LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092549.D
Acq On : 27 Jan 2017 2:26
Operator : SJ/MA
Sample : I1452-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.150	266	268	272	rBV	579110	691878	12.77%	1.259%
2	5.241	272	276	278	rVB3	76810	95394	1.76%	0.174%
3	5.561	301	304	306	rBV	2445554	2198237	40.57%	4.001%
4	5.733	318	319	323	rVB2	48646	56444	1.04%	0.103%
5	5.836	326	328	330	rBV2	30178	64879	1.20%	0.118%
6	5.996	338	342	344	rBV3	60557	109361	2.02%	0.199%
7	6.419	378	379	381	rVB	65882	81106	1.50%	0.148%
8	6.476	381	384	386	rBV2	40908	84738	1.56%	0.154%
9	6.590	391	394	396	rVB	1540742	1550056	28.61%	2.821%
10	6.739	404	407	408	rBV	3119085	4084834	75.39%	7.434%
11	6.841	414	416	419	rBV2	59366	85115	1.57%	0.155%
12	6.967	424	427	429	rVV	1332496	1259464	23.24%	2.292%
13	7.127	438	441	443	rBV	3910133	3860599	71.25%	7.026%
14	7.173	443	445	447	rVB2	53857	71802	1.33%	0.131%
15	7.322	453	458	459	rBV3	43346	125560	2.32%	0.229%
16	7.379	459	463	466	rVV5	108027	265616	4.90%	0.483%
17	7.493	469	473	474	rBV2	64233	145571	2.69%	0.265%
18	7.539	474	477	479	rVV	3053683	3676487	67.85%	6.691%
19	7.619	482	484	486	rVV2	323741	447752	8.26%	0.815%
20	7.653	486	487	489	rVV2	165727	227980	4.21%	0.415%
21	7.722	491	493	495	rVV2	196034	266678	4.92%	0.485%
22	7.779	497	498	501	rVB2	104515	132355	2.44%	0.241%
23	7.836	501	503	504	rBV	55887	82449	1.52%	0.150%
24	7.927	509	511	512	rBV2	45130	71632	1.32%	0.130%
25	8.007	515	518	519	rBV2	103064	193963	3.58%	0.353%
26	8.042	519	521	522	rBV2	64863	102136	1.88%	0.186%
27	8.064	522	523	524	rVB	121491	83282	1.54%	0.152%
28	8.110	526	527	529	rVB	91148	62756	1.16%	0.114%
29	8.202	533	535	536	rBV2	117276	140041	2.58%	0.255%
30	8.259	536	540	542	rBV	1576140	1606387	29.65%	2.924%
31	8.385	547	551	552	rBV2	203759	392121	7.24%	0.714%
32	8.442	552	556	558	rBV4	185788	527437	9.73%	0.960%
33	8.499	558	561	563	rVB4	254773	486565	8.98%	0.886%
34	8.545	563	565	566	rBV2	104848	134139	2.48%	0.244%

LSC Area Percent Report

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Operator : SJ/MA
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Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	8.602	566	570	571	rBV4	143078	321052	5.92%	0.584%
36	8.682	575	577	578	rBV2	172972	318097	5.87%	0.579%
37	8.785	585	586	588	rBV2	78897	126196	2.33%	0.230%
38	8.819	588	589	592	rVB	319620	466114	8.60%	0.848%
39	8.876	592	594	597	rBV3	174737	319840	5.90%	0.582%
40	8.922	597	598	601	rVB3	158607	181148	3.34%	0.330%
41	8.979	601	603	604	rBV	188253	251029	4.63%	0.457%
42	9.013	604	606	607	rVB	123693	161389	2.98%	0.294%
43	9.047	607	609	610	rBV2	350454	480681	8.87%	0.875%
44	9.070	610	611	613	rVV2	181246	217003	4.00%	0.395%
45	9.127	613	616	617	rVV2	293838	469436	8.66%	0.854%
46	9.150	617	618	620	rVV2	353177	426828	7.88%	0.777%
47	9.196	620	622	623	rVV	218559	323945	5.98%	0.590%
48	9.253	623	627	629	rVV4	294429	714930	13.19%	1.301%
49	9.287	629	630	632	rVV2	279394	466921	8.62%	0.850%
50	9.345	632	635	637	rVV	4054137	5418626	100.00%	9.862%
51	9.425	640	642	643	rBV2	193306	223272	4.12%	0.406%
52	9.482	645	647	651	rBV4	211868	513002	9.47%	0.934%
53	9.642	657	661	663	rBV3	344880	673591	12.43%	1.226%
54	9.688	663	665	666	rVV2	354235	461196	8.51%	0.839%
55	9.745	666	670	673	rVB	557198	859580	15.86%	1.564%
56	9.825	673	677	678	rBV	160920	446376	8.24%	0.812%
57	10.030	692	695	696	rBV	1642517	1764767	32.57%	3.212%
58	10.053	696	697	701	rVB3	188047	184800	3.41%	0.336%
59	10.190	707	709	711	rBV2	251664	272560	5.03%	0.496%
60	10.339	720	722	724	rBV2	314340	342331	6.32%	0.623%
61	10.385	724	726	728	rVV2	365377	398421	7.35%	0.725%
62	10.453	730	732	735	rVB3	402332	578395	10.67%	1.053%
63	10.545	736	740	741	rBV2	215250	378612	6.99%	0.689%
64	10.602	743	745	747	rVB2	127944	177935	3.28%	0.324%
65	10.682	750	752	753	rVB2	201851	218727	4.04%	0.398%
66	10.716	753	755	758	rVB3	163522	283885	5.24%	0.517%
67	10.773	758	760	762	rBV	318798	472634	8.72%	0.860%
68	10.819	762	764	766	rVB	2182181	2548069	47.02%	4.637%
69	10.933	772	774	776	rBV3	179410	258059	4.76%	0.470%
70	11.379	811	813	815	rBV2	111359	151722	2.80%	0.276%
71	11.516	823	825	828	rVB	1662448	1537372	28.37%	2.798%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092549.D
Acq On : 27 Jan 2017 2:26
Operator : SJ/MA
Sample : I1452-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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

72	12.053	870	872	874	rBV	350655	311504	5.75%	0.567%
73	12.991	953	954	957	rVB	415354	425569	7.85%	0.775%
74	13.116	962	965	967	rVB	3925301	4460840	82.32%	8.119%
75	13.996	1040	1042	1052	rVB4	149666	368342	6.80%	0.670%
76	14.157	1053	1056	1058	rVB	1422389	1333669	24.61%	2.427%
77	15.631	1182	1185	1188	rBV	645474	1040981	19.21%	1.895%
78	16.111	1225	1227	1230	rVB	38150	55326	1.02%	0.101%
79	16.637	1270	1273	1279	rVB2	31901	75852	1.40%	0.138%

Sum of corrected areas: 54945438

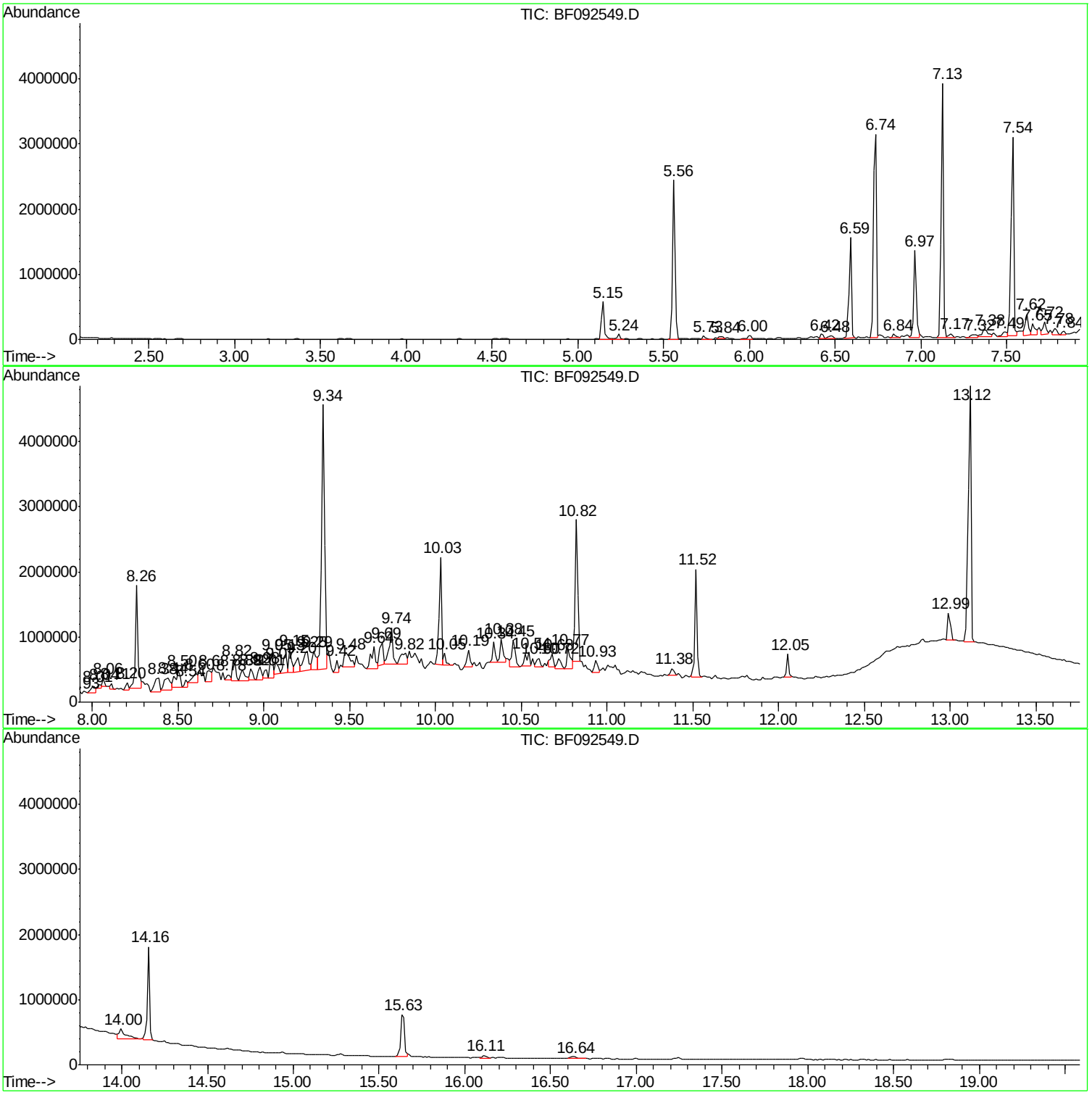
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092549.D
Acq On : 27 Jan 2017 2:26
Operator : SJ/MA
Sample : I1452-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

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

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092549.D
Acq On : 27 Jan 2017 2:26
Operator : SJ/MA
Sample : I1452-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

