

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
 Data File : BF084697.D
 Acq On : 30 Jan 2016 21:44
 Operator : SJ/IZ
 Sample : H1297-01
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-22-ELECTRICAL

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-BF012916.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	4.178	180	183	186	rBV	193965	294599	2.12%	0.082%
2	4.887	240	245	247	rBV	2486802	3905782	28.12%	1.088%
3	5.321	281	283	286	rVB	3935581	3784231	27.25%	1.054%
4	5.459	291	295	298	rBV2	165514	252119	1.82%	0.070%
5	5.721	315	318	320	rBV2	457735	564335	4.06%	0.157%
6	5.779	320	323	328	rBV3	139072	417646	3.01%	0.116%
7	5.859	328	330	333	rVB	412067	453467	3.26%	0.126%
8	5.916	333	335	337	rBV2	211452	368308	2.65%	0.103%
9	5.961	337	339	343	rBV	1065849	1334744	9.61%	0.372%
10	6.019	343	344	348	rBV	587658	774527	5.58%	0.216%
11	6.156	353	356	358	rBV3	530505	804882	5.80%	0.224%
12	6.201	358	360	361	rBV2	233387	282340	2.03%	0.079%
13	6.224	361	362	363	rBV	814427	679087	4.89%	0.189%
14	6.259	363	365	369	rVB2	1115635	1743656	12.55%	0.486%
15	6.316	369	370	373	rBV2	916835	1031768	7.43%	0.287%
16	6.373	373	375	378	rBV	3251402	3987447	28.71%	1.111%
17	6.419	378	379	381	rVB	316677	316146	2.28%	0.088%
18	6.499	381	386	388	rBV	4647778	6057734	43.62%	1.687%
19	6.567	390	392	395	rBV3	664468	1063660	7.66%	0.296%
20	6.636	395	398	399	rBV3	137008	340523	2.45%	0.095%
21	6.670	399	401	402	rBV2	414525	724848	5.22%	0.202%
22	6.727	403	406	407	rBV	1420902	1485586	10.70%	0.414%
23	6.750	407	408	410	rVB	3223447	3199571	23.04%	0.891%
24	6.796	410	412	413	rBV	871119	1207652	8.70%	0.336%
25	6.830	413	415	416	rBV2	281317	265413	1.91%	0.074%
26	6.853	416	417	418	rBV	609958	537843	3.87%	0.150%
27	6.887	418	420	422	rVB	3832724	4111899	29.61%	1.145%
28	6.922	422	423	424	rVB	644664	441917	3.18%	0.123%
29	6.967	424	427	428	rBV2	806562	1560480	11.24%	0.435%
30	7.024	428	432	433	rVB3	1729660	3618559	26.05%	1.008%
31	7.047	433	434	436	rBV2	2031299	2084698	15.01%	0.581%
32	7.082	436	437	439	rVB	2029309	1821334	13.11%	0.507%
33	7.127	439	441	447	rVB2	3384584	4496549	32.38%	1.252%
34	7.207	447	448	449	rBV	370813	488501	3.52%	0.136%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.276	450	454	455	rBV2	2262044	4247275	30.58%	1.183%
36	7.299	455	456	457	rVB	2222971	1523847	10.97%	0.424%
37	7.390	461	464	466	rBV2	2829185	4952558	35.66%	1.379%
38	7.424	466	467	468	rBV	1149137	1431515	10.31%	0.399%
39	7.459	468	470	472	rVB	2741349	2786399	20.06%	0.776%
40	7.504	472	474	475	rBV2	959734	1615337	11.63%	0.450%
41	7.539	475	477	479	rVB2	3731440	5089239	36.64%	1.417%
42	7.584	479	481	483	rBV2	1133129	1587417	11.43%	0.442%
43	7.653	483	487	491	rBV5	3374492	7969426	57.38%	2.220%
44	7.722	491	493	494	rBV	2423679	3287296	23.67%	0.916%
45	7.756	494	496	498	rBV2	3113253	3675237	26.46%	1.024%
46	7.790	498	499	501	rVB2	2506114	2541826	18.30%	0.708%
47	7.836	501	503	507	rVB3	3470081	6643059	47.83%	1.850%
48	7.916	507	510	513	rBV5	1384931	4335724	31.22%	1.208%
49	7.984	513	516	517	rBV3	3097555	5485338	39.49%	1.528%
50	8.019	517	519	521	rVB3	3790847	4289834	30.89%	1.195%
51	8.076	521	524	525	rBV3	1561316	2959596	21.31%	0.824%
52	8.110	525	527	530	rVB2	6422941	8500138	61.20%	2.367%
53	8.236	532	538	540	rBV4	3567466	11739330	84.52%	3.270%
54	8.270	540	541	542	rBV	1702544	1629644	11.73%	0.454%
55	8.327	542	546	548	rBV6	4036470	7922072	57.04%	2.206%
56	8.385	550	551	553	rBV2	2631352	3420073	24.62%	0.953%
57	8.476	556	559	563	rBV2	8459284	13884613	99.97%	3.867%
58	8.533	563	564	566	rVB2	2473885	3042752	21.91%	0.847%
59	8.579	566	568	571	rBV4	2199188	4936222	35.54%	1.375%
60	8.636	571	573	575	rBV3	2293944	4051430	29.17%	1.128%
61	8.693	576	578	579	rVB2	1909309	1866548	13.44%	0.520%
62	8.727	579	581	583	rVB2	4352451	7526728	54.19%	2.096%
63	8.796	583	587	588	rBV4	1697131	4675472	33.66%	1.302%
64	8.865	589	593	595	rBV4	3417288	5825548	41.94%	1.623%
65	8.945	596	600	602	rBV5	2904638	6287992	45.27%	1.751%
66	9.082	608	612	613	rBV2	6646032	11672205	84.04%	3.251%
67	9.196	619	622	625	rBV3	3802758	8826078	63.55%	2.458%
68	9.253	625	627	631	rVB3	2701053	7100378	51.12%	1.978%
69	9.322	631	633	635	rVB3	1867608	2384384	17.17%	0.664%
70	9.379	635	638	641	rBV3	3715031	7980169	57.46%	2.223%
71	9.459	641	645	648	rBV4	4334046	11682325	84.11%	3.254%

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72	9.539	650	652	654	rVB3	4954455	7217694	51.97%	2.010%
73	9.710	665	667	668	rVB	3132712	3067798	22.09%	0.854%
74	9.745	668	670	671	rBV	2285198	3061200	22.04%	0.853%
75	9.779	671	673	675	rBV3	3412887	5254202	37.83%	1.463%
76	9.905	682	684	686	rVB	3728606	5568723	40.10%	1.551%
77	9.996	690	692	694	rVV	4051542	7137152	51.39%	1.988%
78	10.042	694	696	697	rVV	2751257	3598744	25.91%	1.002%
79	10.122	701	703	706	rBV2	2562054	5842474	42.07%	1.627%
80	10.339	720	722	723	rBV2	1945765	2626594	18.91%	0.732%
81	10.465	730	733	734	rVB	5562148	7025601	50.58%	1.957%
82	10.545	738	740	741	rBV2	1192661	1485491	10.70%	0.414%
83	10.568	741	742	745	rVB3	2638627	3477568	25.04%	0.969%
84	10.739	753	757	759	rBV2	7233852	13888754	100.00%	3.868%
85	11.196	794	797	799	rVB	6397806	9517071	68.52%	2.651%
86	11.299	804	806	807	rBV	1425584	1230870	8.86%	0.343%
87	11.528	824	826	828	rVB2	2069175	2905540	20.92%	0.809%
88	11.985	864	866	867	rBV2	1027539	1094753	7.88%	0.305%
89	12.259	888	890	893	rVB2	2040605	3341354	24.06%	0.931%
90	12.328	893	896	897	rVV2	2228193	2764674	19.91%	0.770%
91	12.362	897	899	902	rVB2	1577856	1929477	13.89%	0.537%
92	12.705	928	929	930	rBV	1044742	816027	5.88%	0.227%
93	12.774	933	935	937	rBV	1371976	2136777	15.38%	0.595%
94	12.854	940	942	946	rVB2	2952819	4494814	32.36%	1.252%
95	13.082	961	962	964	rVB2	772491	660486	4.76%	0.184%
96	13.288	978	980	983	rVB2	827386	1010146	7.27%	0.281%
97	13.425	990	992	995	rVB2	476264	607153	4.37%	0.169%
98	13.745	1018	1020	1025	rVB2	811144	1318429	9.49%	0.367%
99	13.882	1030	1032	1035	rVB	1023433	1230663	8.86%	0.343%
100	15.265	1151	1153	1155	rBV	708902	852972	6.14%	0.238%

