LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

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-BF100516.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	4.006	140	146	148	rBV2	150065	269489	1.04%	0.097%
2	5.034	234	236	238	rVB	224247	289206	1.12%	0.105%
3	5.114	238	243	246	rBV3	368843	959585	3.71%	0.347%
4	5.183	246	249	252	rVB2	977201	1420459	5.50%	0.513%
5	5.389	264	267	269	rBV	906924	1065260	4.12%	0.385%
6	5.480	272	275	278	rBV2	424856	766350	2.97%	0.277%
7	5.594	278	285	287	rBV2	3554354	5483095	21.23%	1.982%
8	5.674	290	292	295	rVB	379940	356512	1.38%	0.129%
9	5.754	297	299	301	rBV2	761960	1184869	4.59%	0.428%
10	5.800	301	303	304	rVB	954476	723869	2.80%	0.262%
11	5.846	304	307	310	rVB4	647102	1274716	4.94%	0.461%
12	5.914	310	313	315	rVB3	298430	366471	1.42%	0.132%
13	6.006	317	321	323	rBV2	1344110	2370010	9.18%	0.857%
14	6.063	323	326	330	rBV2	983061	2019934	7.82%	0.730%
15	6.143	330	333	336	rVB2	1980002	3070407	11.89%	1.110%
16	6.189	336	337	339	rBV2	855001	1243018	4.81%	0.449%
17	6.246	339	342	345	rBV2	4332332	7246013	28.05%	2.619%
18	6.303	345	347	348	rVV	1742389	2207373	8.55%	0.798%
19	6.337	348	350	351	rVV2	404970	555936	2.15%	0.201%
20	6.429	356	358	361	rBV2	2976843	5796269	22.44%	2.095%
21	6.497	361	364	365	rVB2	2769572	3378717	13.08%	1.221%
22	6.532	365	367	370	rBV3	2784100	5366037	20.77%	1.940%
23	6.589	370	372	373	rBV	878581	978727	3.79%	0.354%
24	6.623	373	375	376	rBV	3817596	3927231	15.20%	1.419%
25	6.669	376	379	380	rBV2	1483690	1946732	7.54%	0.704%
26	6.760	383	387	392	rBV3	5202183	13532057	52.39%	4.891%
27	6.852	392	395	397	rBV4	1994094	3842124	14.87%	1.389%
28	6.886	397	398	399	rBV	676554	669424	2.59%	0.242%
29	6.966	399	405	406	rBV4	2477248	8185084	31.69%	2.958%
30	7.023	406	410	412	rVB2	5141954	9753068	37.76%	3.525%
31	7.057	412	413	415	rVB	2175644	2771522	10.73%	1.002%
32	7.126	415	419	420	rBV4	2327059	5860930	22.69%	2.118%
33	7.149	420	421	427	rVB3	6284660	15090238	58.42%	5.454%
34	7.252	427	430	431	rBV3	3553546	6523514	25.26%	2.358%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

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-BF100516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.286	431	433	434	rVB	3007825	3976884	15.40%	1.437%
36	7.320	434	436	438	rBV2	1775906	2177934	8.43%	0.787%
37	7.400	440	443	449	rVB5	3778701	8618605	33.37%	3.115%
38	7.549	452	456	458	rBV2	7857946	18716871	72.46%	6.765%
39	7.652	463	465	467	rBV2	4393265	7323937	28.35%	2.647%
40	7.720	467	471	473	rBV2	2127952	5346422	20.70%	1.932%
41	7.789	474	477	478	rBV3	2820233	5495220	21.27%	1.986%
42	7.937	484	490	497	rBV7	4802059	25830103	100.00%	9.336%
43	8.040	497	499	504	rVB3	3202885	8391428	32.49%	3.033%
44	8.120	504	506	509	rBV2	1709530	4184746	16.20%	1.513%
45	8.166	509	510	512	rBV	1480009	2525713	9.78%	0.913%
46	9.858	655	658	659	rBV2	2617752	6353403	24.60%	2.296%
47	10.761	736	737	738	rBV	2462343	3355728	12.99%	1.213%
48	11.081	760	765	766	rBV5	3000859	9869968	38.21%	3.567%
49	12.075	850	852	853	rBV	1968184	2428414	9.40%	0.878%
50	12.544	891	893	897	rVB3	2846708	5588318	21.63%	2.020%
51	12.624	897	900	901	rBV	3331960	4689250	18.15%	1.695%
52	12.784	912	914	916	rVB	2584532	2568276	9.94%	0.928%
53	12.932	925	927	931	rVV3	1424257	2832689	10.97%	1.024%
54	13.001	931	933	936	rVV3	1851250	4037678	15.63%	1.459%
55	13.058	936	938	940	rVB2	2262763	2415967	9.35%	0.873%
56	13.138	943	945	946	rVB	3138378	2918320	11.30%	1.055%
57	13.389	965	967	969	rBV2	883537	1348488	5.22%	0.487%
58	14.189	1034	1037	1038	rBV3	2129348	3504593	13.57%	1.267%
59	15.252	1128	1130	1134	rVB	1827817	3937685	15.24%	1.423%
60	15.572	1155	1158	1161	rBV	1077012	2192677	8.49%	0.793%
61	15.630	1161	1163	1167	rVB	1552060	2593369	10.04%	0.937%
62	15.698	1167	1169	1170	rBV	814577	1088715	4.21%	0.394%
63	17.218	1300	1302	1306	rVB2	948308	1860110	7.20%	0.672%

