LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091822.D
Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

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-BF121716.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	4.899	244	246	249	rBV	216939	269751	9.20%	0.520%
2	5.356	284	286	289	rVB	458217	444128	15.15%	0.856%
3	5.493	296	298	301	rBV	55698	78298	2.67%	0.151%
4	5.756	317	321	323	rVB2	95515	160257	5.47%	0.309%
5	5.893	331	333	336	rVB	53659	65532	2.24%	0.126%
6	5.973	336	340	341	rBV3	41865	111200	3.79%	0.214%
7	6.019	341	344	346	rVB3	87683	165212	5.64%	0.318%
8	6.053	346	347	356	rVB4	140669	374157	12.76%	0.721%
9	6.190	356	359	360	rBV	96179	124547	4.25%	0.240%
10	6.282	365	367	372	rBV	433162	535379	18.26%	1.032%
11	6.407	375	378	381	rVB	410677	585547	19.97%	1.129%
12	6.453	381	382	384	rVB	60446	64111	2.19%	0.124%
13	6.533	384	389	391	rBV2	423326	757701	25.85%	1.460%
14	6.613	393	396	398	rVB2	148209	210620	7.18%	0.406%
15	6.727	401	406	407	rBV4	150827	289818	9.89%	0.559%
16	6.762	407	409	413	rVB2	945287	1185062	40.43%	2.284%
17	6.819	413	414	416	rBV2	161874	189555	6.47%	0.365%
18	6.853	416	417	419	rBV2	66378	126108	4.30%	0.243%
19	6.887	419	420	421	rBV	84980	79458	2.71%	0.153%
20	6.910	421	422	426	rVB2	480249	569307	19.42%	1.097%
21	7.002	426	430	431	rBV4	82640	187858	6.41%	0.362%
22	7.036	431	433	435	rVB2	347939	483528	16.49%	0.932%
23	7.082	435	437	438	rBV	165676	176366	6.02%	0.340%
24	7.116	438	440	441	rBV2	76067	114913	3.92%	0.221%
25	7.150	441	443	445	rBV3	361097	439355	14.99%	0.847%
26	7.185	445	446	449	rVB3	218809	292889	9.99%	0.564%
27	7.242	449	451	453	rBV3	110525	168942	5.76%	0.326%
28	7.287	453	455	457	rBV2	353400	597776	20.39%	1.152%
29	7.322	457	458	459	rVB	266856	182930	6.24%	0.353%
30	7.367	459	462	463	rVB2	309068	384413	13.11%	0.741%
31	7.413	463	466	468	rBV4	342345	529366	18.06%	1.020%
32	7.459	468	470	471	rBV2	167633	216864	7.40%	0.418%
33	7.482	471	472	474	rVB2	228861	210805	7.19%	0.406%
34	7.573	474	480	482	rVB4	731397	1262403	43.06%	2.433%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091822.D
Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

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-BF121716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.630	482	485	488	rBV4	214869	591770	20.19%	1.141%
36	7.687	488	490	493	rVB4	803732	937030	31.96%	1.806%
37	7.733	493	494	496	rBV2	156952	180114	6.14%	0.347%
38	7.767	496	497	499	rBV2	135444	157014	5.36%	0.303%
39	7.813	499	501	503	rBV2	258584	337496	11.51%	0.650%
40	7.870	505	506	509	rVB2	288121	317999	10.85%	0.613%
41	7.939	509	512	515	rBV4	311447	860193	29.34%	1.658%
42	8.008	516	518	519	rBV2	145082	133952	4.57%	0.258%
43	8.042	519	521	523	rBV	1246521	1696916	57.89%	3.270%
44	8.122	527	528	529	rBV	441390	363362	12.40%	0.700%
45	8.225	534	537	538	rBV2	568413	690402	23.55%	1.331%
46	8.259	538	540	541	rVB	787966	627322	21.40%	1.209%
47	8.305	541	544	545	rBV2	81623	180500	6.16%	0.348%
48	8.339	545	547	551	rBV3	568745	1265141	43.16%	2.438%
49	8.396	551	552	554	rBV2	273882	429416	14.65%	0.828%
50	8.499	557	561	564	rBV4	645445	1706515	58.21%	3.289%
51	8.556	564	566	567	rBV	439084	499872	17.05%	0.963%
52	8.590	567	569	572	rBV4	693256	921625	31.44%	1.776%
53	8.670	573	576	577	rBV3	279710	572637	19.53%	1.104%
54	8.739	580	582	585	rVB3	510142	793290	27.06%	1.529%
55	8.796	585	587	588	rBV	347105	466156	15.90%	0.898%
56	8.865	591	593	596	rVB4	302418	576983	19.68%	1.112%
57	8.933	597	599	600	rBV2	564090	525690	17.93%	1.013%
58	9.036	606	608	610	rBV2	564974	812418	27.71%	1.566%
59	9.082	610	612	613	rVV2	423302	547993	18.69%	1.056%
60	9.128	613	616	617	rVB2	423037	667492	22.77%	1.286%
61	9.208	620	623	625	rBV2	1365848	2245289	76.59%	4.327%
62	9.459	644	645	647	rBV2	555785	668592	22.81%	1.289%
63	9.516	647	650	653	rVB4	1176372	2040153	69.59%	3.932%
64	9.573	653	655	658	rBV4	453370	997646	34.03%	1.923%
65	9.676	662	664	666	rBV2	674336	1583574	54.02%	3.052%
66	9.711	666	667	669	rVB	1329779	1360959	46.43%	2.623%
67	9.756	669	671	672	rBV	357571	647826	22.10%	1.249%
68	9.802	672	675	676	rBV2	1401152	2239634	76.40%	4.316%
69	9.848	676	679	683	rVV5	450747	1096915	37.42%	2.114%
70	9.916	683	685	686	rVB	556842	612590	20.90%	1.181%
71	10.008	691	693	694	rVB	582040	613535	20.93%	1.182%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091822.D
Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

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-BF121716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.122	701	703	706	rBV2	1236568	1945730	66.37%	3.750%
73	10.213	709	711	714	rVV3	830327	1298795	44.31%	2.503%
74	10.419	726	729	732	rVB2	1047094	1443716	49.25%	2.782%
75	10.796	760	762	763	rBV2	554959	591463	20.18%	1.140%
76	10.934	772	774	780	rVB3	1206514	2931466	100.00%	5.650%
77	11.288	803	805	808	rBV	828124	1074315	36.65%	2.071%

Sum of corrected areas: 51885652

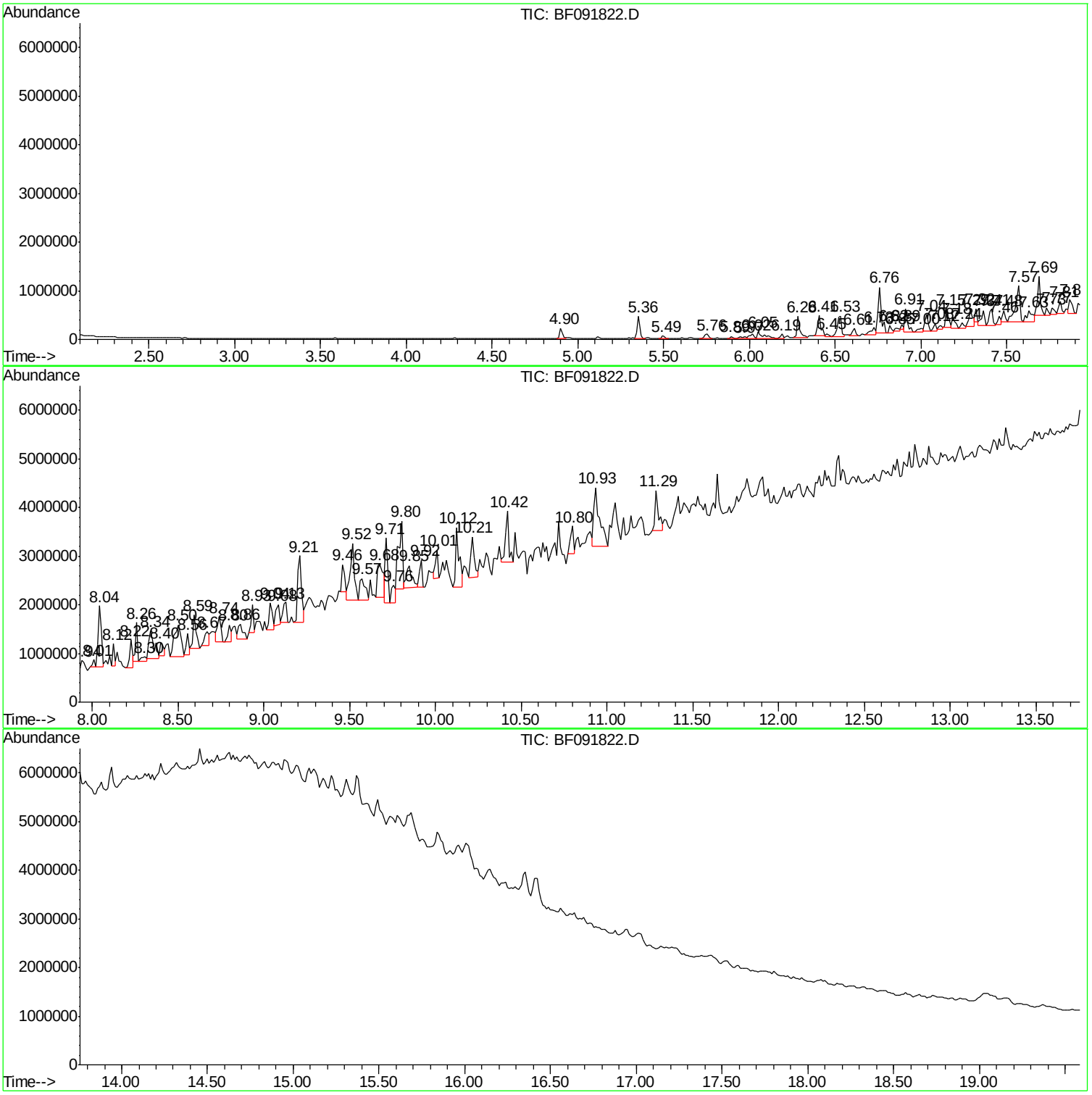
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091822.D
Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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\BF122016\
Data File : BF091822.D
Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

