

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
 Data File : BF083923.D
 Acq On : 18 Dec 2015 19:59
 Operator : UM/SJ
 Sample : G4819-01 20X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9875

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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	6.361	372	374	376	rVV	198041	282197	3.07%	0.337%
2	6.396	376	377	381	rVB2	134826	208115	2.27%	0.249%
3	6.464	381	383	384	rBV	191204	190512	2.07%	0.228%
4	6.487	384	385	389	rVV4	71019	144934	1.58%	0.173%
5	6.556	389	391	393	rVV2	125533	167184	1.82%	0.200%
6	6.613	393	396	397	rVV	106020	175953	1.92%	0.210%
7	6.647	397	399	401	rVV3	135108	258581	2.81%	0.309%
8	6.716	401	405	407	rVV2	1027075	1653917	18.00%	1.977%
9	6.819	407	414	415	rVV3	174958	414973	4.52%	0.496%
10	6.864	415	418	419	rVV	669280	863415	9.40%	1.032%
11	6.899	419	421	422	rVV	669198	928235	10.10%	1.110%
12	6.933	422	424	426	rVV3	365786	685258	7.46%	0.819%
13	6.967	426	427	428	rVV	250808	262510	2.86%	0.314%
14	7.024	428	432	434	rVV2	788752	1914821	20.84%	2.289%
15	7.059	434	435	436	rVV	295572	238495	2.60%	0.285%
16	7.104	436	439	440	rVV2	311609	654555	7.12%	0.782%
17	7.162	440	444	445	rVV	1206319	2584689	28.13%	3.089%
18	7.184	445	446	448	rVV2	955038	1362746	14.83%	1.629%
19	7.219	448	449	451	rVV	1446502	2162105	23.53%	2.584%
20	7.264	451	453	455	rVV	1573965	2623575	28.56%	3.136%
21	7.322	455	458	460	rVV3	881851	2095555	22.81%	2.505%
22	7.413	463	466	469	rVV4	1173310	3693787	40.21%	4.415%
23	7.493	469	473	475	rVV	4291666	9187329	100.00%	10.981%
24	7.527	475	476	478	rVV	1217442	1937788	21.09%	2.316%
25	7.596	478	482	484	rVV2	1581656	4353274	47.38%	5.203%
26	7.642	484	486	487	rVV	1270307	2276207	24.78%	2.721%
27	7.687	487	490	492	rVV3	1776332	4128884	44.94%	4.935%
28	7.722	492	493	494	rVV	998572	1081877	11.78%	1.293%
29	7.779	494	498	502	rVV5	1401639	5665785	61.67%	6.772%
30	7.847	502	504	506	rVV	1948426	3953874	43.04%	4.726%
31	7.916	508	510	512	rVV	2052226	3673328	39.98%	4.391%
32	7.962	512	514	515	rVV2	1977376	2607192	28.38%	3.116%
33	7.984	515	516	518	rVV2	898859	1465903	15.96%	1.752%
34	8.030	518	520	522	rVV3	565813	1377563	14.99%	1.647%

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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-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.065	522	523	524	rVV	650559	796722	8.67%	0.952%
36	8.099	524	526	527	rVV2	749766	1317135	14.34%	1.574%
37	8.156	528	531	533	rVV	4129538	6115639	66.57%	7.310%
38	8.225	533	537	538	rVV2	1384567	2479554	26.99%	2.964%
39	8.259	538	540	543	rVV2	588606	1433777	15.61%	1.714%
40	8.316	543	545	547	rVV2	315128	614161	6.68%	0.734%
41	8.362	547	549	551	rVV3	276850	630823	6.87%	0.754%
42	8.453	553	557	560	rVV3	557823	1158237	12.61%	1.384%
43	8.499	560	561	563	rVV2	246048	287505	3.13%	0.344%
44	8.533	563	564	566	rVB	328279	329557	3.59%	0.394%
45	8.579	566	568	570	rBV	369685	331739	3.61%	0.397%
46	8.750	581	583	585	rVB	451321	381109	4.15%	0.456%
47	9.905	681	684	686	rBV	650442	623482	6.79%	0.745%
48	11.391	811	814	816	rBV	499022	638624	6.95%	0.763%
49	14.019	1042	1044	1047	rBV	659207	685393	7.46%	0.819%
50	15.460	1167	1170	1175	rBV	433489	563380	6.13%	0.673%

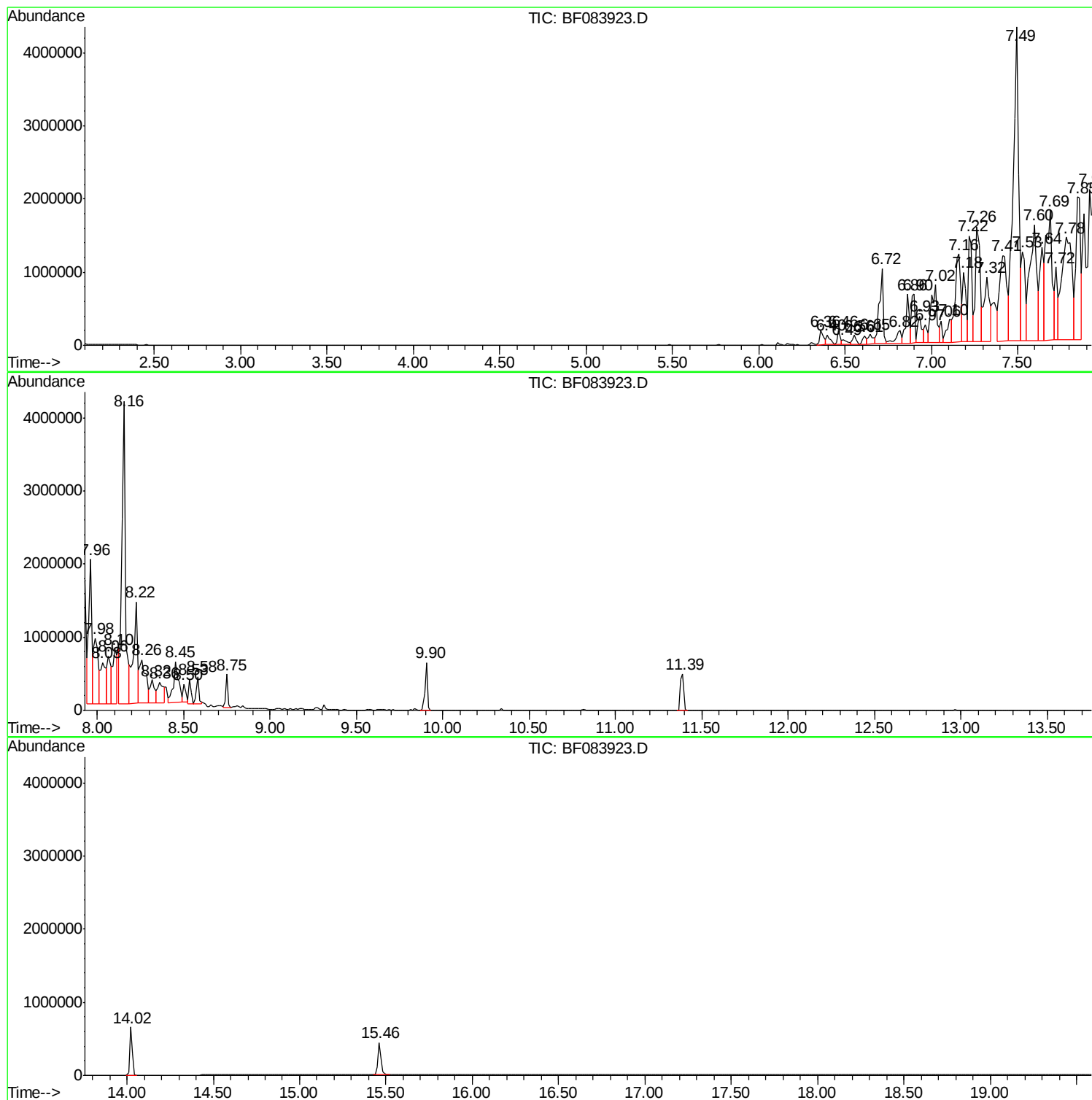
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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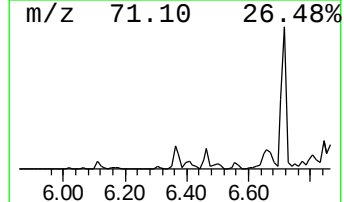
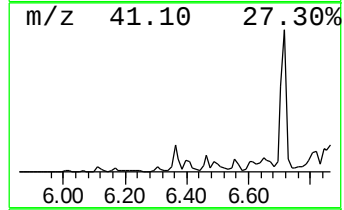
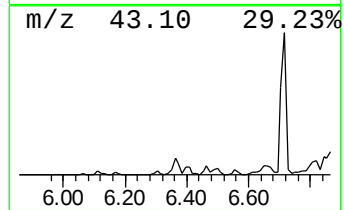
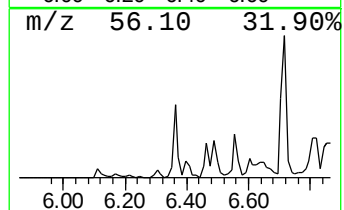
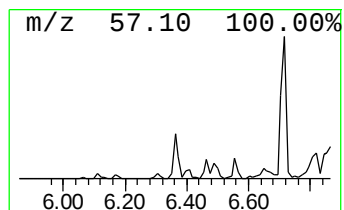
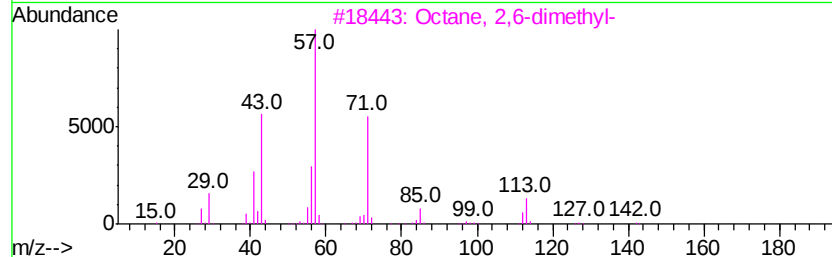
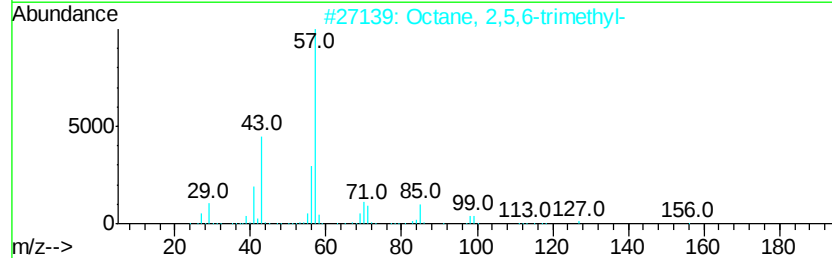
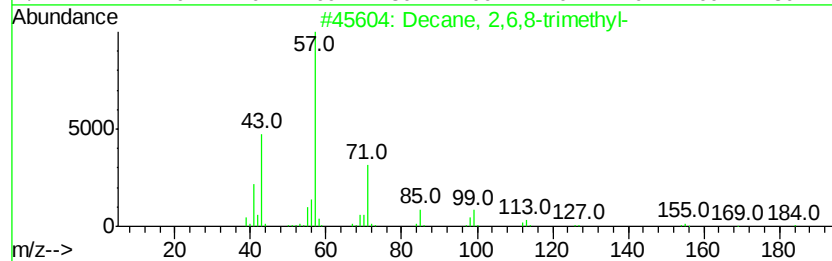
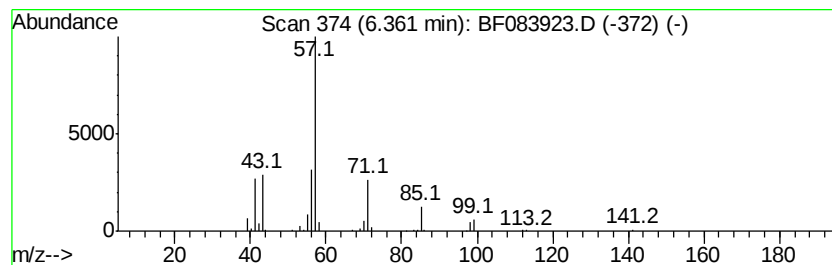
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Decane, 2,6,8-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	6.54 ng	282197	1,4-Dichlorobenzene-d4	6.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	72
2			Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	64
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
4			Dodecane, 6-methyl-	184	C13H28	006044-71-9	59
5			Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	53



