LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089151.D
Acq On : 21 Jul 2016 00:52
Operator : UM/SJ
Sample : H4112-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

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-BF072016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.724	10	12	60	rVB	1239747	1987755	100.00%	9.243%
2	4.741	274	276	285	rBV	26014	49397	2.49%	0.230%
3	5.187	313	315	325	rBV	703152	1029874	51.81%	4.789%
4	5.839	369	372	375	rVB2	36493	55093	2.77%	0.256%
5	6.033	386	389	392	rBV2	15731	29362	1.48%	0.137%
6	6.102	392	395	398	rBV2	32700	57790	2.91%	0.269%
7	6.262	406	409	414	rBV	890680	1212257	60.99%	5.637%
8	6.330	414	415	416	rVV	32166	43173	2.17%	0.201%
9	6.364	416	418	422	rVV	783160	1170868	58.90%	5.444%
10	6.422	422	423	427	rVB2	82588	102295	5.15%	0.476%
11	6.559	432	435	436	rBV3	16996	40653	2.05%	0.189%
12	6.604	436	439	440	rBV	66355	93408	4.70%	0.434%
13	6.627	440	441	443	rVB	137838	98602	4.96%	0.458%
14	6.662	443	444	448	rBV3	18827	42447	2.14%	0.197%
15	6.753	448	452	457	rVB	896120	976232	49.11%	4.539%
16	6.867	457	462	466	rBV3	50127	123675	6.22%	0.575%
17	6.924	466	467	468	rBV	24639	24774	1.25%	0.115%
18	6.993	471	473	474	rVB	55764	50579	2.54%	0.235%
19	7.027	474	476	477	rBV	29000	35640	1.79%	0.166%
20	7.096	479	482	483	rBV3	37660	77359	3.89%	0.360%
21	7.165	483	488	493	rVB	492162	851611	42.84%	3.960%
22	7.256	493	496	498	rVB2	78527	130986	6.59%	0.609%
23	7.302	498	500	501	rBV2	47856	68992	3.47%	0.321%
24	7.325	501	502	504	rVB	87181	93432	4.70%	0.434%
25	7.382	504	507	508	rBV3	60571	120503	6.06%	0.560%
26	7.405	508	509	512	rVB	236136	215188	10.83%	1.001%
27	7.462	512	514	516	rBV3	28591	58384	2.94%	0.271%
28	7.519	516	519	523	rBV4	117888	255320	12.84%	1.187%
29	7.633	527	529	530	rBV2	88631	111439	5.61%	0.518%
30	7.667	530	532	534	rVB3	67365	93407	4.70%	0.434%
31	7.713	534	536	538	rBV2	51796	94413	4.75%	0.439%
32	7.782	538	542	545	rBV4	42679	129623	6.52%	0.603%
33	7.850	545	548	549	rBV2	55369	107046	5.39%	0.498%
34	7.885	549	551	552	rVV	208774	245318	12.34%	1.141%

LSC Area Percent Report

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Sample : H4112-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

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 >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.919	552	554	557	rVV4	73247	203943	10.26%	0.948%
36	7.965	557	558	561	rVV	315191	328216	16.51%	1.526%
37	8.022	561	563	564	rVB2	54215	71703	3.61%	0.333%
38	8.056	564	566	567	rBV2	53320	79102	3.98%	0.368%
39	8.102	567	570	572	rVB3	54913	87459	4.40%	0.407%
40	8.182	572	577	579	rBV4	100372	200861	10.10%	0.934%
41	8.330	587	590	594	rBV	353393	543162	27.33%	2.526%
42	8.387	594	595	597	rVV	59668	68076	3.42%	0.317%
43	8.433	597	599	600	rVV2	80760	115574	5.81%	0.537%
44	8.502	602	605	606	rVV3	89506	192871	9.70%	0.897%
45	8.593	610	613	615	rVV	339905	503512	25.33%	2.341%
46	8.696	619	622	627	rVV	203595	437166	21.99%	2.033%
47	8.799	629	631	633	rVV2	127200	212116	10.67%	0.986%
48	8.868	635	637	639	rVV2	78175	143479	7.22%	0.667%
49	8.925	639	642	643	rVV	334612	458992	23.09%	2.134%
50	8.959	643	645	648	rVV	1116053	1373485	69.10%	6.386%
51	9.062	650	654	655	rVV2	109600	295717	14.88%	1.375%
52	9.096	655	657	659	rVV3	99556	226780	11.41%	1.054%
53	9.153	661	662	665	rVV2	94461	181793	9.15%	0.845%
54	9.222	665	668	671	rVV2	149357	343803	17.30%	1.599%
55	9.268	671	672	673	rVV	80963	102522	5.16%	0.477%
56	9.290	673	674	675	rVV	187702	201722	10.15%	0.938%
57	9.336	675	678	679	rVV2	171407	358593	18.04%	1.667%
58	9.370	679	681	689	rVV2	355740	849053	42.71%	3.948%
59	9.496	689	692	694	rVV4	66162	170750	8.59%	0.794%
60	9.542	694	696	698	rVV2	94423	135159	6.80%	0.628%
61	9.576	698	699	701	rVV	40423	66403	3.34%	0.309%
62	9.622	701	703	706	rVV3	173872	321764	16.19%	1.496%
63	9.668	706	707	711	rVV4	46602	103298	5.20%	0.480%
64	9.736	711	713	716	rVV2	44323	95643	4.81%	0.445%
65	9.839	719	722	724	rVV	60551	111137	5.59%	0.517%
66	9.873	724	725	726	rVV	38693	33477	1.68%	0.156%
67	9.896	726	727	730	rVV2	34823	49126	2.47%	0.228%
68	9.953	730	732	737	rVV4	29418	74619	3.75%	0.347%
69	10.033	737	739	742	rVV3	37116	65104	3.28%	0.303%
70	10.113	745	746	749	rVB3	14456	24969	1.26%	0.116%
71	10.296	759	762	764	rVB	58066	57024	2.87%	0.265%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089151.D
Acq On : 21 Jul 2016 00:52
Operator : UM/SJ
Sample : H4112-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

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
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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.411	770	772	775	rBV2	678645	832716	41.89%	3.872%
73	10.559	781	785	789	rVB	64320	84085	4.23%	0.391%
74	11.096	830	832	835	rBV	144550	140455	7.07%	0.653%
75	12.685	968	971	973	rBV	1473609	1388414	69.85%	6.456%
76	13.622	1049	1053	1059	rBV	28973	78634	3.96%	0.366%
77	13.714	1059	1061	1064	rVB	135718	124067	6.24%	0.577%
78	15.062	1176	1179	1182	rBV	80775	92939	4.68%	0.432%

Sum of corrected areas: 21506378

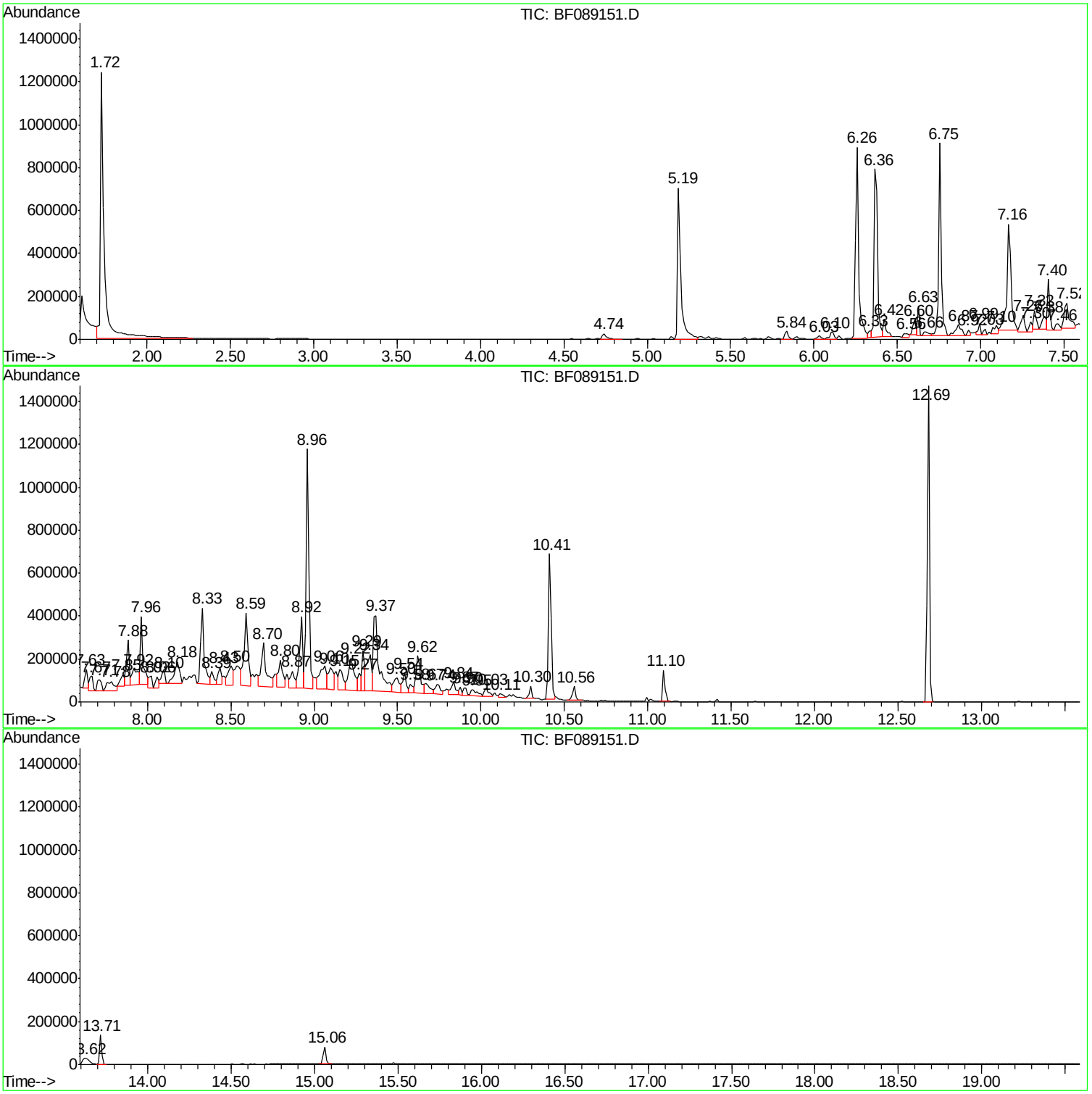
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089151.D
Acq On : 21 Jul 2016 00:52
Operator : UM/SJ
Sample : H4112-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089151.D
Acq On : 21 Jul 2016 00:52
Operator : UM/SJ
Sample : H4112-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

