LSC Area Percent Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083106.D
Acq On : 21 Nov 2015 5:59
Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

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-BF111915.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	4.830	238	240	244	rVB	654691	826735	10.57%	0.669%
2	5.173	268	270	272	rBV	83496	105455	1.35%	0.085%
3	5.299	279	281	288	rVB	2091754	2130092	27.24%	1.725%
4	5.447	292	294	296	rBV	188130	183994	2.35%	0.149%
5	5.562	301	304	309	rVV6	157981	368242	4.71%	0.298%
6	5.722	313	318	319	rBV2	281812	400748	5.13%	0.324%
7	5.744	319	320	323	rVB	97087	105859	1.35%	0.086%
8	5.893	332	333	336	rVB2	146681	139065	1.78%	0.113%
9	5.962	336	339	342	rBV3	108539	143195	1.83%	0.116%
10	6.007	342	343	348	rVB2	136321	247057	3.16%	0.200%
11	6.099	348	351	352	rBV	135131	194414	2.49%	0.157%
12	6.144	352	355	357	rVB3	115736	203203	2.60%	0.165%
13	6.190	357	359	361	rBV	483064	493774	6.32%	0.400%
14	6.270	363	366	367	rVB	129148	174436	2.23%	0.141%
15	6.305	367	369	370	rBV	160452	253450	3.24%	0.205%
16	6.327	370	371	373	rBV	732590	884803	11.32%	0.716%
17	6.373	373	375	379	rVB2	891080	1676624	21.44%	1.358%
18	6.476	379	384	387	rBV	3460066	3985912	50.98%	3.228%
19	6.556	387	391	392	rBV3	304655	766019	9.80%	0.620%
20	6.659	396	400	401	rBV2	680626	1671190	21.37%	1.353%
21	6.705	401	404	409	rVB3	972752	2574718	32.93%	2.085%
22	6.785	409	411	414	rVB	444036	652512	8.35%	0.528%
23	6.853	415	417	420	rVB	2457714	3426277	43.82%	2.774%
24	6.910	420	422	423	rBV	597926	790784	10.11%	0.640%
25	7.002	428	430	432	rBV	480983	700833	8.96%	0.567%
26	7.036	432	433	434	rBV	354148	303915	3.89%	0.246%
27	7.059	434	435	437	rVB2	500191	590169	7.55%	0.478%
28	7.116	437	440	441	rBV2	410025	539650	6.90%	0.437%
29	7.173	441	445	447	rBV3	255487	628072	8.03%	0.509%
30	7.230	447	450	451	rBV	2013399	2579240	32.99%	2.088%
31	7.265	451	453	458	rVB2	1934269	3769114	48.20%	3.052%
32	7.356	458	461	463	rBV4	413496	854775	10.93%	0.692%
33	7.425	463	467	471	rBV6	894184	2886877	36.92%	2.338%
34	7.482	471	472	474	rVB2	709758	599280	7.66%	0.485%

LSC Area Percent Report

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Data File : BF083106.D
Acq On : 21 Nov 2015 5:59
Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

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-BF111915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.527	474	476	478	rVB3	811660	1341014	17.15%	1.086%
36	7.585	478	481	482	rBV2	1194454	1388930	17.76%	1.125%
37	7.619	482	484	485	rBV	1100201	1455438	18.61%	1.179%
38	7.676	485	489	490	rBV2	947446	1798846	23.01%	1.457%
39	7.722	490	493	496	rBV2	1474954	1850587	23.67%	1.498%
40	7.779	496	498	499	rVB	945477	1119240	14.31%	0.906%
41	7.825	499	502	506	rBV3	2110792	4250724	54.36%	3.442%
42	7.905	506	509	511	rBV3	682929	1838551	23.51%	1.489%
43	7.939	511	512	514	rVB2	622099	809257	10.35%	0.655%
44	7.996	514	517	519	rBV	2436327	3662815	46.85%	2.966%
45	8.122	521	528	530	rVB5	1223833	4192770	53.62%	3.395%
46	8.179	530	533	537	rBV3	1636024	3652229	46.71%	2.957%
47	8.248	537	539	540	rBV	1661886	2212268	28.29%	1.791%
48	8.282	540	542	547	rVB5	1398787	4345592	55.58%	3.519%
49	8.362	547	549	550	rBV2	1078745	1998477	25.56%	1.618%
50	8.385	550	551	553	rVB2	1020244	952732	12.18%	0.771%
51	8.453	553	557	558	rBV3	1485054	3406037	43.56%	2.758%
52	8.602	565	570	571	rBV4	2333961	4512188	57.71%	3.654%
53	8.705	577	579	581	rVB	2655655	2744162	35.10%	2.222%
54	8.785	583	586	590	rBV2	2395854	5210985	66.65%	4.219%
55	8.888	592	595	597	rBV3	1757829	3766715	48.17%	3.050%
56	9.036	606	608	610	rBV2	2070378	2579036	32.98%	2.088%
57	9.082	610	612	613	rBV	3469596	3202442	40.96%	2.593%
58	10.373	720	725	729	rBV	2860672	7818947	100.00%	6.331%
59	10.636	747	748	751	rBV2	836573	1210516	15.48%	0.980%
60	10.694	751	753	758	rVB4	1392648	3151228	40.30%	2.552%
61	10.785	758	761	762	rBV2	680238	1279954	16.37%	1.036%
62	10.842	762	766	769	rBV5	897070	2382873	30.48%	1.929%
63	11.139	790	792	797	rVB4	831230	1613484	20.64%	1.306%
64	11.242	798	801	807	rVB2	854697	1926143	24.63%	1.560%
65	11.802	848	850	859	rVB	560324	1069730	13.68%	0.866%
66	12.568	915	917	919	rVB	224847	180179	2.30%	0.146%
67	12.819	936	939	941	rVB	2380746	2910840	37.23%	2.357%
68	13.722	1016	1018	1021	rVB	234982	227880	2.91%	0.185%
69	13.848	1027	1029	1032	rBV	811238	917797	11.74%	0.743%
70	15.231	1147	1150	1153	rVB	572999	666692	8.53%	0.540%

LSC Area Percent Report

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Data File : BF083106.D
Acq On : 21 Nov 2015 5:59
Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-29

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-BF111915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 123497781