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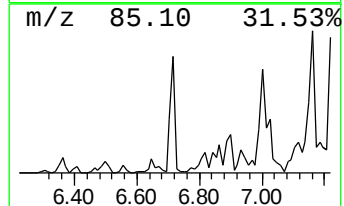
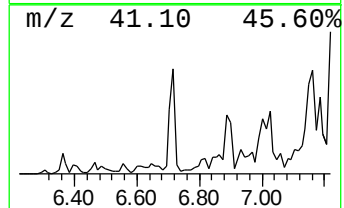
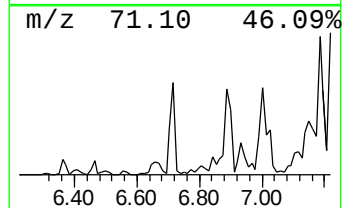
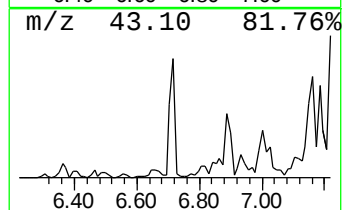
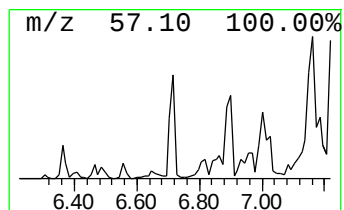
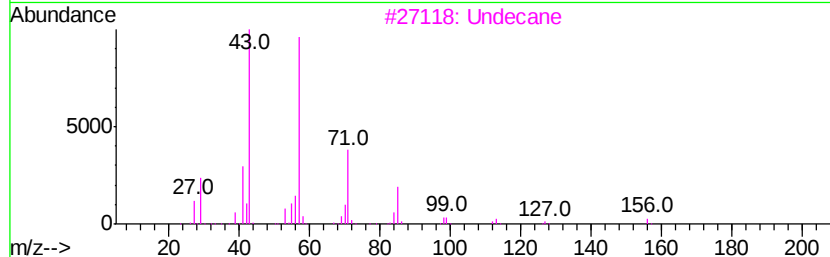
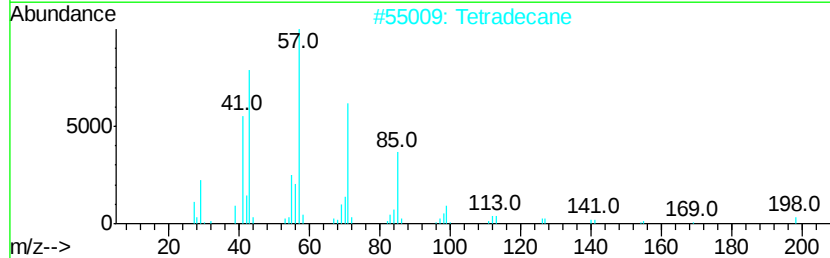
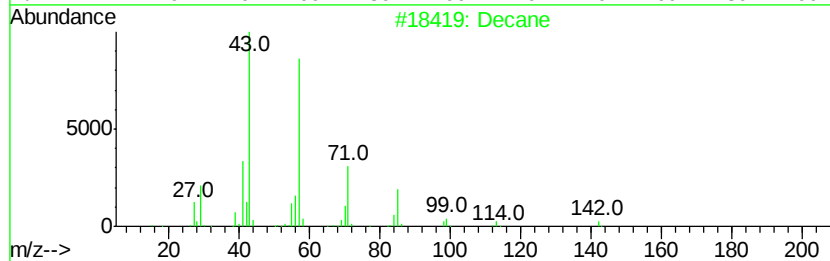
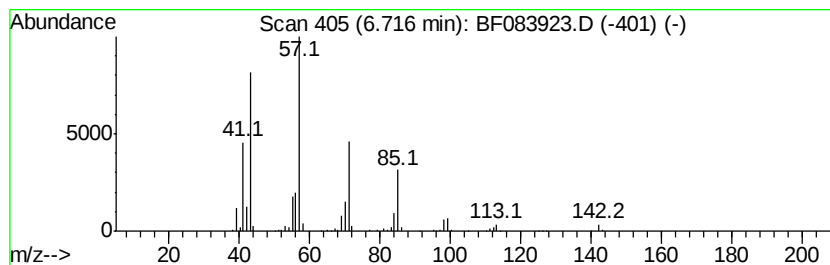
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Decane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	38.31 ng	1653920	1,4-Dichlorobenzene-d4	6.86

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane		142	C10H22	000124-18-5	94
2	Tetradecane		198	C14H30	000629-59-4	90
3	Undecane		156	C11H24	001120-21-4	83
4	1-Iodo-2-methylundecane		296	C12H25I	073105-67-6	78
5	Decane, 2,3,5-trimethyl-		184	C13H28	062238-11-3	64



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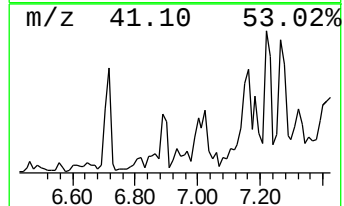
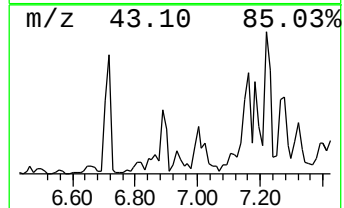
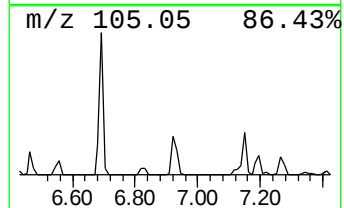
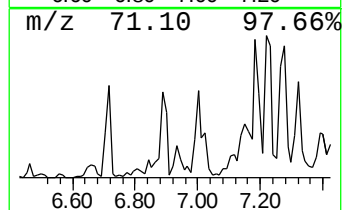
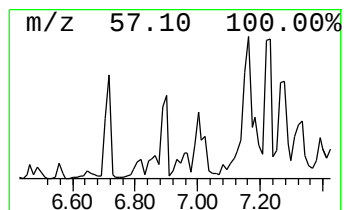
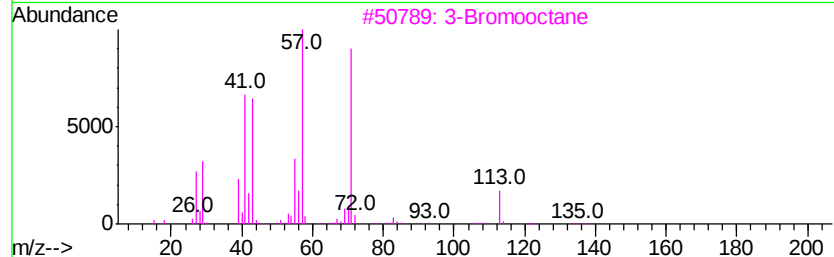
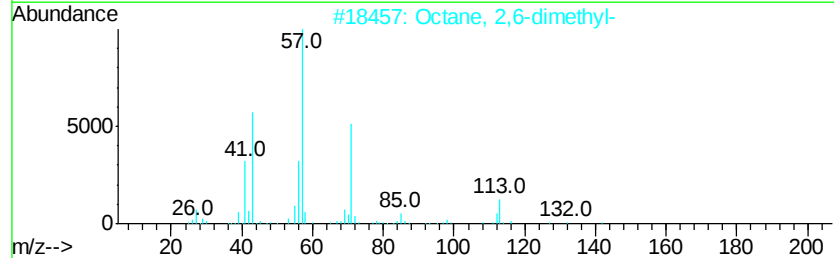
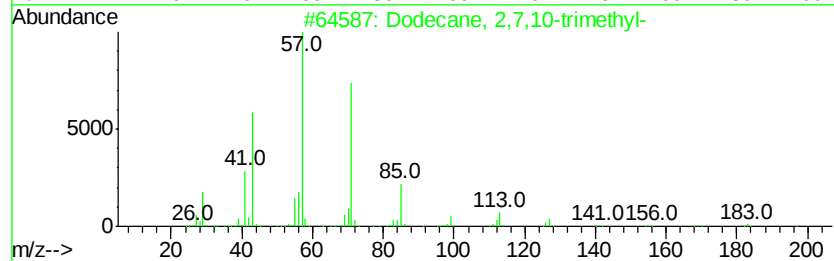
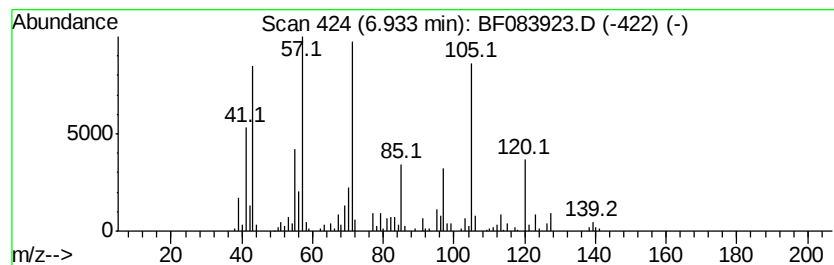
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.93 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	15.87 ng	685258	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	47
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46
3		3-Bromooctane	192	C8H17Br	000999-64-4	43
4		Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	38
5		Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	38



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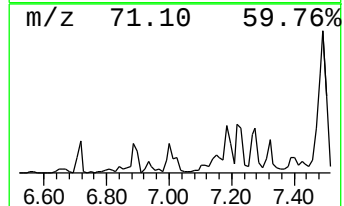
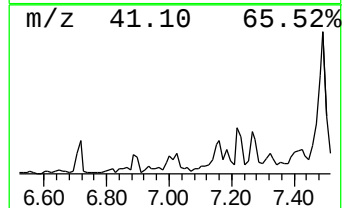
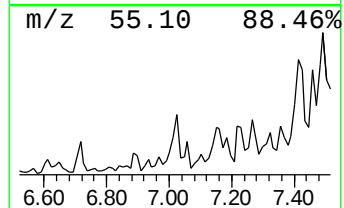
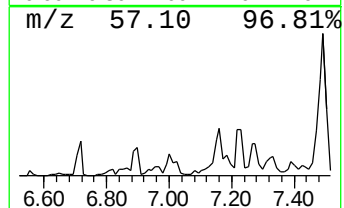
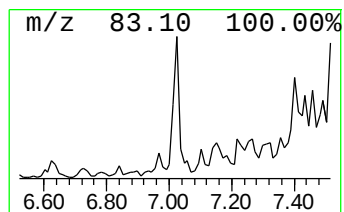
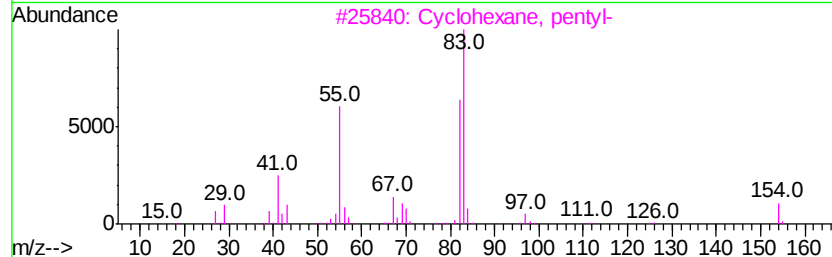
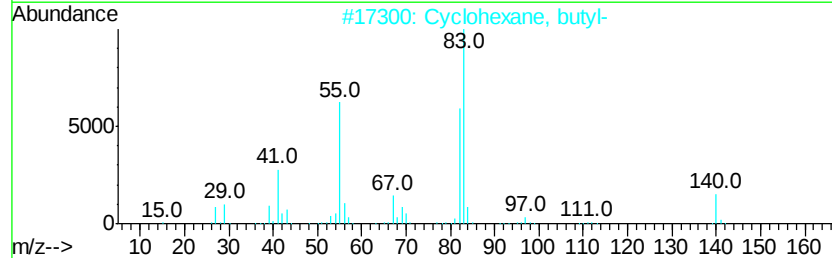
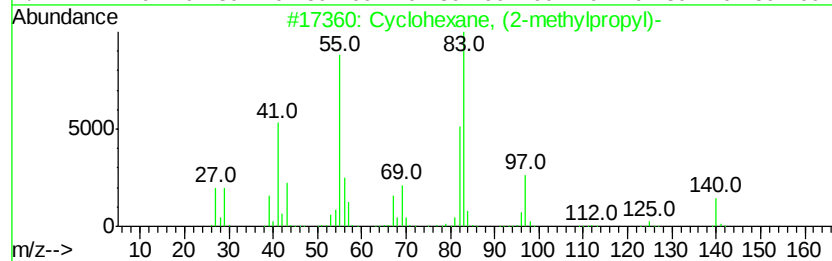
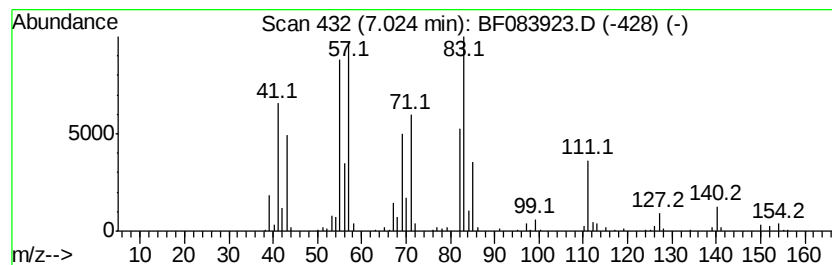
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown7.02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	44.35 ng	1914820	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	49
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	49
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	45
4		Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	38
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	38



