LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092616\
Data File : BF090222.D
Acq On : 26 Sep 2016 15:40
Operator : UM/SJ
Sample : H4933-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

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-BF092016.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	1.655	4	6	52	rVB	2107336	6649790	100.00%	17.757%
2	4.581	258	262	264	rBV	1169261	1764834	26.54%	4.713%
3	5.039	300	302	305	rBV	715410	773058	11.63%	2.064%
4	5.439	334	337	341	rVB2	51157	80616	1.21%	0.215%
5	5.816	367	370	371	rVV	71310	94321	1.42%	0.252%
6	5.884	373	376	378	rBV	48945	75419	1.13%	0.201%
7	6.021	386	388	392	rVB	42654	72835	1.10%	0.194%
8	6.124	395	397	400	rBV	471012	570053	8.57%	1.522%
9	6.239	405	407	409	rVV	1450202	1432000	21.53%	3.824%
10	6.444	420	425	426	rBV4	28062	77870	1.17%	0.208%
11	6.479	426	428	430	rVV	725535	785116	11.81%	2.097%
12	6.627	439	441	444	rBV	1638509	2217348	33.34%	5.921%
13	7.050	475	478	480	rBV	1651795	1772500	26.65%	4.733%
14	7.119	482	484	487	rVB3	110144	160672	2.42%	0.429%
15	7.176	487	489	491	rBV	164716	162660	2.45%	0.434%
16	7.256	494	496	498	rVB2	134010	154051	2.32%	0.411%
17	7.359	501	505	506	rBV4	43811	79486	1.20%	0.212%
18	7.404	506	509	510	rBV	136637	172989	2.60%	0.462%
19	7.496	515	517	521	rBV	68143	111612	1.68%	0.298%
20	7.587	523	525	527	rBV3	58228	76548	1.15%	0.204%
21	7.759	538	540	543	rBV	737224	1089308	16.38%	2.909%
22	7.827	543	546	547	rVV3	58991	122784	1.85%	0.328%
23	7.850	547	548	550	rVV2	134885	178239	2.68%	0.476%
24	7.907	550	553	554	rVB	204289	226121	3.40%	0.604%
25	8.079	565	568	570	rBV4	64838	117091	1.76%	0.313%
26	8.216	578	580	585	rVB2	340297	463860	6.98%	1.239%
27	8.330	588	590	591	rBV2	49081	70028	1.05%	0.187%
28	8.387	594	595	599	rVB3	87948	185918	2.80%	0.496%
29	8.456	599	601	604	rVB3	149660	220745	3.32%	0.589%
30	8.525	604	607	608	rBV	129466	175985	2.65%	0.470%
31	8.616	613	615	617	rVB2	76207	117278	1.76%	0.313%
32	8.673	617	620	623	rBV2	124363	293620	4.42%	0.784%
33	8.719	623	624	625	rVB2	102802	70471	1.06%	0.188%
34	8.810	628	632	633	rBV3	356529	461764	6.94%	1.233%

LSC Area Percent Report

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Sample : H4933-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

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-BF092016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.845	633	635	638	rVB	2640924	3084323	46.38%	8.236%
36	8.913	638	641	642	rBV2	176087	151448	2.28%	0.404%
37	9.107	655	658	661	rBV5	49189	137896	2.07%	0.368%
38	9.222	666	668	669	rVV	165270	187138	2.81%	0.500%
39	9.245	669	670	675	rVB2	390294	642592	9.66%	1.716%
40	9.416	683	685	687	rVB2	50814	83378	1.25%	0.223%
41	9.508	690	693	695	rBV	1426745	1377835	20.72%	3.679%
42	9.839	719	722	724	rVB3	33507	68145	1.02%	0.182%
43	10.193	749	753	754	rBV2	64720	102207	1.54%	0.273%
44	10.285	759	761	764	rBV2	892005	1309196	19.69%	3.496%
45	10.456	770	776	778	rBV2	128496	257023	3.87%	0.686%
46	10.913	815	816	819	rVV3	85673	112635	1.69%	0.301%
47	10.971	819	821	824	rVV	895290	1174918	17.67%	3.137%
48	11.256	840	846	847	rBV4	61847	125724	1.89%	0.336%
49	11.382	853	857	858	rVB2	58598	76340	1.15%	0.204%
50	11.473	863	865	867	rVV	170924	168273	2.53%	0.449%
51	11.531	869	870	872	rVV	110342	175294	2.64%	0.468%
52	11.565	872	873	875	rVV2	120007	181281	2.73%	0.484%
53	11.611	875	877	880	rVV	159584	204126	3.07%	0.545%
54	11.679	880	883	885	rVV	333409	390269	5.87%	1.042%
55	11.759	889	890	894	rVV	341835	428694	6.45%	1.145%
56	11.816	894	895	900	rVV3	63974	98632	1.48%	0.263%
57	11.919	900	904	908	rVB2	129221	197757	2.97%	0.528%
58	11.999	908	911	914	rBV	171882	249631	3.75%	0.667%
59	12.228	927	931	933	rVB	236749	221188	3.33%	0.591%
60	12.559	958	960	963	rVV	2503550	3003441	45.17%	8.020%
61	13.474	1038	1040	1045	rBV	146723	150841	2.27%	0.403%
62	13.588	1047	1050	1052	rBV	1168682	1168264	17.57%	3.120%
63	14.902	1163	1165	1168	rBV	622470	842970	12.68%	2.251%

Sum of corrected areas: 37448449

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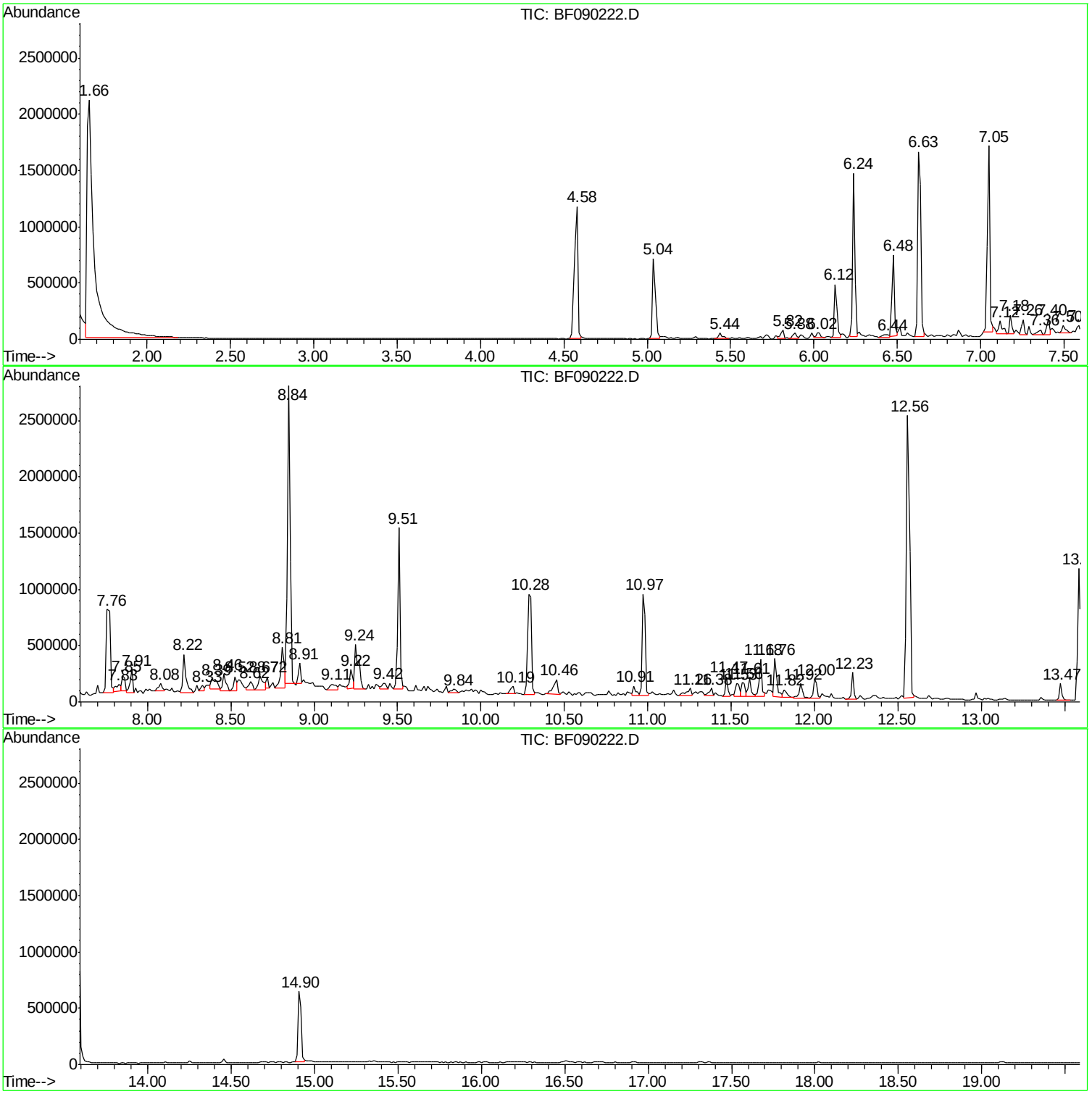
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