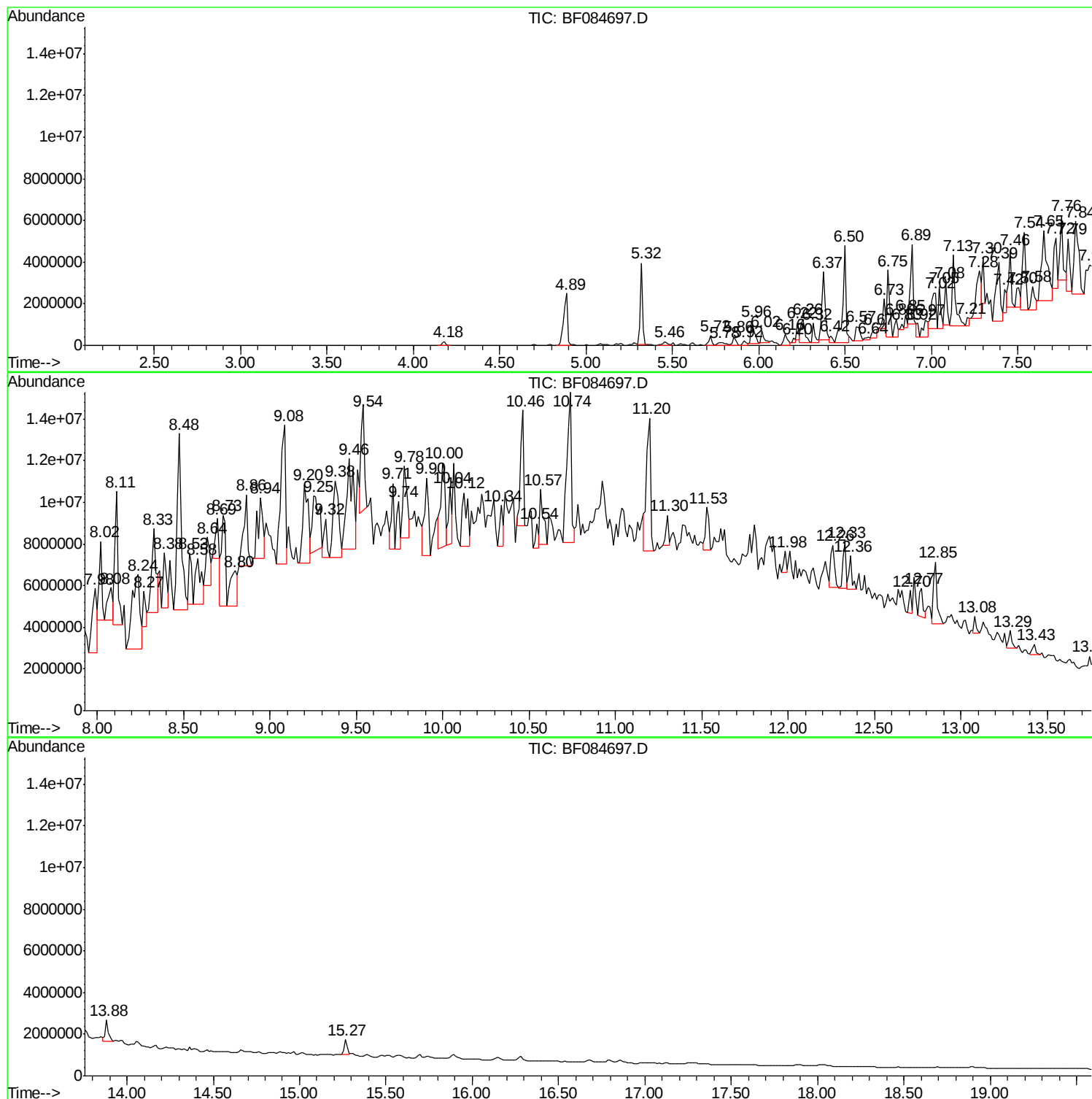
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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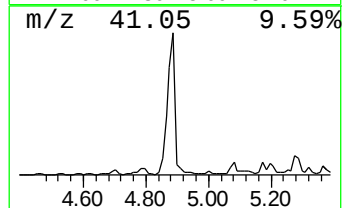
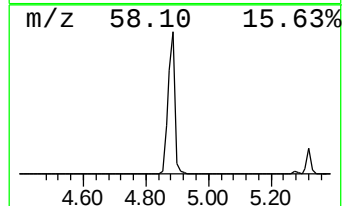
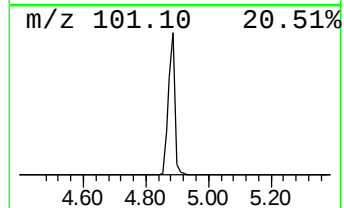
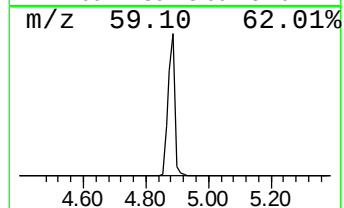
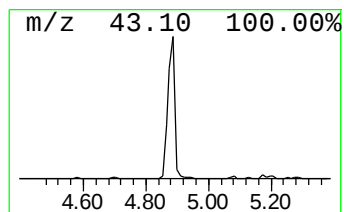
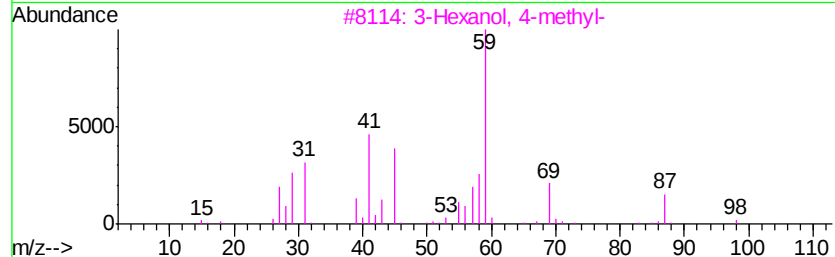
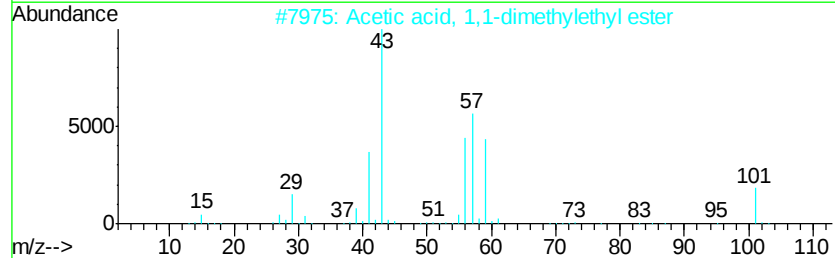
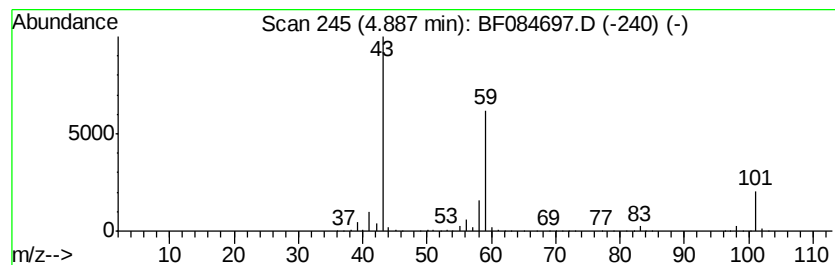
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	52.58 ng	3905780	1,4-Dichlorobenzene-d4	6.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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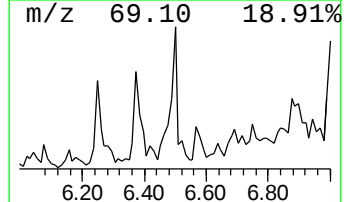
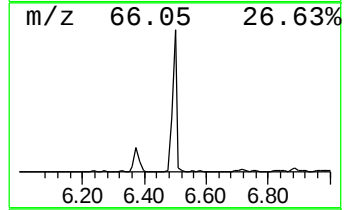
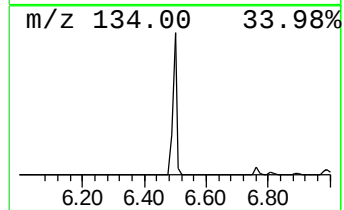
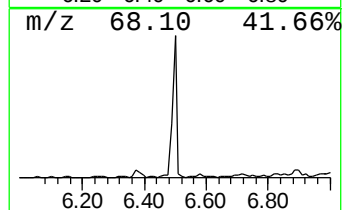
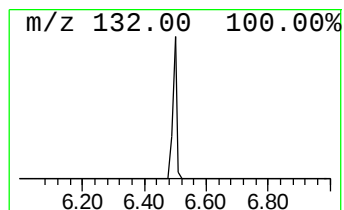
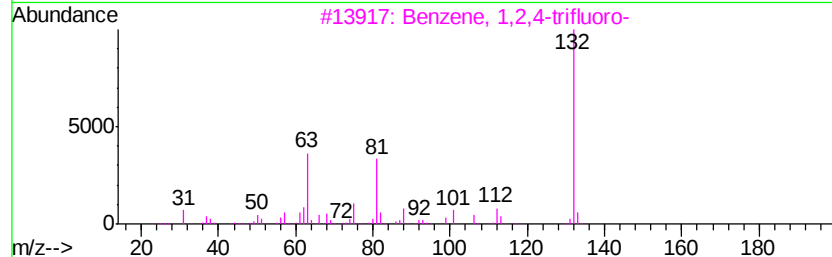
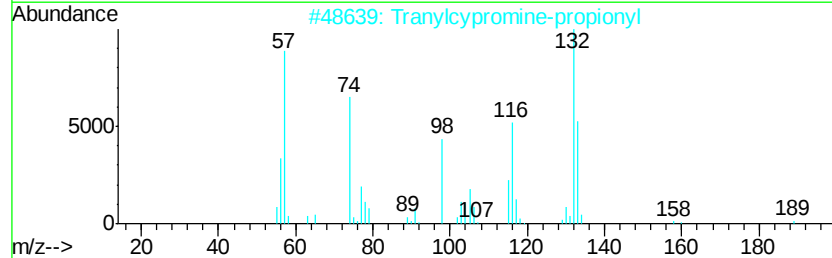
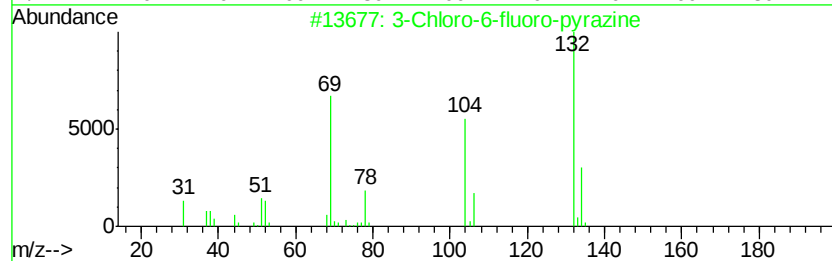
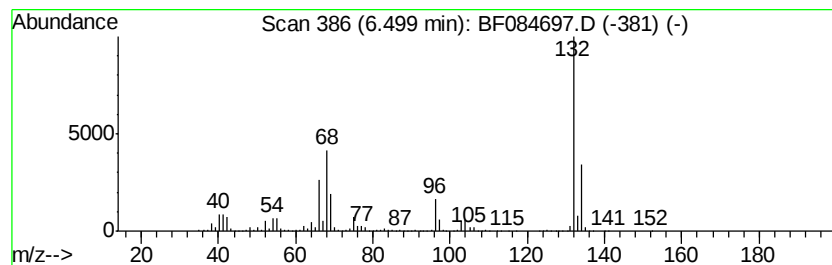
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.50 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	81.55 ng	6057730	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
4		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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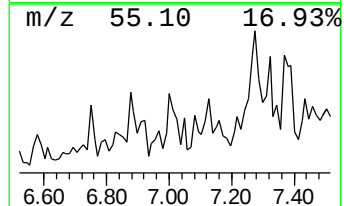
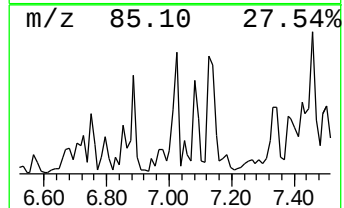
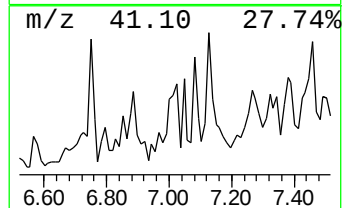
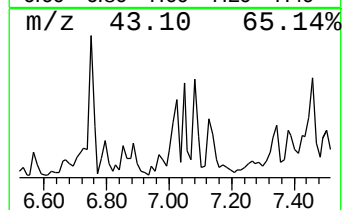
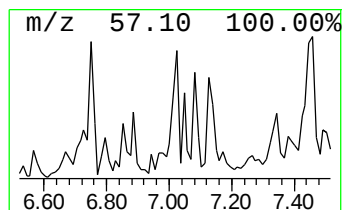
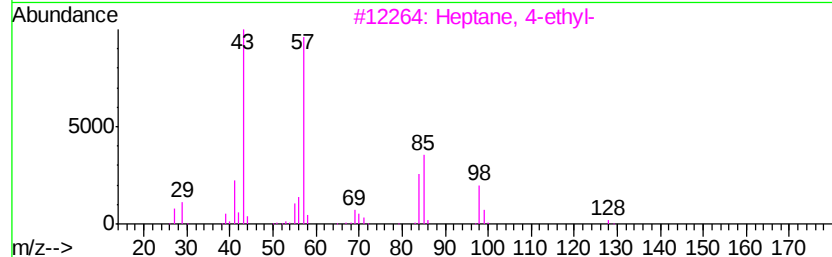
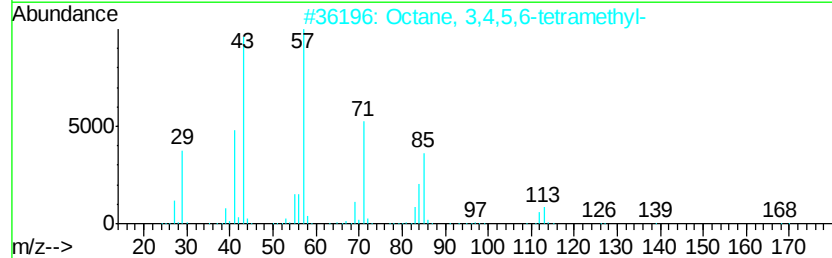
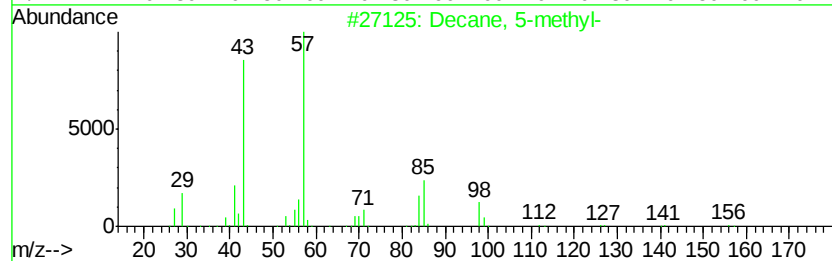
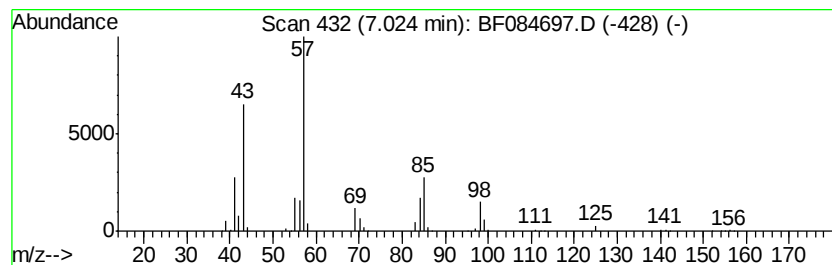
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Decane, 5-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	48.72 ng	3618560	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-methyl-	156	C11H24	013151-35-4	72
2		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	59
3		Heptane, 4-ethyl-	128	C9H20	002216-32-2	59
4		Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	59
5		4,4-Dimethylcyclooctene	138	C10H18	1000113-56-7	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
Data File : BF084697.D
Acq On : 30 Jan 2016 21:44
Operator : SJ/IZ
Sample : H1297-01
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-22-ELECTRICAL