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

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

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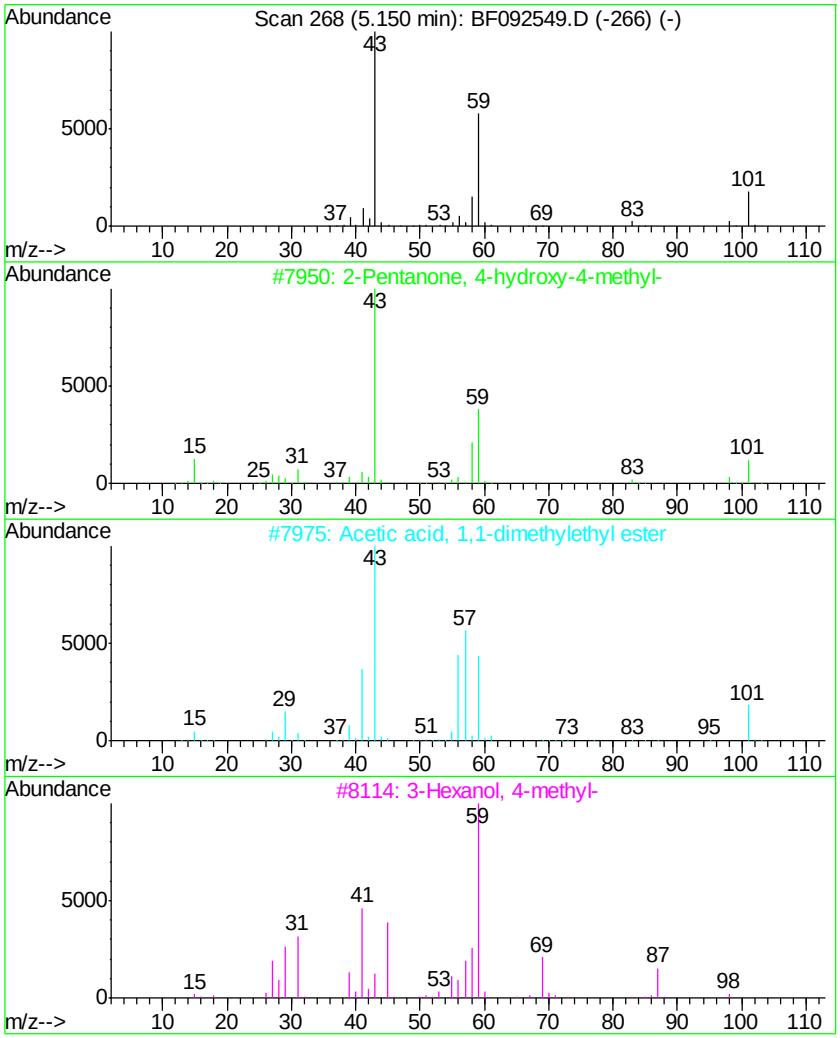
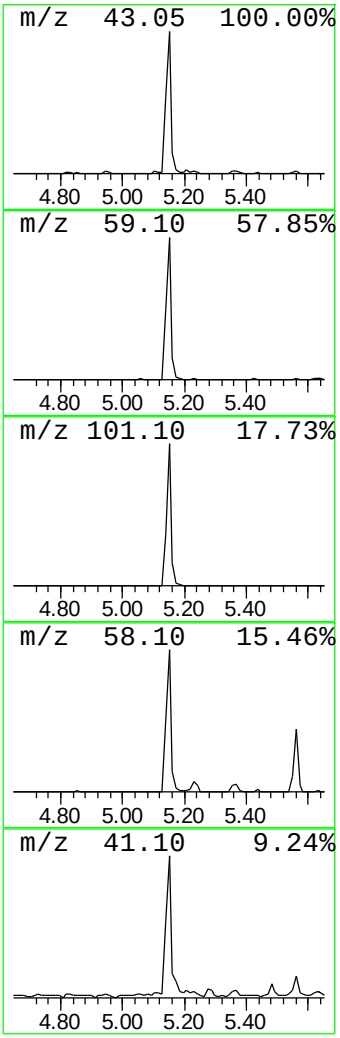
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	10.99 ng	691878	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092549.D
Acq On : 27 Jan 2017 2:26
Operator : SJ/MA
Sample : I1452-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

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

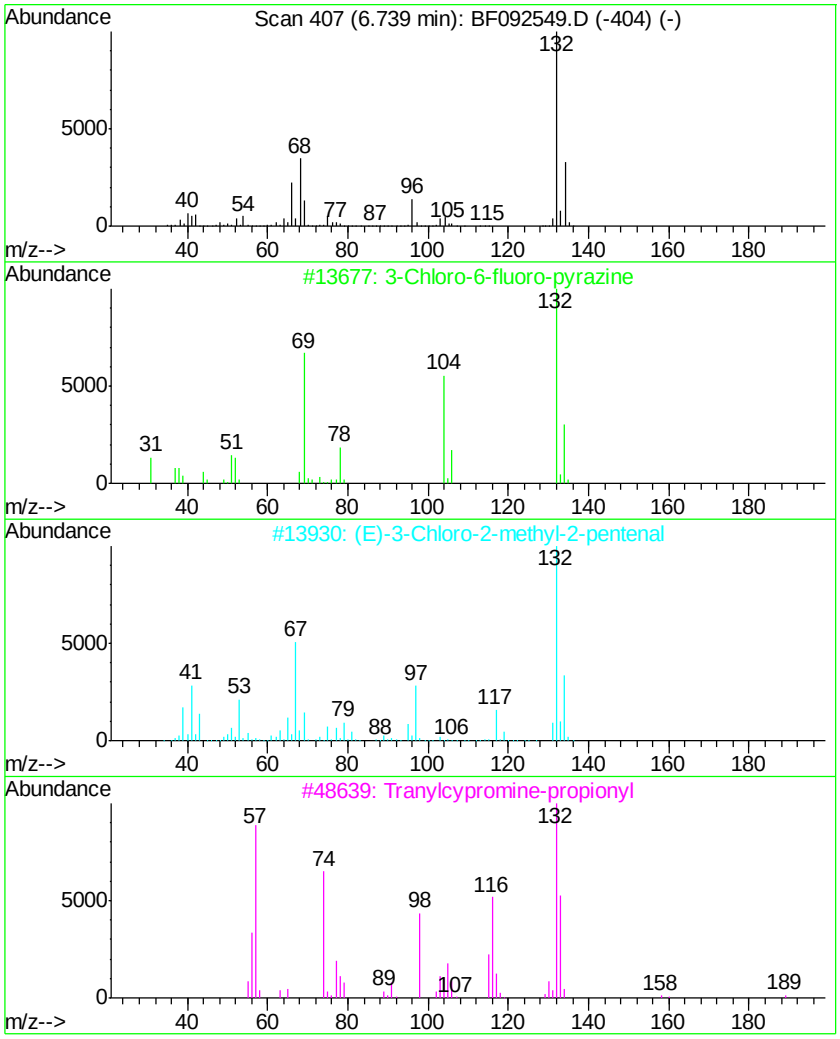
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

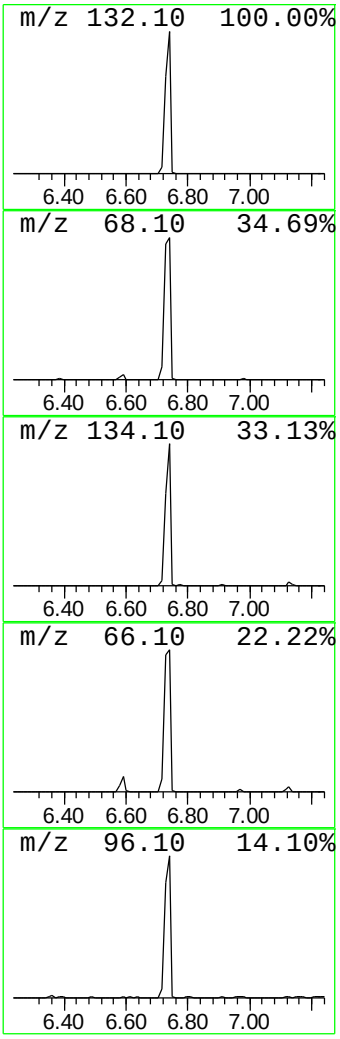
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	64.87 ng	4084830	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092549.D
Acq On : 27 Jan 2017 2:26
Operator : SJ/MA
Sample : I1452-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

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

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

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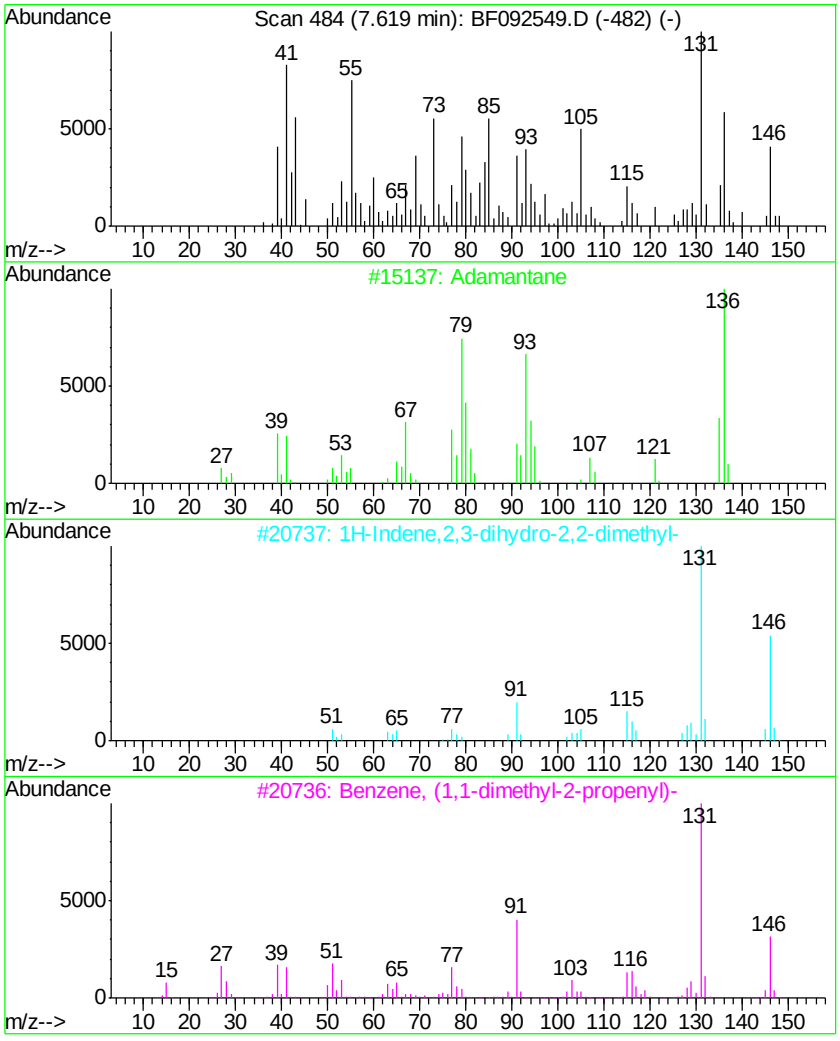
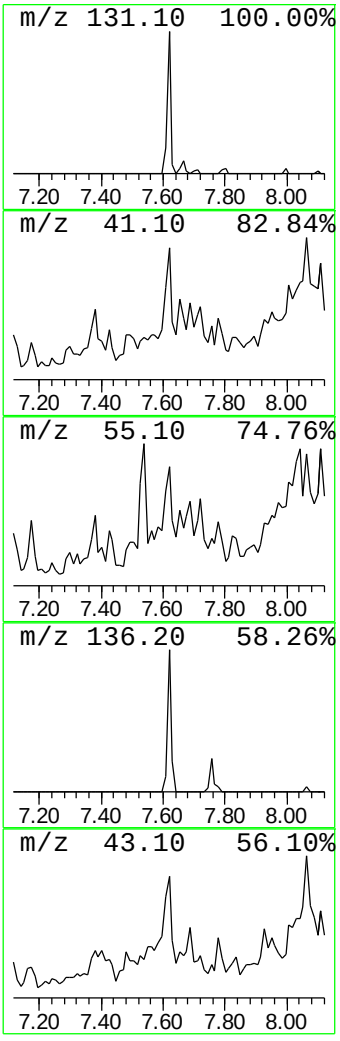
Peak Number 4 Adamantane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	5.57 ng	447752	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	96
2	1H-Indene,2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	68
3	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	60
4	Benzene, (2-methyl-1-methylenepr...	146	C11H14	017498-71-4	50
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	35





