LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085643.D
Acq On : 22 Mar 2016 3:26
Operator : UM/SJ
Sample : H1840-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-13-17.5-18.0

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-BF031816.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	4.847	220	224	227	rBV	81274	105937	1.20%	0.103%
2	4.950	227	233	236	rBV3	145950	307965	3.48%	0.299%
3	5.007	236	238	243	rBV2	320139	527394	5.97%	0.513%
4	5.224	254	257	258	rBV	233385	305718	3.46%	0.297%
5	5.316	262	265	269	rBV2	151259	323917	3.66%	0.315%
6	5.441	269	276	278	rBV2	2105803	2773741	31.37%	2.697%
7	5.510	280	282	285	rVB	124107	145293	1.64%	0.141%
8	5.590	287	289	292	rBV2	274386	438414	4.96%	0.426%
9	5.636	292	293	295	rVB	432495	349833	3.96%	0.340%
10	5.681	295	297	301	rVB2	302250	449106	5.08%	0.437%
11	5.750	301	303	305	rBV	142454	143244	1.62%	0.139%
12	5.853	308	312	314	rBV2	514878	821565	9.29%	0.799%
13	5.910	314	317	318	rBV2	278260	554347	6.27%	0.539%
14	5.990	321	324	326	rVB2	938970	1194191	13.51%	1.161%
15	6.036	326	328	331	rBV2	308229	646359	7.31%	0.628%
16	6.093	331	333	336	rBV2	1452215	2431315	27.50%	2.364%
17	6.150	336	338	339	rBV	614938	897080	10.15%	0.872%
18	6.173	339	340	346	rVB4	409627	1194455	13.51%	1.161%
19	6.276	346	349	352	rBV3	1039333	2070297	23.42%	2.013%
20	6.344	352	355	356	rBV2	1136643	1130043	12.78%	1.099%
21	6.379	356	358	362	rVB3	993092	2111070	23.88%	2.053%
22	6.436	362	363	364	rBV	765738	674620	7.63%	0.656%
23	6.481	364	367	369	rBV	1854175	2424588	27.42%	2.357%
24	6.516	369	370	371	rVB	597532	409608	4.63%	0.398%
25	6.539	371	372	374	rVB2	330659	417744	4.73%	0.406%
26	6.619	374	379	382	rBV2	2217616	5897406	66.71%	5.734%
27	6.676	382	384	385	rBV	1405175	1634019	18.48%	1.589%
28	6.802	391	395	397	rBV4	808992	2215885	25.06%	2.155%
29	6.870	399	401	403	rVV	2372379	3122269	35.32%	3.036%
30	6.916	403	405	406	rVV	787936	1069370	12.10%	1.040%
31	6.973	406	410	411	rVV4	860682	1586445	17.94%	1.543%
32	7.007	411	413	417	rVB3	2618971	5389305	60.96%	5.240%
33	7.133	418	424	426	rBV2	1672273	4935374	55.82%	4.799%
34	7.167	426	427	429	rVB2	673868	683337	7.73%	0.664%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085643.D
Acq On : 22 Mar 2016 3:26
Operator : UM/SJ
Sample : H1840-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-13-17.5-18.0

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-BF031816.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.247	432	434	439	rBV3	1582140	3356439	37.97%	3.264%
36	7.350	439	443	444	rBV	776073	2044551	23.13%	1.988%
37	7.396	444	447	454	rVB5	2171414	7365139	83.31%	7.161%
38	7.510	454	457	459	rBV2	1425639	3069401	34.72%	2.984%
39	7.659	466	470	475	rVB4	1896051	5840424	66.06%	5.679%
40	7.784	476	481	488	rBV8	1783581	8840812	100.00%	8.596%
41	7.899	488	491	495	rVV4	1379156	4847296	54.83%	4.713%
42	7.979	495	498	500	rVB3	672343	1420622	16.07%	1.381%
43	11.739	825	827	832	rVB3	1091704	2291733	25.92%	2.228%
44	11.911	840	842	843	rBV	1161416	1448689	16.39%	1.409%
45	11.945	843	845	846	rVB	1307597	1668928	18.88%	1.623%
46	12.448	886	889	890	rBV	1519112	1926405	21.79%	1.873%
47	12.756	914	916	920	rVB2	517125	1067971	12.08%	1.038%
48	12.825	920	922	925	rVV2	560817	1156990	13.09%	1.125%
49	12.882	925	927	929	rVB	859210	889804	10.06%	0.865%
50	12.962	932	934	936	rVB	1589873	1473064	16.66%	1.432%
51	13.854	1009	1012	1019	rVB	417391	805964	9.12%	0.784%
52	14.002	1022	1025	1033	rVV2	708795	1136146	12.85%	1.105%
53	14.162	1037	1039	1044	rVB	193840	260484	2.95%	0.253%
54	14.471	1064	1066	1068	rVB	148455	140058	1.58%	0.136%
55	14.768	1090	1092	1093	rBV	116513	117182	1.33%	0.114%
56	15.019	1111	1114	1117	rVB	191504	328412	3.71%	0.319%
57	15.362	1142	1144	1147	rVV	132117	224156	2.54%	0.218%
58	15.420	1147	1149	1155	rVV	414067	705347	7.98%	0.686%
59	15.557	1159	1161	1166	rVB3	108805	163402	1.85%	0.159%
60	16.082	1205	1207	1214	rVB	166869	447990	5.07%	0.436%
61	16.494	1241	1243	1248	rVB	215902	428143	4.84%	0.416%

Sum of corrected areas: 102846806

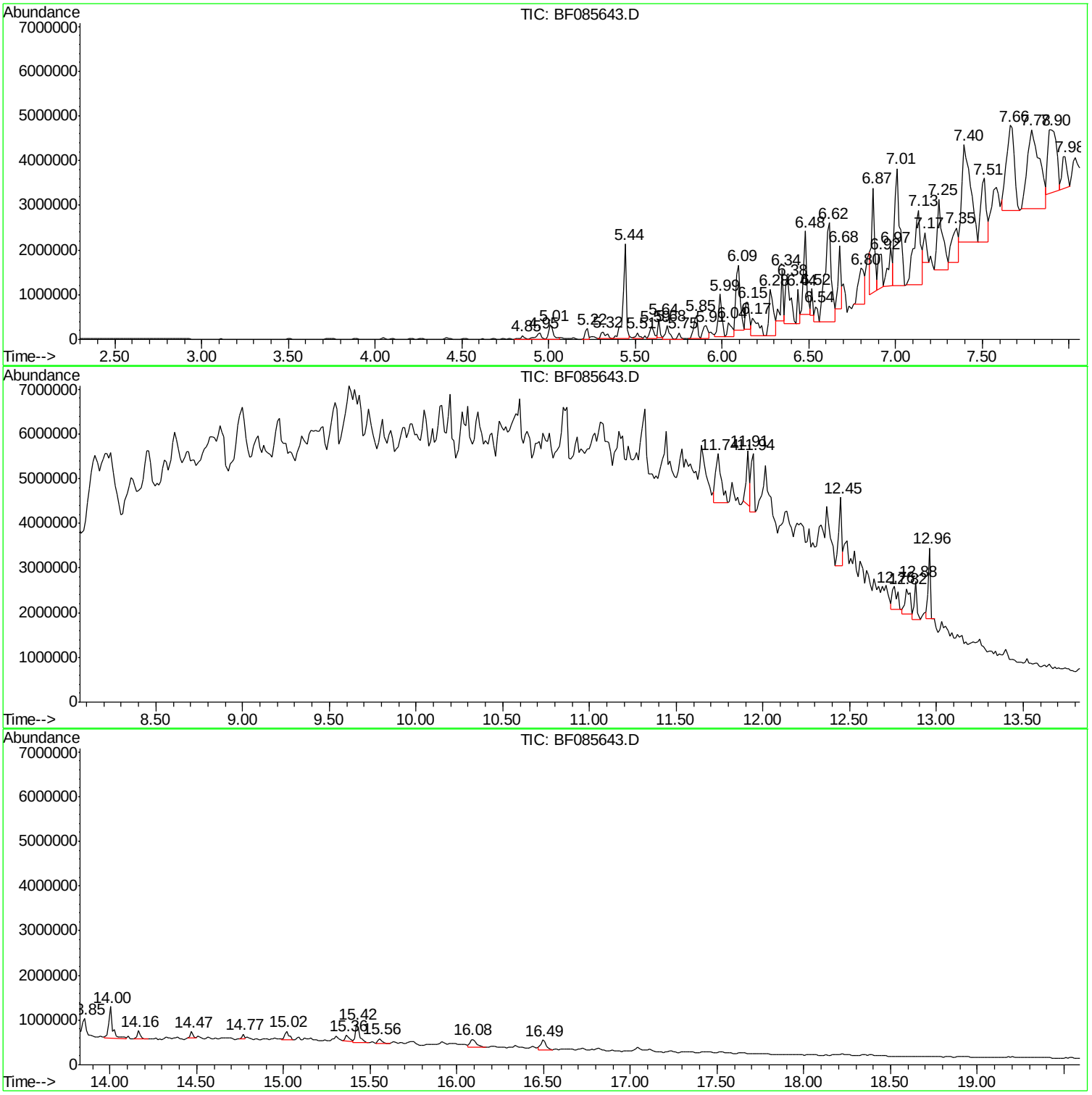
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085643.D
Acq On : 22 Mar 2016 3:26
Operator : UM/SJ
Sample : H1840-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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\BF032116\
Data File : BF085643.D
Acq On : 22 Mar 2016 3:26
Operator : UM/SJ
Sample : H1840-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

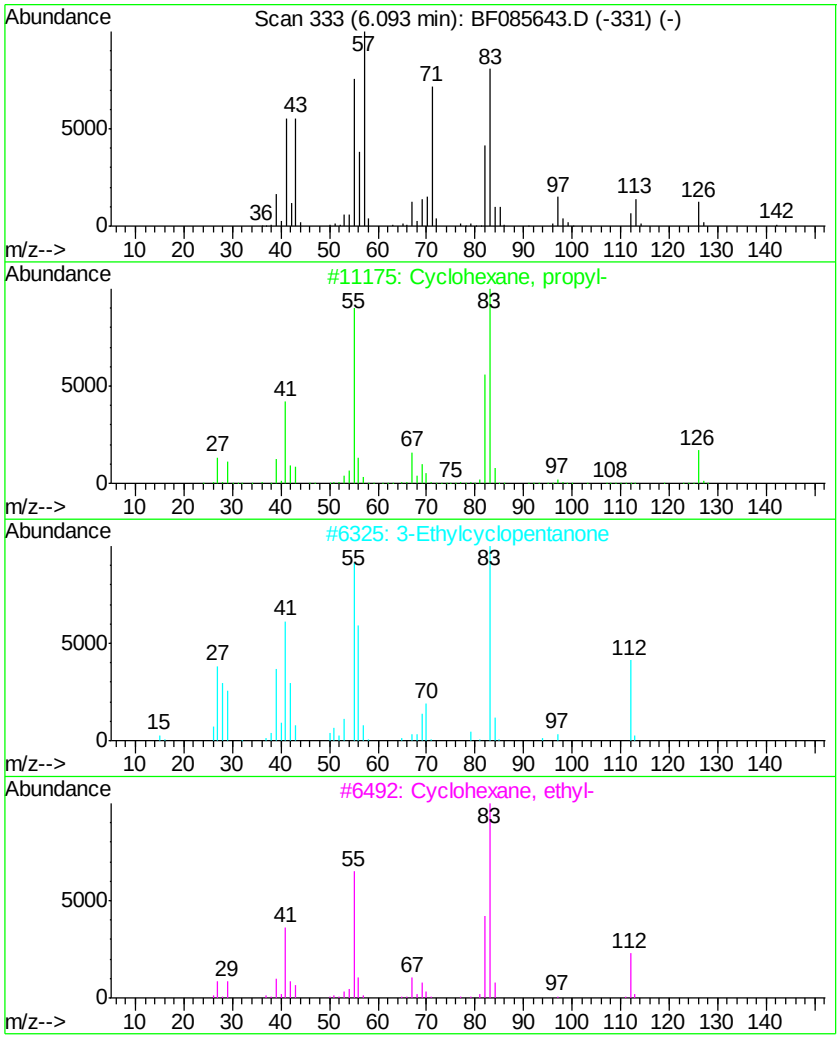
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