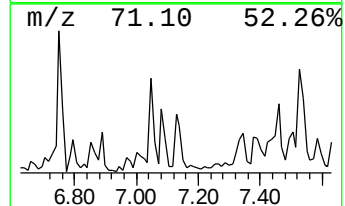
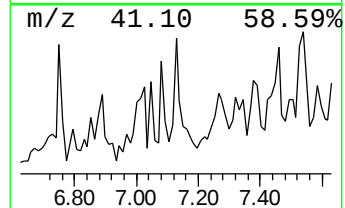
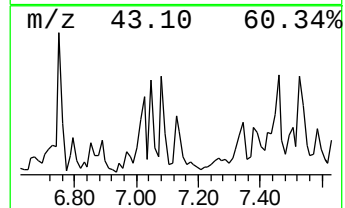
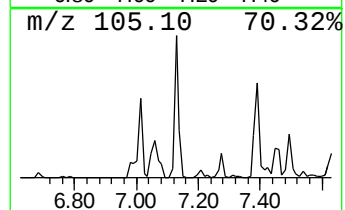
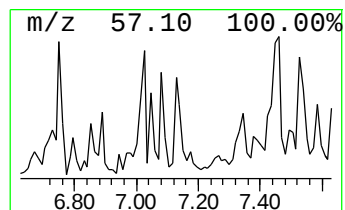
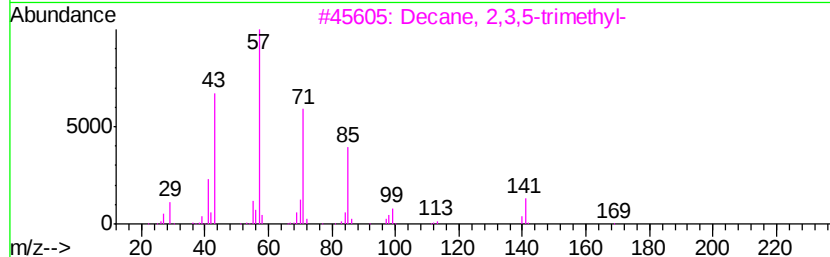
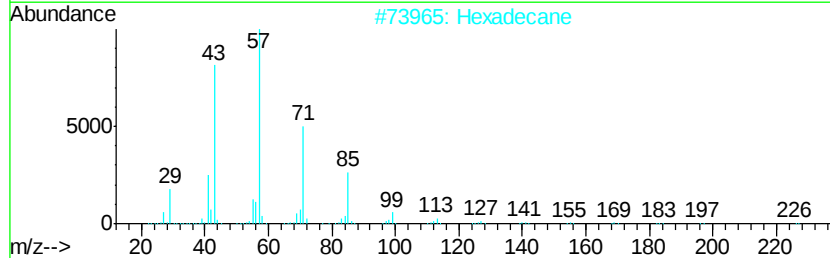
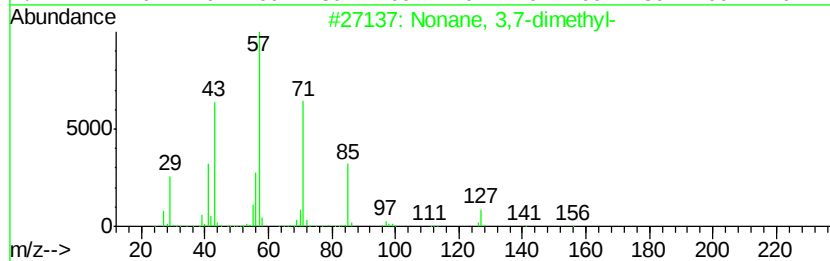
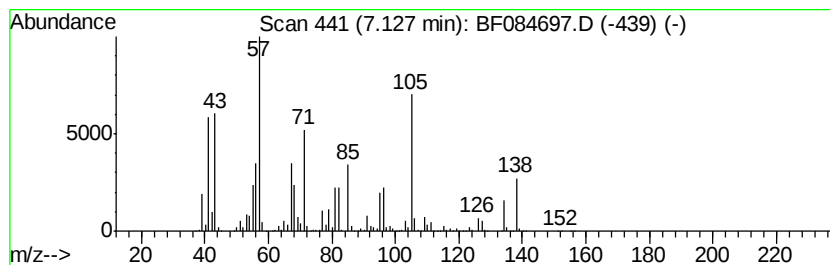
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown7.13 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	60.54 ng	4496550	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	25
2		Hexadecane	226	C16H34	000544-76-3	22
3		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	22
4		Eicosane	282	C20H42	000112-95-8	22
5		Undecane, 5-methyl-	170	C12H26	001632-70-8	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
Data File : BF084697.D
Acq On : 30 Jan 2016 21:44
Operator : SJ/IZ
Sample : H1297-01
Misc :
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Instrument :
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ClientSampleId :
SAMPLE-22-ELECTRICAL

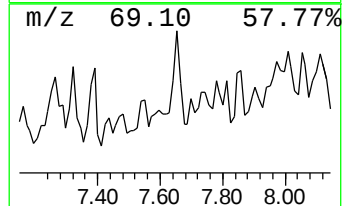
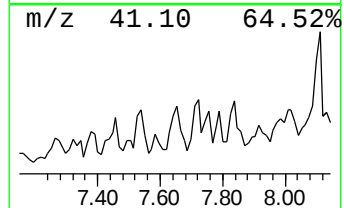
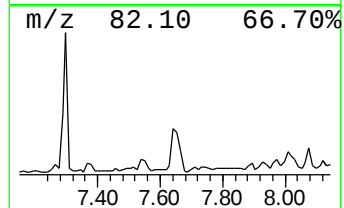
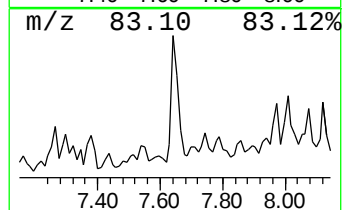
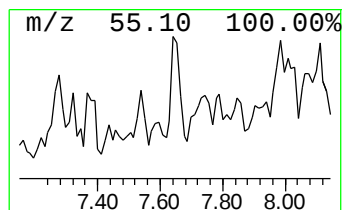
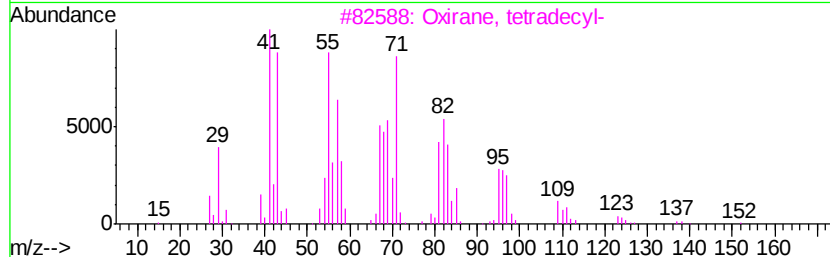
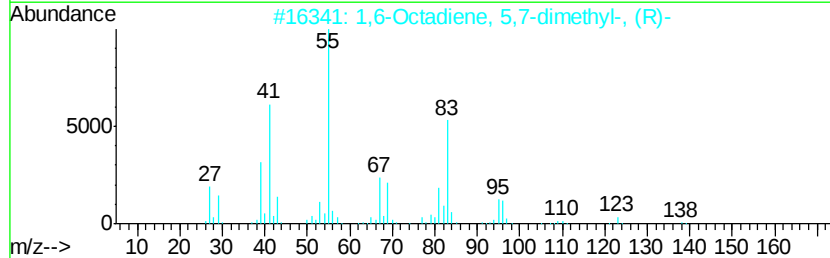
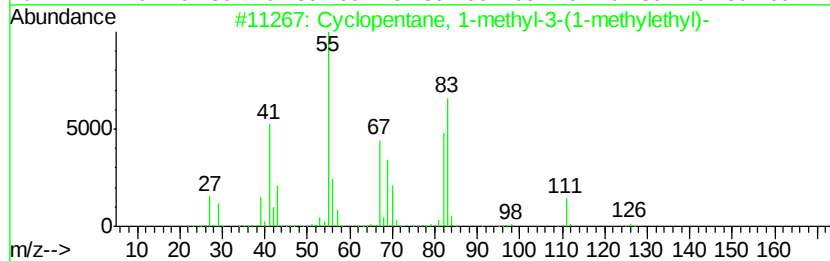
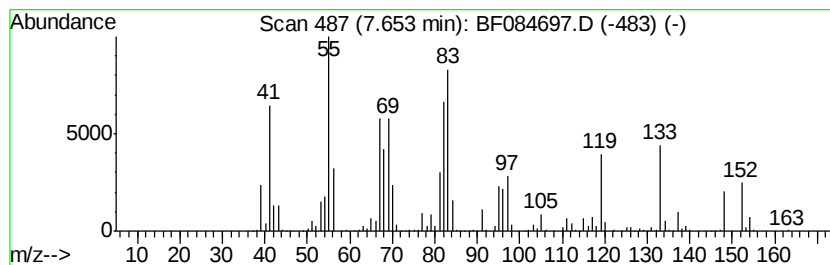
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown7.65 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	37.15 ng	7969430	Napthalene-d8	8.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	30
2		1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	30
3		Oxirane, tetradecyl-	240	C16H32O	007320-37-8	30
4		Trichloroacetic acid, undec-10-e...	314	C13H21Cl3O2	1000280-51-3	27
5		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
Data File : BF084697.D
Acq On : 30 Jan 2016 21:44
Operator : SJ/IZ
Sample : H1297-01
Misc :
ALS Vial : 66 Sample Multiplier: 1