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

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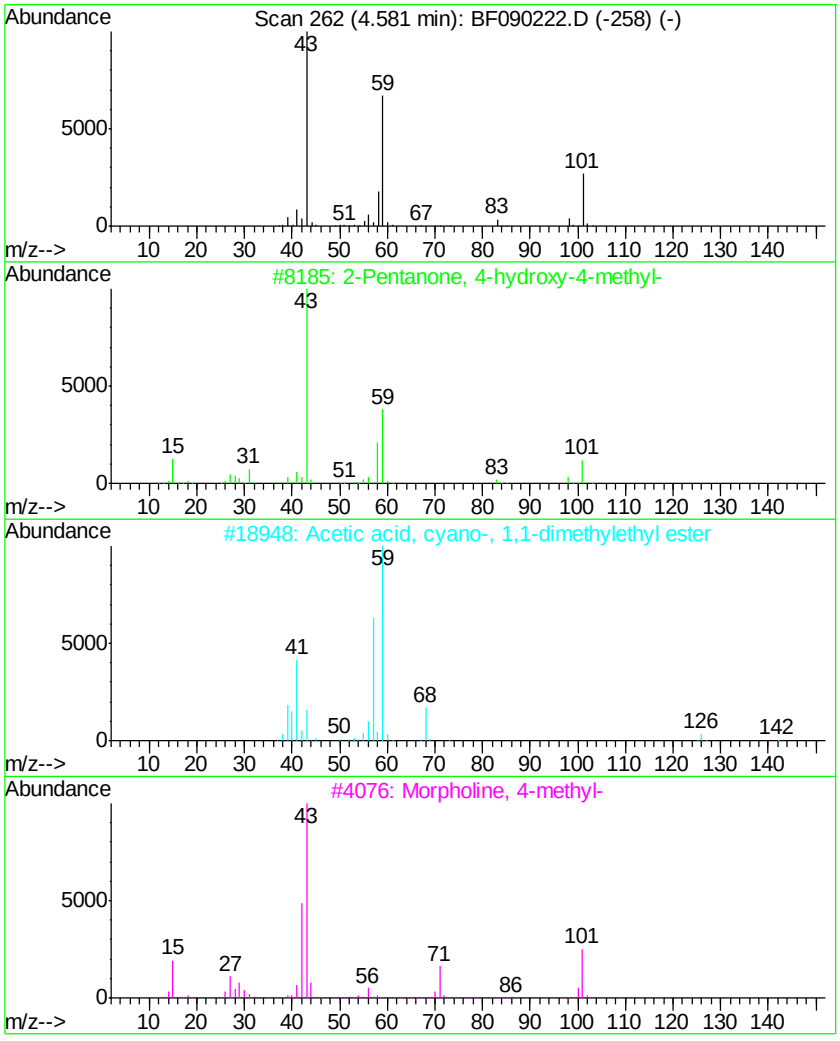
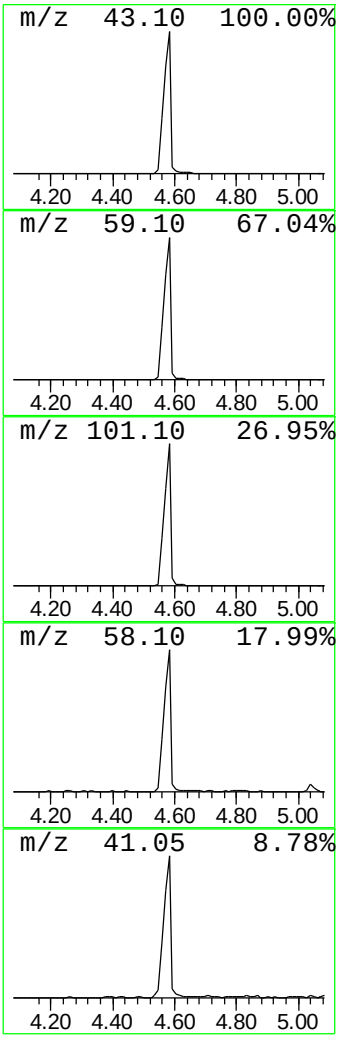
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.58	44.96 ng	1764830	1,4-Dichlorobenzene-d4	6.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Guanidine	59	CH5N3	000113-00-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092616\
Data File : BF090222.D
Acq On : 26 Sep 2016 15:40
Operator : UM/SJ
Sample : H4933-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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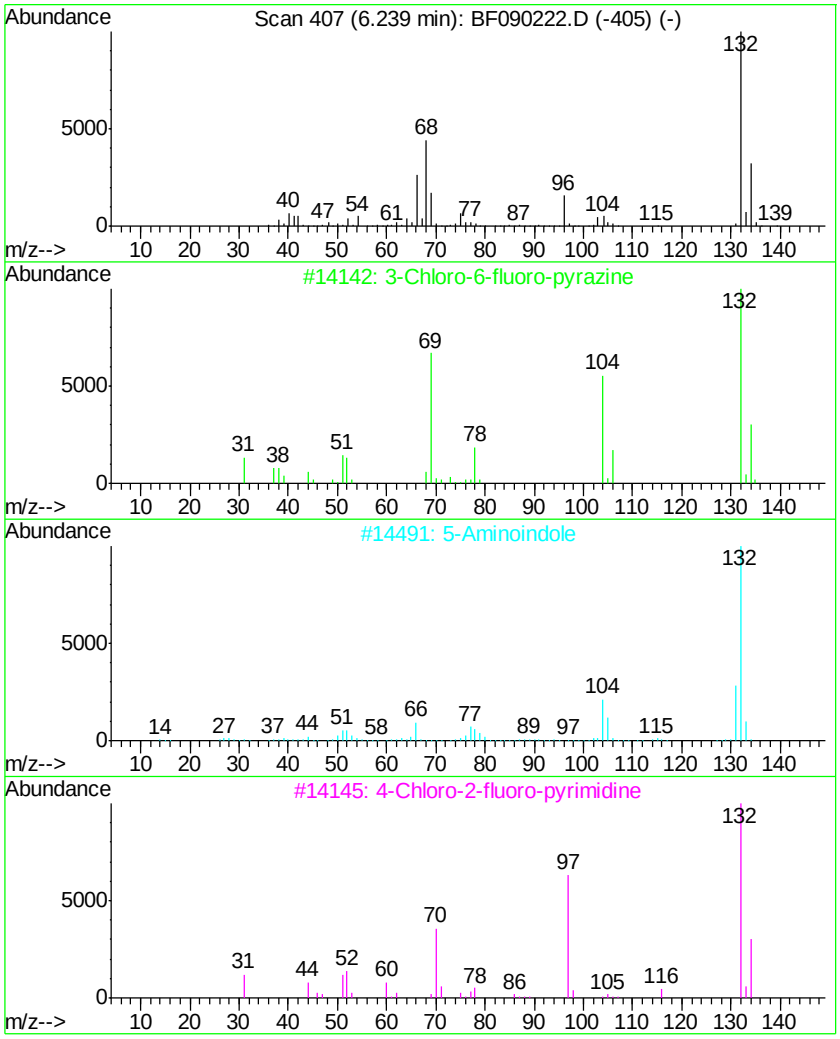
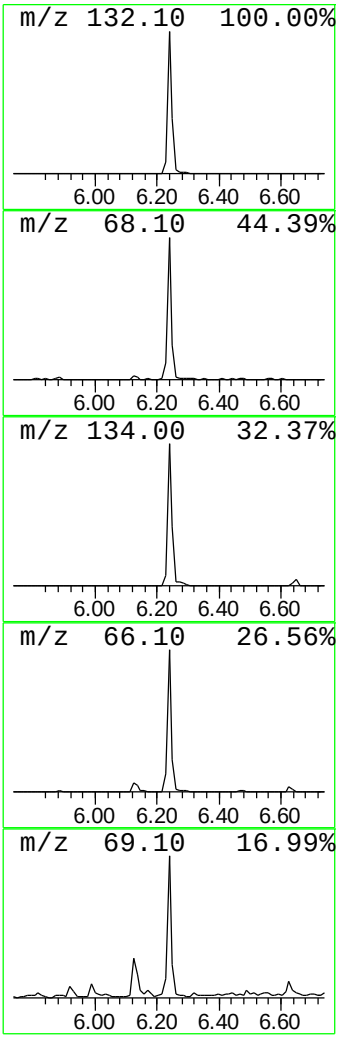
Peak Number 3 unknown6.24 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	36.48 ng	1432000	1,4-Dichlorobenzene-d4	6.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092616\
Data File : BF090222.D
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Operator : UM/SJ
Sample : H4933-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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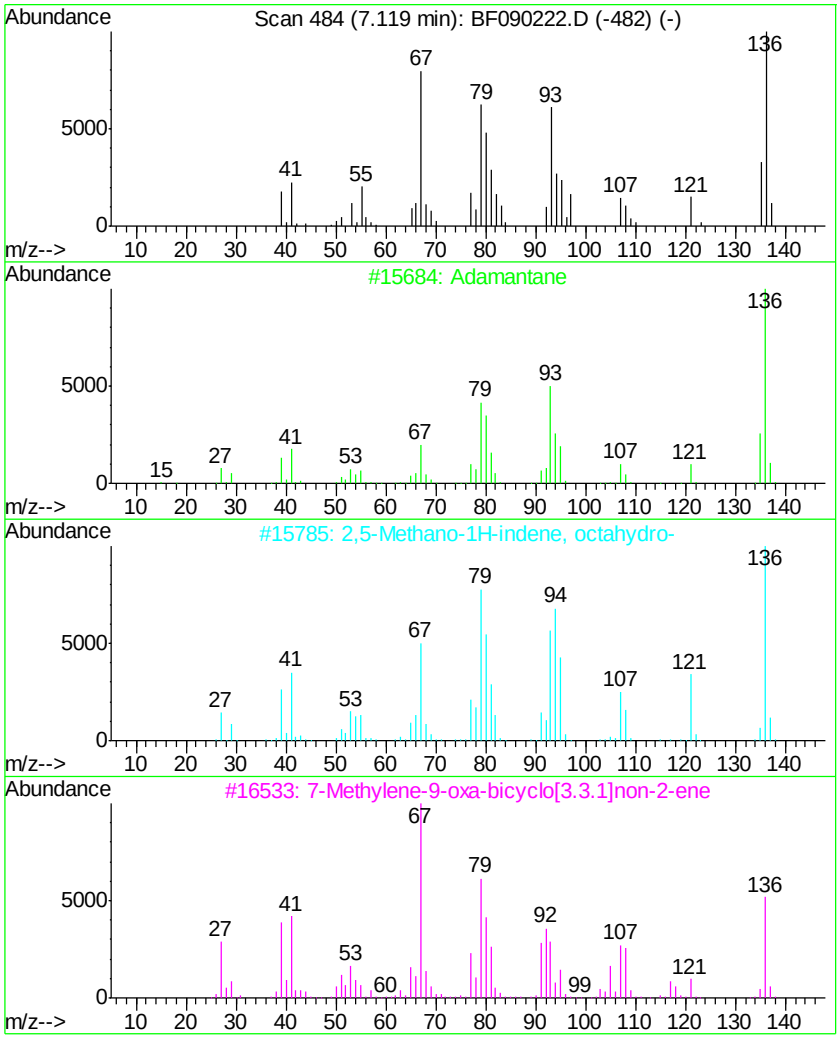
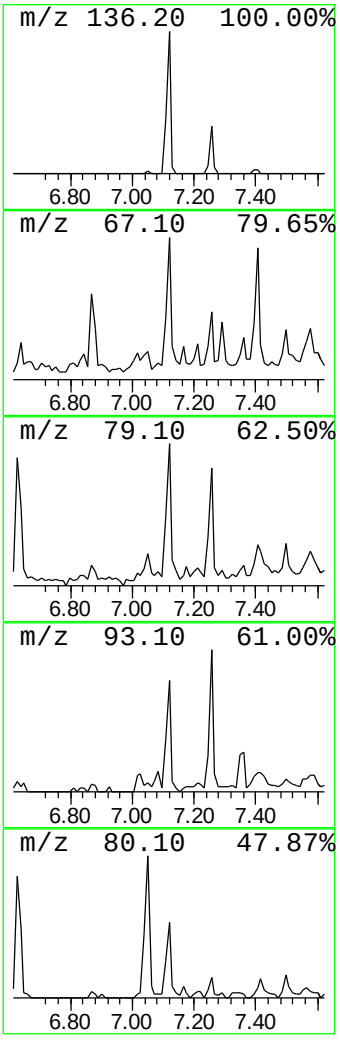
Peak Number 5 Adamantane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	4.09 ng	160672	1,4-Dichlorobenzene-d4	6.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	81
2	2,5-Methano-1H-indene, octahydro-	136	C10H16	019026-94-9	74
3	7-Methylene-9-oxa-bicyclo[3.3.1]...	136	C9H12O	1000193-85-5	74
4	Tricyclo[4.4.0.0(2,8)]decane	136	C10H16	049700-59-6	74
5	Bicyclo[3.3.1]non-2-en-9-one	136	C9H12O	004844-11-5	58