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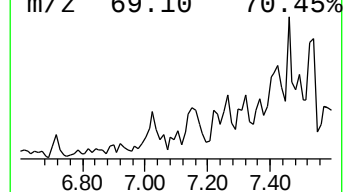
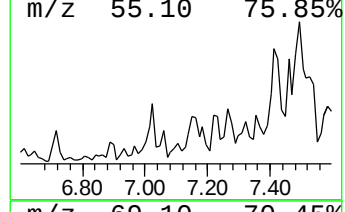
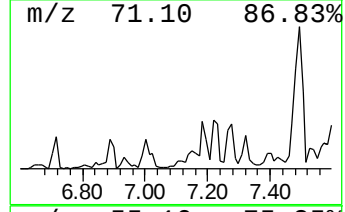
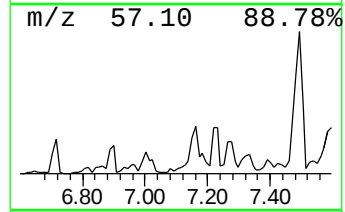
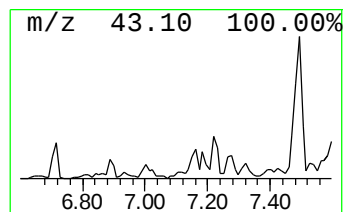
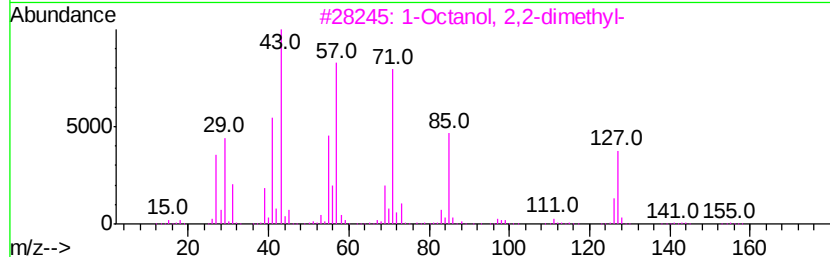
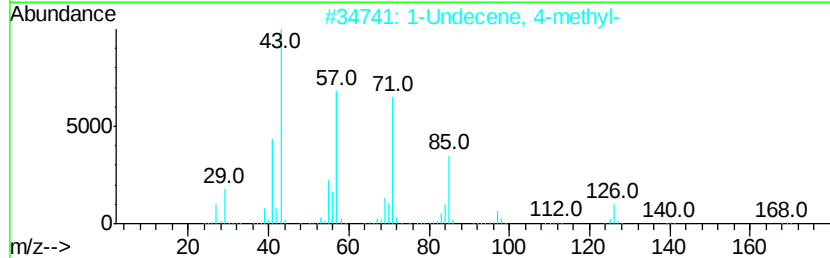
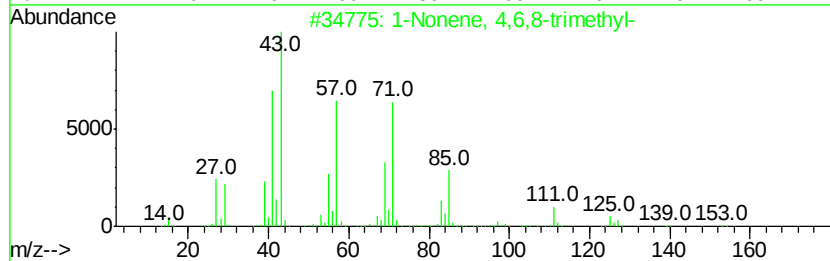
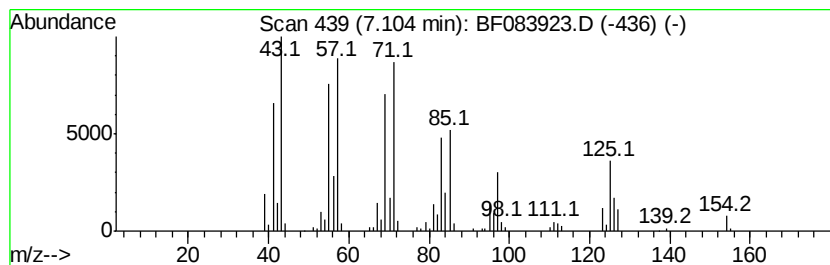
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1-Nonene, 4,6,8-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	15.16 ng	654555	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	50
2		1-Undecene, 4-methyl-	168	C12H24	074630-39-0	43
3		1-Octanol, 2,2-dimethyl-	158	C10H22O	002370-14-1	38
4		3-t-Pentylcyclopentanone	154	C10H18O	1000114-66-3	38
5		4,4-Dimethyl-1-hexene	112	C8H16	001647-08-1	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083923.D
Acq On : 18 Dec 2015 19:59
Operator : UM/SJ
Sample : G4819-01 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LAR-9875