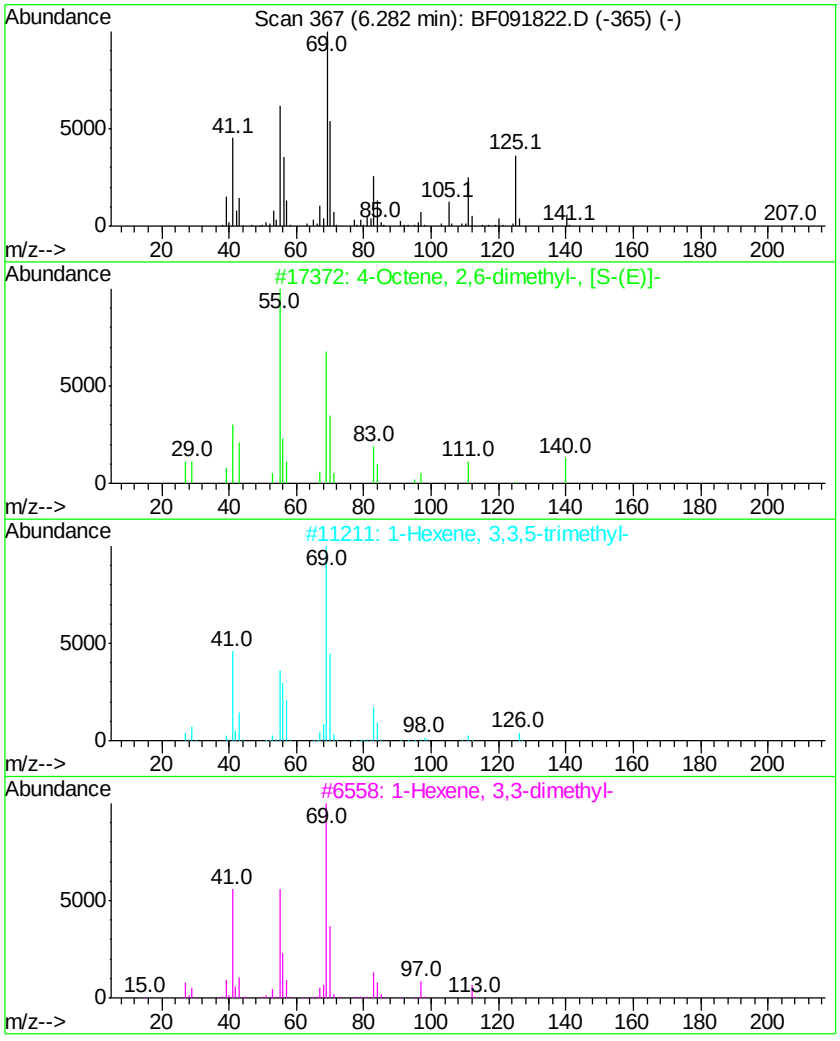
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

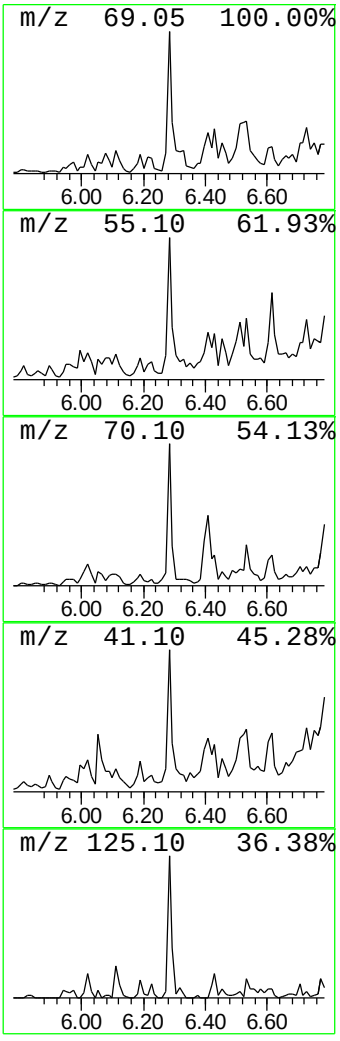
****

Peak Number 1 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.28	9.04 ng	535379	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	68
2	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	64
3	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	62
4	Cyclooctane, butyl-	168	C12H24	016538-93-5	47
5	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091822.D
Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

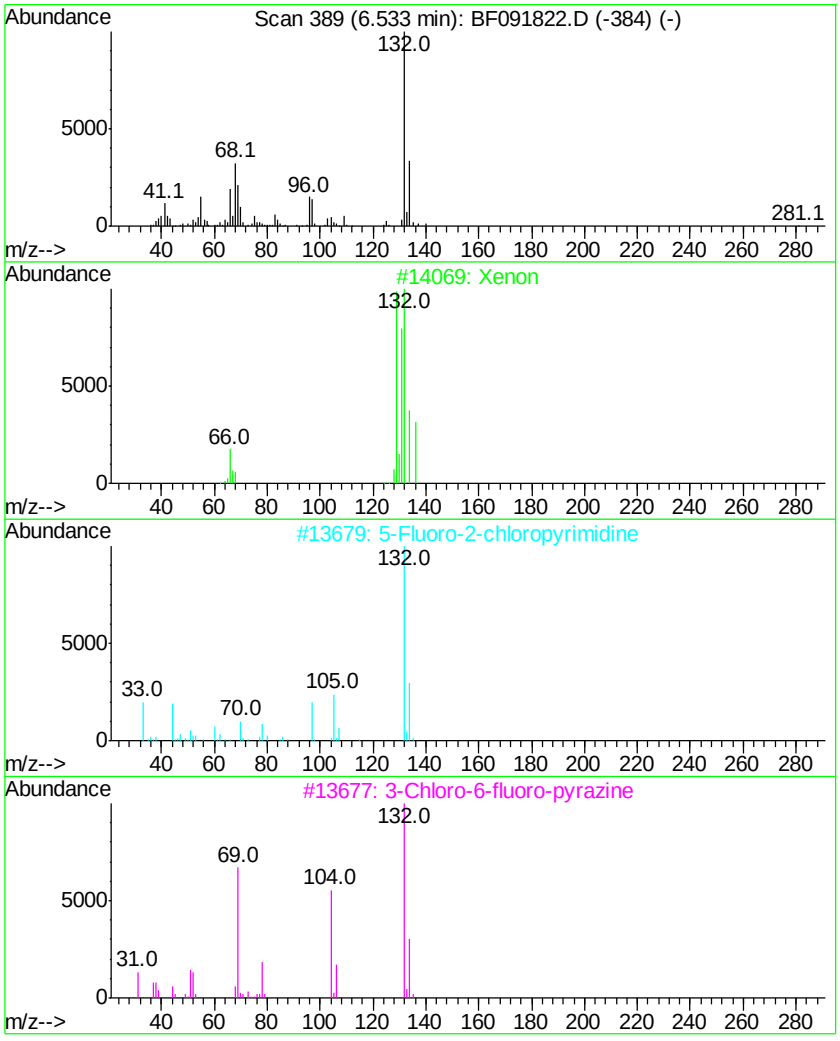
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

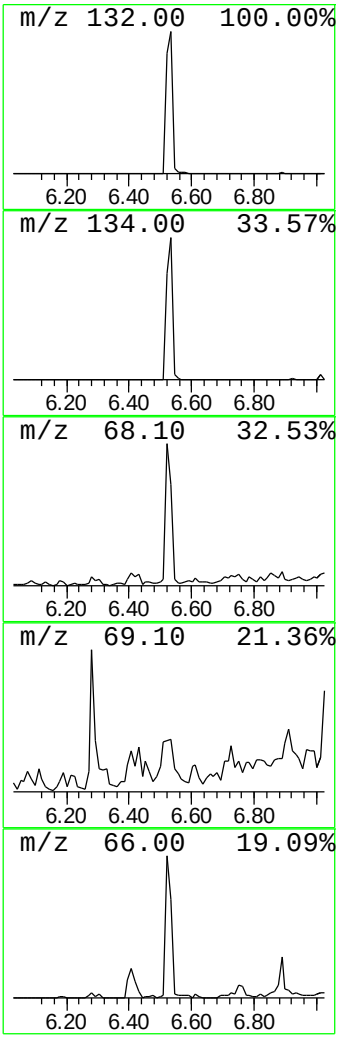
****

Peak Number 2 Xenon Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	12.79 ng	757701	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Xenon	132	Xe	007440-63-3	59
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	38
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
4	Methylphosphonothioicchlorofluoride	132	CH3ClFPS	027127-27-1	25
5	5-Aminoindole	132	C8H8N2	005192-03-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091822.D
Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

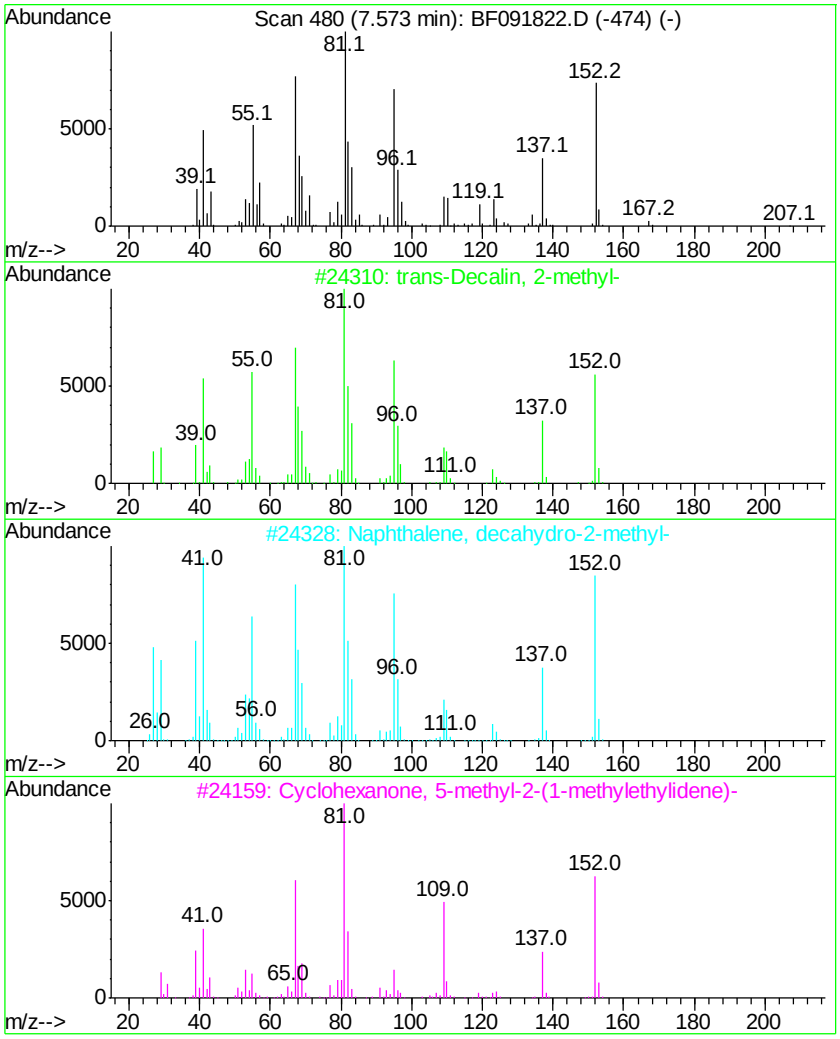
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

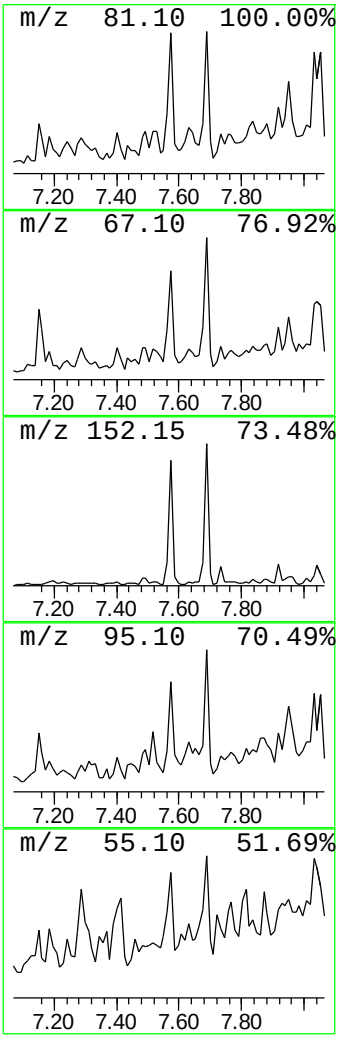
****

Peak Number 4 trans-Decalin, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	14.88 ng	1262400	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	97
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	81
4	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	80
5	Pulegone	152	C10H16O	000089-82-7	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091822.D
Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