Sum of corrected areas: 276665757

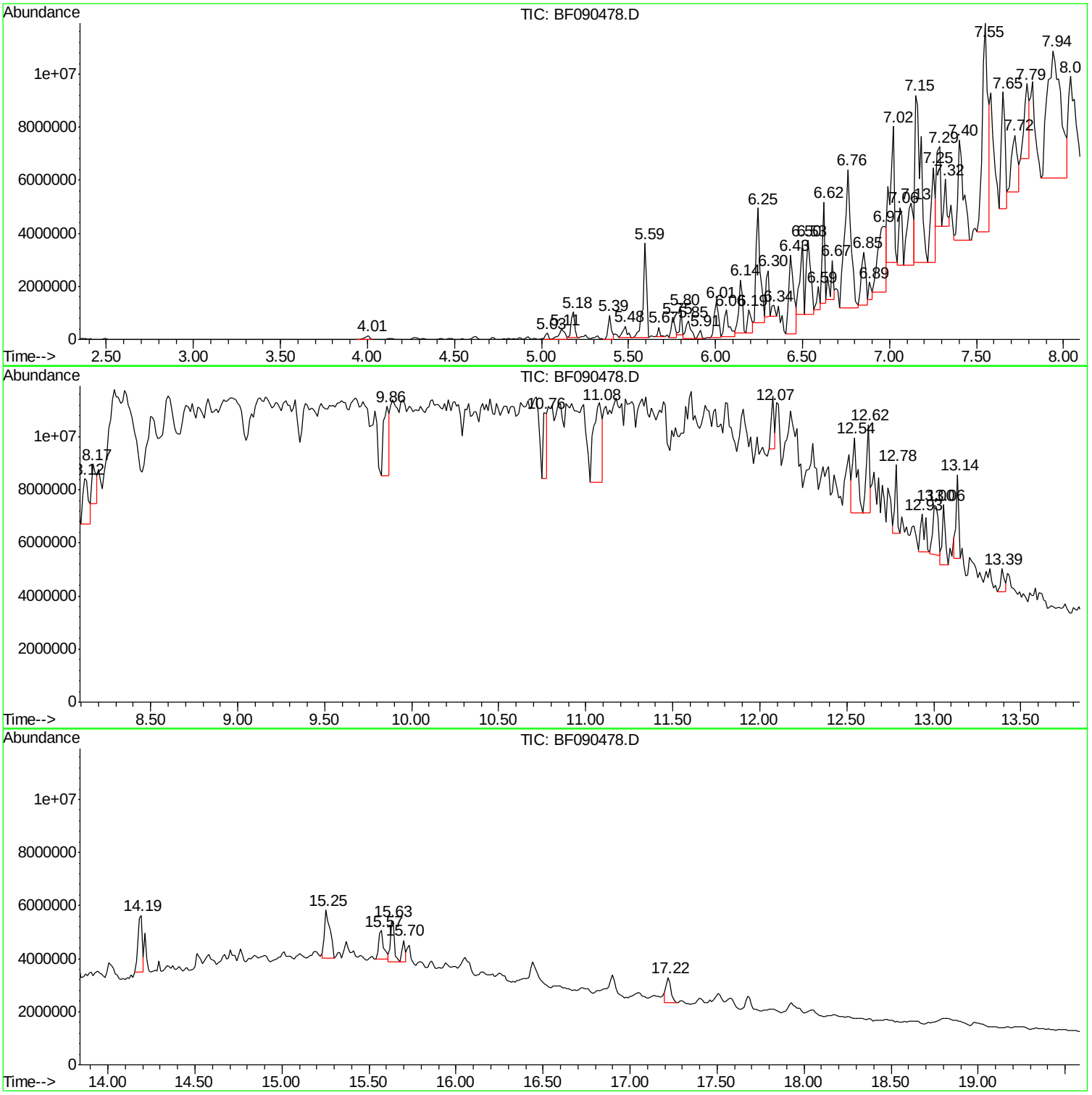
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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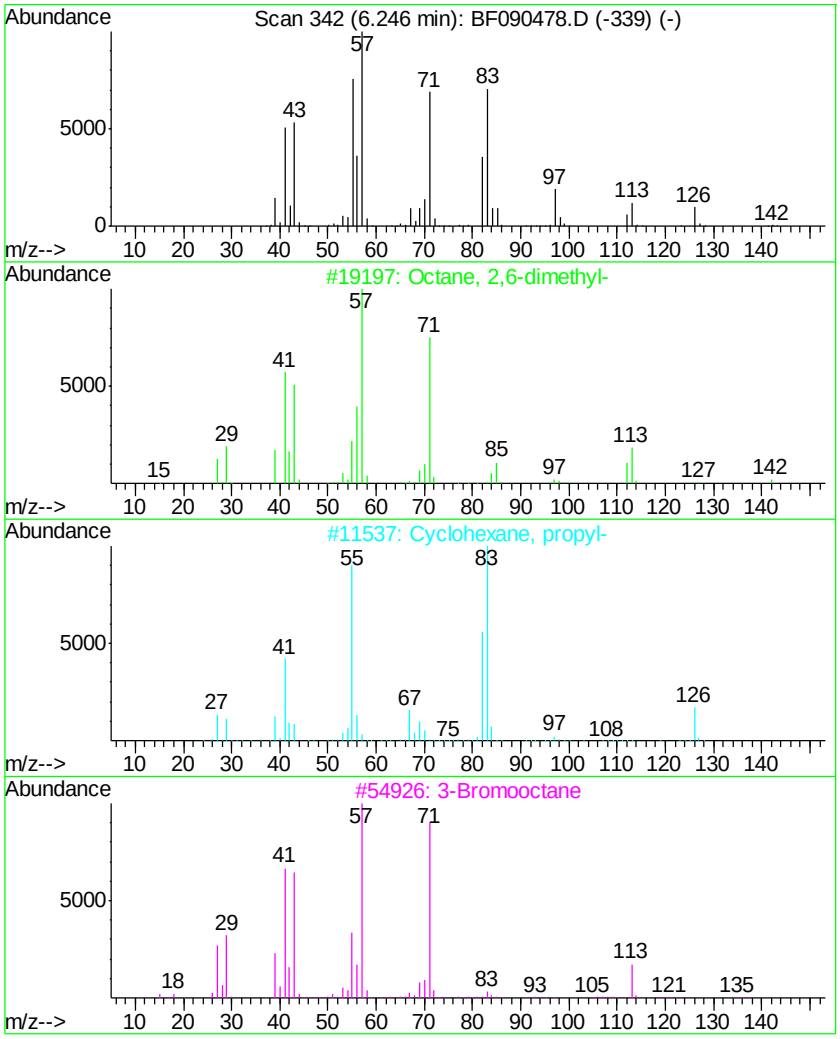
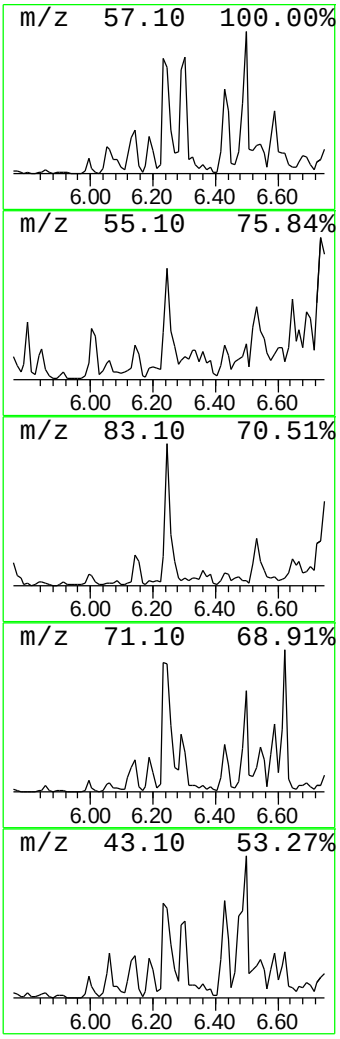
Peak Number 1 unknown6.25 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.25	14.86 ng	7246010	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	42
3	3-Bromooctane	192	C8H17Br	000999-64-4	30
4	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	27
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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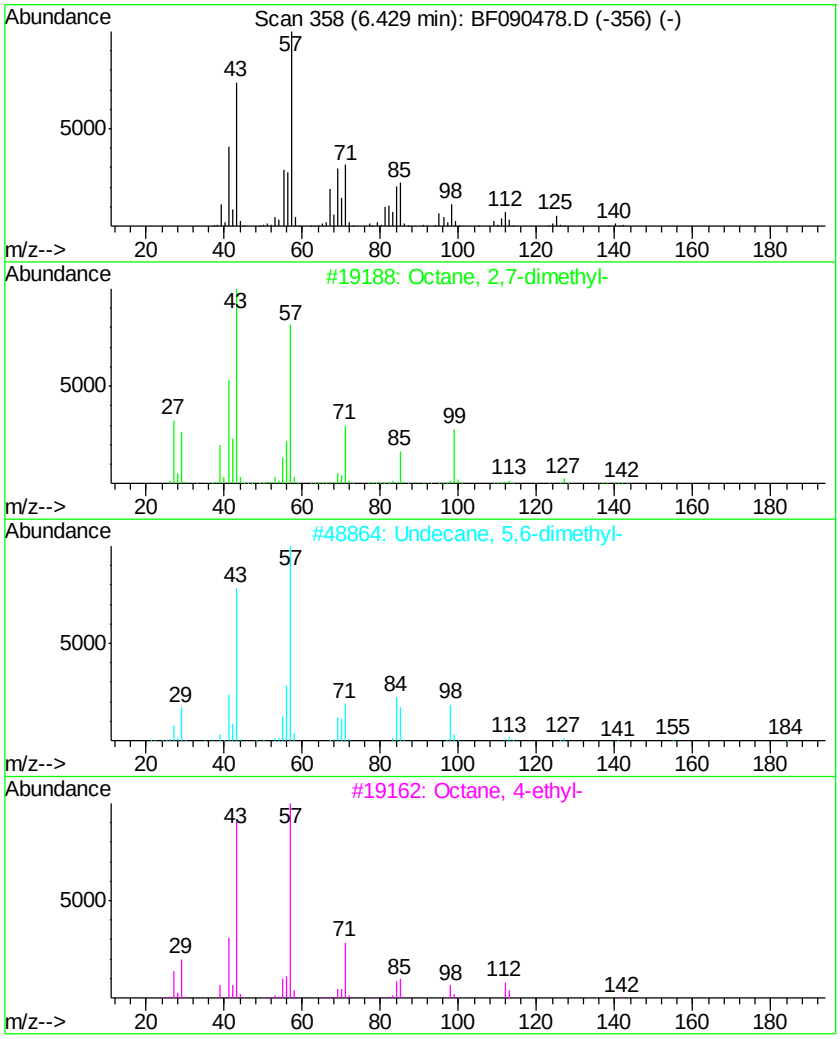
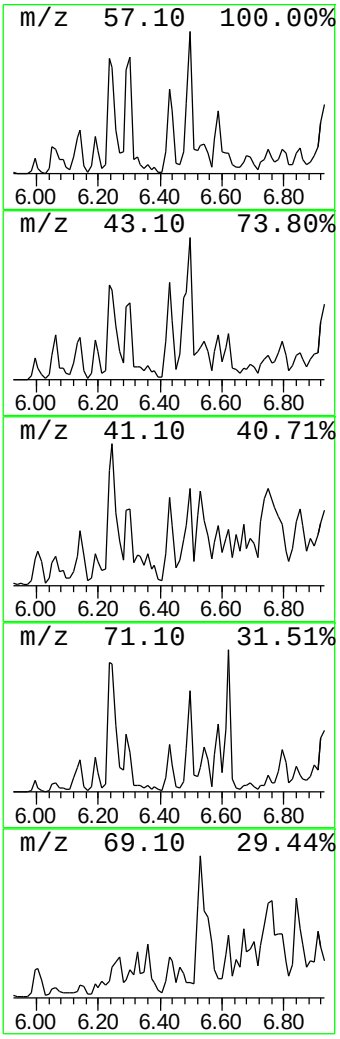
Peak Number 2 unknown6.43 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	11.89 ng	5796270	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	47
2	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	47
3	Octane, 4-ethyl-	142	C10H22	015869-86-0	46
4	Decane	142	C10H22	000124-18-5	43
5	Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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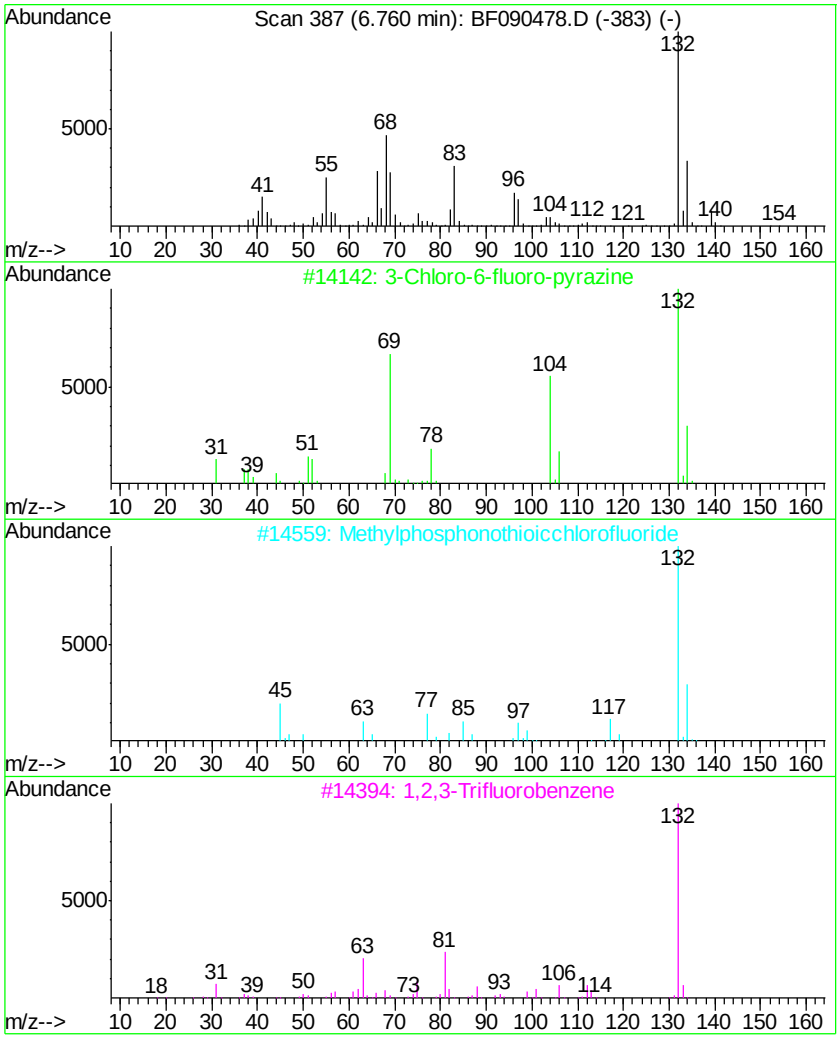
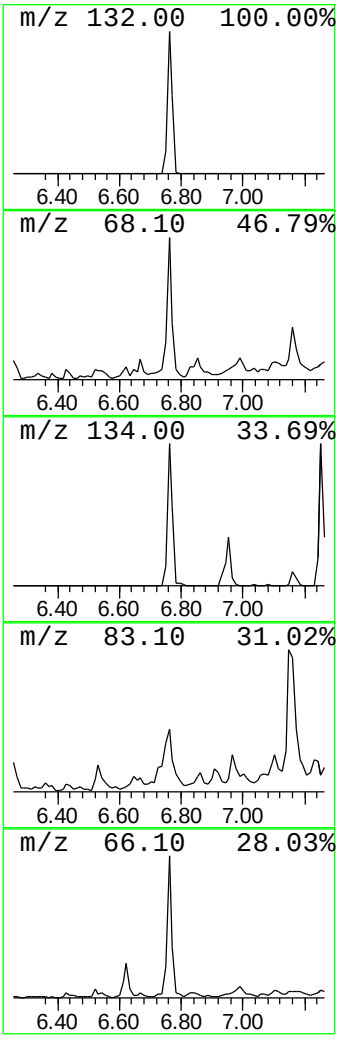
Peak Number 3 unknown6.76 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	27.75 ng	13532100	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	22
2	Methylphosphonothioicchlorofluoride	132	CH3ClFPS	027127-27-1	22
3	1,2,3-Trifluorobenzene	132	C6H3F3	001489-53-8	9
4	Xenon	132	Xe	007440-63-3	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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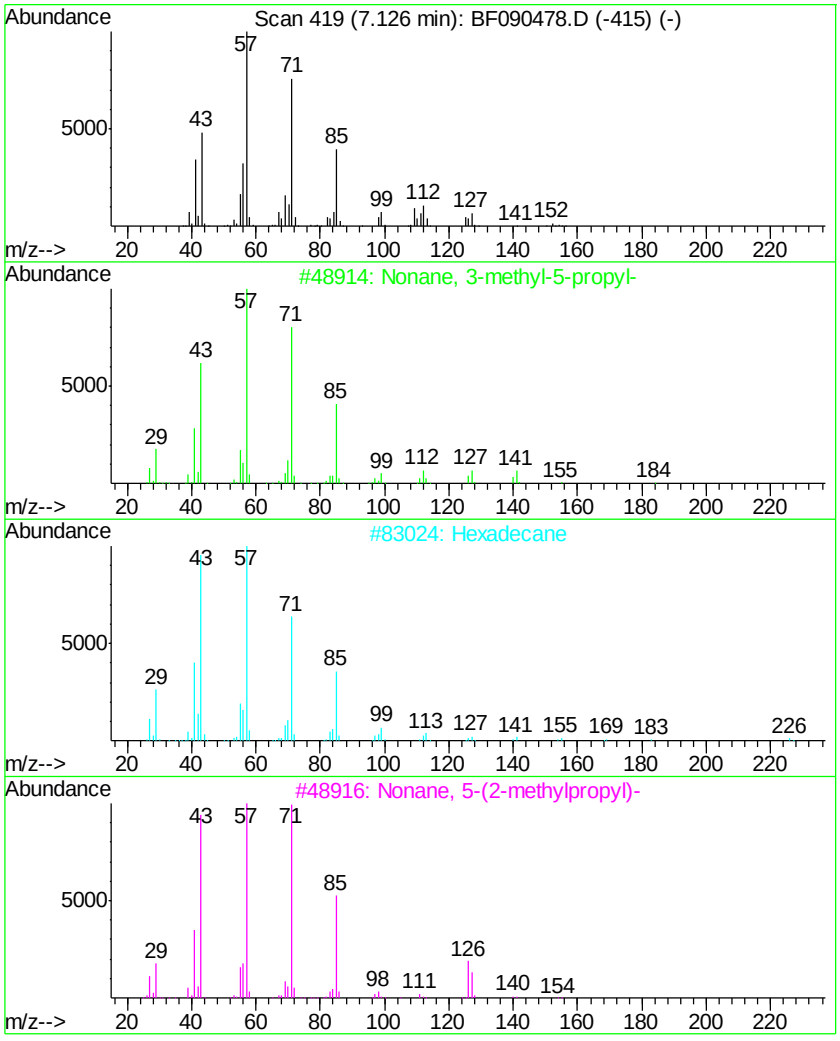
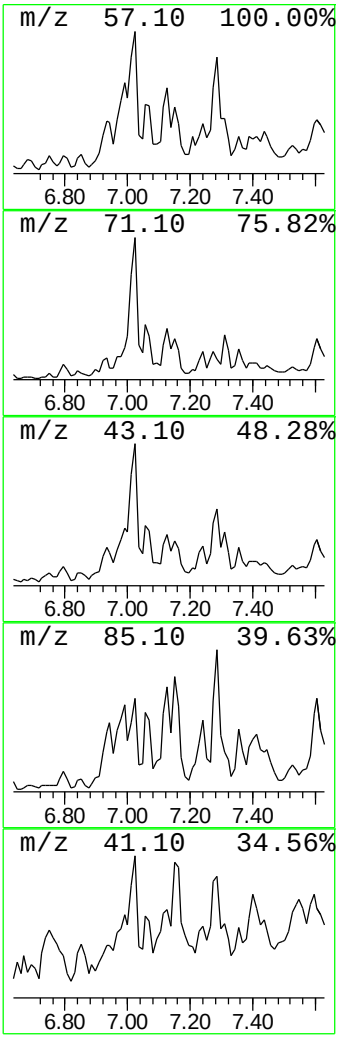
Peak Number 4 Nonane, 3-methyl-5-propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	12.02 ng	5860930	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	80
2	Hexadecane	226	C16H34	000544-76-3	64
3	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	59
4	Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	52
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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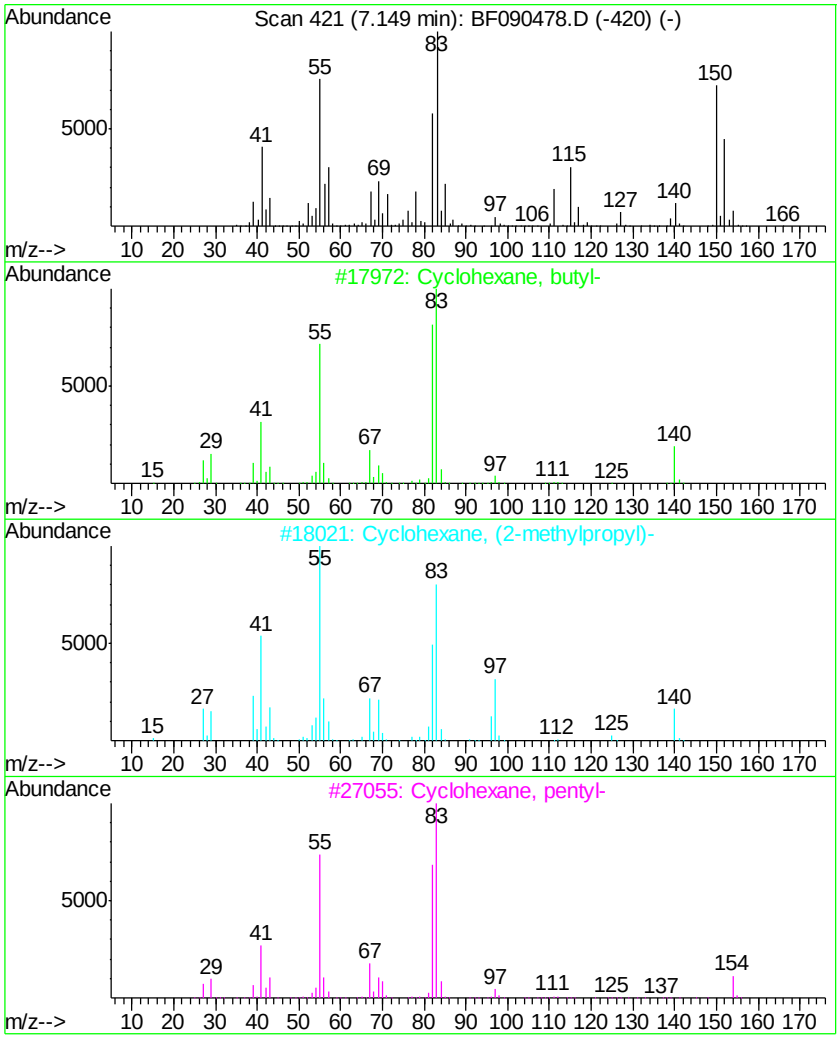
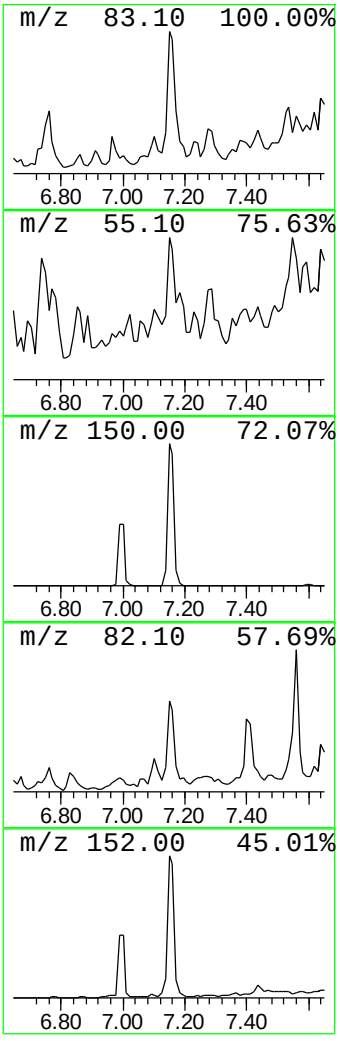
Peak Number 5 unknown7.15 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	30.94 ng	15090200	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	46
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	42
4	1,2-Dichlorobenzene-D4	150	C6D4Cl2	002199-69-1	38
5	1,4-Dichlorobenzene-D4	150	C6D4Cl2	003855-82-1	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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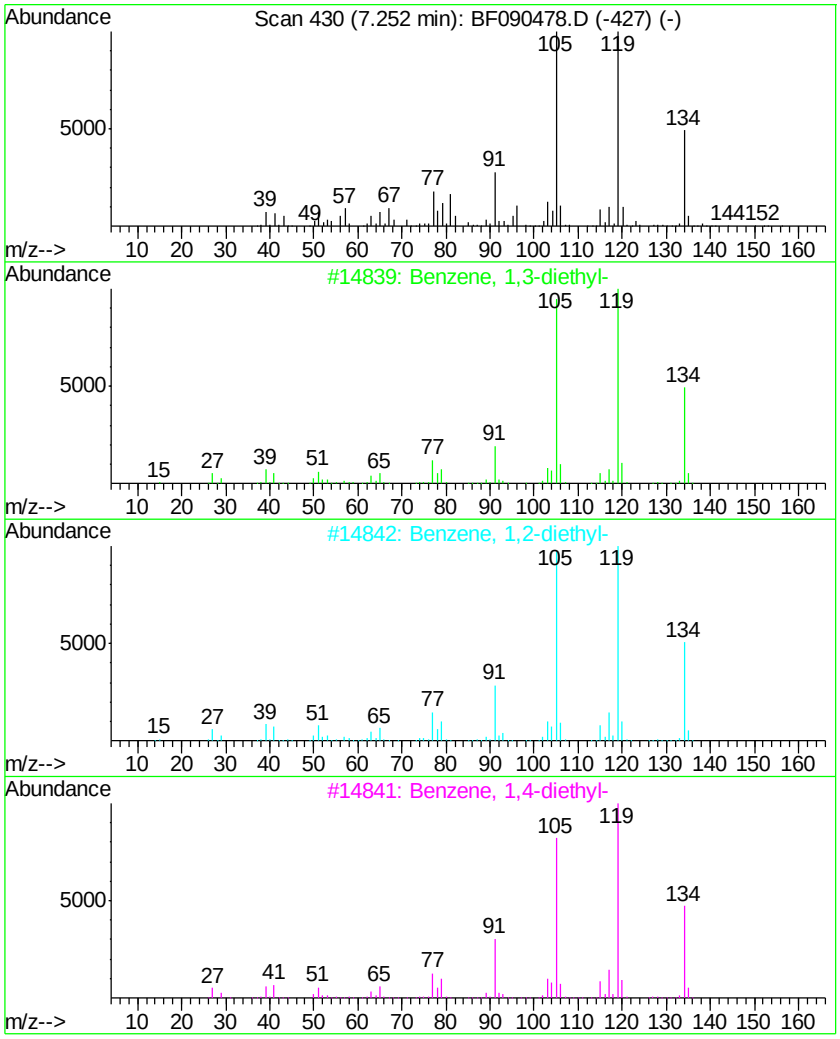
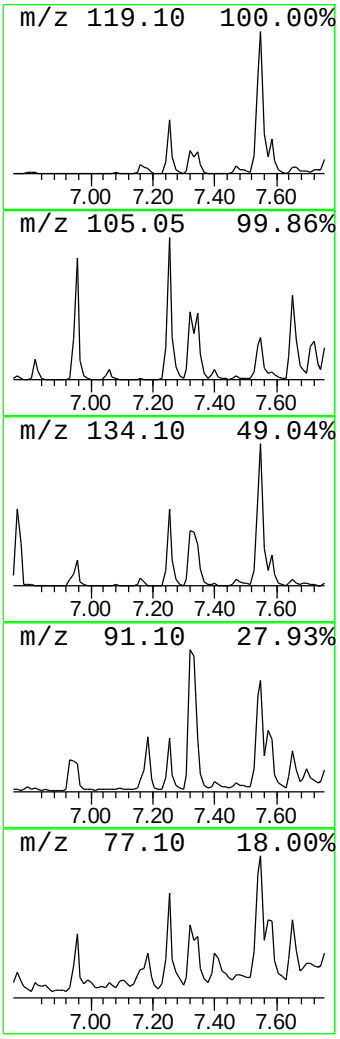
Peak Number 6 Benzene, 1,3-diethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	13.38 ng	6523510	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