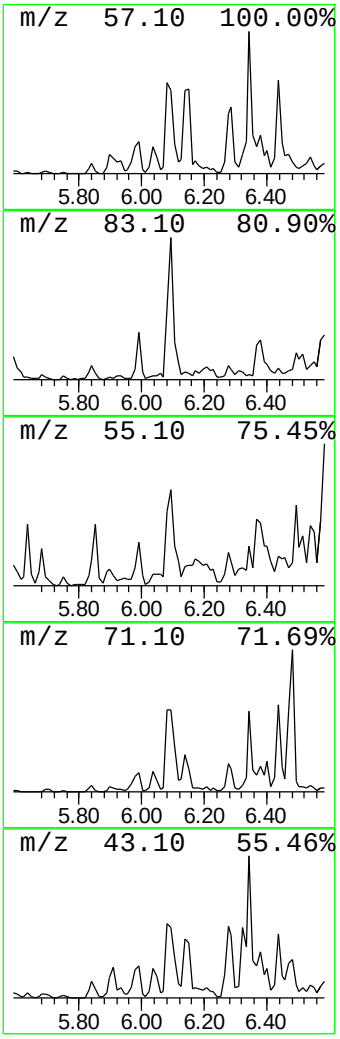
****

Peak Number 1 Cyclohexane, propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.09	15.57 ng	2431320	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	55
2	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	45
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	43
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	41
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085643.D
Acq On : 22 Mar 2016 3:26
Operator : UM/SJ
Sample : H1840-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-13-17.5-18.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

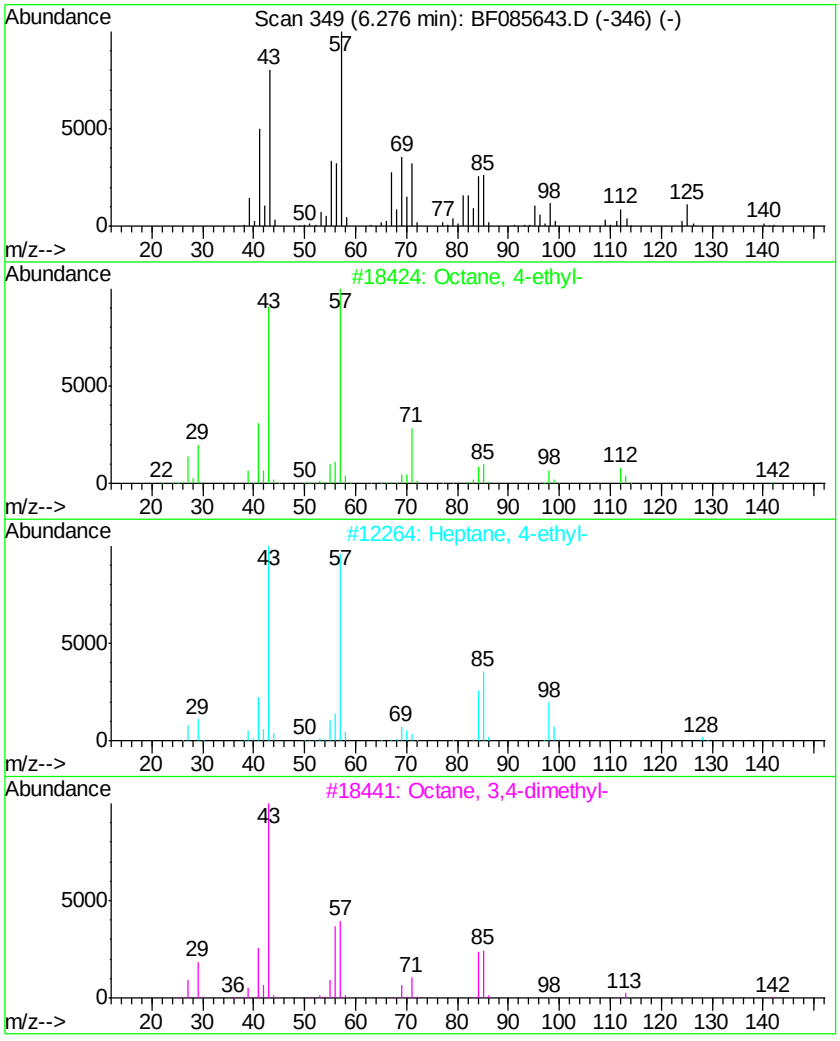
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

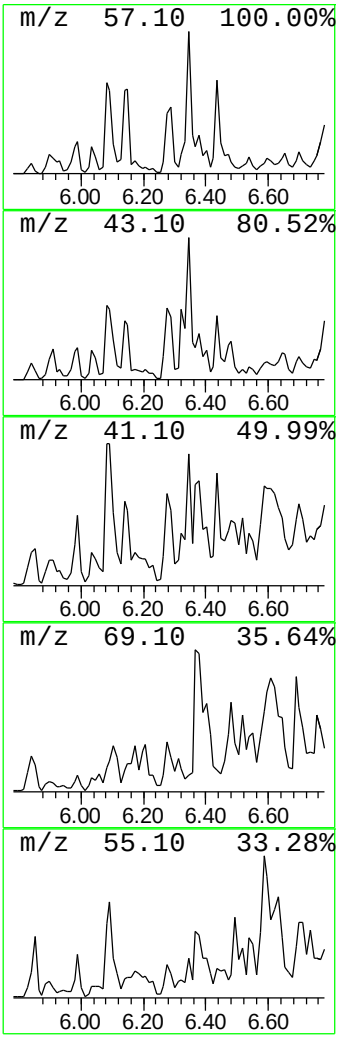
****

Peak Number 2 unknown6.28 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.28	13.26 ng	2070300	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-ethyl-	142	C10H22	015869-86-0	38
2	Heptane, 4-ethyl-	128	C9H20	002216-32-2	38
3	Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	38
4	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	35
5	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	35





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085643.D
Acq On : 22 Mar 2016 3:26
Operator : UM/SJ
Sample : H1840-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-13-17.5-18.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

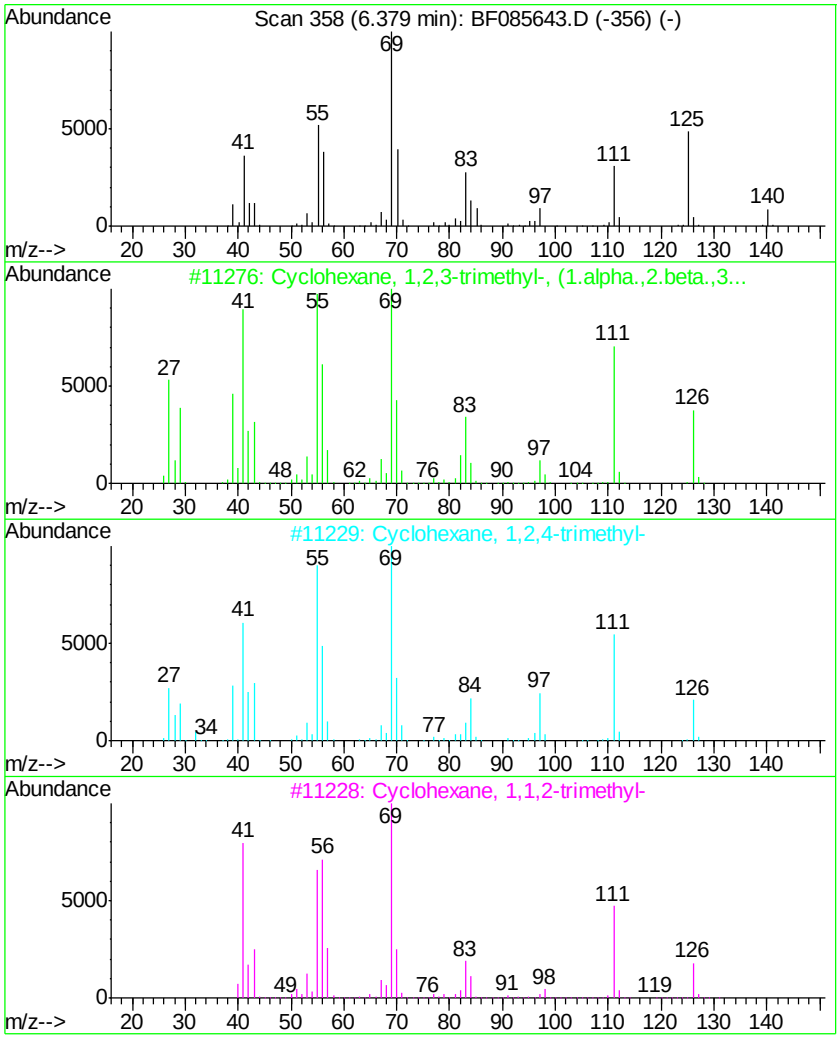
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