Library Search Compound Report

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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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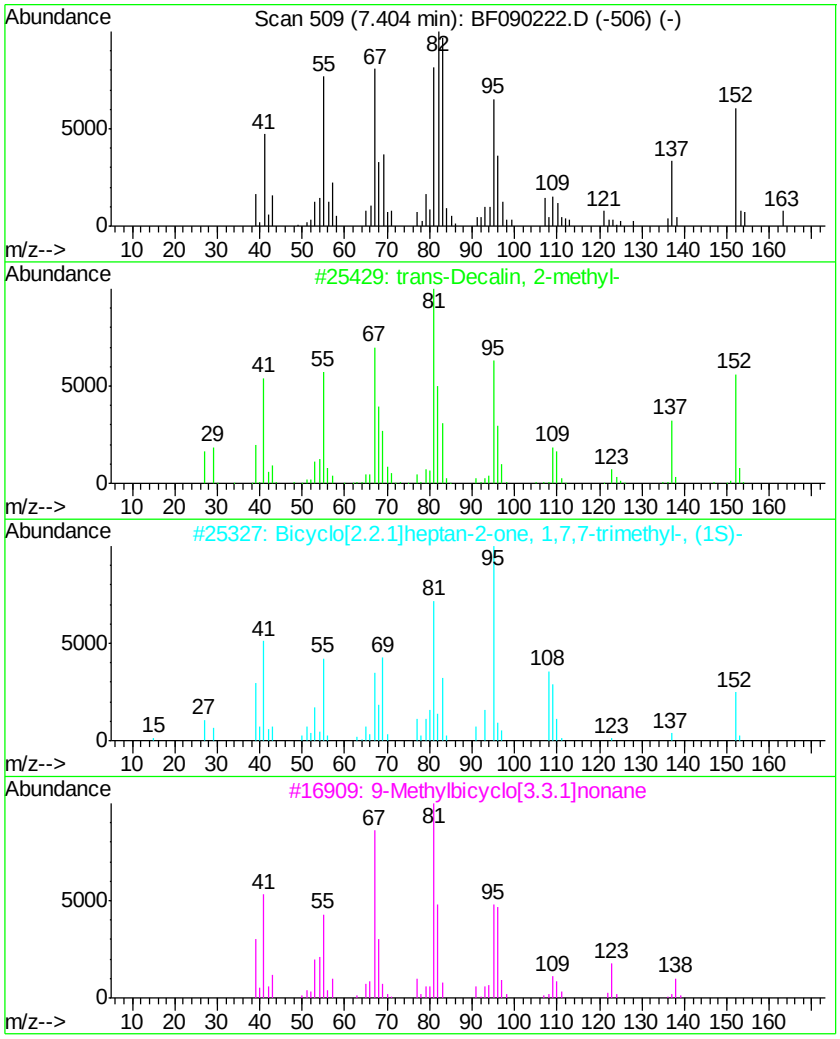
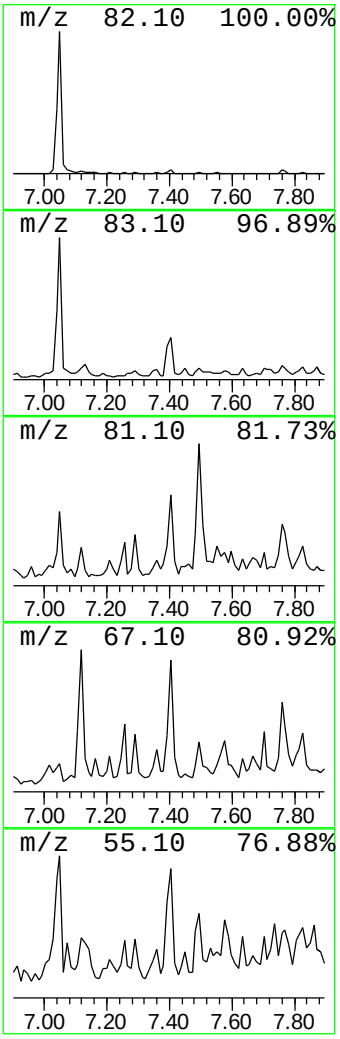
Peak Number 6 trans-Decalin, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	3.18 ng	172989	Naphthalene-d8	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	52
3	9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	50
4	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	50
5	4,5-Nonadiene, 2-methyl-	138	C10H18	055956-32-6	49





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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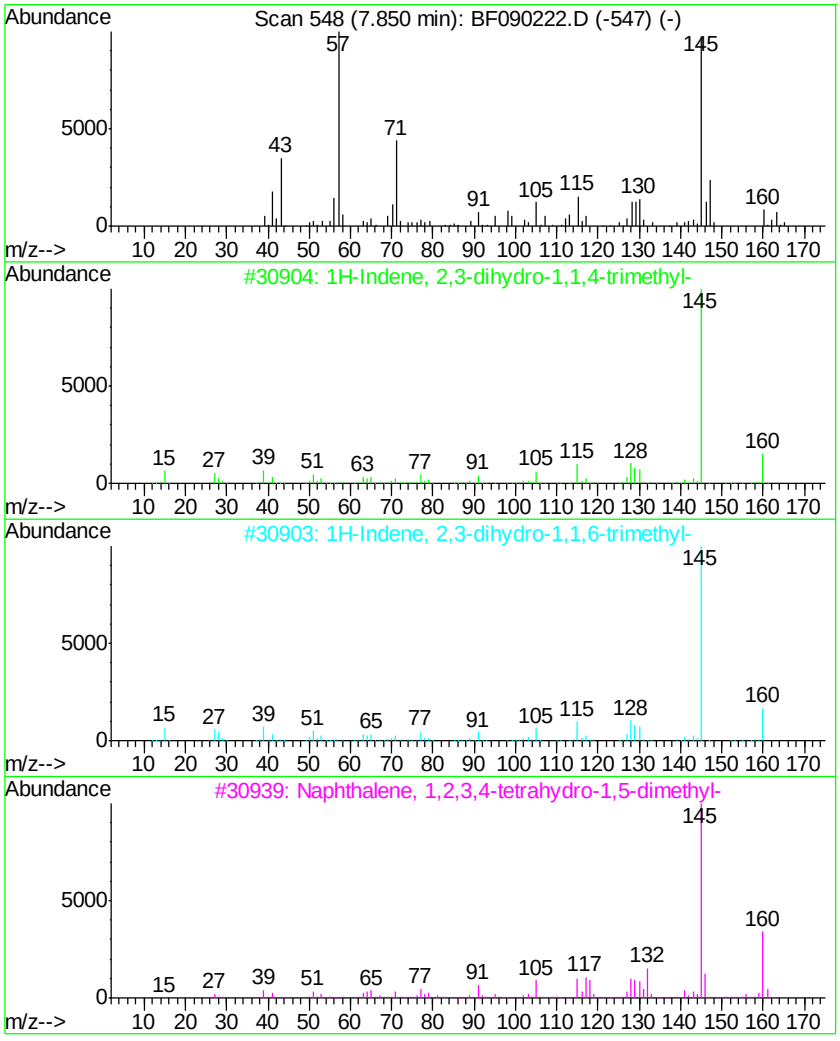
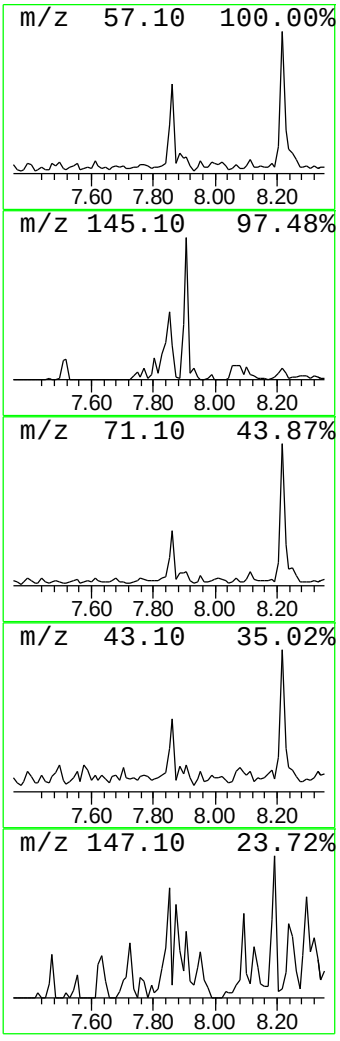
Peak Number 7 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	3.27 ng	178239	Naphthalene-d8	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	89
2	1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	64
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	49
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	49
5	Pyrido[2,3-d]pyrimidine, 4-methyl-	145	C8H7N3	028732-71-0	47