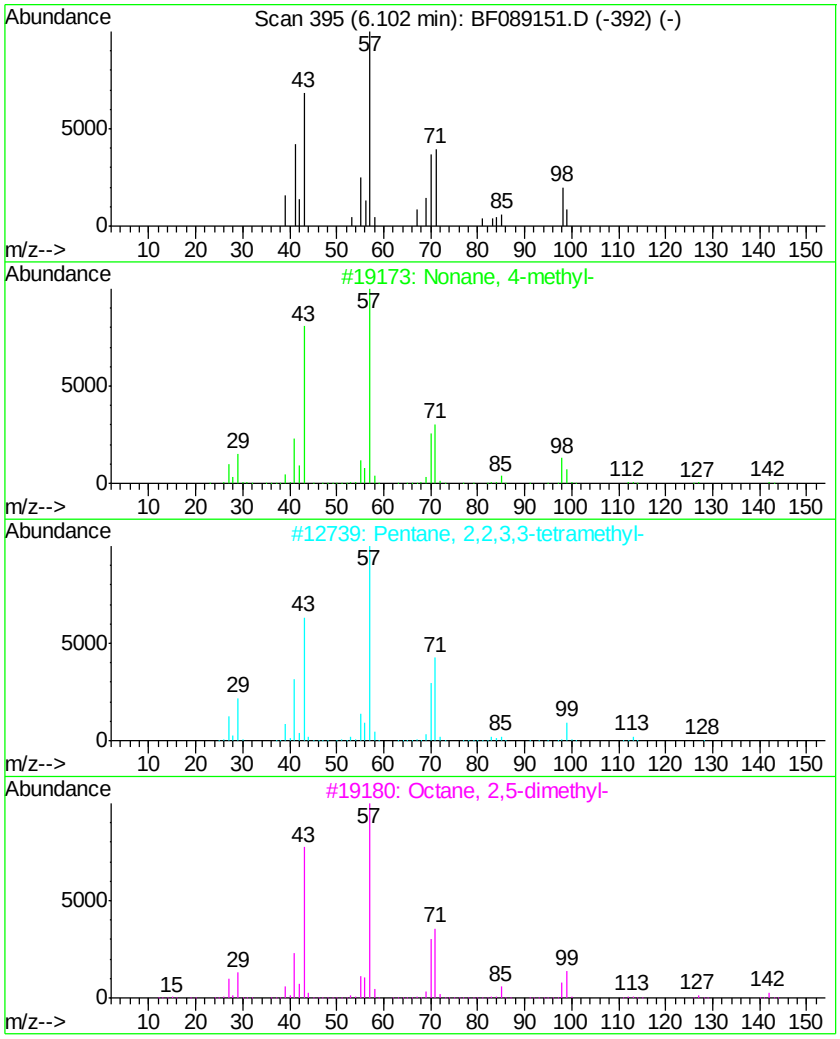
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

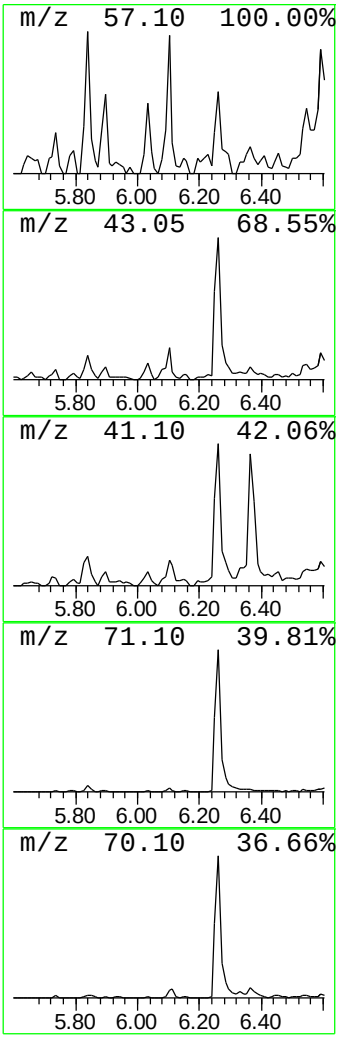
****

Peak Number 2 Nonane, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.10	12.37 ng	57790	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	78
2	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	59
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089151.D
Acq On : 21 Jul 2016 00:52
Operator : UM/SJ
Sample : H4112-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

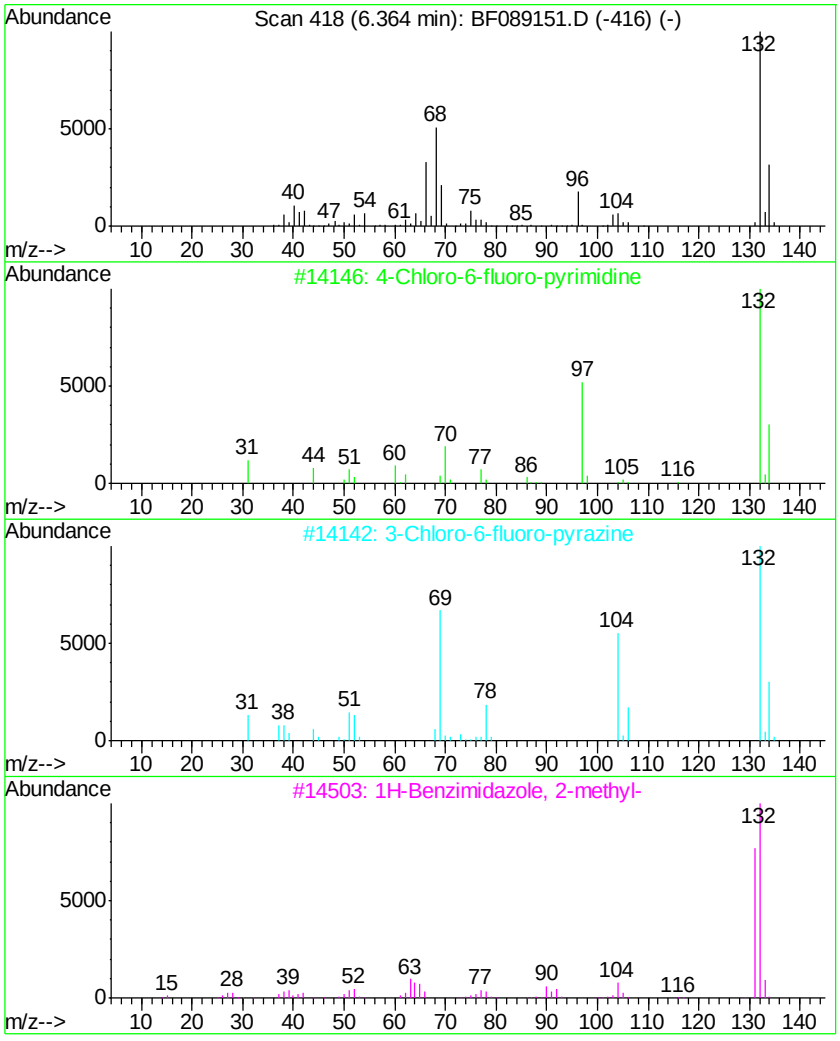
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

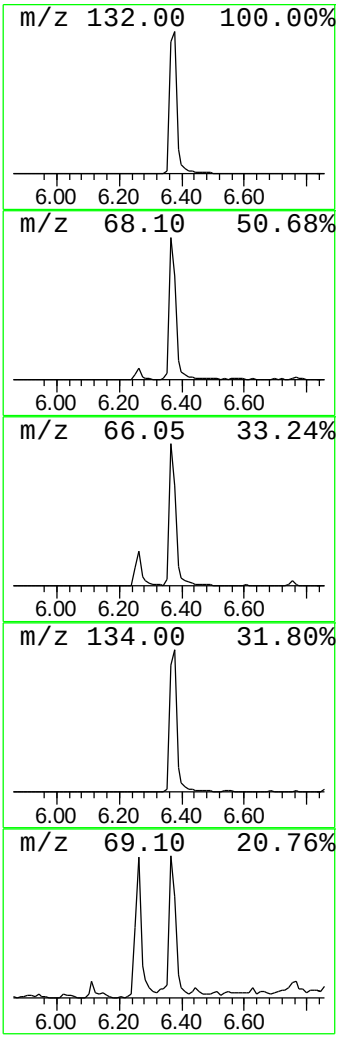
****

Peak Number 3 unknown6.36 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	250.70 ng	1170870	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	14
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089151.D
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Operator : UM/SJ
Sample : H4112-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

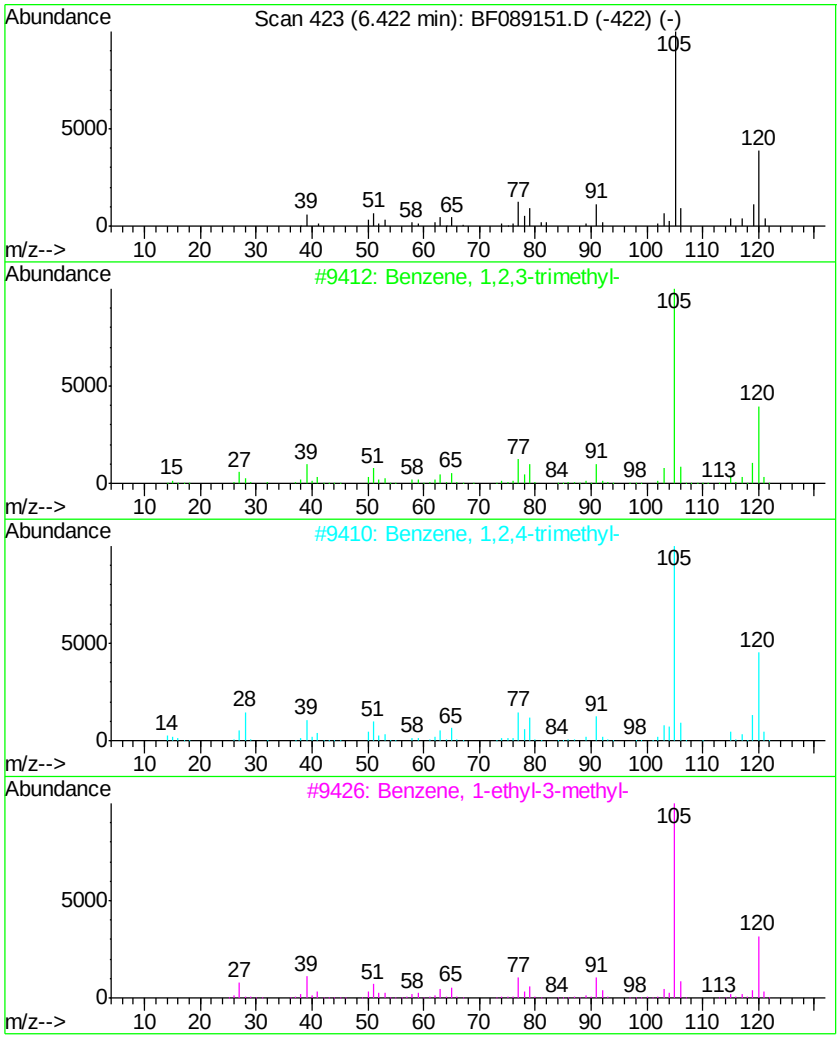
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