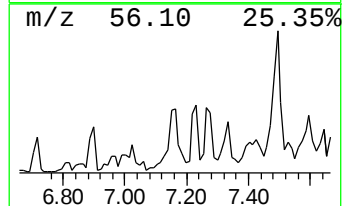
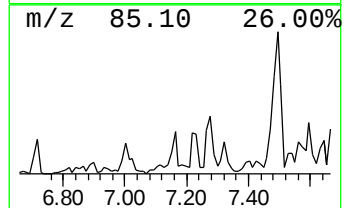
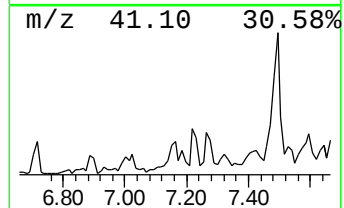
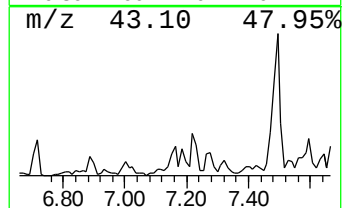
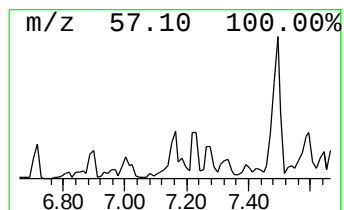
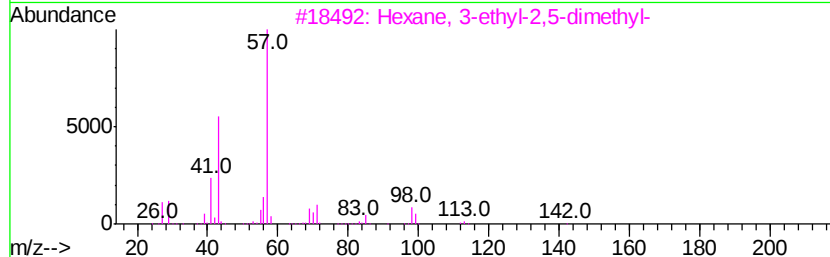
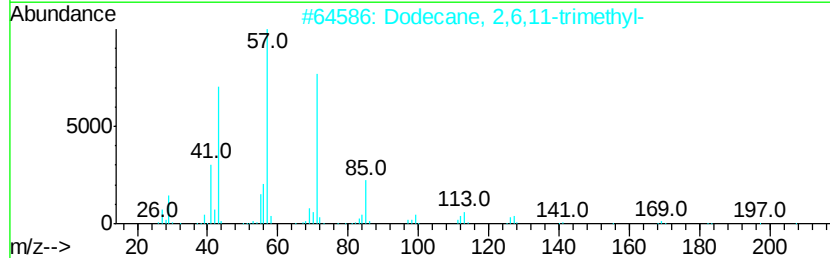
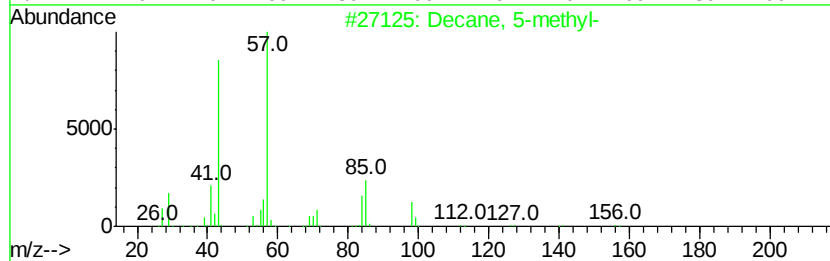
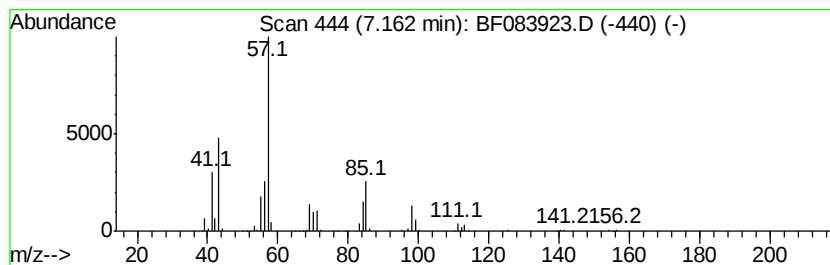
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Decane, 5-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	59.87 ng	2584690	1,4-Dichlorobenzene-d4	6.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 5-methyl-	156	C11H24	013151-35-4	72
2			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	53
3			Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	50
4			Hexane, 3-ethyl-3-methyl-	128	C9H20	003074-76-8	50
5			Decane	142	C10H22	000124-18-5	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
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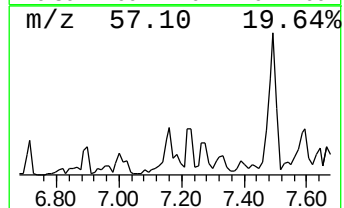
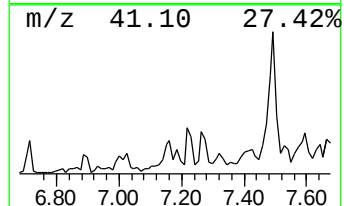
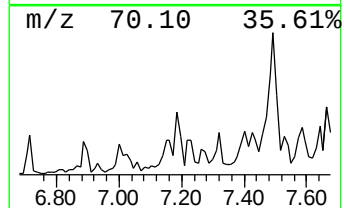
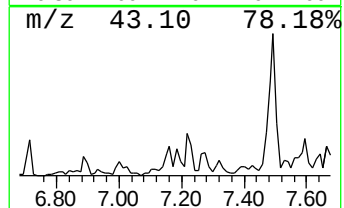
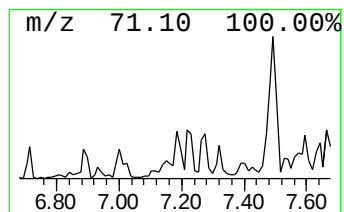
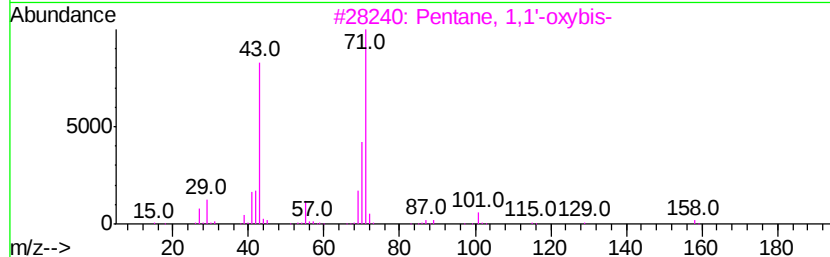
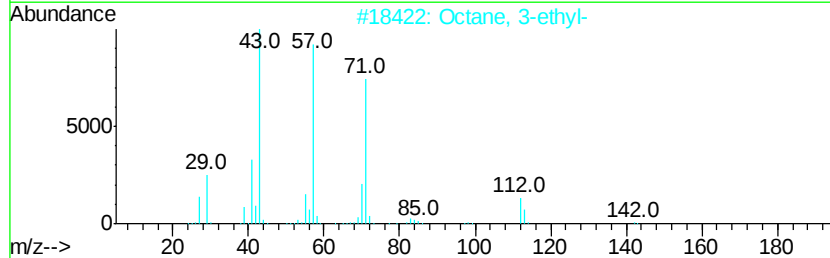
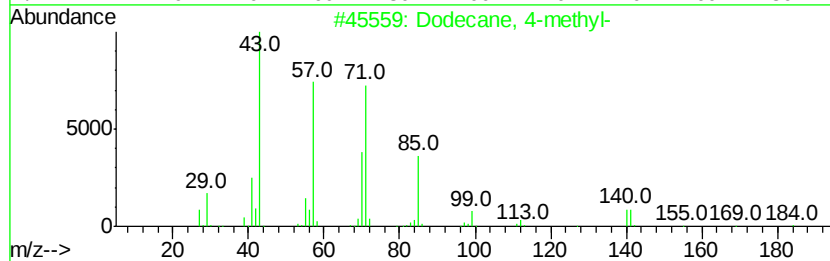
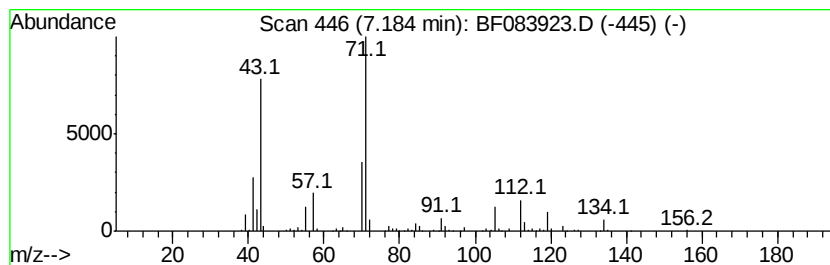
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Dodecane, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	31.57 ng	1362750	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	59
2		Octane, 3-ethyl-	142	C10H22	005881-17-4	53
3		Pentane, 1,1'-oxybis-	158	C10H22O	000693-65-2	53
4		Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	52
5		Pentane, 3-bromo-	150	C5H11Br	001809-10-5	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
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ClientSampleId :
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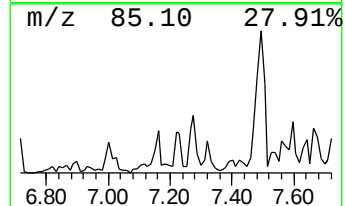
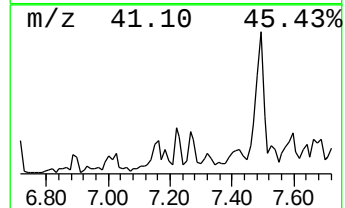
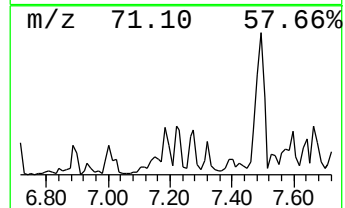
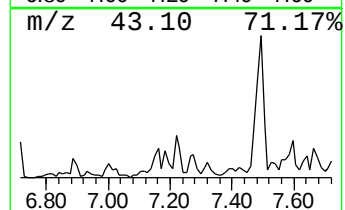
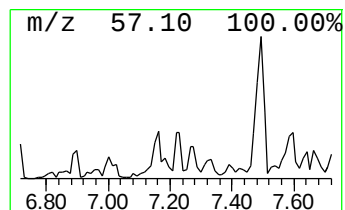
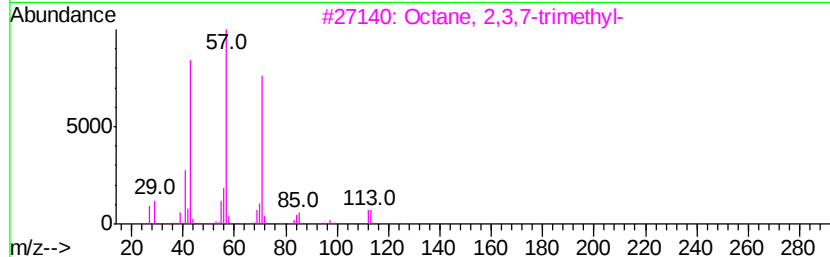
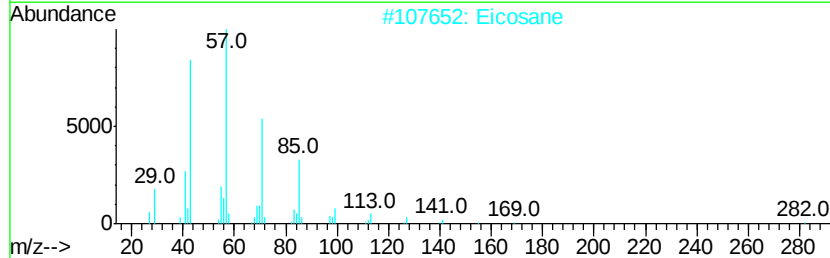
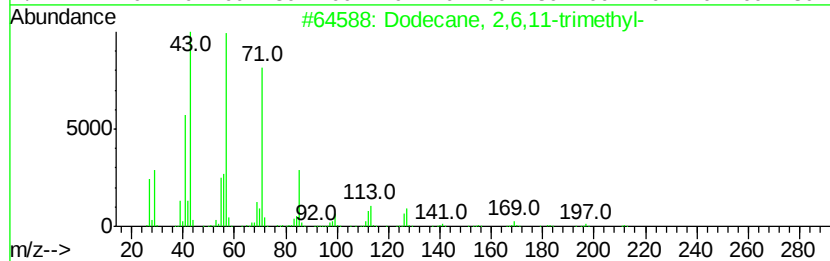
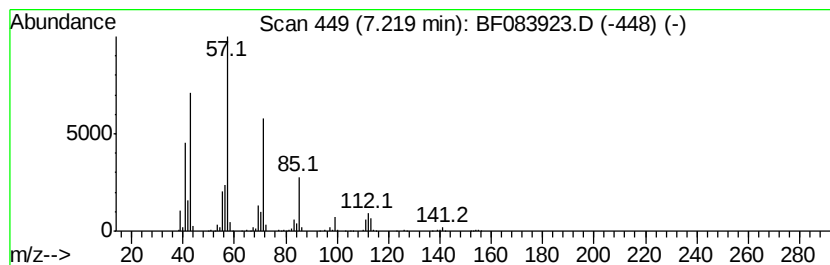
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dodecane, 2,6,11-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	50.08 ng	2162110	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
2		Eicosane	282	C20H42	000112-95-8	72
3		Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
5		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
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Acq On : 18 Dec 2015 19:59
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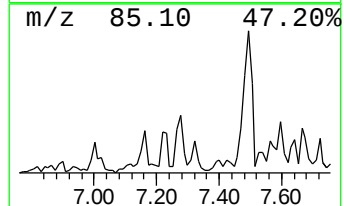
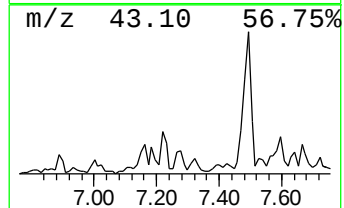
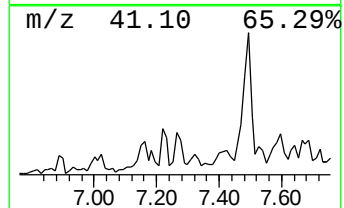
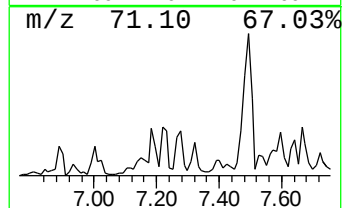
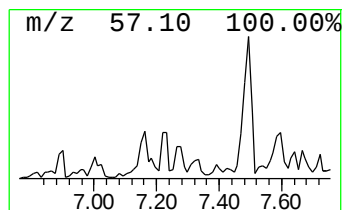
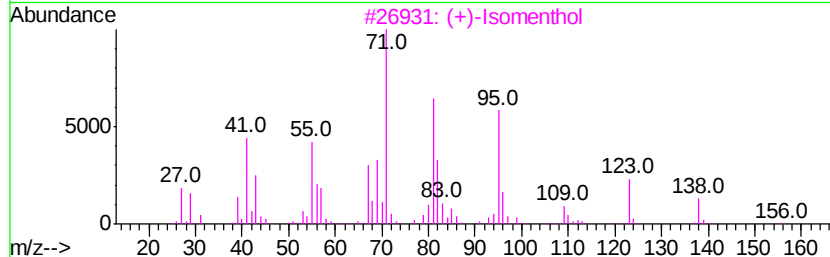
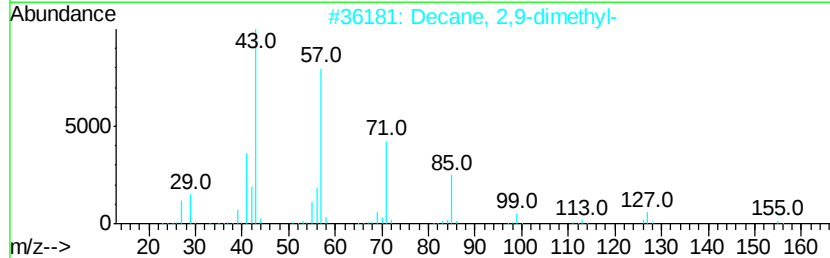
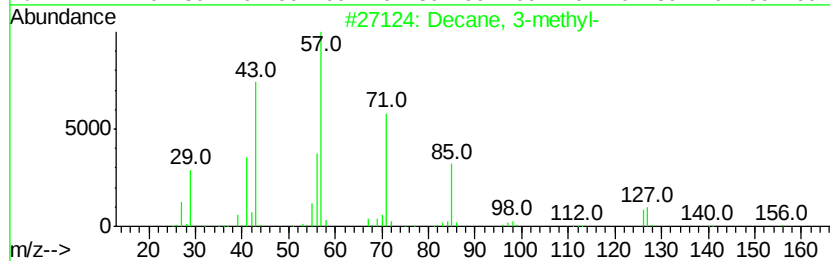
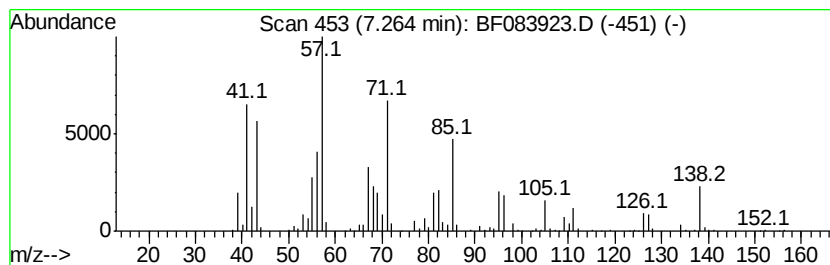
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown7.26 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	60.77 ng	2623580	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	41
2		Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	35
3		(+)-Isomenthol	156	C10H20O	1000152-08-3	35
4		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	30
5		Undecane, 2-methyl-	170	C12H26	007045-71-8	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083923.D
Acq On : 18 Dec 2015 19:59
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Misc :
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Instrument :
BNA_F
ClientSampled :
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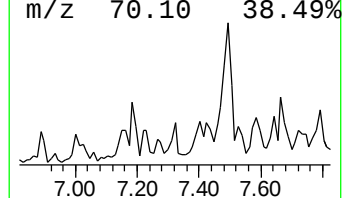
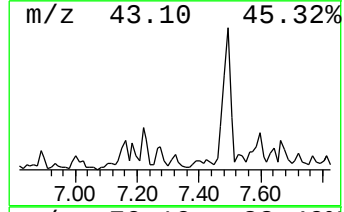
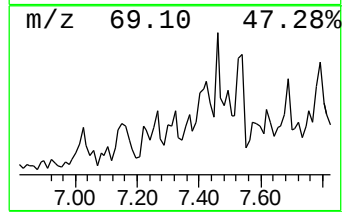
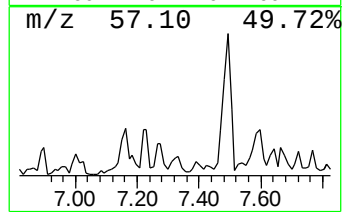
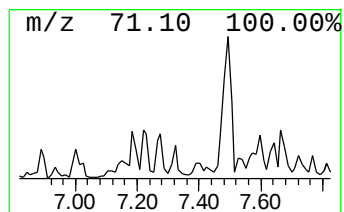
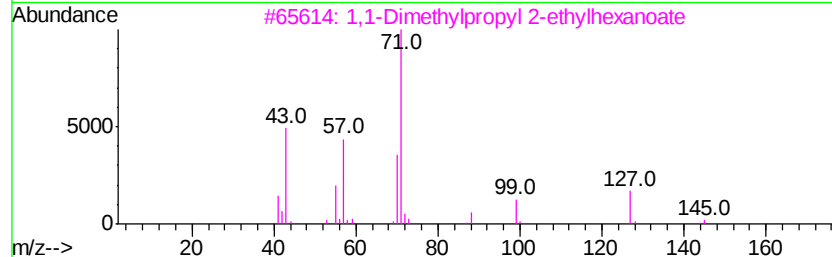
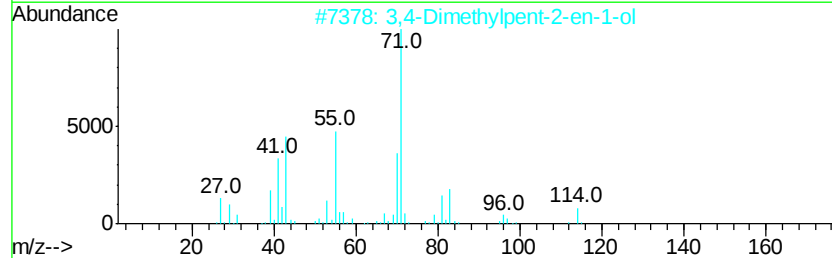
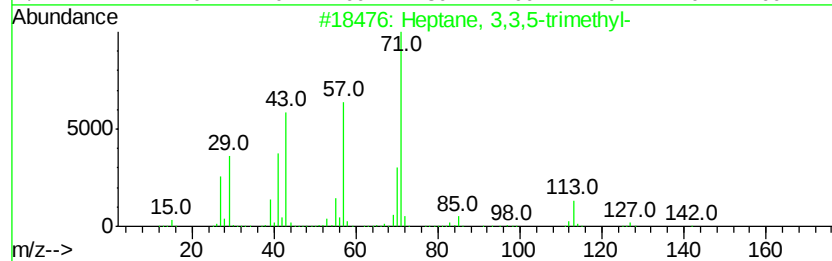
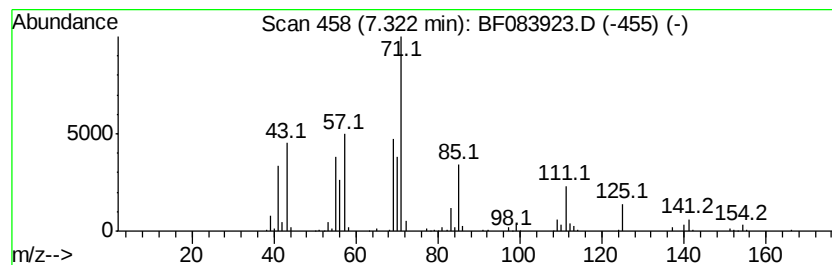
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown7.32 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	48.54 ng	2095560	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	47
2		3,4-Dimethylpent-2-en-1-ol	114	C7H14O	1000195-06-9	43
3		1,1-Dimethylpropyl 2-ethylhexanoate	214	C13H26O2	1000099-99-2	43
4		Undecane, 3,3-dimethyl-	184	C13H28	017312-65-1	42
5		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
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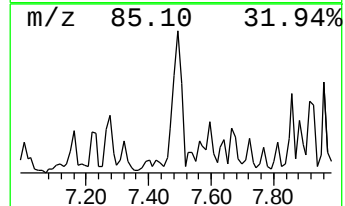
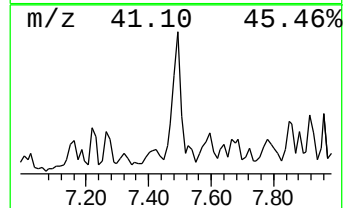
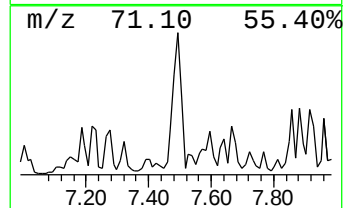
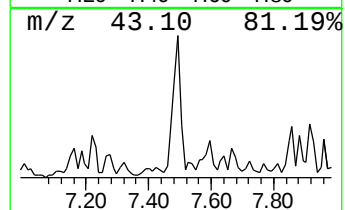
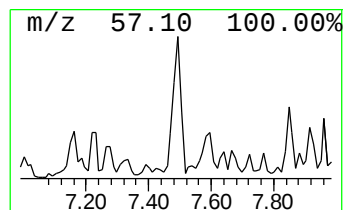
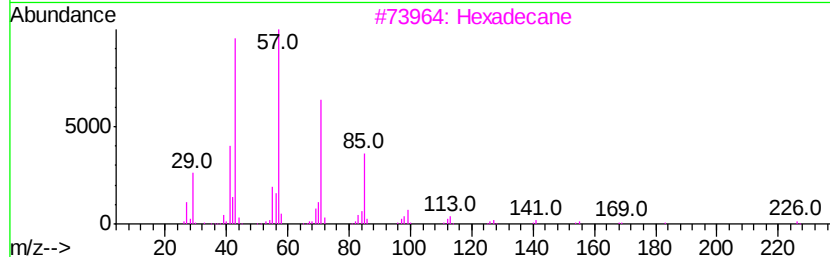
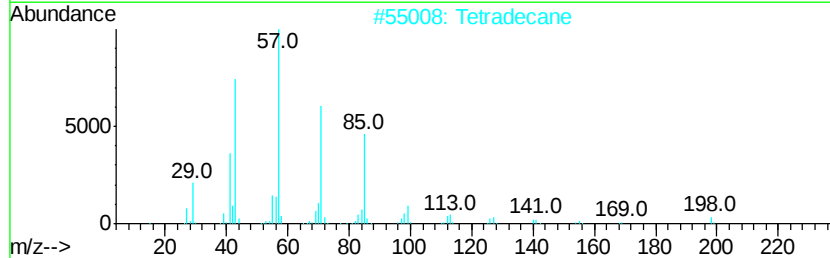
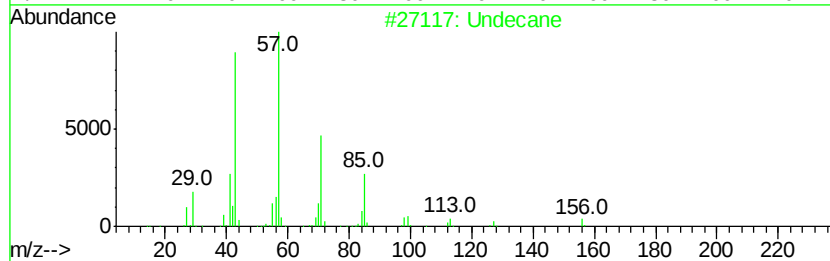
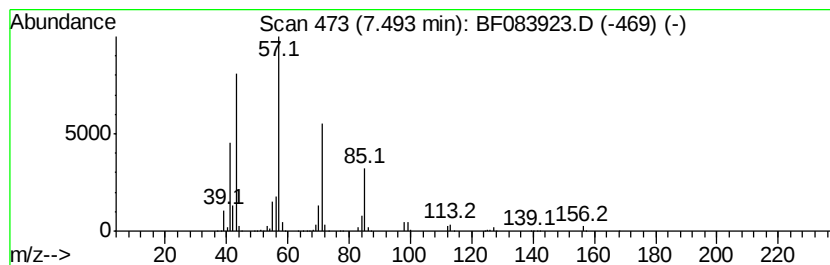
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	212.81 ng	9187330	1,4-Dichlorobenzene-d4	6.86

