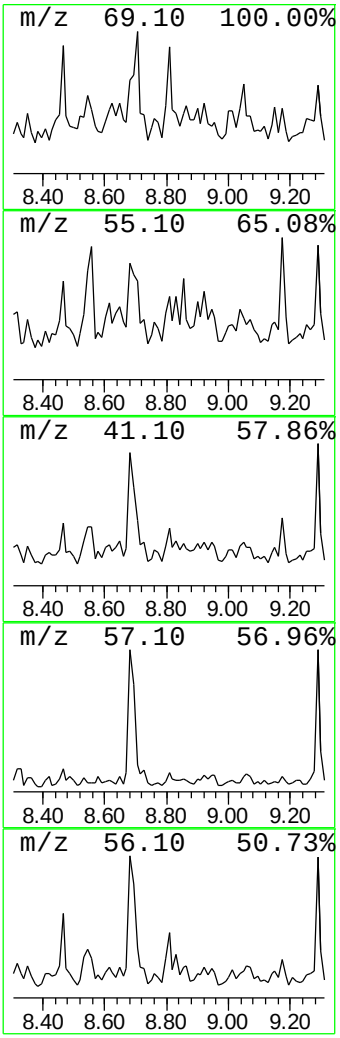
Peak Number 12 Cyclohexane, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	5.87 ng	488791	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	72
2	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	58
3	1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	58
4	6-Dodecene, (E)-	168	C12H24	007206-17-9	53
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	52





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Misc :
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Instrument : BNA_F
ClientSampleId : P14-11917

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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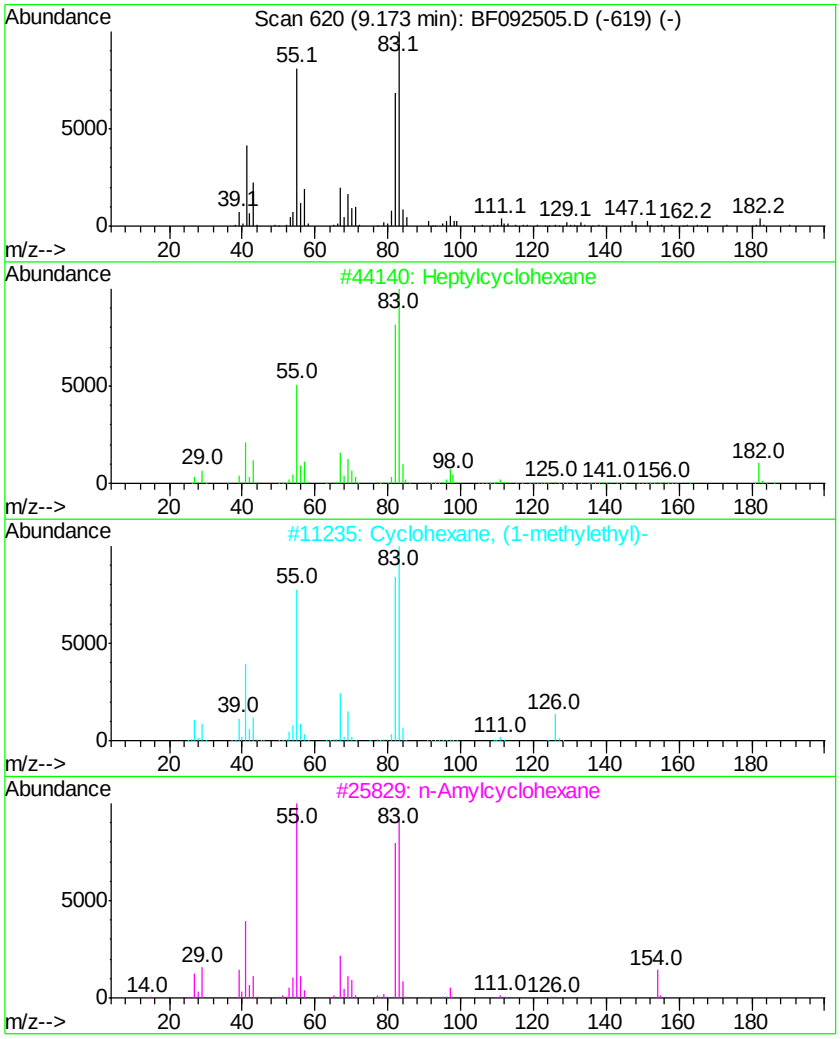