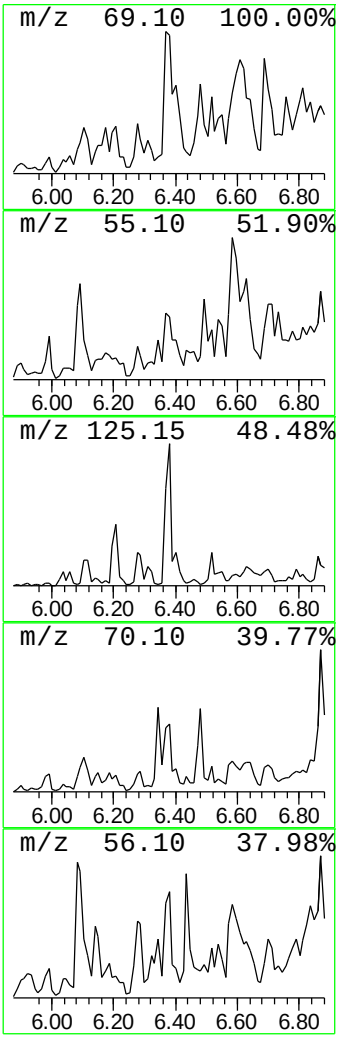
****

Peak Number 3 Cyclohexane, 1,2,3-trimethy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	13.52 ng	2111070	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	50
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	49
3	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	47
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	43
5	Cyclooctane, butyl-	168	C12H24	016538-93-5	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085643.D
Acq On : 22 Mar 2016 3:26
Operator : UM/SJ
Sample : H1840-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-13-17.5-18.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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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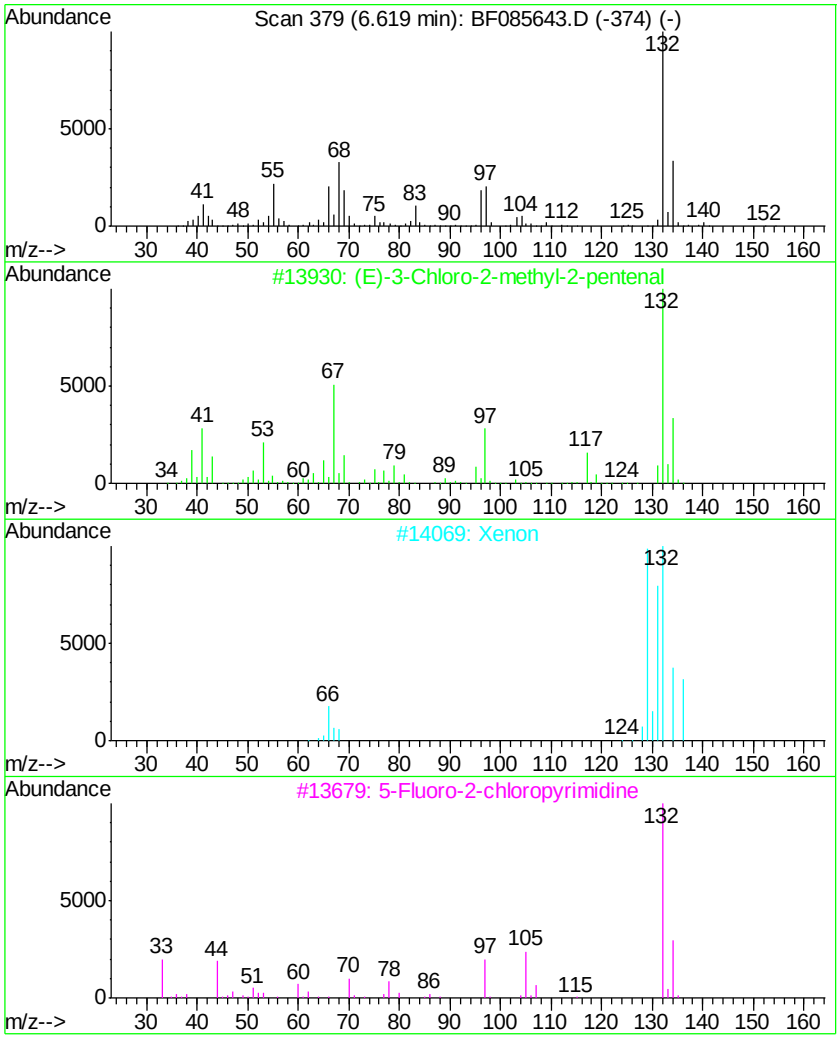
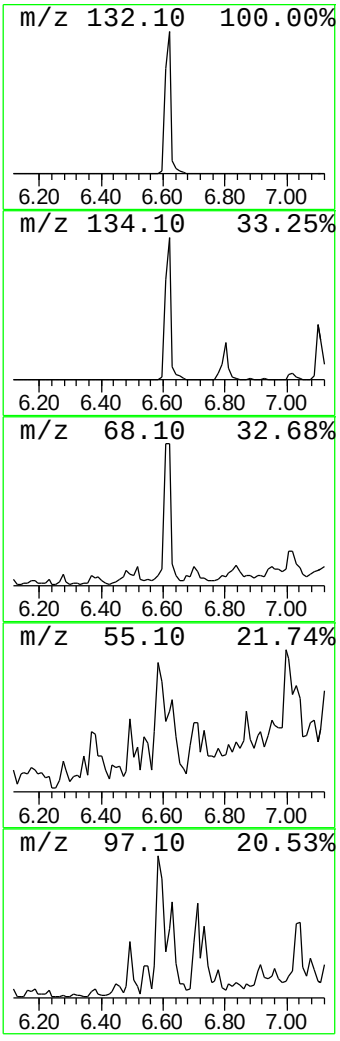
Peak Number 4 unknown6.62 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	37.78 ng	5897410	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	38
2	Xenon	132	Xe	007440-63-3	25
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	17
4	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085643.D
Acq On : 22 Mar 2016 3:26
Operator : UM/SJ
Sample : H1840-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-13-17.5-18.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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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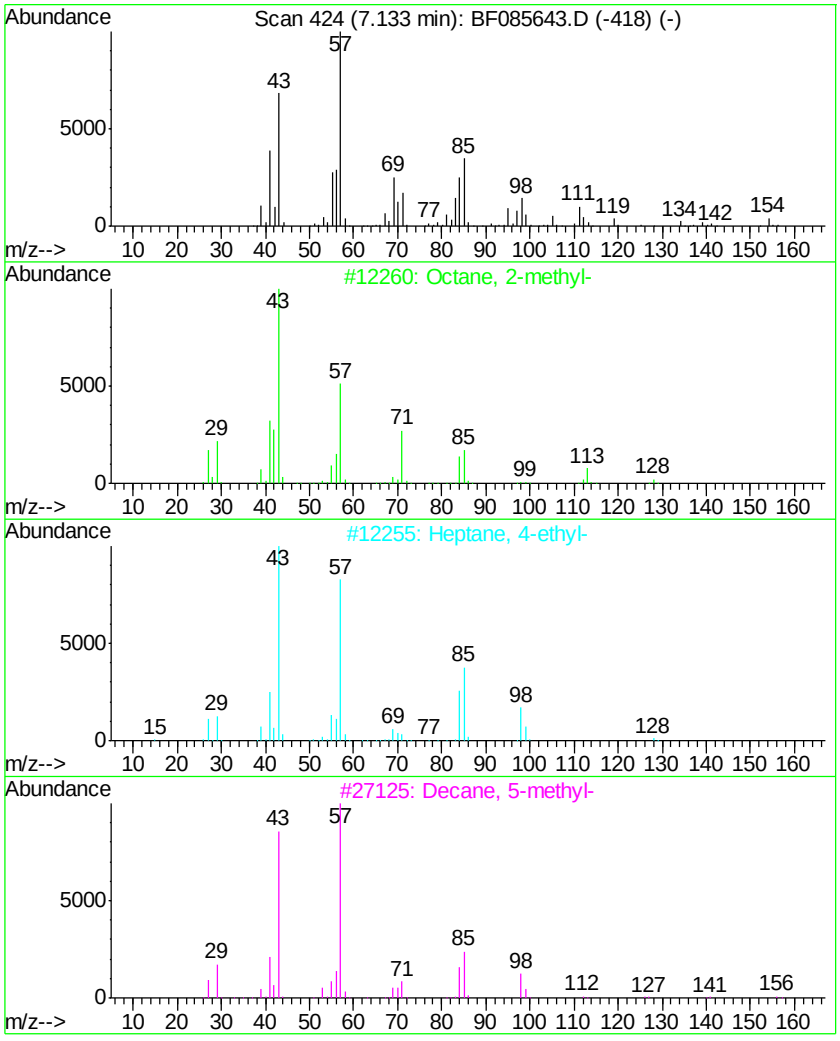
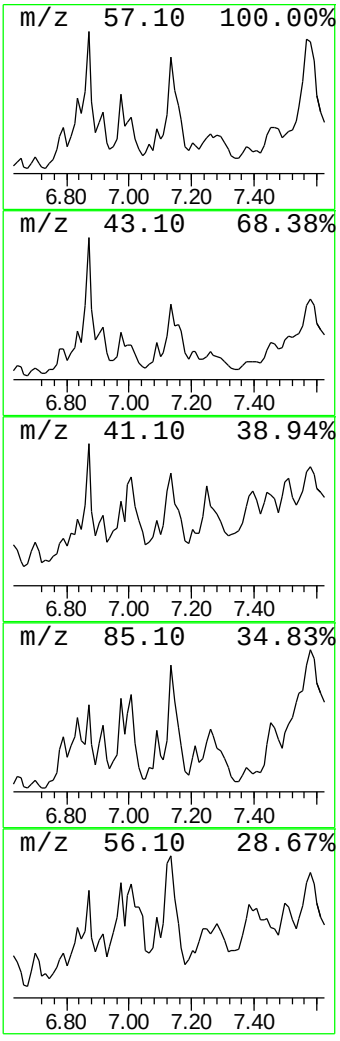
Peak Number 6 unknown7.13 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	31.61 ng	4935370	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	49
2	Heptane, 4-ethyl-	128	C9H20	002216-32-2	49
3	Decane, 5-methyl-	156	C11H24	013151-35-4	47
4	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	47
5	Octane, 4-ethyl-	142	C10H22	015869-86-0	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085643.D
Acq On : 22 Mar 2016 3:26
Operator : UM/SJ
Sample : H1840-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-13-17.5-18.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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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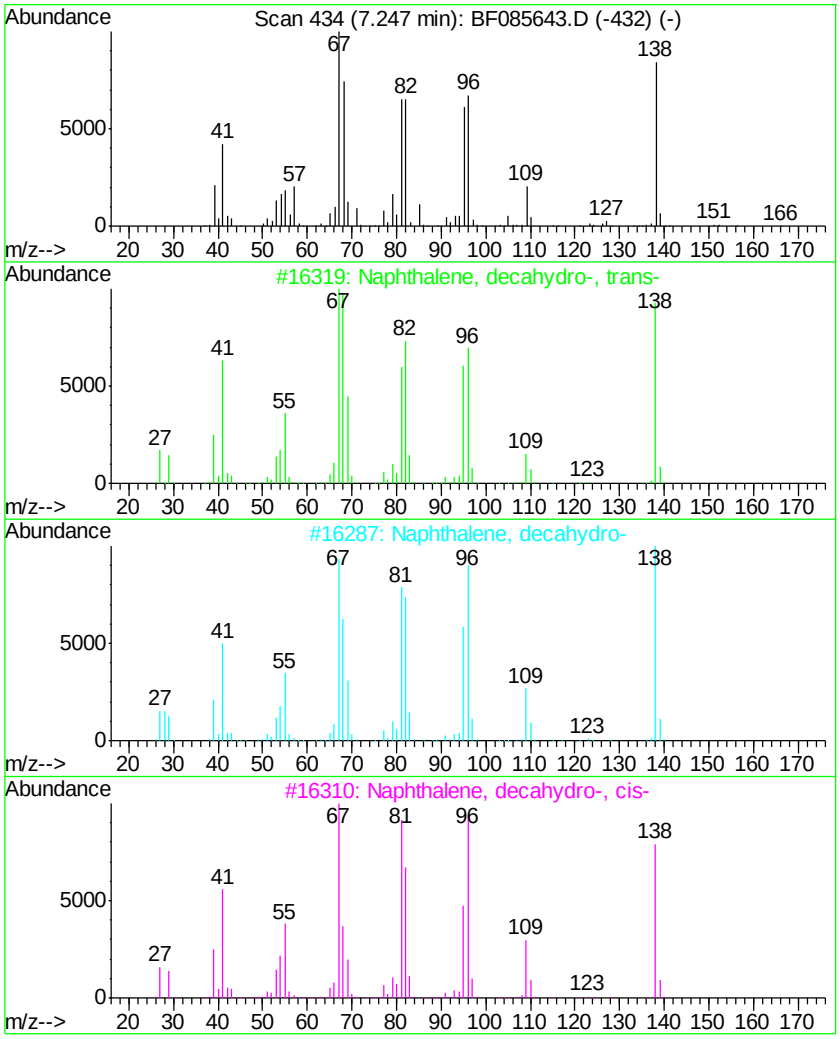
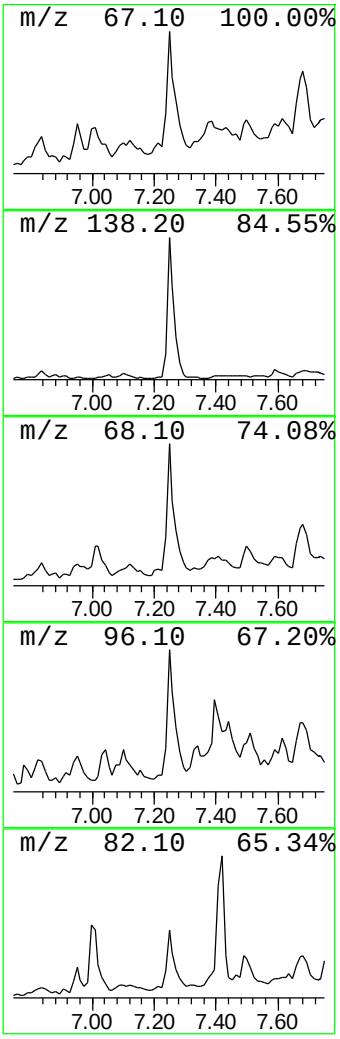
Peak Number 7 Naphthalene, decahydro-, tr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	21.50 ng	3356440	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	90
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	64
4	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	55
5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	49