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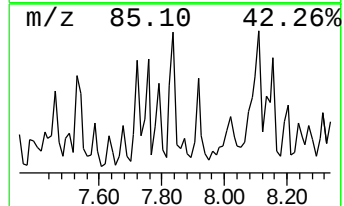
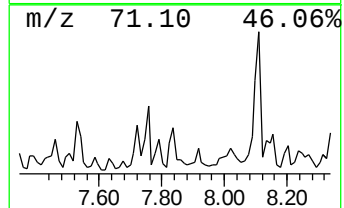
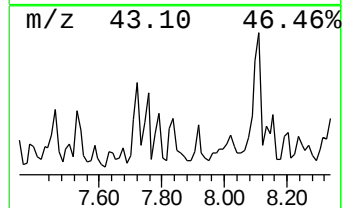
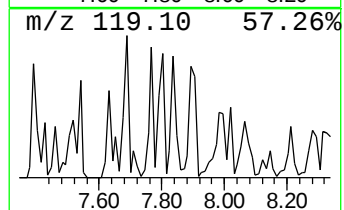
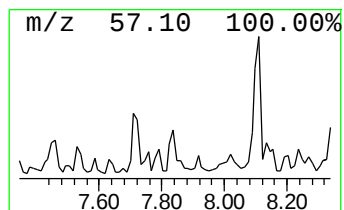
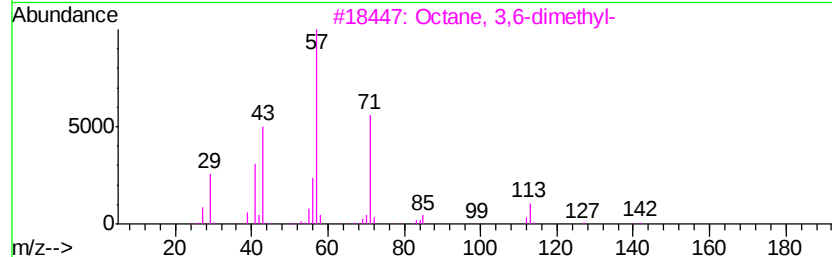
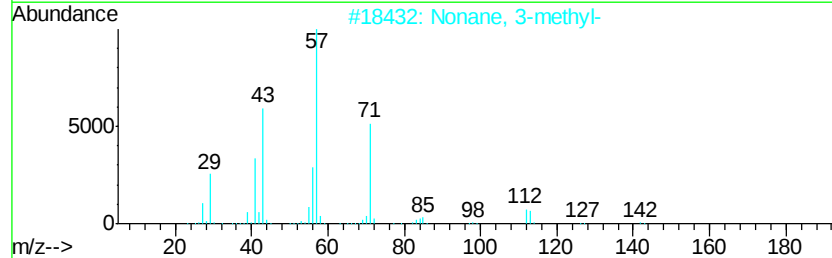
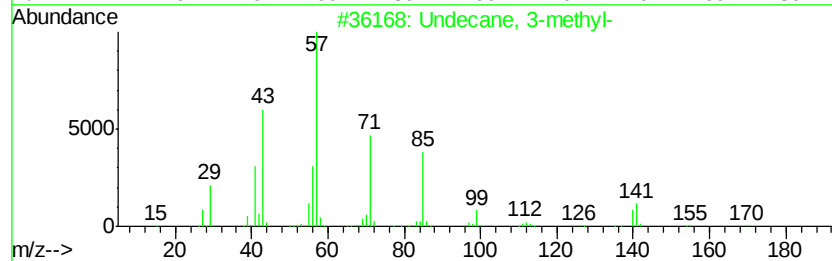
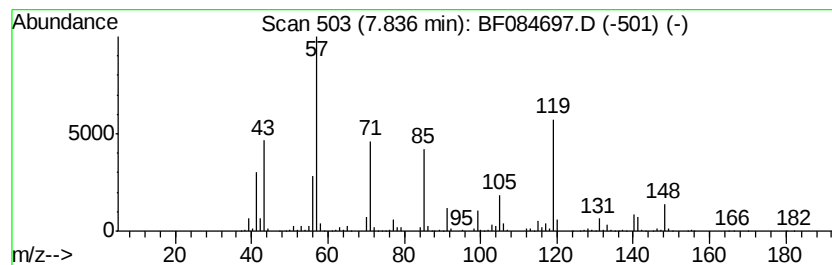
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Undecane, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.84	30.97 ng	6643060	Napthalene-d8	8.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3-methyl-	170	C12H26	001002-43-3	70
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	30
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	30
4		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	25
5		3-Hexanone, 2,2-dimethyl-	128	C8H16O	005405-79-8	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
Data File : BF084697.D
Acq On : 30 Jan 2016 21:44
Operator : SJ/IZ
Sample : H1297-01
Misc :
ALS Vial : 66 Sample Multiplier: 1

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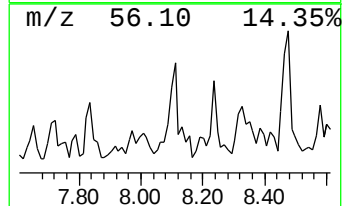
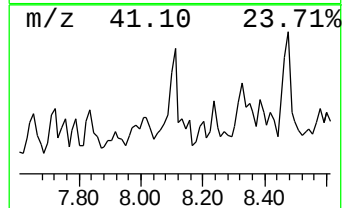
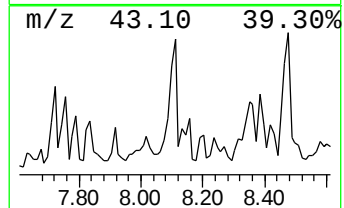
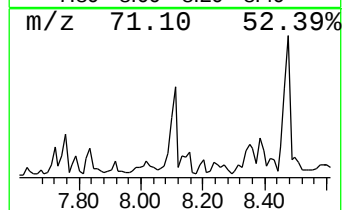
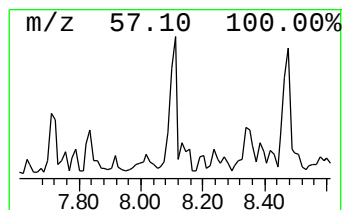
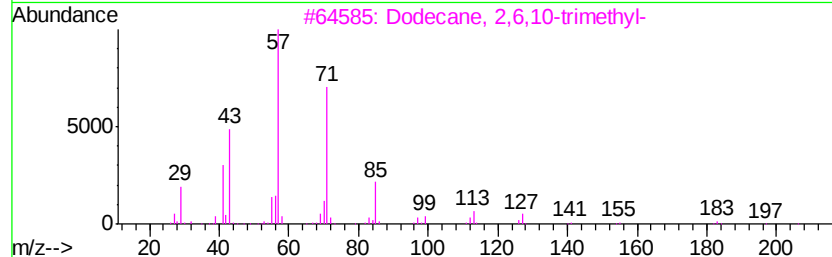
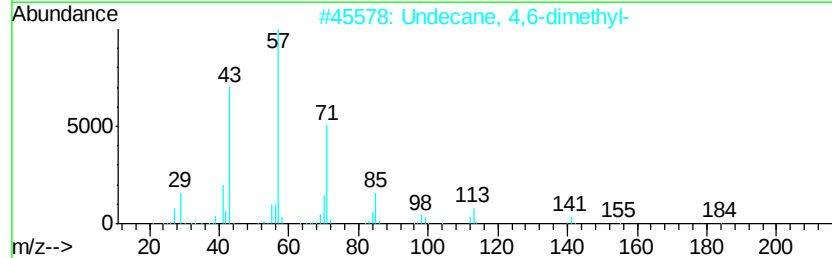
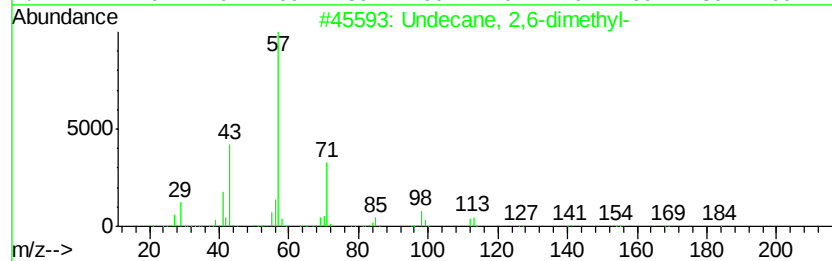
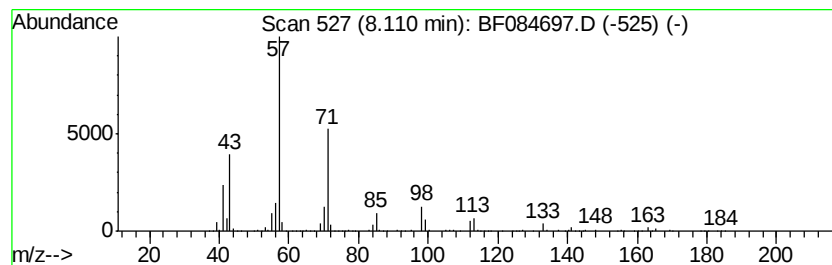
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Undecane, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	39.63 ng	8500140	Napthalene-d8	8.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	70
2		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	64
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	53
5		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
Data File : BF084697.D
Acq On : 30 Jan 2016 21:44
Operator : SJ/IZ
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Misc :
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Instrument :
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ClientSampleId :
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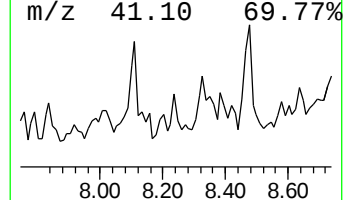
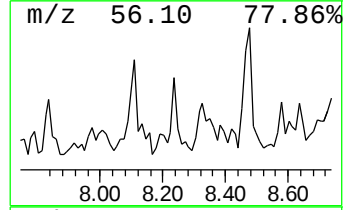
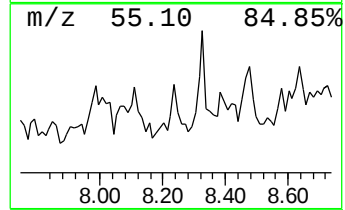
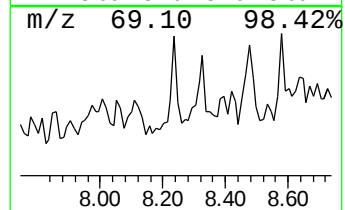
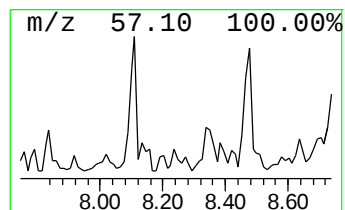
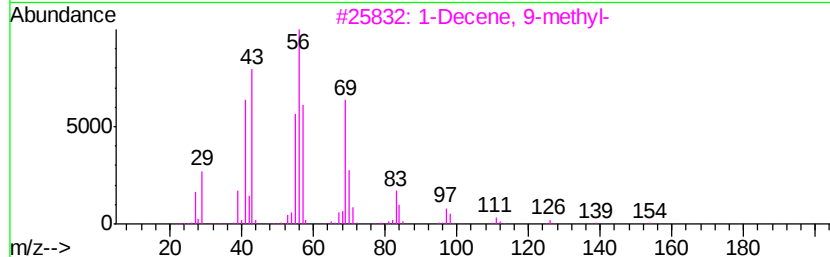
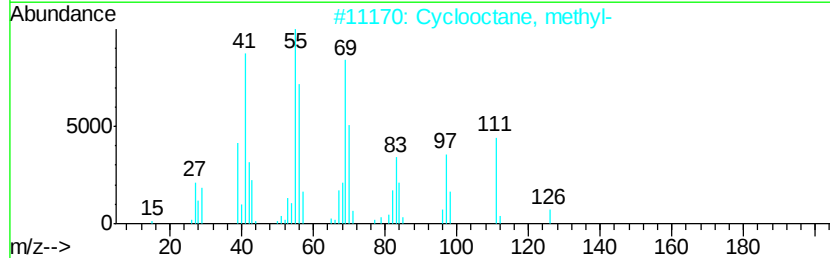
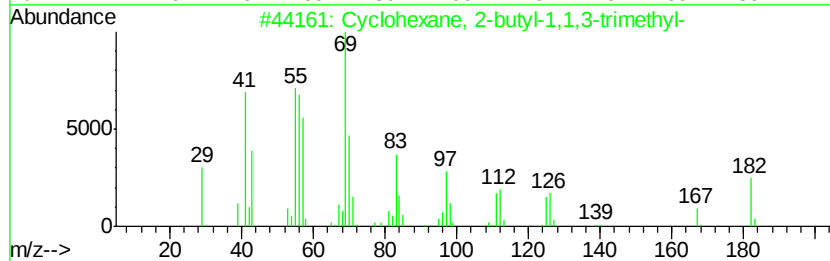
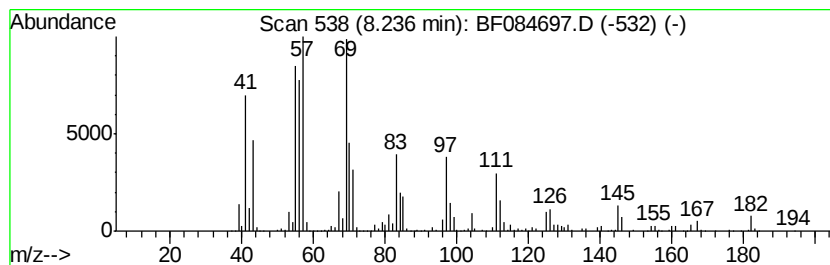
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.24	54.73 ng	11739300	Naphthalene-d8	8.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	91
2		Cyclooctane, methyl-	126	C9H18	001502-38-1	87
3		1-Decene, 9-methyl-	154	C11H22	061142-78-7	81
4		Cyclopentane, butyl-	126	C9H18	002040-95-1	74
5		3-Heptafluorobutyroxytridecane	396	C17H27F7O2	1000245-49-5	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
Data File : BF084697.D
Acq On : 30 Jan 2016 21:44
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ClientSampleId :
SAMPLE-22-ELECTRICAL