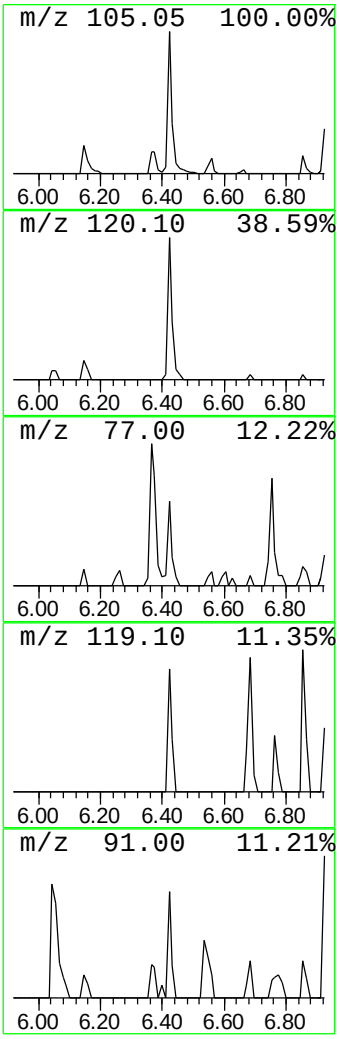
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	21.90 ng	102295	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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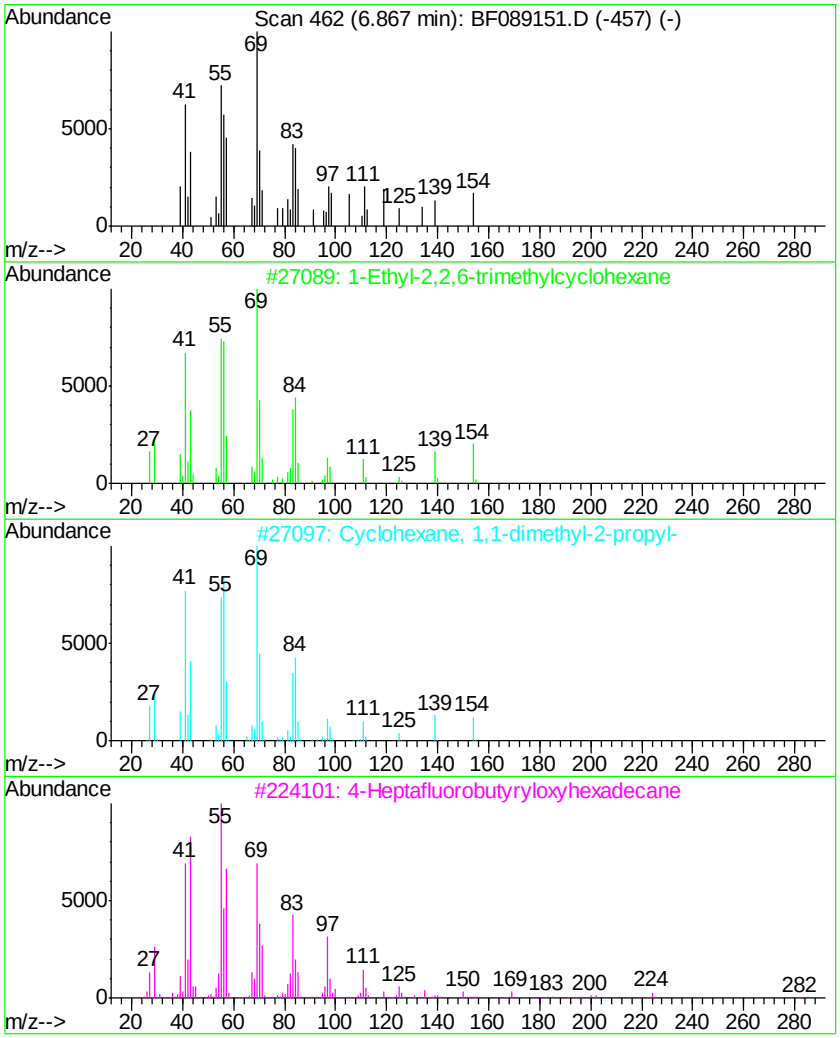
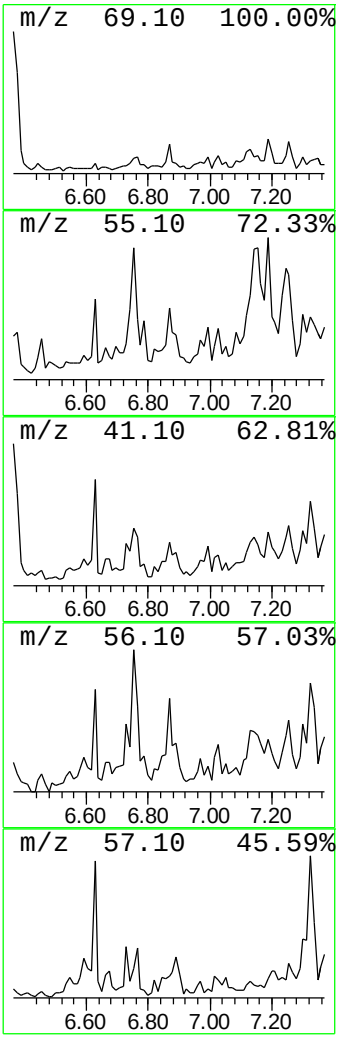
Peak Number 6 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	26.48 ng	123675	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	81
2	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	76
3	4-Heptafluorobutyryloxyhexadecane	438	C20H33F7O2	1000282-97-2	72
4	Cyclopentane, hexyl-	154	C11H22	004457-00-5	64
5	Cyclopropane, 1,2-dibutyl-	154	C11H22	041977-32-6	52





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089151.D
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Sample : H4112-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

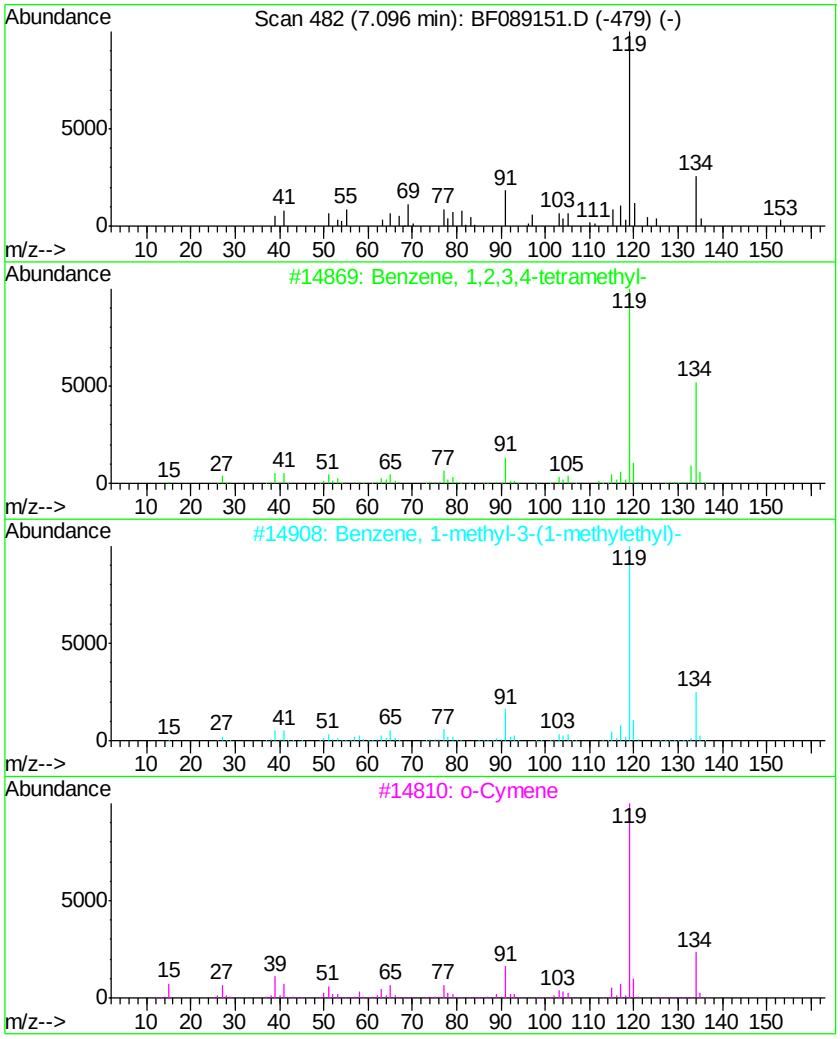
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

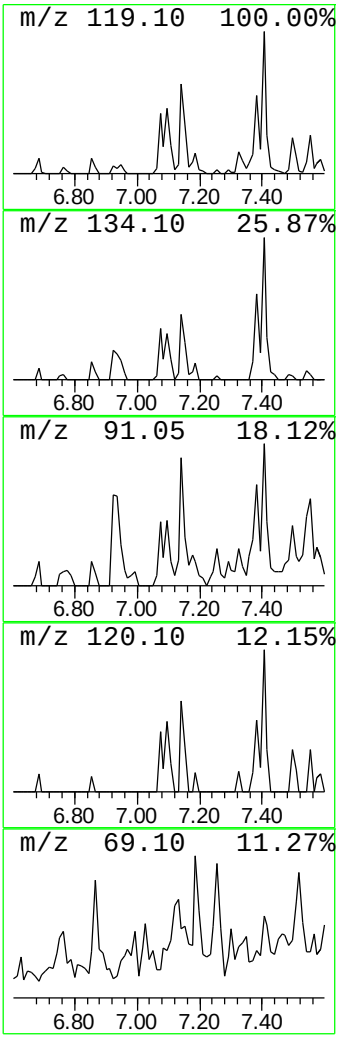
****

Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	16.56 ng	77359	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
3	o-Cymene	134	C10H14	000527-84-4	90
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
5	p-Cymene	134	C10H14	000099-87-6	90