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

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

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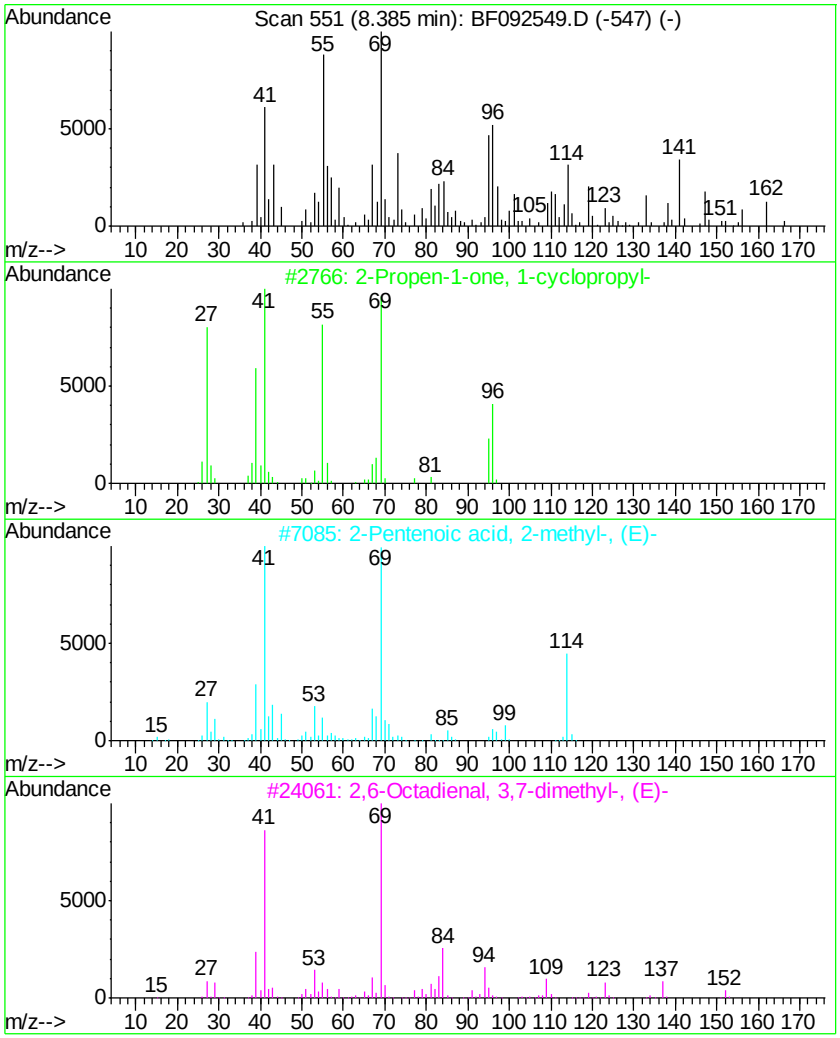
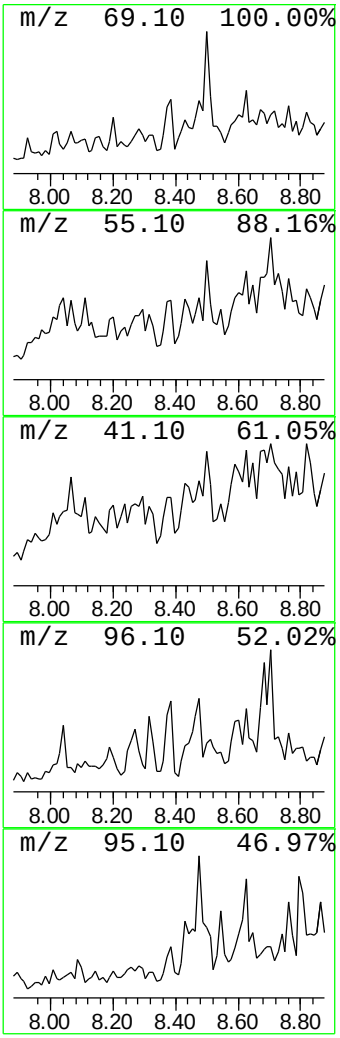
Peak Number 5 unknown8.38 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	4.88 ng	392121	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propen-1-one, 1-cyclopropyl-	96	C6H8O	059819-62-4	35
2	2-Pentenoic acid, 2-methyl-, (E)-	114	C6H10O2	016957-70-3	25
3	2,6-Octadienal, 3,7-dimethyl-, (E)-	152	C10H16O	000141-27-5	25
4	cis-Bicyclo[3.3.0]octane-3,7-dione	138	C8H10O2	051716-63-3	22
5	2-Pentenoic acid, 2-methyl-	114	C6H10O2	003142-72-1	22





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Sample : I1452-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

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

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

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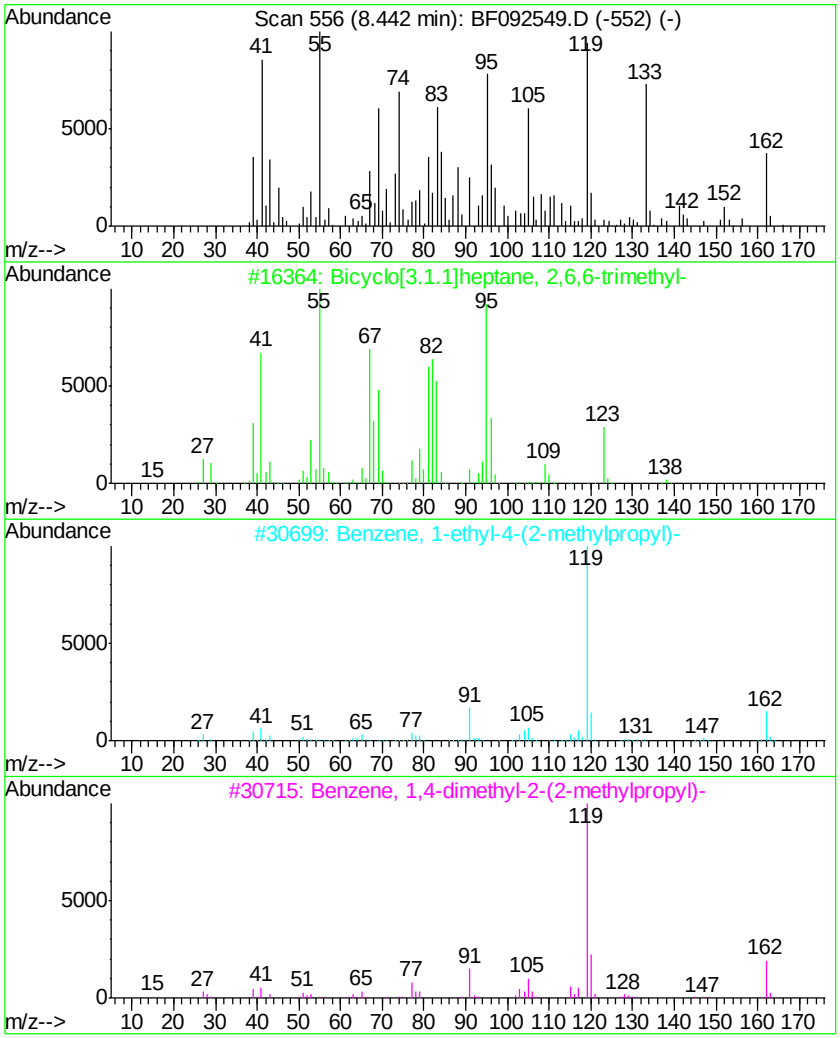
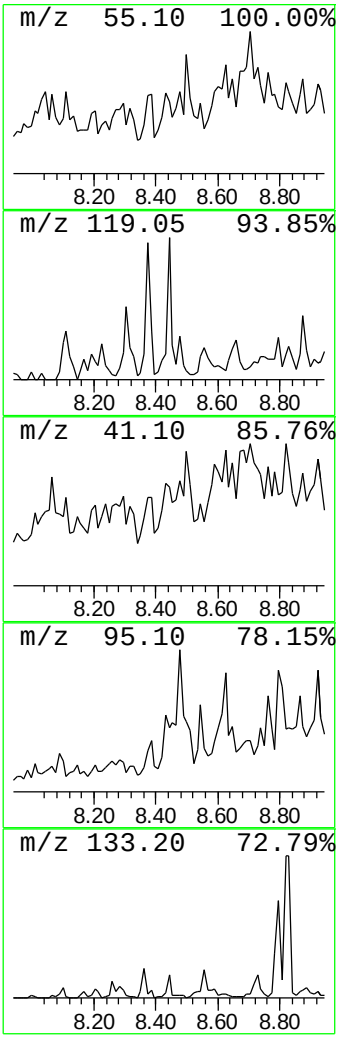
Peak Number 6 unknown8.44 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	6.57 ng	527437	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	30
2	Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	25
3	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	15
4	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	15
5	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	14





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092549.D
Acq On : 27 Jan 2017 2:26
Operator : SJ/MA
Sample : I1452-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

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

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

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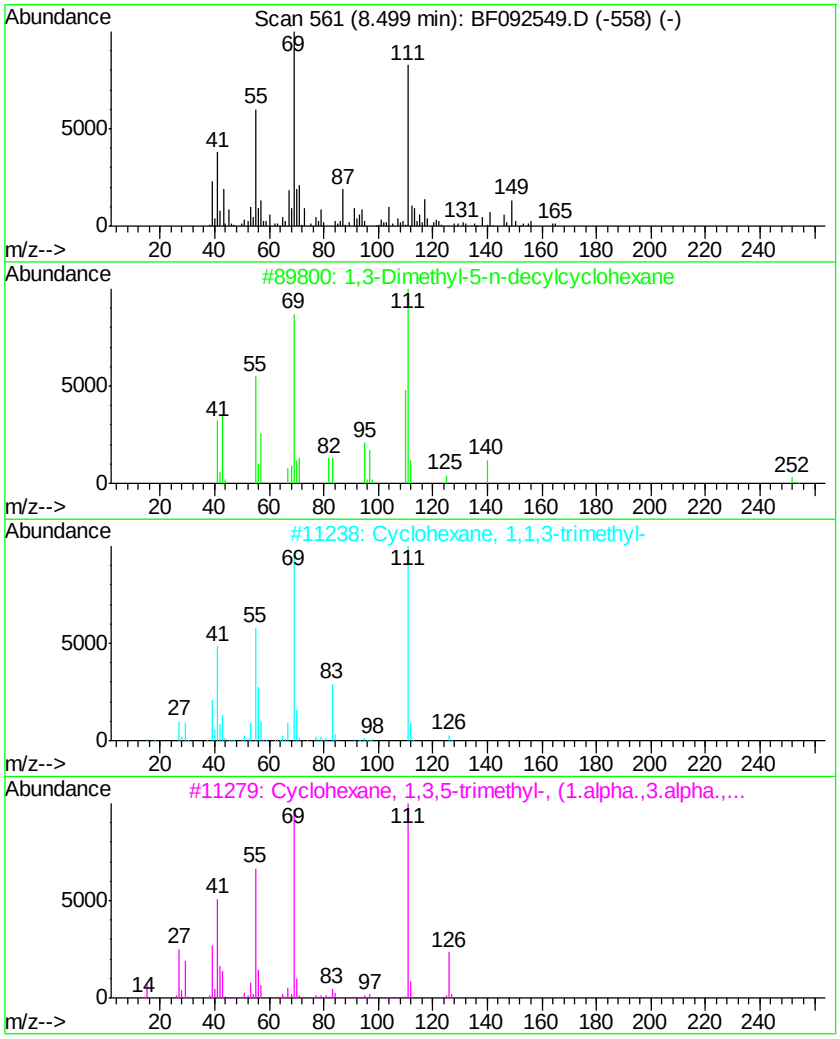
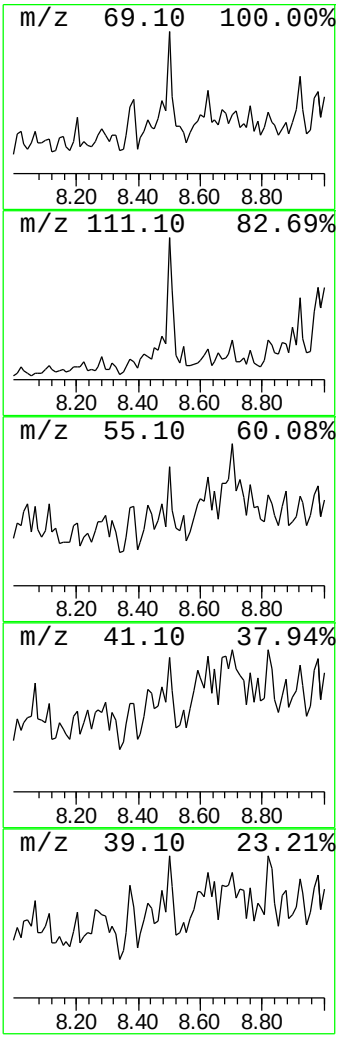
Peak Number 7 1,3-Dimethyl-5-n-decylcyclo... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	6.06 ng	486565	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-5-n-decylcyclohexane	252	C18H36	086710-36-3	59
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	53
4	Cyclooctane, ethyl-	140	C10H20	013152-02-8	53
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092549.D
Acq On : 27 Jan 2017 2:26
Operator : SJ/MA
Sample : I1452-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