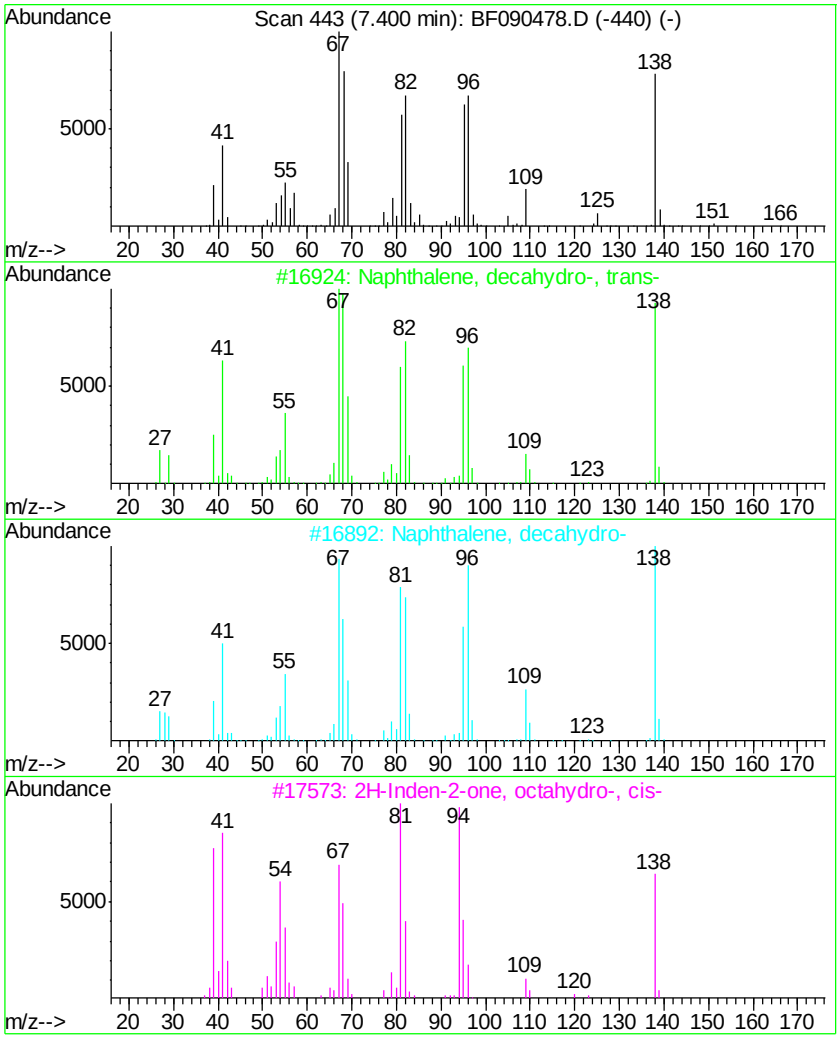
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