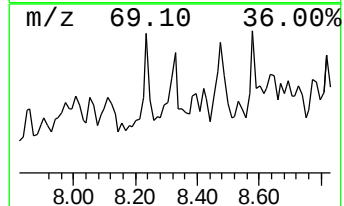
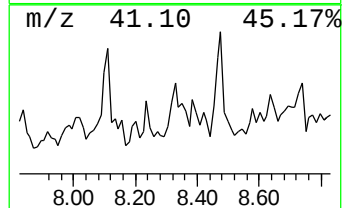
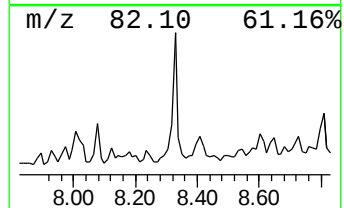
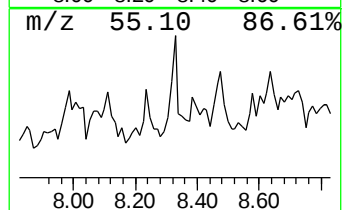
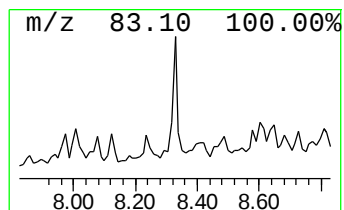
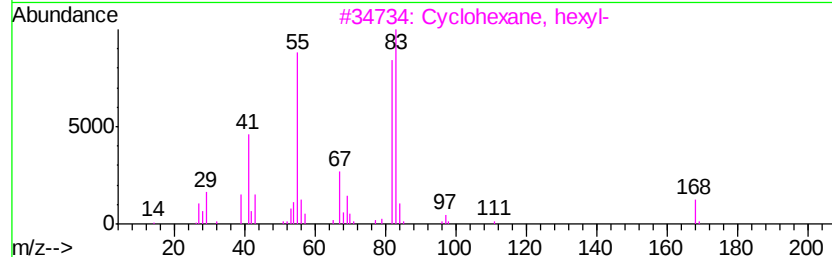
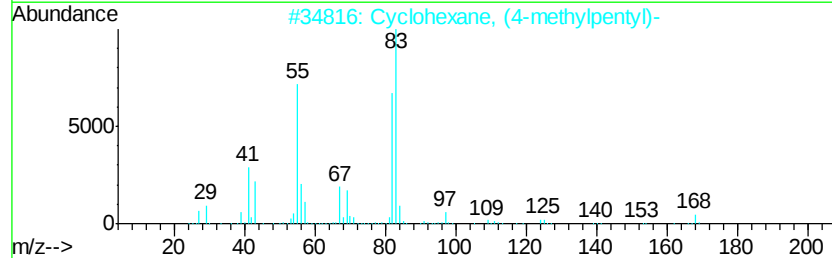
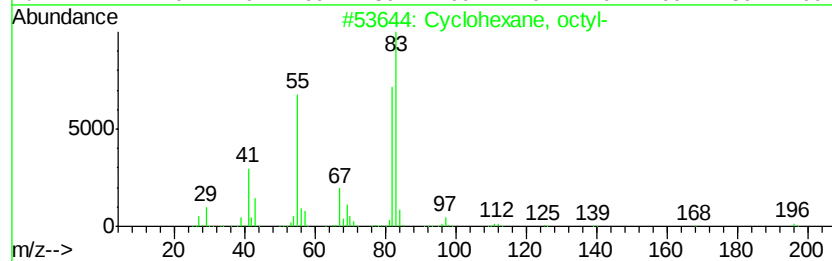
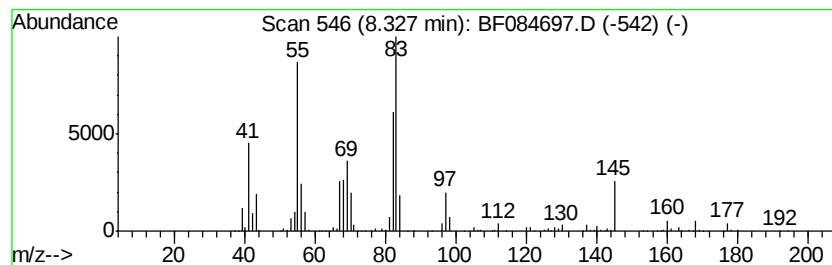
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclohexane, octyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	36.93 ng	7922070	Naphthalene-d8	8.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, octyl-	196	C14H28	001795-15-9	53
2			Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	50
3			Cyclohexane, hexyl-	168	C12H24	004292-75-5	50
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	47
5			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
Data File : BF084697.D
Acq On : 30 Jan 2016 21:44
Operator : SJ/IZ
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Misc :
ALS Vial : 66 Sample Multiplier: 1

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ClientSampleId :
SAMPLE-22-ELECTRICAL

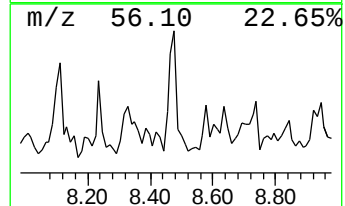
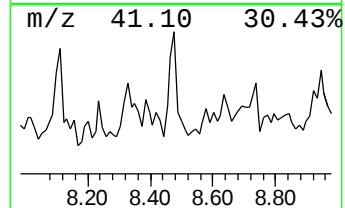
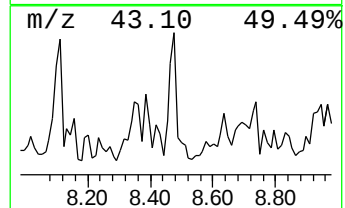
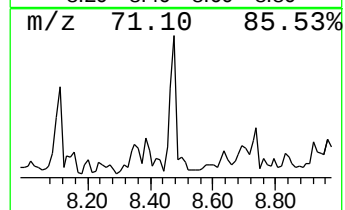
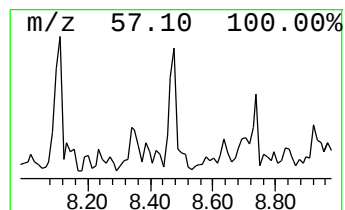
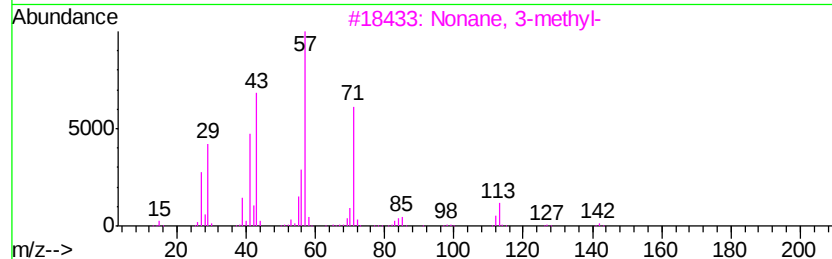
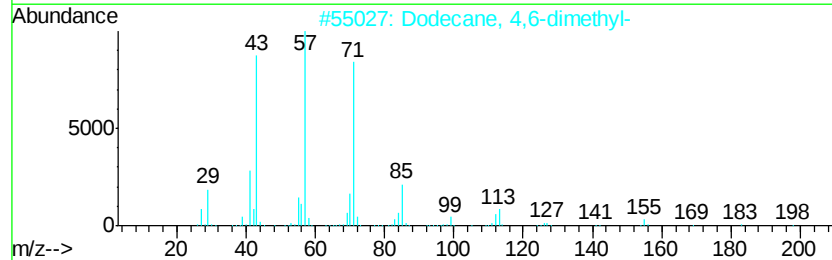
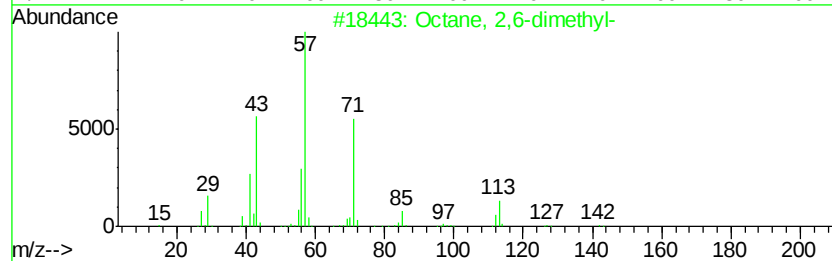
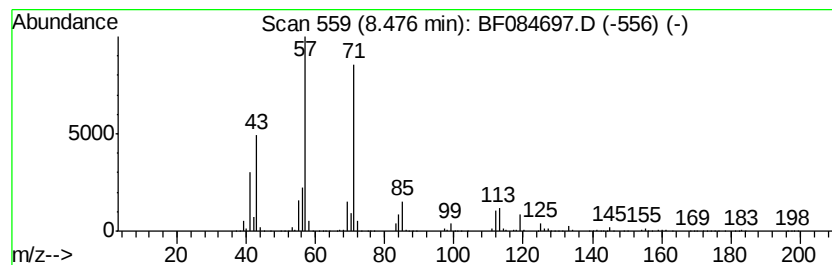
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Octane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	64.73 ng	13884600	Naphthalene-d8	8.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
2		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	74
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	72
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
5		Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
Data File : BF084697.D
Acq On : 30 Jan 2016 21:44
Operator : SJ/IZ
Sample : H1297-01
Misc :
ALS Vial : 66 Sample Multiplier: 1

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ClientSampleId :
SAMPLE-22-ELECTRICAL