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

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

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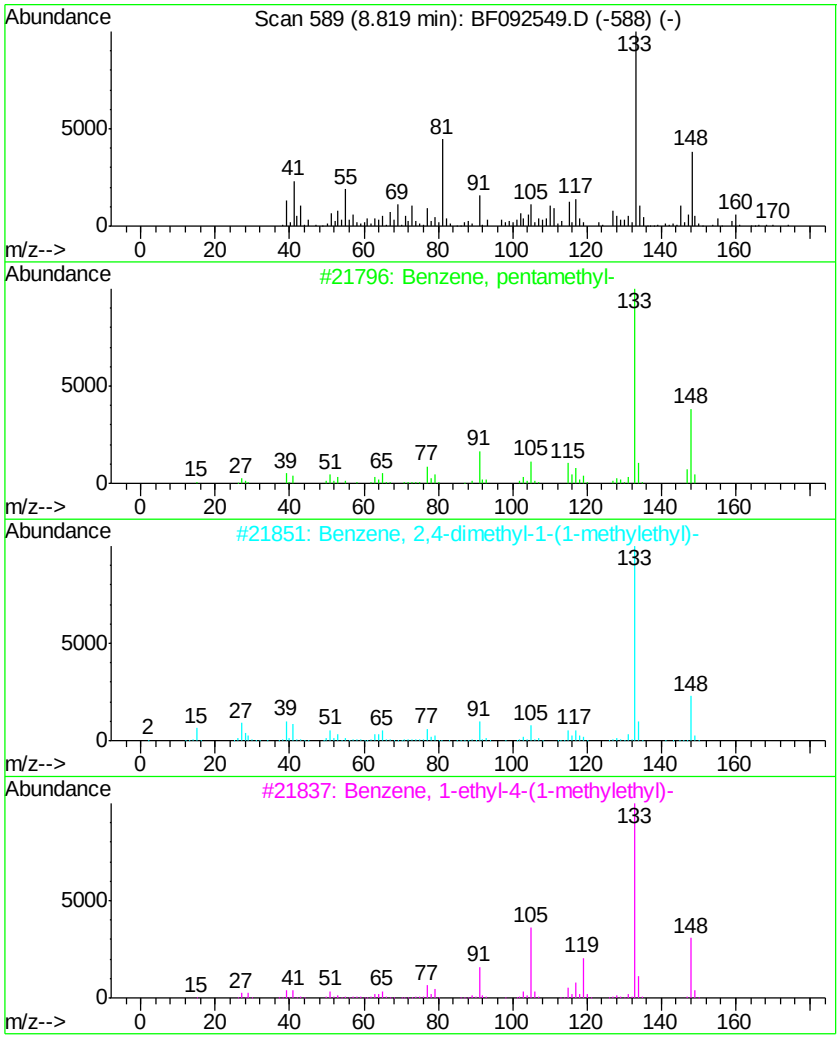
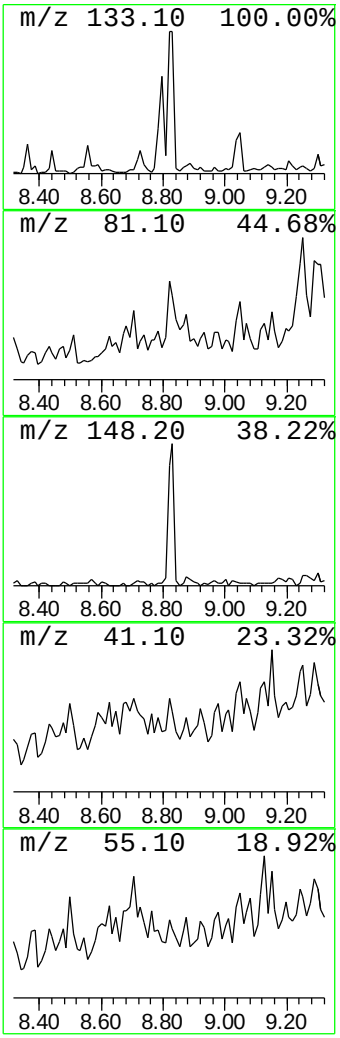
Peak Number 8 Benzene, pentamethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	5.80 ng	466114	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	86
2	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	70
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	62
4	4-tert-Butyltoluene	148	C11H16	000098-51-1	58
5	2-tert-Butyltoluene	148	C11H16	001074-92-6	58





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Operator : SJ/MA
Sample : I1452-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

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ClientSampleId : W-38

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

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

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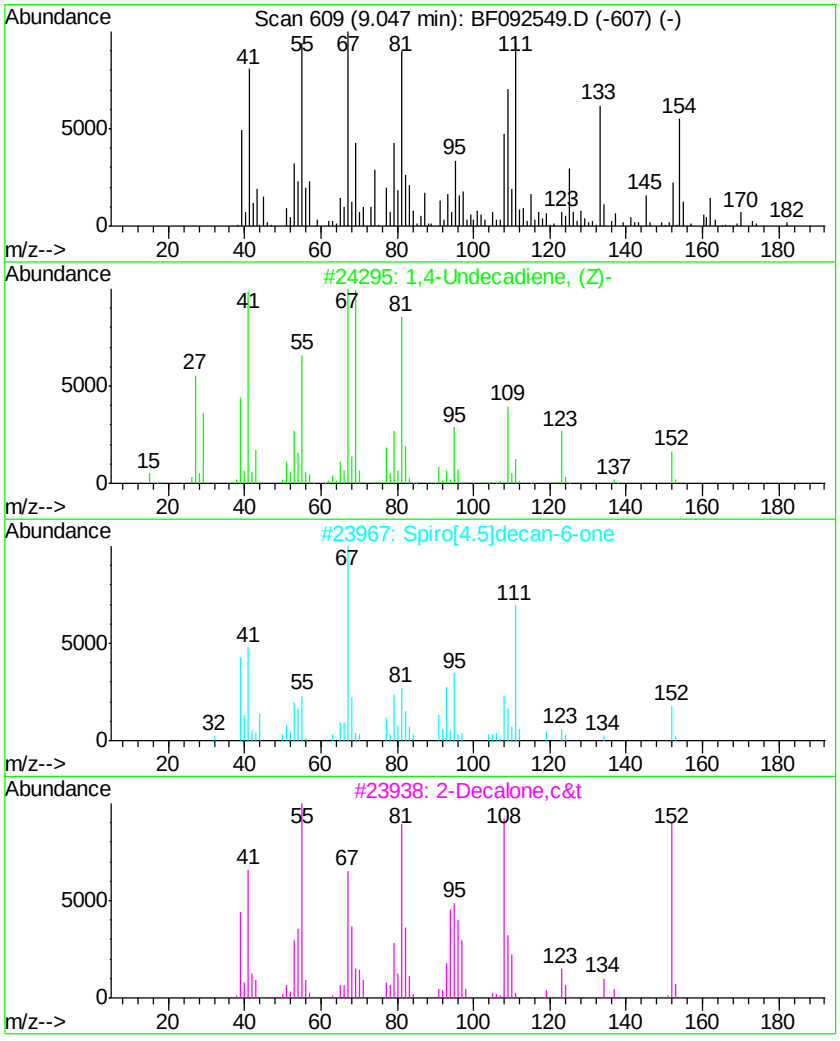
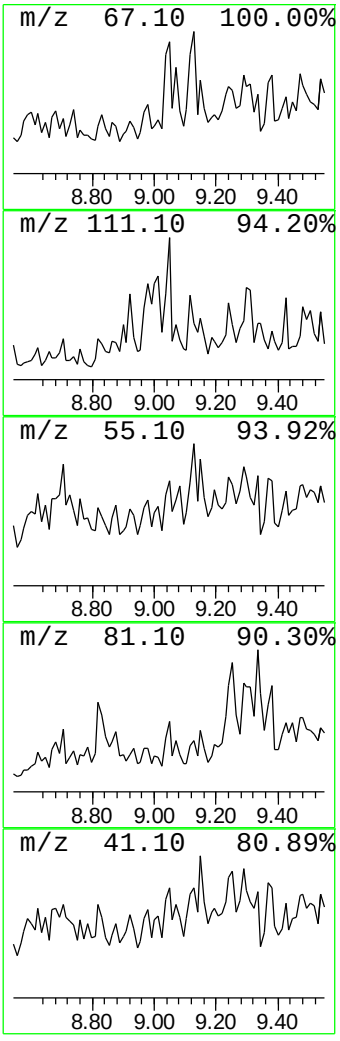
Peak Number 9 unknown9.05 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	5.98 ng	480681	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Undecadiene, (Z)-	152	C11H20	055976-14-2	46
2	Spiro[4.5]decan-6-one	152	C10H16O	013388-94-8	45
3	2-Decalone,c&t	152	C10H16O	004832-17-1	41
4	Spiro[5.5]undecane	152	C11H20	000180-43-8	38
5	5-Dodecyne	166	C12H22	019780-12-2	30





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Sample : I1452-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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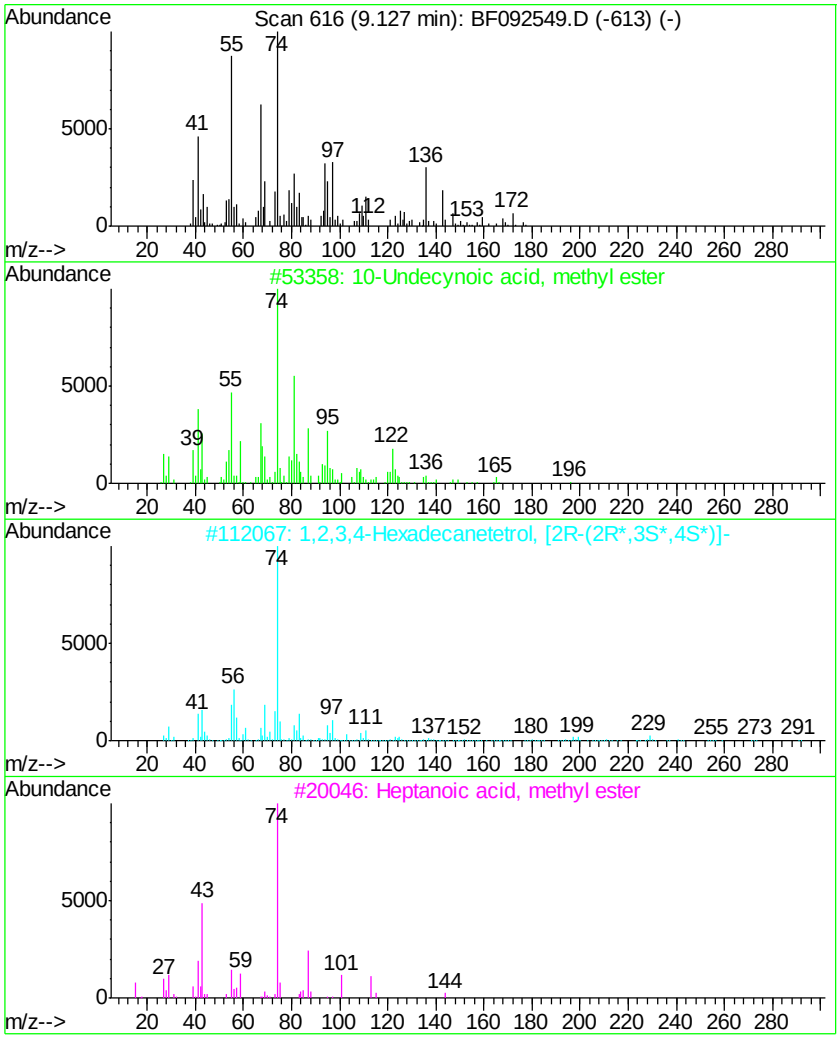
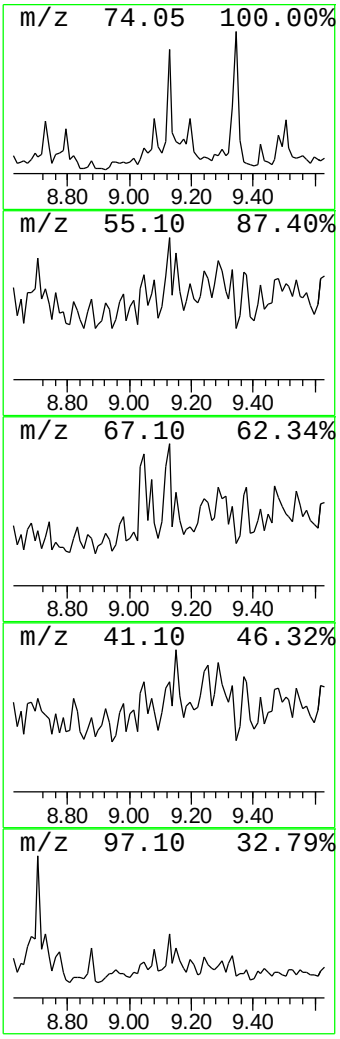
Peak Number 10 unknown9.13 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	5.84 ng	469436	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Undecynoic acid, methyl ester	196	C12H20O2	002777-66-4	43
2	1,2,3,4-Hexadecanetetrol, [2R-(2...	290	C16H34O4	136953-06-5	25
3	Heptanoic acid, methyl ester	144	C8H16O2	000106-73-0	22
4	13-Tetradecynoic acid, methyl ester	238	C15H26O2	056909-03-6	16
5	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	14