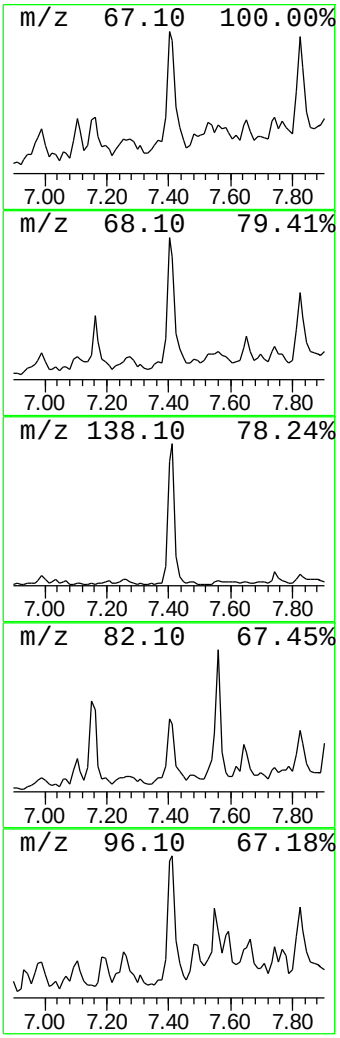
****

Peak Number 7 Naphthalene, decahydro-, tr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	17.67 ng	8618610	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	97
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3	2H-Inden-2-one, octahydro-, cis-	138	C9H14O	005689-04-3	86
4	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	80
5	Cyclopentene, 1-(3-methylbutyl)-	138	C10H18	037689-15-9	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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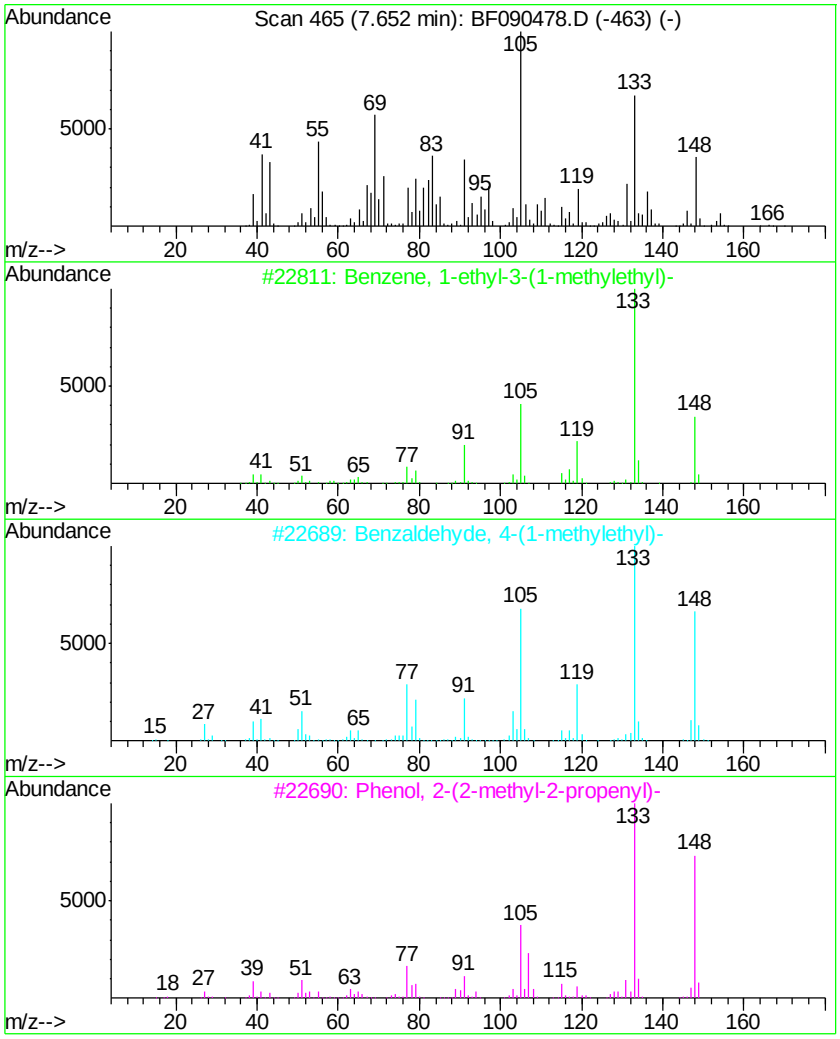
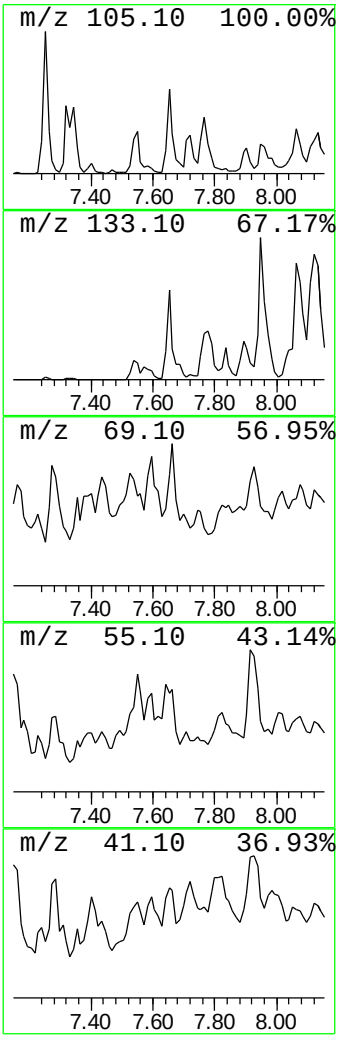
Peak Number 8 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	58.00 ng	7323940	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	90
2	Benzaldehyde, 4-(1-methylethyl)-	148	C10H12O	000122-03-2	55
3	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	46
4	Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	43
5	Propanal, 2-methyl-3-phenyl-	148	C10H12O	1000131-87-6	43





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Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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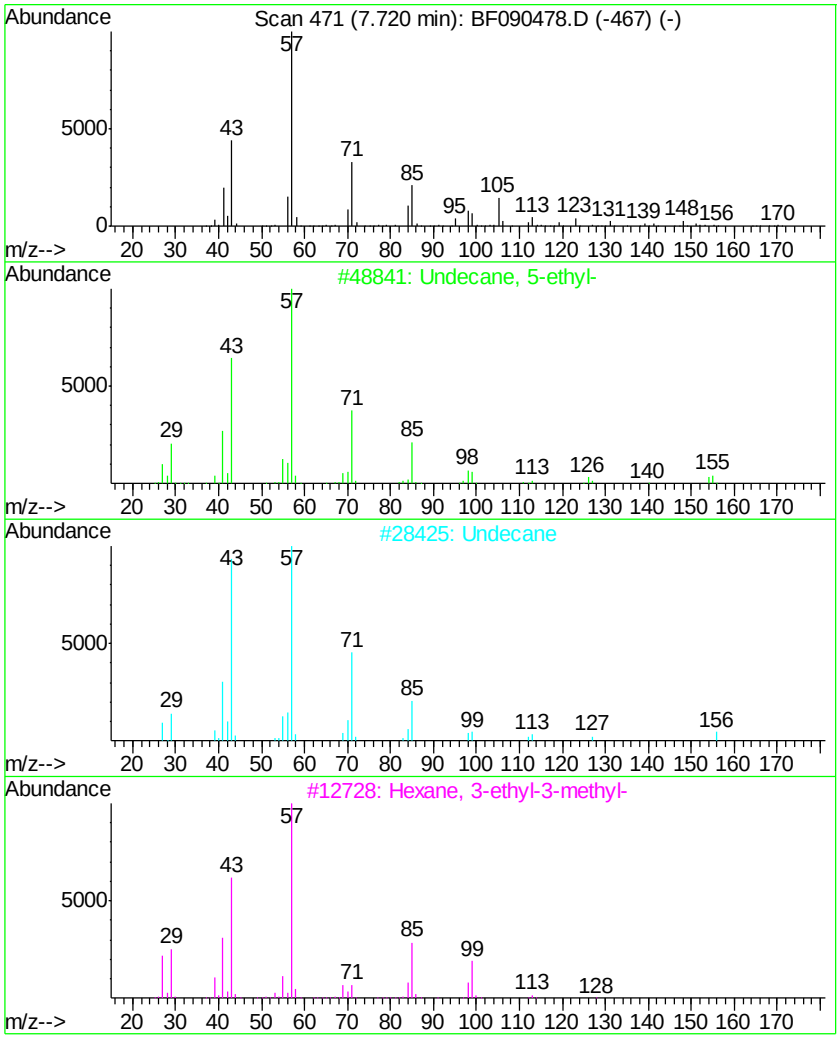
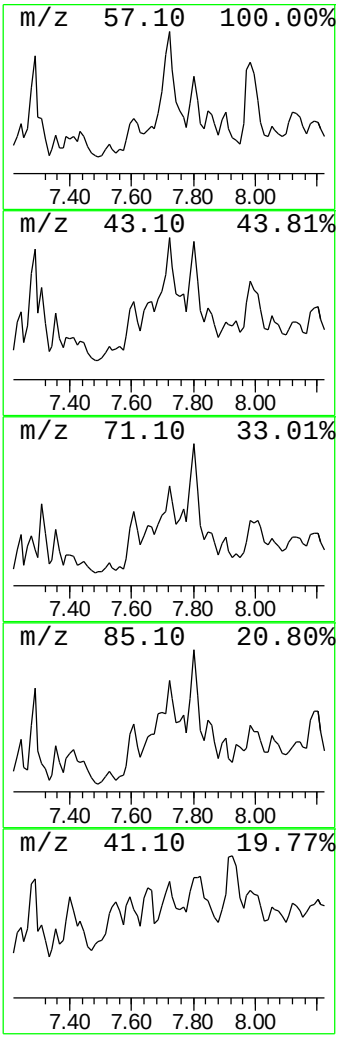
Peak Number 9 Undecane, 5-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	42.34 ng	5346420	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-ethyl-	184	C13H28	017453-94-0	53
2	Undecane	156	C11H24	001120-21-4	47
3	Hexane, 3-ethyl-3-methyl-	128	C9H20	003074-76-8	47
4	Tetracosane	338	C24H50	000646-31-1	47
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	47