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085643.D
Acq On : 22 Mar 2016 3:26
Operator : UM/SJ
Sample : H1840-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-13-17.5-18.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

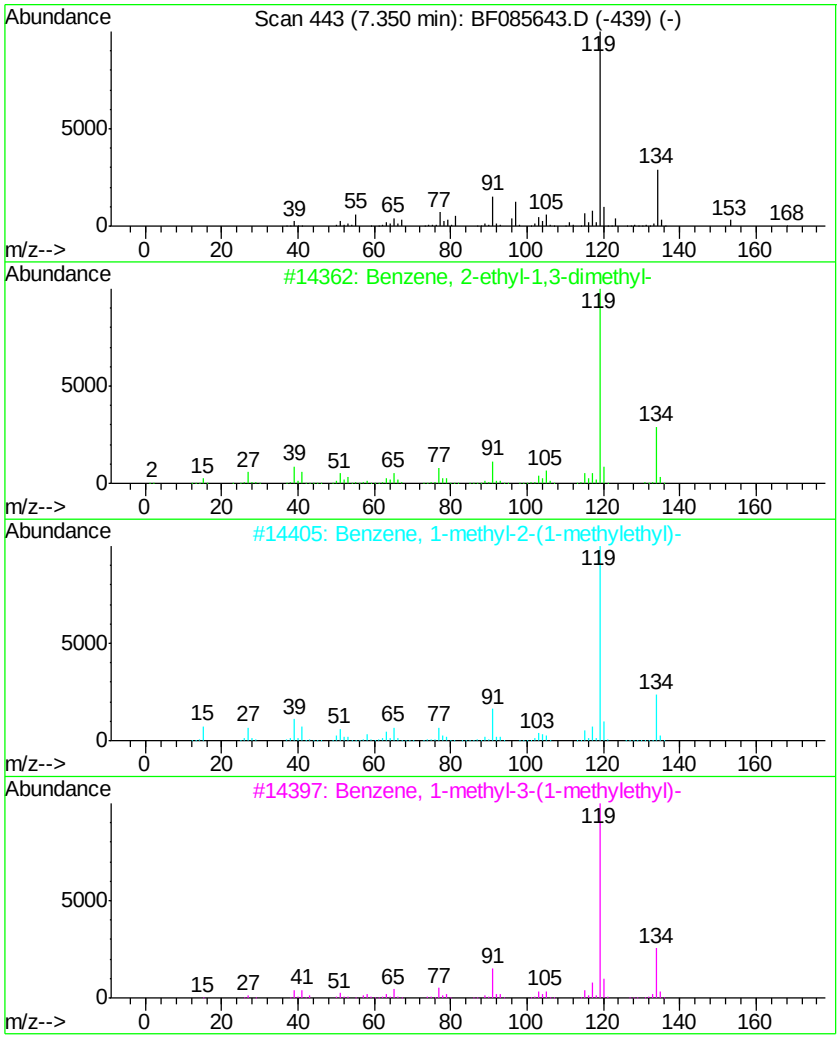
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

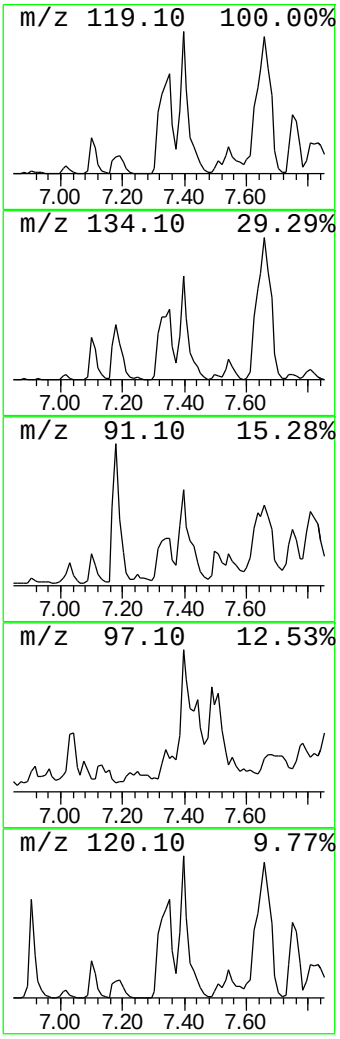
****

Peak Number 8 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	13.10 ng	2044550	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085643.D
Acq On : 22 Mar 2016 3:26
Operator : UM/SJ
Sample : H1840-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-13-17.5-18.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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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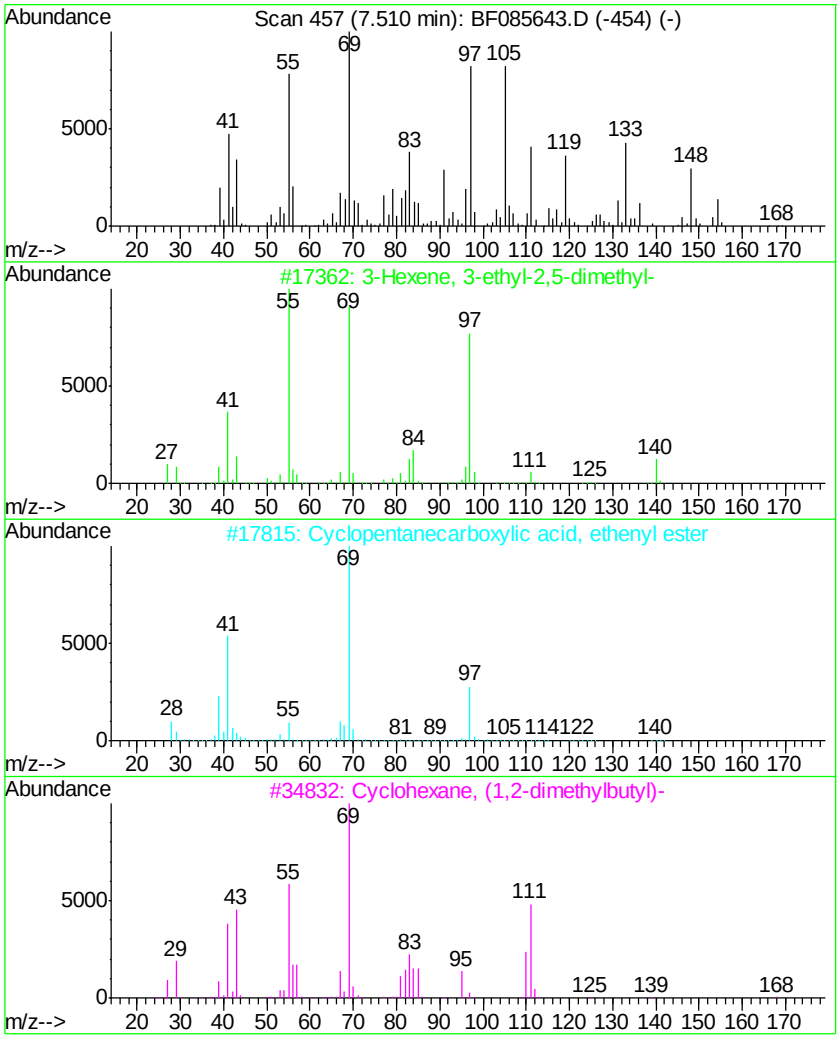
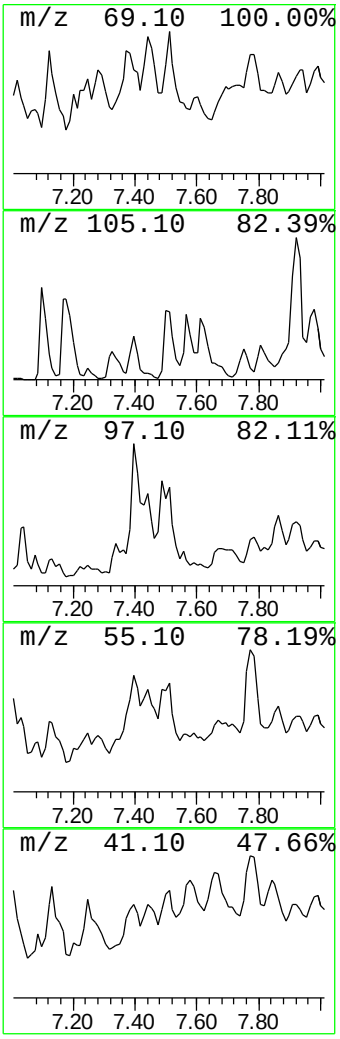
Peak Number 9 unknown7.51 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.51	43.21 ng	3069400	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	38
2	Cyclopentanecarboxylic acid, eth...	140	C8H12O2	016523-06-1	35
3	Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	30
4	Cyclooctanemethanol	142	C9H18O	003637-63-6	27
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	22