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	91
2	Tetradecane		198	C14H30	000629-59-4	90
3	Hexadecane		226	C16H34	000544-76-3	90
4	Tridecane		184	C13H28	000629-50-5	86
5	Undecane, 2,3-dimethyl-		184	C13H28	017312-77-5	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
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Acq On : 18 Dec 2015 19:59
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ALS Vial : 14 Sample Multiplier: 1

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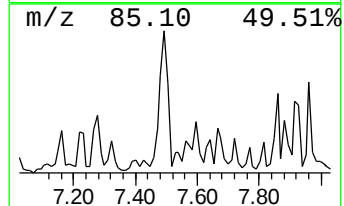
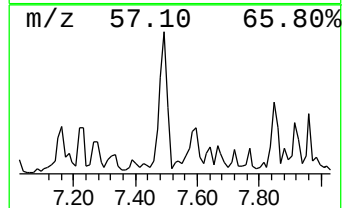
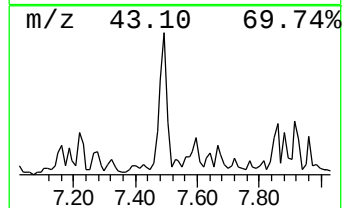
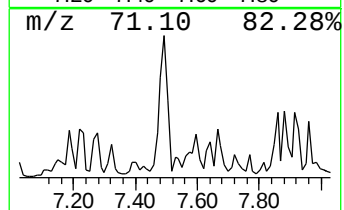
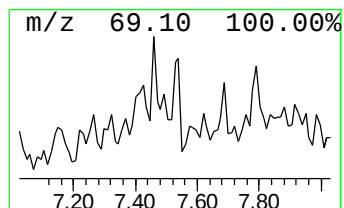
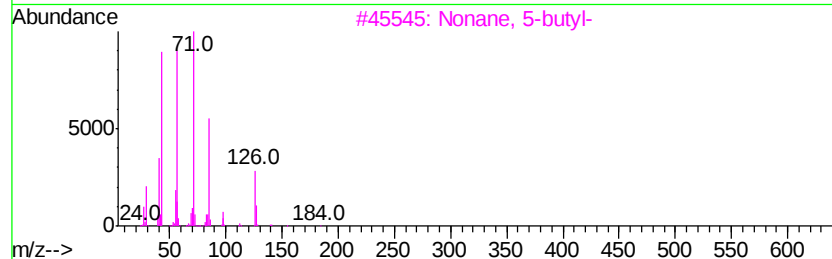
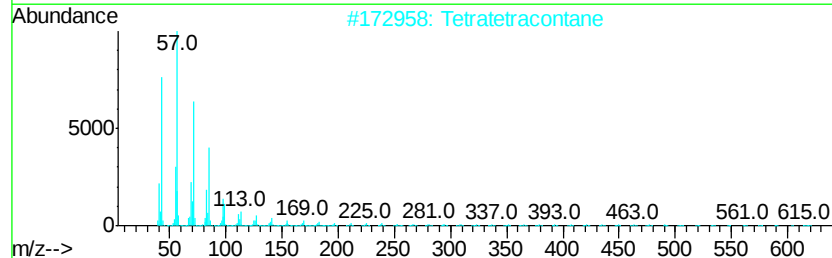
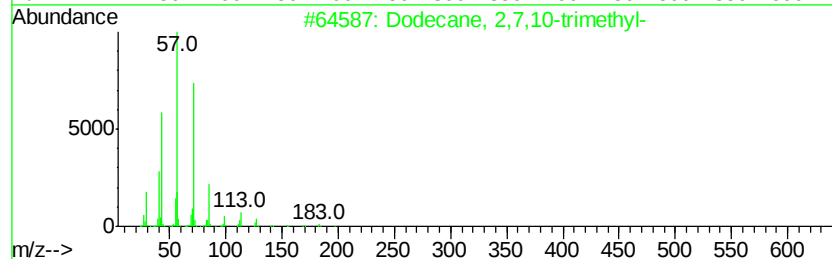
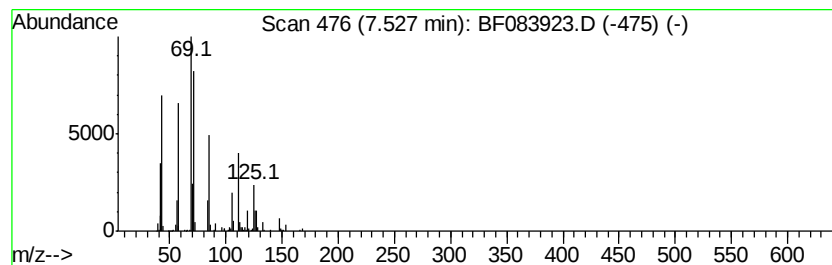
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown7.53 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	6.34 ng	1937790	Naphthalene-d8	8.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	35
2			Tetratetracontane	619	C44H90	007098-22-8	35
3			Nonane, 5-butyl-	184	C13H28	017312-63-9	27
4			Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	27
5			Nonane, 1-iodo-	254	C9H19I	004282-42-2	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
Data File : BF083923.D
Acq On : 18 Dec 2015 19:59
Operator : UM/SJ
Sample : G4819-01 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LAR-9875