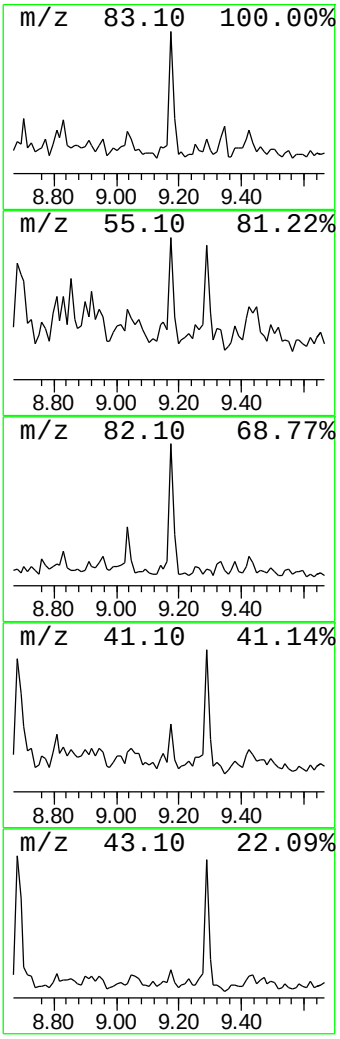
Peak Number 13 Heptylcyclohexane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	3.63 ng	272733	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	90
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
3	n-Amylcyclohexane	154	C11H22	029949-27-7	80
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	80





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Sample : I1346-04
Misc :
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Instrument : BNA_F
ClientSampleId : P14-11917

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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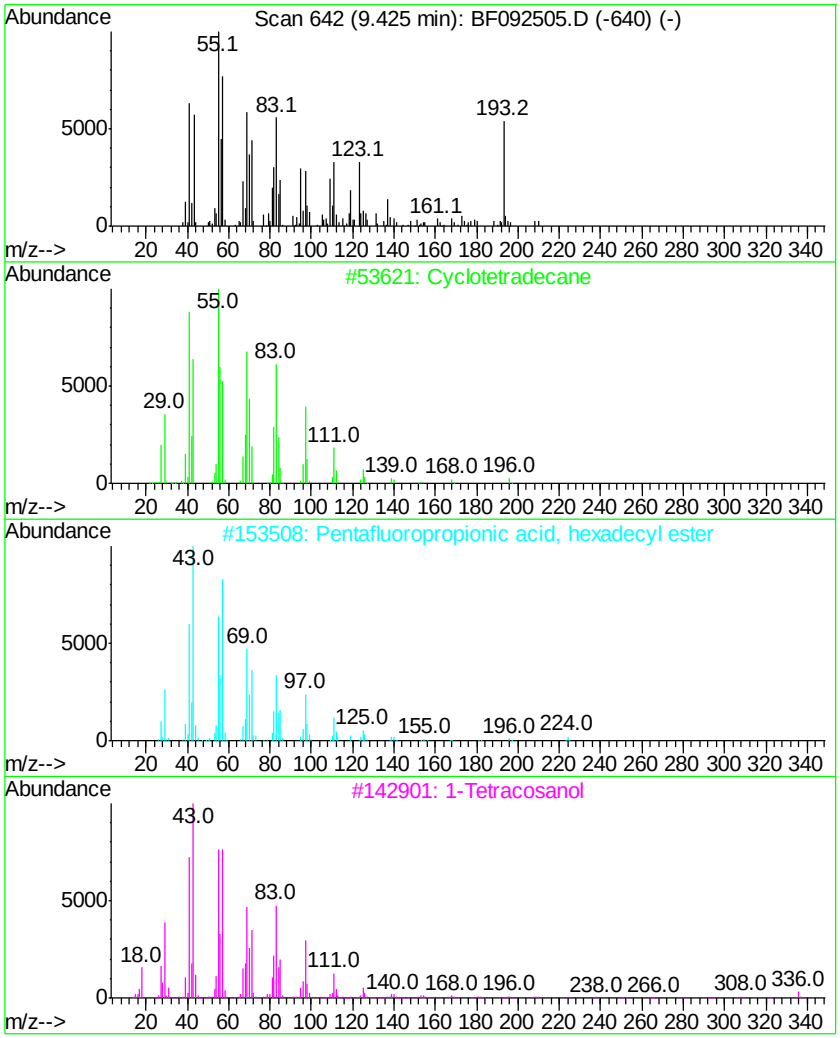