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ClientSampleId : W-38

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TIC Library : C:\DATABASE\NIST02.L
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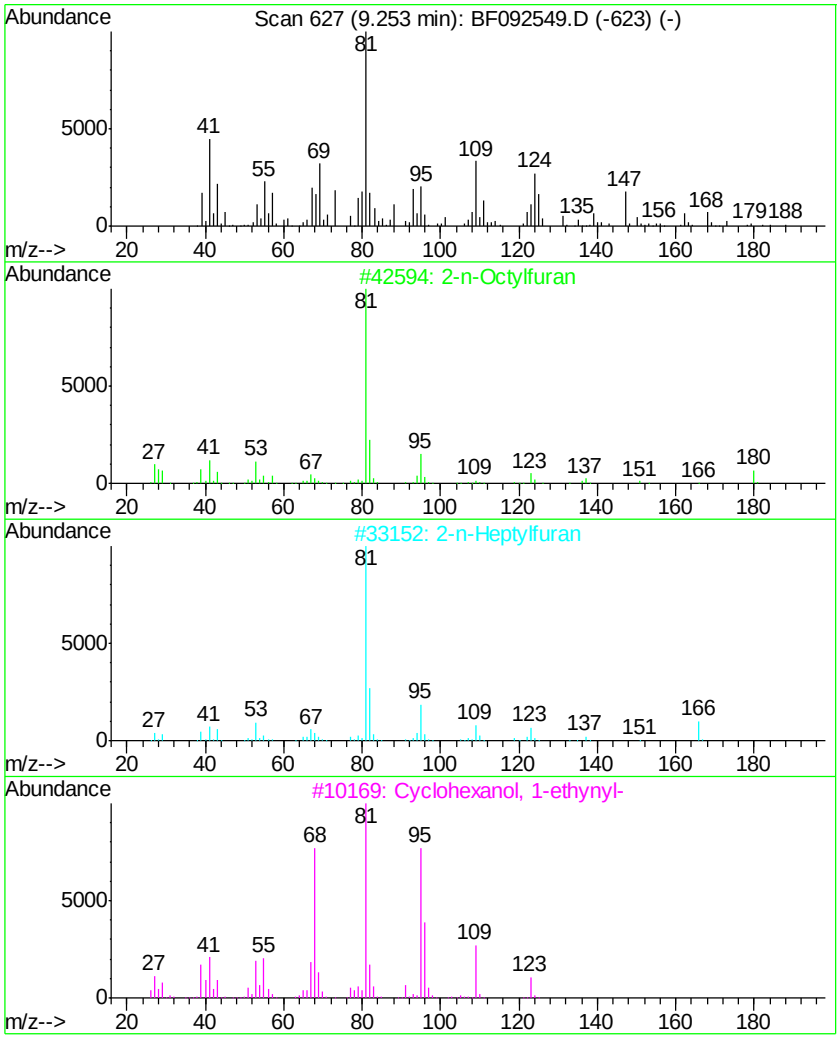
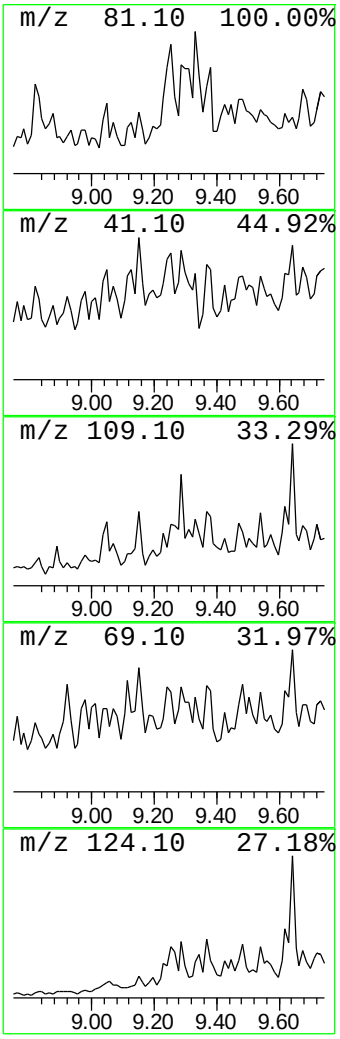
Peak Number 11 unknown9.25 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	8.10 ng	714930	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-n-Octylfuran	180	C12H20O	004179-38-8	43
2	2-n-Heptylfuran	166	C11H18O	003777-71-7	37
3	Cyclohexanol, 1-ethynyl-	124	C8H12O	000078-27-3	37
4	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	37
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	37





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Sample : I1452-02
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ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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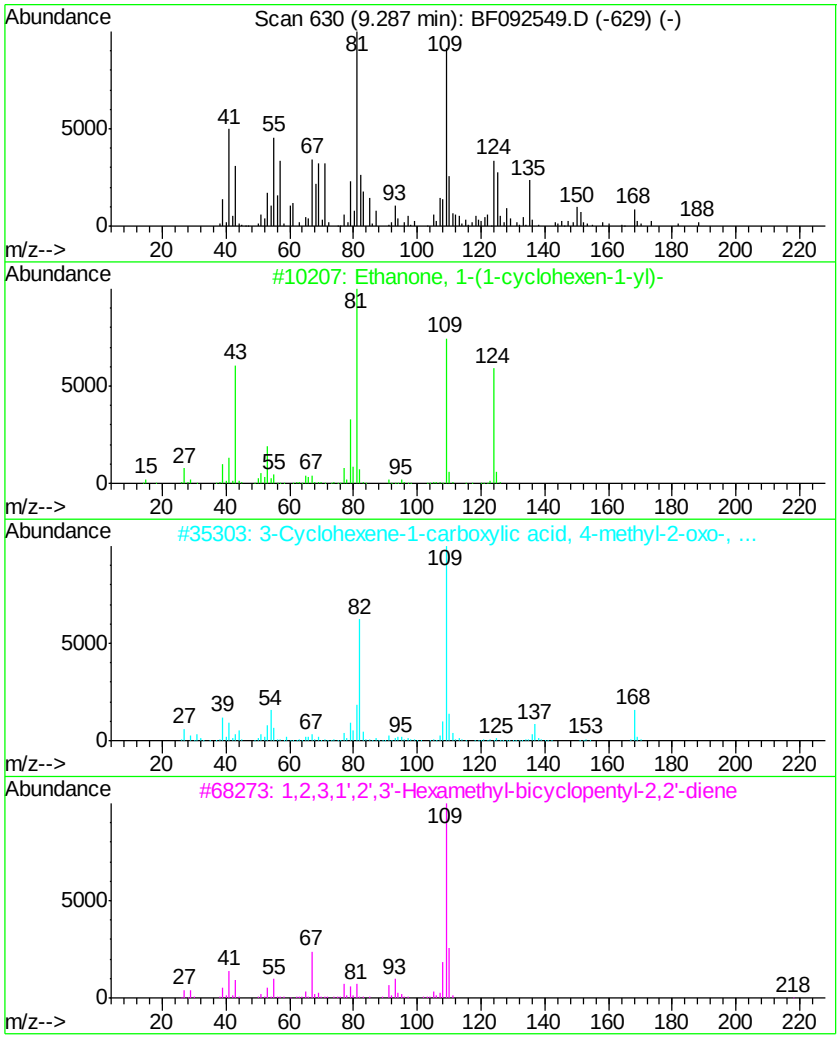
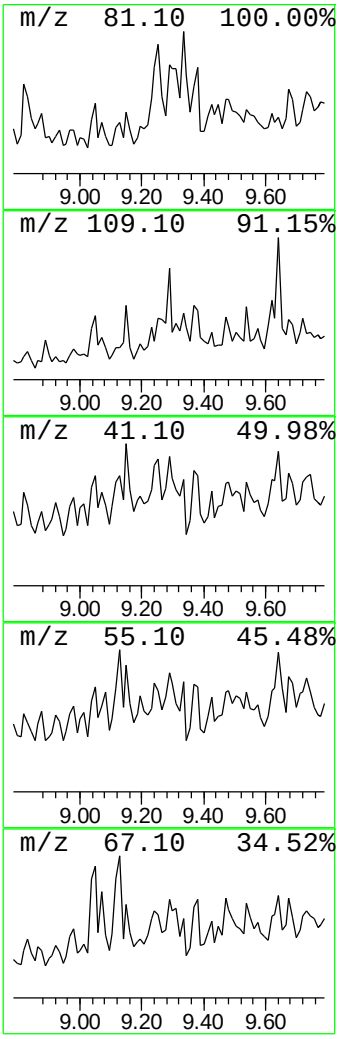
Peak Number 12 unknown9.29 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	5.29 ng	466921	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(1-cyclohexen-1-yl)-	124	C8H12O	000932-66-1	43
2	3-Cyclohexene-1-carboxylic acid,...	168	C9H12O3	035573-99-0	27
3	1,2,3,1',2',3'-Hexamethyl-bicycl...	218	C16H26	051999-35-0	27
4	2-Acetyl-5-methylfuran	124	C7H8O2	001193-79-9	27
5	Phenol, 4-amino-	109	C6H7NO	000123-30-8	27





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Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