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Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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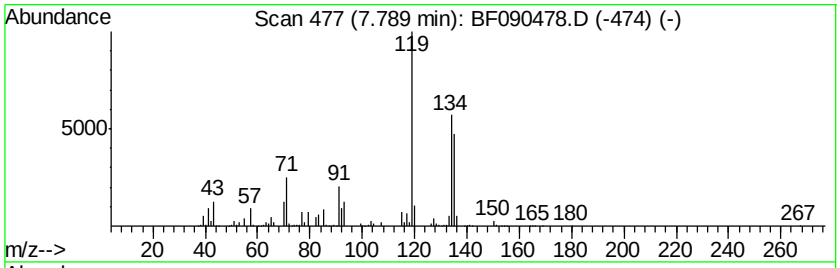
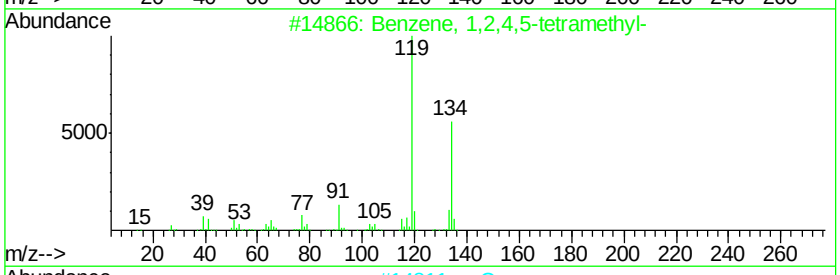
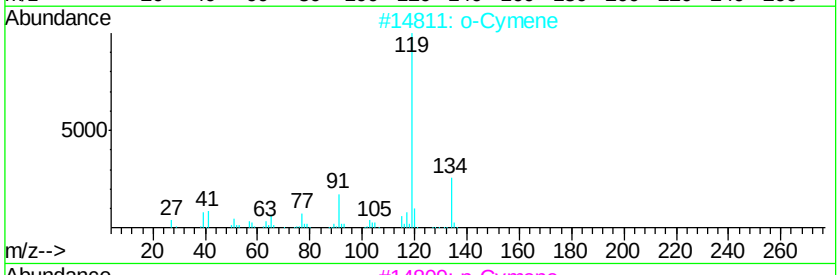
Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

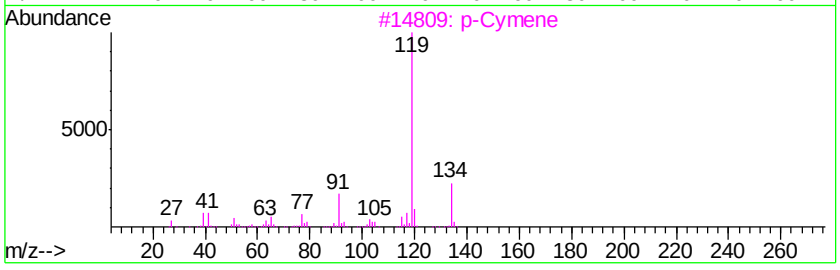
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	43.51 ng	5495220	Naphthalene-d8	8.29

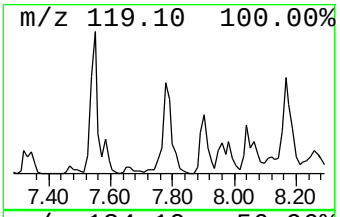
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
2	o-Cymene	134	C10H14	000527-84-4	64
3	p-Cymene	134	C10H14	000099-87-6	64
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60

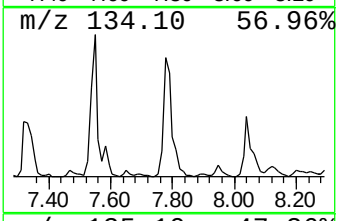


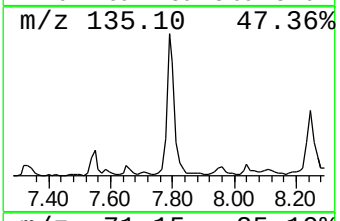


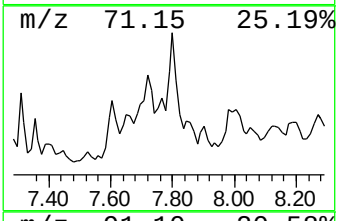


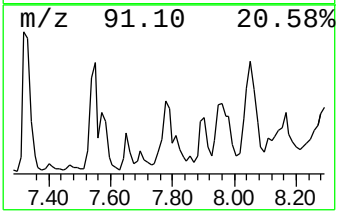












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Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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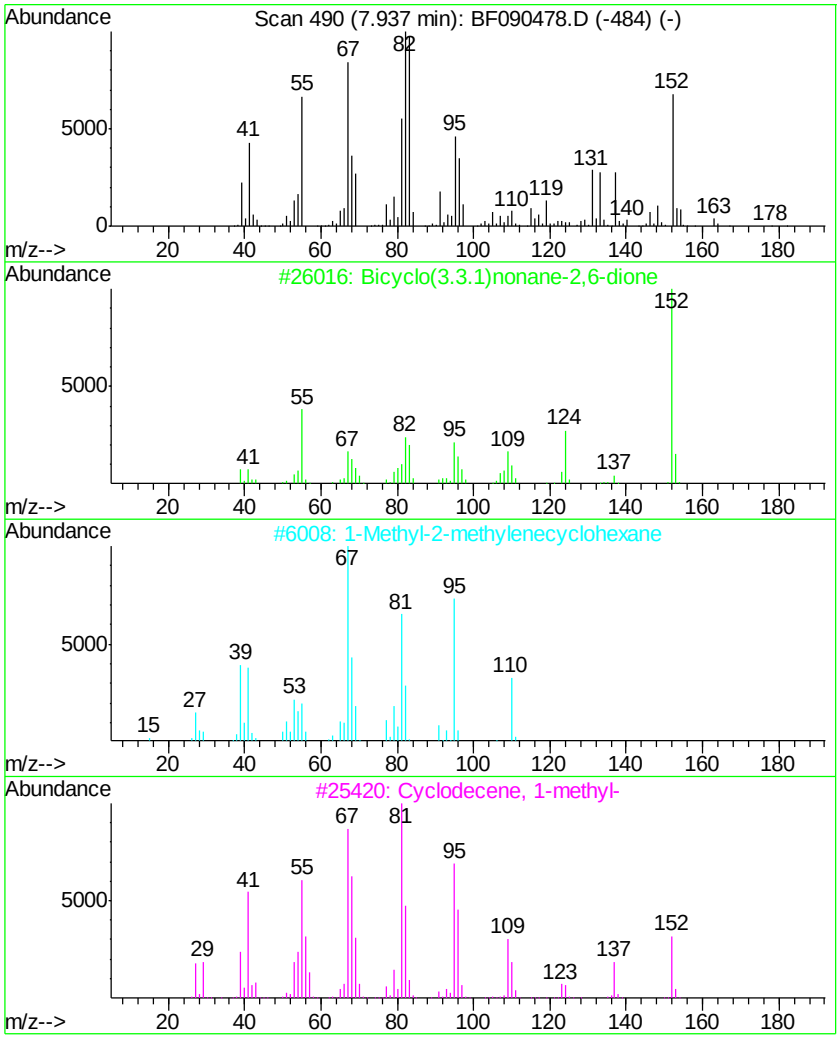
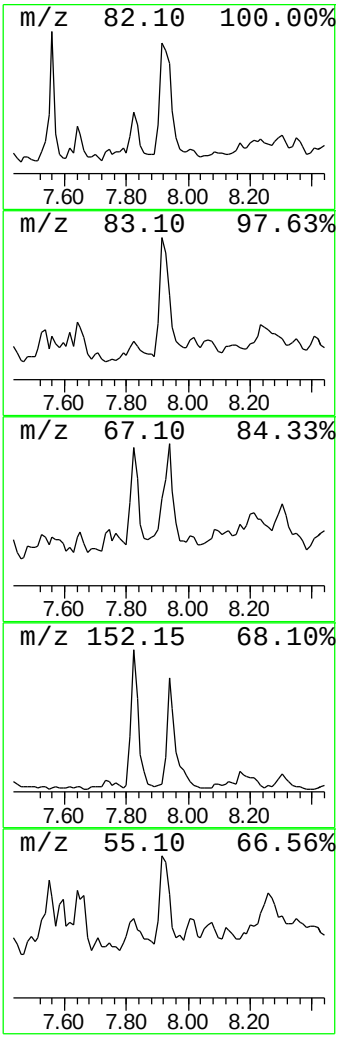
Peak Number 11 Bicyclo(3.3.1)nonane-2,6-dione Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	204.54 ng	25830100	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo(3.3.1)nonane-2,6-dione	152	C9H12O2	016473-11-3	53
2	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	35
3	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	35
4	Bicyclo[5.4.0]undecane (trans)	152	C11H20	021394-30-9	30
5	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	30





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Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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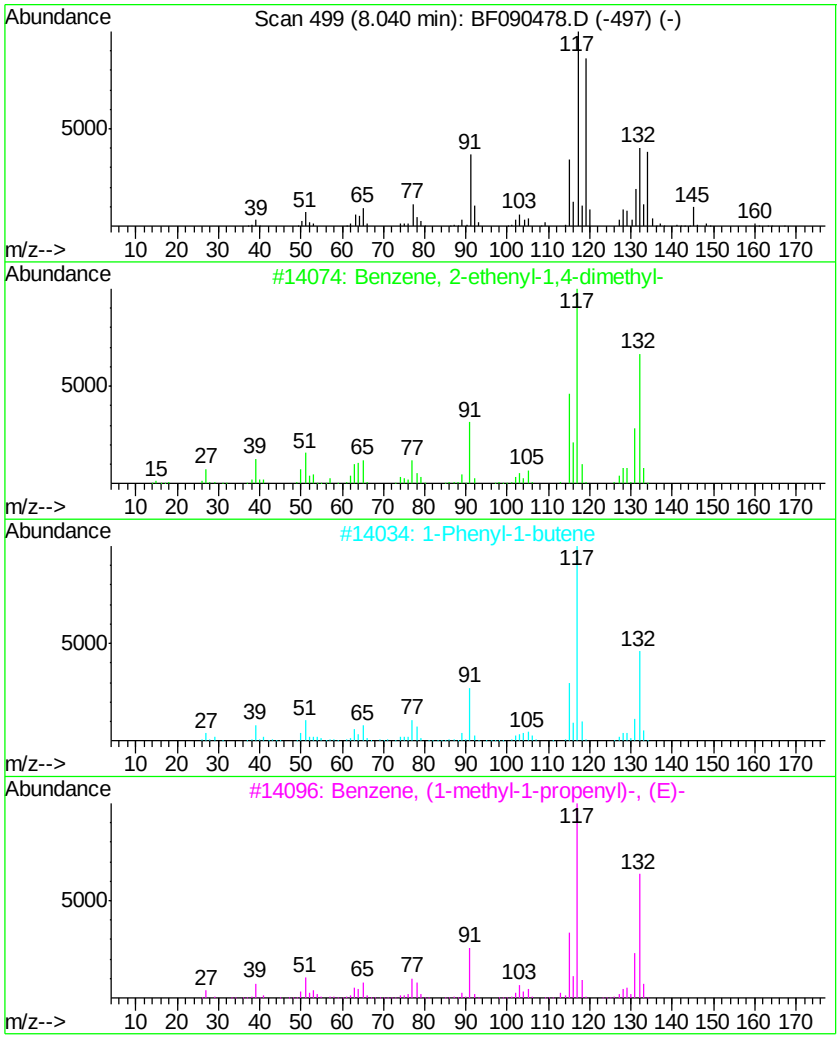
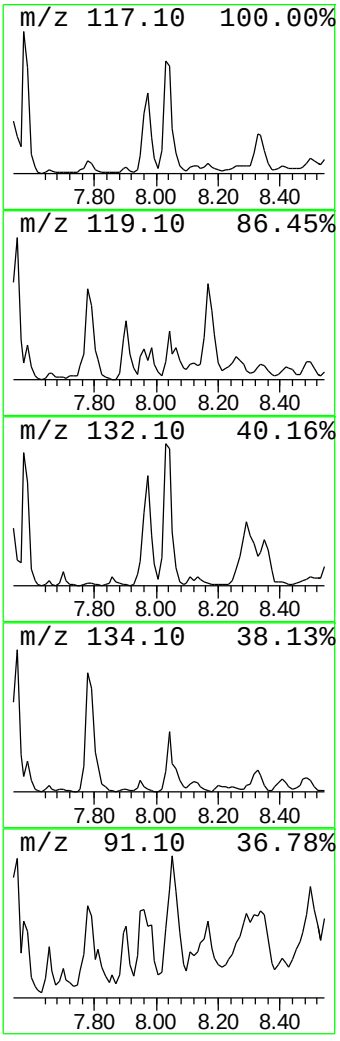
Peak Number 12 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	66.45 ng	8391430	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	55
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	55
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	55