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Sample : H4933-08
Misc :
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Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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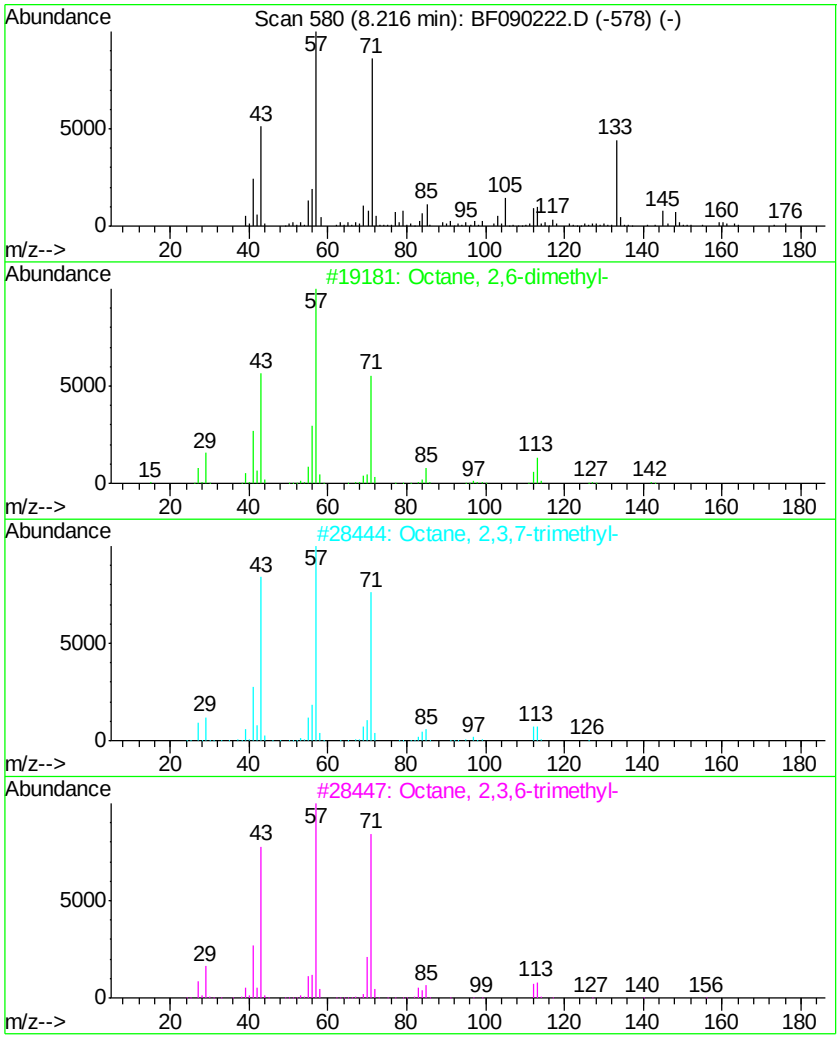
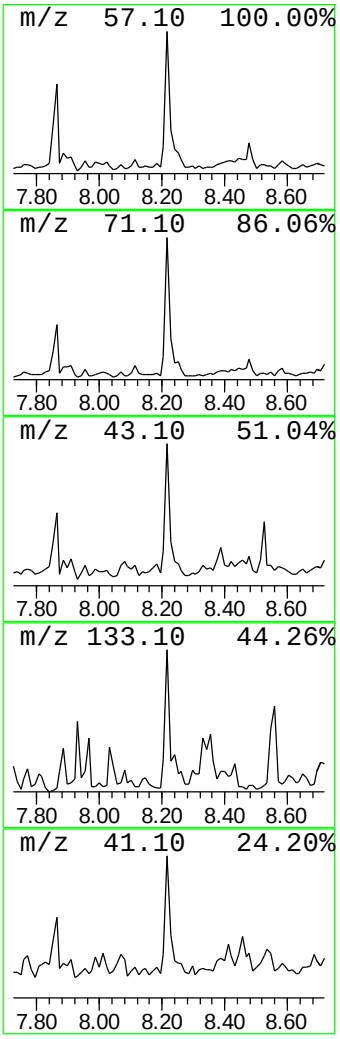
Peak Number 9 Octane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	8.52 ng	463860	Naphthalene-d8	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	50
2	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	50
3	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	50
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	50
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092616\
Data File : BF090222.D
Acq On : 26 Sep 2016 15:40
Operator : UM/SJ
Sample : H4933-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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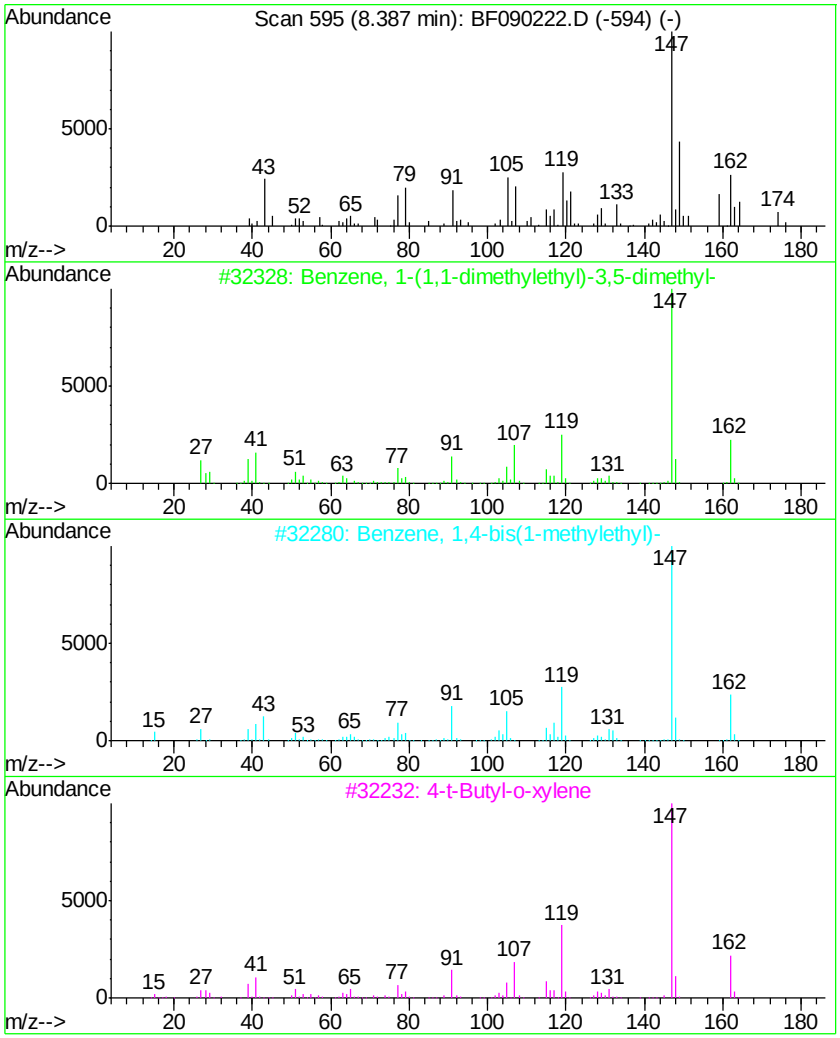
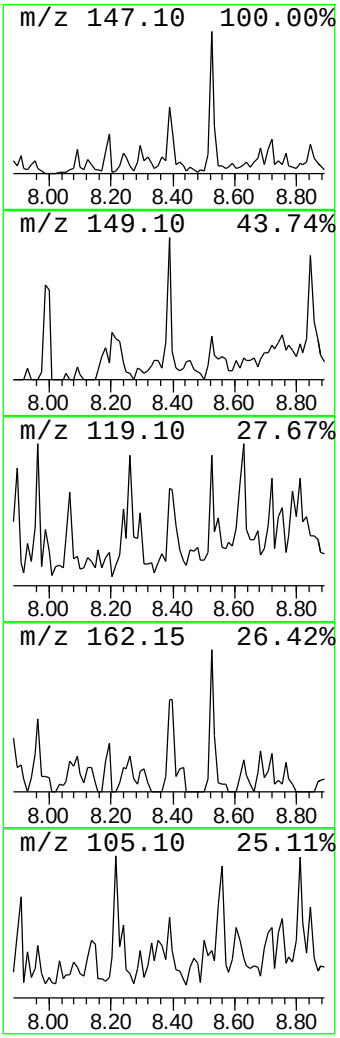
Peak Number 10 Benzene, 1-(1,1-dimethyleth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	3.41 ng	185918	Naphthalene-d8	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1,1-dimethylethyl)-3...	162	C12H18	000098-19-1	53
2	Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	46
3	4-t-Butyl-o-xylene	162	C12H18	007397-06-0	46
4	Benzene, 1-(1,1-dimethylethyl)-4...	162	C12H18	007364-19-4	46
5	Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092616\
Data File : BF090222.D
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Operator : UM/SJ
Sample : H4933-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

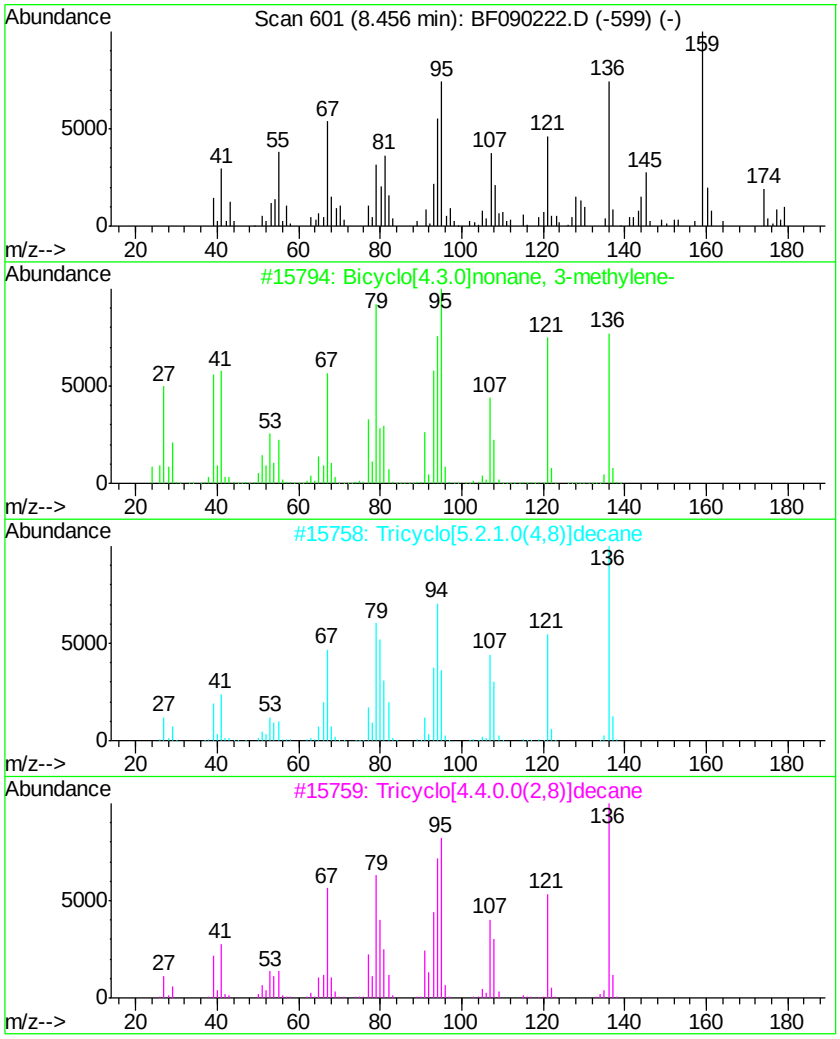
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

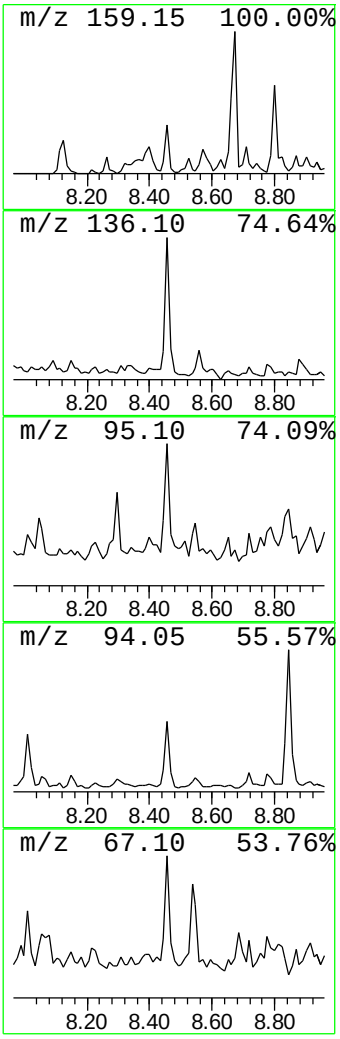
****

Peak Number 11 Bicyclo[4.3.0]nonane, 3-met... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	4.05 ng	220745	Naphthalene-d8	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.3.0]nonane, 3-methylene-	136	C10H16	1000152-00-6	58
2	Tricyclo[5.2.1.0(4,8)]decane	136	C10H16	042836-61-3	53
3	Tricyclo[4.4.0.0(2,8)]decane	136	C10H16	049700-59-6	53
4	5-Methylene-1,3a,4,5,6,6a-hexahy...	136	C9H12O	1000193-00-3	49
5	1.alpha., 4a.beta., 8a.alpha.-De...	154	C10H18O	036159-47-4	43