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

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

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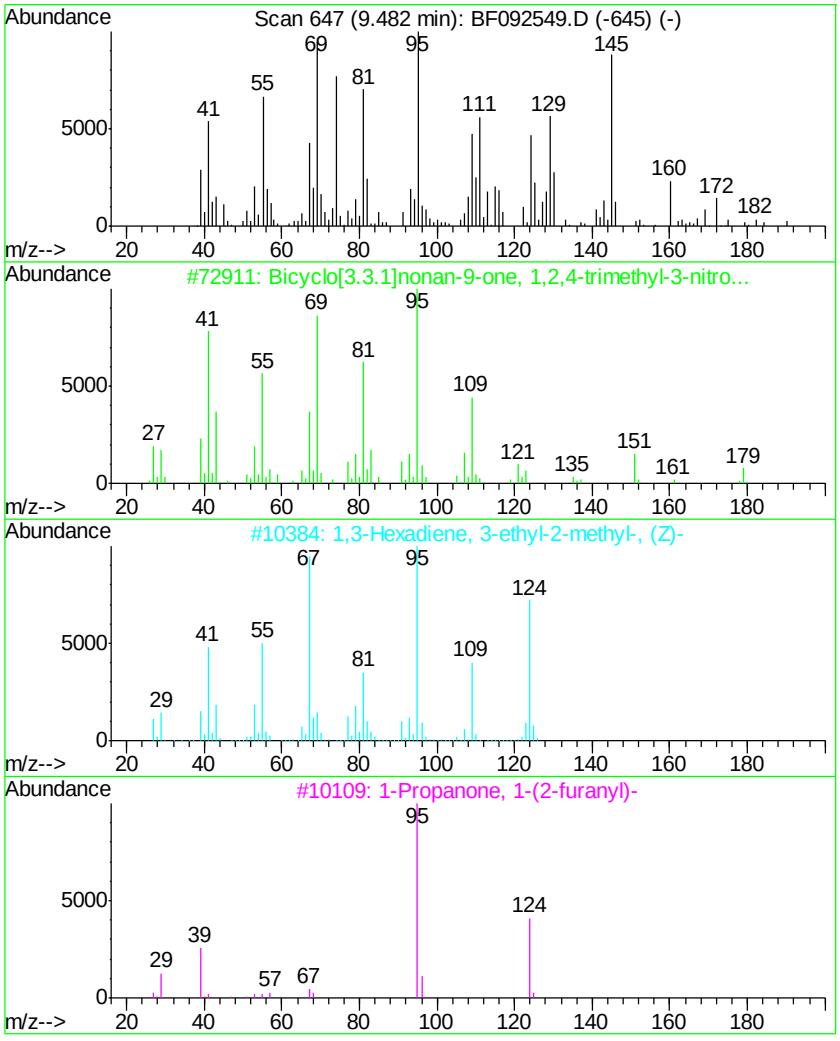
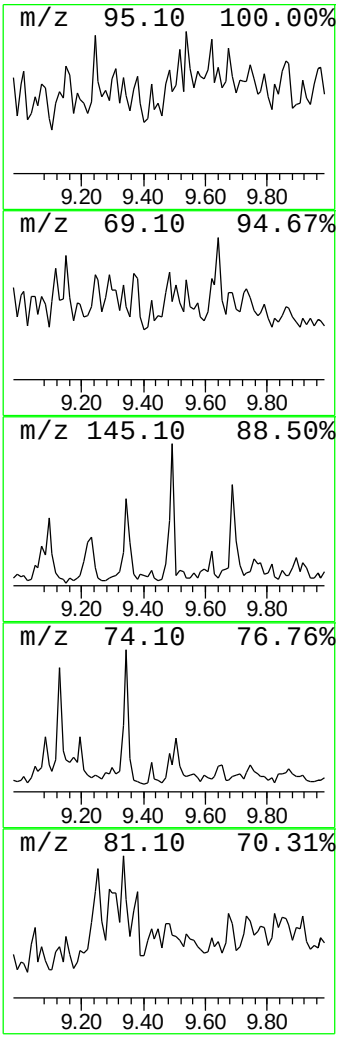
Peak Number 13 unknown9.48 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	5.81 ng	513002	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.1]nonan-9-one, 1,2,4...	225	C12H19NO3	129967-65-3	16
2	1,3-Hexadiene, 3-ethyl-2-methyl-...	124	C9H16	074752-97-9	11
3	1-Propanone, 1-(2-furanyl)-	124	C7H8O2	003194-15-8	11
4	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	10
5	2,6-Dimethyl-6-chlorohept-2-ene	160	C9H17Cl	006076-48-8	10





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ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

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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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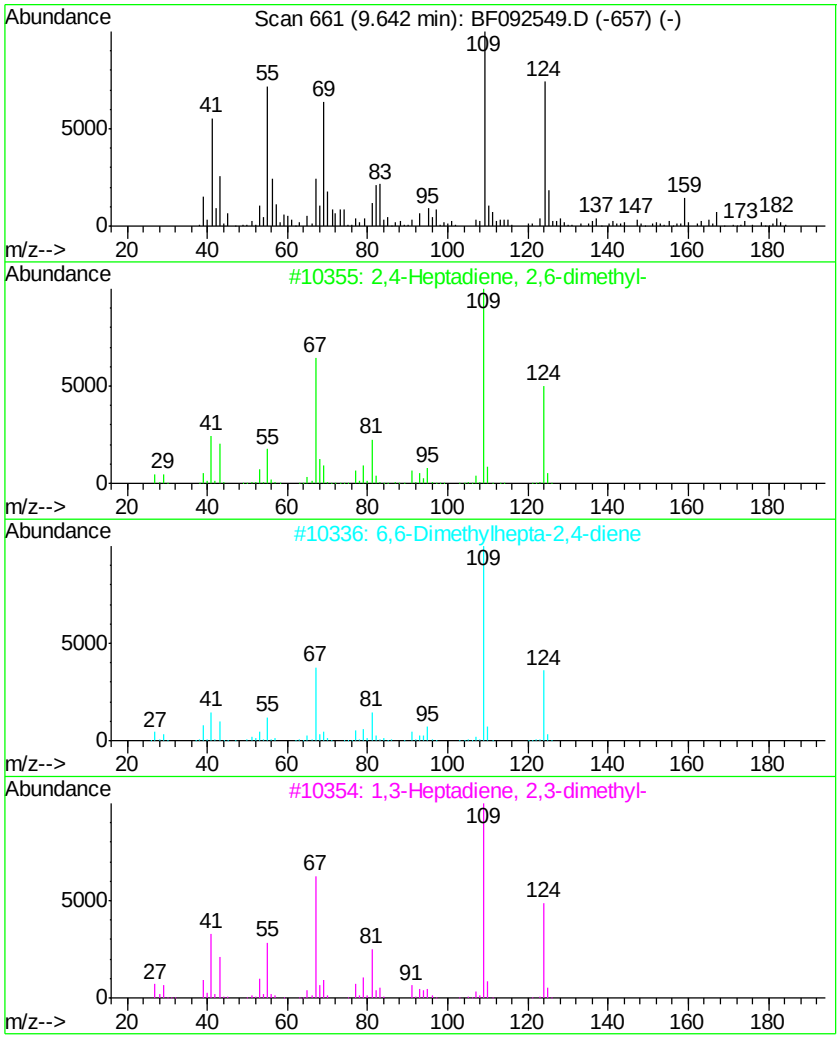
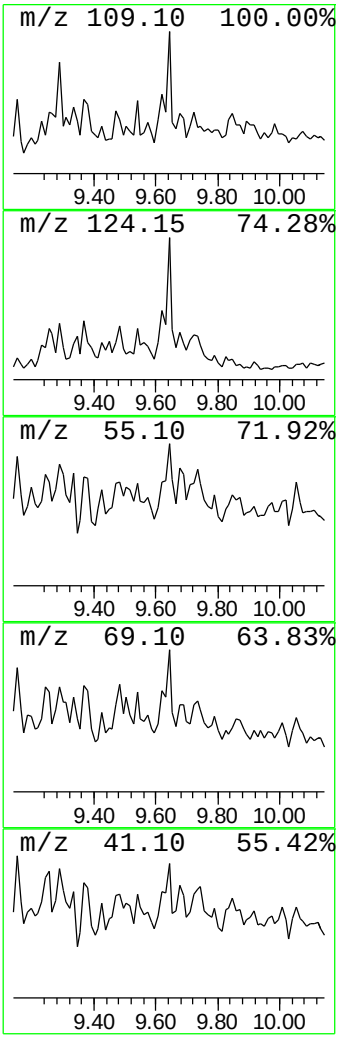
Peak Number 14 2,4-Heptadiene, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	7.63 ng	673591	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	64
2	6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	59
3	1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	59
4	Phenol, 4-methoxy-, acetate	166	C9H10O3	001200-06-2	53
5	2-Butanoyl-5-methylfuran	152	C9H12O2	090673-55-5	53





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Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

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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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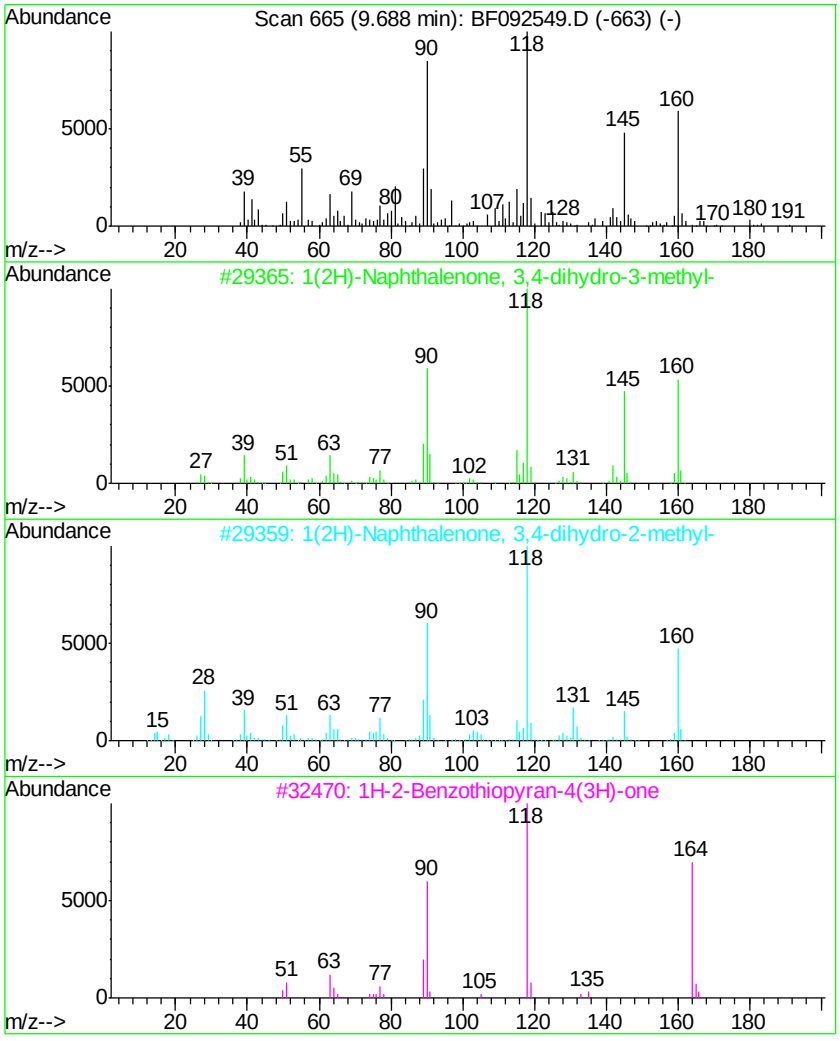
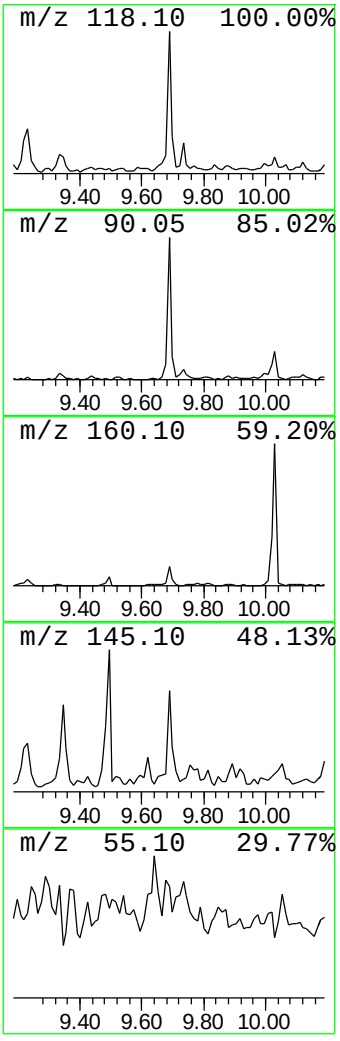
Peak Number 15 1(2H)-Naphthalenone, 3,4-di... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	5.23 ng	461196	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	96
2	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	001590-08-5	90
3	1H-2-Benzothiopyran-4(3H)-one	164	C9H8OS	004426-76-0	76
4	1(2H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000529-34-0	72
5	Homophthalimide	161	C9H7NO2	004456-77-3	64