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Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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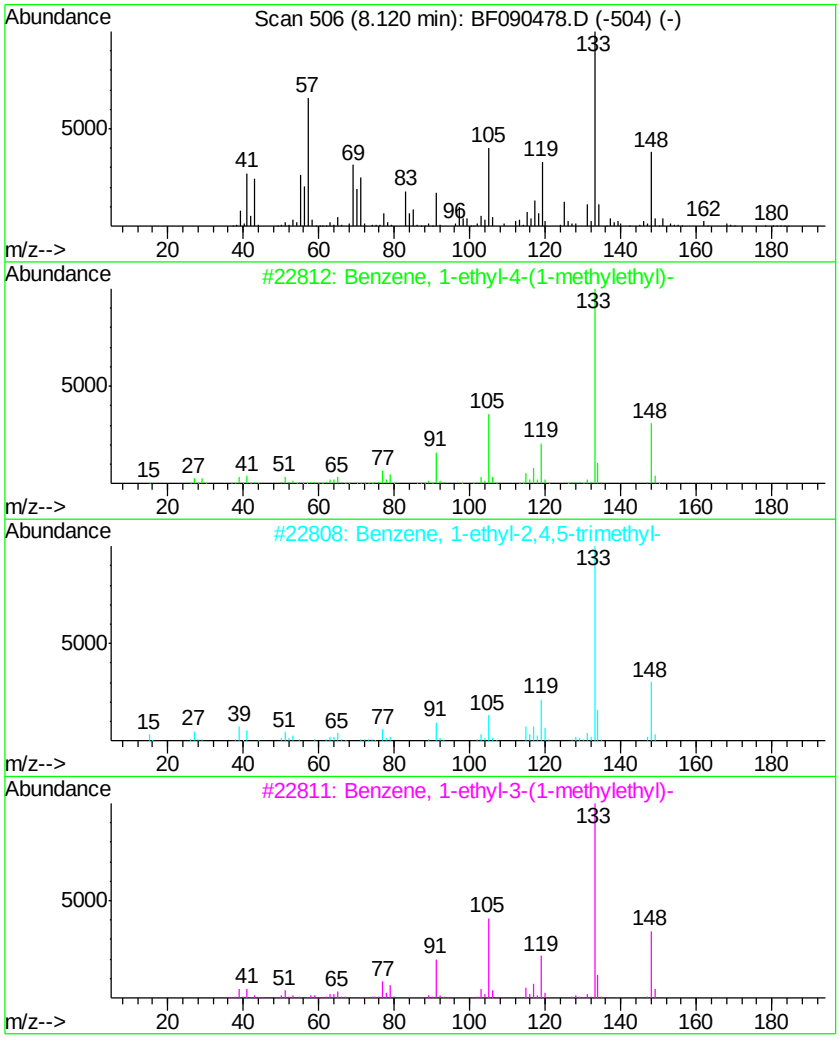
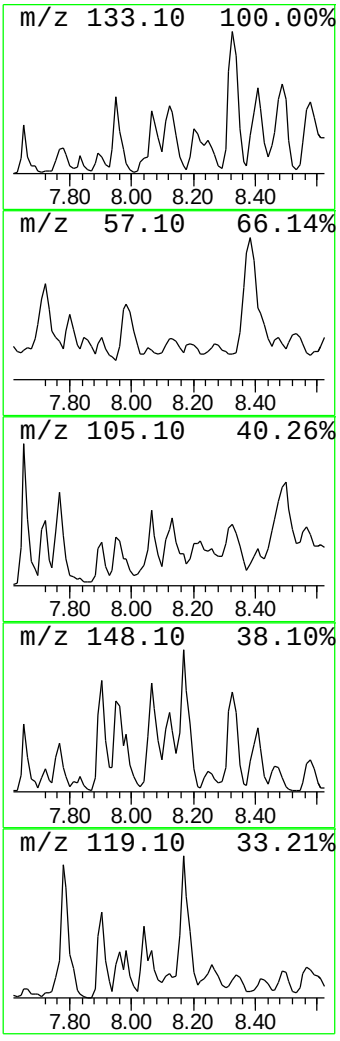
Peak Number 13 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	33.14 ng	4184750	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	92
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	70
3	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	64
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	53
5	2-tert-Butyltoluene	148	C11H16	001074-92-6	53





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Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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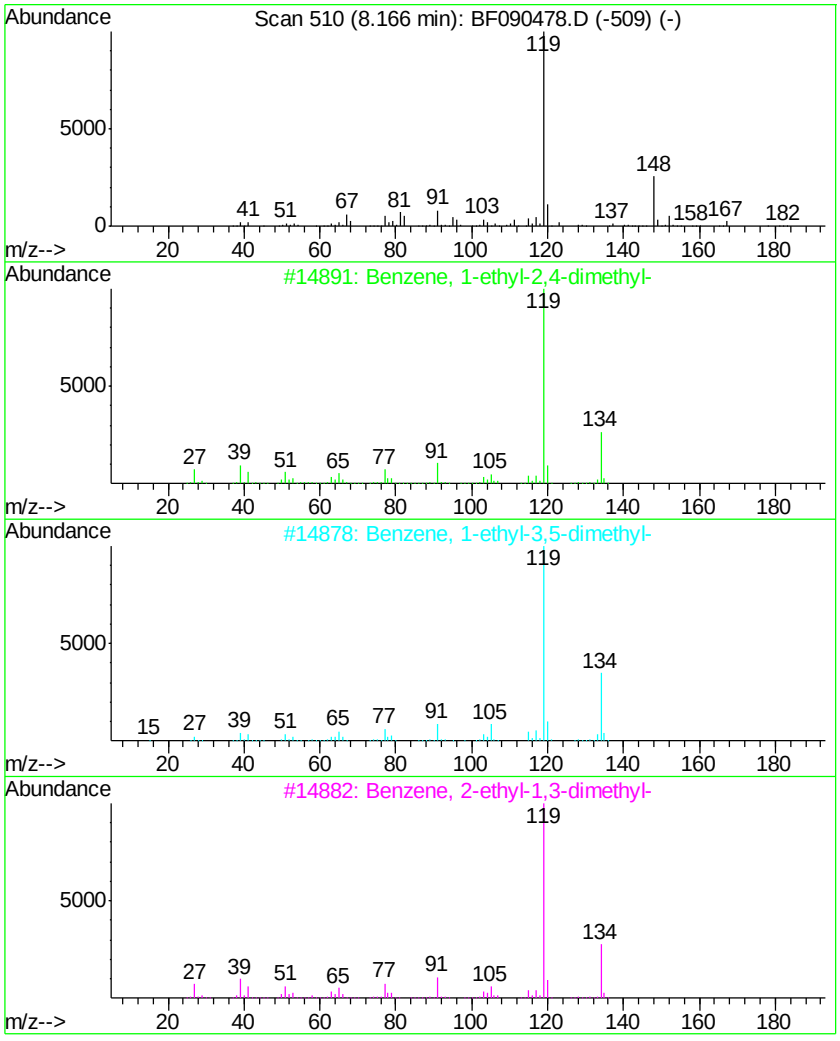
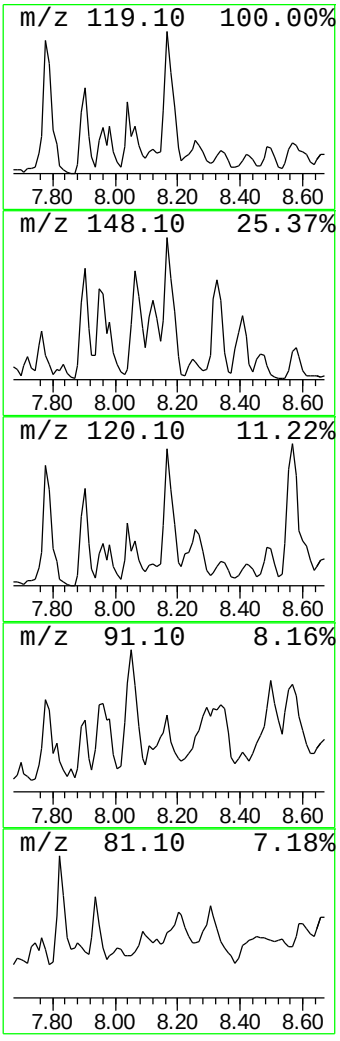
Peak Number 14 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	20.00 ng	2525710	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	53
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	53
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	53
4	p-Toluic acid, 3,5-difluoropheny...	248	C14H10F2O2	1000292-64-0	50
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	43





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Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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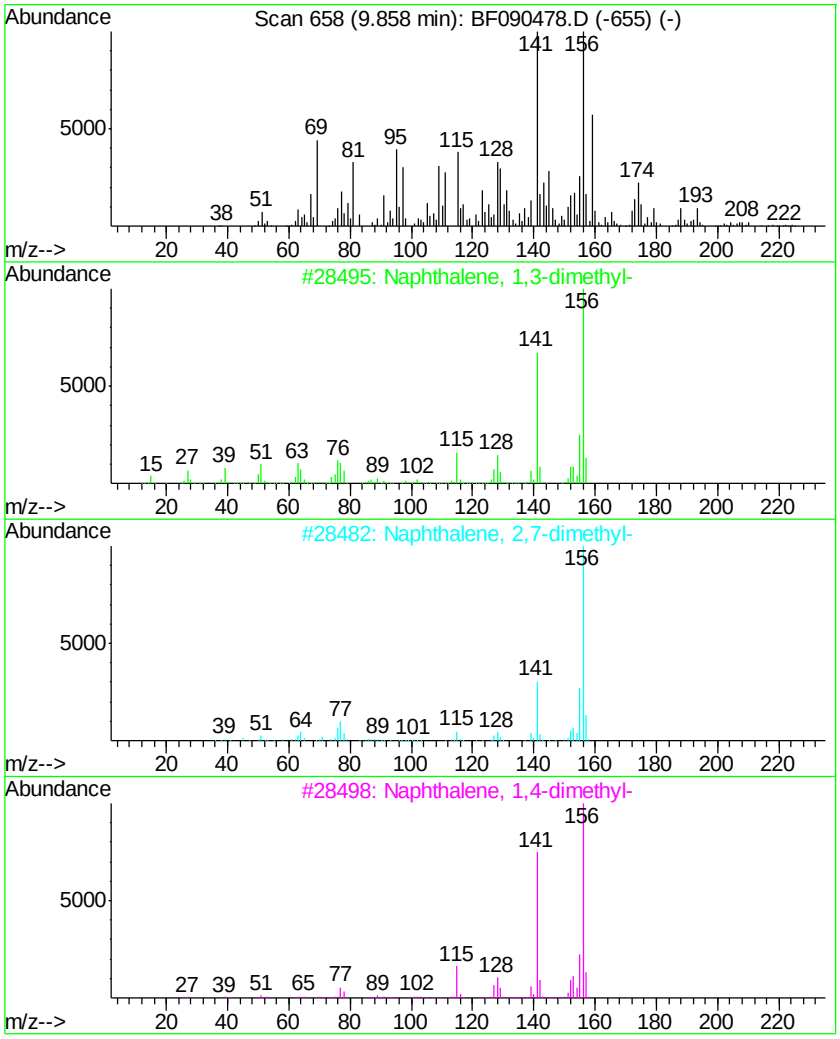
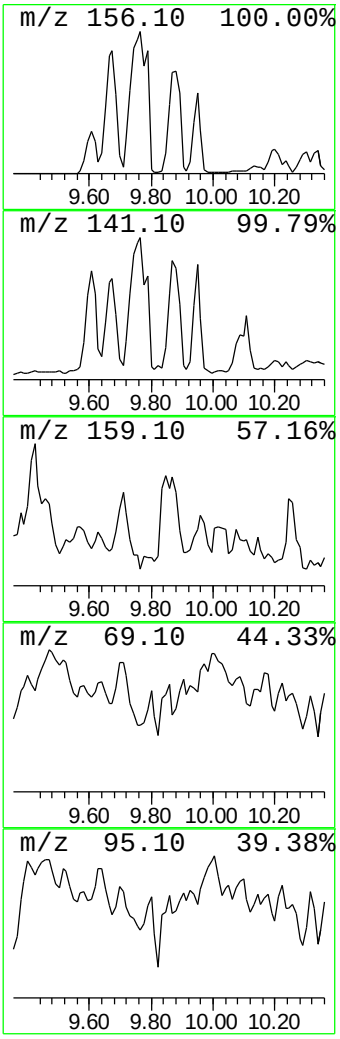
Peak Number 15 Naphthalene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	20.00 ng	6353400	Acenaphthene-d10	10.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	70
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	64
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	55
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	50
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	50