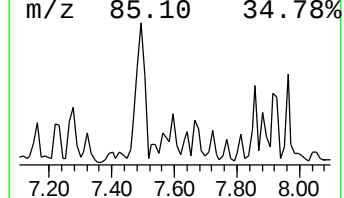
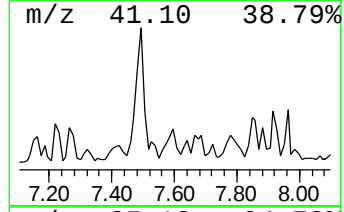
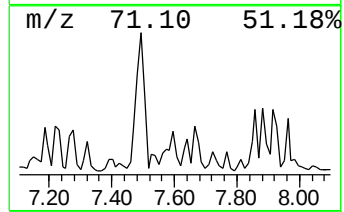
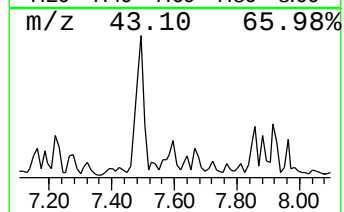
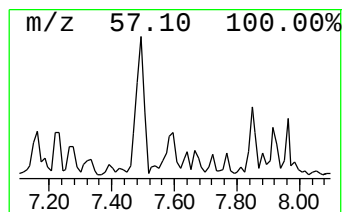
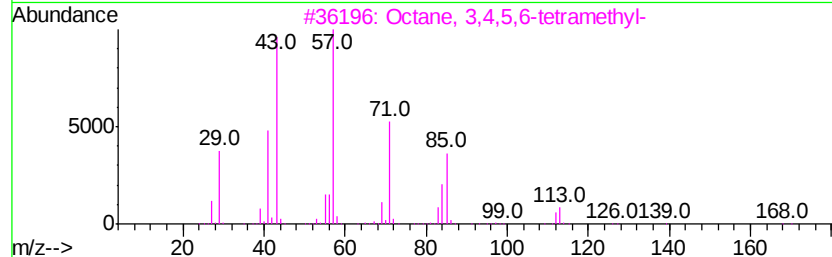
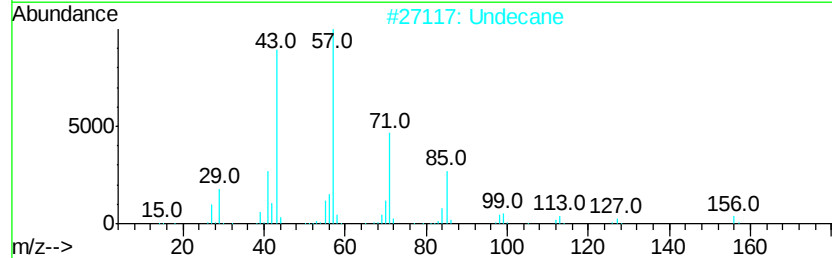
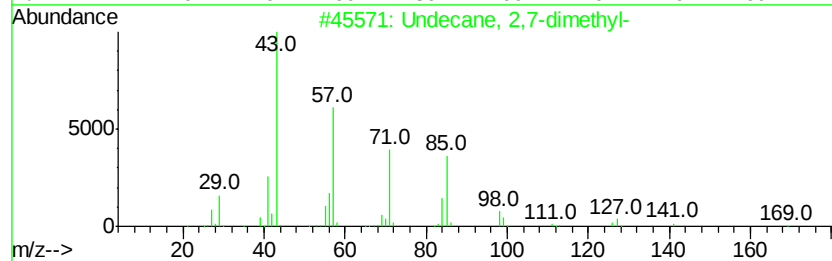
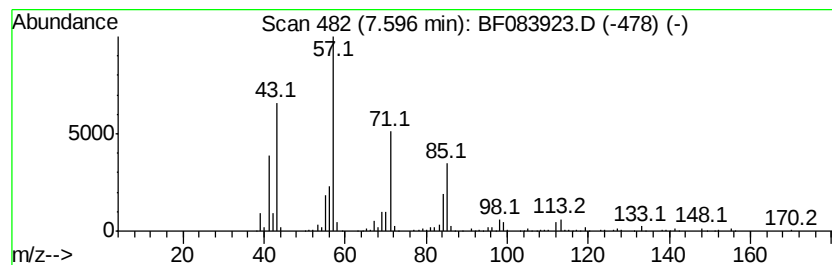
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Undecane, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	14.24 ng	4353270	Napthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	80
2		Undecane	156	C11H24	001120-21-4	74
3		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	72
4		Undecane, 5-methyl-	170	C12H26	001632-70-8	68
5		Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
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Acq On : 18 Dec 2015 19:59
Operator : UM/SJ
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ClientSampleId :
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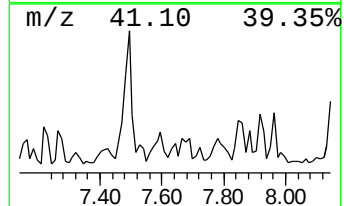
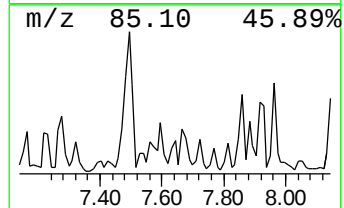
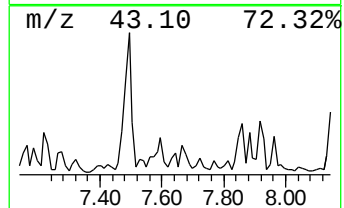
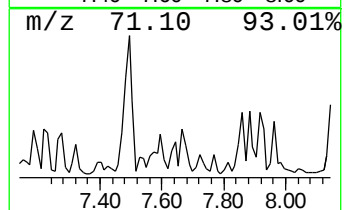
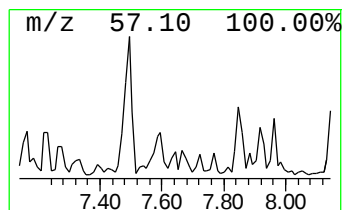
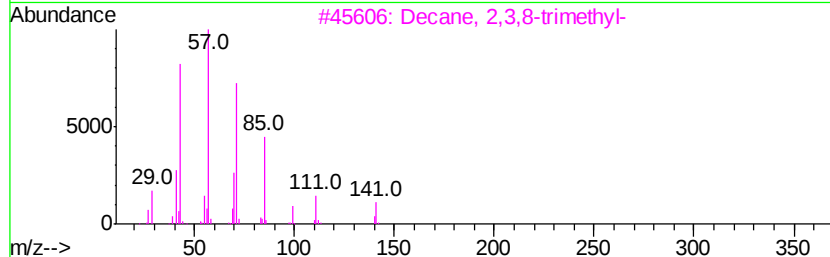
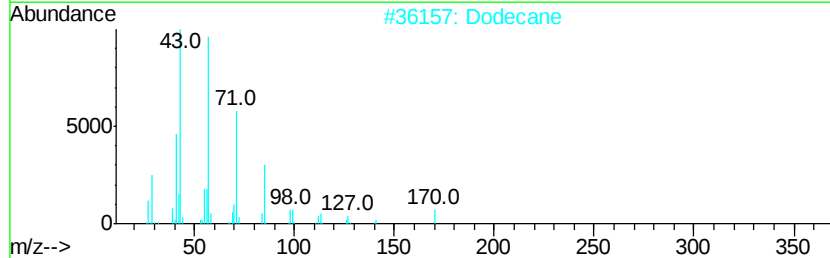
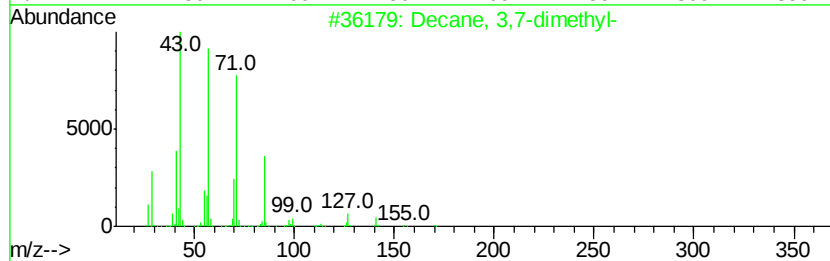
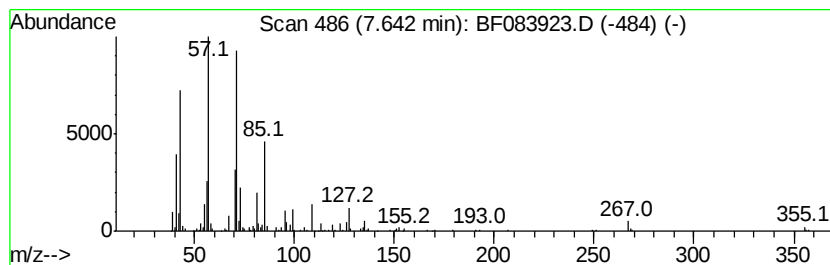
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Decane, 3,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	7.44 ng	2276210	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	64
2		Dodecane	170	C12H26	000112-40-3	64
3		Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	53
4		Undecane, 5-methyl-	170	C12H26	001632-70-8	50
5		Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
Data File : BF083923.D
Acq On : 18 Dec 2015 19:59
Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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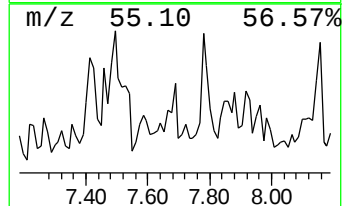
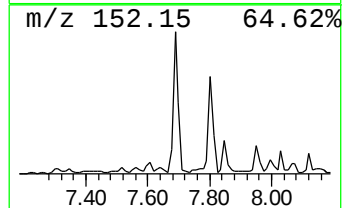
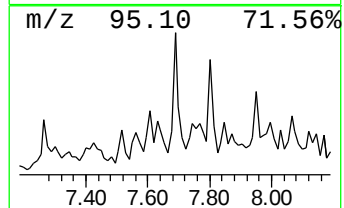
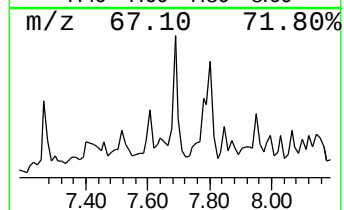
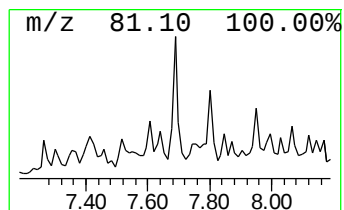
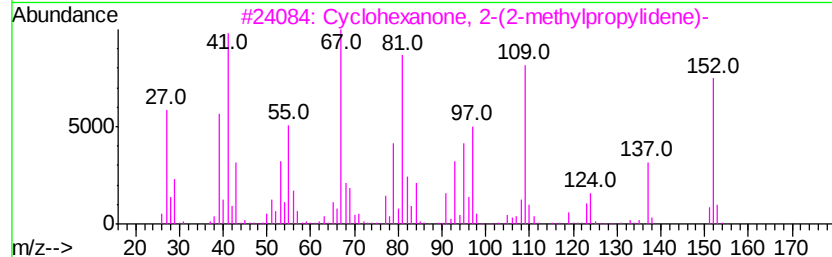
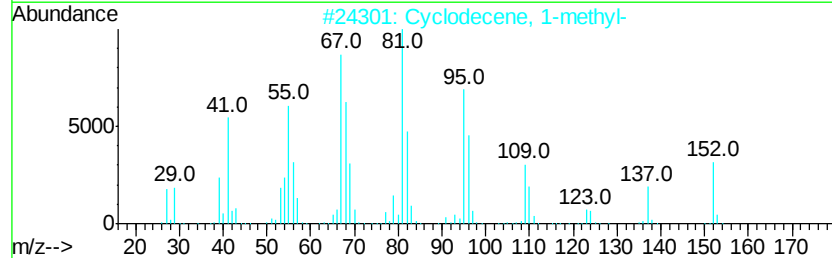
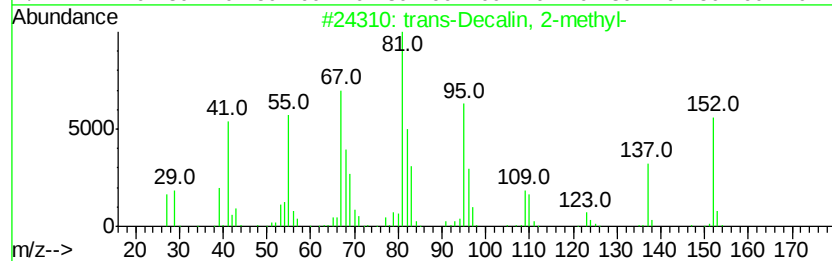
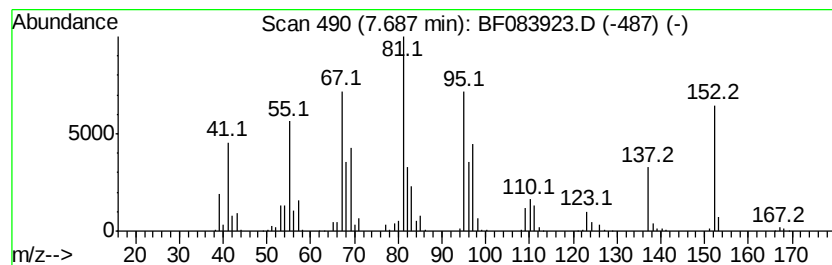
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 trans-Decalin, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	13.50 ng	4128880	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	83
2		Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	72
3		Cyclohexanone, 2-(2-methylpropyl)-	152	C10H16O	043108-69-6	72
4		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	55
5		Bicyclo[4.1.0]heptan-2-one, 3,5,...	152	C10H16O	029750-24-1	55