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Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
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TIC Library : C:\DATABASE\NIST02.L
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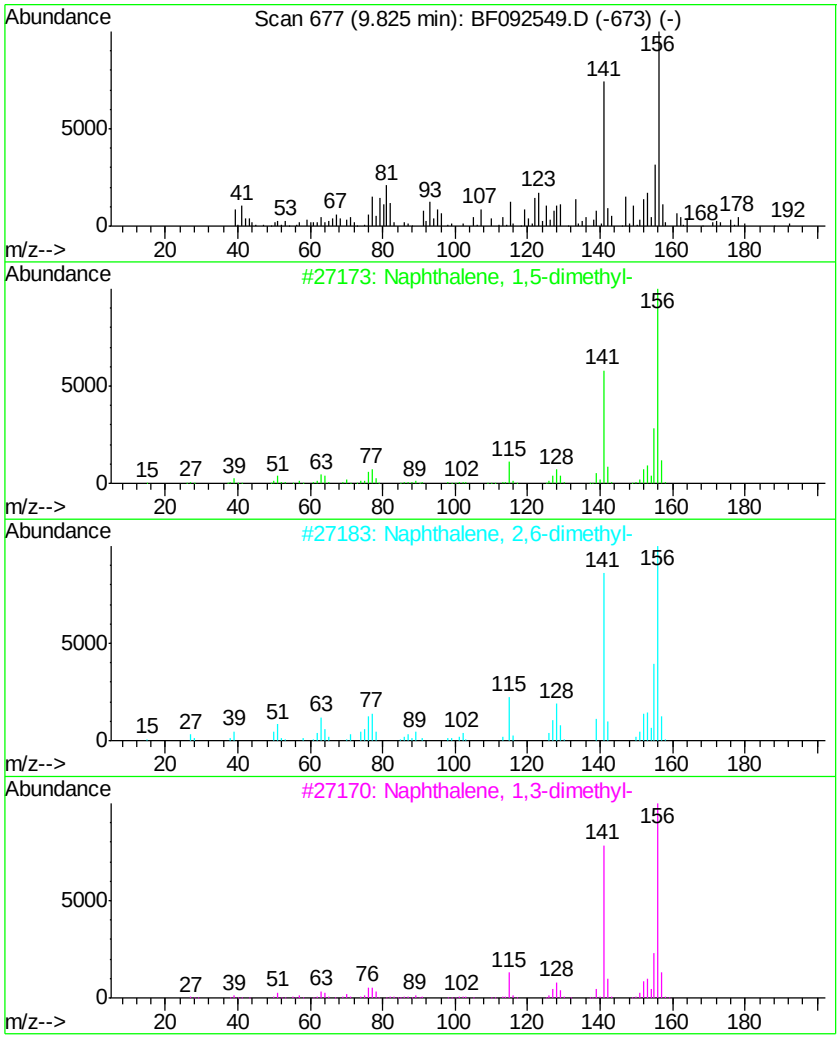
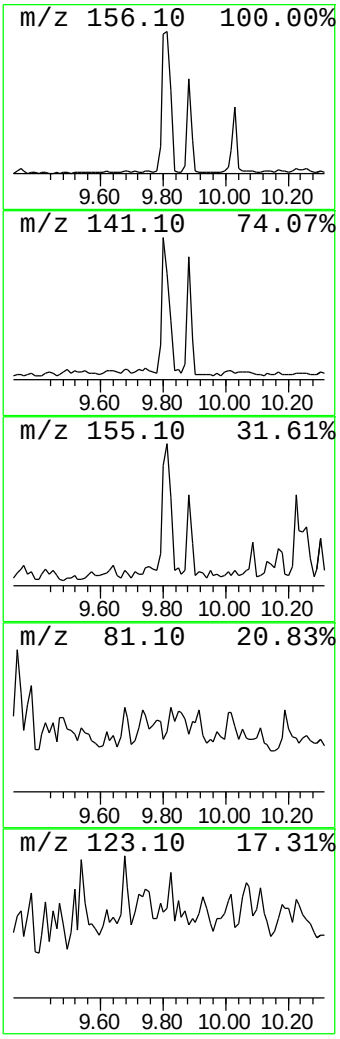
Peak Number 16 Naphthalene, 1,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	5.06 ng	446376	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93





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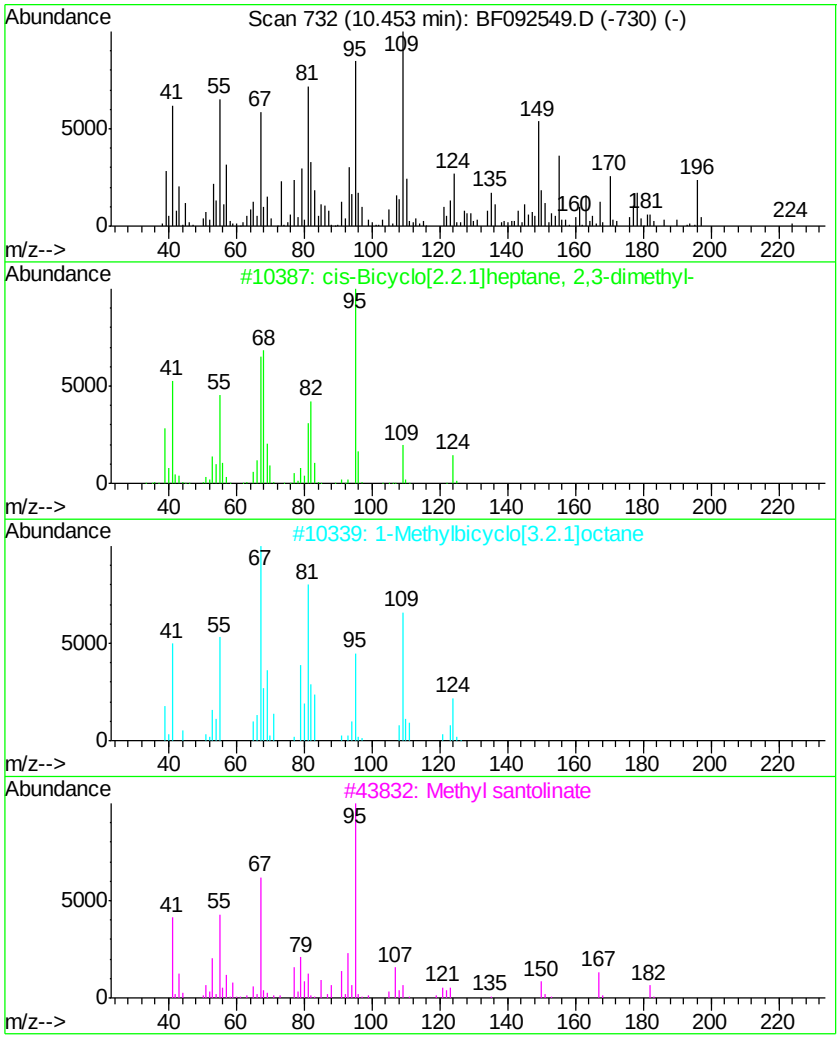
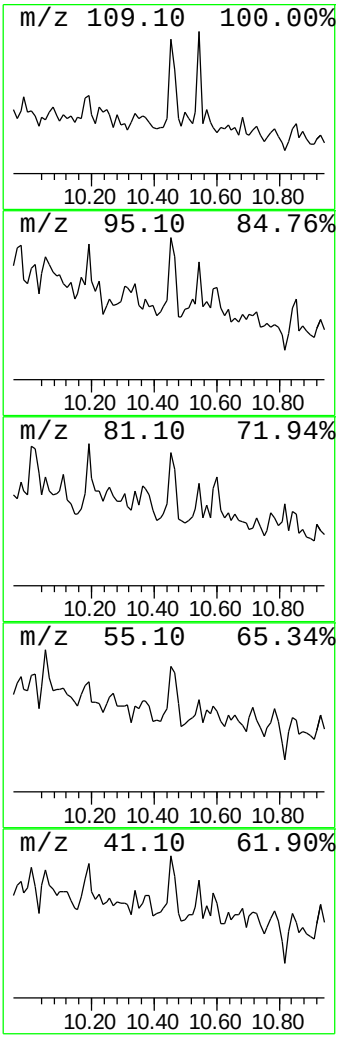
Peak Number 17 unknown10.45 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	6.55 ng	578395	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Bicyclo[2.2.1]heptane, 2,3-d...	124	C9H16	1000262-02-5	46
2	1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	41
3	Methyl santolinate	182	C11H18O2	053163-37-4	38
4	Cyclobutaneacetonitrile, 1-methy...	149	C10H15N	055760-14-0	38
5	4-Methyl-1,3-heptadiene (c,t)	110	C8H14	017603-57-5	30





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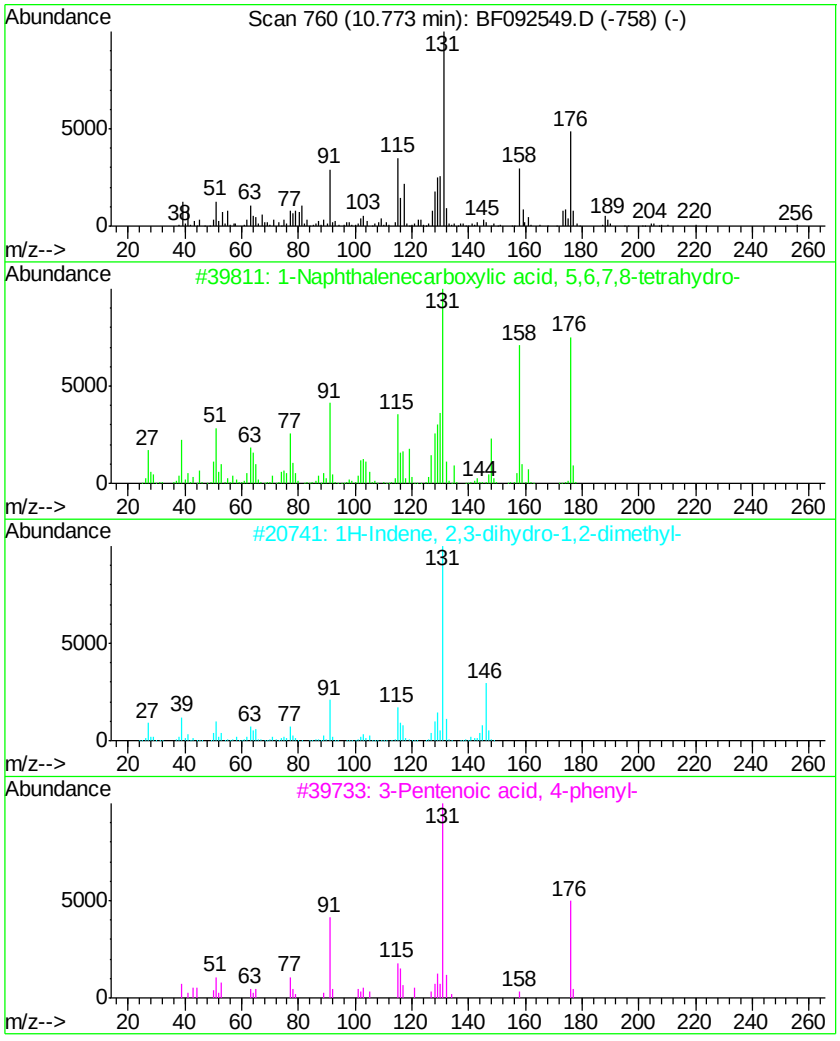
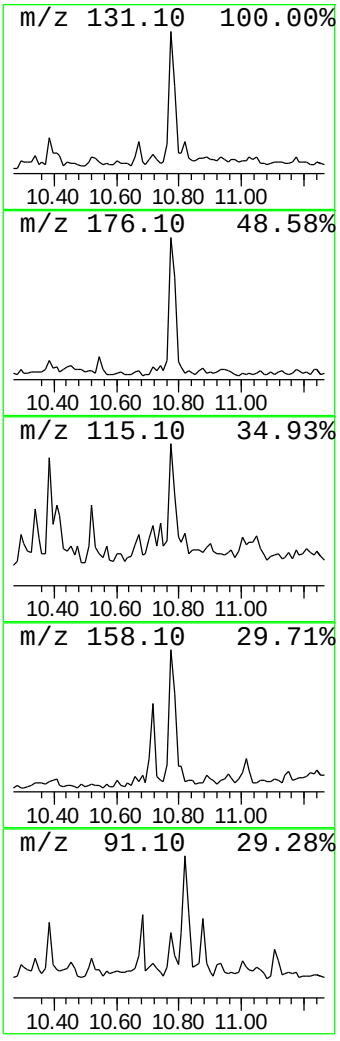
Peak Number 18 1-Naphthalenecarboxylic aci... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	6.15 ng	472634	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarboxylic acid, 5,...	176	C11H12O2	004242-18-6	52
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	43
3	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	42
4	Benzene, (1,2-dicyclopropyl-2-ph...	262	C20H22	110330-90-0	38
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	066324-83-2	38