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Data File : BF089151.D
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Operator : UM/SJ
Sample : H4112-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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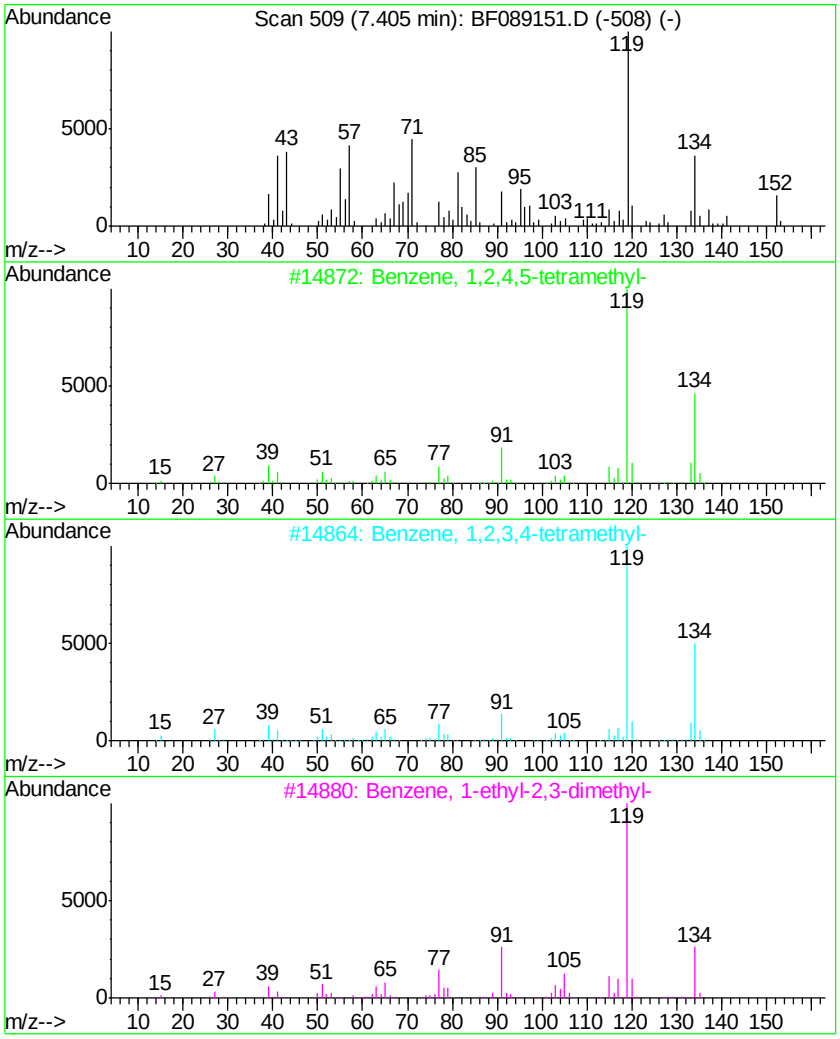
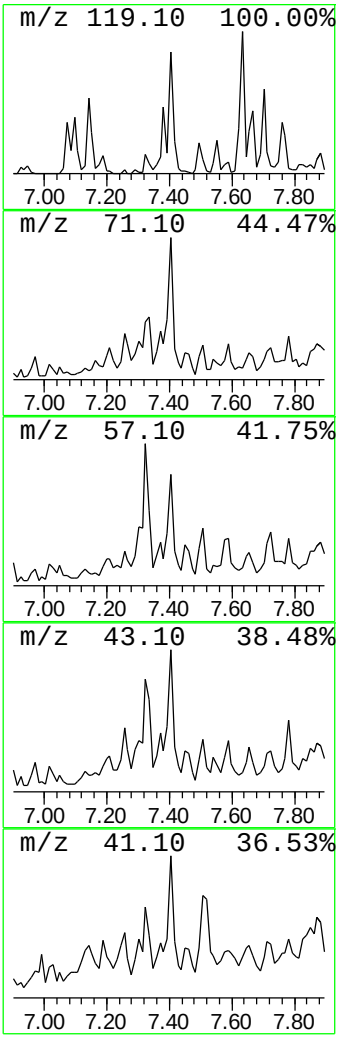
Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	17.54 ng	215188	Naphthalene-d8	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	89
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	86
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	86
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	86
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	84





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089151.D
Acq On : 21 Jul 2016 00:52
Operator : UM/SJ
Sample : H4112-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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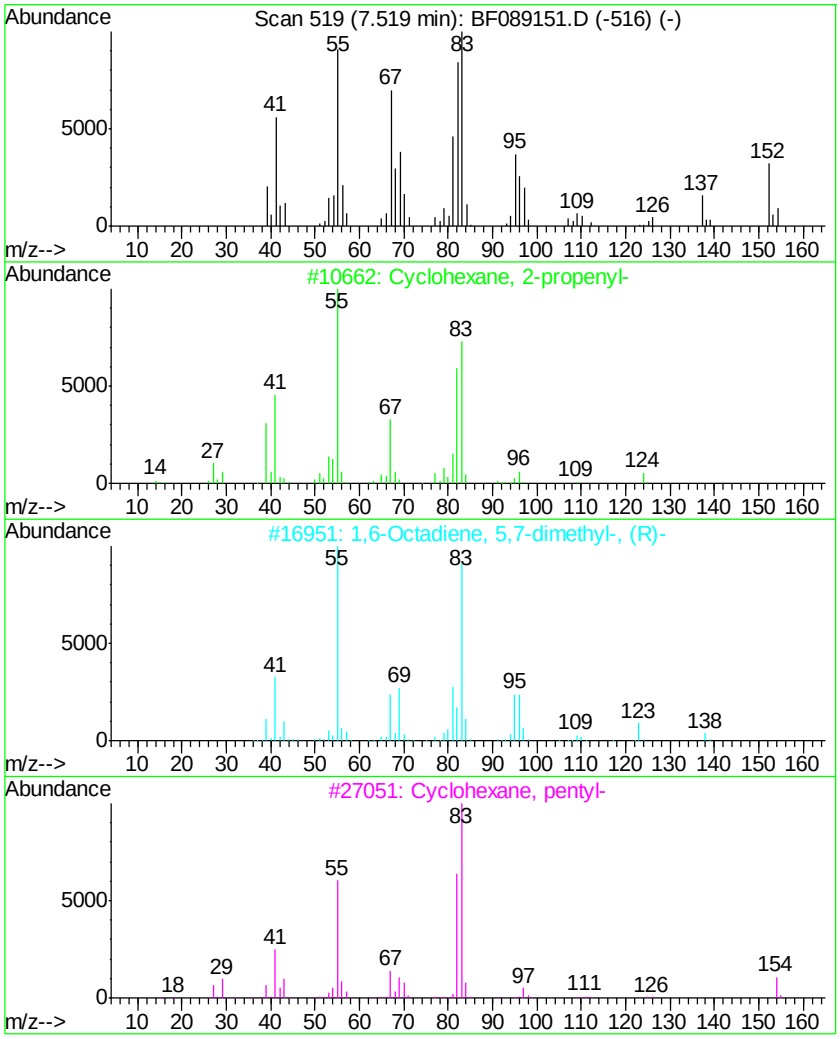
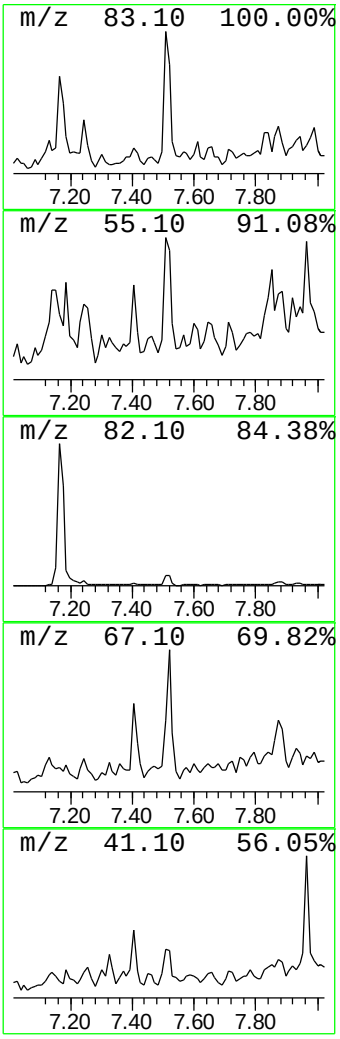
Peak Number 9 unknown7.52 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	20.82 ng	255320	Naphthalene-d8	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	47
2	1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	43
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
4	1,15-Pentadecanediol	244	C15H32O2	014722-40-8	38
5	Bicyclo[4.3.1]decan-10-one	152	C10H16O	020440-21-5	38





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Operator : UM/SJ
Sample : H4112-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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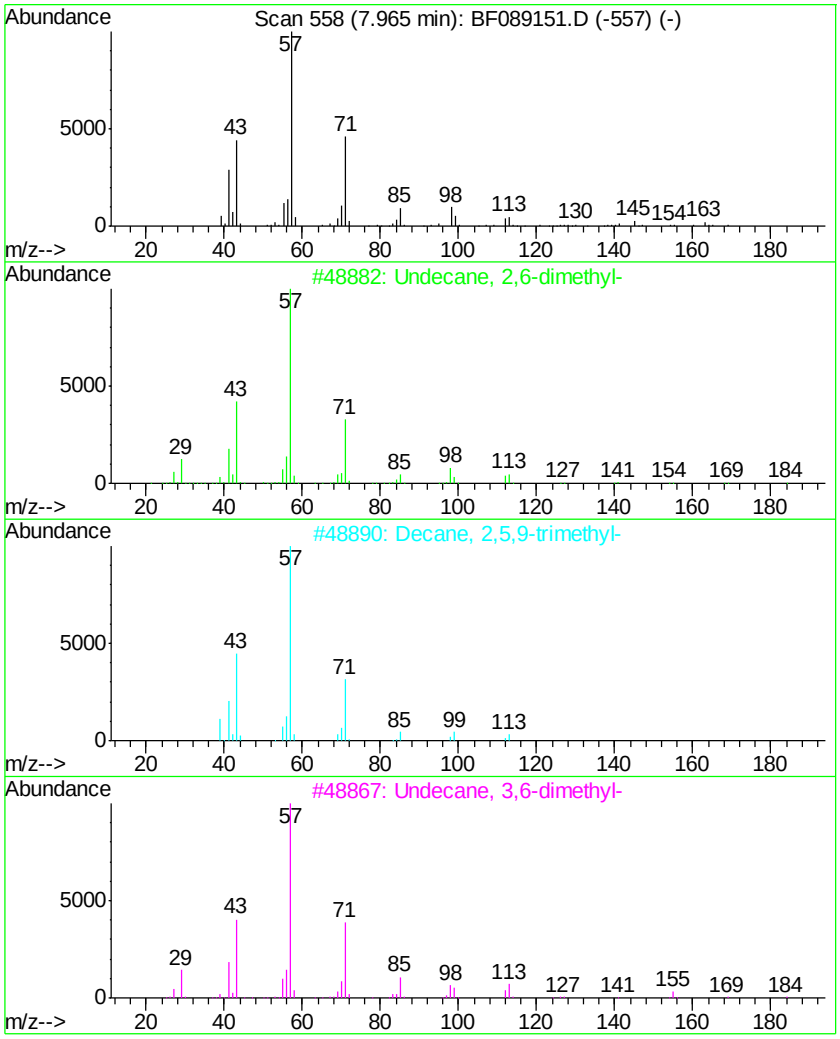
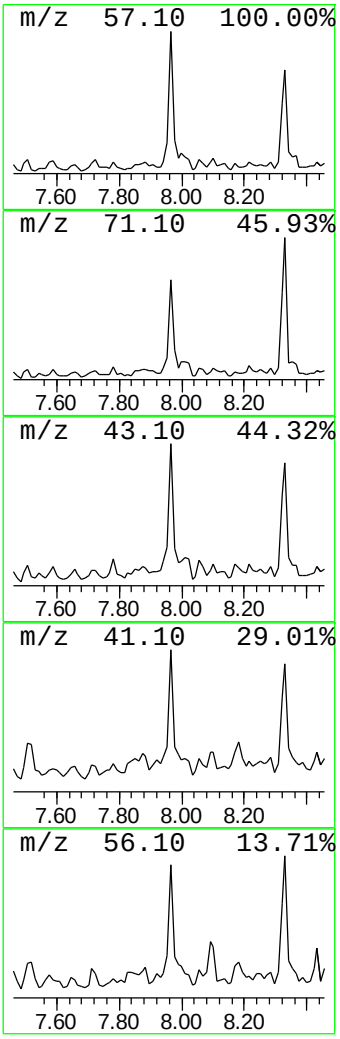
Peak Number 10 Undecane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	26.76 ng	328216	Naphthalene-d8	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
2	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	78
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	78
4	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	64
5	Hexadecane	226	C16H34	000544-76-3	64