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083923.D
Acq On : 18 Dec 2015 19:59
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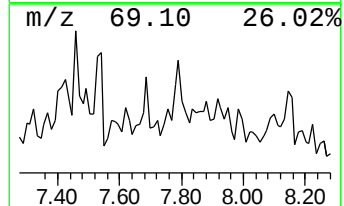
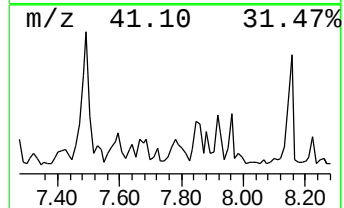
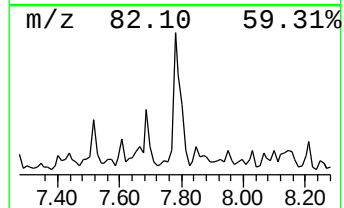
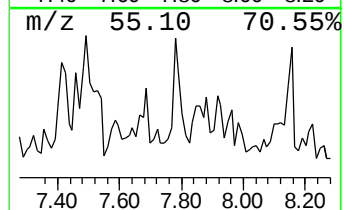
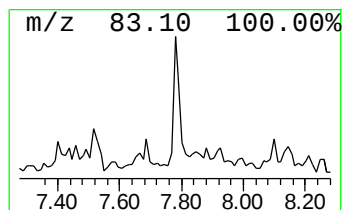
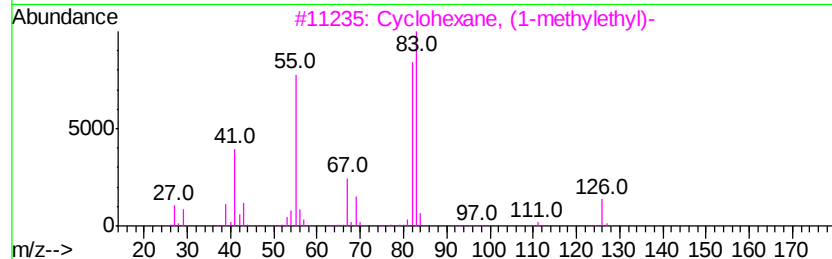
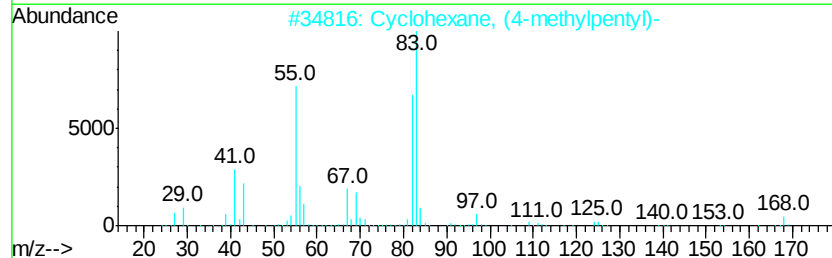
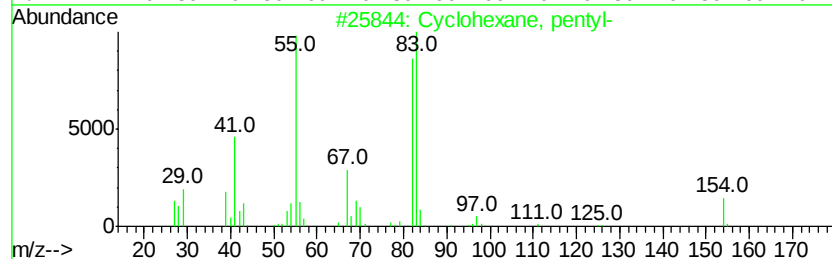
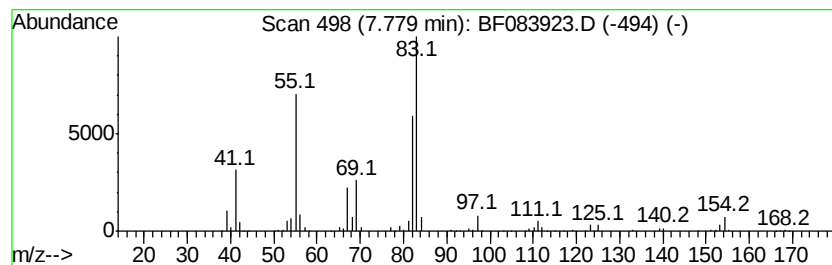
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclohexane, pentyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	18.53 ng	5665790	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	83
2		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	78
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	78
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	78
5		n-Amylcyclohexane	154	C11H22	029949-27-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
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Acq On : 18 Dec 2015 19:59
Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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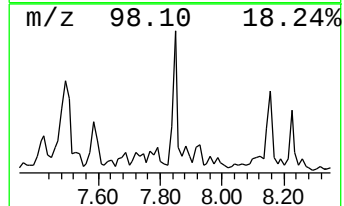
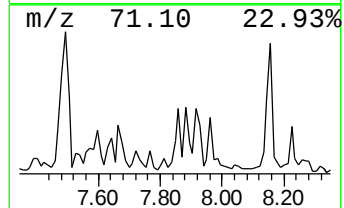
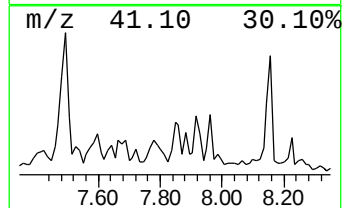
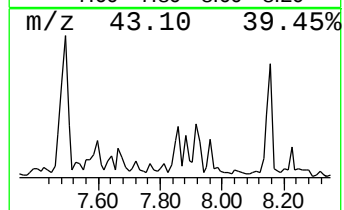
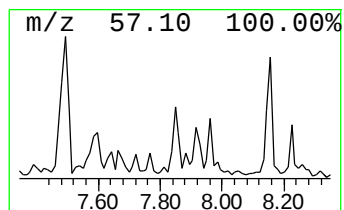
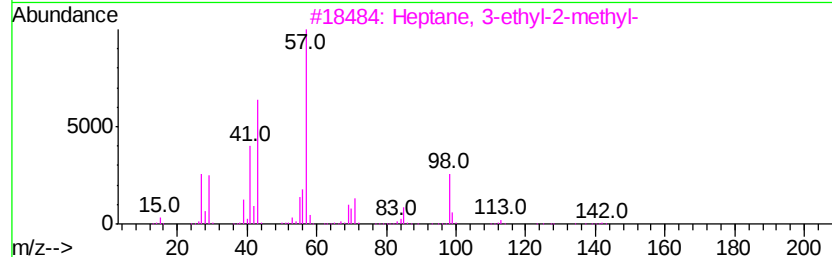
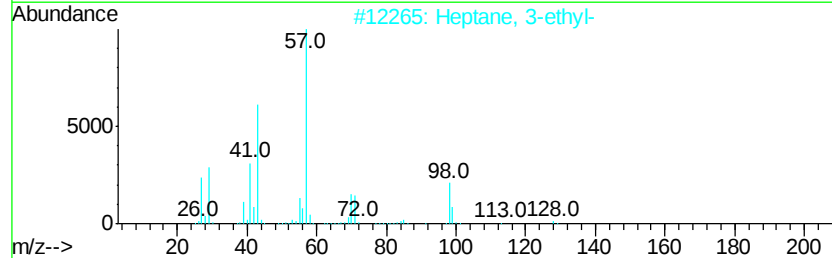
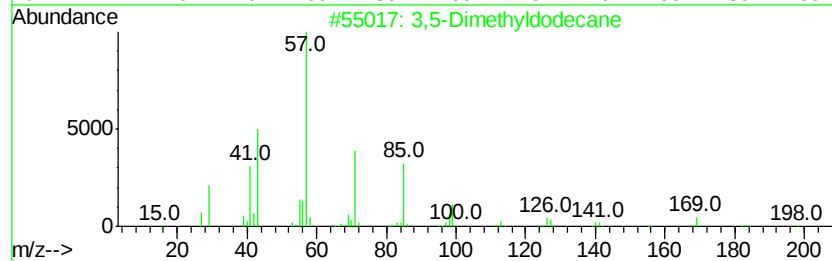
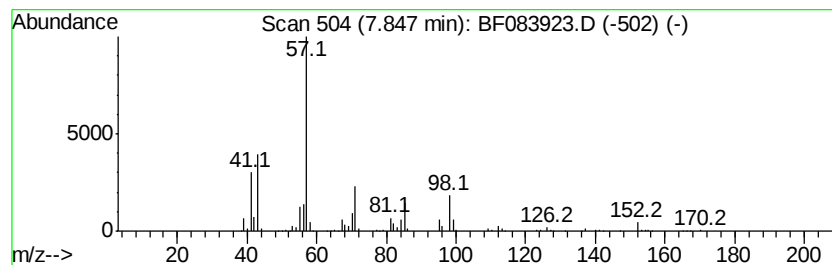
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 3,5-Dimethyldodecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	12.93 ng	3953870	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	59
2		Heptane, 3-ethyl-	128	C9H20	015869-80-4	53
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
4		Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	50
5		Decane	142	C10H22	000124-18-5	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
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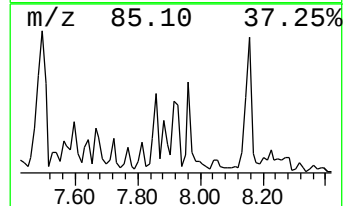
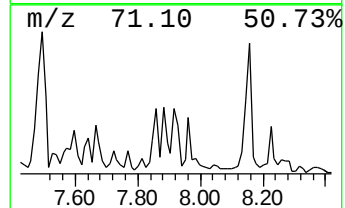
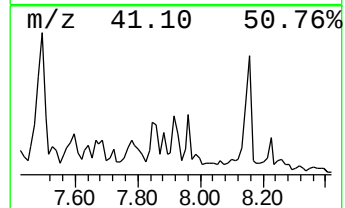
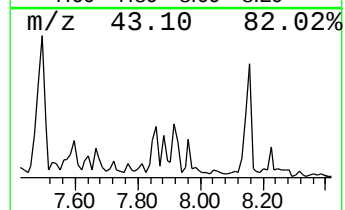
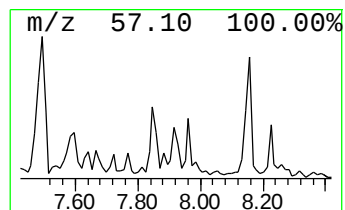
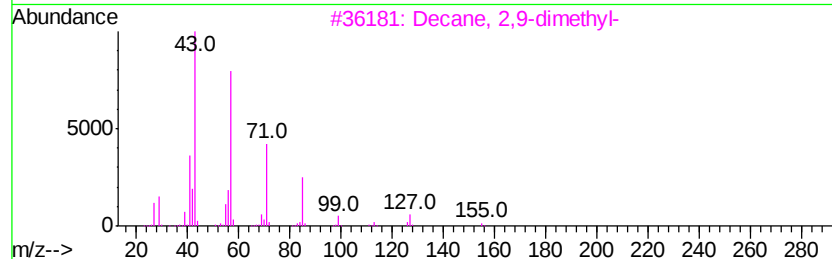
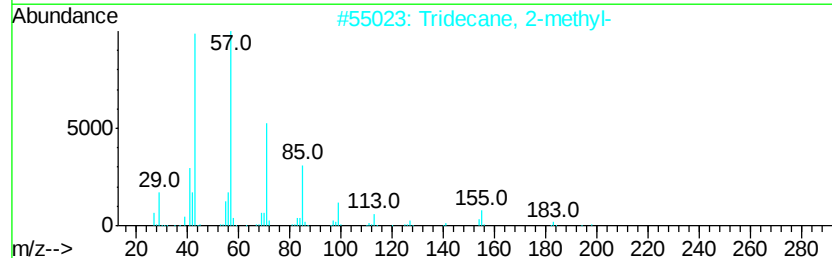
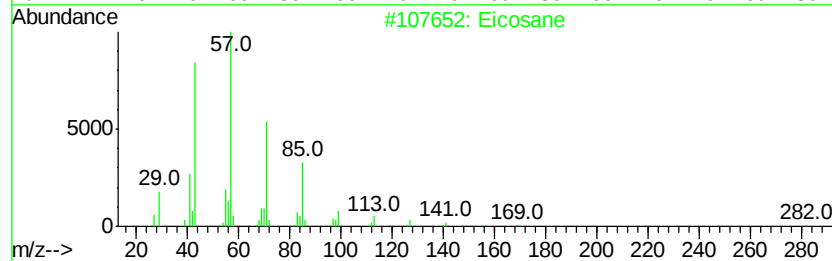
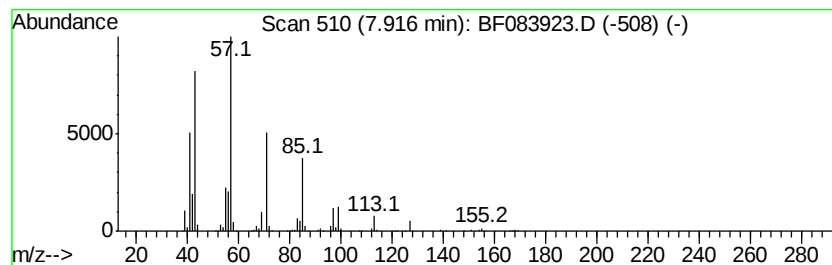
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Eicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	12.01 ng	3673330	Napthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	86
2		Tridecane, 2-methyl-	198	C14H30	001560-96-9	72
3		Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72
4		Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	64
5		Decane	142	C10H22	000124-18-5	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083923.D
Acq On : 18 Dec 2015 19:59
Operator : UM/SJ
Sample : G4819-01 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LAR-9875