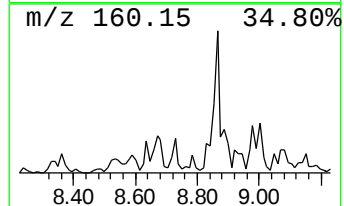
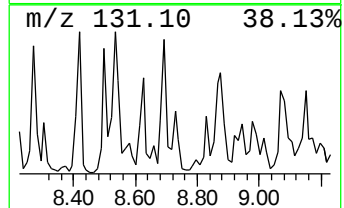
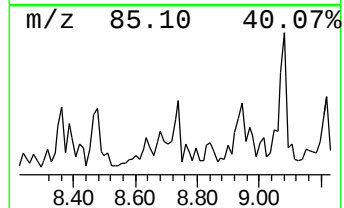
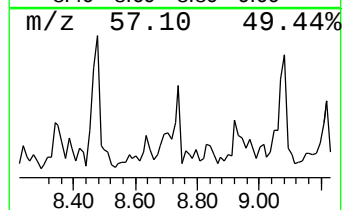
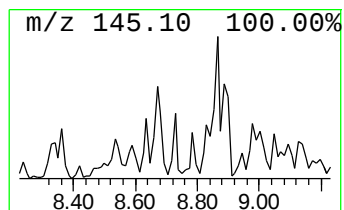
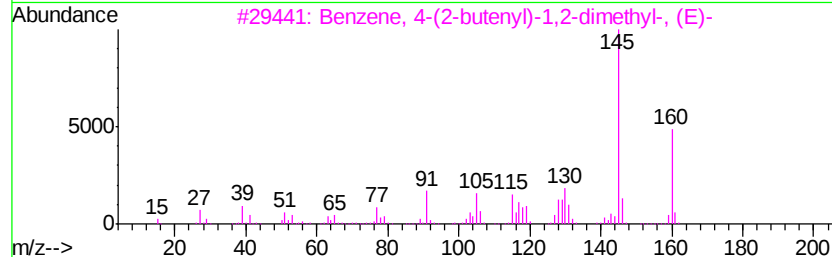
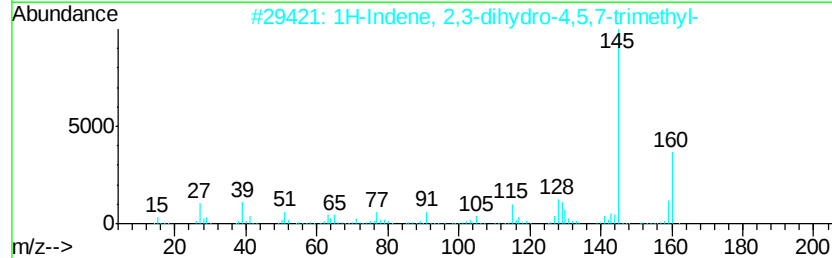
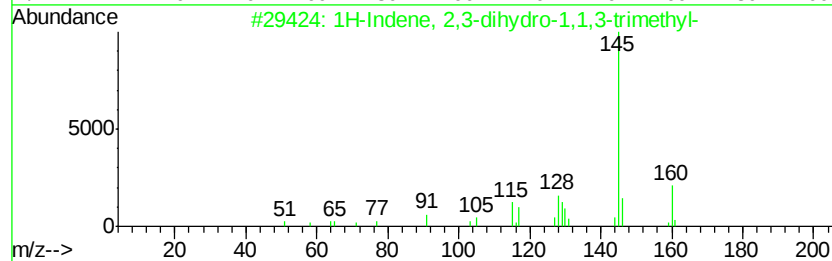
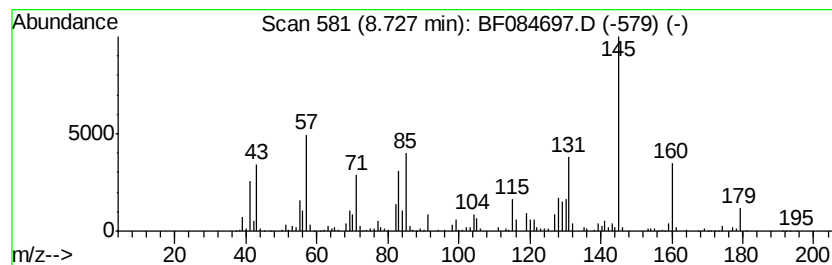
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown8.73 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	35.09 ng	7526730	Naphthalene-d8	8.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	45
2		1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	43
3		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	43
4		1H-Pyrrolo[2,3-b]pyridine, 2-(1-...	160	C10H12N2	027257-18-7	43
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
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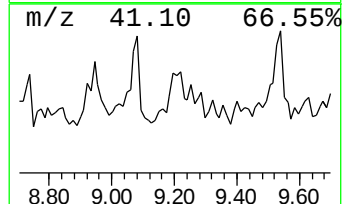
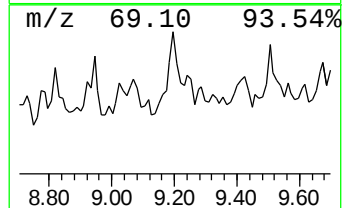
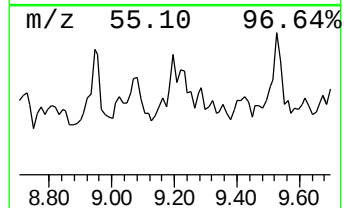
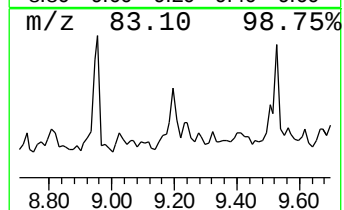
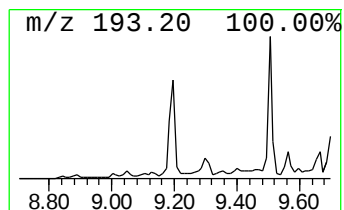
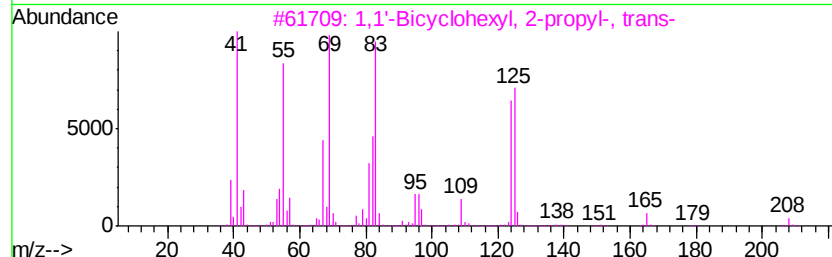
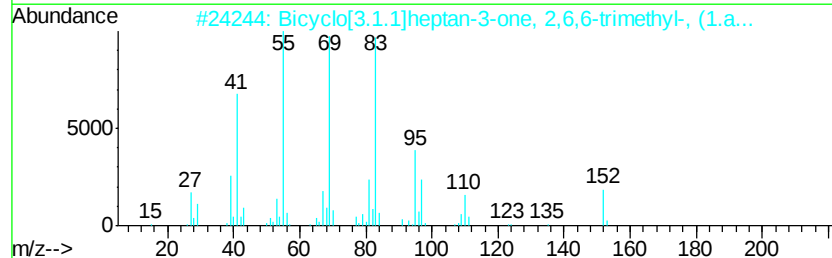
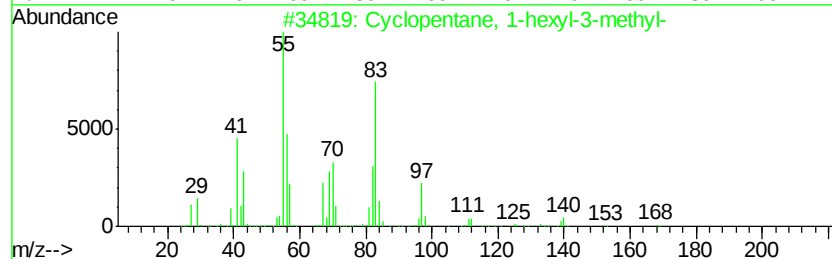
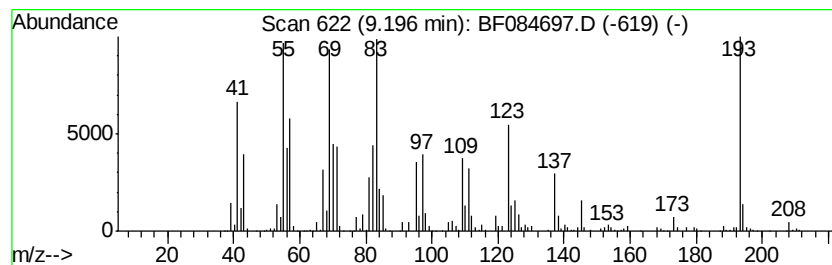
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown9.20 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	33.60 ng	8826080	Acenaphthene-d10	9.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	43
2		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	38
3		1,1'-Bicyclohexyl, 2-propyl-, tr...	208	C15H28	054934-89-3	38
4		Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	27
5		Triallylsilane	152	C9H16Si	001116-62-7	22



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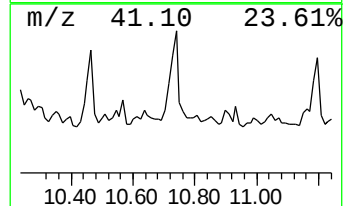
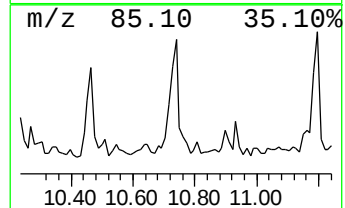
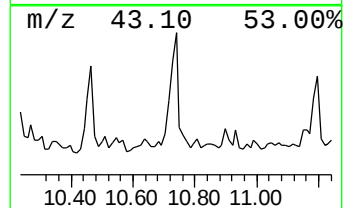
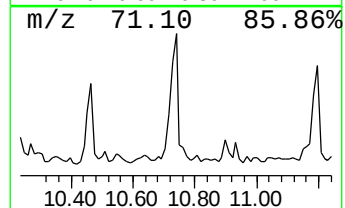
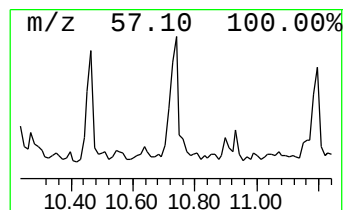
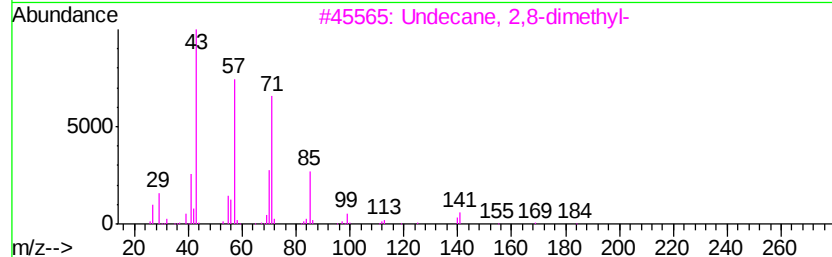
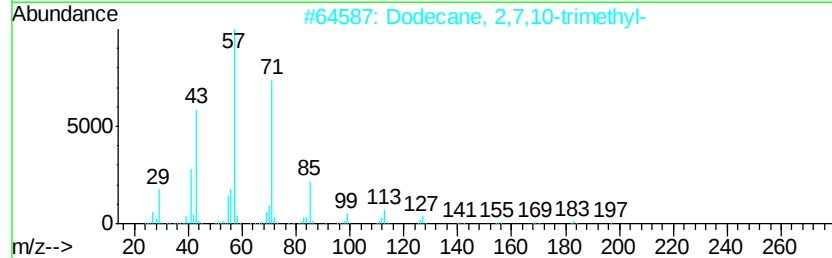
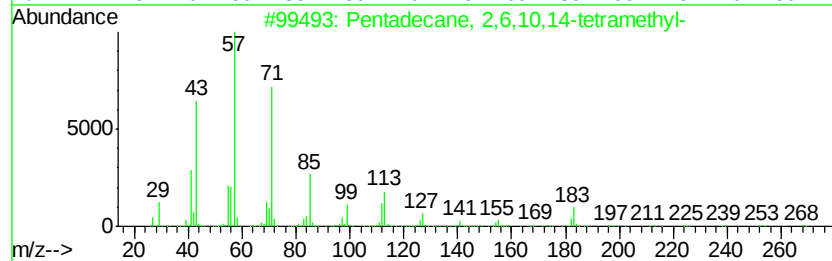
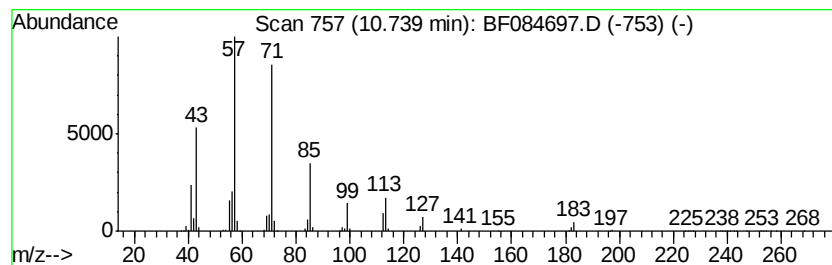
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	225.67 ng	13888800	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	78
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3		Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	72
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
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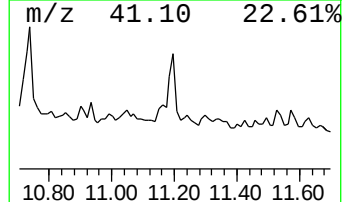
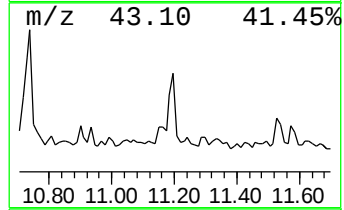
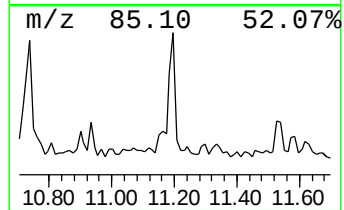
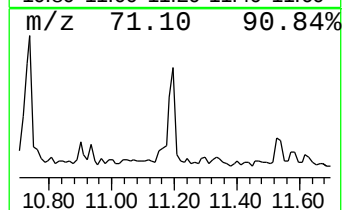
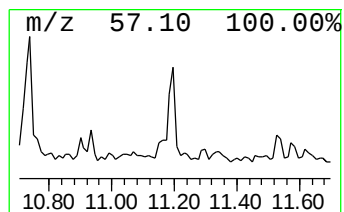
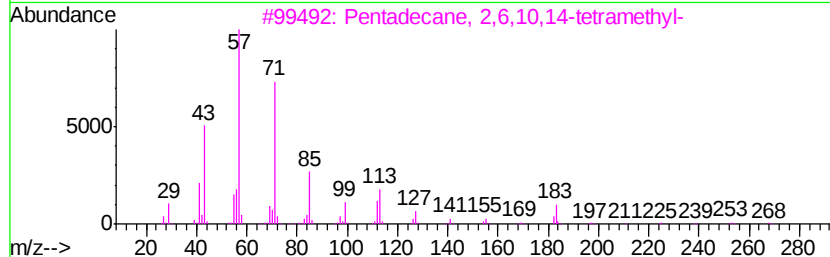
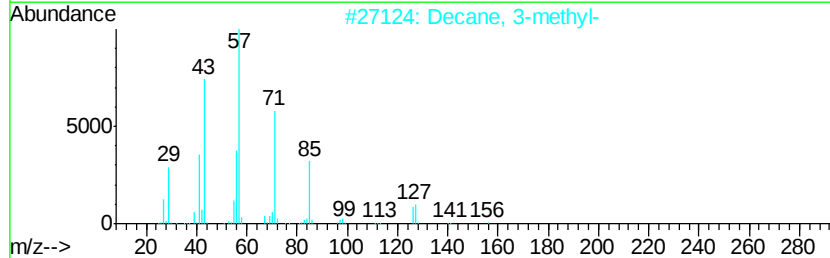
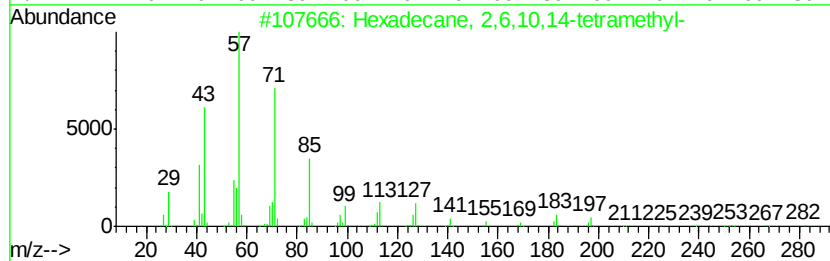
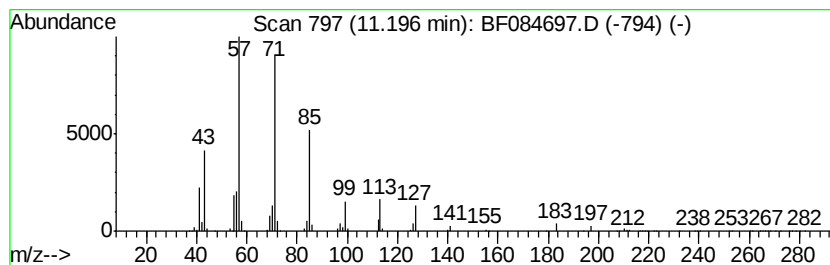
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Hexadecane, 2,6,10,14-tetra... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	154.64 ng	9517070	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78
2		Decane, 3-methyl-	156	C11H24	013151-34-3	68
3		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
4		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64
5		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	64