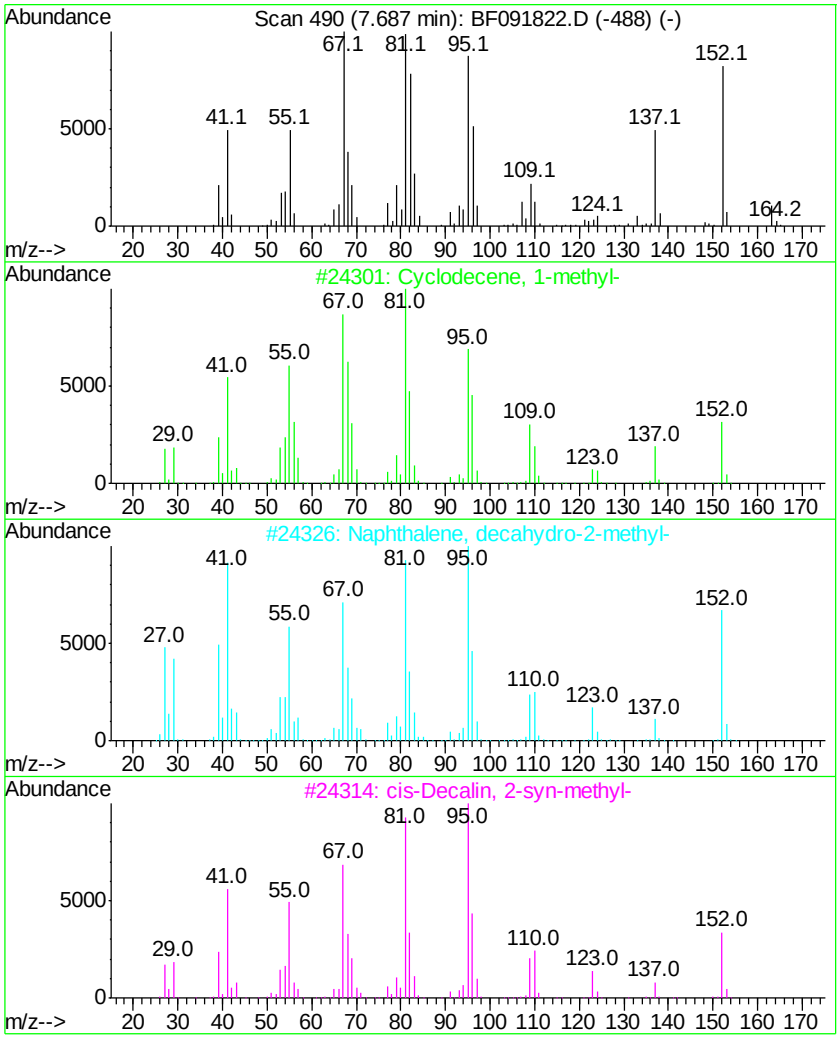
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

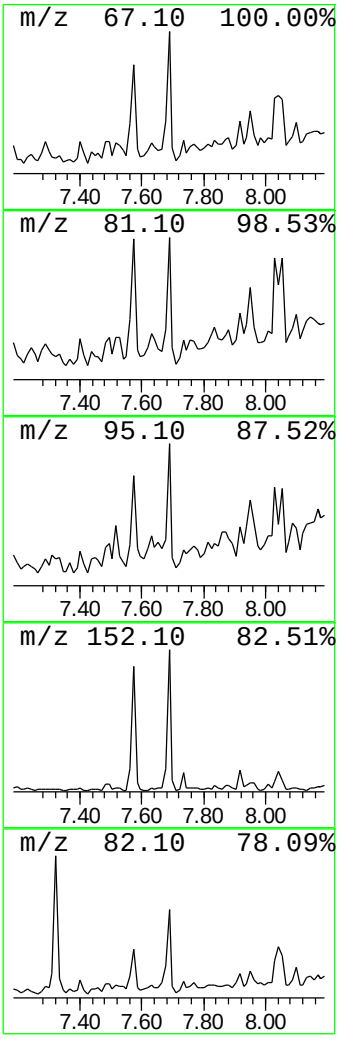
****

Peak Number 5 Cyclodecene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	11.04 ng	937030	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	72
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	68
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	64
4	Furan, 2-hexyl-	152	C10H16O	003777-70-6	58
5	4,5-Nonadiene, 2-methyl-	138	C10H18	055956-32-6	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091822.D
Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

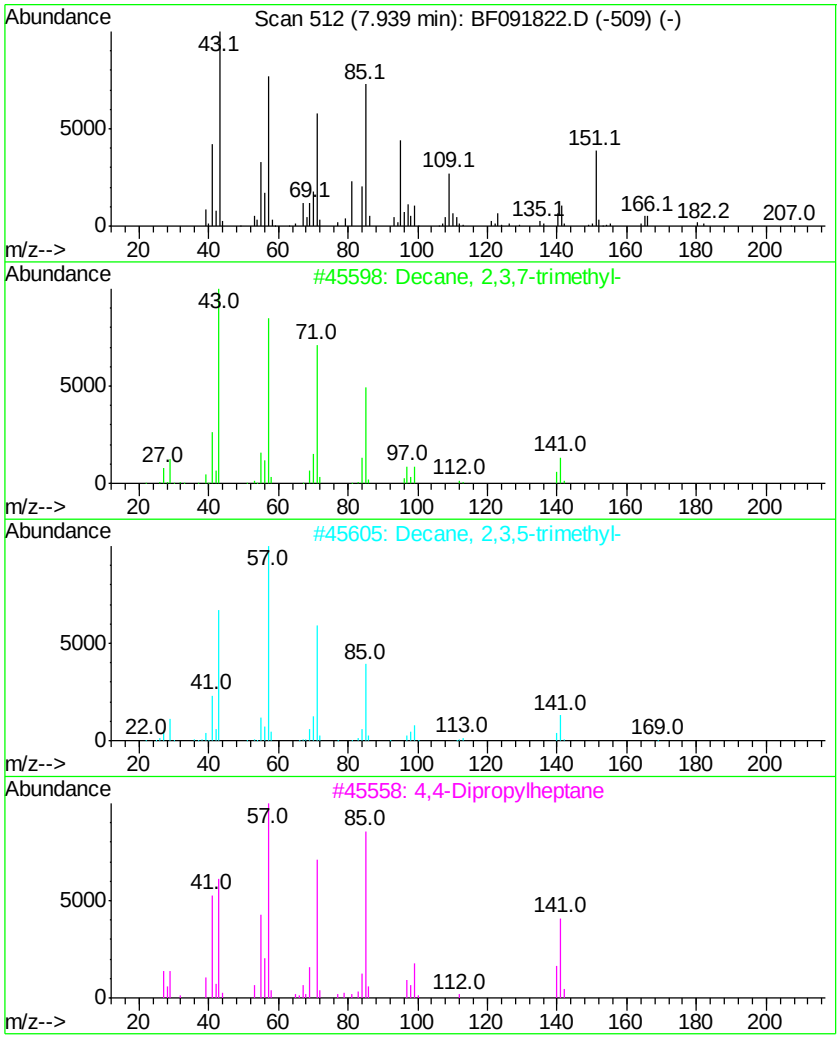
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

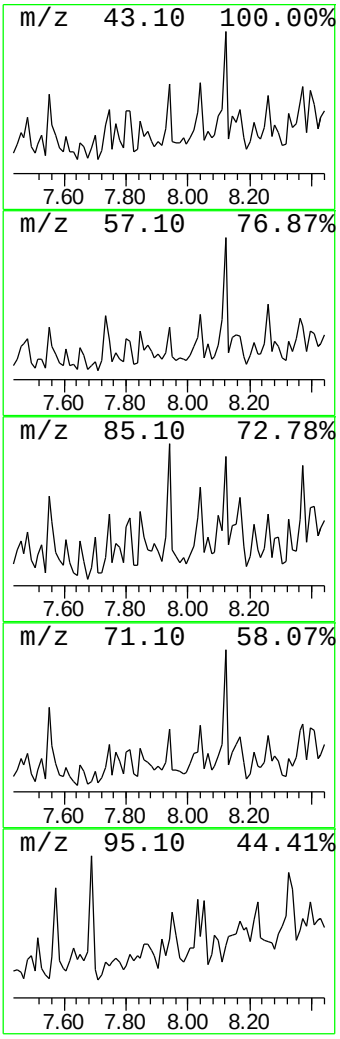
****

Peak Number 6 unknown7.94 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	10.14 ng	860193	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	43
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	38
3	4,4-Dipropylheptane	184	C13H28	017312-72-0	38
4	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	35
5	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091822.D
Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

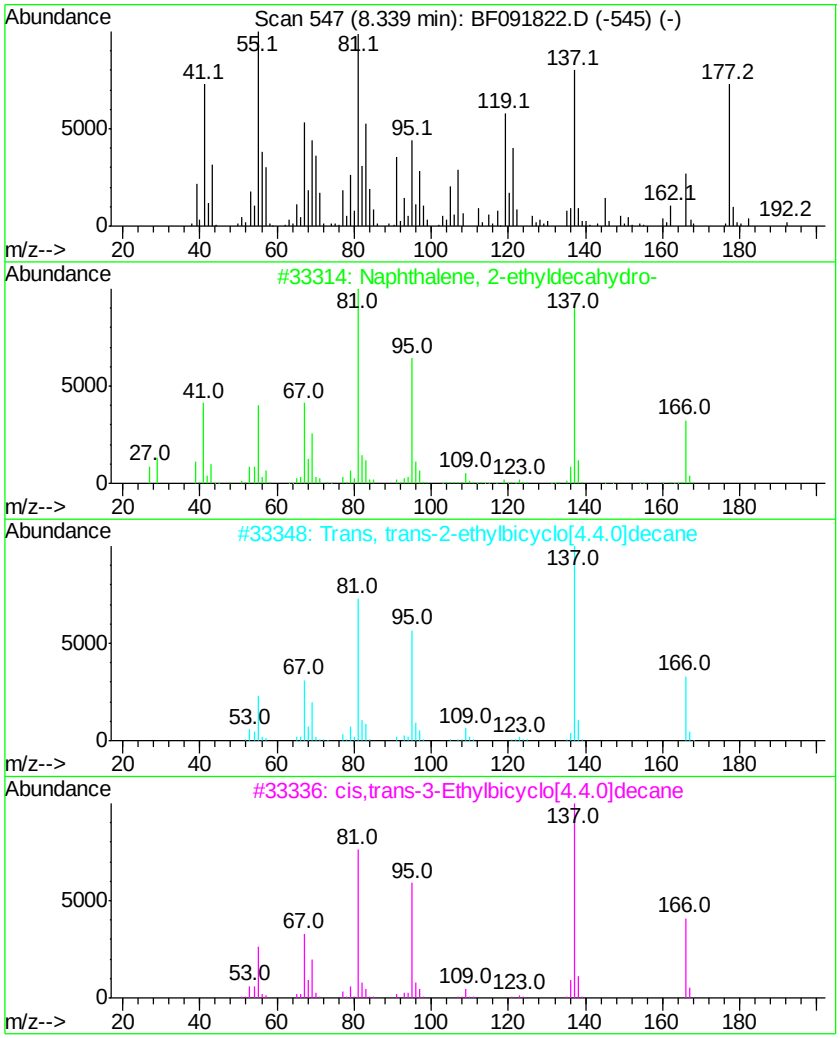
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