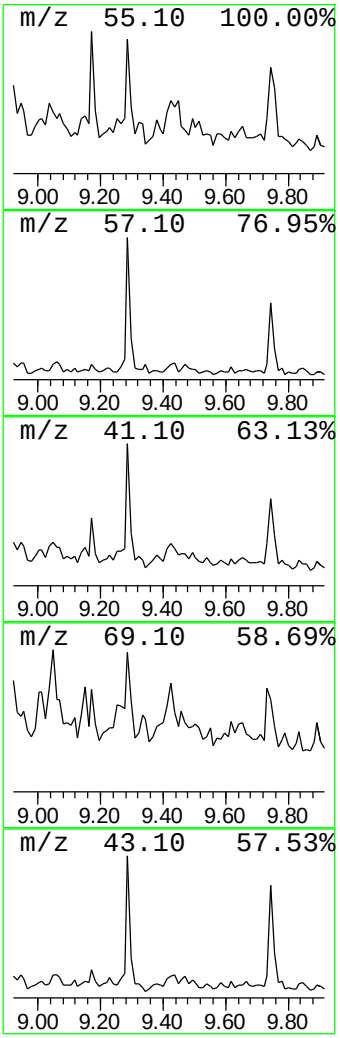
Peak Number 15 Cyclotetradecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	4.57 ng	343737	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	56
2	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	53
3	1-Tetracosanol	354	C24H50O	000506-51-4	53
4	Pentafluoropropionic acid, octad...	416	C21H37F5O2	1000280-07-7	53
5	1-Hexacosanol	382	C26H54O	000506-52-5	46





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

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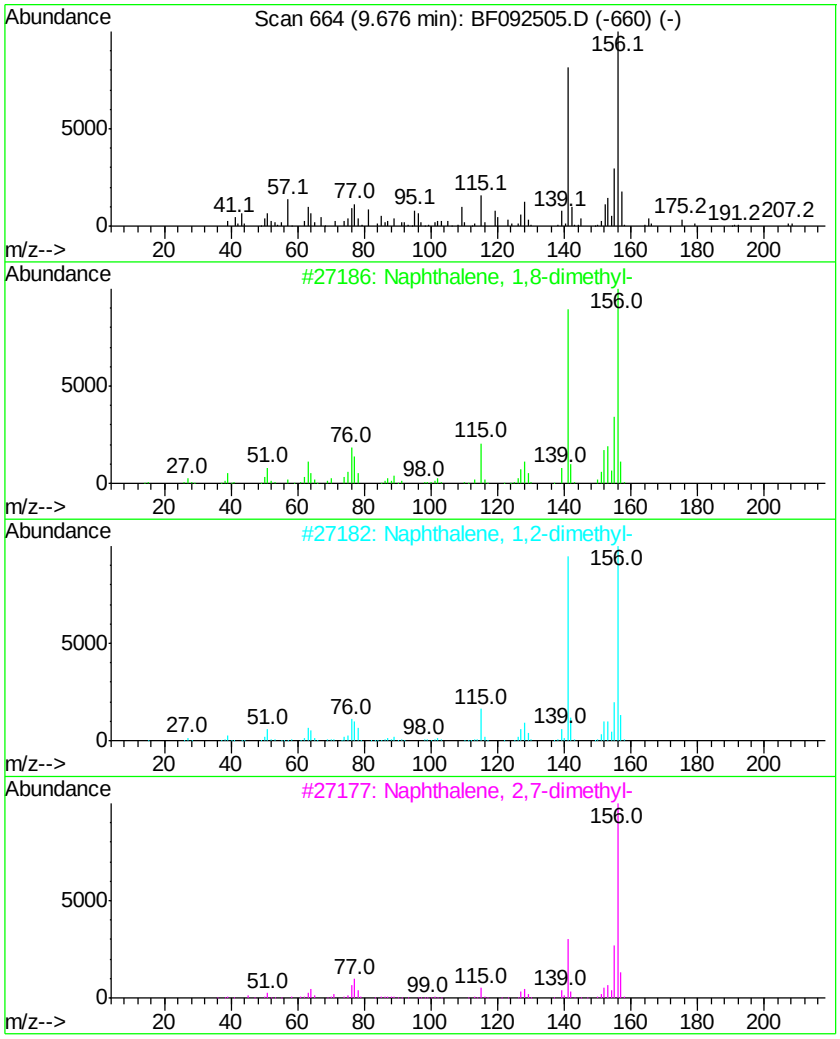
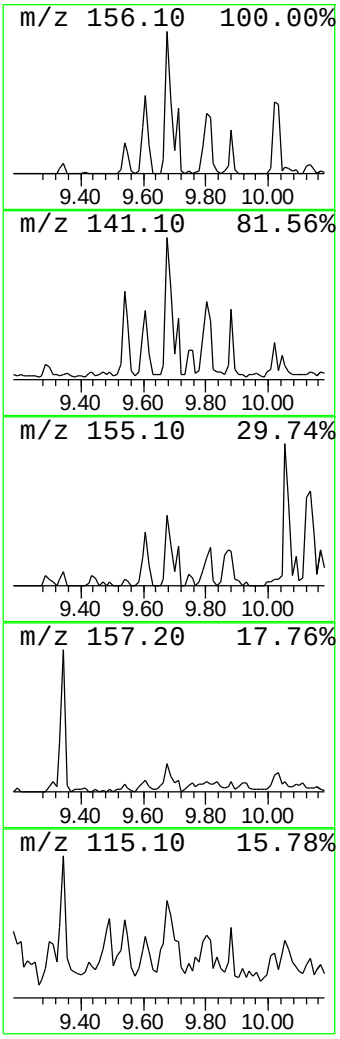