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Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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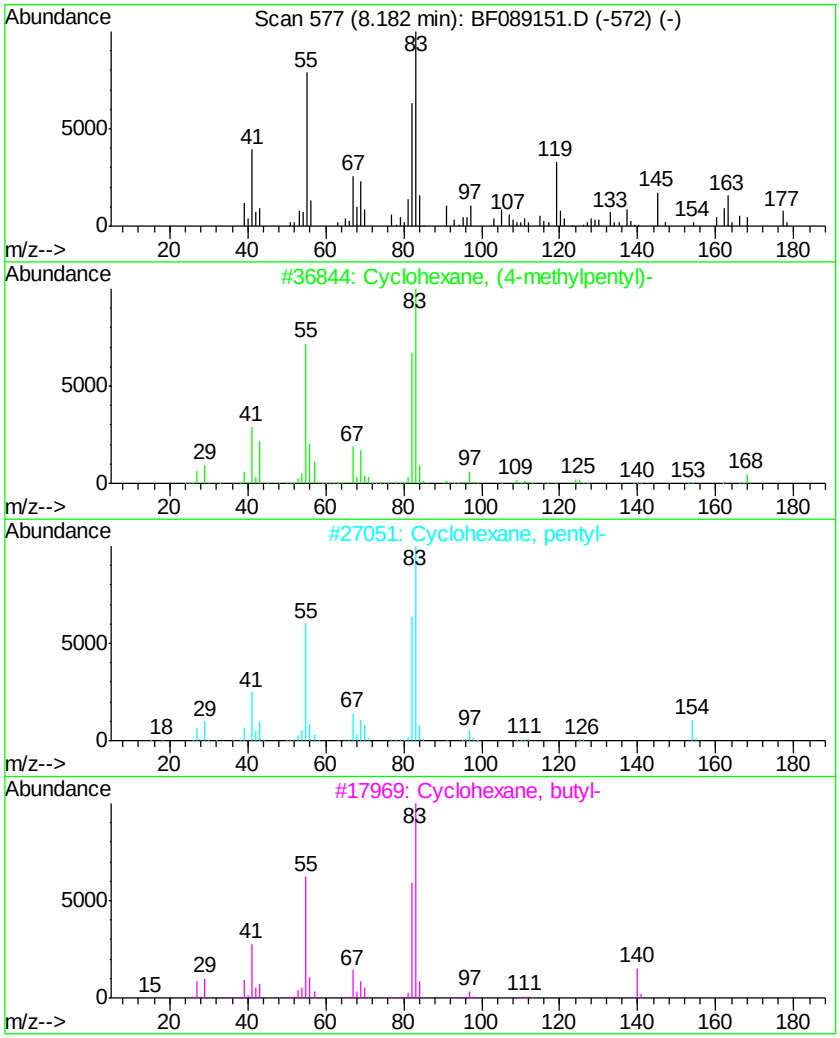
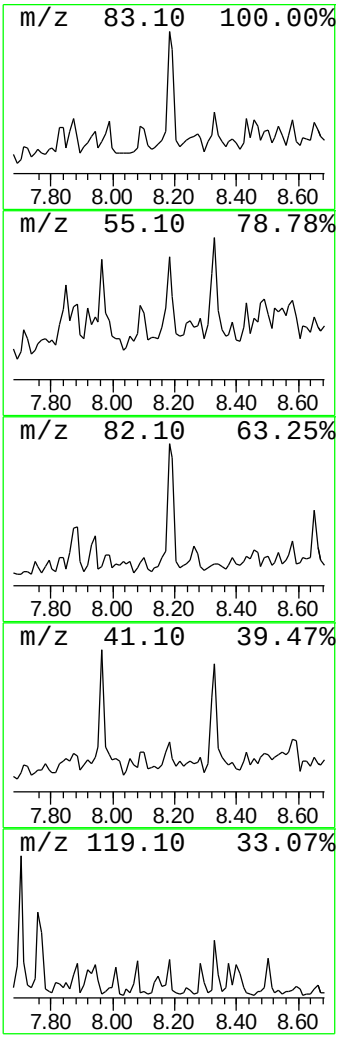
Peak Number 11 Cyclohexane, (4-methylpentyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	16.38 ng	200861	Naphthalene-d8	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	68
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	53
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
5	Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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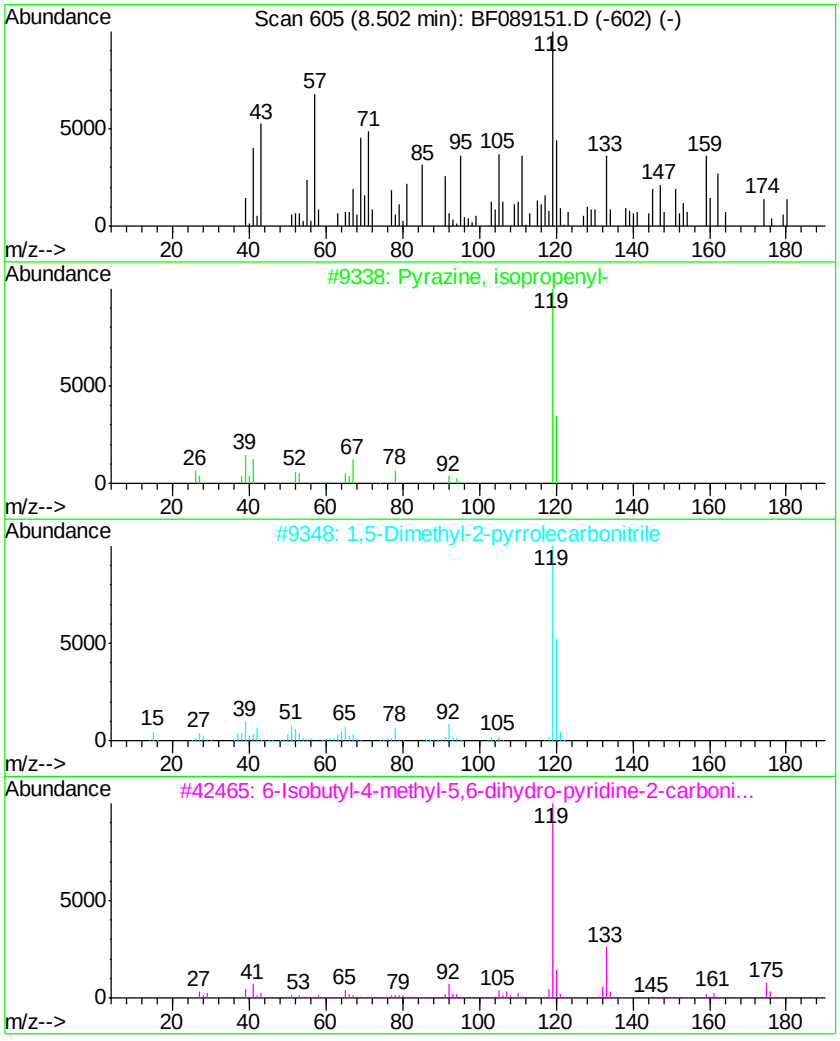
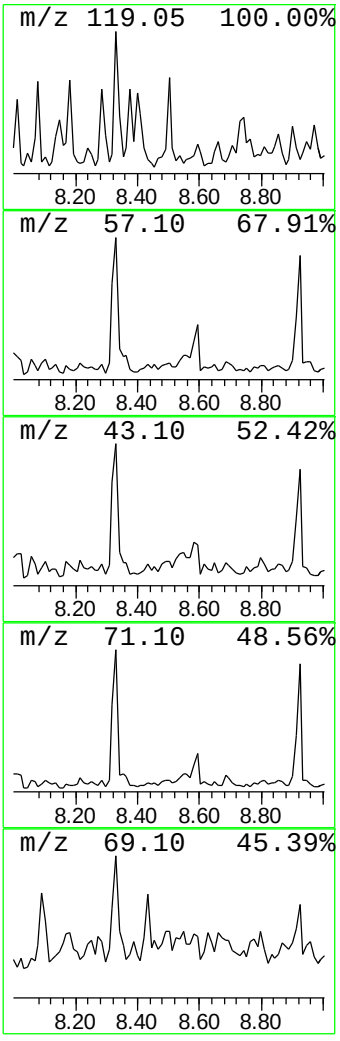
Peak Number 12 unknown8.50 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	15.72 ng	192871	Naphthalene-d8	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazine, isopropenyl-	120	C7H8N2	034413-32-6	30
2	1,5-Dimethyl-2-pyrrolecarbonitrile	120	C7H8N2	056341-36-7	27
3	6-Isobutyl-4-methyl-5,6-dihydro-...	176	C11H16N2	1000185-72-5	27
4	Ether, 3-hydroxy-2-butyl 1-(p-to...	208	C13H20O2	1000149-41-9	27
5	Pyrazine, (1-methylethenyl)-	120	C7H8N2	038713-41-6	27