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Data File : BF090222.D
Acq On : 26 Sep 2016 15:40
Operator : UM/SJ
Sample : H4933-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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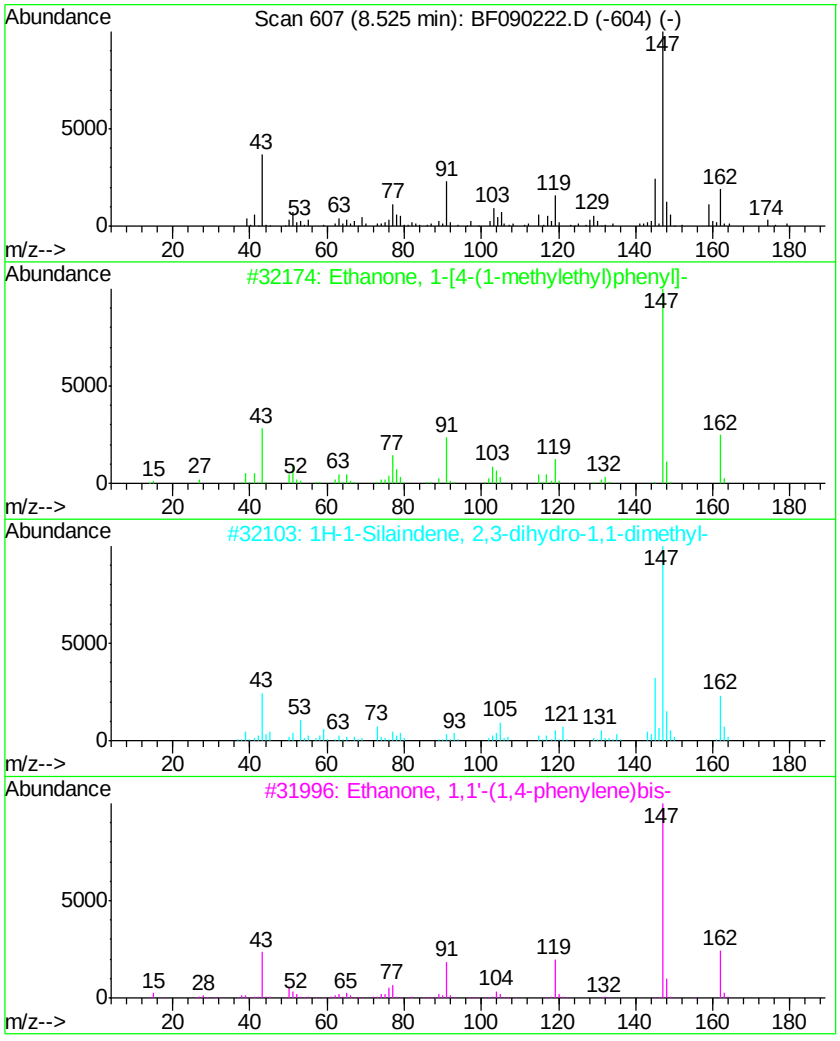
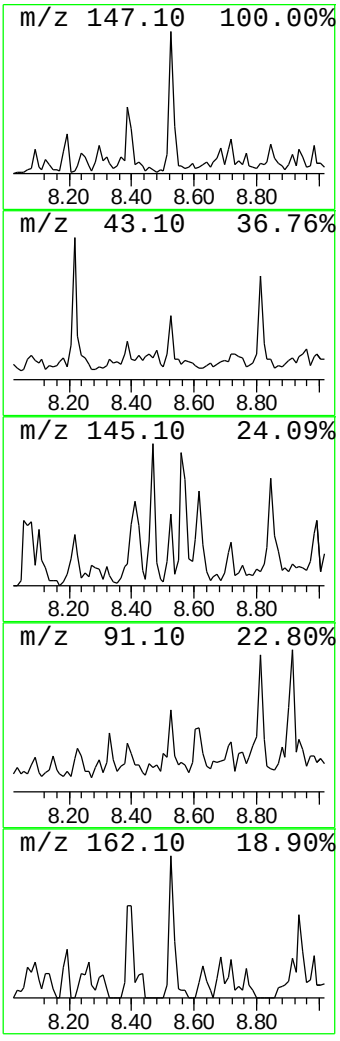
Peak Number 12 Ethanone, 1-[4-(1-methyleth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	3.23 ng	175985	Naphthalene-d8	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-[4-(1-methylethyl)ph...	162	C11H14O	000645-13-6	70
2	1H-1-Silaindene, 2,3-dihydro-1,1...	162	C10H14Si	017158-48-4	64
3	Ethanone, 1,1'-(1,4-phenylene)bis-	162	C10H10O2	001009-61-6	64
4	Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	59
5	Ethanone, 1,1'-(1,3-phenylene)bis-	162	C10H10O2	006781-42-6	58





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Operator : UM/SJ
Sample : H4933-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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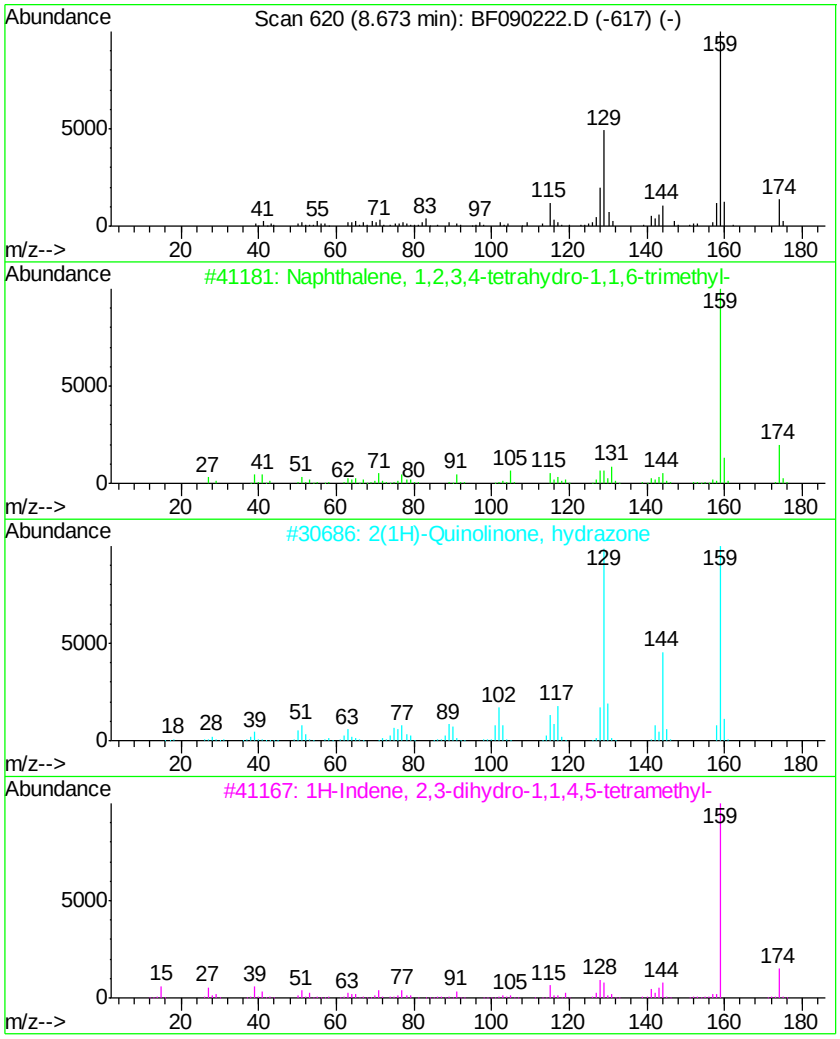
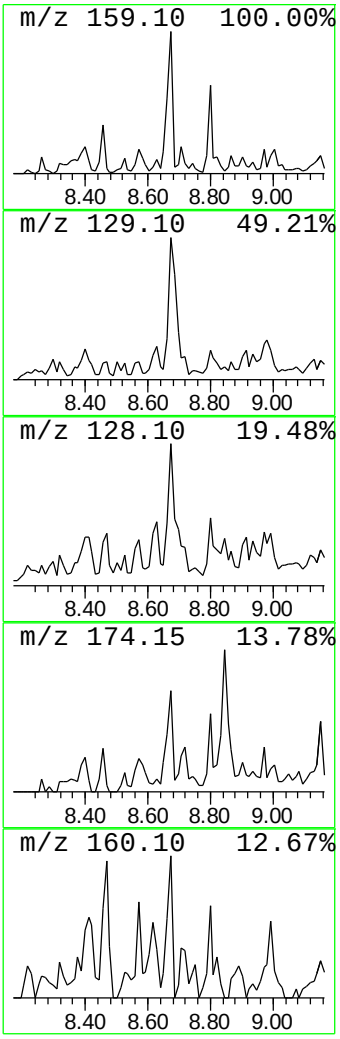
Peak Number 13 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	4.26 ng	293620	Acenaphthene-d10	9.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	72
2	2(1H)-Quinolinone, hydrazone	159	C9H9N3	015793-77-8	59
3	1H-Indene, 2,3-dihydro-1,1,4,5-t...	174	C13H18	016204-57-2	58
4	Indan, 1,1,6,7-tetramethyl-	174	C13H18	016204-58-3	58
5	1H-Indene, 2,3-dihydro-1,1,4,7-t...	174	C13H18	001078-04-2	58