Peak Number 16 Naphthalene, 1,8-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	3.53 ng	265403	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





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TIC Library : C:\DATABASE\NIST02.L
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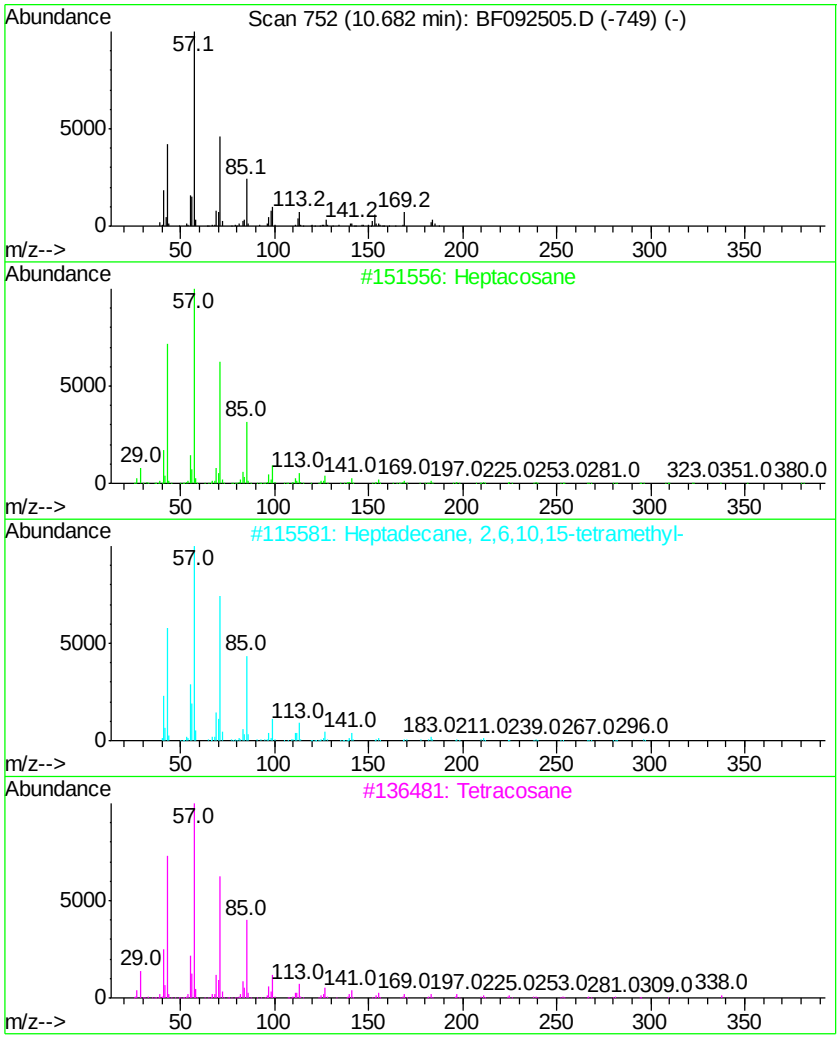
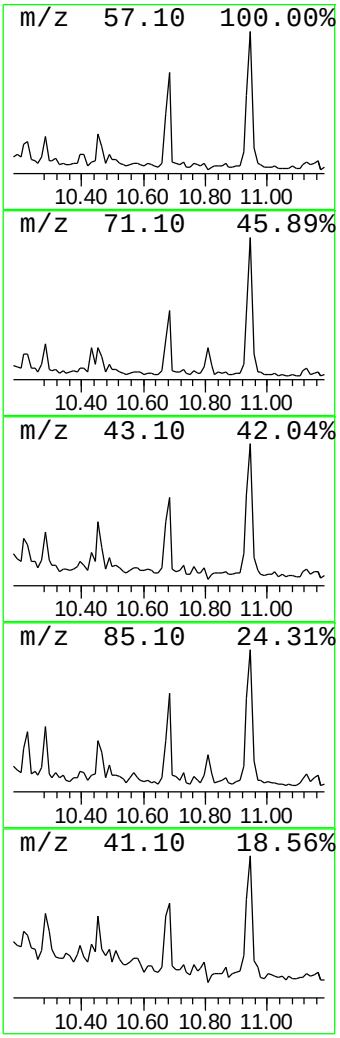
Peak Number 17 Heptacosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	3.58 ng	269118	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	80
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	74
3	Tetracosane	338	C24H50	000646-31-1	64
4	Octacosane	394	C28H58	000630-02-4	64
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	62