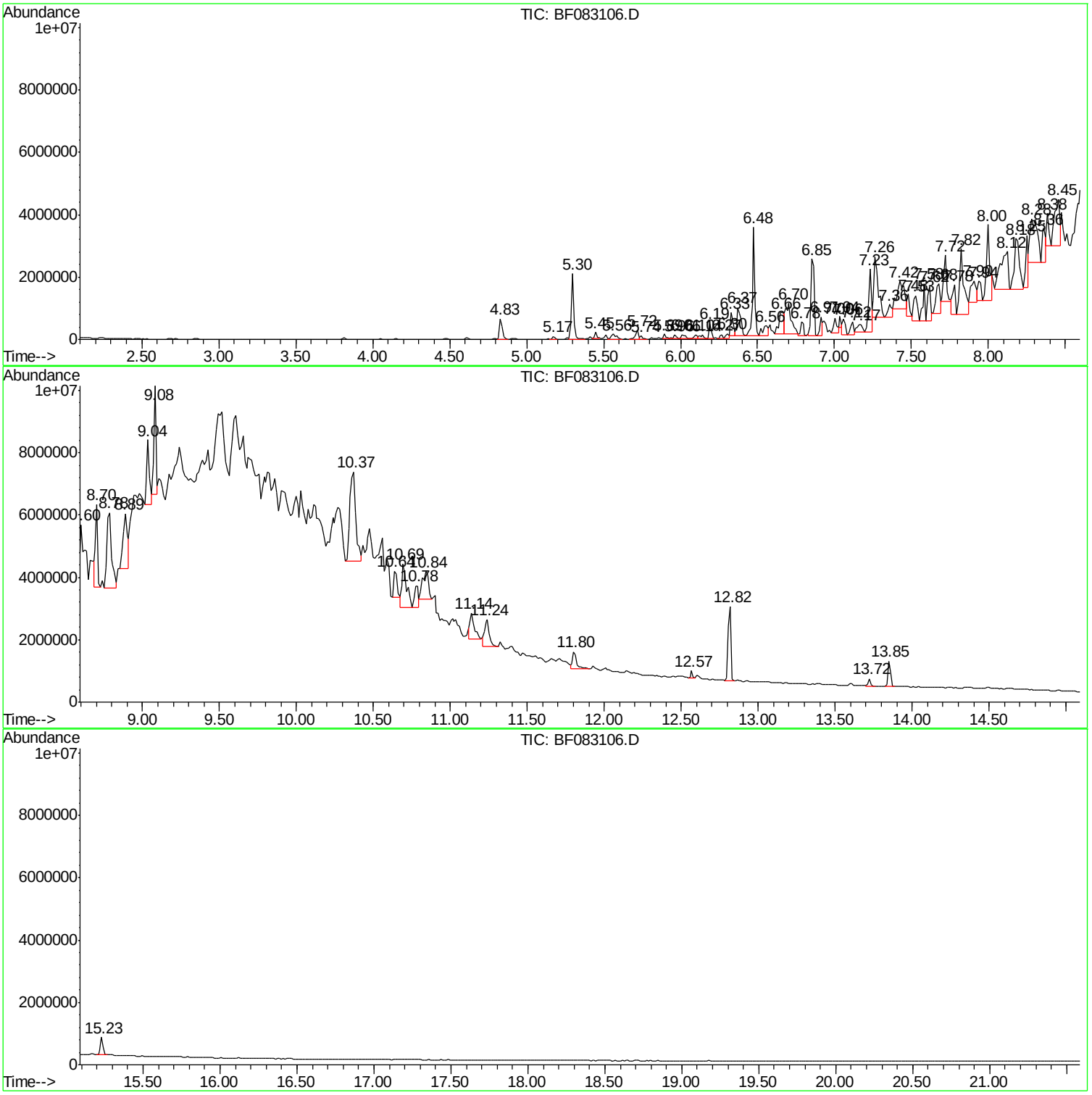
LSC Report - Integrated Chromatogram

Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083106.D
Acq On : 21 Nov 2015 5:59
Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083106.D
Acq On : 21 Nov 2015 5:59
Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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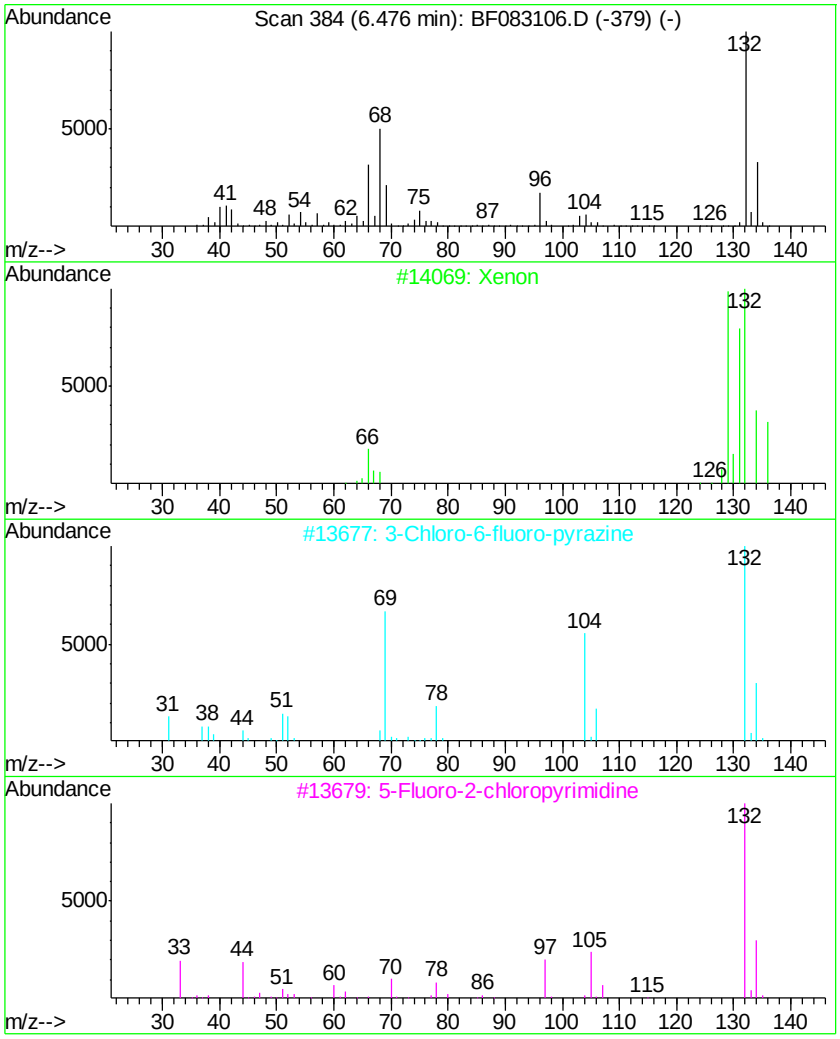
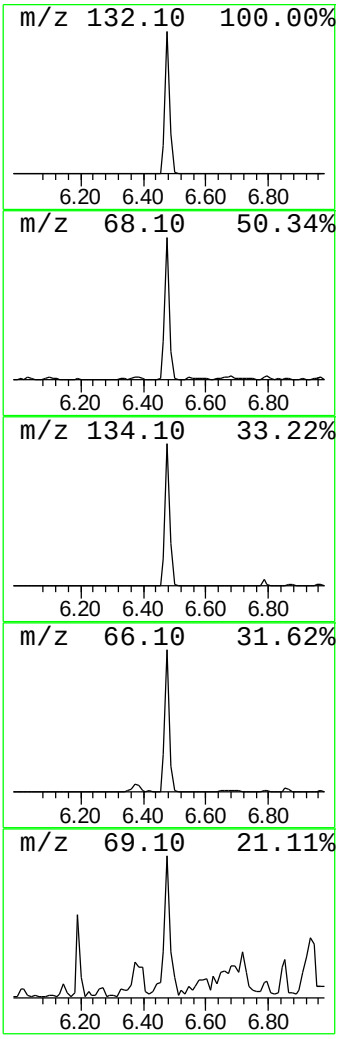
Peak Number 1 unknown6.48 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	30.96 ng	3985910	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Xenon	132	Xe	007440-63-3	25
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





Library Search Compound Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083106.D
Acq On : 21 Nov 2015 5:59
Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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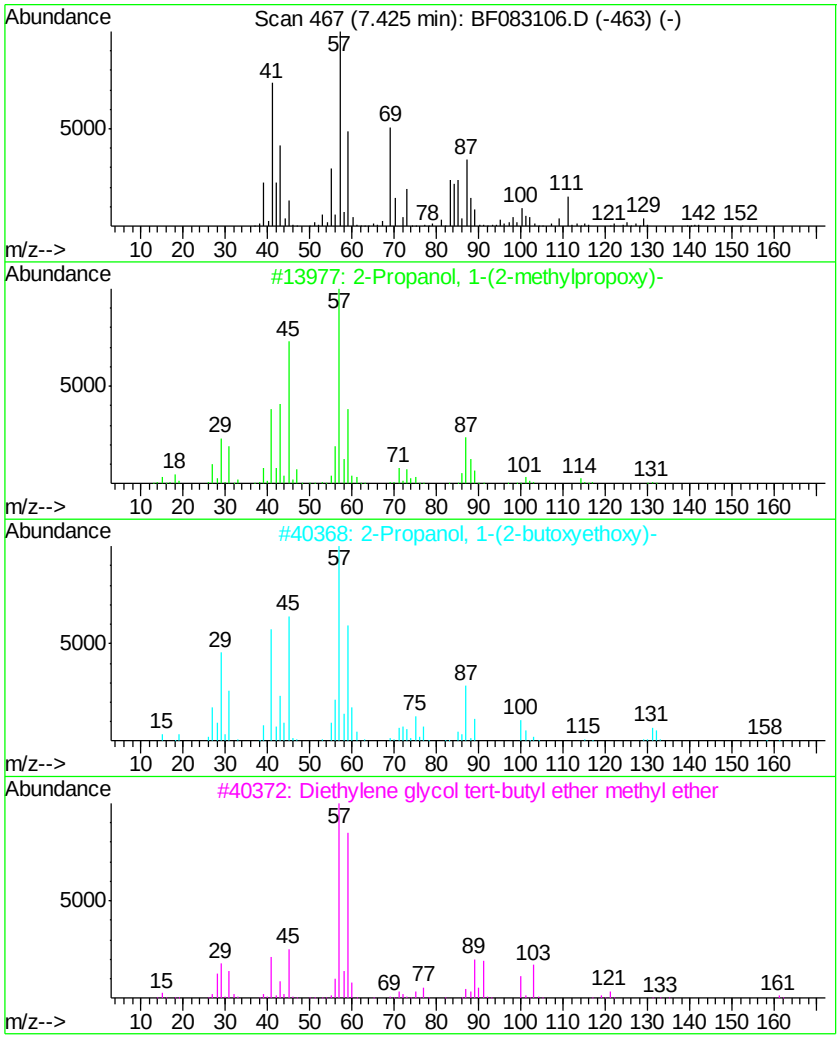
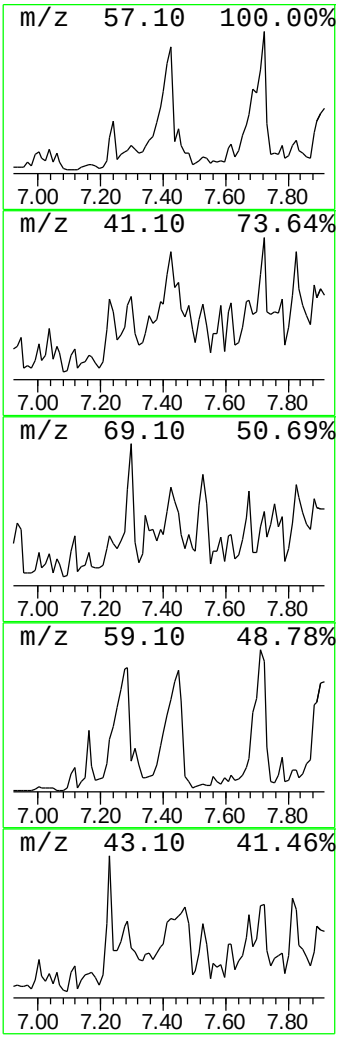
Peak Number 3 unknown7.42 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	15.76 ng	2886880	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methylpropoxy)-	132	C7H16O2	023436-19-3	32
2	2-Propanol, 1-(2-butoxyethoxy)-	176	C9H20O3	000124-16-3	25
3	Diethylene glycol tert-butyl eth...	176	C9H20O3	052788-79-1	14
4	3-Octanol, 6-ethyl-	158	C10H22O	019781-27-2	12
5	2-Propenoic acid, 2-methyl-, hex...	170	C10H18O2	000142-09-6	10





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083106.D
Acq On : 21 Nov 2015 5:59
Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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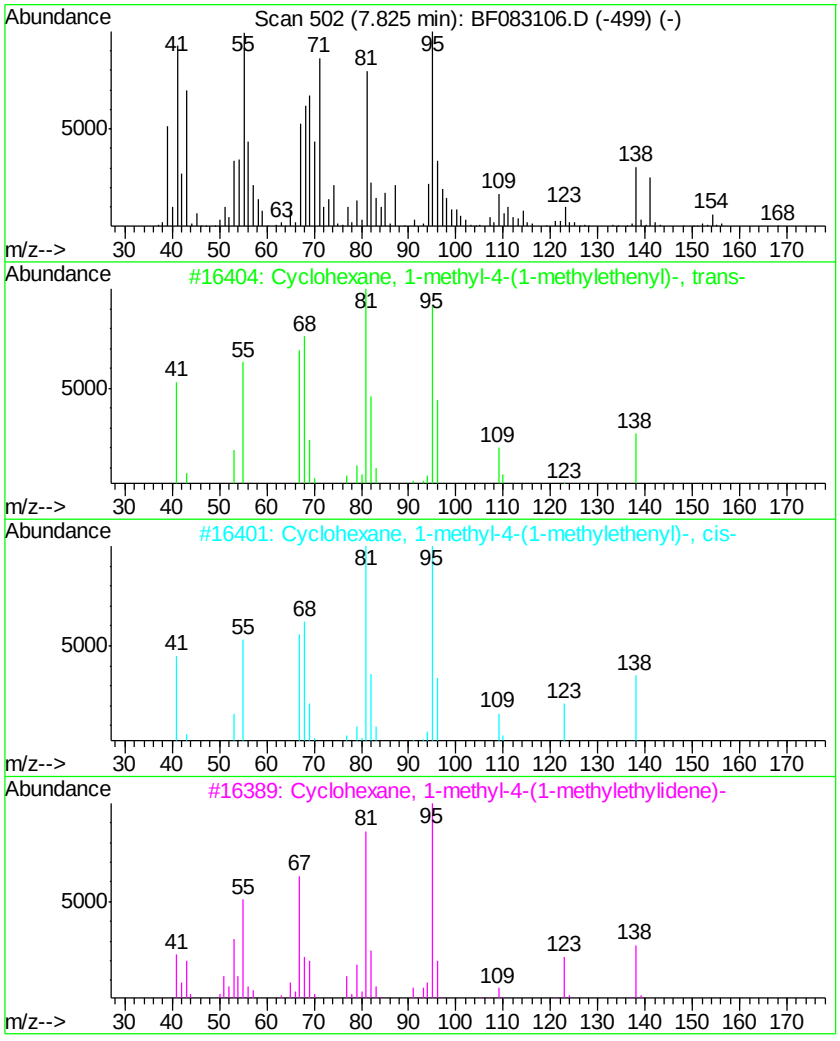
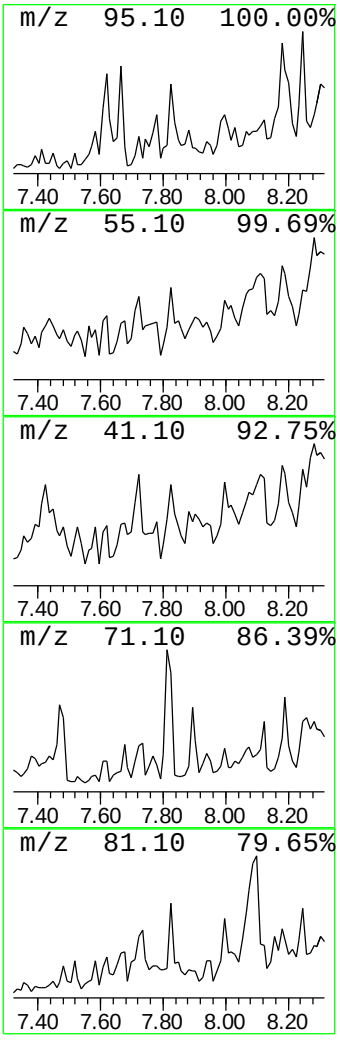
Peak Number 4 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	23.21 ng	4250720	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	64
2	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	64
3	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	46
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	38
5	2,6-Octadiene, 2,6-dimethyl-	138	C10H18	002792-39-4	30