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Acq On : 22 Mar 2016 3:26
Operator : UM/SJ
Sample : H1840-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-13-17.5-18.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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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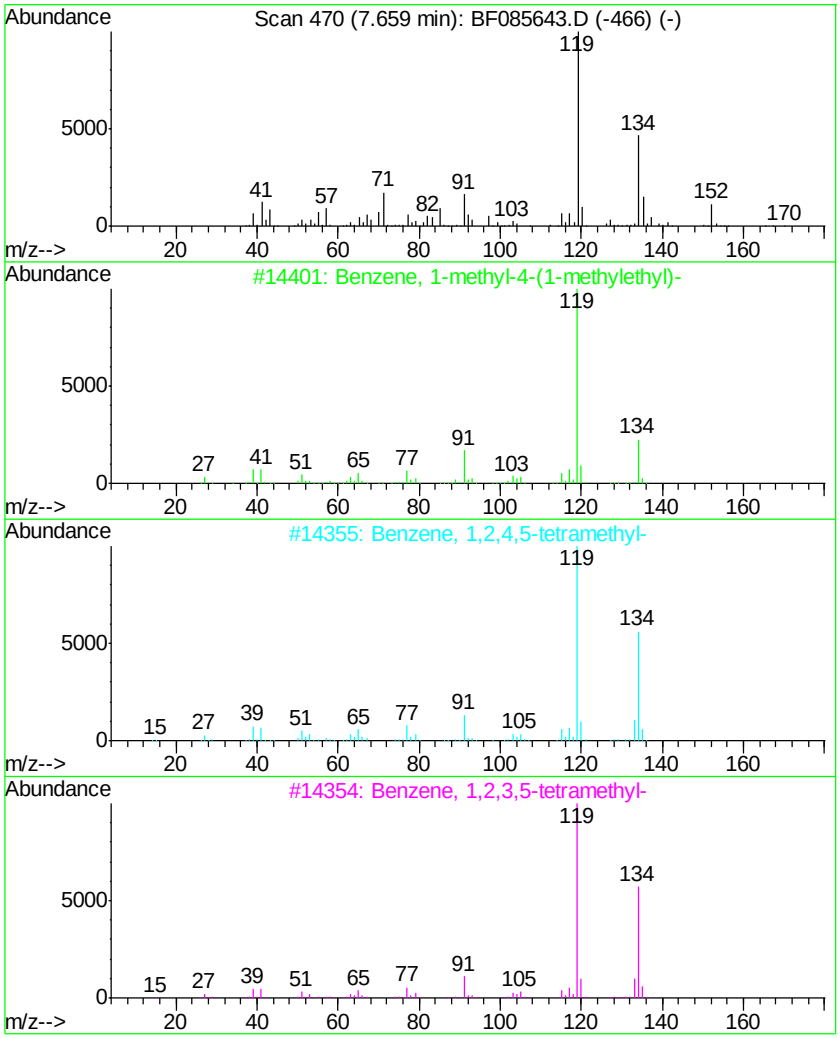
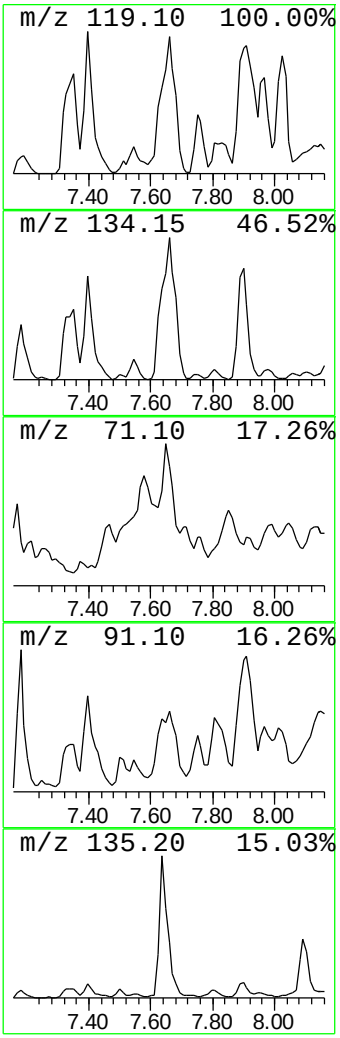
Peak Number 10 Benzene, 1-methyl-4-(1-meth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	82.22 ng	5840420	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	76
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76
5	Benzene, tert-butyl-	134	C10H14	000098-06-6	72





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Sample : H1840-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-13-17.5-18.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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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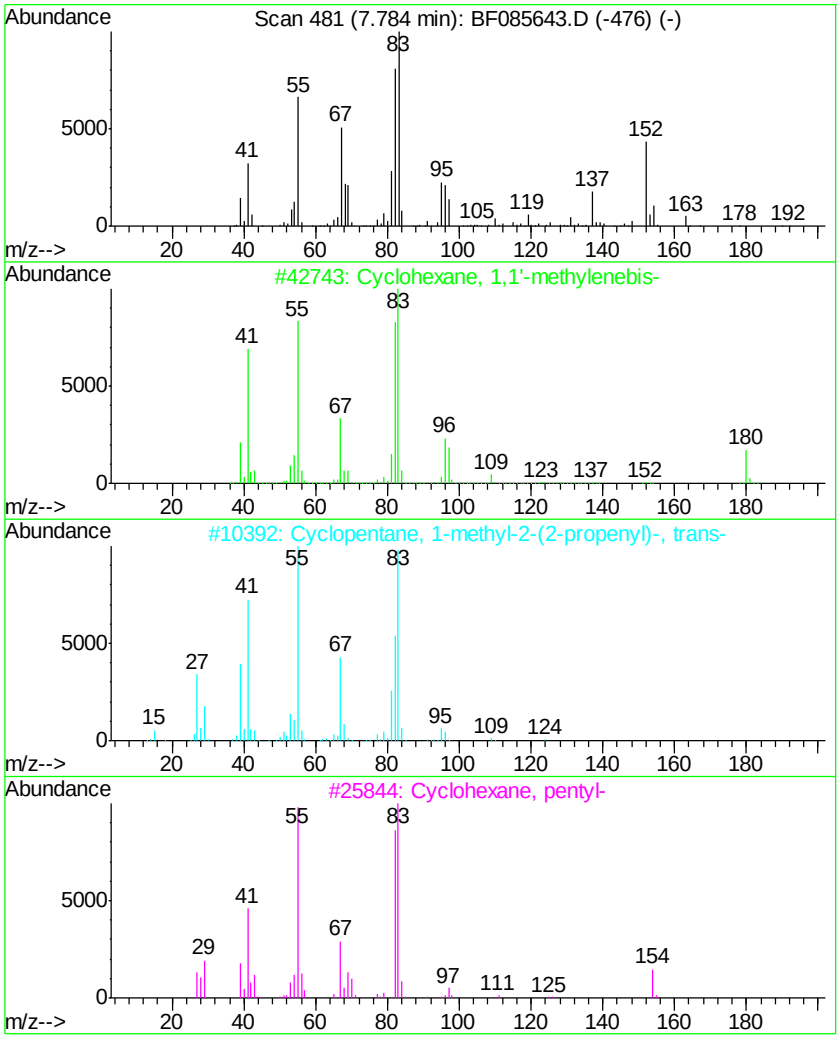
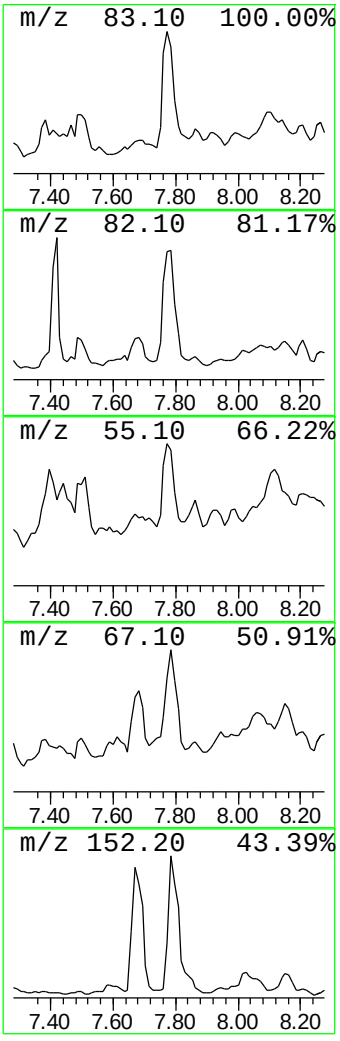
Peak Number 11 Cyclohexane, 1,1'-methylene... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	124.46 ng	8840810	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1'-methylenebis-	180	C13H24	003178-23-2	50
2	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	49
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	47
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	47
5	Cyclohexane, eicosyl-	364	C26H52	004443-55-4	43





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ClientSampleId : PJ-SB-13-17.5-18.0

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TIC Integration Parameters: LSCINT.P

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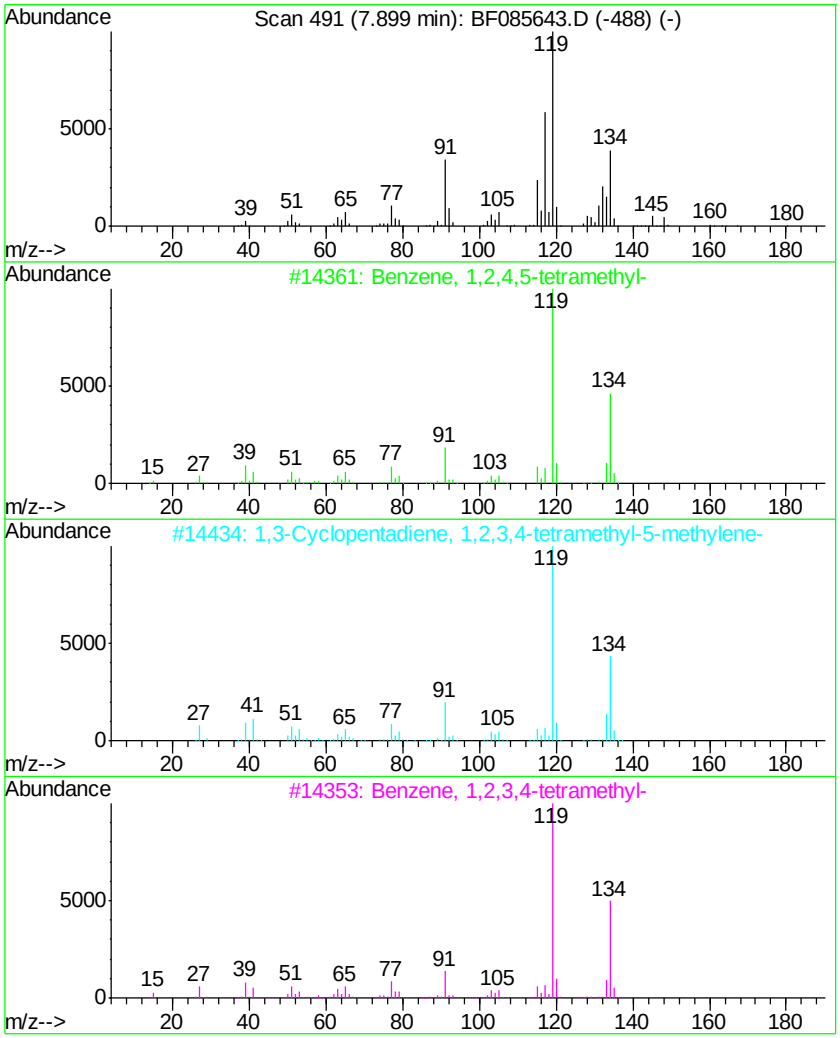
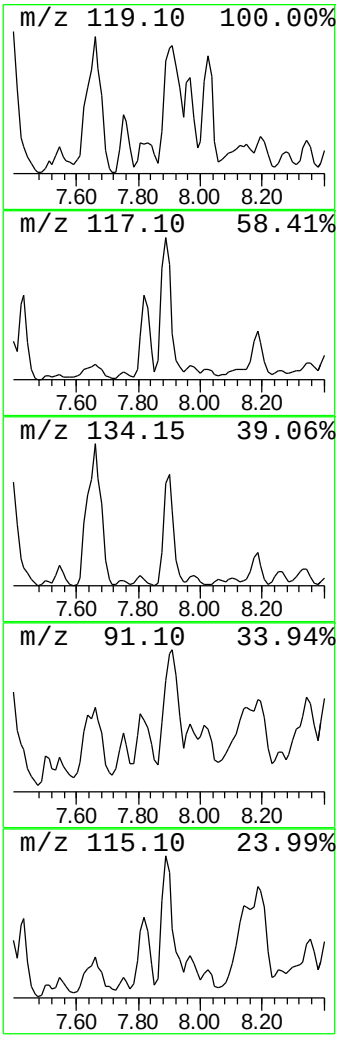
Peak Number 12 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	68.24 ng	4847300	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	53
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	53
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	49
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	49