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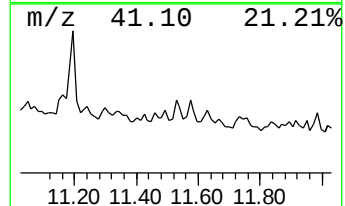
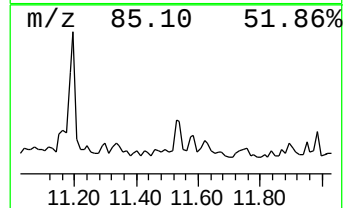
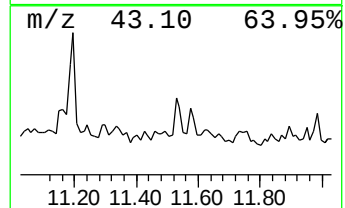
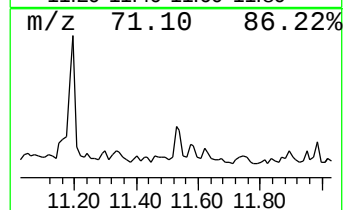
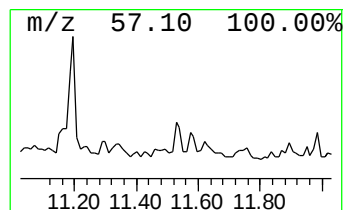
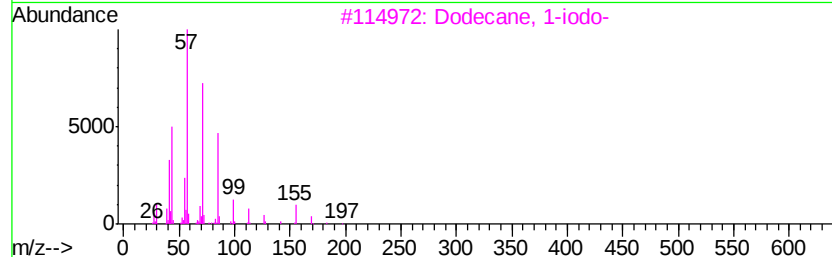
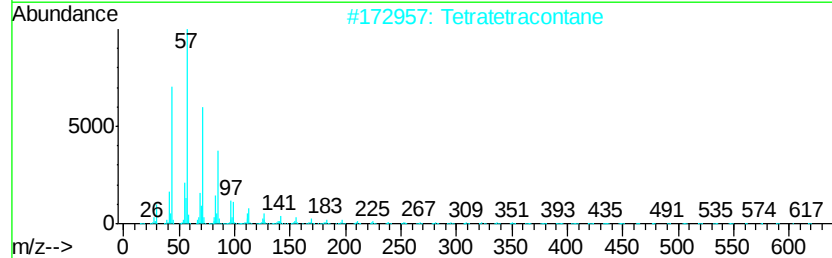
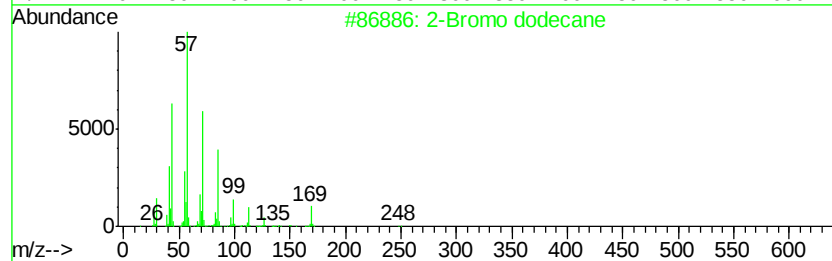
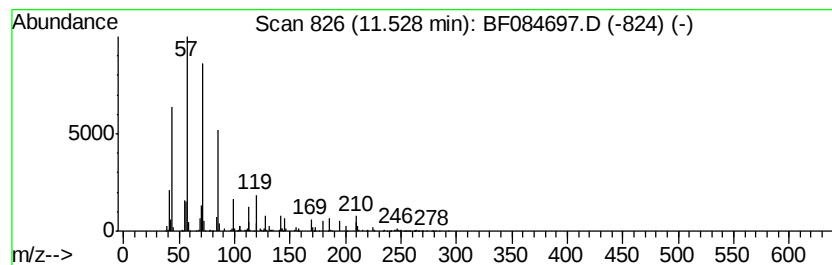
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 2-Bromo dodecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	47.21 ng	2905540	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromo dodecane	248	C12H25Br	013187-99-0	91
2		Tetratetracontane	619	C44H90	007098-22-8	80
3		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
4		Hexadecane	226	C16H34	000544-76-3	80
5		Heneicosane	296	C21H44	000629-94-7	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
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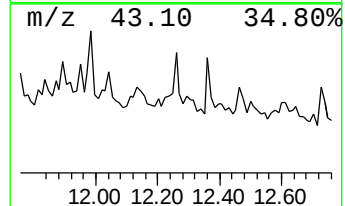
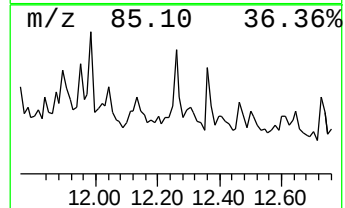
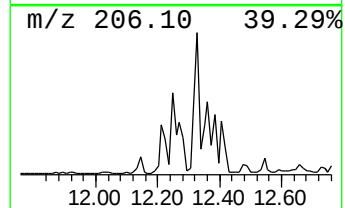
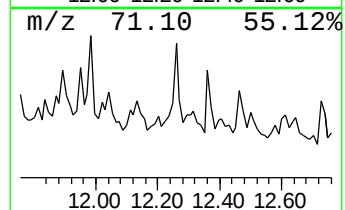
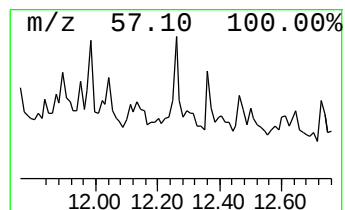
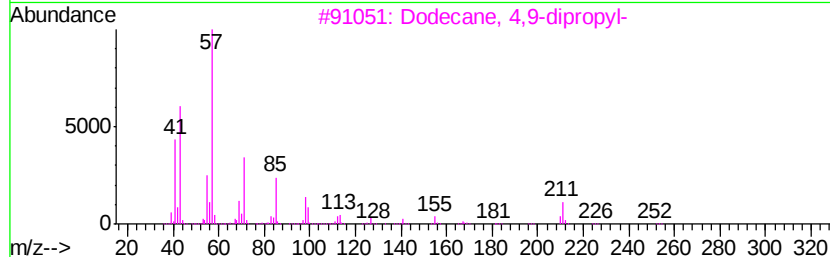
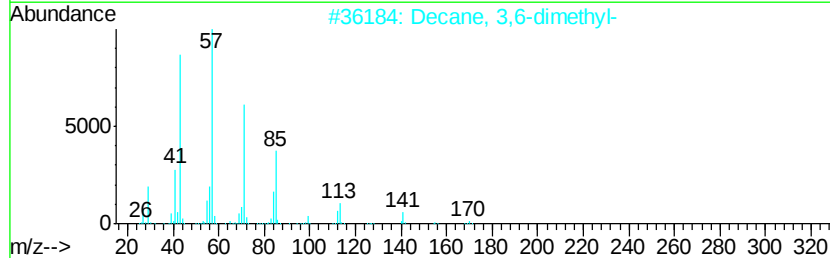
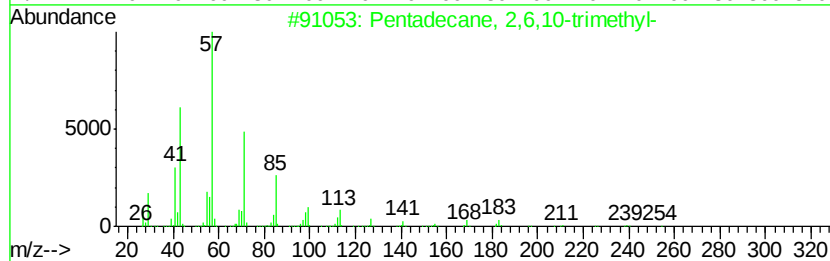
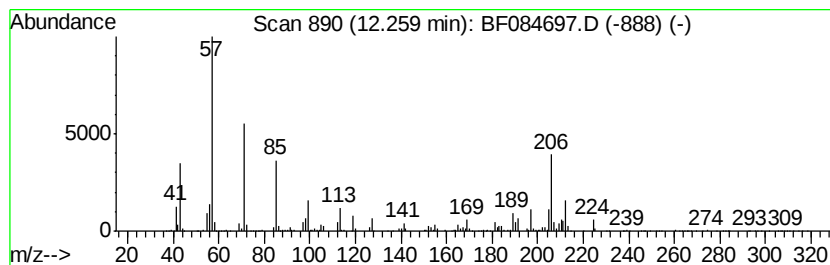
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown12.26 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	54.29 ng	3341350	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	42
2		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	42
3		Dodecane, 4,9-dipropyl-	254	C18H38	003054-63-5	41
4		Docosane	310	C22H46	000629-97-0	38
5		Octadecane	254	C18H38	000593-45-3	38