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Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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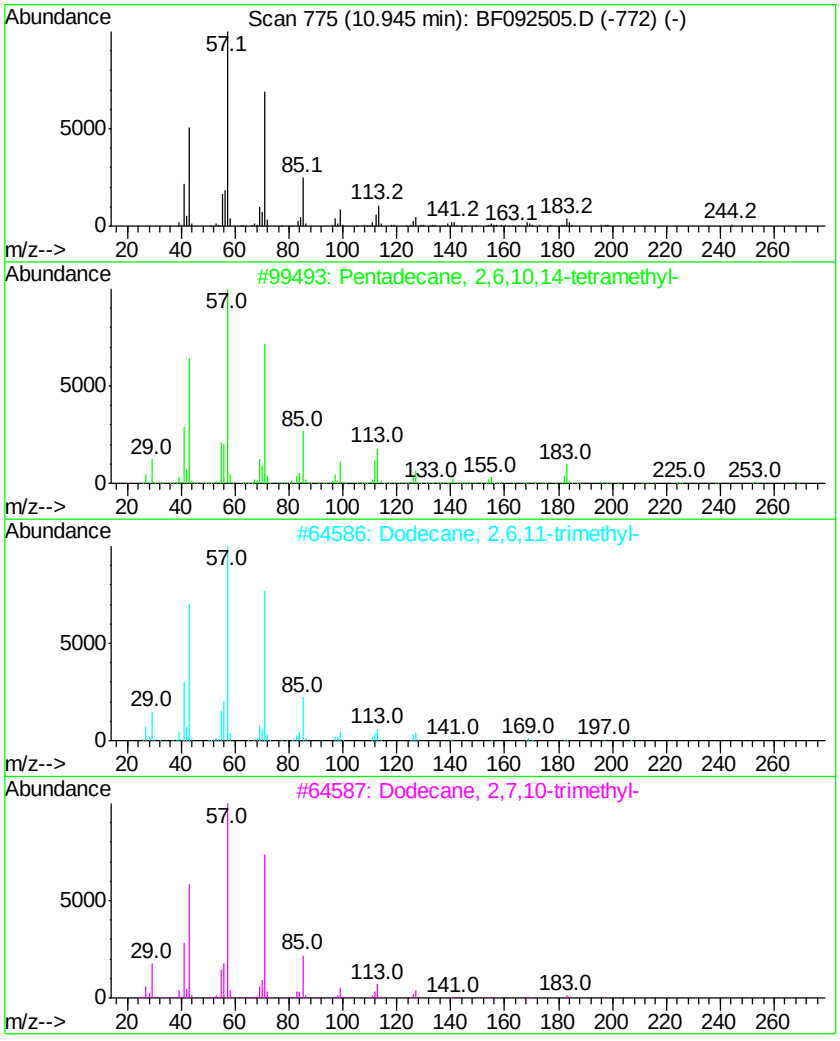
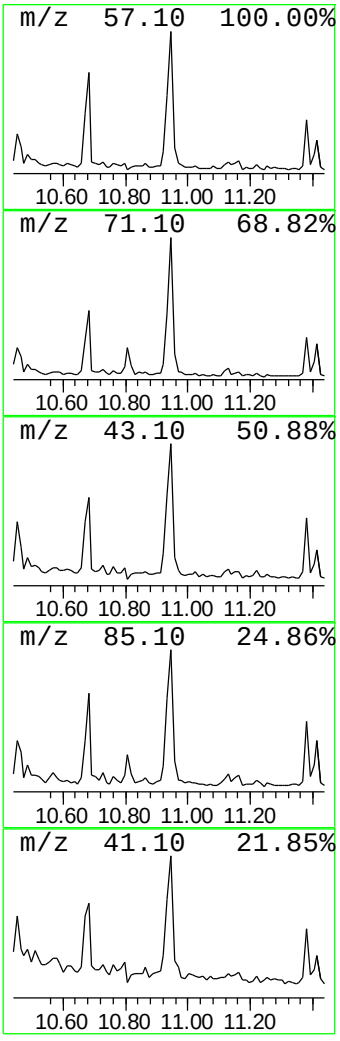
Peak Number 18 Pentadecane, 2,6,10,14-tetr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	5.04 ng	476396	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	81
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78





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Data File : BF092505.D
Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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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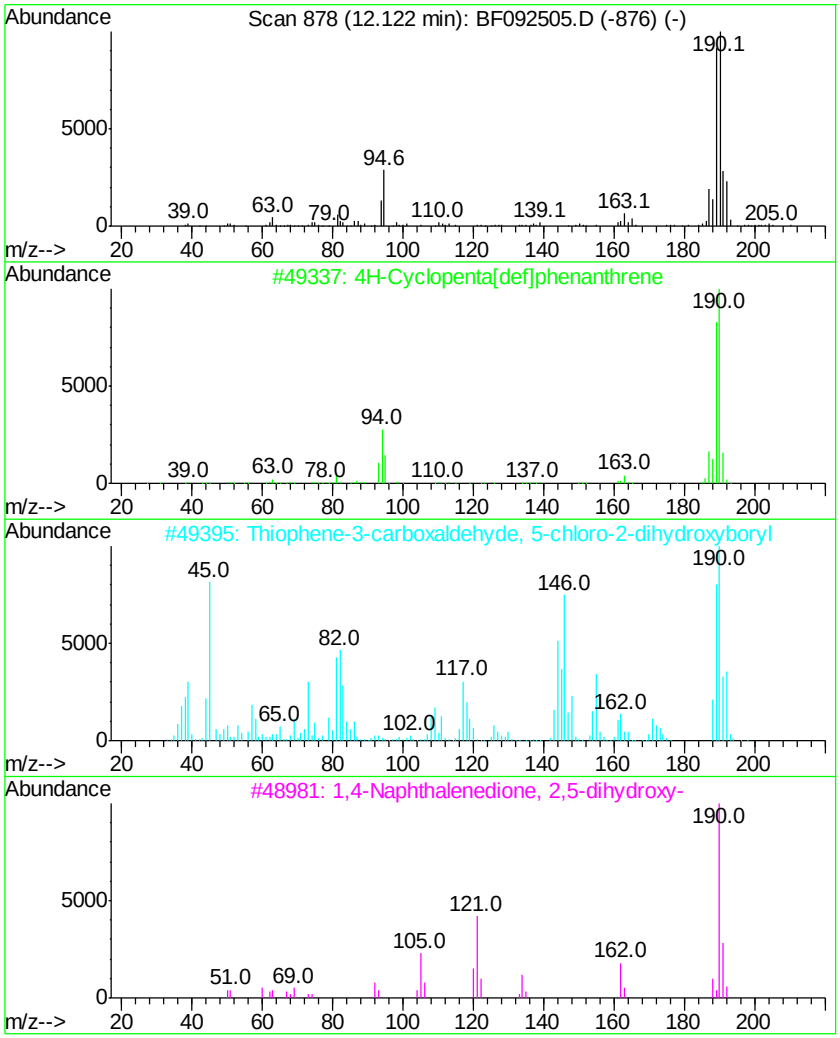