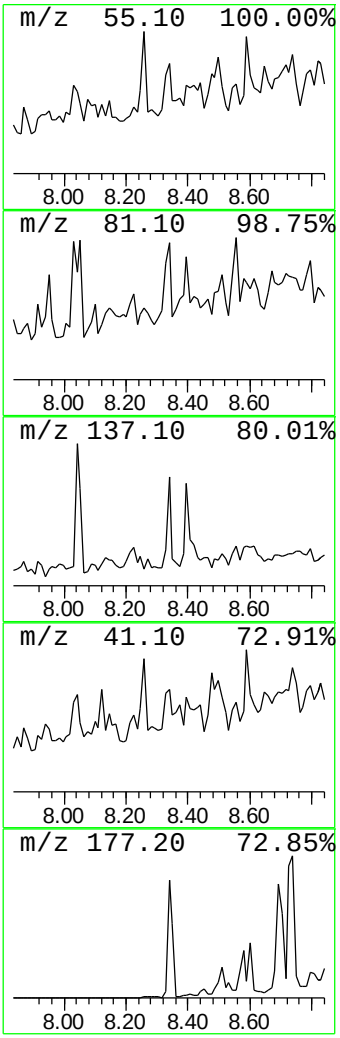
****

Peak Number 7 Naphthalene, 2-ethyldecahydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	14.91 ng	1265140	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	55
2	Trans, trans-2-ethylbicyclo[4.4....	166	C12H22	066660-37-5	46
3	cis,trans-3-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-41-1	25
4	Cyclohexene, 4,5-diethyl-1,2-dim...	166	C12H22	014113-70-3	22
5	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	14





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091822.D
Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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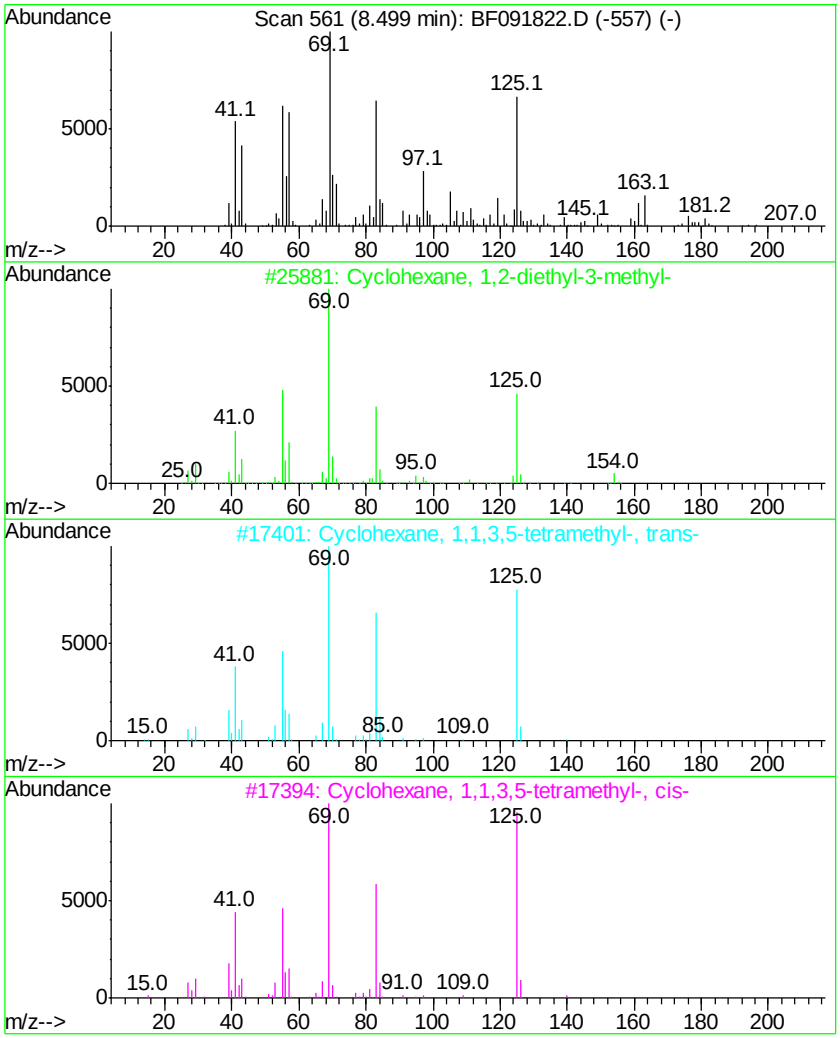
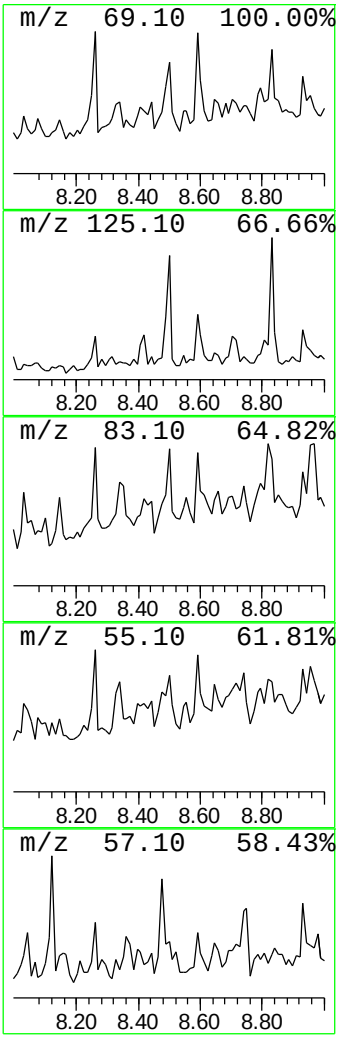
Peak Number 8 Cyclohexane, 1,2-diethyl-3-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	20.11 ng	1706520	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	59
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	58
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	53
4	Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	50
5	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	49





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Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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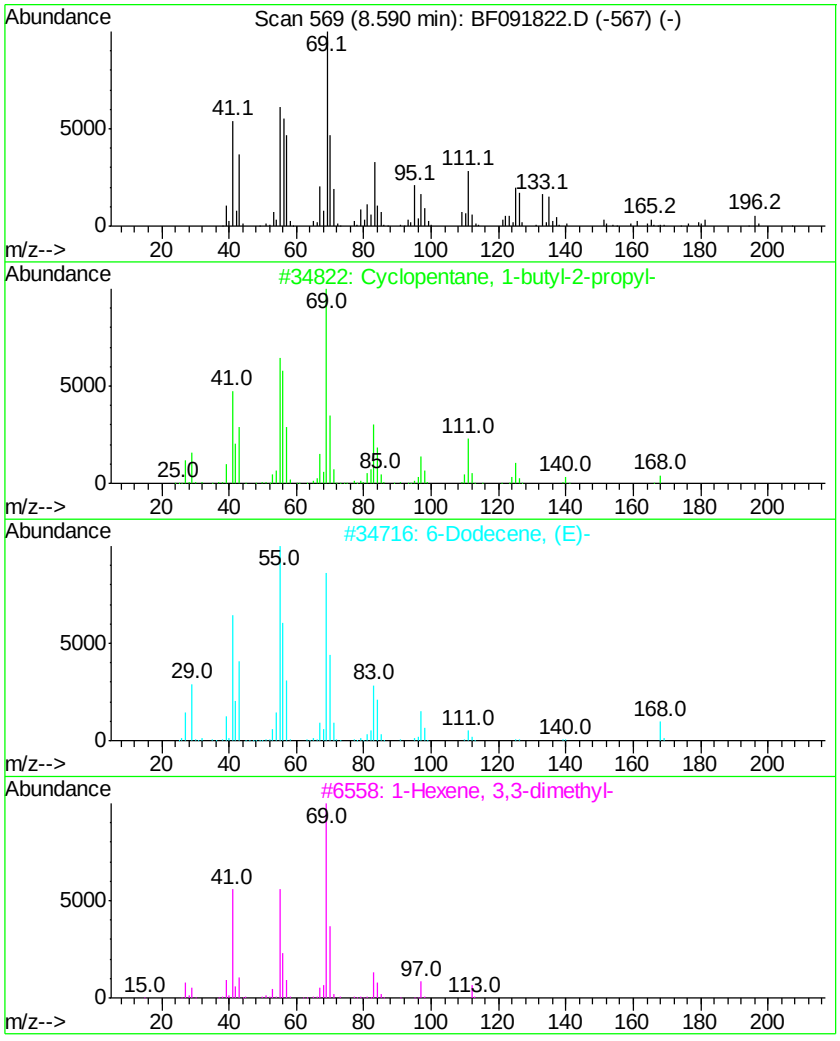
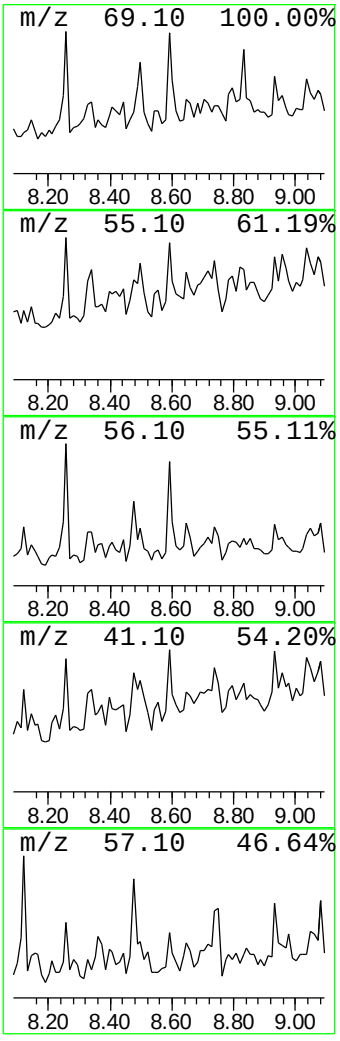
Peak Number 9 Cyclopentane, 1-butyl-2-pro... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	10.86 ng	921625	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	59
2	6-Dodecene, (E)-	168	C12H24	007206-17-9	49
3	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46
4	trans-2-Methyl-3-octene	126	C9H18	052937-36-7	46
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	46