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Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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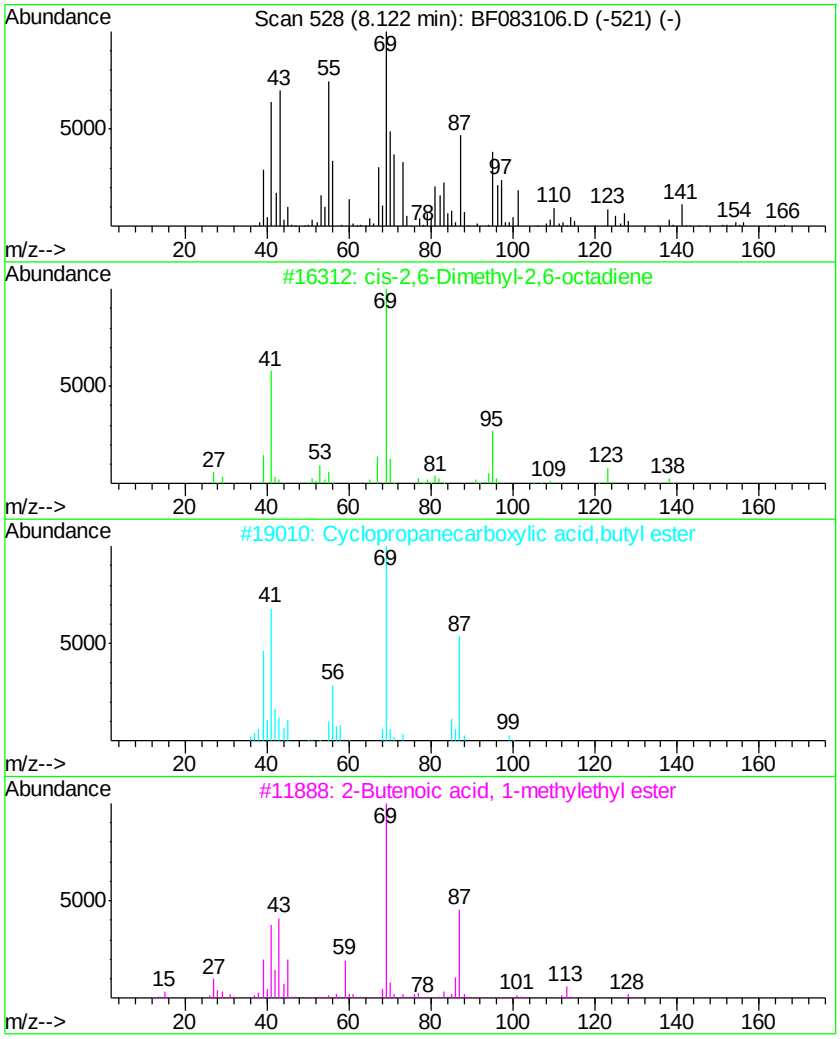
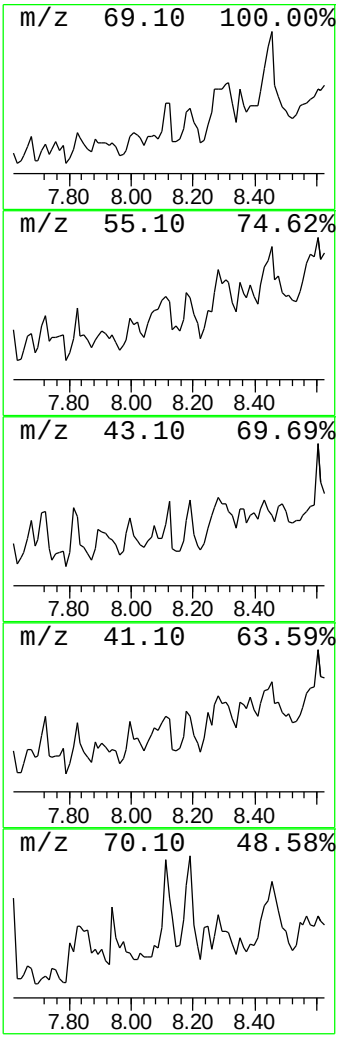
Peak Number 5 unknown8.12 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	22.89 ng	4192770	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-2,6-Dimethyl-2,6-octadiene	138	C10H18	002492-22-0	35
2	Cyclopropanecarboxylic acid,butyl...	142	C8H14O2	054947-39-6	35
3	2-Butenoic acid, 1-methylethyl e...	128	C7H12O2	018060-77-0	27
4	Trifluoroacetic acid, 1-cyclohex...	210	C9H13F3O2	1000245-83-0	27
5	Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	27





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
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Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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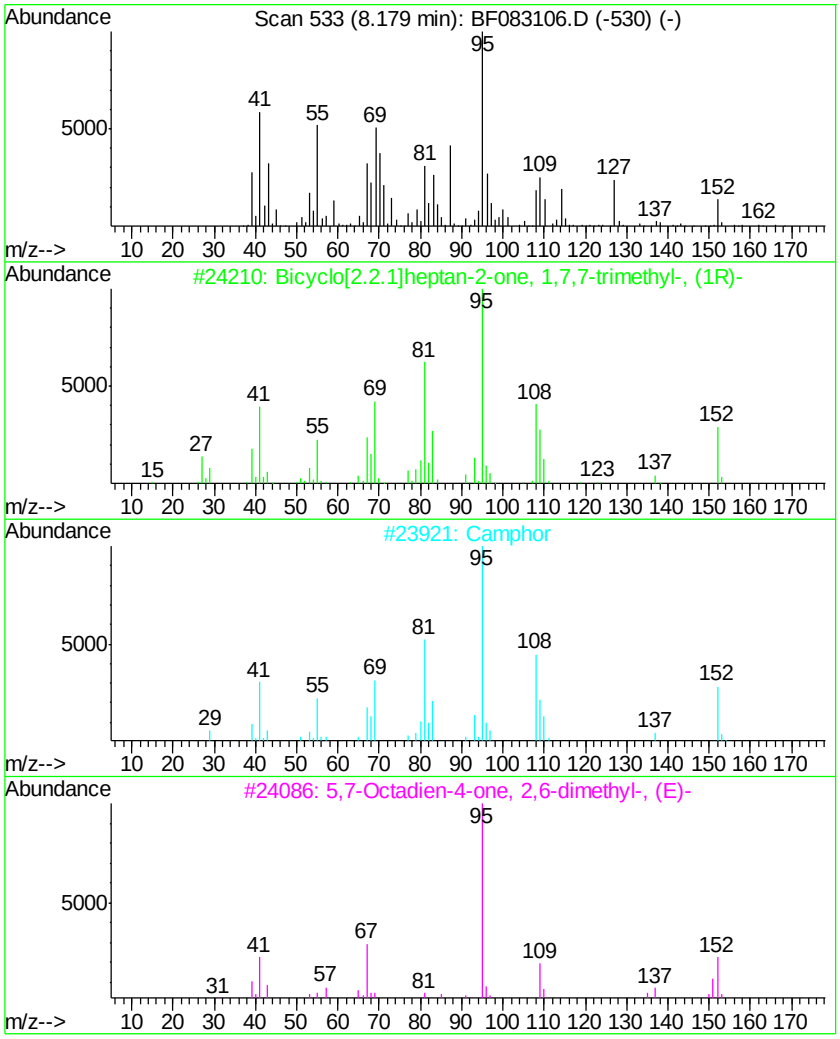
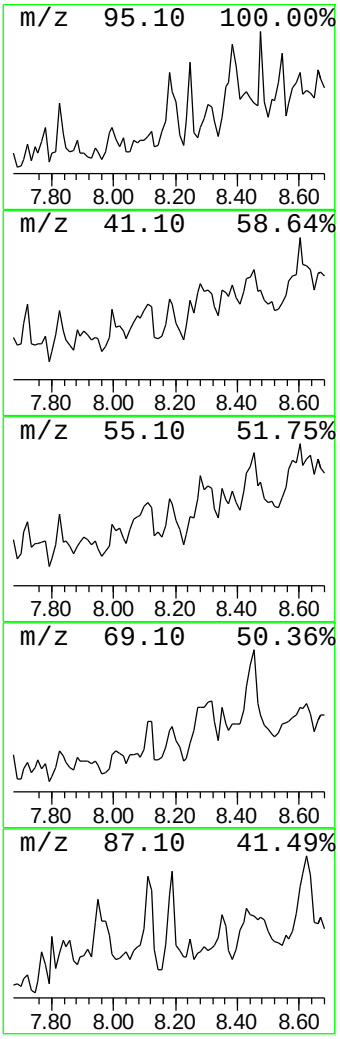
Peak Number 6 unknown8.18 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	19.94 ng	3652230	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	49
2	Camphor	152	C10H16O	000076-22-2	47
3	5,7-Octadien-4-one, 2,6-dimethyl...	152	C10H16O	006752-80-3	43
4	4-(1,2-Dimethyl-cyclopent-2-enyl...	166	C11H18O	075698-06-5	35
5	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	30





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Acq On : 21 Nov 2015 5:59
Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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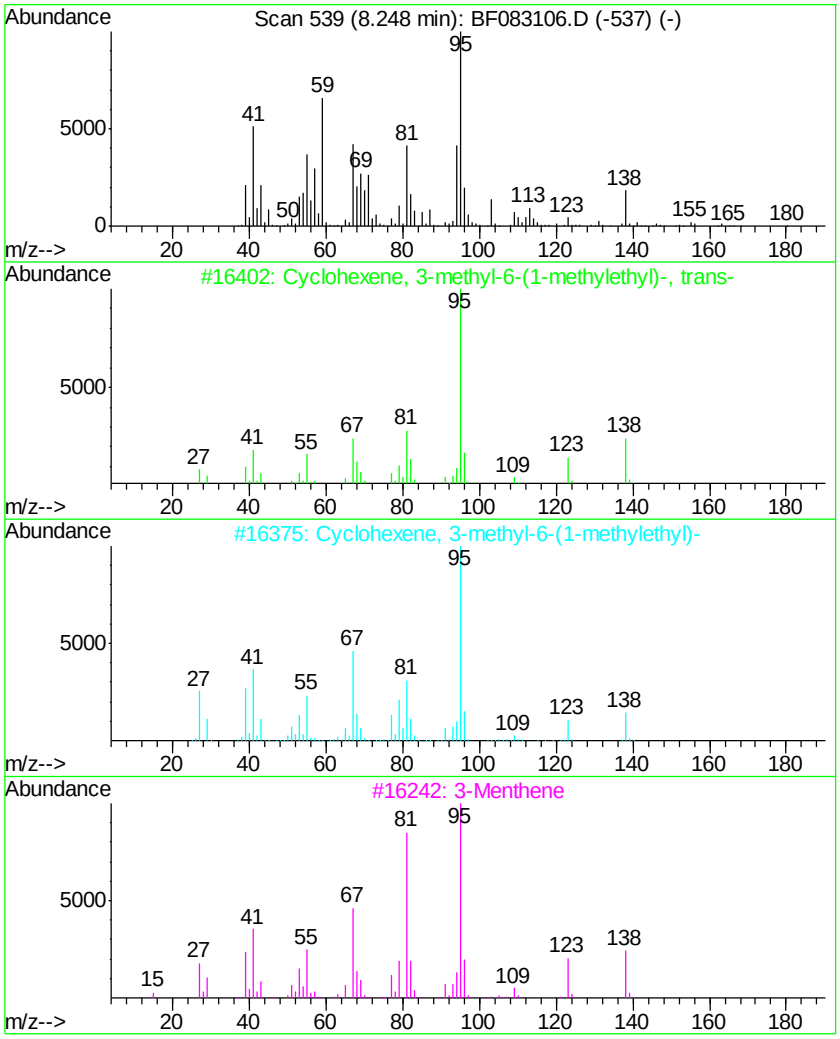
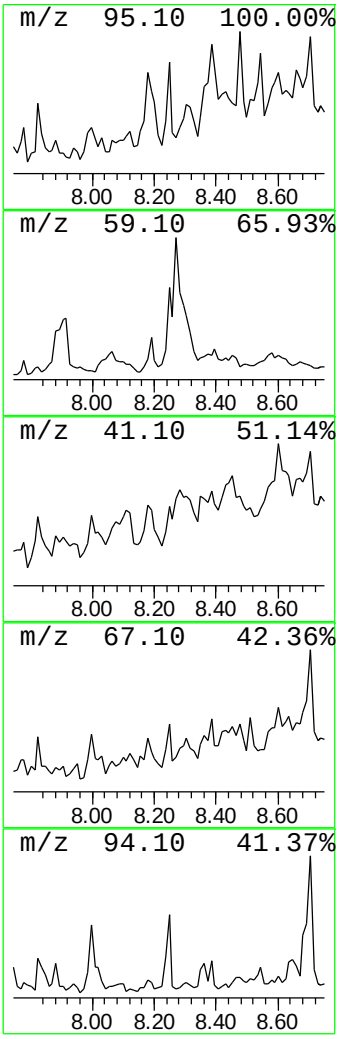
Peak Number 7 unknown8.25 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	12.08 ng	2212270	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	001124-26-1	43
2	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	43
3	3-Menthene	138	C10H18	1000118-83-1	43
4	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	43
5	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	43