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Misc :
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ClientSampleId : KSB-04-12.0-14.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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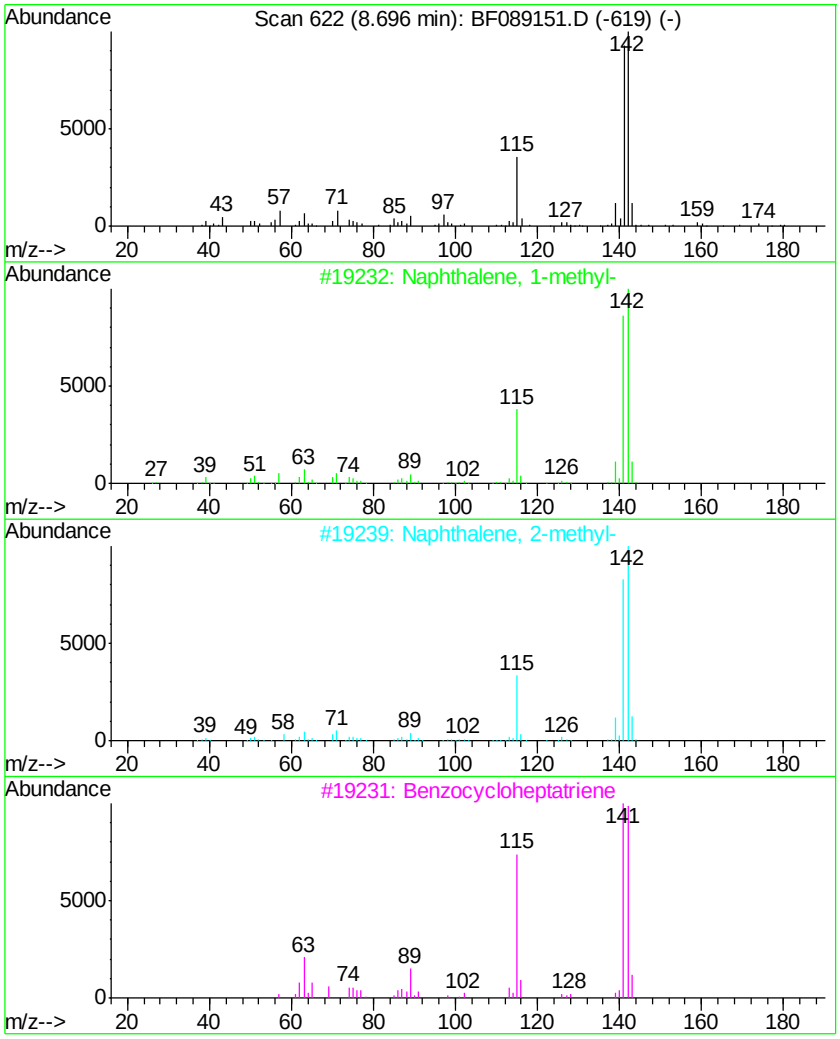
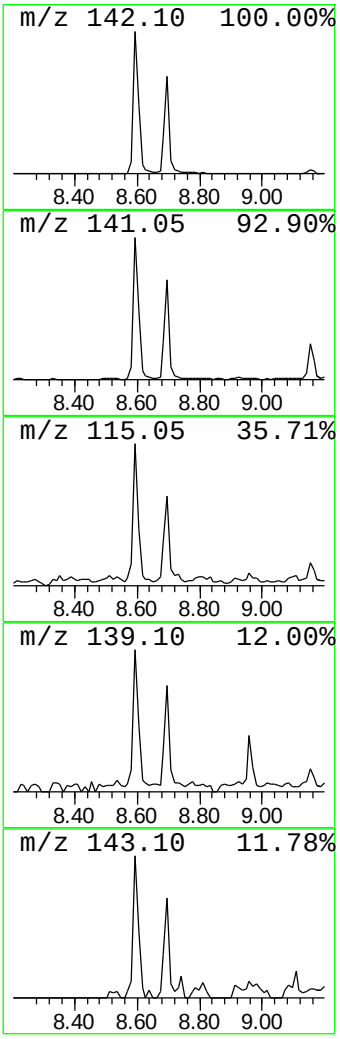
Peak Number 13 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	35.64 ng	437166	Naphthalene-d8	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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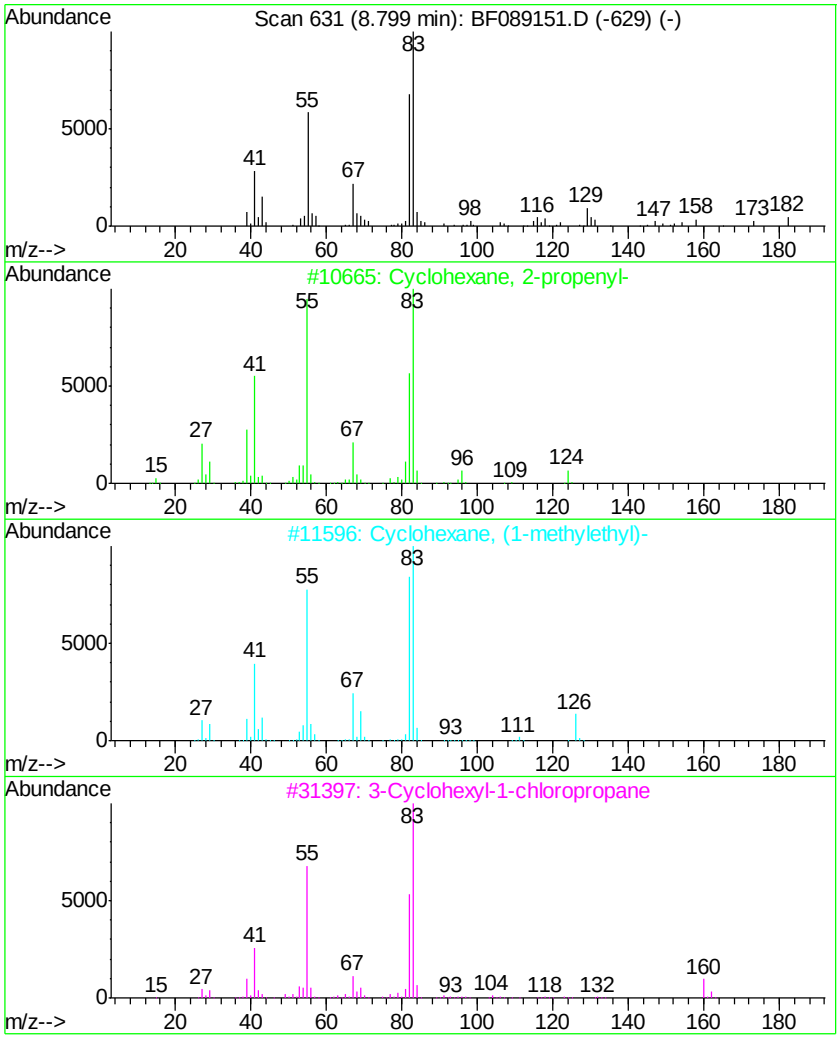
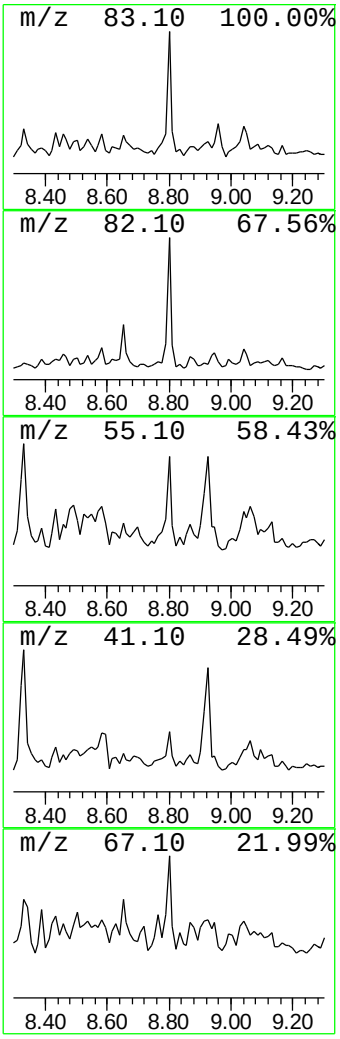
Peak Number 14 Cyclohexane, 2-propenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	13.18 ng	212116	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
3	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	59
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	50
5	4-Pentenoic acid, 2,4-dimethyl-,...	142	C8H14O2	034998-29-3	50





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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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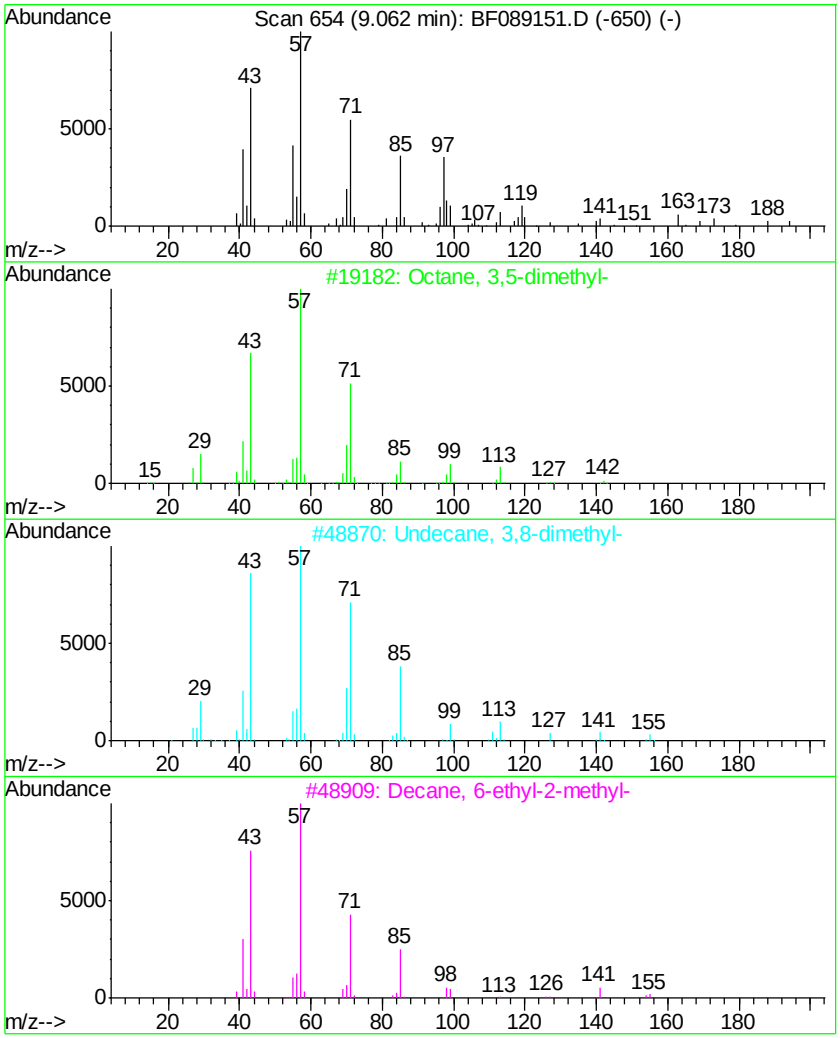
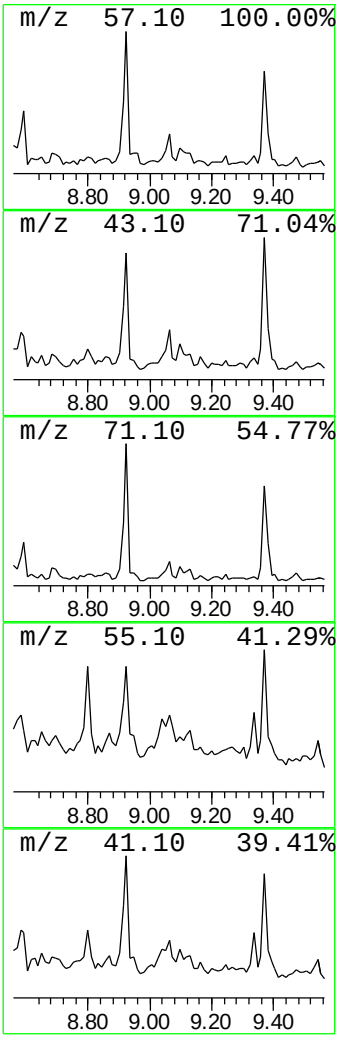
Peak Number 15 Octane, 3,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	18.38 ng	295717	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	52
2	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	50
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	50
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	49
5	Octacosane	394	C28H58	000630-02-4	47