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Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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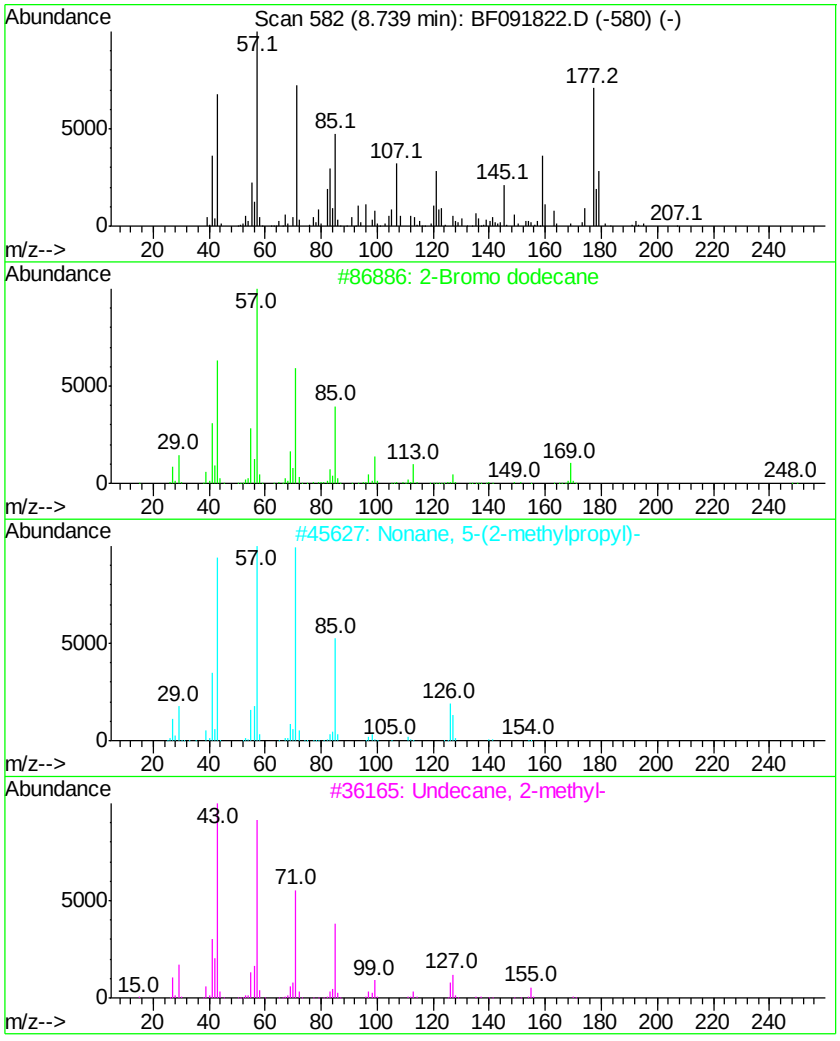
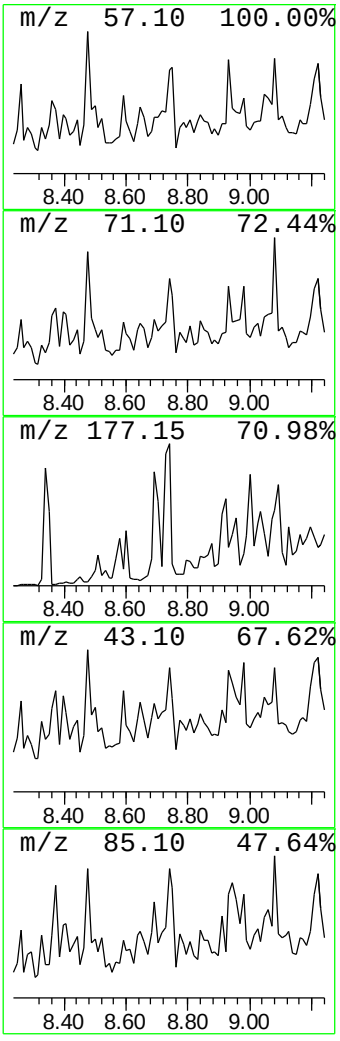
Peak Number 10 unknown8.74 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	9.35 ng	793290	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	22
2	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	22
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	22
4	4-Octanone	128	C8H16O	000589-63-9	22
5	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	22





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Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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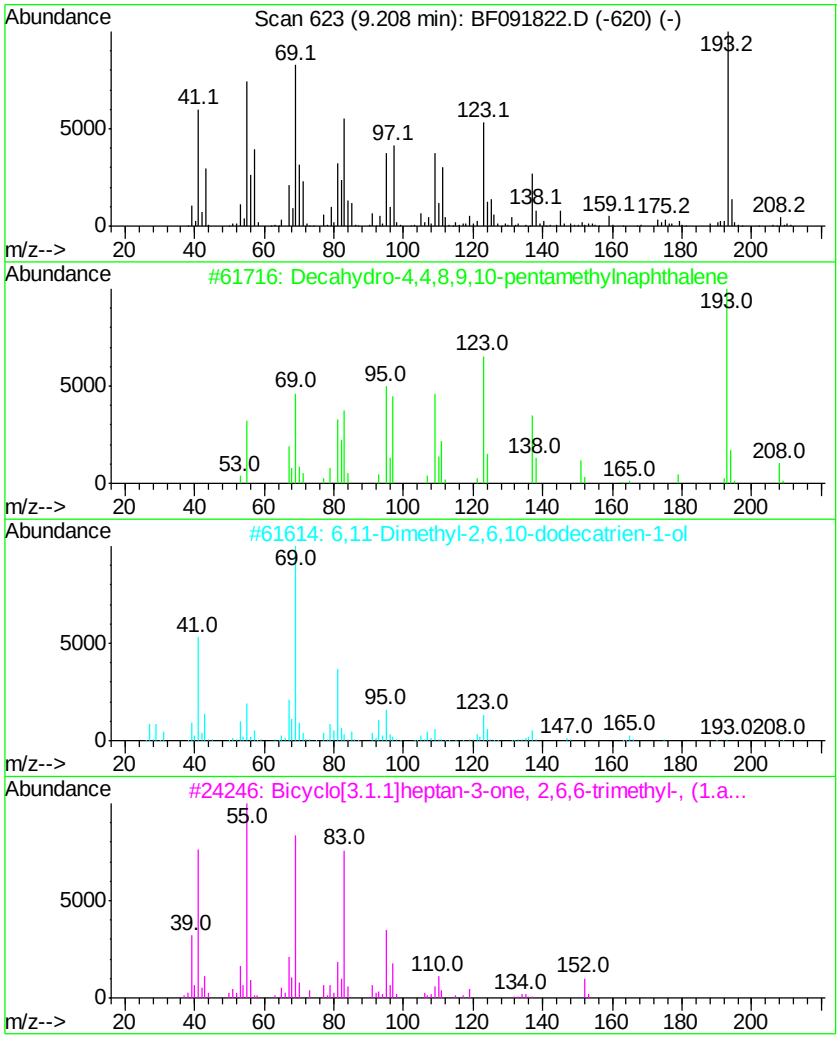
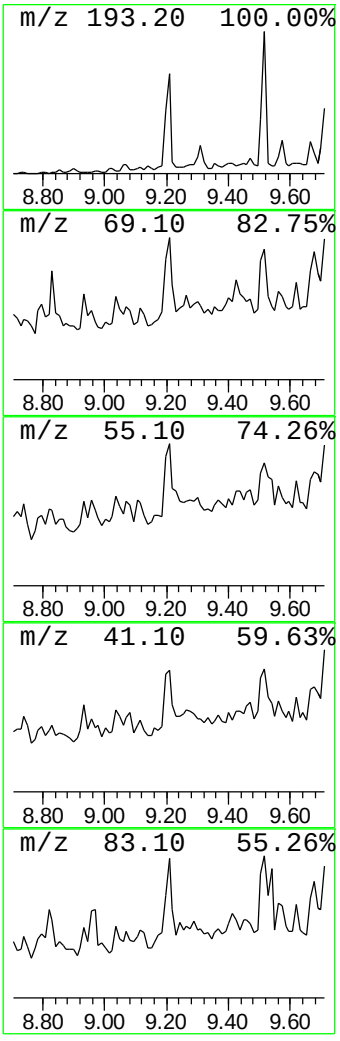
Peak Number 11 Decahydro-4,4,8,9,10-pentam... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	20.05 ng	2245290	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	58
2	6,11-Dimethyl-2,6,10-dodecatrien...	208	C14H24O	1000196-53-3	38
3	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	27
4	Triallylsilane	152	C9H16Si	001116-62-7	27
5	2-Anthracenamine	193	C14H11N	000613-13-8	22





Library Search Compound Report

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Data File : BF091822.D
Acq On : 20 Dec 2016 16:12
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Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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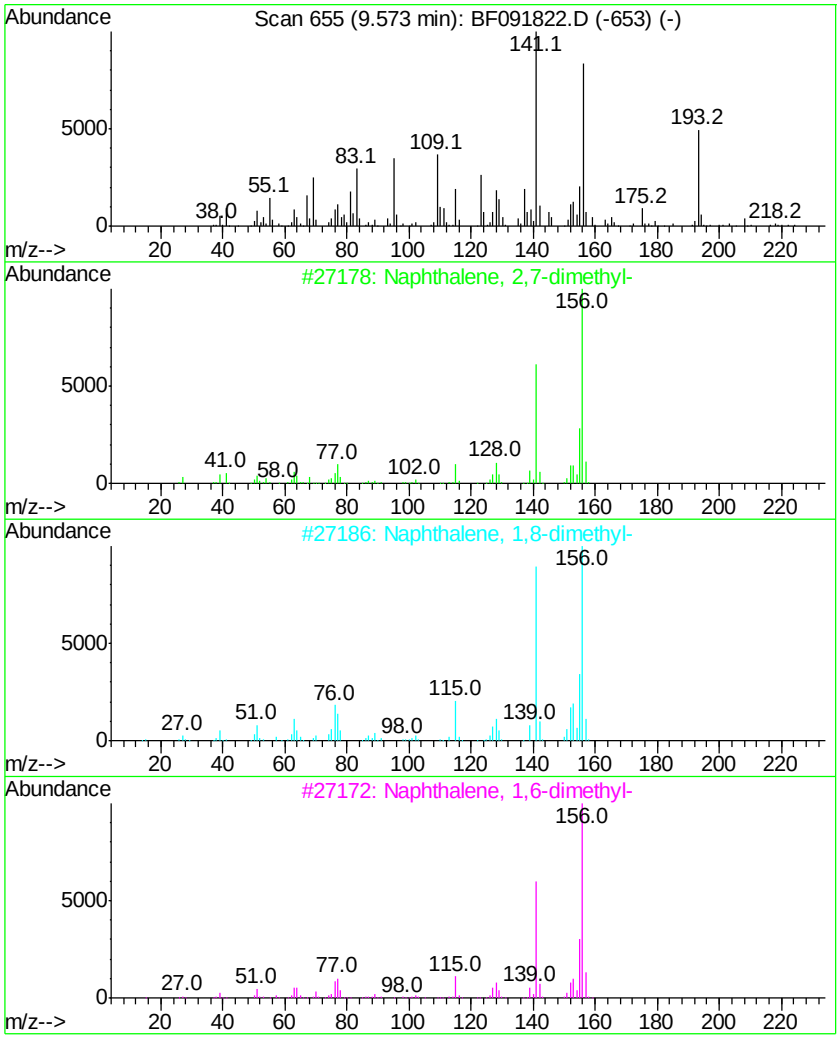
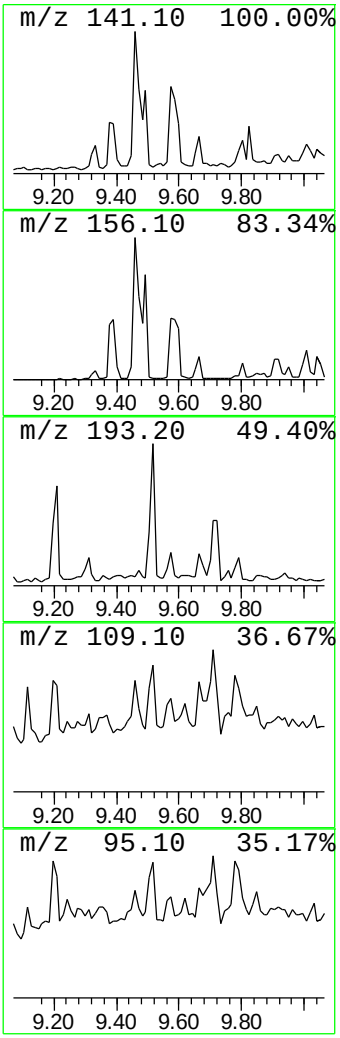
Peak Number 13 Naphthalene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	8.91 ng	997646	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	91
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	90
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	90