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083106.D
Acq On : 21 Nov 2015 5:59
Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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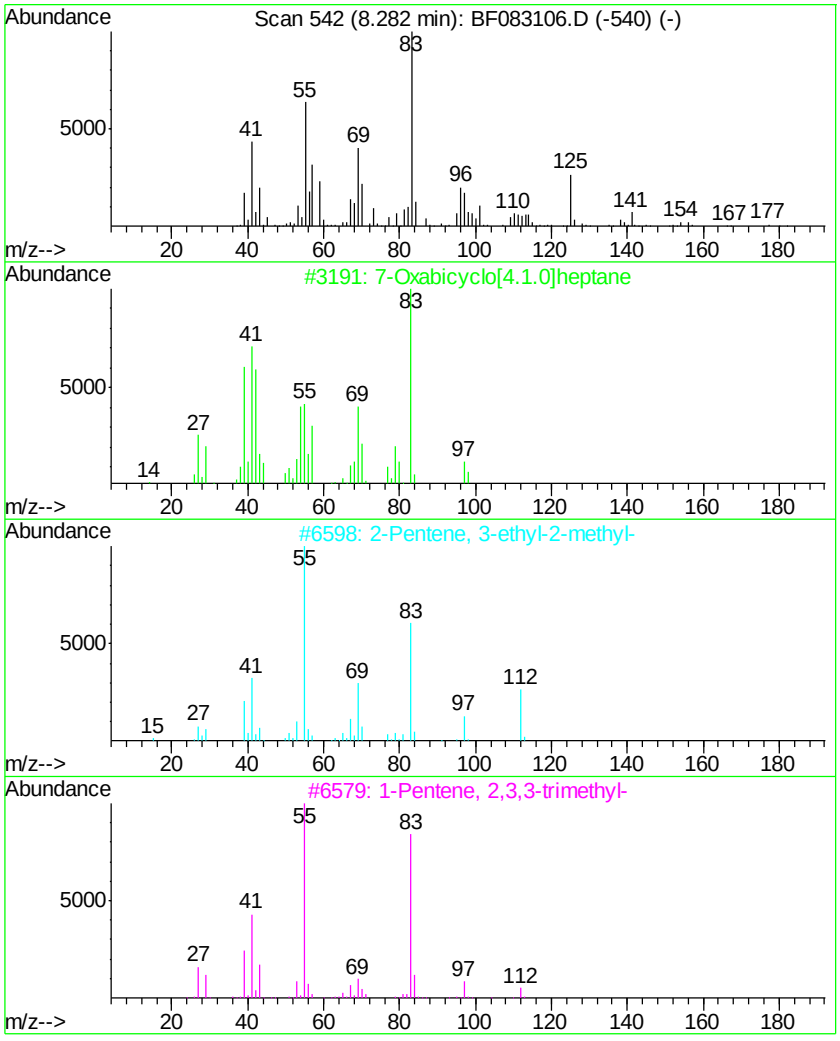
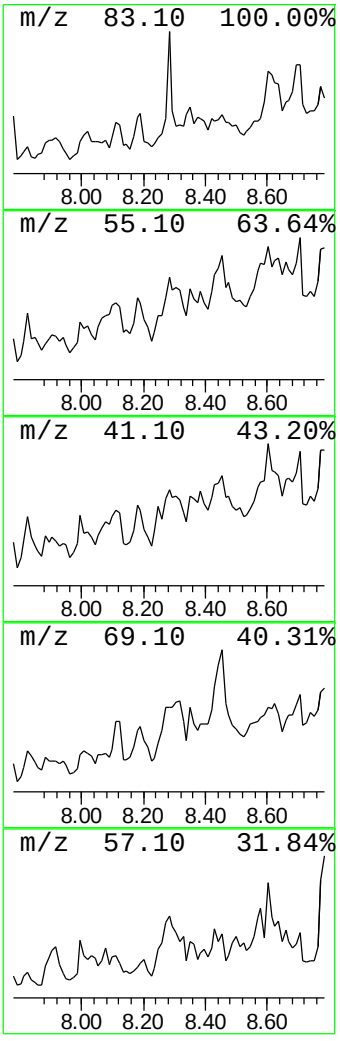
Peak Number 8 unknown8.28 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	23.73 ng	4345590	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[4.1.0]heptane	98	C6H10O	000286-20-4	46
2	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	43
3	1-Pentene, 2,3,3-trimethyl-	112	C8H16	000560-23-6	43
4	2-Butenoic acid, 3-methyl-, 2-me...	156	C9H16O2	030434-54-9	38
5	Tetrahydropyrrolo[2,1-c][1,4]oxa...	141	C7H11NO2	101250-37-7	38





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Acq On : 21 Nov 2015 5:59
Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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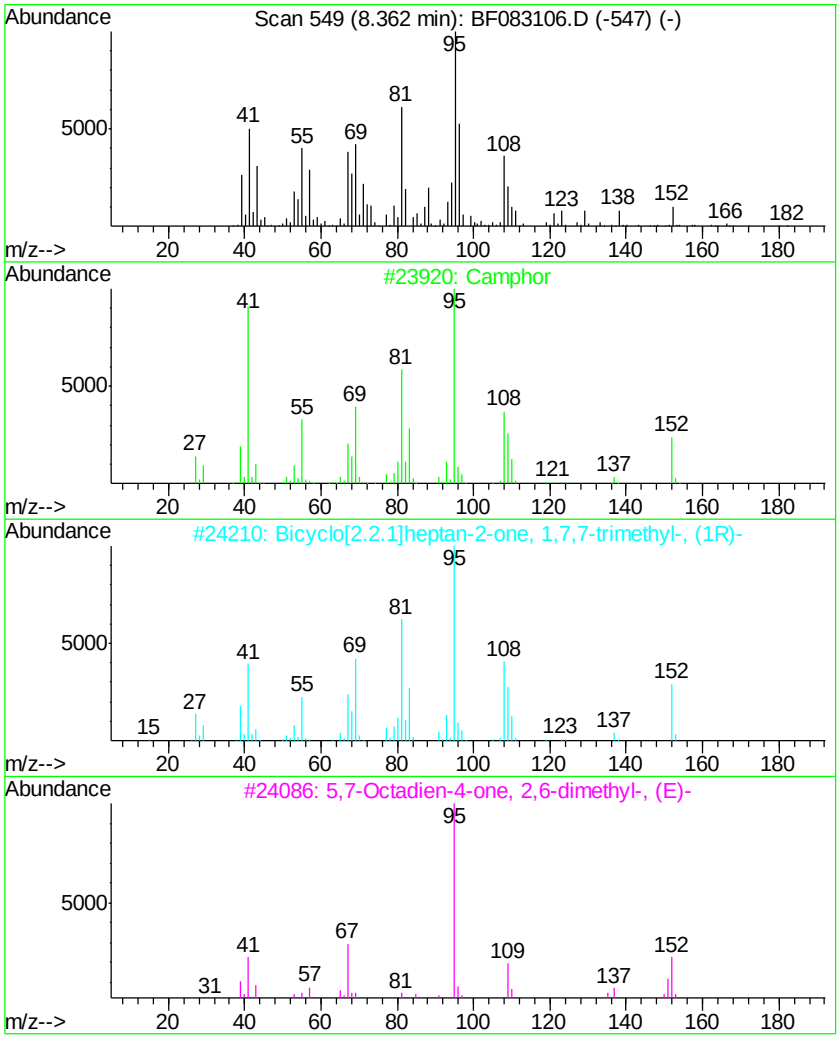
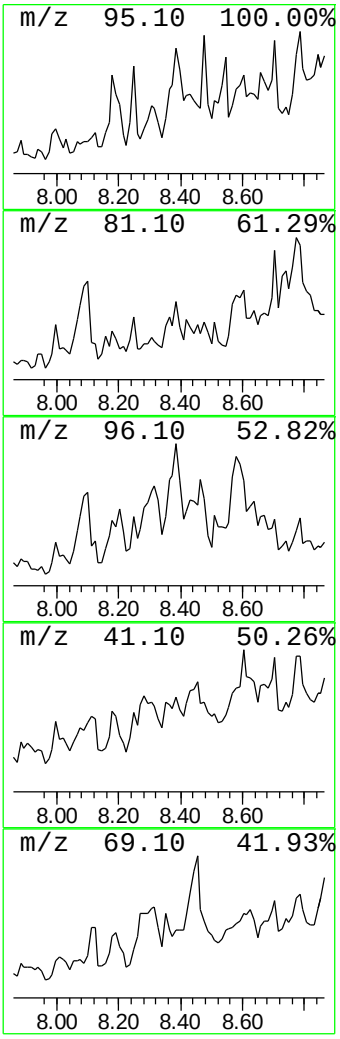
Peak Number 9 Camphor Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	10.91 ng	1998480	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphor	152	C10H16O	000076-22-2	60
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	53
3	5,7-Octadien-4-one, 2,6-dimethyl...	152	C10H16O	006752-80-3	49
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	47
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	021368-68-3	46





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Sample : G4485-04
Misc :
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Instrument : BNA_F
ClientSampleId : MW-29

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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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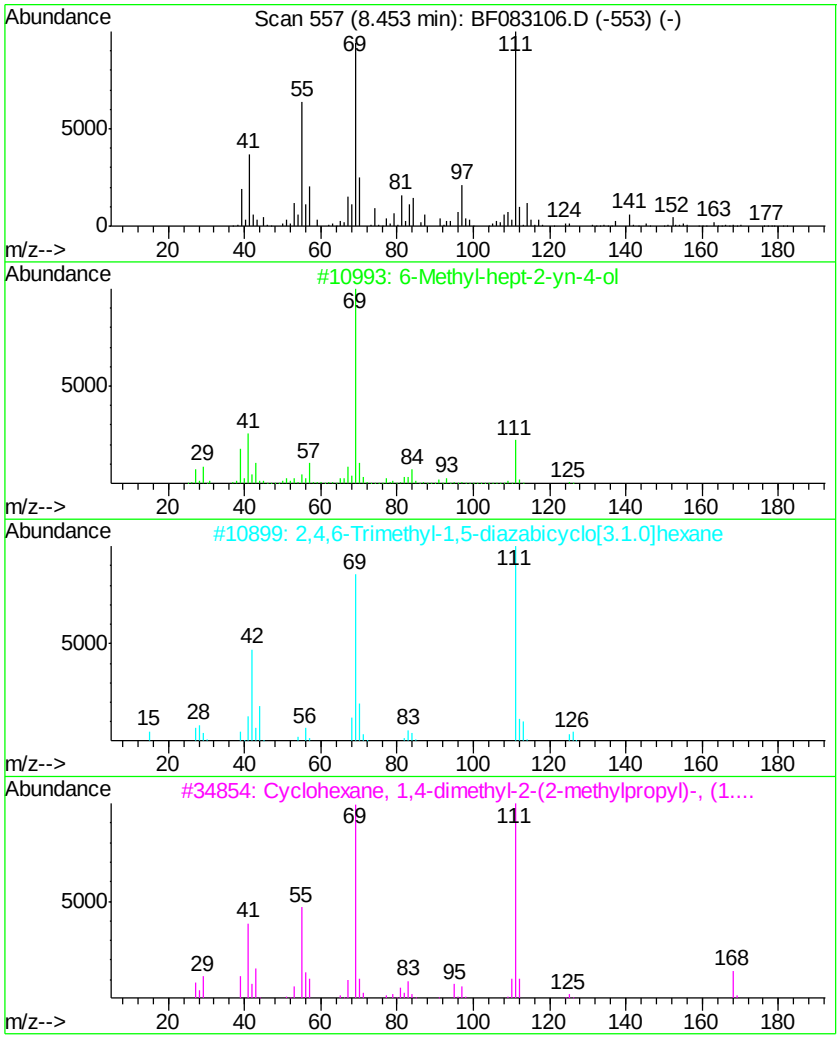
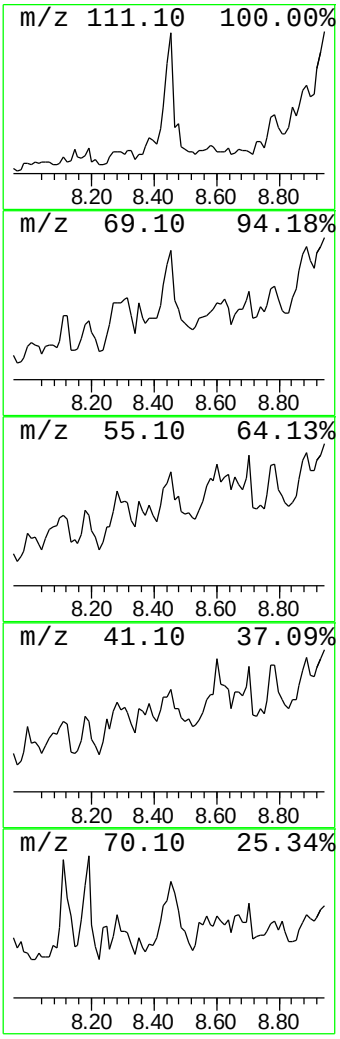
Peak Number 10 6-Methyl-hept-2-yn-4-ol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	18.60 ng	3406040	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-hept-2-yn-4-ol	126	C8H14O	060018-69-1	59
2	2,4,6-Trimethyl-1,5-diazabicyclo...	126	C7H14N2	1000283-21-2	59
3	Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	53
4	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	53
5	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	46