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Instrument : BNA_F
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TIC Library : C:\Database\NIST11.L
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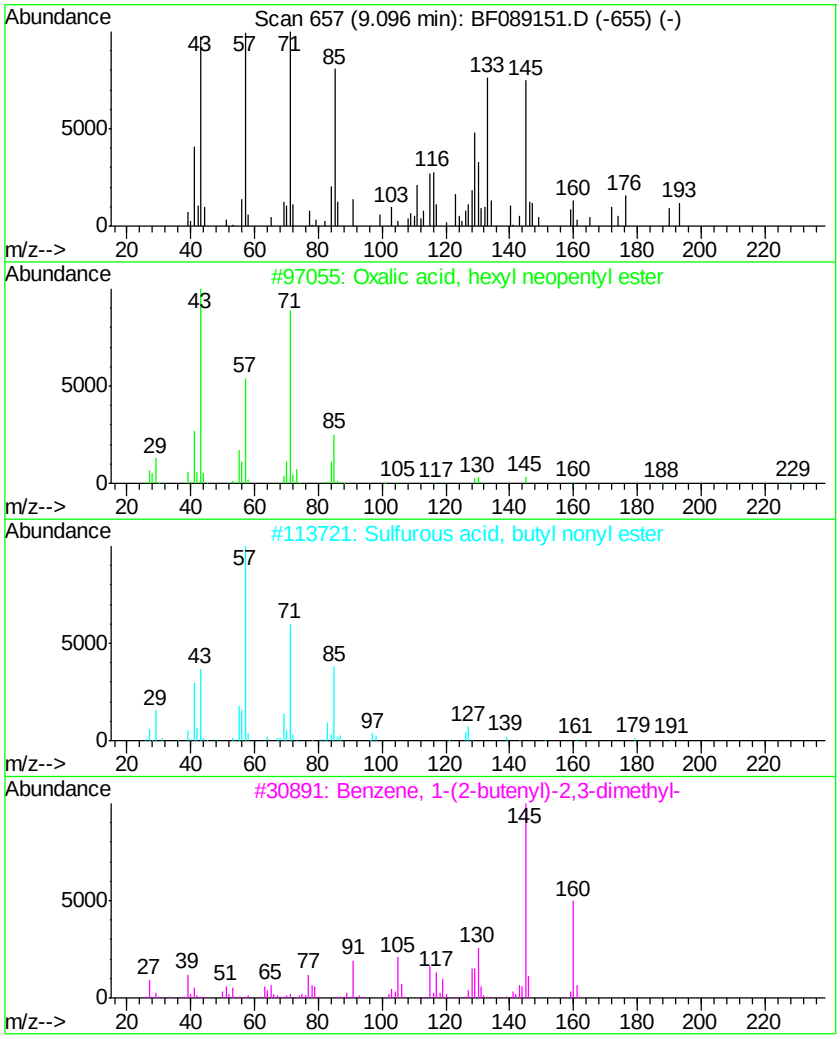
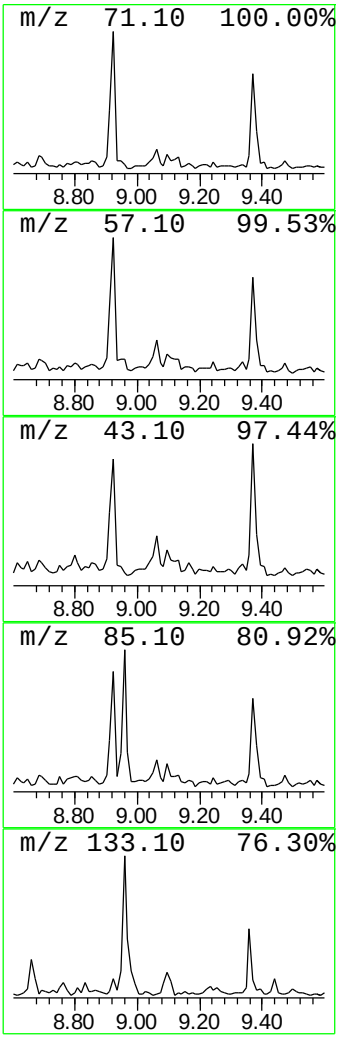
Peak Number 16 unknown9.10 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	14.10 ng	226780	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, hexyl neopentyl ester	244	C13H24O4	1000309-73-1	35
2	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	22
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	15
4	Decane, 4-ethyl-	170	C12H26	001636-44-8	14
5	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	11





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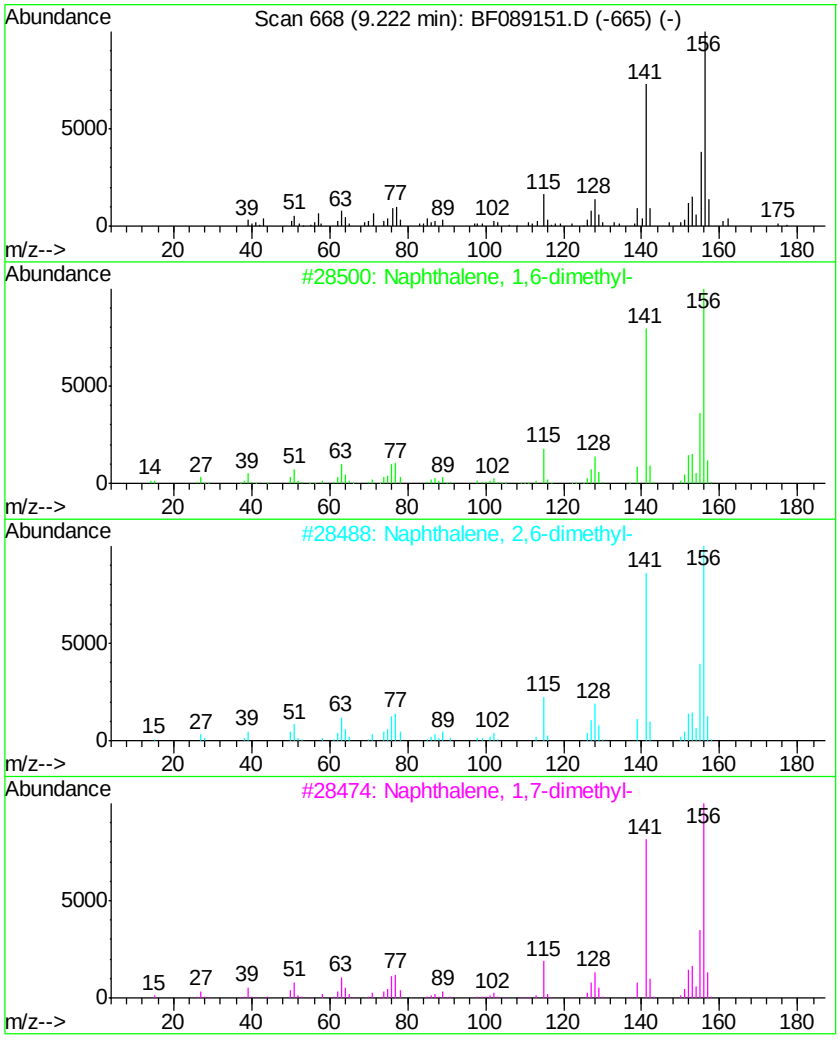
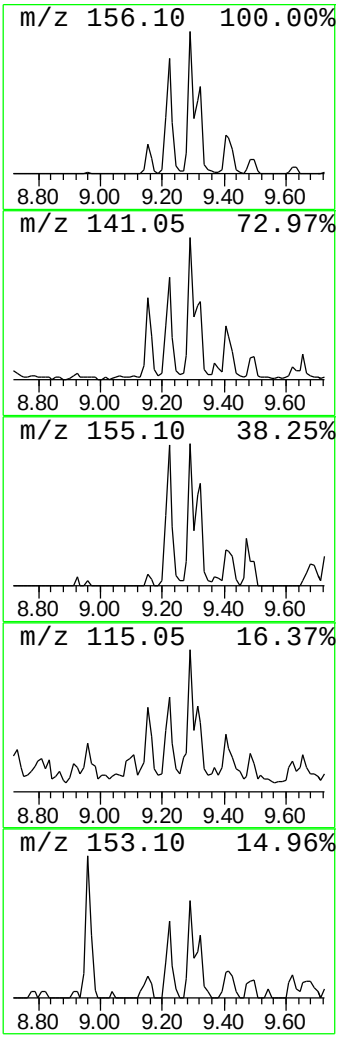
Peak Number 17 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	21.37 ng	343803	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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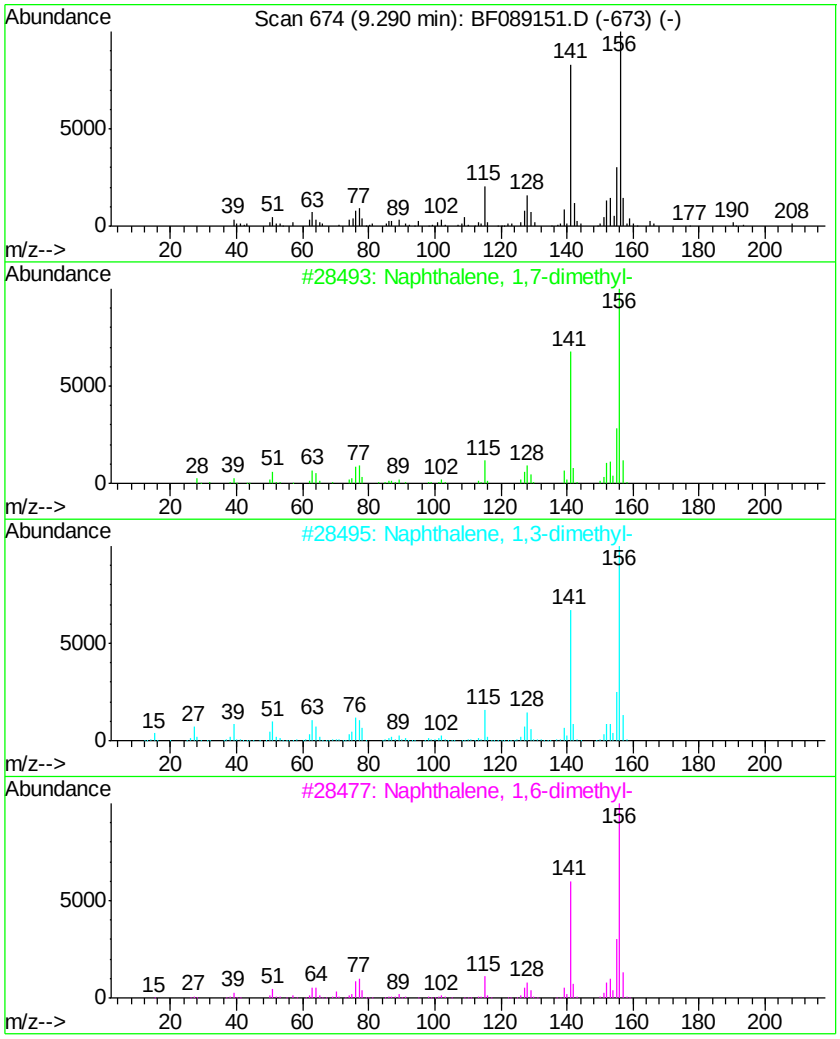
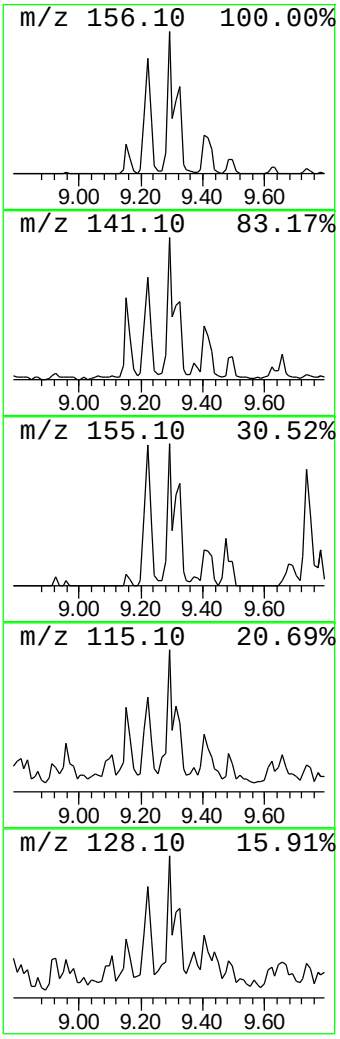
Peak Number 18 Naphthalene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	12.54 ng	201722	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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ClientSampleId : KSB-04-12.0-14.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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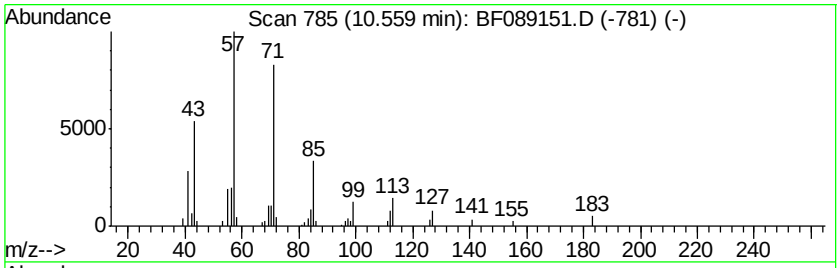
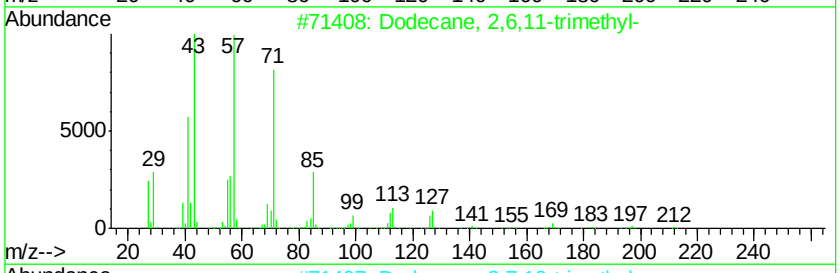
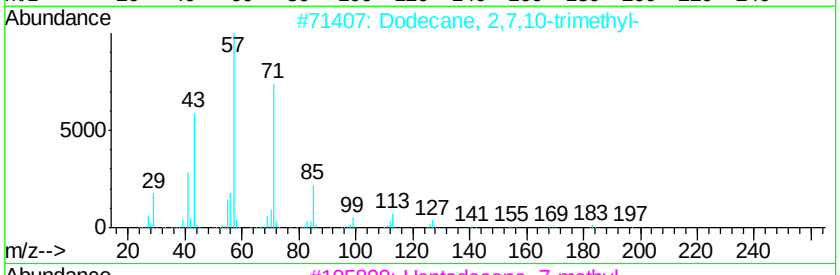
Peak Number 19 Dodecane, 2,6,11-trimethyl- Concentration Rank 20