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Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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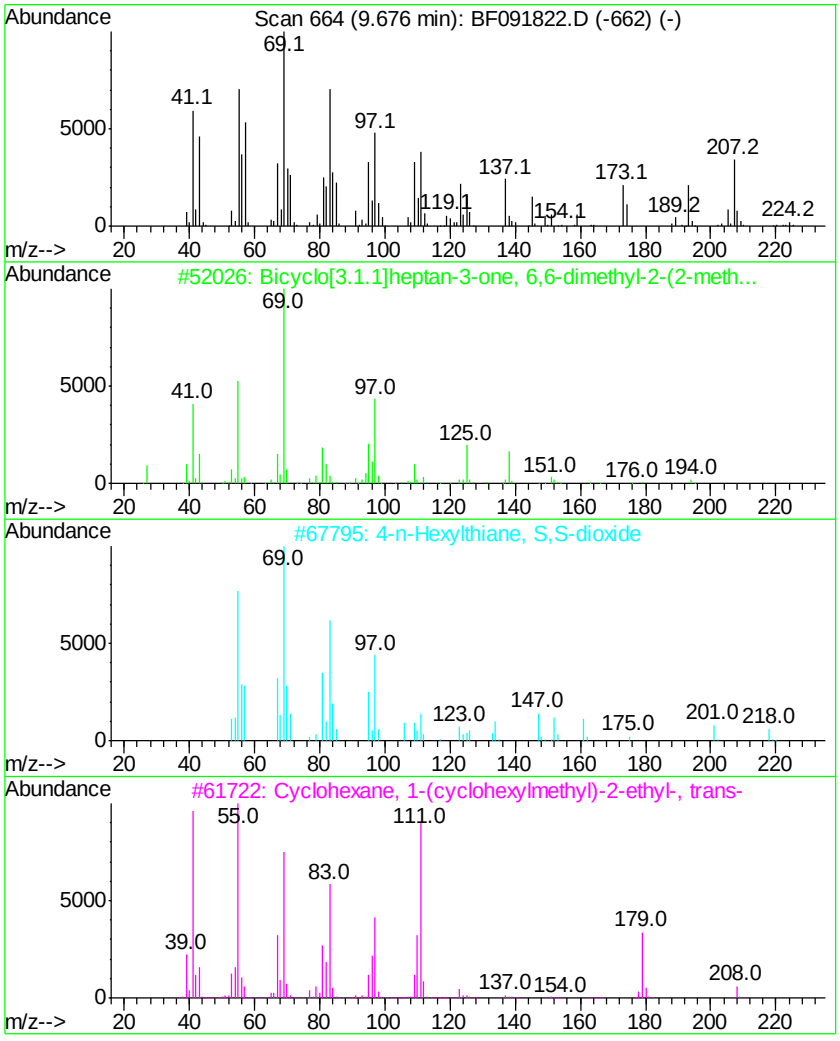
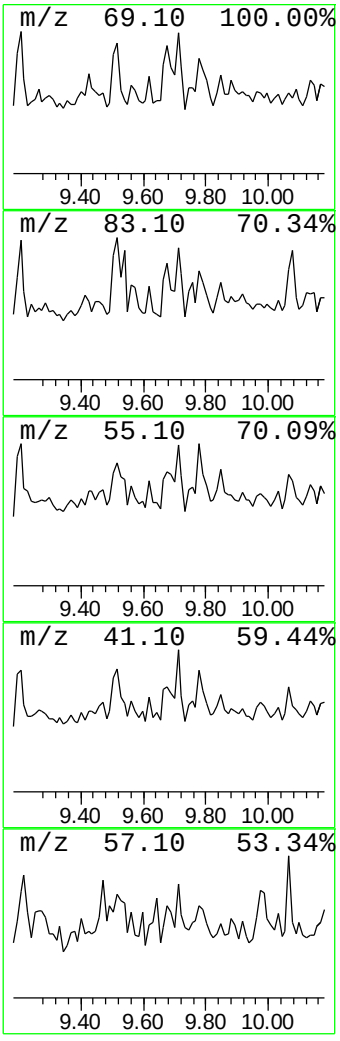
Peak Number 14 unknown9.68 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	14.14 ng	1583570	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 6,6-...	194	C13H22O	1000163-97-9	43
2	4-n-Hexylthiane, S,S-dioxide	218	C11H22O2S	070928-52-8	43
3	Cyclohexane, 1-(cyclohexylmethyl...	208	C15H28	054934-92-8	38
4	Oxirane, 2-decyl-3-(5-methylhexy...	282	C19H38O	029804-22-6	38
5	Cyclooctane, methyl-	126	C9H18	001502-38-1	38





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Acq On : 20 Dec 2016 16:12
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Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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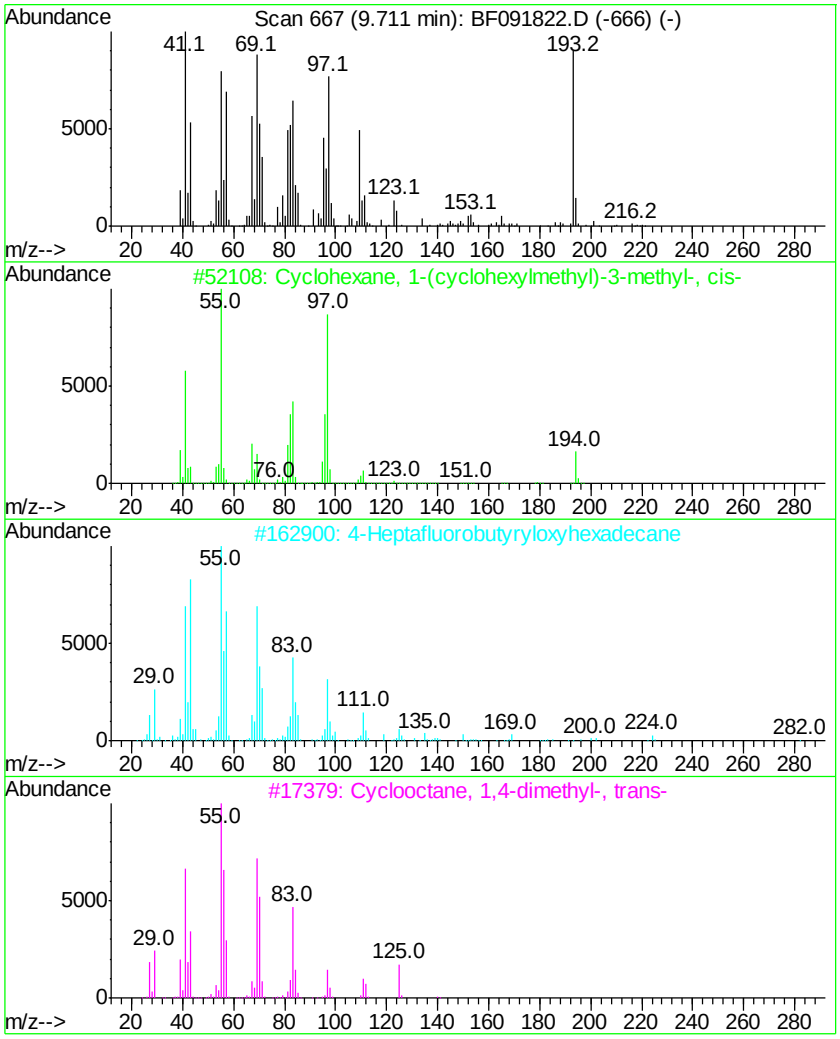
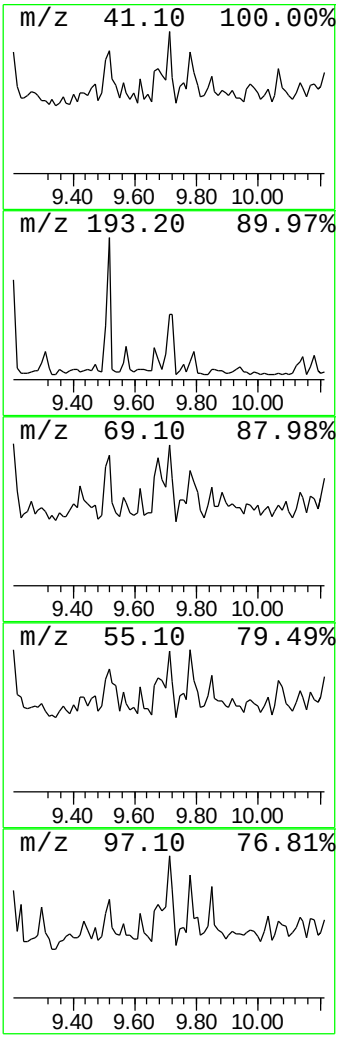
Peak Number 15 unknown9.71 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	12.15 ng	1360960	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054823-96-0	25
2	4-Heptafluorobutyryloxyhexadecane	438	C20H33F7O2	1000282-97-2	25
3	Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	18
4	Cyclodecene, 1,2-dimethyl-, (Z)-	166	C12H22	014113-67-8	18
5	Iminostilbene	193	C14H11N	000256-96-2	18