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ALS Vial : 35 Sample Multiplier: 1

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ClientSampleId : MW-29

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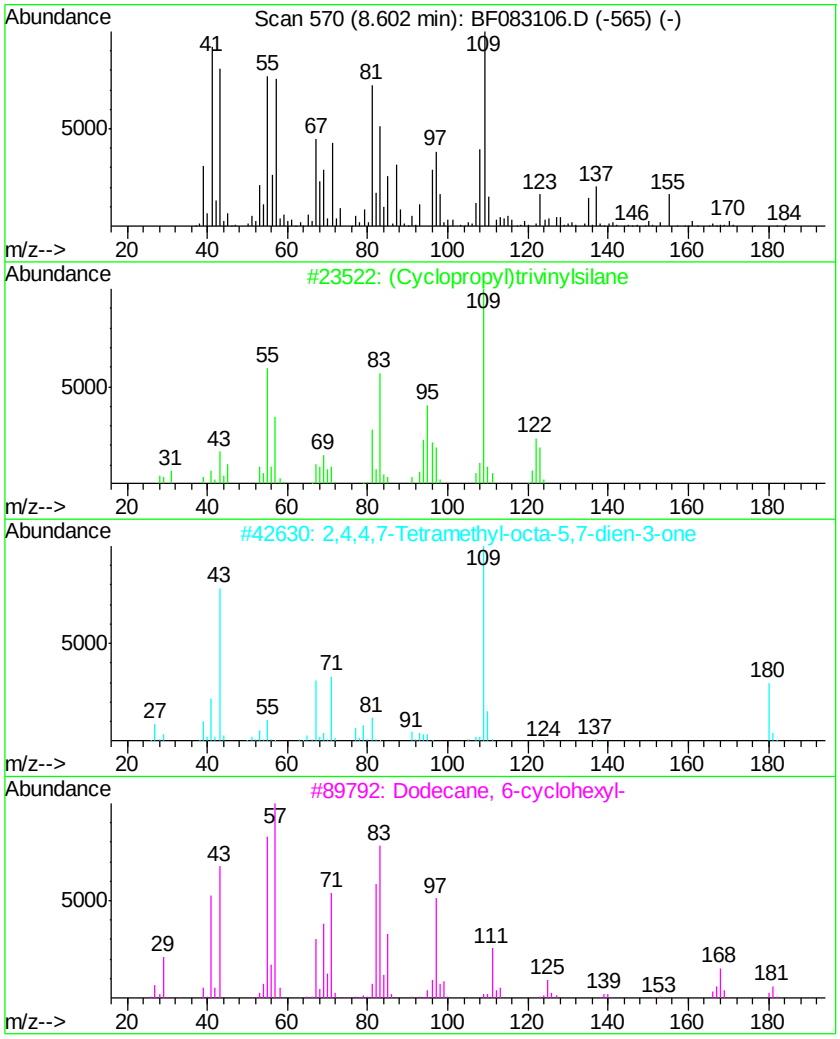
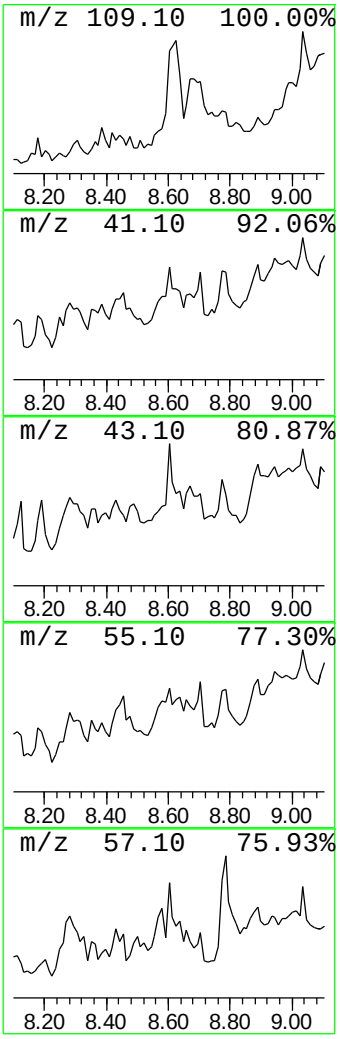
Peak Number 11 unknown8.60 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	24.64 ng	4512190	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Cyclopropyl)trivinylsilane	150	C9H14Si	1000109-93-8	35
2	2,4,4,7-Tetramethyl-octa-5,7-die...	180	C12H20O	1000190-70-6	35
3	Dodecane, 6-cyclohexyl-	252	C18H36	013151-86-5	35
4	8-Oxabicyclo[5.1.0]octane	112	C7H12O	000286-45-3	22
5	Methanamine, N-(1,5-dimethyl-4-p...	139	C7H13N3	1000272-84-2	22





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Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
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TIC Library : C:\DATABASE\NIST02.L
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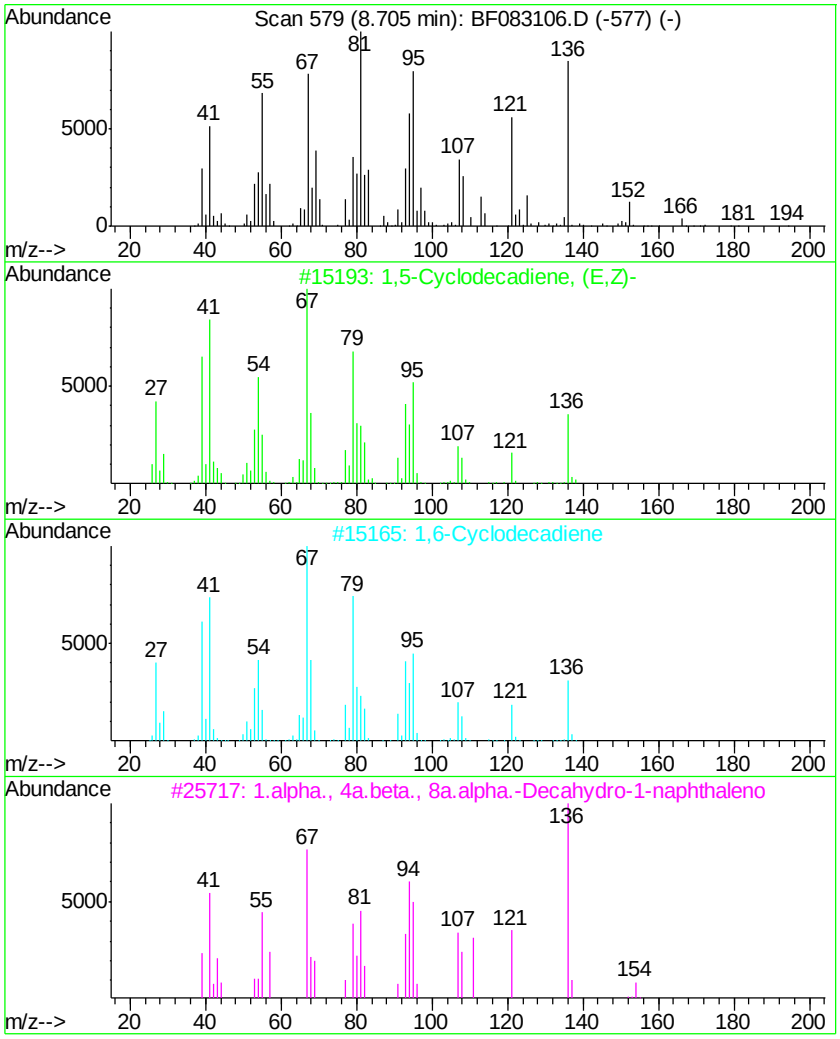
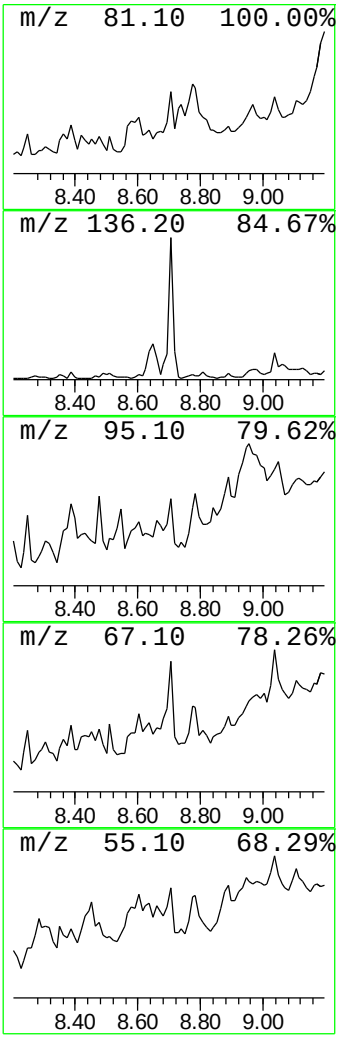
Peak Number 12 1,5-Cyclodecadiene, (E,Z)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	14.98 ng	2744160	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Cyclodecadiene, (E,Z)-	136	C10H16	001124-78-3	58
2	1,6-Cyclodecadiene	136	C10H16	007049-13-0	53
3	1.alpha., 4a.beta., 8a.alpha.-De...	154	C10H18O	036159-47-4	52
4	Bicyclo[4.3.0]nonane, 3-methylene-	136	C10H16	1000152-00-6	52
5	Tricyclo[4.4.0.0(2,8)]decane	136	C10H16	049700-59-6	50





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Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