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Sample : H4933-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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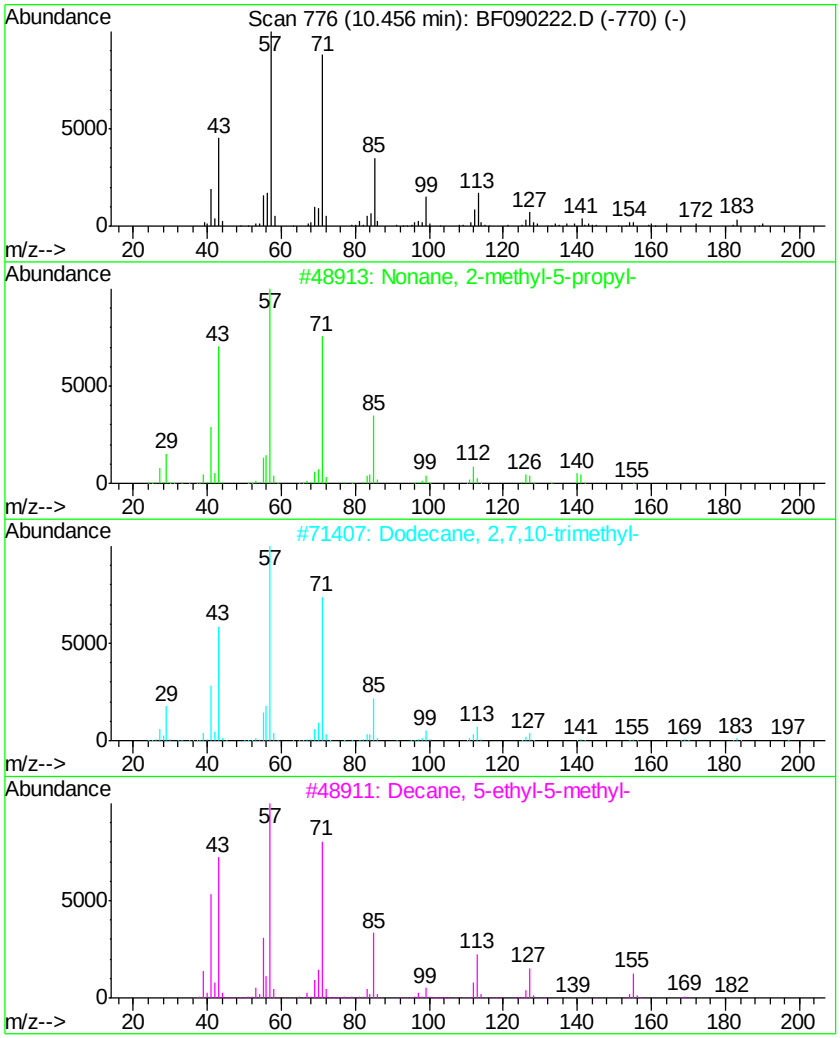
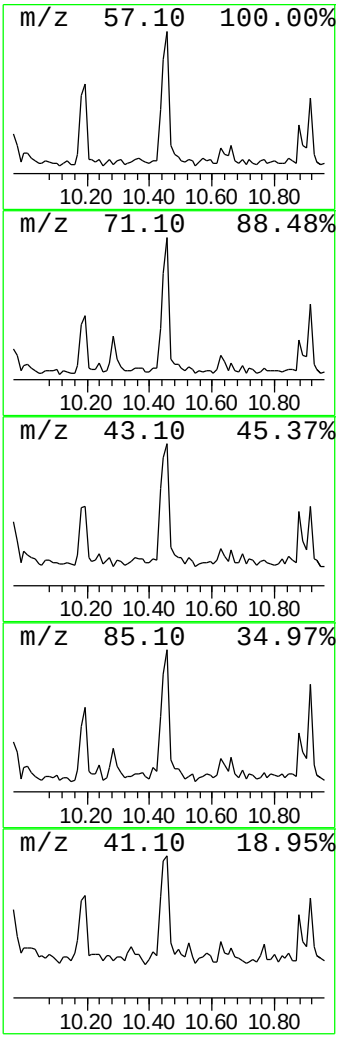
Peak Number 14 Nonane, 2-methyl-5-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	4.38 ng	257023	Phenanthrene-d10	10.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	80
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3	Decane, 5-ethyl-5-methyl-	184	C13H28	017312-74-2	78
4	Tridecane, 3-methyl-	198	C14H30	006418-41-3	59
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	58





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Operator : UM/SJ
Sample : H4933-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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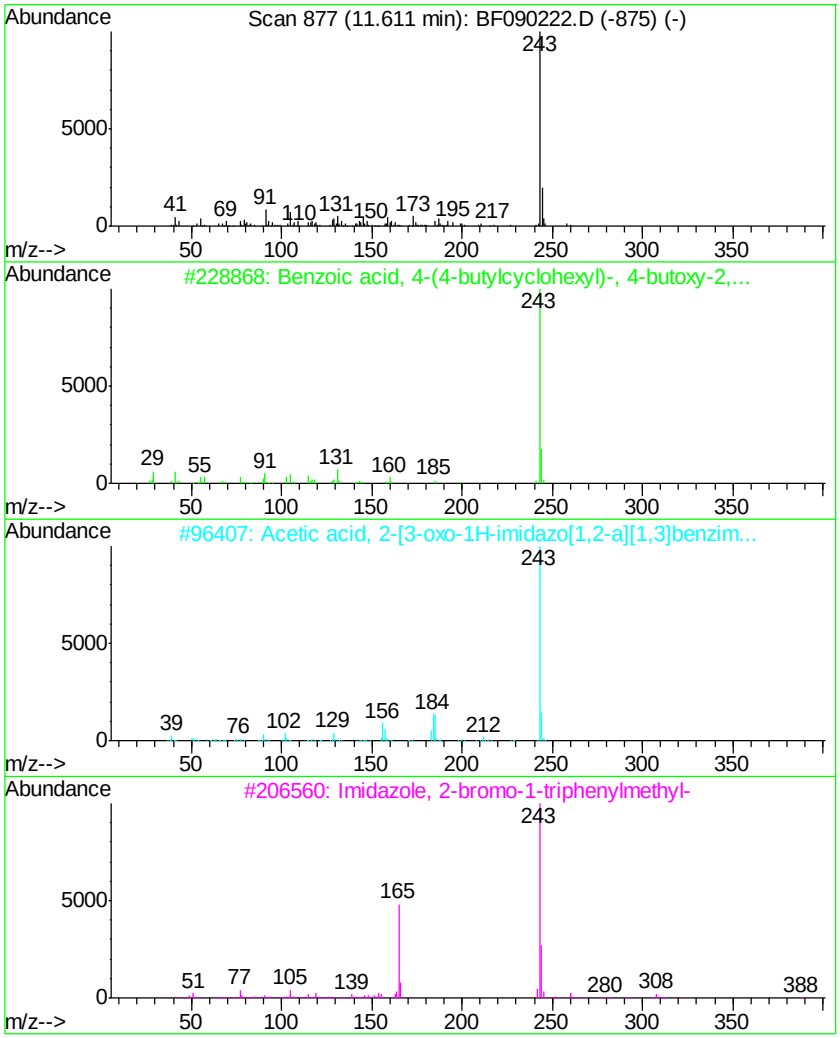
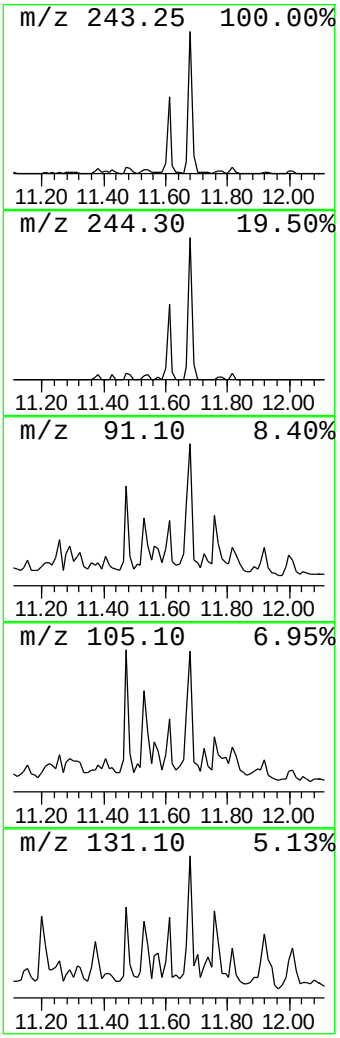
Peak Number 15 Benzoic acid, 4-(4-butylcyc... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	3.47 ng	204126	Phenanthrene-d10	10.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-(4-butylcyclohex...	458	C29H34N2O3	075941-90-1	64
2	Acetic acid, 2-[3-oxo-1H-imidazo...	243	C12H9N3O3	1000337-79-9	64
3	Imidazole, 2-bromo-1-triphenylme...	388	C22H17BrN2	067478-47-1	64
4	Benzoic acid, 4-(4-butylcyclohex...	430	C27H30N2O3	086377-40-4	64
5	.beta.-Alanine, N-hydroxy-N-[2,3...	533	C31H35NO7	064018-66-2	56





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Acq On : 26 Sep 2016 15:40
Operator : UM/SJ
Sample : H4933-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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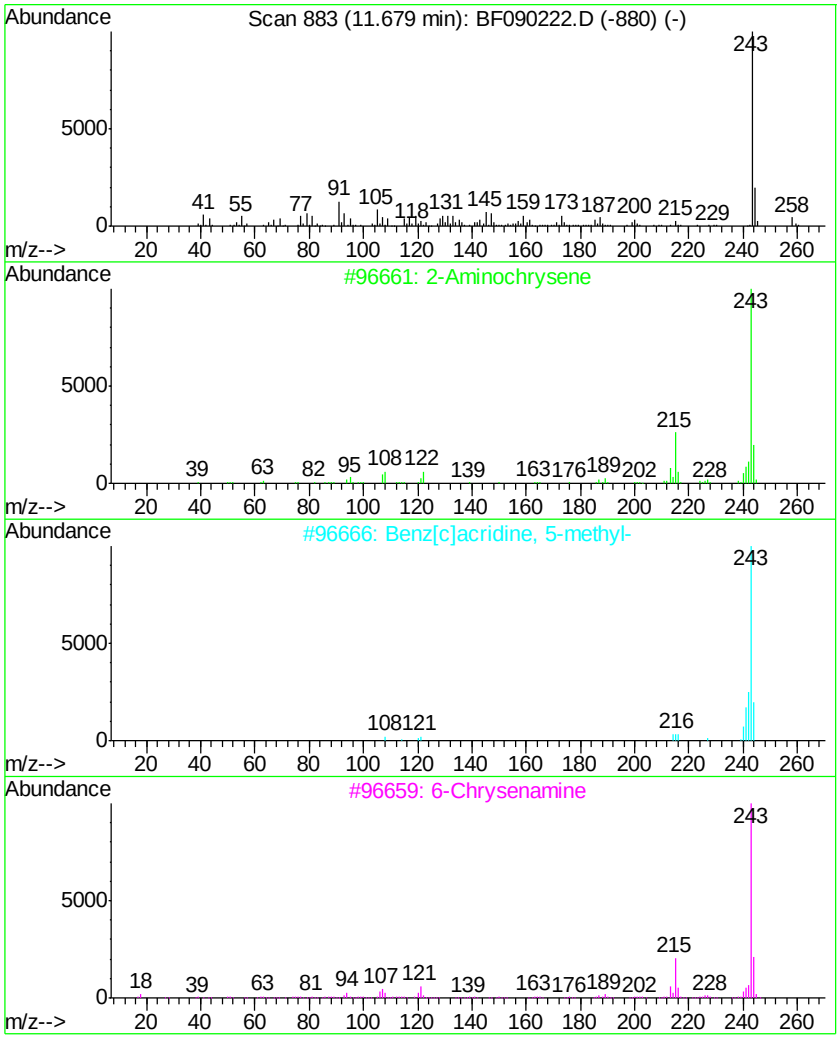
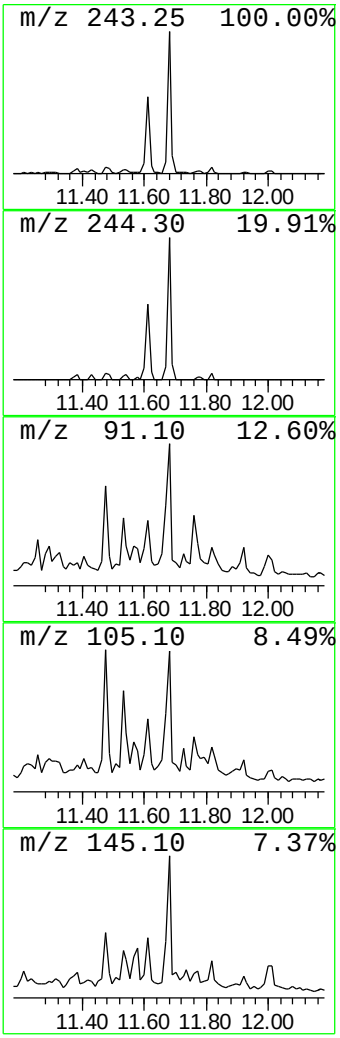
Peak Number 16 2-Aminochrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	6.64 ng	390269	Phenanthrene-d10	10.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Aminochrysene	243	C18H13N	000789-47-9	59
2	Benz[c]acridine, 5-methyl-	243	C18H13N	003519-87-7	59
3	6-Chrysenamine	243	C18H13N	002642-98-0	59
4	8H-Pyrano[2,3-e]benzothiophen-8-...	243	C13H9NO4	1000266-82-1	59
5	1-Tritylaziridine-2-carbothioic ...	421	C28H23NOS	1000191-60-9	59