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Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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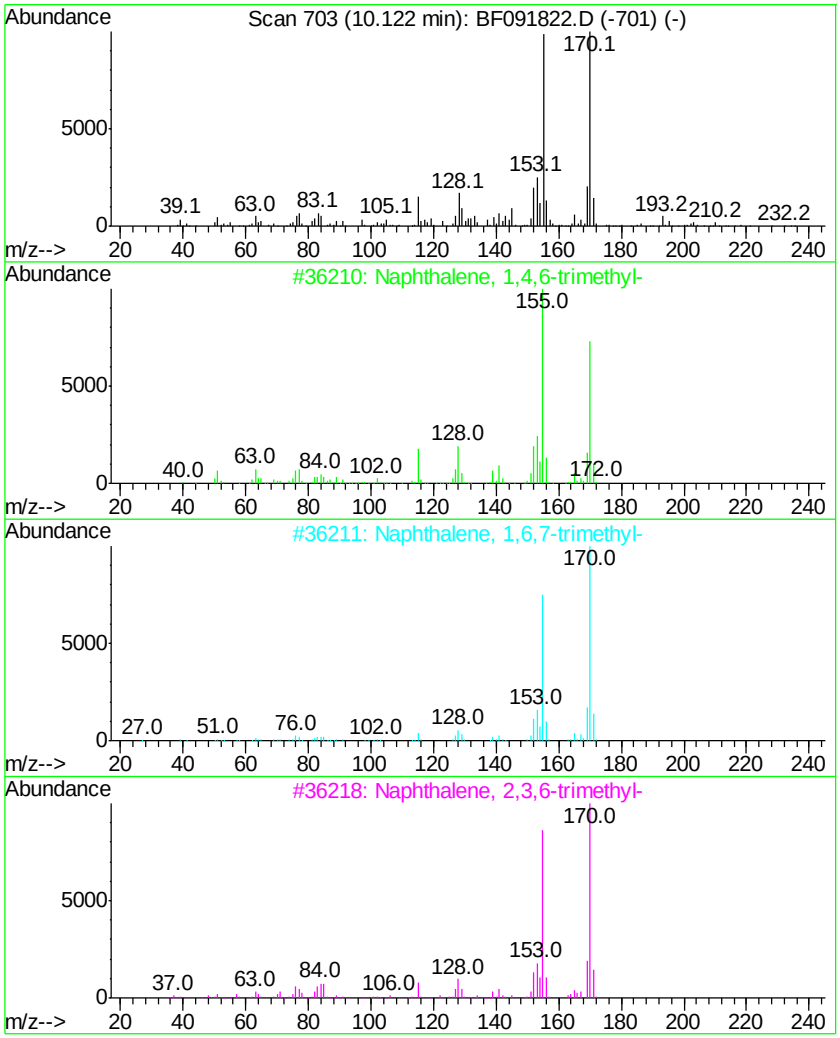
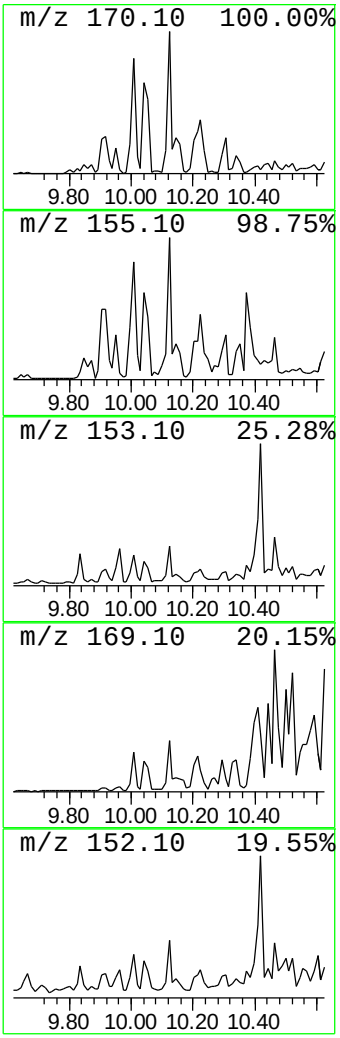
Peak Number 16 Naphthalene, 1,4,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	17.38 ng	1945730	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91





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Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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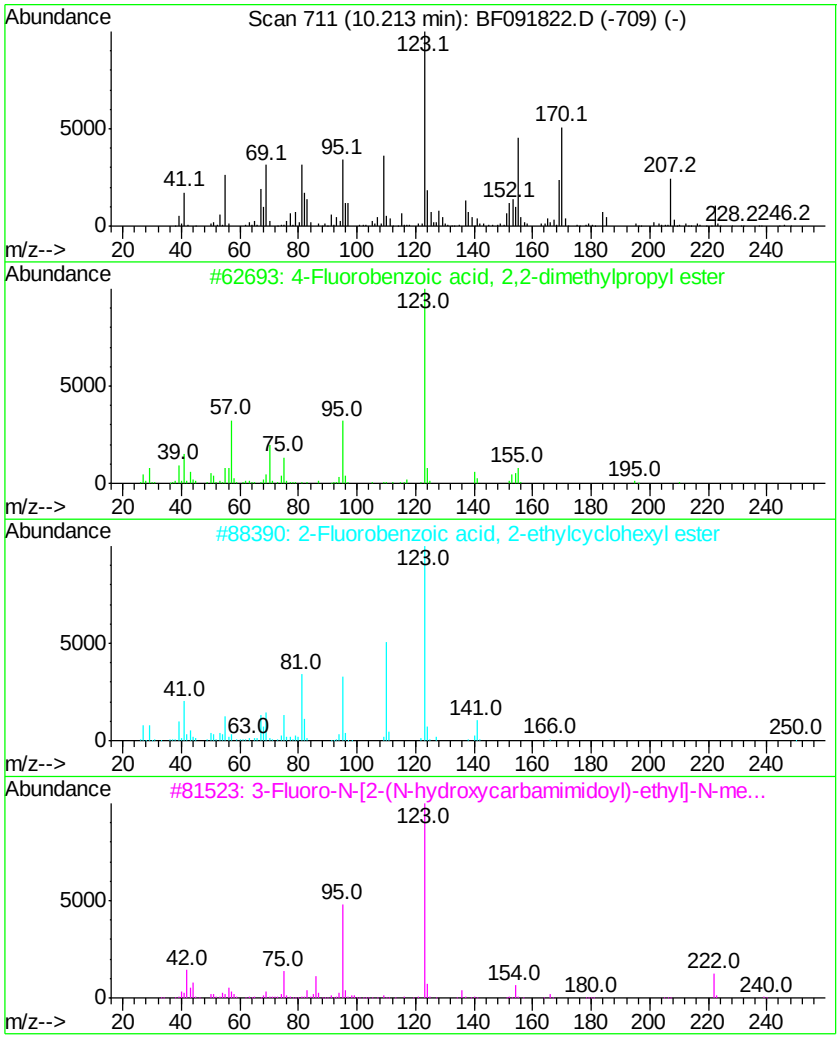
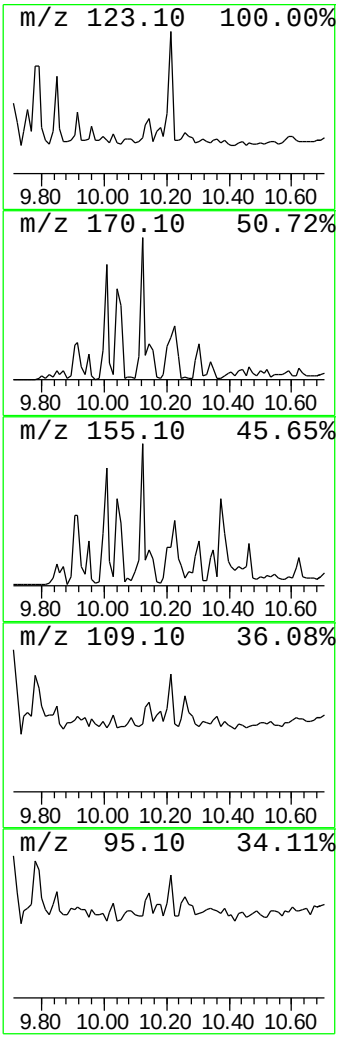
Peak Number 17 unknown10.21 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	11.60 ng	1298800	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Fluorobenzoic acid, 2,2-dimeth...	210	C12H15FO2	069912-03-4	27
2	2-Fluorobenzoic acid, 2-ethylcyc...	250	C15H19FO2	1000278-98-1	27
3	3-Fluoro-N-[2-(N-hydroxycarbamim...	239	C11H14FN3O2	1000297-41-5	27
4	1-Trimethylsilylpent-1-en-4-yne	138	C8H14Si	079516-25-9	25
5	1H,3H-Thieno[3,4-c]thiophene, 4,...	170	C8H10S2	015441-54-0	25





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Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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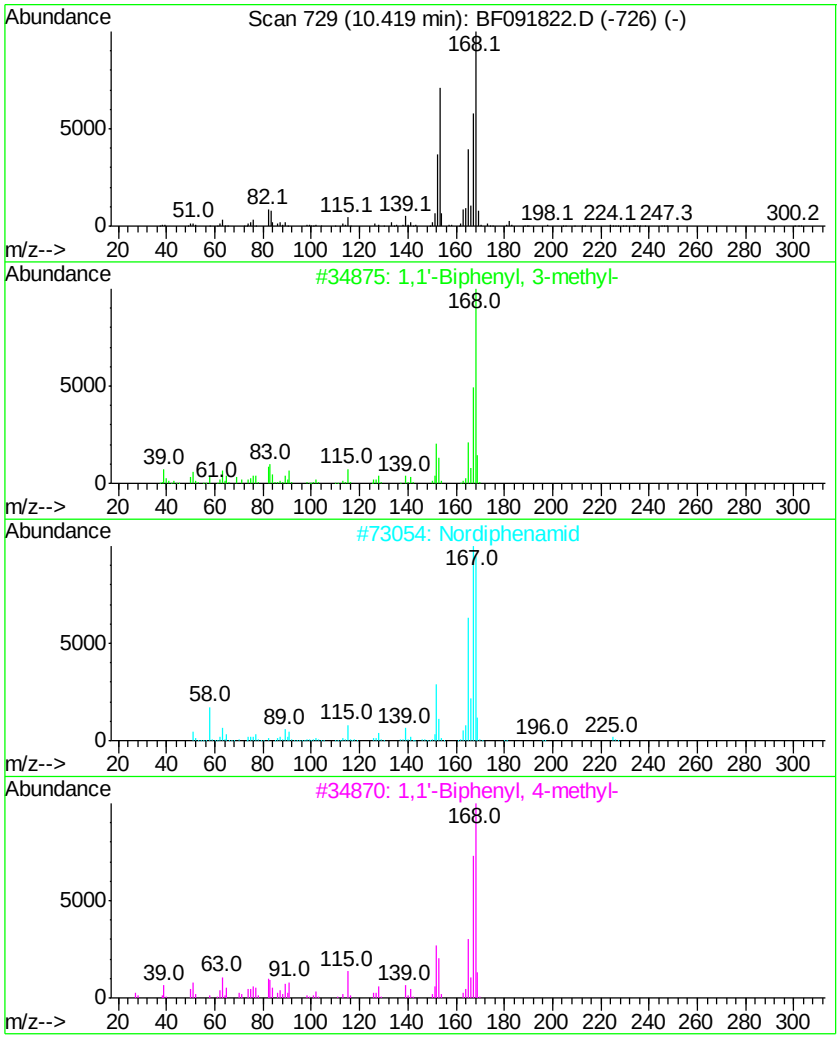
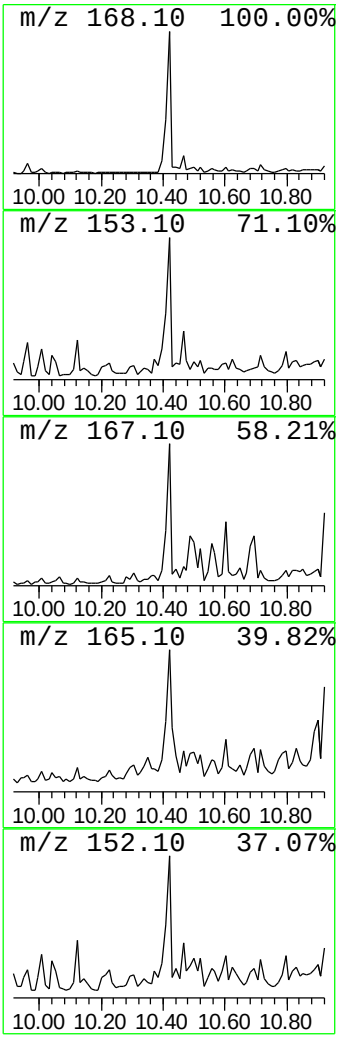
Peak Number 18 unknown10.42 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	12.89 ng	1443720	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	47
2	Nordiphenamid	225	C15H15NO	000954-21-2	43
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	40
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	40
5	1,2,3-Trimethoxybenzene	168	C9H12O3	000634-36-6	38