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

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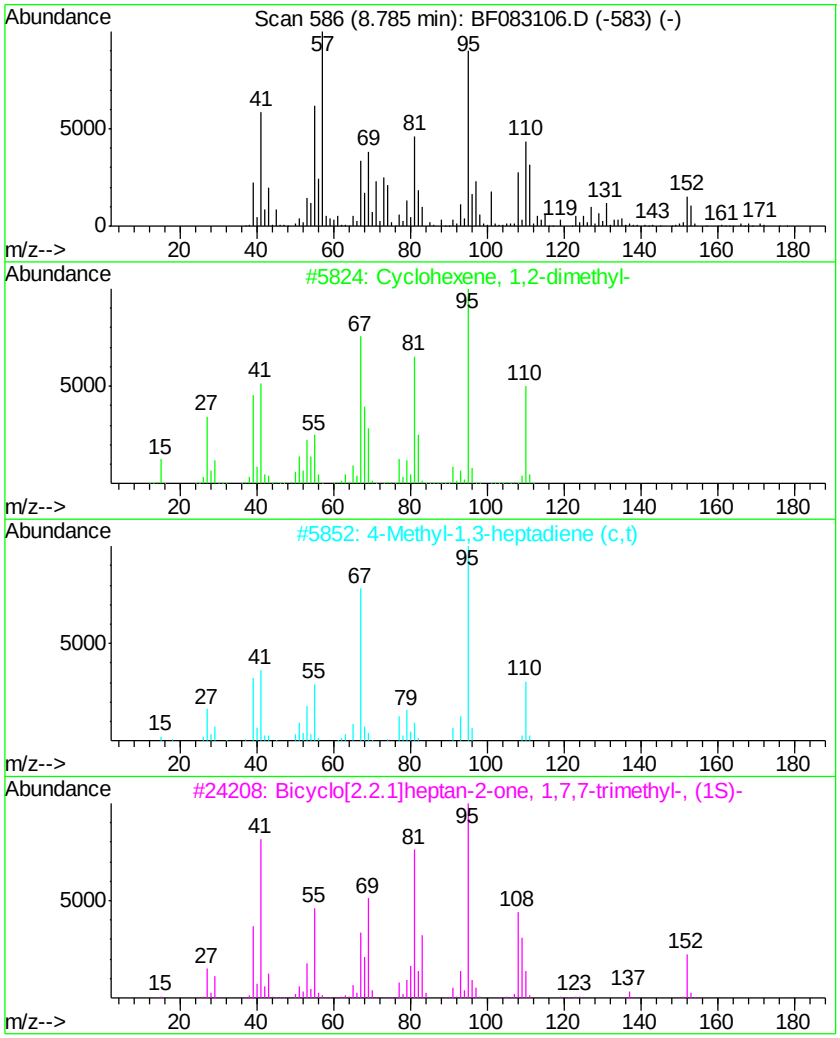
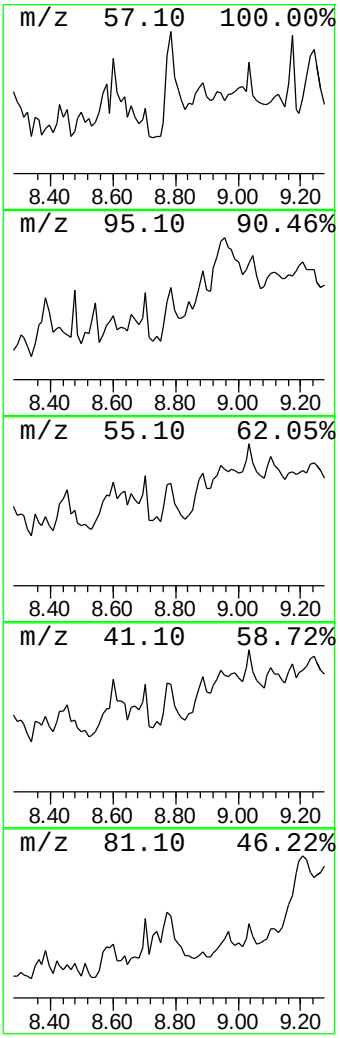
Peak Number 13 Cyclohexene, 1,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	28.45 ng	5210990	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	50
2	4-Methyl-1,3-heptadiene (c,t)	110	C8H14	017603-57-5	43
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	38
4	trans,trans-3,5-Heptadien-2-one	110	C7H10O	018402-90-9	38
5	3-Cyclopenten-1-one, 2,2,5,5-tet...	138	C9H14O	081396-36-3	38





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Sample : G4485-04
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ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

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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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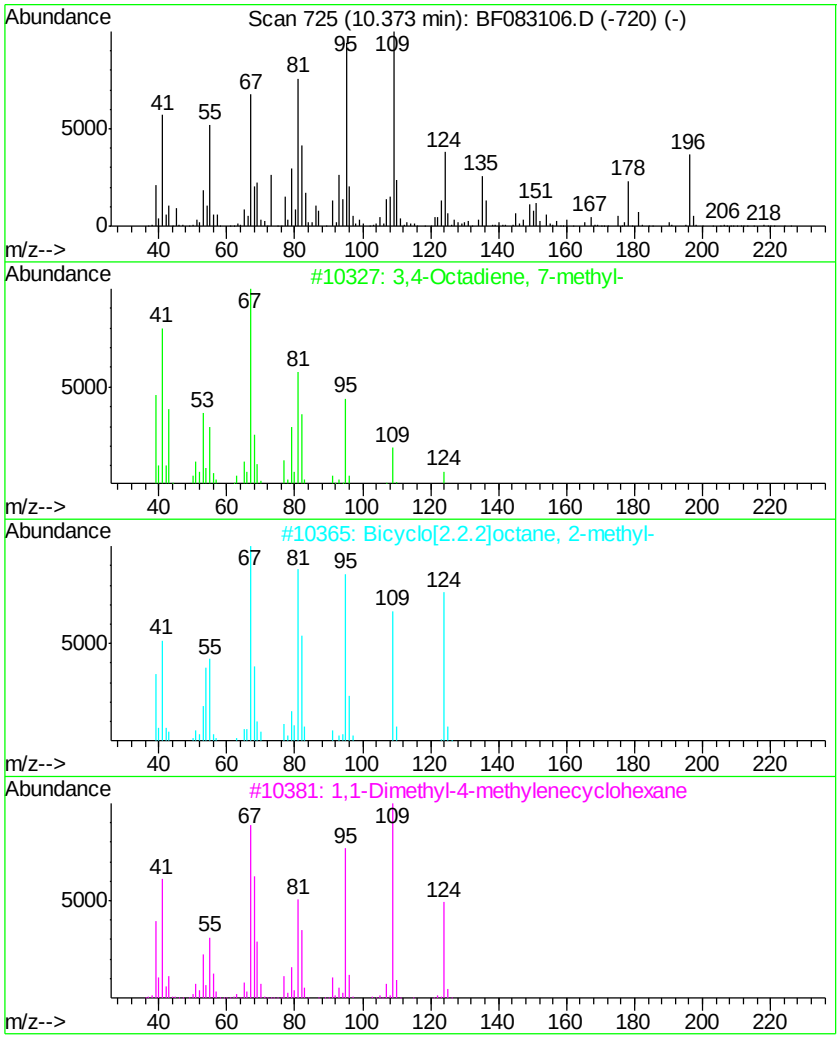
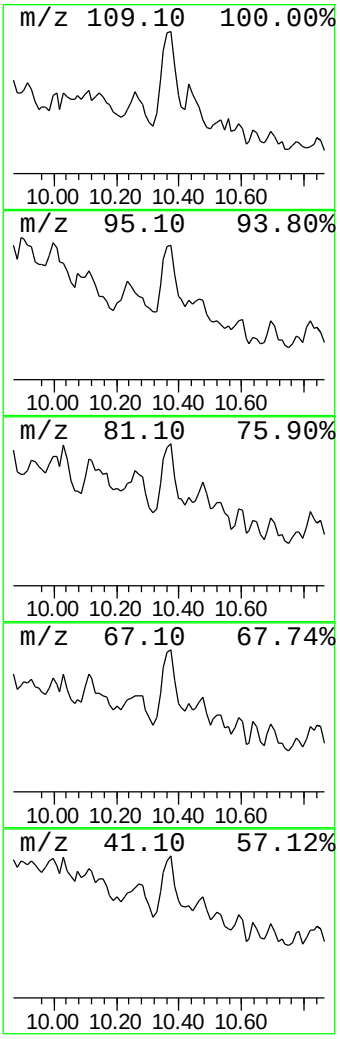
Peak Number 14 3,4-Octadiene, 7-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	20.00 ng	7818950	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	91
2	Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	70
3	1,1-Dimethyl-4-methylenecyclohexane	124	C9H16	006007-96-1	49
4	Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	46
5	3-Dodecyne	166	C12H22	006790-27-8	46





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Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

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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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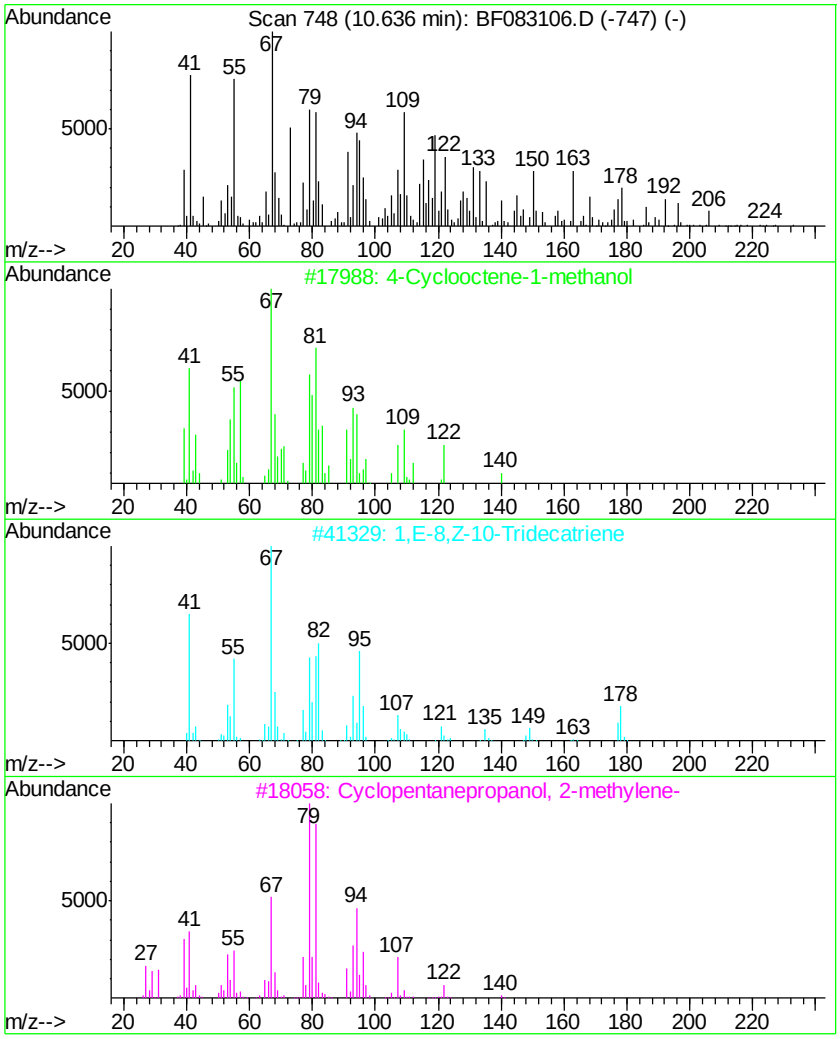
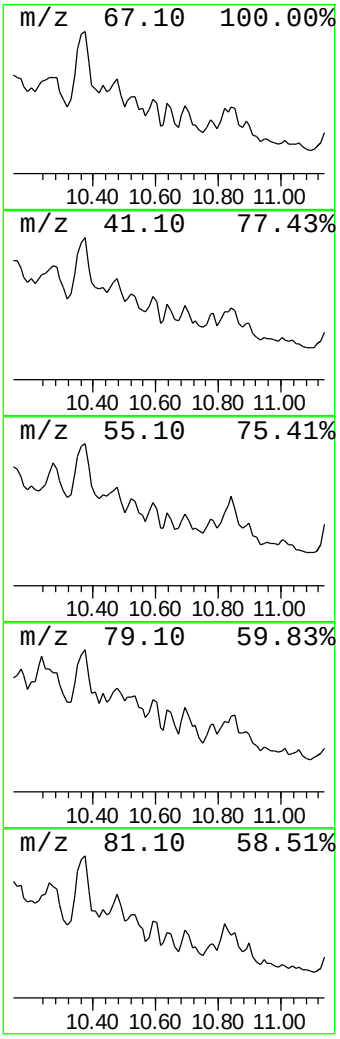
Peak Number 15 unknown10.64 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	12.57 ng	1210520	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Cyclooctene-1-methanol	140	C9H16O	013366-81-9	38
2	1,E-8,Z-10-Tridecatriene	178	C13H22	080625-30-5	38
3	Cyclopentanepropanol, 2-methylene-	140	C9H16O	053544-48-2	35
4	erythro-(trans)(1,4),(trans)(1',...	254	C16H30O2	1000154-12-7	27
5	1,6-Octadiene, 2,5-dimethyl-, (E)-	138	C10H18	068702-25-0	25