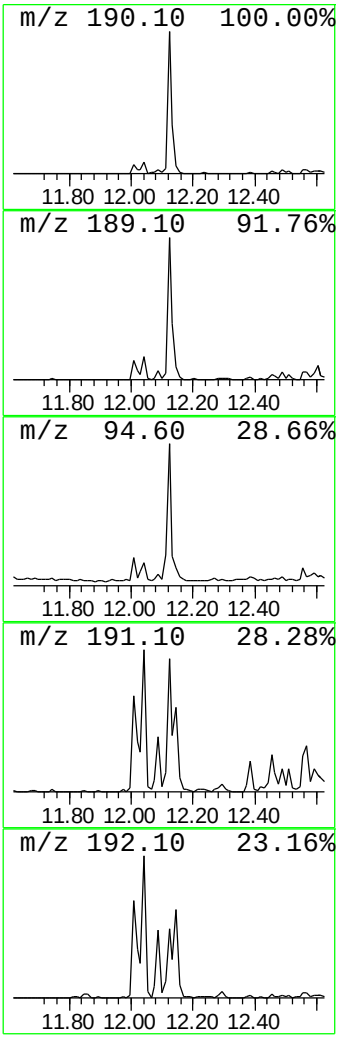
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	4.67 ng	441628	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	38
3	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	35
4	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18
5	Hydrazinecarboxaldehyde, 2-[3-(m...	190	C4H6N4OS2	038362-25-3	14





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
Data File : BF092505.D
Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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

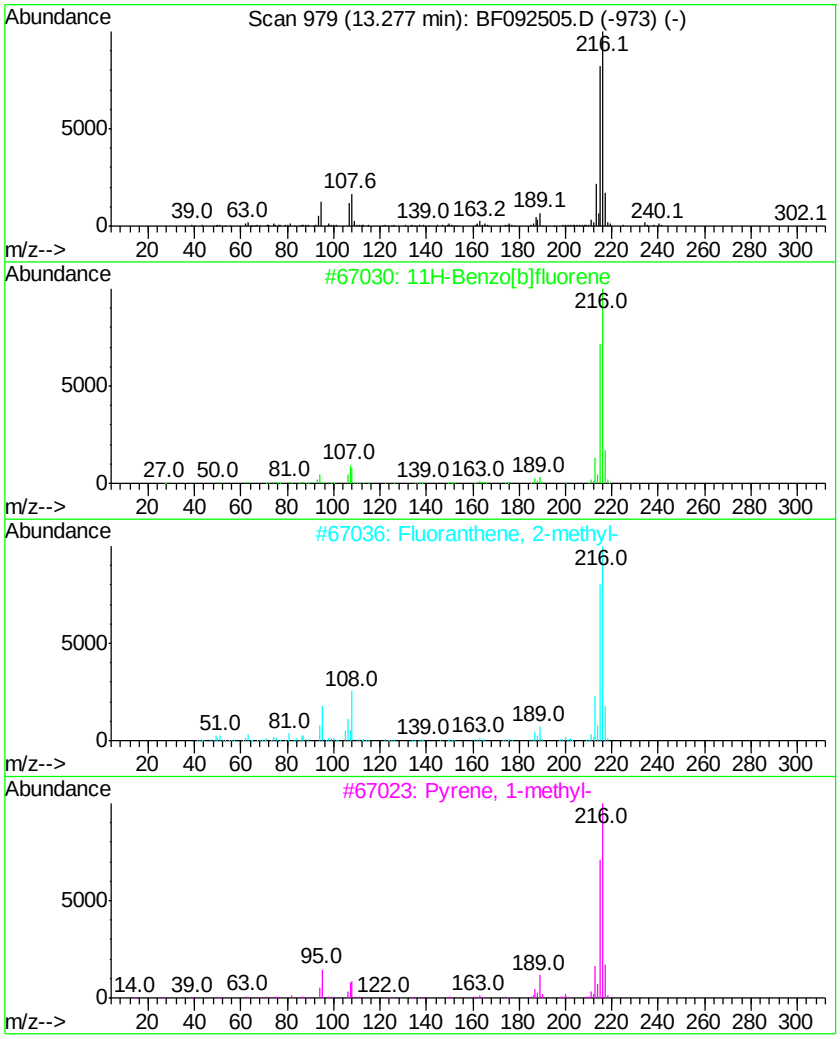
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

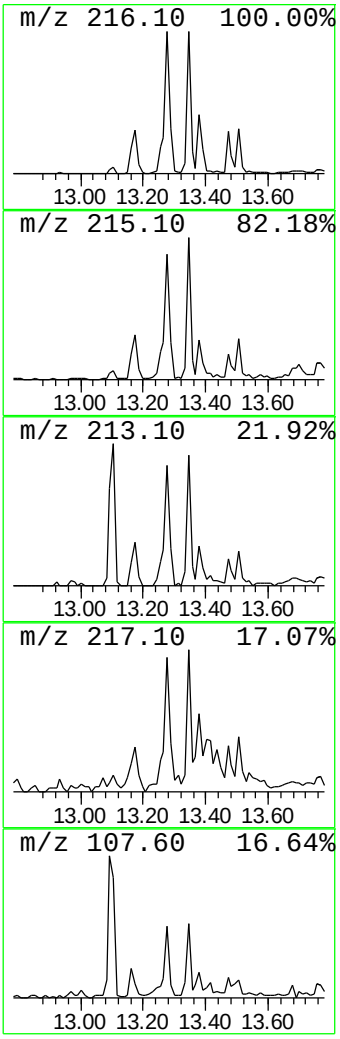