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Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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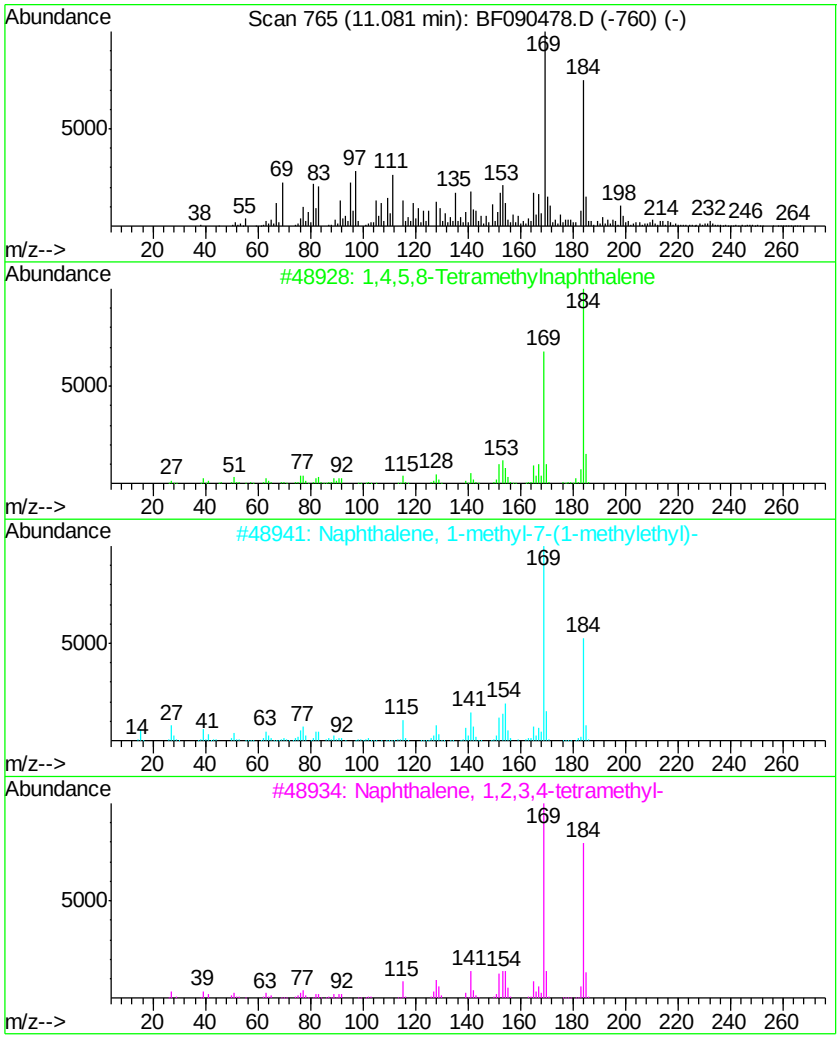
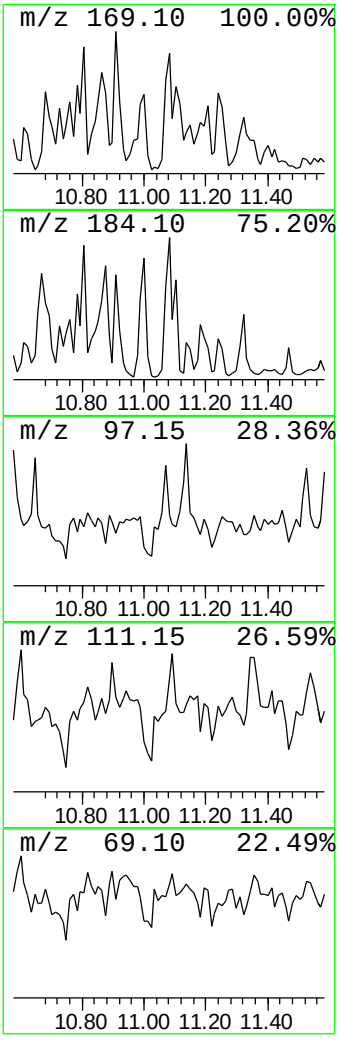
Peak Number 16 1,4,5,8-Tetramethylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	20.00 ng	9869970	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	86
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	86
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	86
4	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	70
5	Phenol, 3,4,5-trimethoxy-	184	C9H12O4	000642-71-7	62





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Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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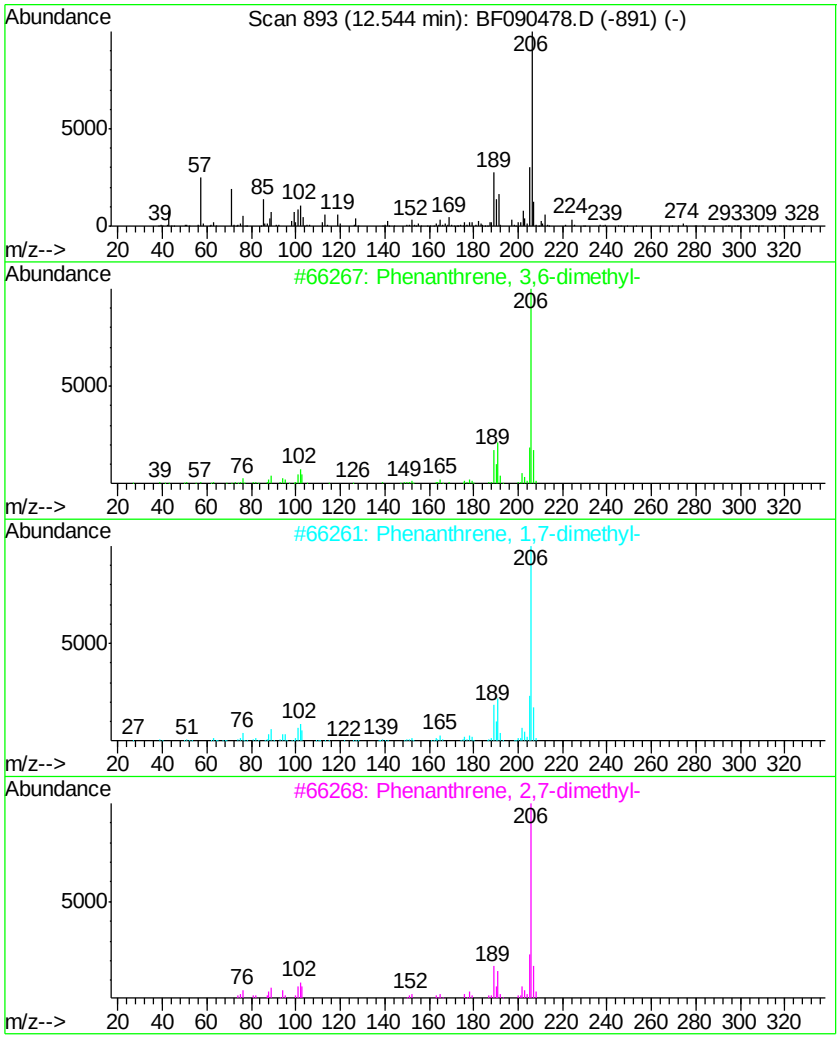
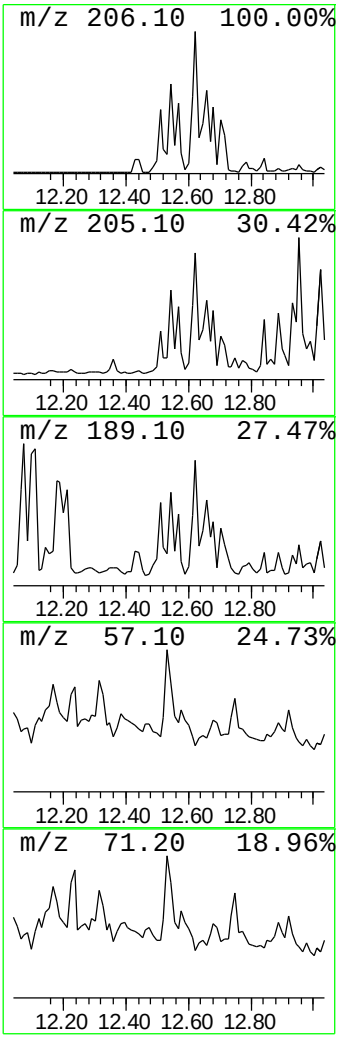
Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	11.32 ng	5588320	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	68
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	64





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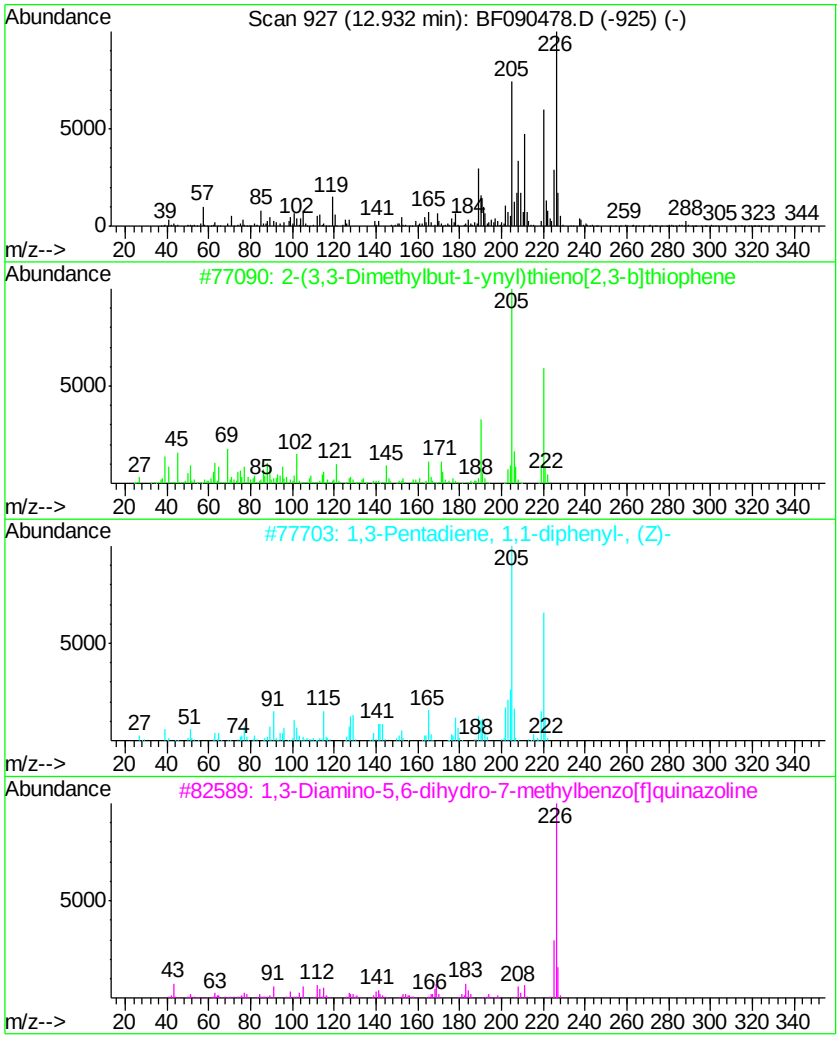
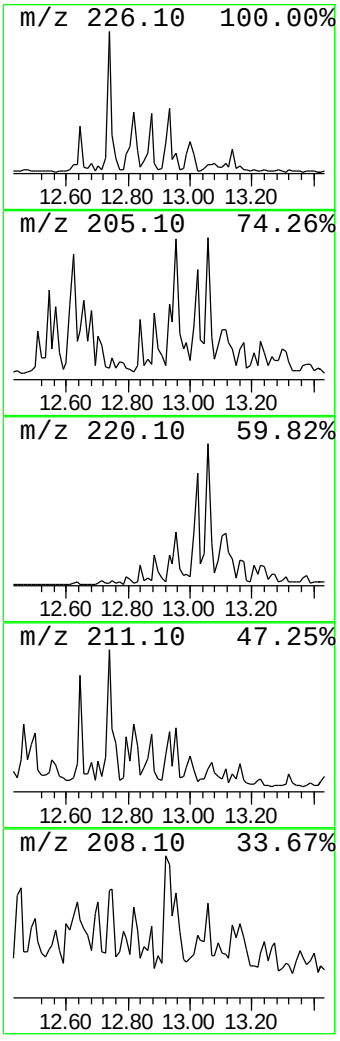
Peak Number 18 unknown12.93 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	16.17 ng	2832690	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(3,3-Dimethylbut-1-ynyl)thieno...	220	C12H12S2	1000250-48-5	38
2	1,3-Pentadiene, 1,1-diphenyl-, (Z)-	220	C17H16	015295-31-5	38
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	35
4	9-Acetylphenanthrene	220	C16H12O	002039-77-2	30
5	Naphthalene, 1,4-bis(methylthio)-	220	C12H12S2	010075-73-7	30