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Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
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TIC Library : C:\DATABASE\NIST02.L
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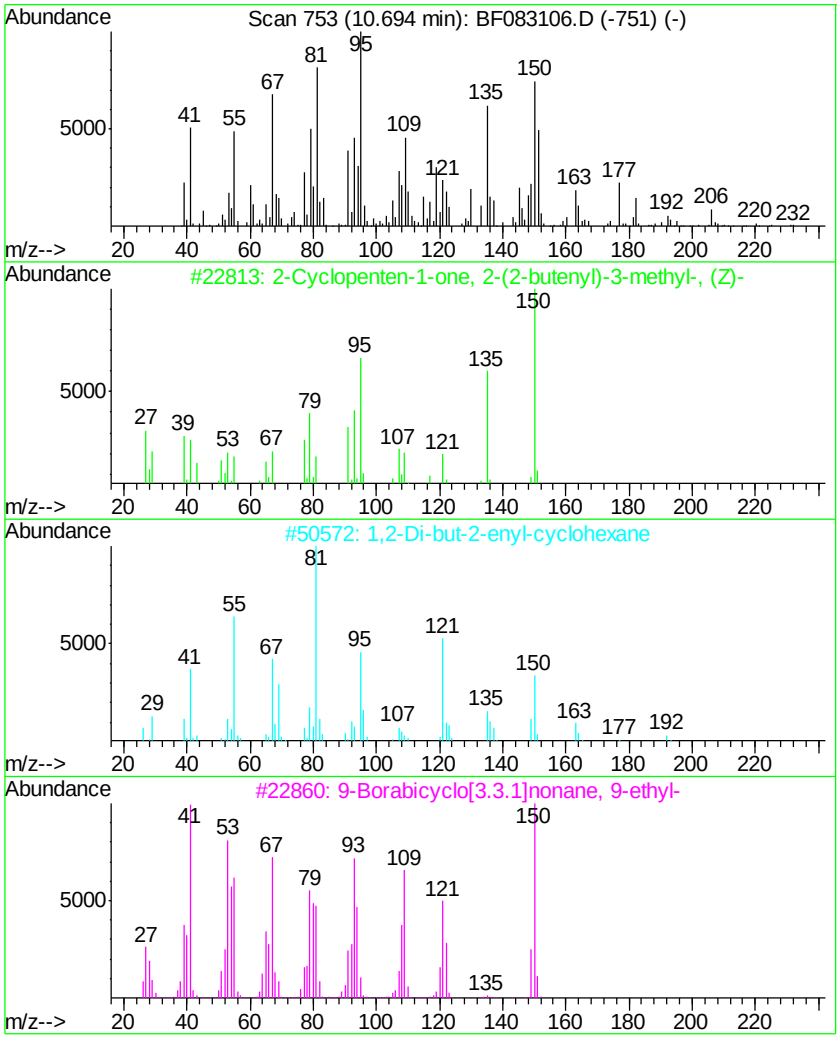
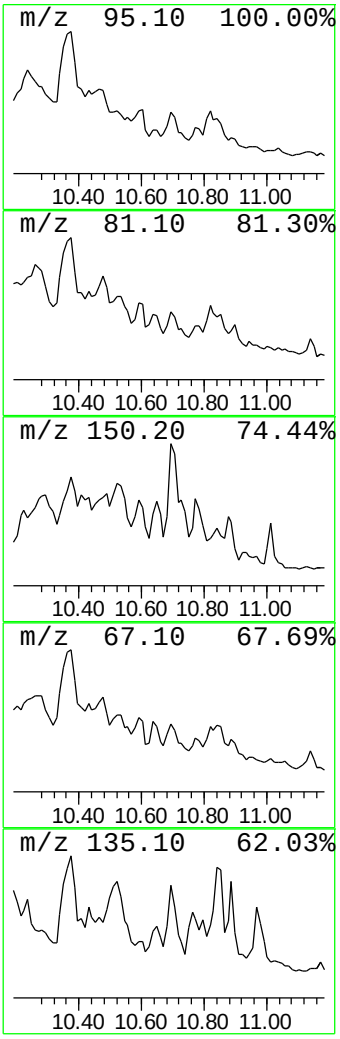
Peak Number 16 unknown10.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	32.72 ng	3151230	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2-(2-butenyl...	150	C10H14O	017190-71-5	42
2	1,2-Di-but-2-enyl-cyclohexane	192	C14H24	1000188-05-3	38
3	9-Borabicyclo[3.3.1]nonane, 9-et...	150	C10H19B	052102-17-7	20
4	4-(Phenylthio)hex-5-en-3-ol	208	C12H16OS	097370-13-3	18
5	Tricyclo[4.3.1.1(3,8)]undecane	150	C11H18	000281-46-9	18





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ClientSampleId : MW-29

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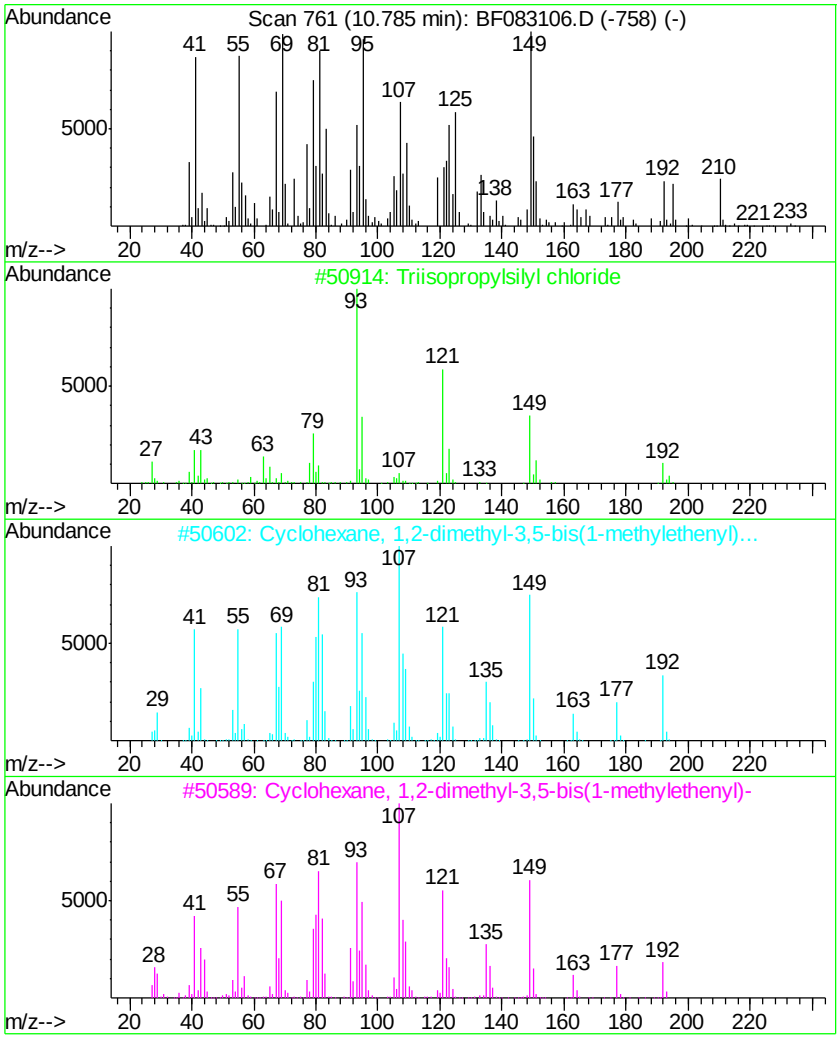
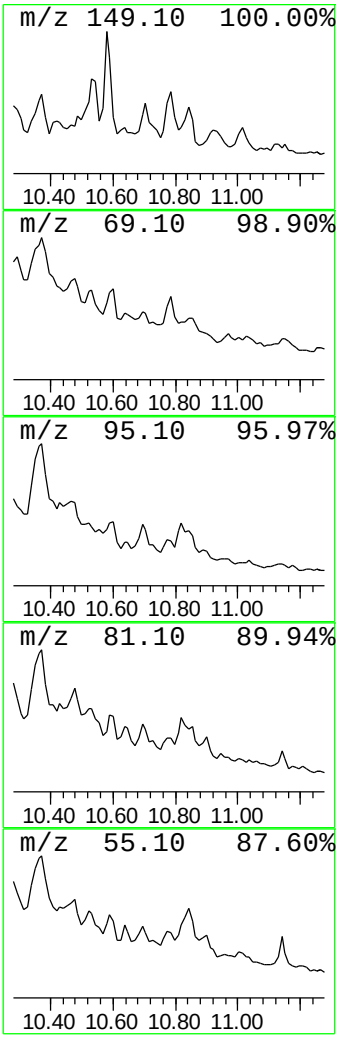
Peak Number 17 unknown10.78 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	13.29 ng	1279950	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triisopropylsilyl chloride	192	C9H21ClSi	013154-24-0	43
2	Cyclohexane, 1,2-dimethyl-3,5-bi...	192	C14H24	074806-56-7	38
3	Cyclohexane, 1,2-dimethyl-3,5-bi...	192	C14H24	062337-99-9	30
4	Bicyclo[2.2.1]heptan-2-one, 7-(b...	230	C10H15BrO	002111-66-2	27
5	7-Tetradecyne	194	C14H26	035216-11-6	25





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Instrument : BNA_F
ClientSampleId : MW-29

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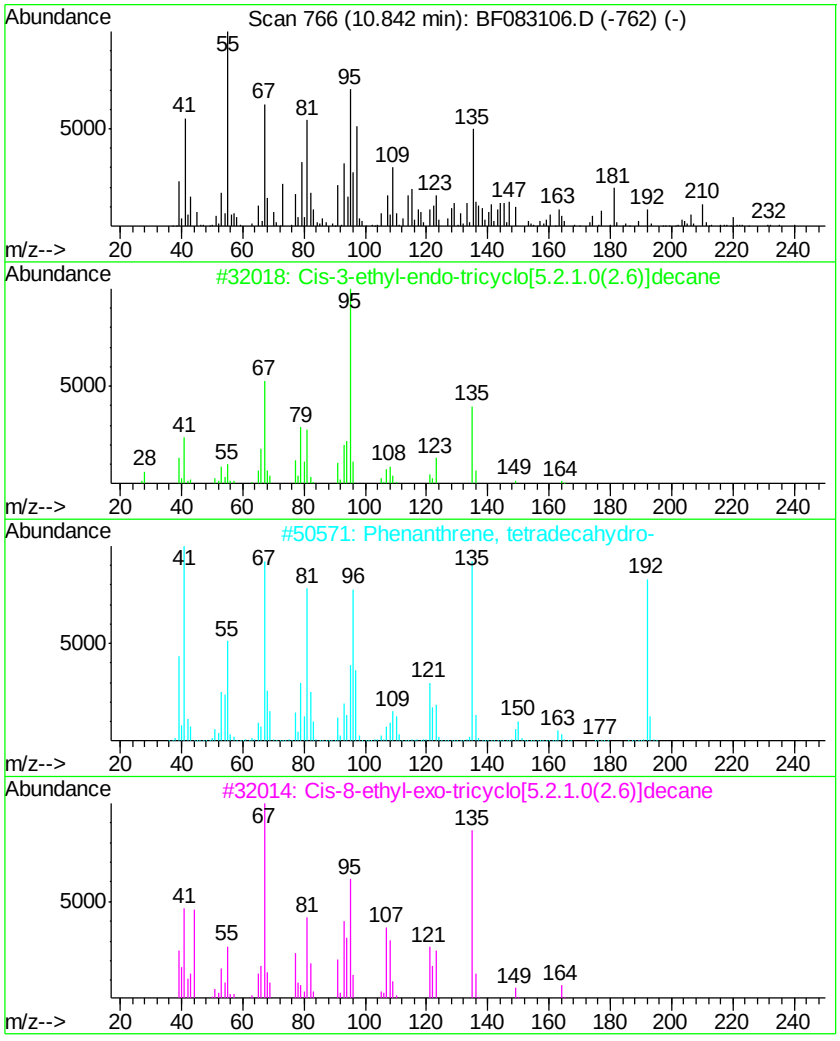
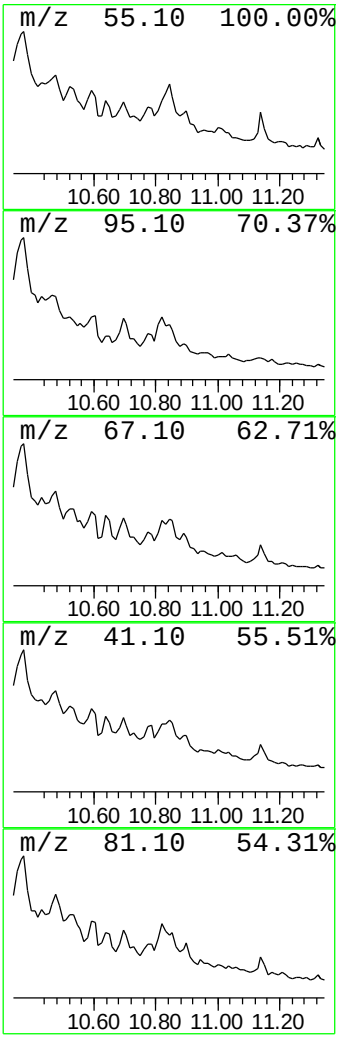
Peak Number 18 Cis-3-ethyl-endo-tricyclo[5... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	24.74 ng	2382870	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cis-3-ethyl-endo-tricyclo[5.2.1....	164	C12H20	1000215-29-1	50
2	Phenanthrene, tetradecahydro-	192	C14H24	005743-97-5	46
3	Cis-8-ethyl-exo-tricyclo[5.2.1.0...	164	C12H20	1000215-29-4	30
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	006069-97-2	30
5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004755-33-3	25