****

Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	3.51 ng	343710	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012517\
Data File : BF092505.D
Acq On : 26 Jan 2017 4:22
Operator : SJ/MA
Sample : I1346-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P14-11917

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...	5.15	36.8	ng	1764640	1	6.97	958914	20.0
Cyclohexane, 1,1,...	6.50	3.9	ng	185345	1	6.97	958914	20.0
unknown6.73	6.73	78.9	ng	3784050	1	6.97	958914	20.0
Nonane, 2-methyl-...	7.24	4.6	ng	222080	1	6.97	958914	20.0
Naphthalene, deca...	7.37	4.8	ng	228076	1	6.97	958914	20.0
unknown7.62	7.62	3.8	ng	316702	2	8.26	1664930	20.0
1-Methyldecahydro...	7.89	4.5	ng	372341	2	8.26	1664930	20.0
unknown8.13	8.13	3.3	ng	275277	2	8.26	1664930	20.0
Cyclohexane, 1,1'...	8.56	6.8	ng	568333	2	8.26	1664930	20.0
Nonane, 2,6-dimet...	8.68	16.9	ng	1402470	2	8.26	1664930	20.0
Cyclohexane, 1,2,...	8.81	5.9	ng	488791	2	8.26	1664930	20.0
Heptylcyclohexane	9.17	3.6	ng	272733	3	10.03	1504010	20.0
Cyclotetradecane	9.42	4.6	ng	343737	3	10.03	1504010	20.0
Naphthalene, 1,8-...	9.68	3.5	ng	265403	3	10.03	1504010	20.0
Heptacosane	10.68	3.6	ng	269118	3	10.03	1504010	20.0
Pentadecane, 2,6,...	10.94	5.0	ng	476396	4	11.52	1892050	20.0
4H-Cyclopenta[def...	12.12	4.7	ng	441628	4	11.52	1892050	20.0
11H-Benzo[b]fluorene	13.28	3.5	ng	343710	5	14.15	1957530	20.0