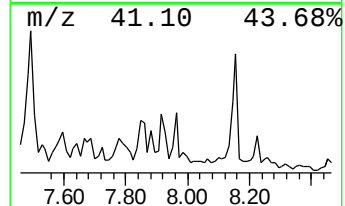
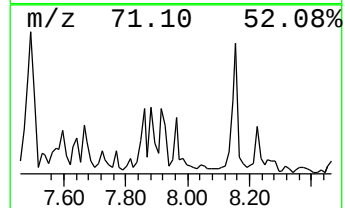
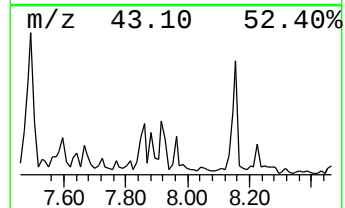
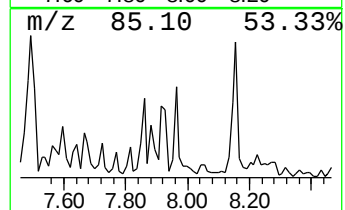
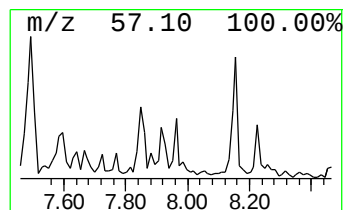
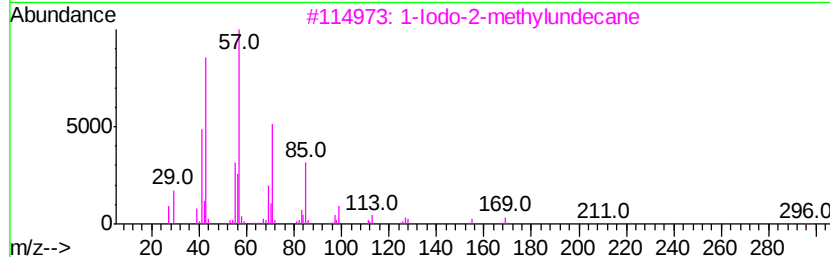
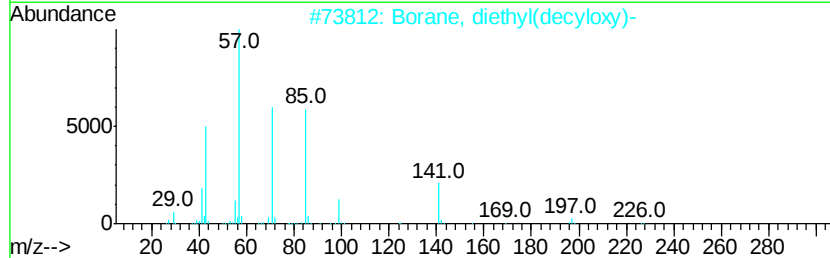
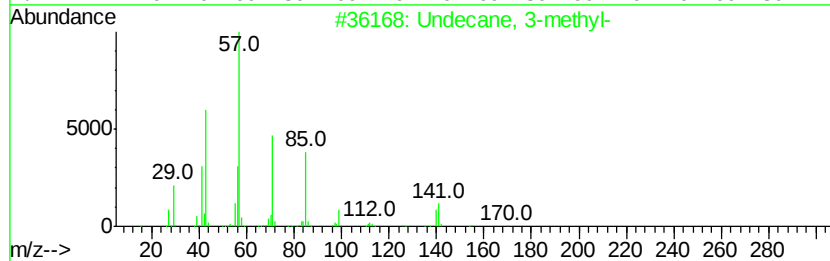
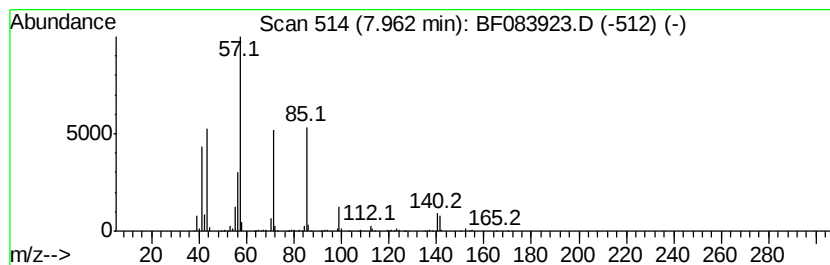
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Undecane, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	8.53 ng	2607190	Naphthalene-d8	8.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3-methyl-	170	C12H26	001002-43-3	87
2			Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	64
3			1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	53
4			Dodecane, 5-methyl-	184	C13H28	017453-93-9	53
5			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
Data File : BF083923.D
Acq On : 18 Dec 2015 19:59
Operator : UM/SJ
Sample : G4819-01 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LAR-9875

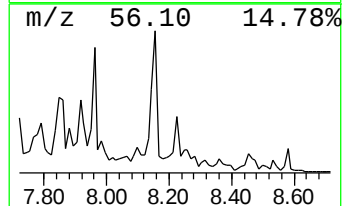
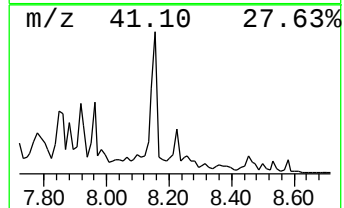
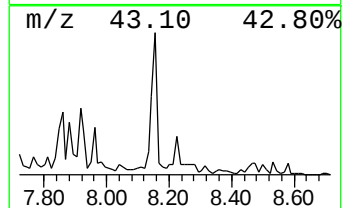
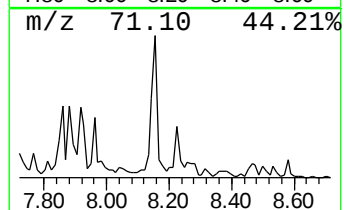
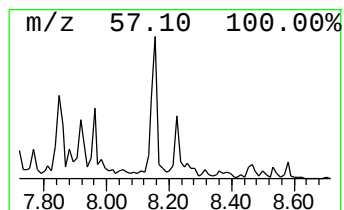
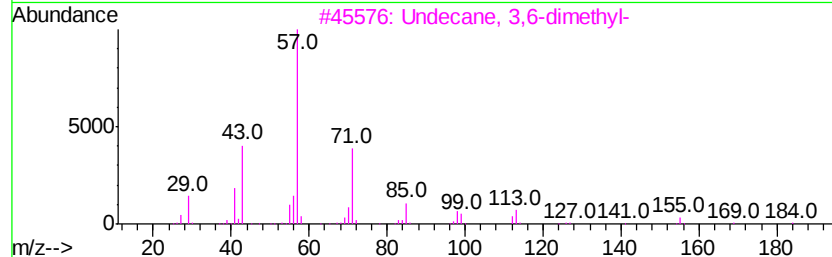
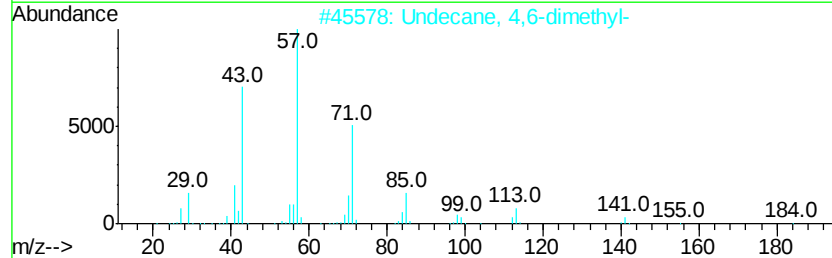
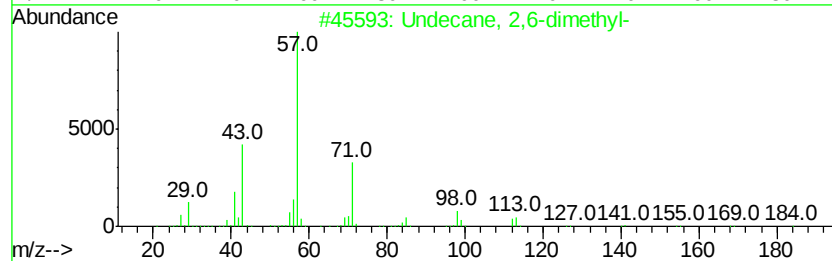
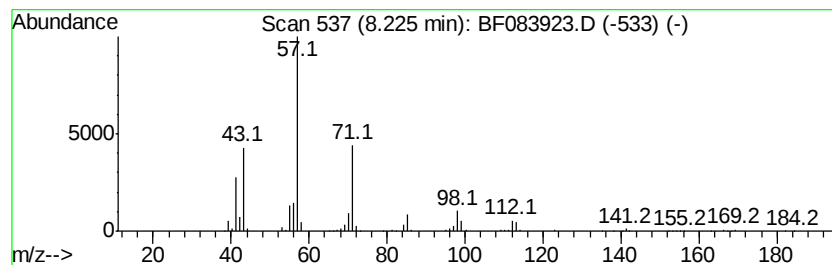
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Undecane, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	8.11 ng	2479550	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	95
2		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	87
3		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	83
4		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	76
5		Tridecane, 6-methyl-	198	C14H30	013287-21-3	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
 Data File : BF083923.D
 Acq On : 18 Dec 2015 19:59
 Operator : UM/SJ
 Sample : G4819-01 20X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9875

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Decane, 2,6,8-tri...	6.36	6.5 ng		282197	1	6.86	863415	20.0
Decane	6.72	38.3 ng		1653920	1	6.86	863415	20.0
unknown6.93	6.93	15.9 ng		685258	1	6.86	863415	20.0
unknown7.02	7.02	44.4 ng		1914820	1	6.86	863415	20.0
1-Nonene, 4,6,8-t...	7.10	15.2 ng		654555	1	6.86	863415	20.0
Decane, 5-methyl-	7.16	59.9 ng		2584690	1	6.86	863415	20.0
Dodecane, 4-methyl-	7.18	31.6 ng		1362750	1	6.86	863415	20.0
Dodecane, 2,6,11-...	7.22	50.1 ng		2162110	1	6.86	863415	20.0
unknown7.26	7.26	60.8 ng		2623580	1	6.86	863415	20.0
unknown7.32	7.32	48.5 ng		2095560	1	6.86	863415	20.0
Undecane	7.49	212.8 ng		9187330	1	6.86	863415	20.0
unknown7.53	7.53	6.3 ng		1937790	2	8.16	6115640	20.0
Undecane, 2,7-dim...	7.60	14.2 ng		4353270	2	8.16	6115640	20.0
Decane, 3,7-dimet...	7.64	7.4 ng		2276210	2	8.16	6115640	20.0
trans-Decalin, 2-...	7.69	13.5 ng		4128880	2	8.16	6115640	20.0
Cyclohexane, pentyl-	7.78	18.5 ng		5665790	2	8.16	6115640	20.0
3,5-Dimethyldodecane	7.85	12.9 ng		3953870	2	8.16	6115640	20.0
Eicosane	7.92	12.0 ng		3673330	2	8.16	6115640	20.0
Undecane, 3-methyl-	7.96	8.5 ng		2607190	2	8.16	6115640	20.0
Undecane, 2,6-dim...	8.22	8.1 ng		2479550	2	8.16	6115640	20.0