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Misc :
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Instrument : BNA_F
ClientSampleId : W-38

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
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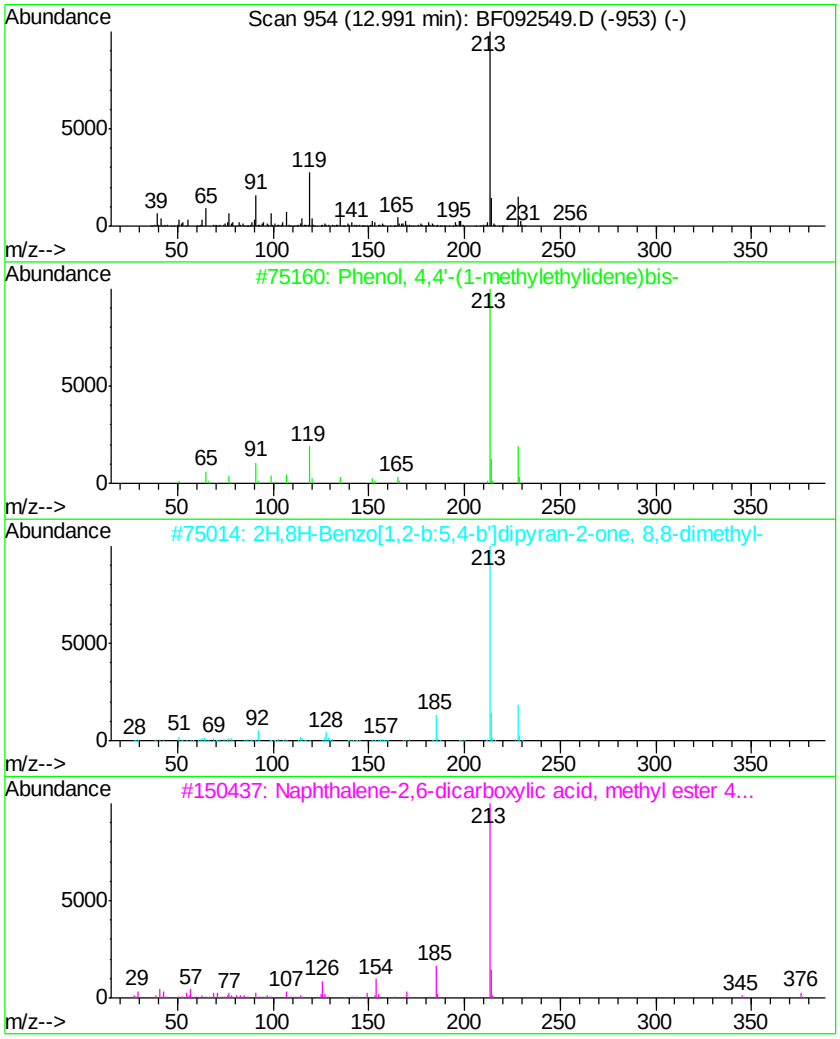
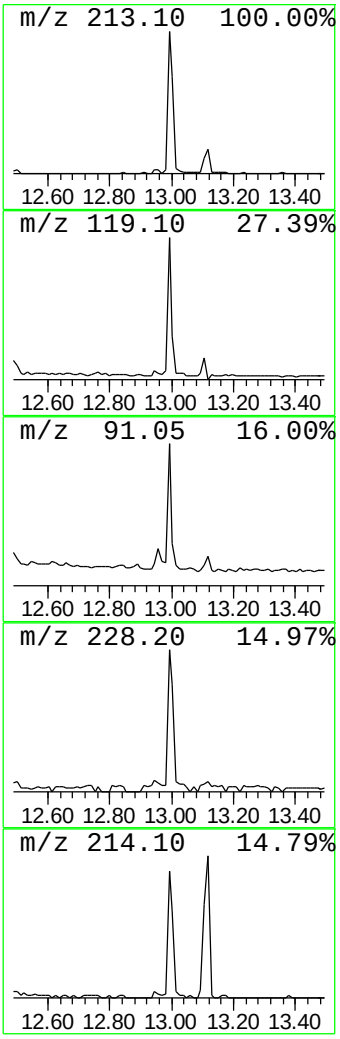
Peak Number 19 Phenol, 4,4'-(1-methylethyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	6.38 ng	425569	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	97
2	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	62
3	Naphthalene-2,6-dicarboxylic aci...	376	C24H24O4	1000189-60-8	50
4	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	49
5	1-Tripropylsilyloxycyclohexane	256	C15H32OSi	017906-15-9	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092549.D
Acq On : 27 Jan 2017 2:26
Operator : SJ/MA
Sample : I1452-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

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

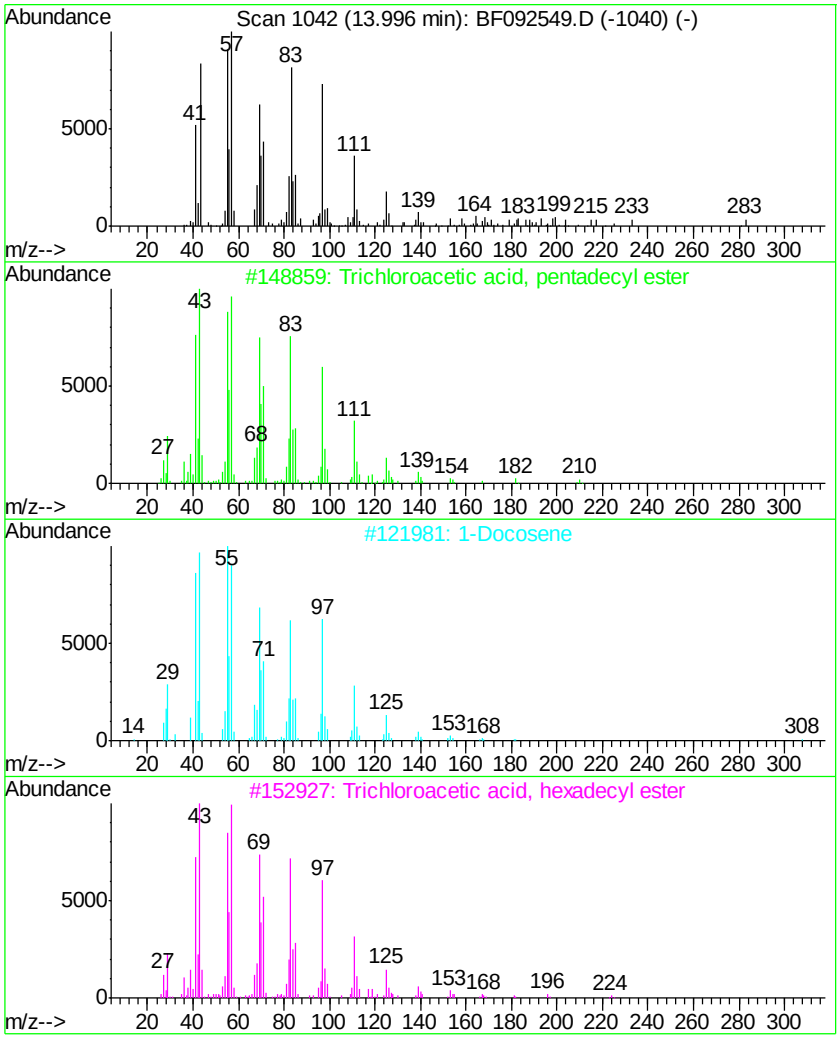
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

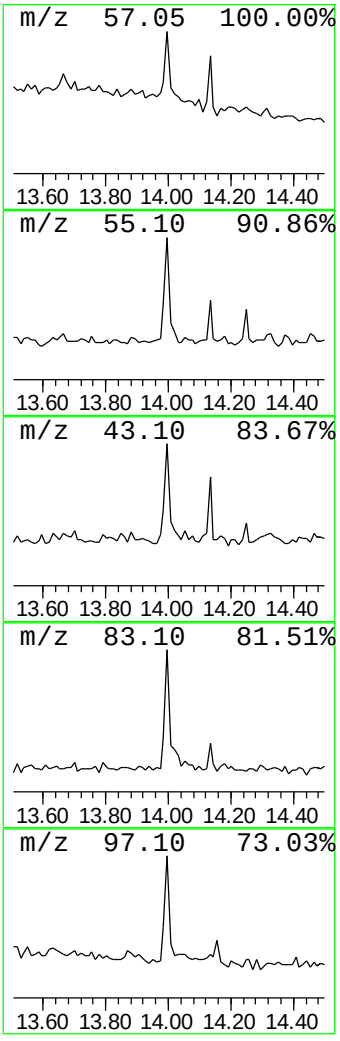
****

Peak Number 20 Trichloroacetic acid, penta... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	5.52 ng	368342	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
2	1-Docosene	308	C22H44	001599-67-3	91
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
4	11-Tricosene	322	C23H46	052078-56-5	90
5	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
Data File : BF092549.D
Acq On : 27 Jan 2017 2:26
Operator : SJ/MA
Sample : I1452-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-38

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.15	11.0	ng	691878	1	6.97	1259460	20.0
unknown6.74	6.74	64.9	ng	4084830	1	6.97	1259460	20.0
Adamantane	7.62	5.6	ng	447752	2	8.26	1606390	20.0
unknown8.38	8.38	4.9	ng	392121	2	8.26	1606390	20.0
unknown8.44	8.44	6.6	ng	527437	2	8.26	1606390	20.0
1,3-Dimethyl-5-n-...	8.50	6.1	ng	486565	2	8.26	1606390	20.0
Benzene, pentamet...	8.82	5.8	ng	466114	2	8.26	1606390	20.0
unknown9.05	9.05	6.0	ng	480681	2	8.26	1606390	20.0
unknown9.13	9.13	5.8	ng	469436	2	8.26	1606390	20.0
unknown9.25	9.25	8.1	ng	714930	3	10.03	1764770	20.0
unknown9.29	9.29	5.3	ng	466921	3	10.03	1764770	20.0
unknown9.48	9.48	5.8	ng	513002	3	10.03	1764770	20.0
2,4-Heptadiene, 2...	9.64	7.6	ng	673591	3	10.03	1764770	20.0
1(2H)-Naphthaleno...	9.69	5.2	ng	461196	3	10.03	1764770	20.0
Naphthalene, 1,5-...	9.82	5.1	ng	446376	3	10.03	1764770	20.0
unknown10.45	10.45	6.5	ng	578395	3	10.03	1764770	20.0
1-Naphthalenecarb...	10.77	6.2	ng	472634	4	11.52	1537370	20.0
Phenol, 4,4'-(1-m...	12.99	6.4	ng	425569	5	14.16	1333670	20.0
Trichloroacetic a...	14.00	5.5	ng	368342	5	14.16	1333670	20.0