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Acq On : 26 Sep 2016 15:40
Operator : UM/SJ
Sample : H4933-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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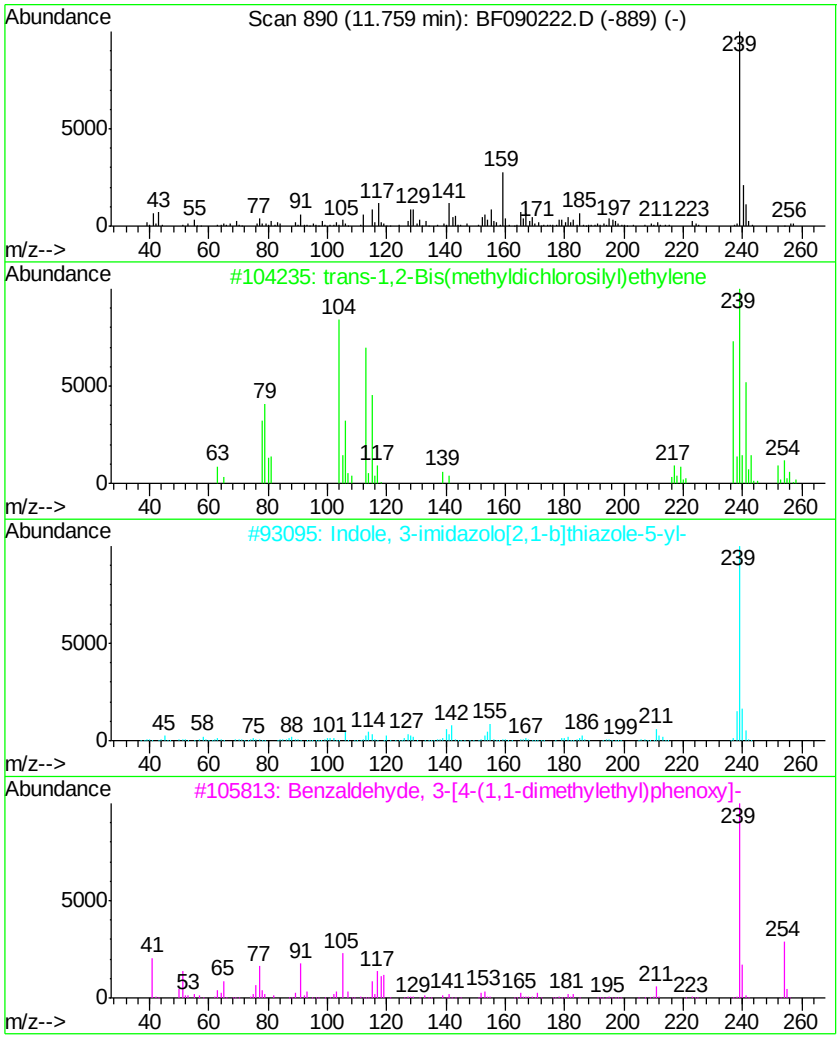
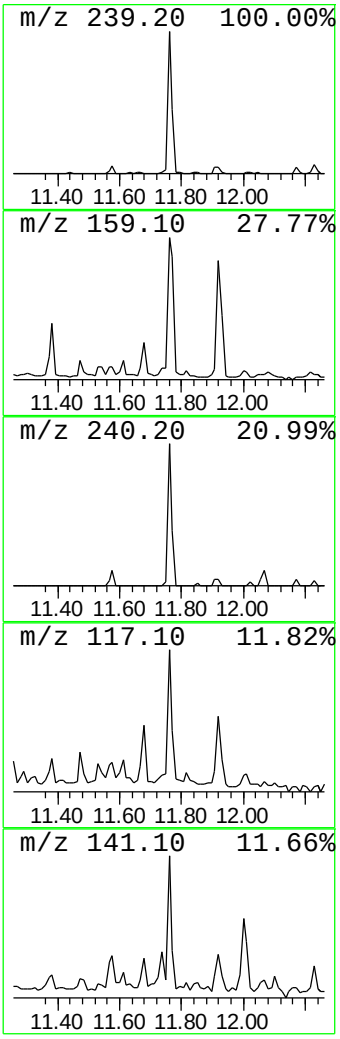
Peak Number 17 trans-1,2-Bis(methyldichlor... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	7.30 ng	428694	Phenanthrene-d10	10.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,2-Bis(methyldichlorosilv...	252	C4H8Cl4Si2	065899-10-7	55
2	Indole, 3-imidazolo[2,1-b]thiazo...	239	C13H9N3S	292855-05-1	50
3	Benzaldehyde, 3-[4-(1,1-dimethyl...	254	C17H18O2	069770-23-6	50
4	5H-Pyrrolo[3,4-b]pyrazine-5,7(6H...	239	C13H9N3O2	1000337-19-6	46
5	2-(2-Methoxyethoxy)ethyl 3,5-din...	314	C12H14N2O8	1000378-31-0	43





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Sample : H4933-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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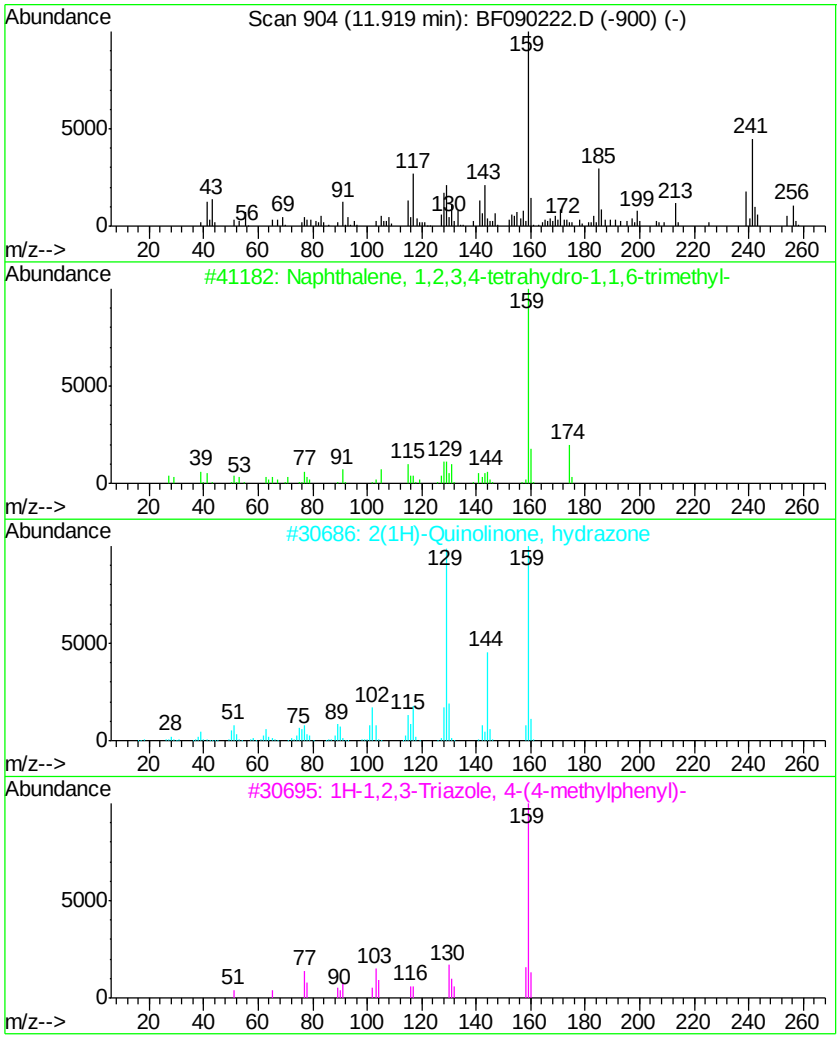
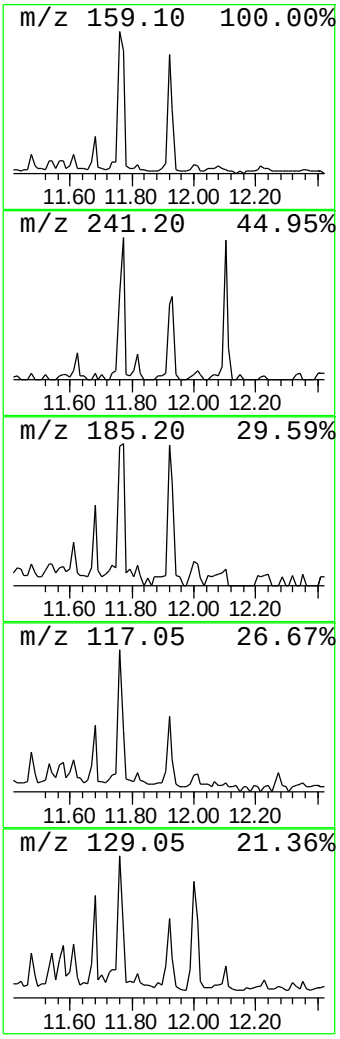
Peak Number 18 unknown11.92 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	3.37 ng	197757	Phenanthrene-d10	10.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	41
2	2(1H)-Quinolinone, hydrazone	159	C9H9N3	015793-77-8	35
3	1H-1,2,3-Triazole, 4-(4-methylph...	159	C9H9N3	005301-96-2	22
4	8-Quinolinol, 2-methyl-	159	C10H9NO	000826-81-3	22
5	Silane, (2-ethynylphenyl)trimethyl-	174	C11H14Si	078905-09-6	22