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ClientSampleId : PJ-SB-13-17.5-18.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
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TIC Integration Parameters: LSCINT.P

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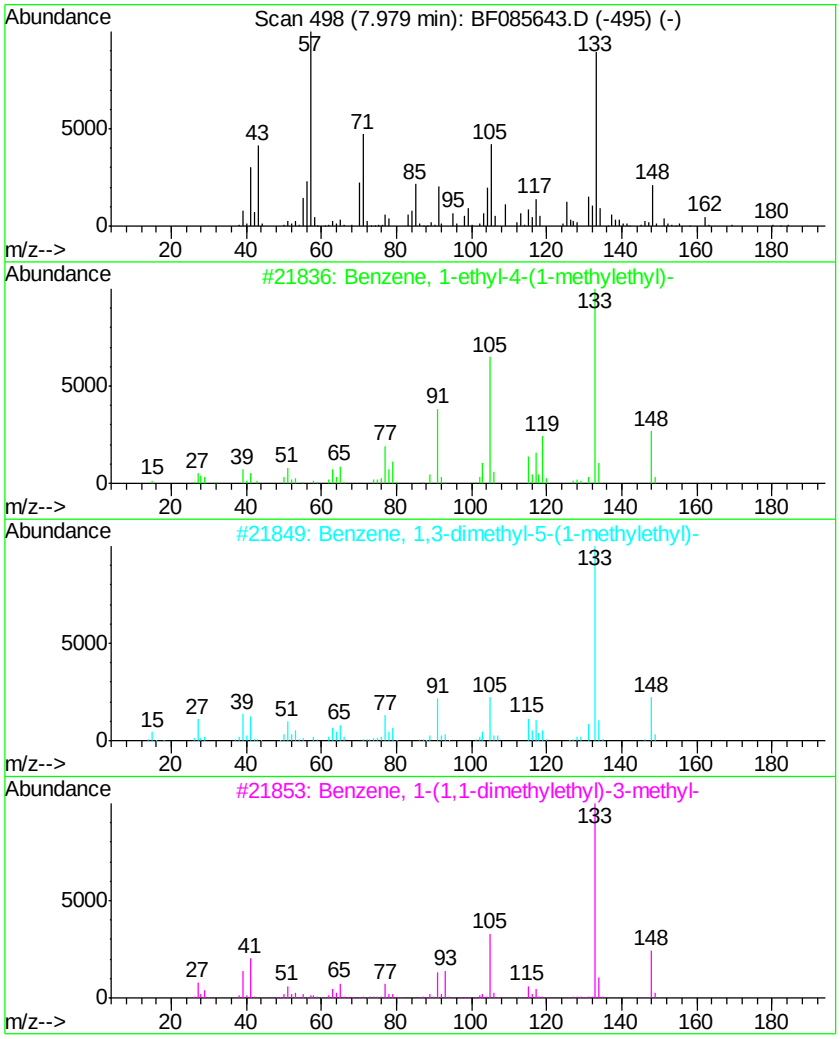
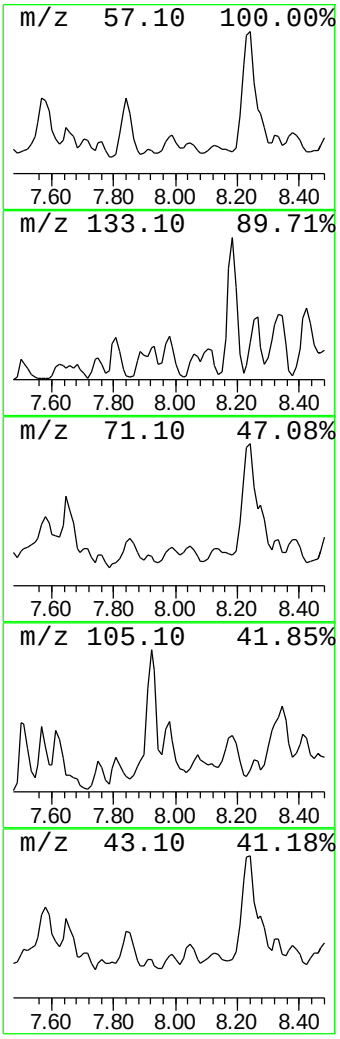
Peak Number 13 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	20.00 ng	1420620	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	46
3	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	43
4	4-tert-Butyltoluene	148	C11H16	000098-51-1	43
5	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	43





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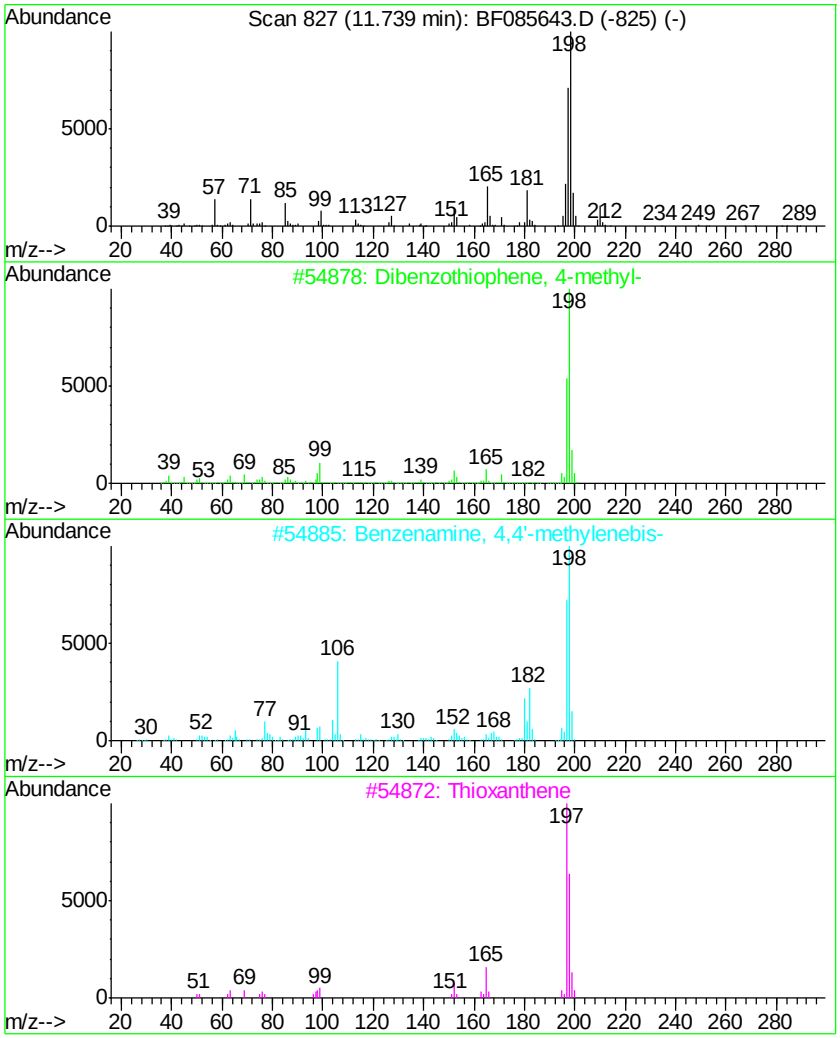
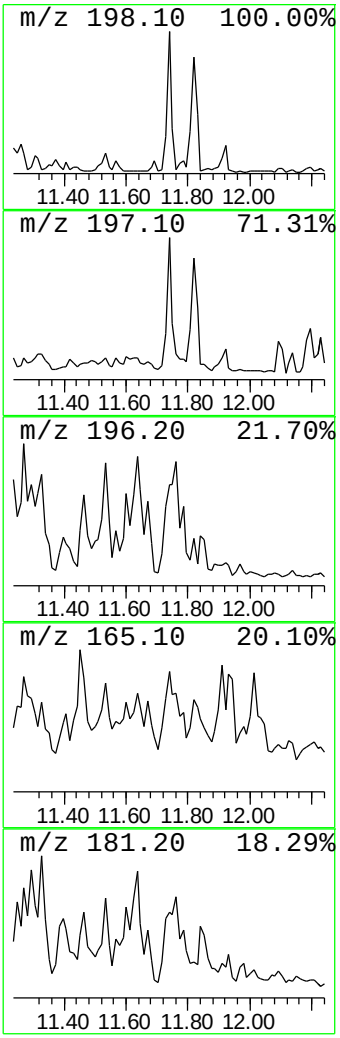
Peak Number 14 Dibenzothiophene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	20.00 ng	2291730	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	58
2	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58
3	Thioxanthene	198	C13H10S	000261-31-4	53
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	53
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	52