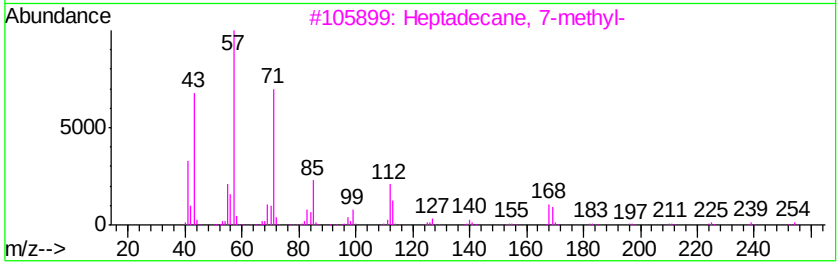
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	11.97 ng	84085	Phenanthrene-d10	11.10

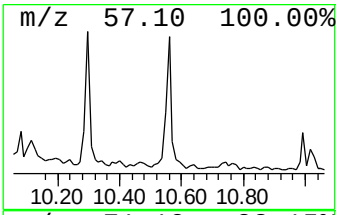
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	72
4	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72
5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	72

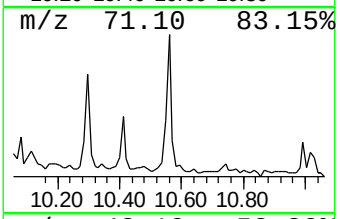


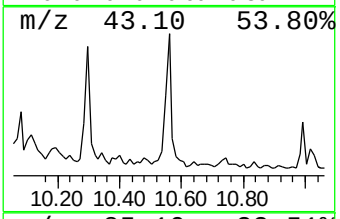


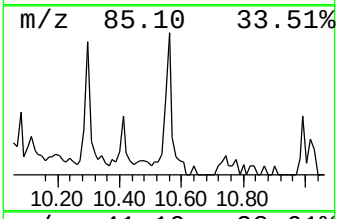


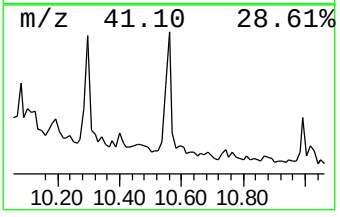












Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089151.D
Acq On : 21 Jul 2016 00:52
Operator : UM/SJ
Sample : H4112-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

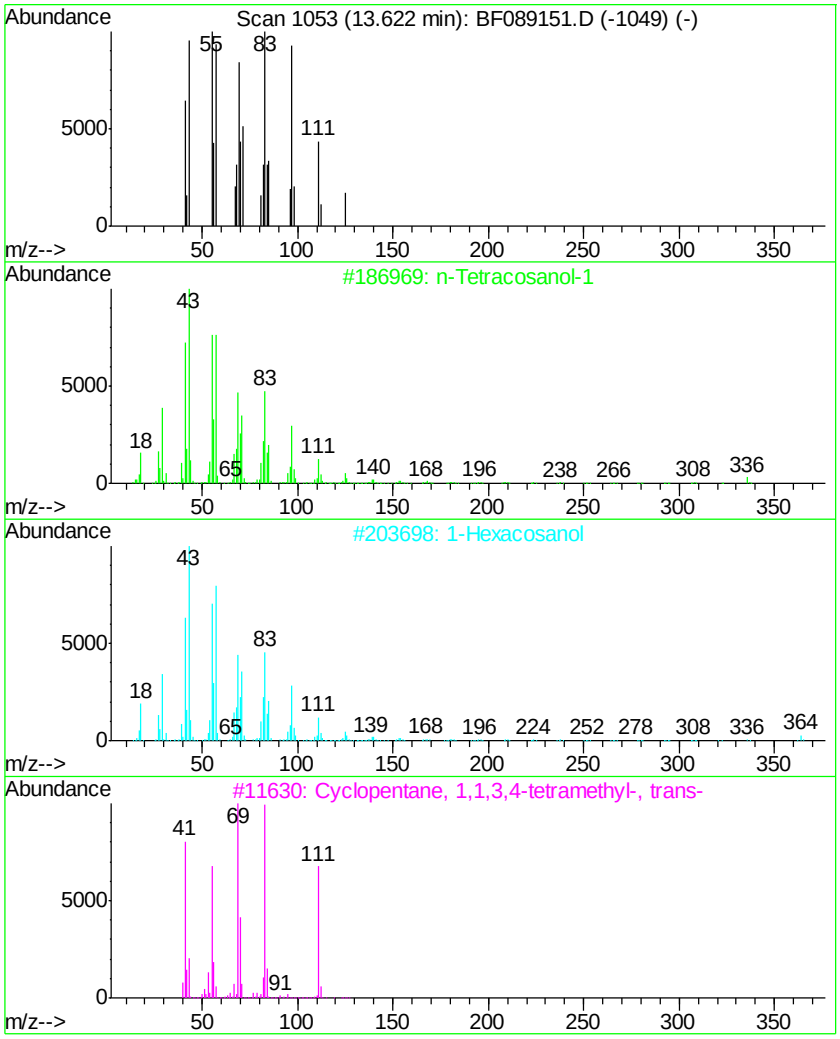
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

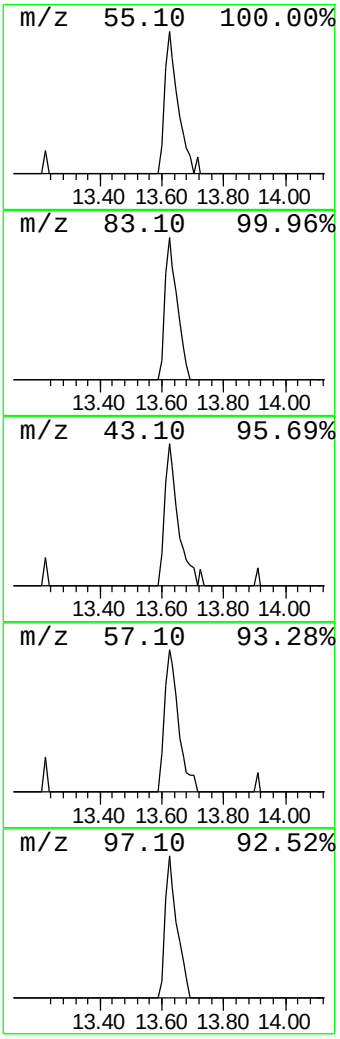
****

Peak Number 20 n-Tetracosanol-1 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	12.68 ng	78634	Chrysene-d12	13.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	80
2	1-Hexacosanol	382	C26H54O	000506-52-5	58
3	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	43
4	Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	35
5	1H-Imidazole, 4,5-dihydro-2-(1-m...	112	C6H12N2	040029-86-5	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089151.D
Acq On : 21 Jul 2016 00:52
Operator : UM/SJ
Sample : H4112-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-04-12.0-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Nonane, 4-methyl-	6.10	12.4	ng	57790	1	6.60	93408	20.0
unknown6.36	6.36	250.7	ng	1170870	1	6.60	93408	20.0
Benzene, 1,2,3-tr...	6.42	21.9	ng	102295	1	6.60	93408	20.0
1-Ethyl-2,2,6-tri...	6.87	26.5	ng	123675	1	6.60	93408	20.0
Benzene, 1,2,3,4-...	7.10	16.6	ng	77359	1	6.60	93408	20.0
Benzene, 1,2,4,5-...	7.40	17.5	ng	215188	2	7.88	245318	20.0
unknown7.52	7.52	20.8	ng	255320	2	7.88	245318	20.0
Undecane, 2,6-dim...	7.96	26.8	ng	328216	2	7.88	245318	20.0
Cyclohexane, (4-m...	8.18	16.4	ng	200861	2	7.88	245318	20.0
unknown8.50	8.50	15.7	ng	192871	2	7.88	245318	20.0
Naphthalene, 1-me...	8.70	35.6	ng	437166	2	7.88	245318	20.0
Cyclohexane, 2-pr...	8.80	13.2	ng	212116	3	9.62	321764	20.0
Octane, 3,5-dimet...	9.06	18.4	ng	295717	3	9.62	321764	20.0
unknown9.10	9.10	14.1	ng	226780	3	9.62	321764	20.0
Naphthalene, 1,6-...	9.22	21.4	ng	343803	3	9.62	321764	20.0
Naphthalene, 1,7-...	9.29	12.5	ng	201722	3	9.62	321764	20.0
Dodecane, 2,6,11-...	10.56	12.0	ng	84085	4	11.10	140455	20.0
n-Tetracosanol-1	13.62	12.7	ng	78634	5	13.71	124067	20.0