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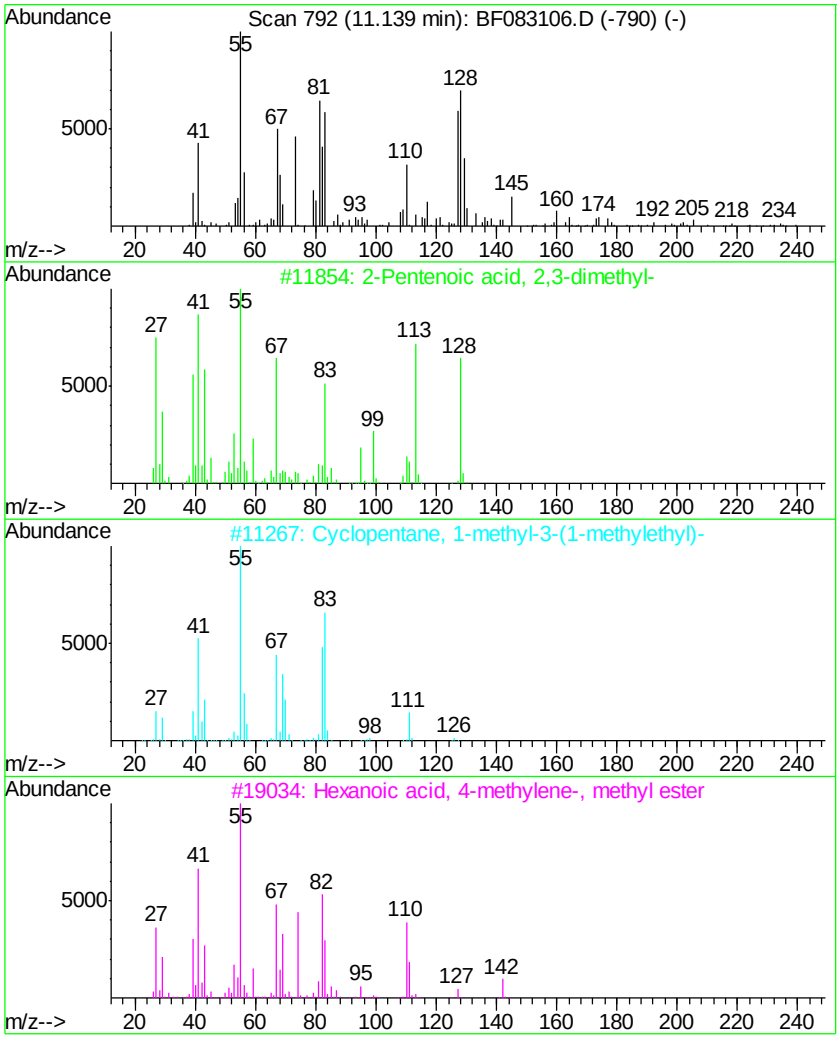
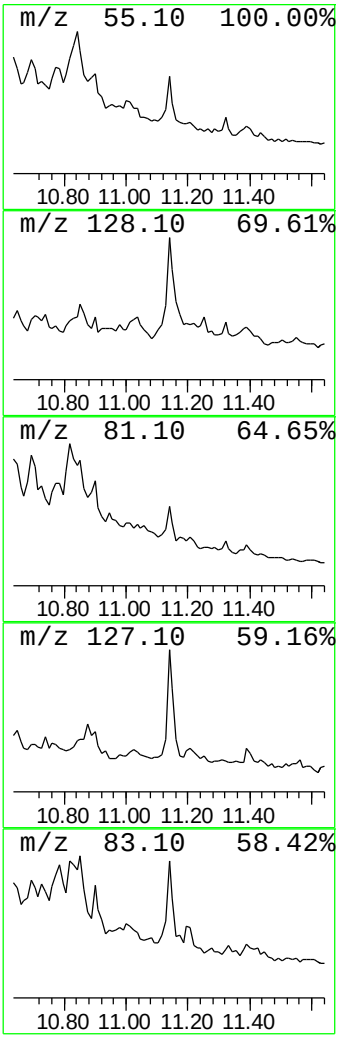
Peak Number 19 unknown11.14 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	16.75 ng	1613480	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenoic acid, 2,3-dimethyl-	128	C7H12O2	122630-51-7	38
2	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	35
3	Hexanoic acid, 4-methylene-, met...	142	C8H14O2	073805-48-8	35
4	Cyclohexanecarboxylic acid, cycl...	210	C13H22O2	015840-96-7	22
5	Cyclohexanemethanol	114	C7H14O	000100-49-2	22





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083106.D
Acq On : 21 Nov 2015 5:59
Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

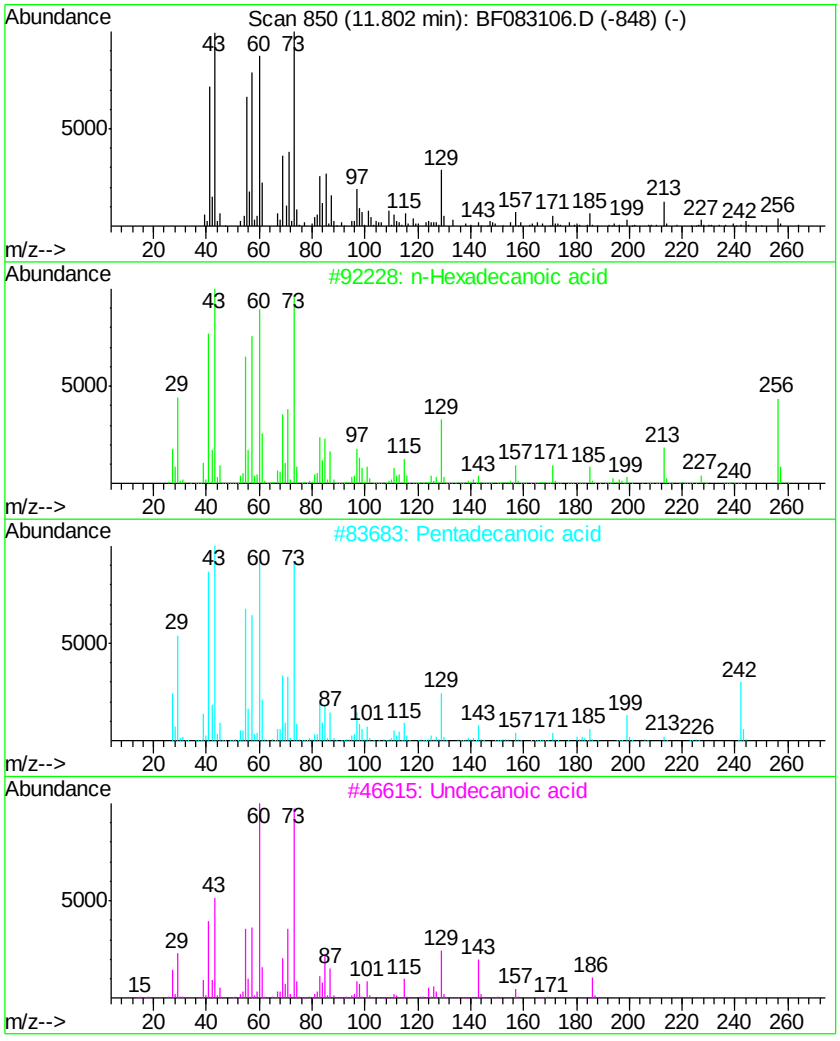
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

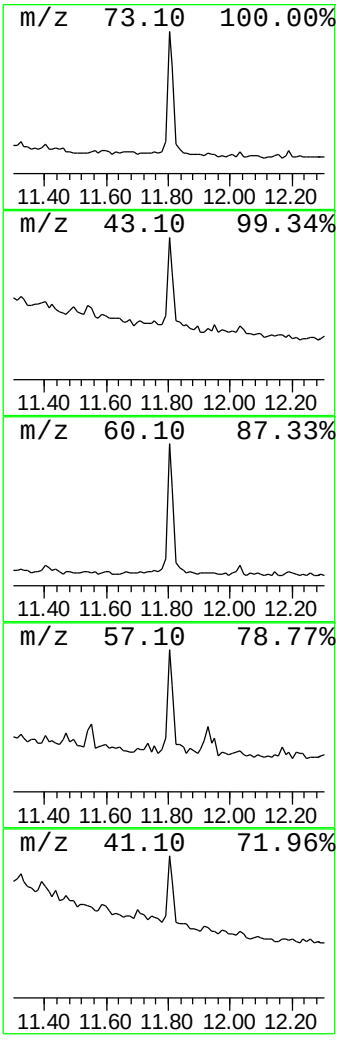
****

Peak Number 20 n-Hexadecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	11.11 ng	1069730	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3	Undecanoic acid	186	C11H22O2	000112-37-8	78
4	Tridecanoic acid	214	C13H26O2	000638-53-9	72
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	15





Tentatively Identified Compound (LSC) summary

Data Path : V:\HPCHEM1\BNA_F\DATA\BF112015\
Data File : BF083106.D
Acq On : 21 Nov 2015 5:59
Operator : UM/IZ
Sample : G4485-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-29

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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
unknown6.48	6.48	31.0	ng	3985910	1	6.70	2574720	20.0
unknown7.42	7.42	15.8	ng	2886880	2	8.00	3662820	20.0
Cyclohexane, 1-me...	7.82	23.2	ng	4250720	2	8.00	3662820	20.0
unknown8.12	8.12	22.9	ng	4192770	2	8.00	3662820	20.0
unknown8.18	8.18	19.9	ng	3652230	2	8.00	3662820	20.0
unknown8.25	8.25	12.1	ng	2212270	2	8.00	3662820	20.0
unknown8.28	8.28	23.7	ng	4345590	2	8.00	3662820	20.0
Camphor	8.36	10.9	ng	1998480	2	8.00	3662820	20.0
6-Methyl-hept-2-y...	8.45	18.6	ng	3406040	2	8.00	3662820	20.0
unknown8.60	8.60	24.6	ng	4512190	2	8.00	3662820	20.0
1,5-Cyclodecadien...	8.70	15.0	ng	2744160	2	8.00	3662820	20.0
Cyclohexene, 1,2-...	8.78	28.4	ng	5210990	2	8.00	3662820	20.0
3,4-Octadiene, 7-...	10.37	20.0	ng	7818950	3	9.76	7818950	20.0
unknown10.64	10.64	12.6	ng	1210520	4	11.24	1926140	20.0
unknown10.69	10.69	32.7	ng	3151230	4	11.24	1926140	20.0
unknown10.78	10.78	13.3	ng	1279950	4	11.24	1926140	20.0
Cis-3-ethyl-endo-...	10.84	24.7	ng	2382870	4	11.24	1926140	20.0
unknown11.14	11.14	16.8	ng	1613480	4	11.24	1926140	20.0
n-Hexadecanoic acid	11.80	11.1	ng	1069730	4	11.24	1926140	20.0