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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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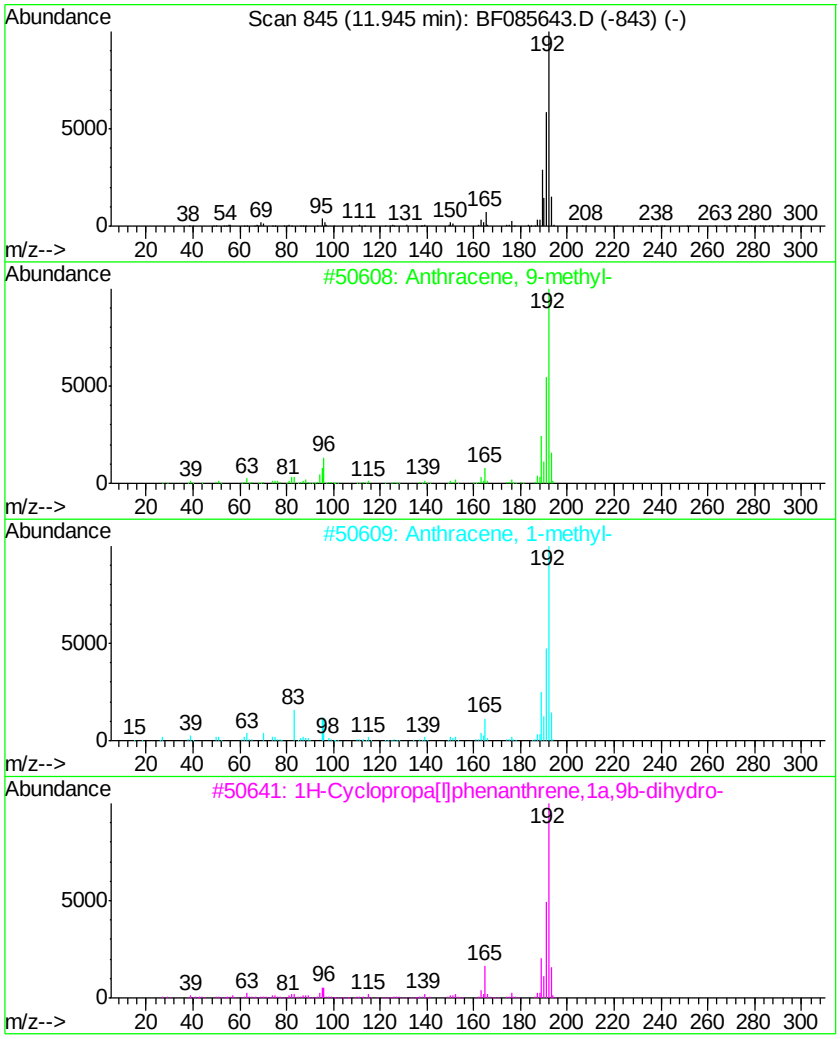
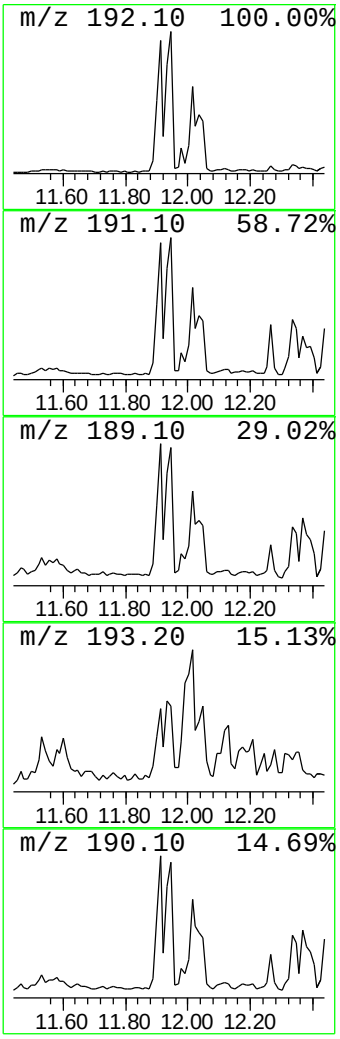
Peak Number 15 Anthracene, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	14.56 ng	1668930	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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ClientSampleId : PJ-SB-13-17.5-18.0

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TIC Library : C:\DATABASE\NIST02.L
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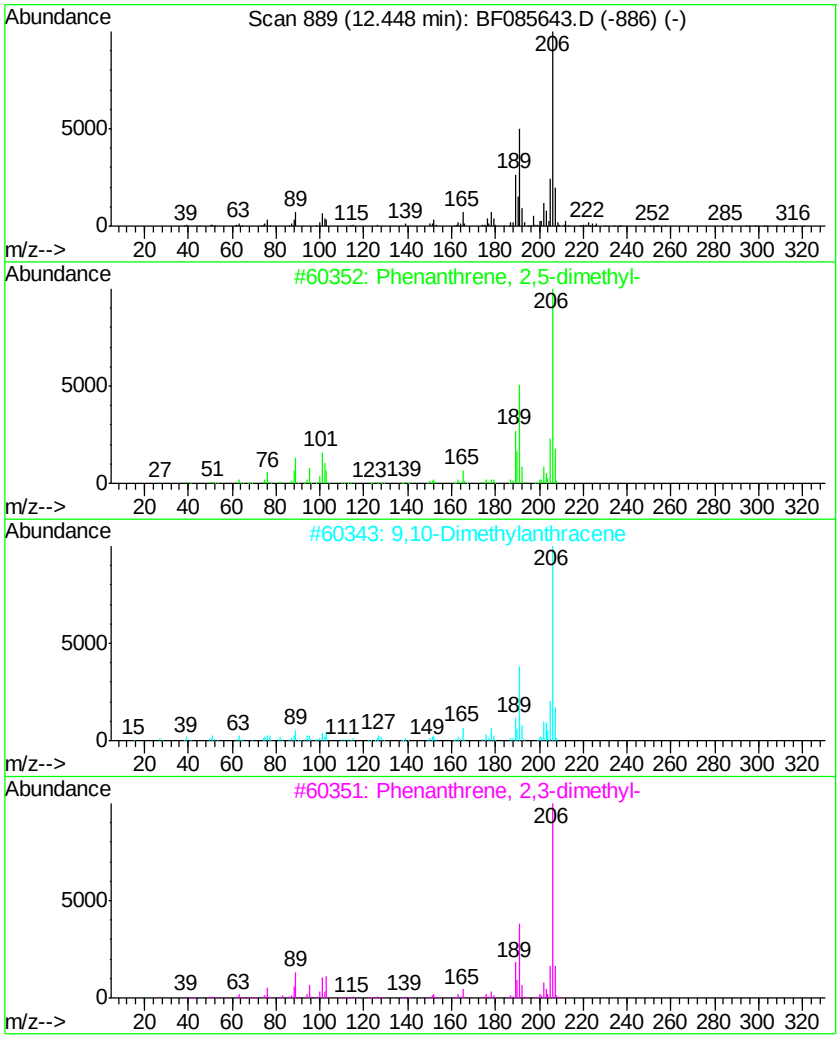
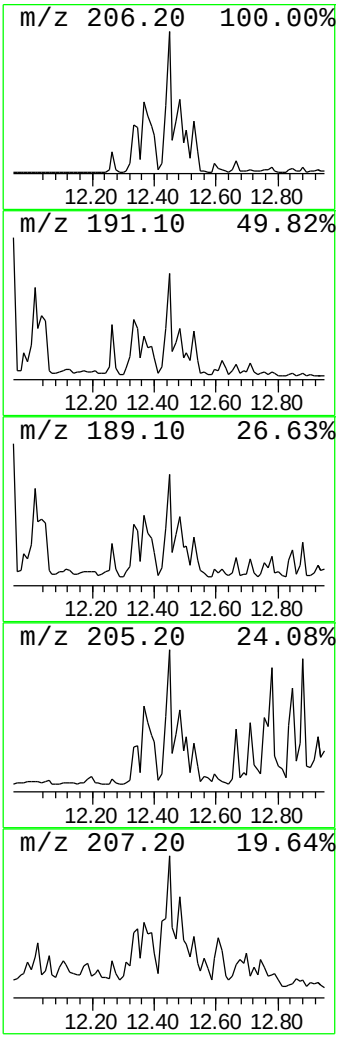
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	16.81 ng	1926410	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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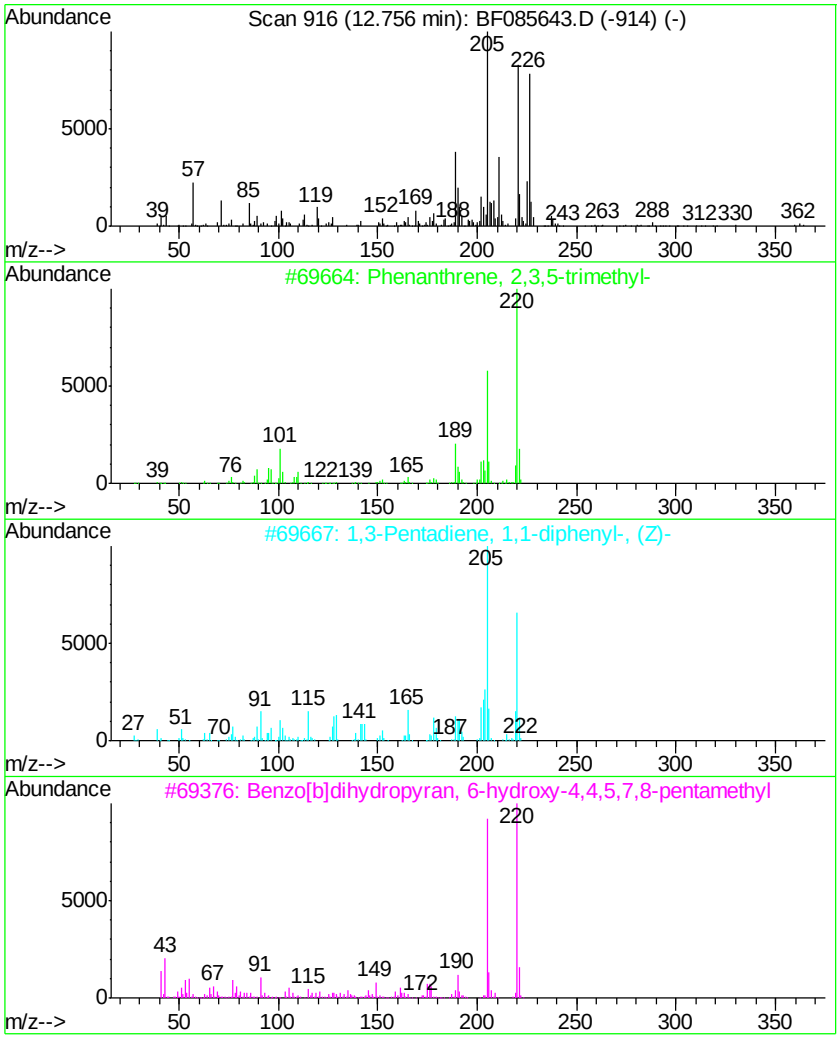
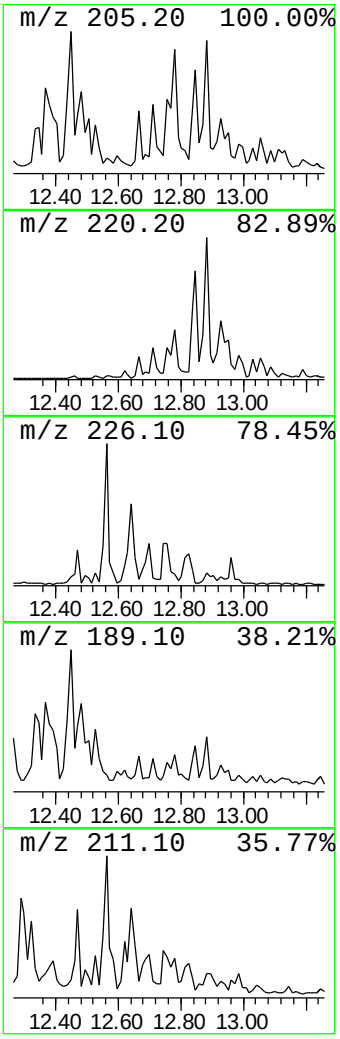
Peak Number 17 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	18.80 ng	1067970	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	53
2	1,3-Pentadiene, 1,1-diphenyl-, (Z)-	220	C17H16	015295-31-5	43
3	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	43
4	Benzonitrile, 4-(2-phenylethenyl)-	205	C15H11N	001552-58-5	35
5	1-Ethyl-2-methylphenanthrene	220	C17H16	061983-53-7	25