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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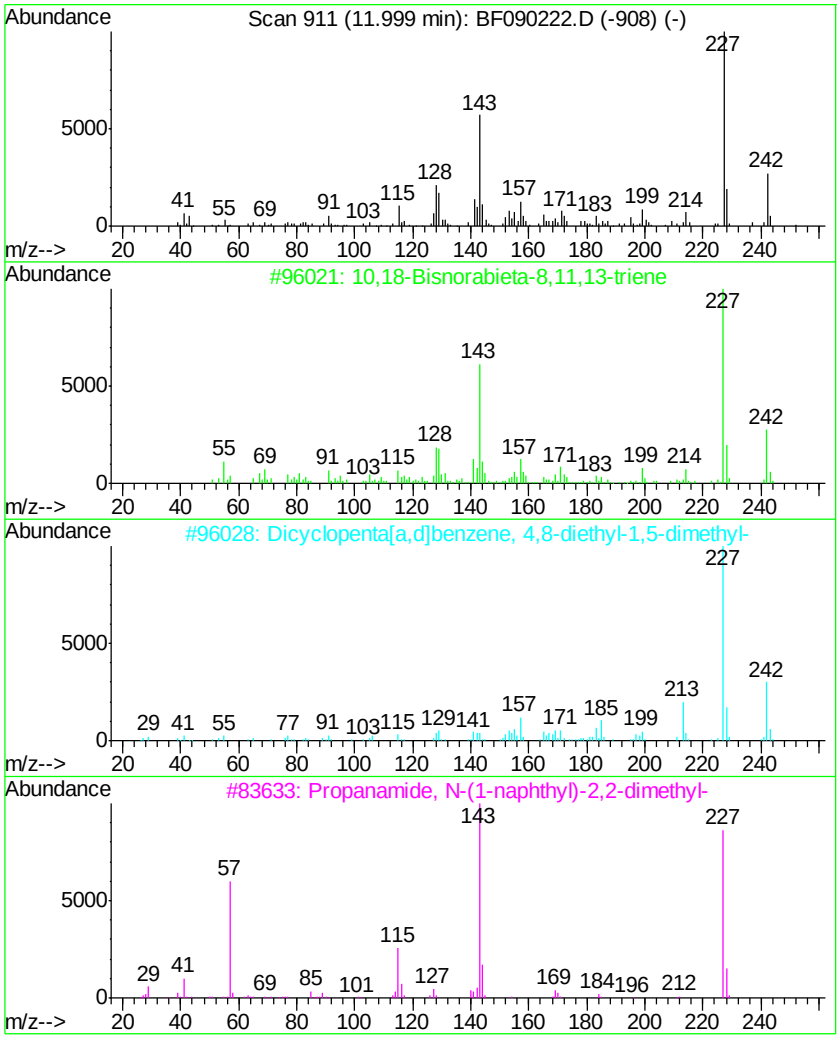
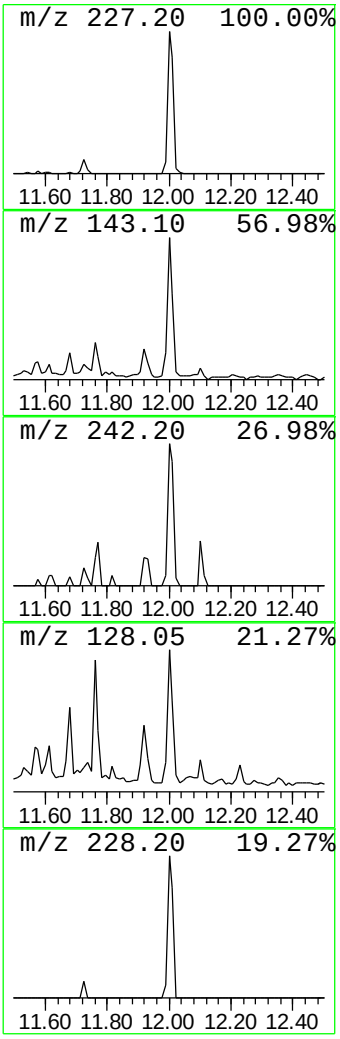
Peak Number 19 10,18-Bisnorabieta-8,11,13-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.25 ng	249631	Phenanthrene-d10	10.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	98
2	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	60
3	Propanamide, N-(1-naphthyl)-2,2-...	227	C15H17NO	1000307-20-2	50
4	5H-Indeno[2,1-E][1,2,4]triazin-5-o...	227	C10H9N7	1000271-75-1	49
5	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	47





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ClientSampleId : TWP-1-B4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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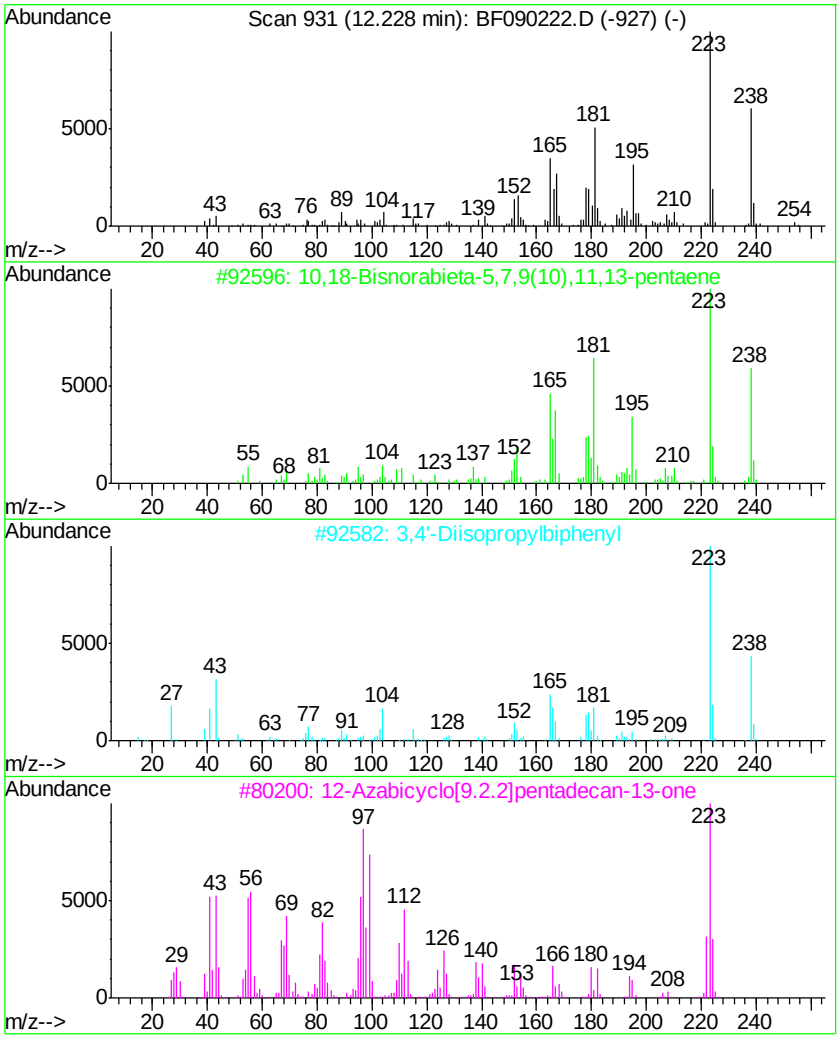
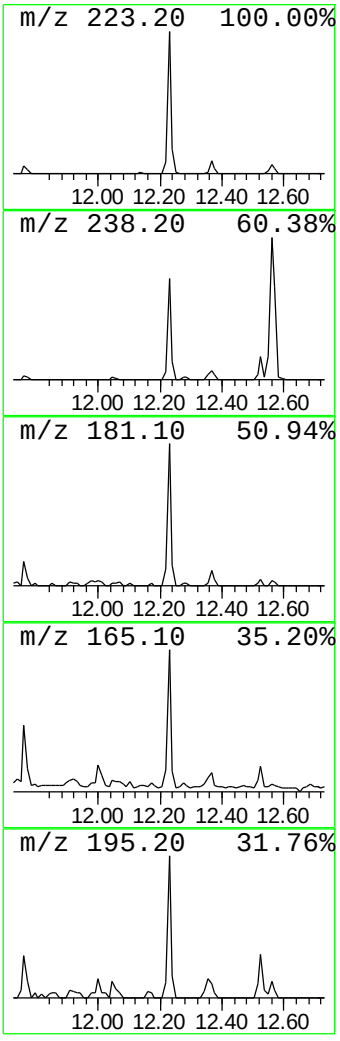
Peak Number 20 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	3.77 ng	221188	Phenanthrene-d10	10.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	90
3	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	60
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	55
5	Anthracene, 9,10-dimethoxy-	238	C16H14O2	002395-97-3	50





Tentatively Identified Compound (LSC) summary

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.58	45.0	ng	1764830	1	6.48	785116	20.0
unknown6.24	6.24	36.5	ng	1432000	1	6.48	785116	20.0
Adamantane	7.12	4.1	ng	160672	1	6.48	785116	20.0
trans-Decalin, 2-...	7.40	3.2	ng	172989	2	7.77	1089310	20.0
1H-Indene, 2,3-di...	7.85	3.3	ng	178239	2	7.77	1089310	20.0
Octane, 2,6-dimet...	8.22	8.5	ng	463860	2	7.77	1089310	20.0
Benzene, 1-(1,1-d...	8.39	3.4	ng	185918	2	7.77	1089310	20.0
Bicyclo[4.3.0]non...	8.46	4.0	ng	220745	2	7.77	1089310	20.0
Ethanone, 1-[4-(1...	8.52	3.2	ng	175985	2	7.77	1089310	20.0
Naphthalene, 1,2,...	8.67	4.3	ng	293620	3	9.51	1377840	20.0
Nonane, 2-methyl-...	10.46	4.4	ng	257023	4	10.97	1174920	20.0
Benzoic acid, 4-(...	11.61	3.5	ng	204126	4	10.97	1174920	20.0
2-Aminochrysene	11.68	6.6	ng	390269	4	10.97	1174920	20.0
trans-1,2-Bis(met...	11.76	7.3	ng	428694	4	10.97	1174920	20.0
unknown11.92	11.92	3.4	ng	197757	4	10.97	1174920	20.0
10,18-Bisnorabiet...	12.00	4.3	ng	249631	4	10.97	1174920	20.0
10,18-Bisnorabiet...	12.23	3.8	ng	221188	4	10.97	1174920	20.0