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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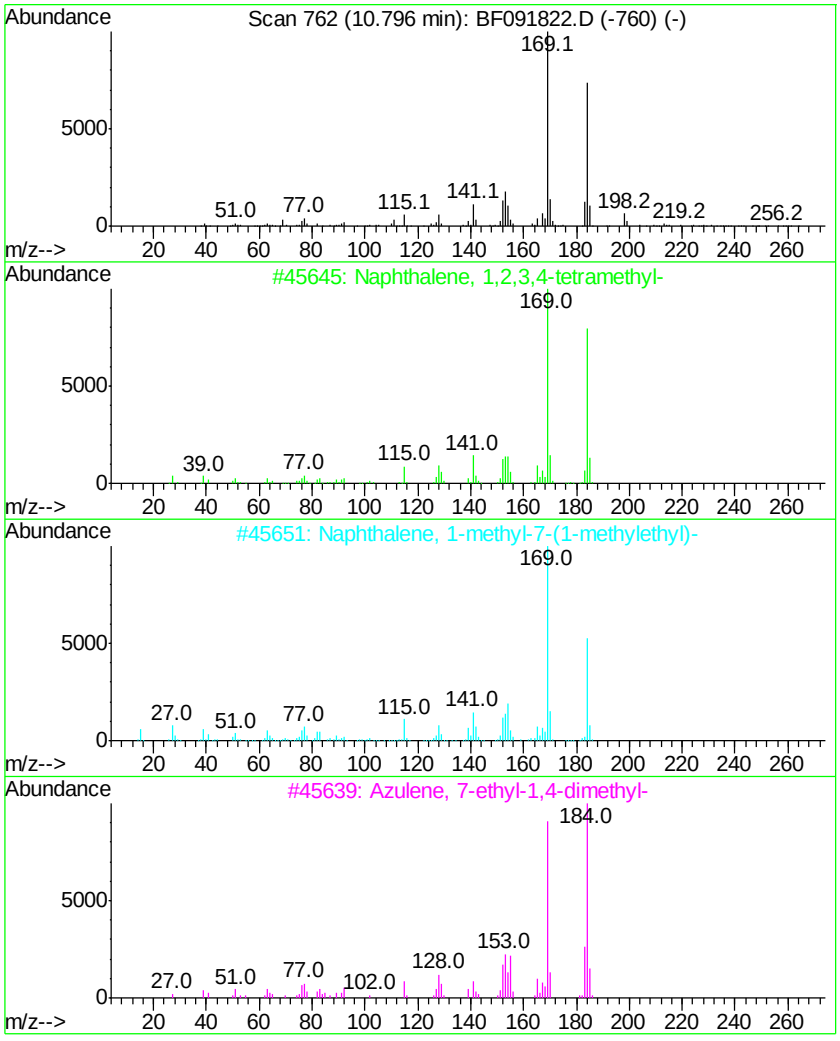
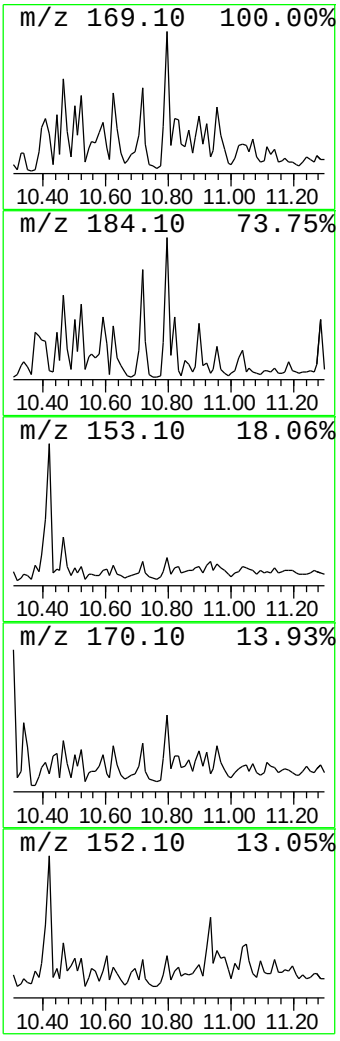
Peak Number 19 Naphthalene, 1,2,3,4-tetram... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	11.01 ng	591463	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	91
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	90
3	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	87
4	3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	80
5	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	78





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Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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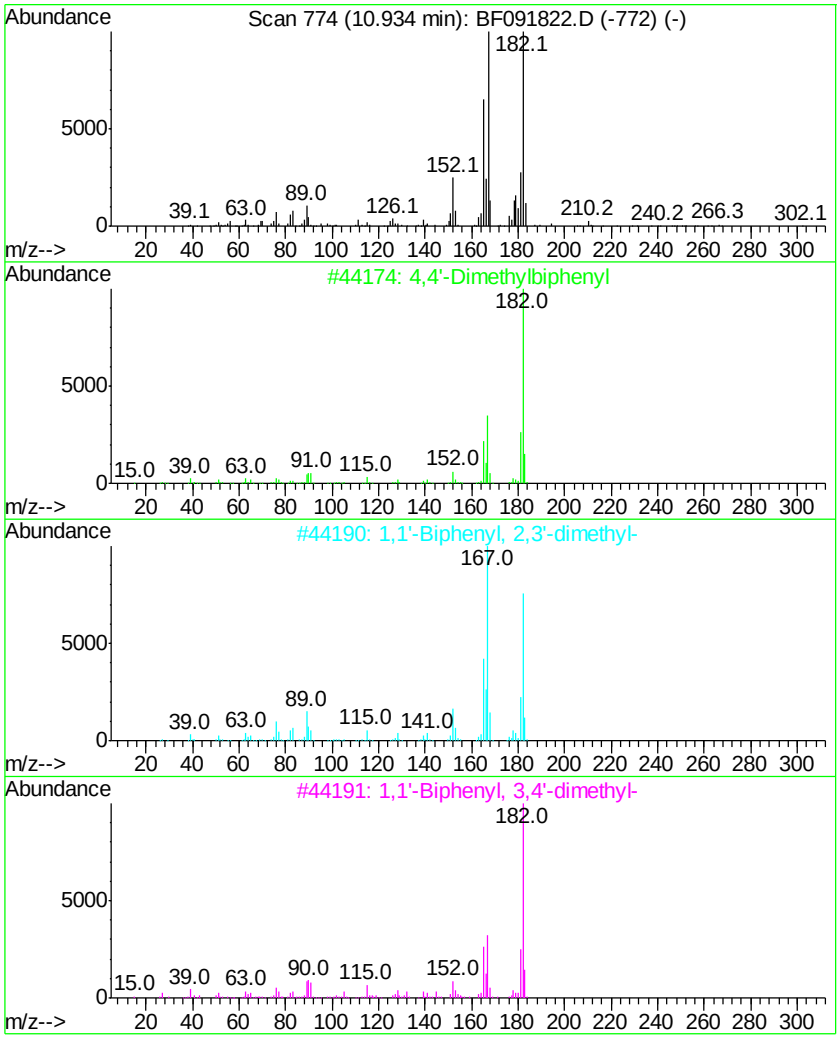
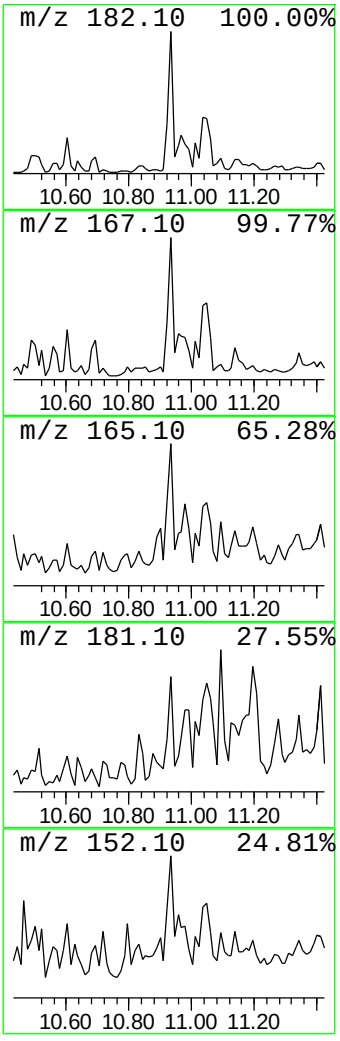
Peak Number 20 4,4'-Dimethylbiphenyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	54.57 ng	2931470	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	93
2	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	81
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	81
4	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	80
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
Data File : BF091822.D
Acq On : 20 Dec 2016 16:12
Operator : UM/SJ
Sample : H6142-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(1.5-2.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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
4-Octene, 2,6-dim...	6.28	9.0	ng	535379	1	6.76	1185060	20.0
Xenon	6.53	12.8	ng	757701	1	6.76	1185060	20.0
trans-Decalin, 2-...	7.57	14.9	ng	1262400	2	8.04	1696920	20.0
Cyclodecene, 1-me...	7.69	11.0	ng	937030	2	8.04	1696920	20.0
unknown7.94	7.94	10.1	ng	860193	2	8.04	1696920	20.0
Naphthalene, 2-et...	8.34	14.9	ng	1265140	2	8.04	1696920	20.0
Cyclohexane, 1,2-...	8.50	20.1	ng	1706520	2	8.04	1696920	20.0
Cyclopentane, 1-b...	8.59	10.9	ng	921625	2	8.04	1696920	20.0
unknown8.74	8.74	9.3	ng	793290	2	8.04	1696920	20.0
Decahydro-4,4,8,9...	9.21	20.1	ng	2245290	3	9.80	2239630	20.0
Naphthalene, 2,7-...	9.57	8.9	ng	997646	3	9.80	2239630	20.0
unknown9.68	9.68	14.1	ng	1583570	3	9.80	2239630	20.0
unknown9.71	9.71	12.2	ng	1360960	3	9.80	2239630	20.0
Naphthalene, 1,4,...	10.12	17.4	ng	1945730	3	9.80	2239630	20.0
unknown10.21	10.21	11.6	ng	1298800	3	9.80	2239630	20.0
unknown10.42	10.42	12.9	ng	1443720	3	9.80	2239630	20.0
Naphthalene, 1,2,...	10.80	11.0	ng	591463	4	11.29	1074320	20.0
4,4'-Dimethylbiph...	10.93	54.6	ng	2931470	4	11.29	1074320	20.0