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TIC Integration Parameters: LSCINT.P

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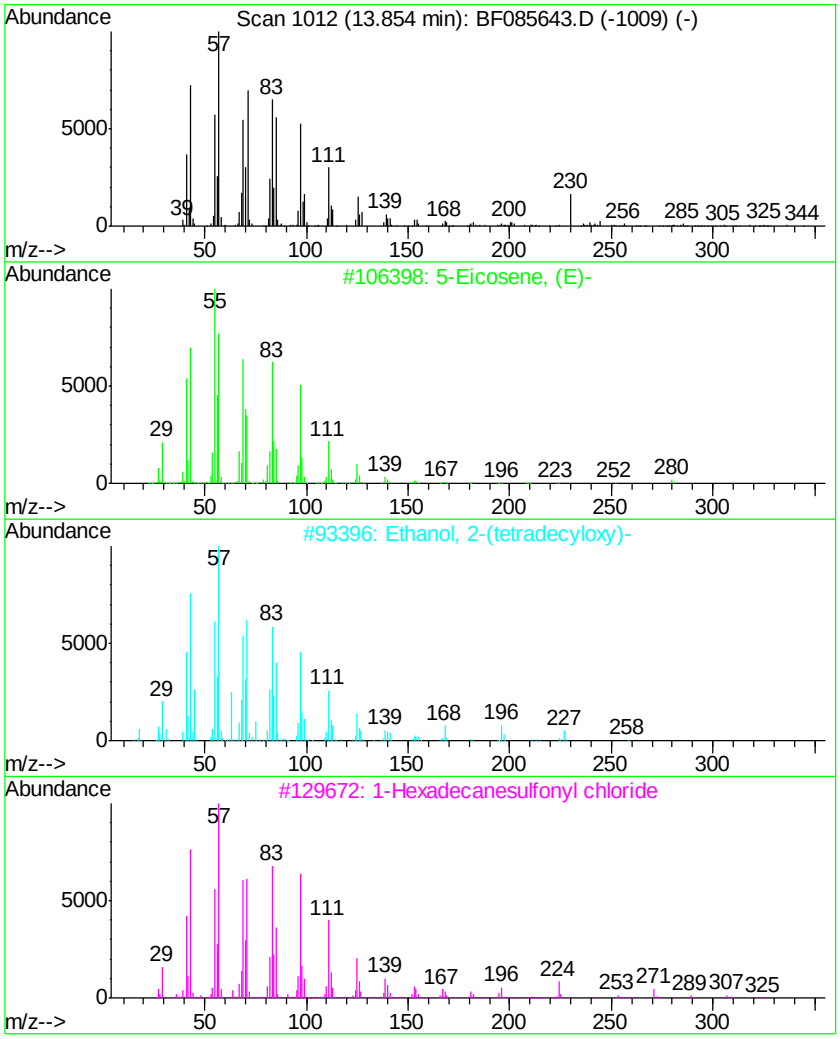
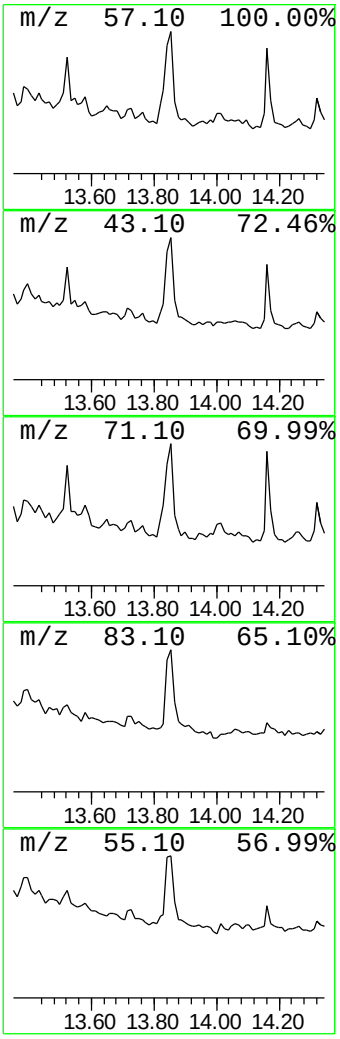
Peak Number 19 5-Eicosene, (E)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	14.19 ng	805964	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	91
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	87
3	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	83
4	Heptafluorobutyric acid, n-penta...	424	C19H31F7O2	1000216-79-3	76
5	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	76





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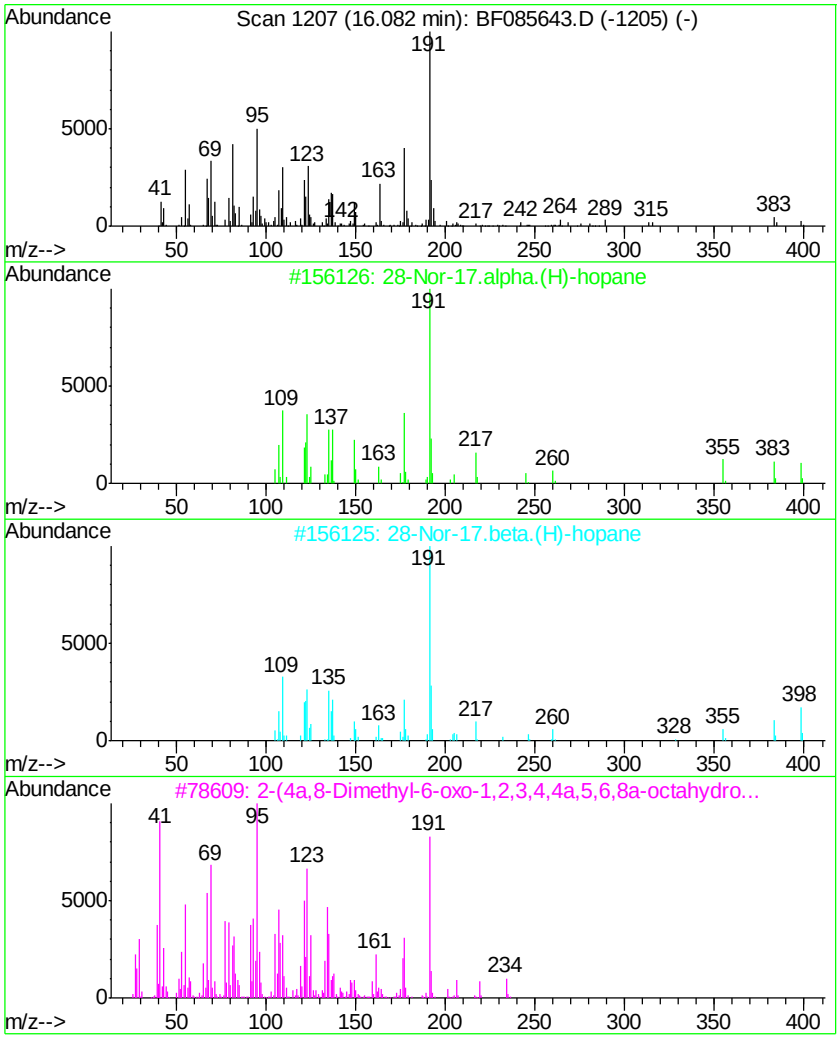
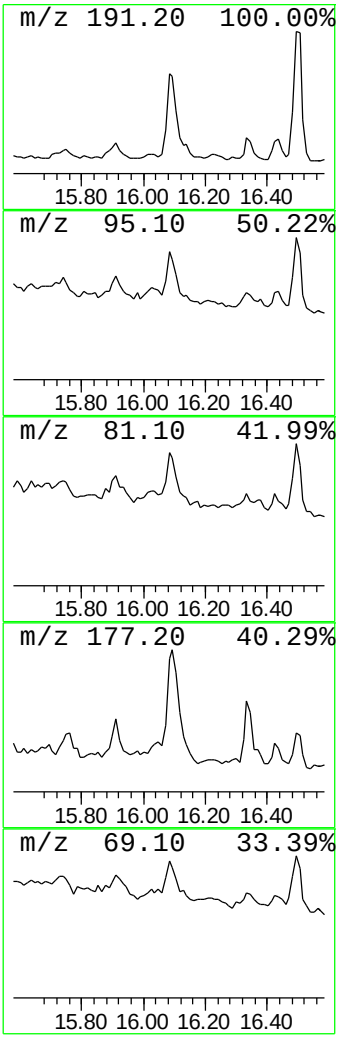
Peak Number 20 28-Nor-17.alpha.(H)-hopane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	12.70 ng	447990	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	56
2	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	53
3	2-(4a,8-Dimethyl-6-oxo-1,2,3,4,4...	234	C15H22O2	1000190-21-8	42
4	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	38
5	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	35





Tentatively Identified Compound (LSC) summary

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexane, propyl-	6.09	15.6	ng	2431320	1	6.85	3122270	20.0
unknown6.28	6.28	13.3	ng	2070300	1	6.85	3122270	20.0
Cyclohexane, 1,2,...	6.38	13.5	ng	2111070	1	6.85	3122270	20.0
unknown6.62	6.62	37.8	ng	5897410	1	6.85	3122270	20.0
unknown7.13	7.13	31.6	ng	4935370	1	6.85	3122270	20.0
Naphthalene, deca...	7.25	21.5	ng	3356440	1	6.85	3122270	20.0
Benzene, 2-ethyl-...	7.35	13.1	ng	2044550	1	6.85	3122270	20.0
unknown7.51	7.51	43.2	ng	3069400	2	8.15	1420620	20.0
Benzene, 1-methyl...	7.66	82.2	ng	5840420	2	8.15	1420620	20.0
Cyclohexane, 1,1'...	7.78	124.5	ng	8840810	2	8.15	1420620	20.0
Benzene, 1,2,4,5-...	7.90	68.2	ng	4847300	2	8.15	1420620	20.0
Benzene, 1-ethyl-...	7.98	20.0	ng	1420620	2	8.15	1420620	20.0
Dibenzothiophene,...	11.74	20.0	ng	2291730	4	11.41	2291730	20.0
Anthracene, 9-met...	11.94	14.6	ng	1668930	4	11.41	2291730	20.0
Phenanthrene, 2,5...	12.45	16.8	ng	1926410	4	11.41	2291730	20.0
Phenanthrene, 2,3...	12.76	18.8	ng	1067970	5	14.00	1136150	20.0
5-Eicosene, (E)-	13.85	14.2	ng	805964	5	14.00	1136150	20.0
28-Nor-17.alpha.(...	16.08	12.7	ng	447990	6	15.42	705347	20.0