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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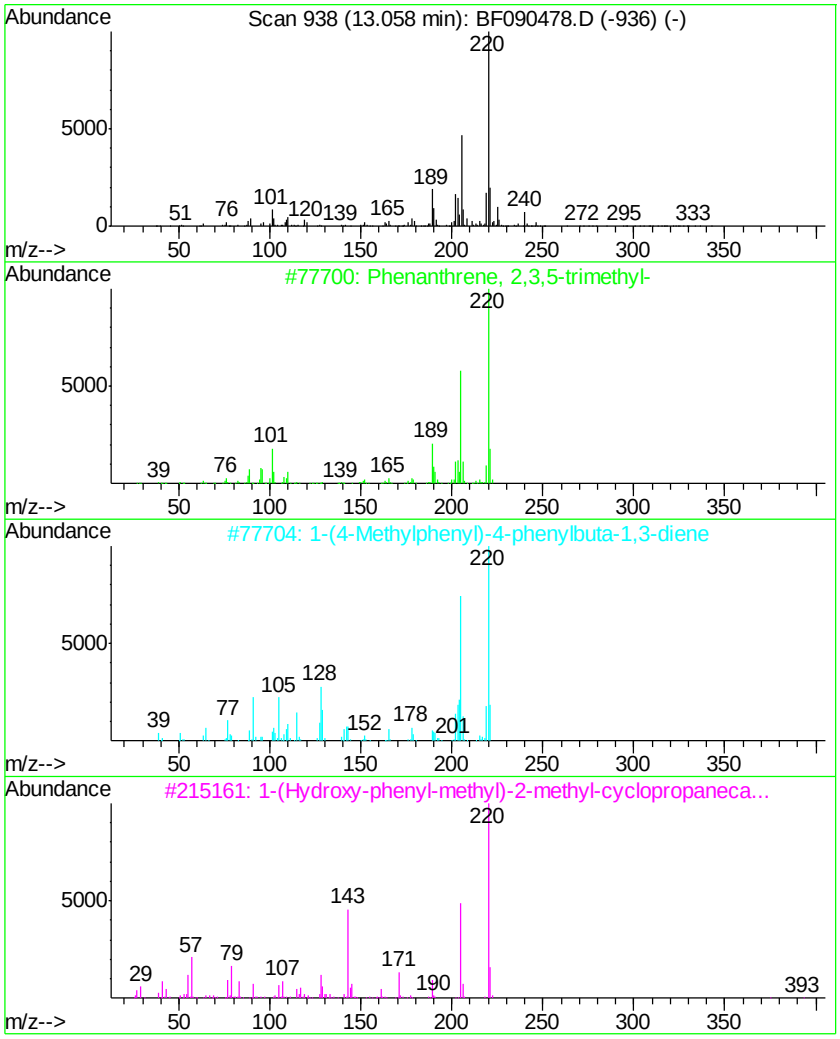
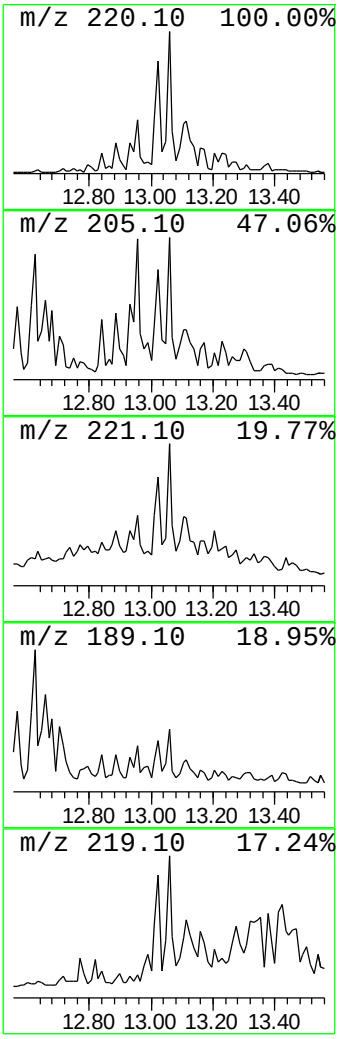
Peak Number 19 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	13.79 ng	2415970	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	91
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	87
3	1-(Hydroxy-phenyl-methyl)-2-meth...	408	C27H36O3	108546-86-7	59
4	Cyclopropanecarboxylic acid, 1-(...	470	C32H38O3	108546-90-3	59
5	Tricyclo[9.2.2.2(4,7)]heptadeca-...	220	C17H16	049576-90-1	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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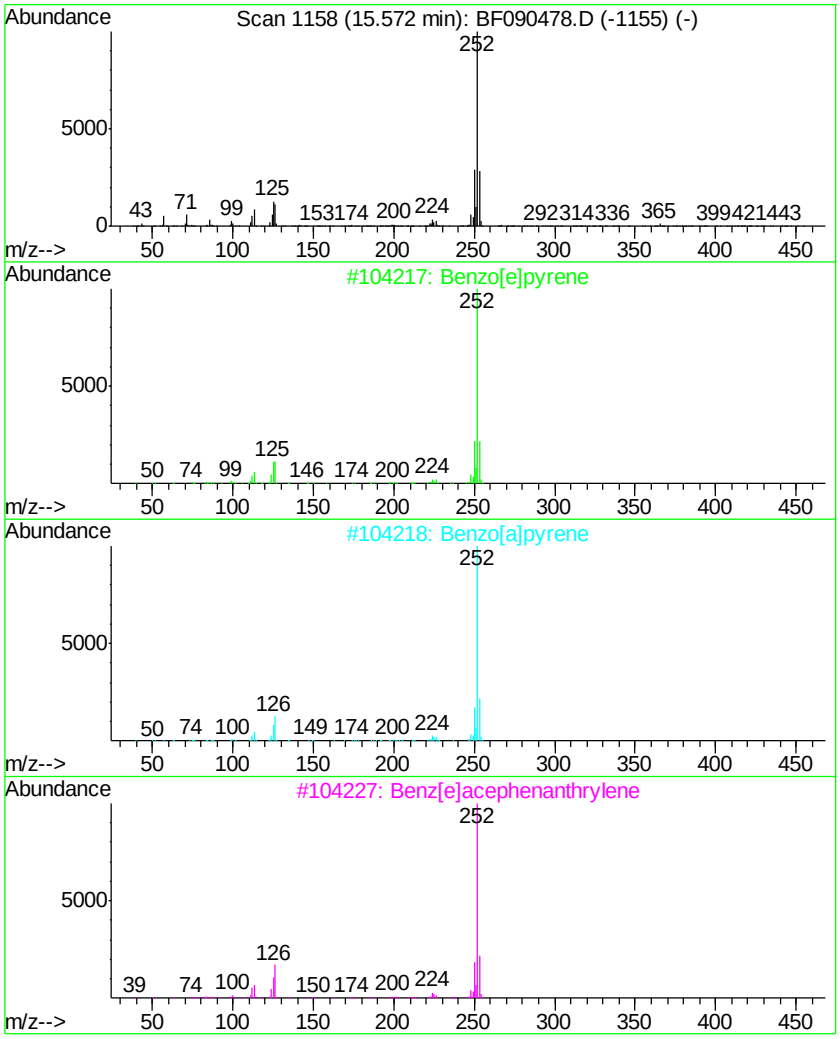
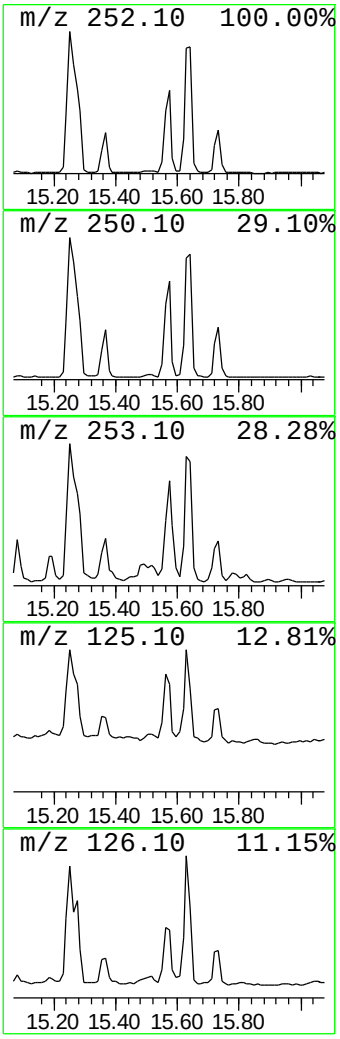
Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	40.28 ng	2192680	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090478.D
Acq On : 8 Oct 2016 10:06
Operator : UM/SJ
Sample : H5134-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-16(6.5-8.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.25	6.25	14.9	ng	7246010	1	7.00	9753070	20.0
unknown6.43	6.43	11.9	ng	5796270	1	7.00	9753070	20.0
unknown6.76	6.76	27.8	ng	13532100	1	7.00	9753070	20.0
Nonane, 3-methyl-...	7.13	12.0	ng	5860930	1	7.00	9753070	20.0
unknown7.15	7.15	30.9	ng	15090200	1	7.00	9753070	20.0
Benzene, 1,3-diet...	7.25	13.4	ng	6523510	1	7.00	9753070	20.0
Naphthalene, deca...	7.40	17.7	ng	8618610	1	7.00	9753070	20.0
Benzene, 1-ethyl-...	7.65	58.0	ng	7323940	2	8.29	2525710	20.0
Undecane, 5-ethyl-	7.72	42.3	ng	5346420	2	8.29	2525710	20.0
Benzene, 1,2,4,5-...	7.79	43.5	ng	5495220	2	8.29	2525710	20.0
Bicyclo(3.3.1)non...	7.94	204.5	ng	25830100	2	8.29	2525710	20.0
Benzene, 2-etheny...	8.04	66.5	ng	8391430	2	8.29	2525710	20.0
Benzene, 1-ethyl-...	8.12	33.1	ng	4184750	2	8.29	2525710	20.0
Benzene, 1-ethyl-...	8.17	20.0	ng	2525710	2	8.29	2525710	20.0
Naphthalene, 1,3-...	9.86	20.0	ng	6353400	3	10.09	6353400	20.0
1,4,5,8-Tetrameth...	11.08	20.0	ng	9869970	4	11.57	9869970	20.0
Phenanthrene, 3,6...	12.54	11.3	ng	5588320	4	11.57	9869970	20.0
unknown12.93	12.93	16.2	ng	2832690	5	14.19	3504590	20.0
Phenanthrene, 2,3...	13.06	13.8	ng	2415970	5	14.19	3504590	20.0
Benzo[e]pyrene	15.57	40.3	ng	2192680	6	15.70	1088720	20.0