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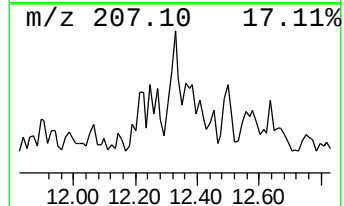
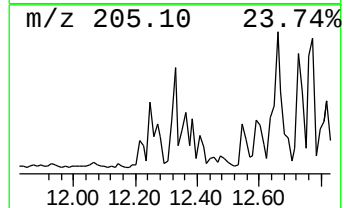
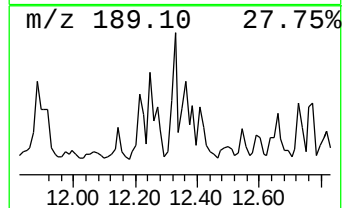
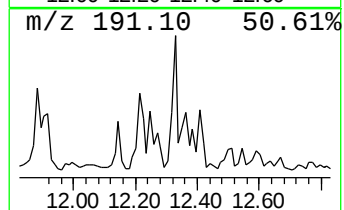
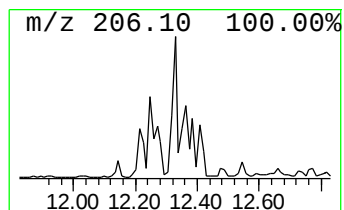
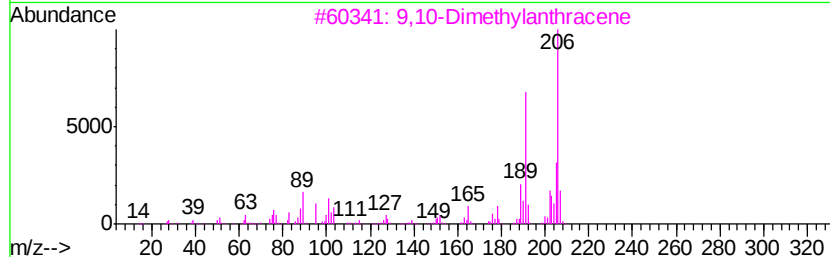
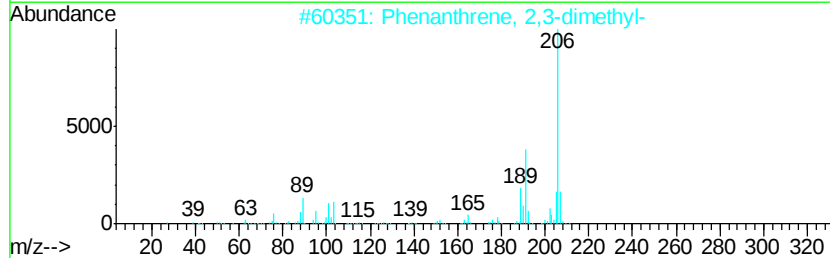
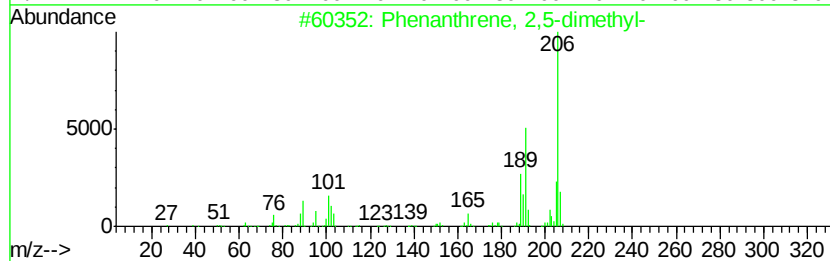
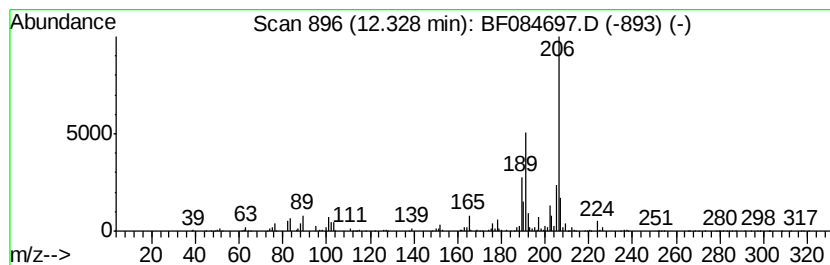
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	44.92 ng	2764670	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
Data File : BF084697.D
Acq On : 30 Jan 2016 21:44
Operator : SJ/IZ
Sample : H1297-01
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-22-ELECTRICAL

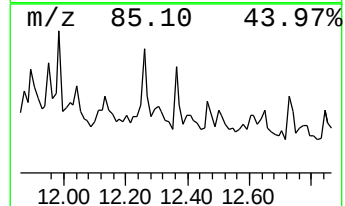
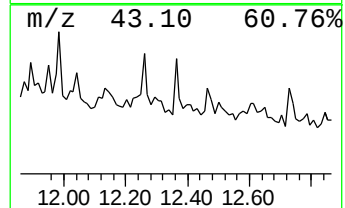
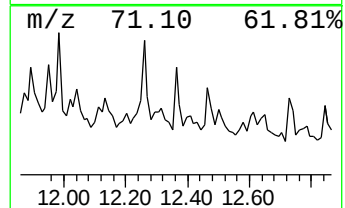
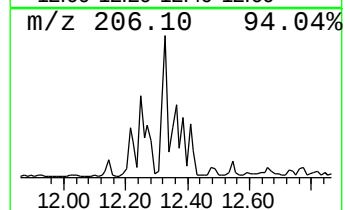
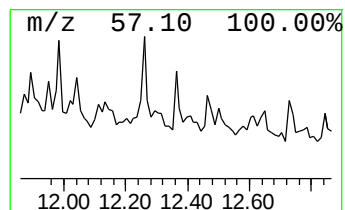
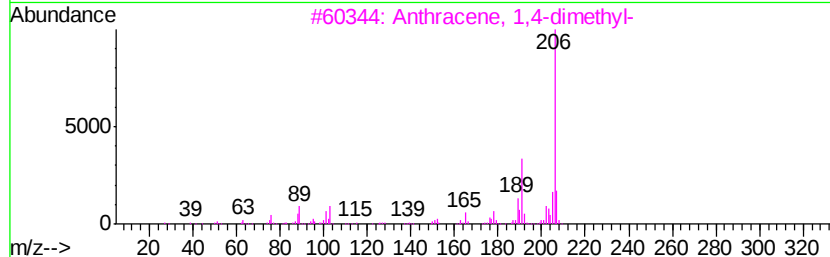
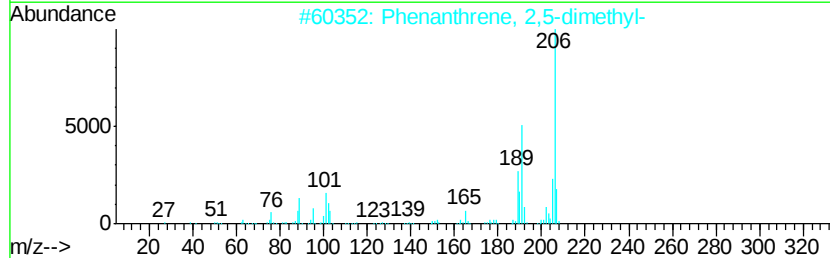
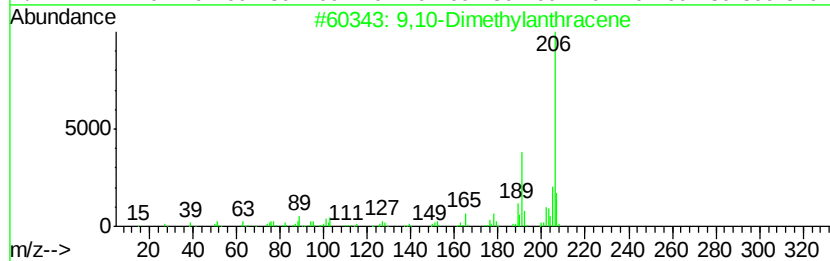
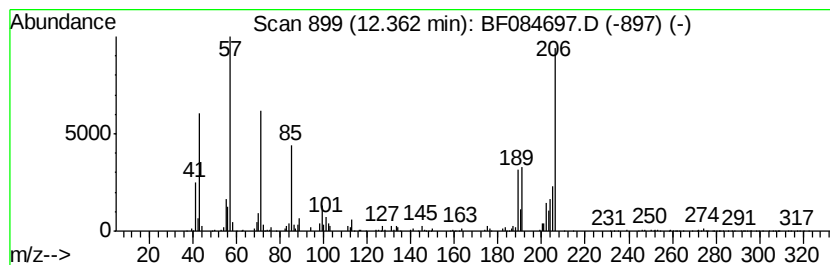
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown12.36 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	31.35 ng	1929480	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	47
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	43
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	43
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
Data File : BF084697.D
Acq On : 30 Jan 2016 21:44
Operator : SJ/IZ
Sample : H1297-01
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-22-ELECTRICAL

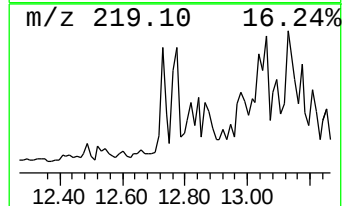
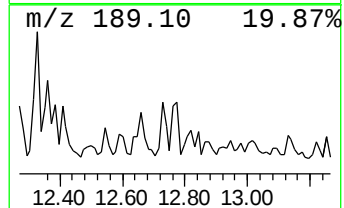
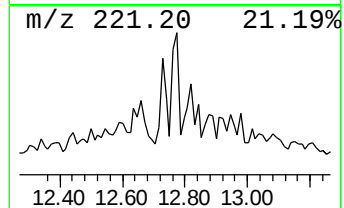
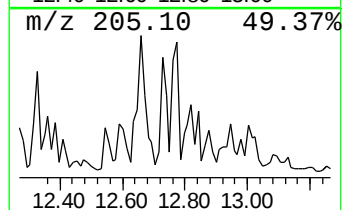
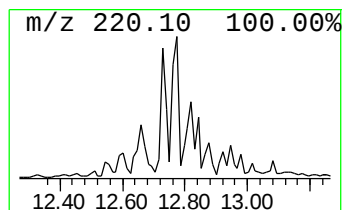
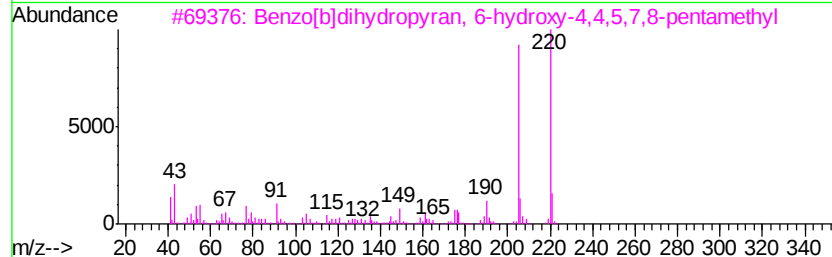
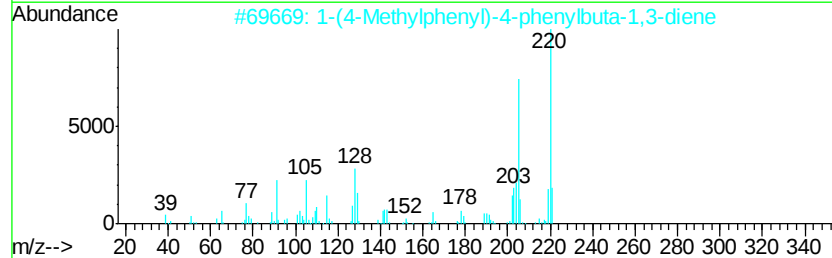
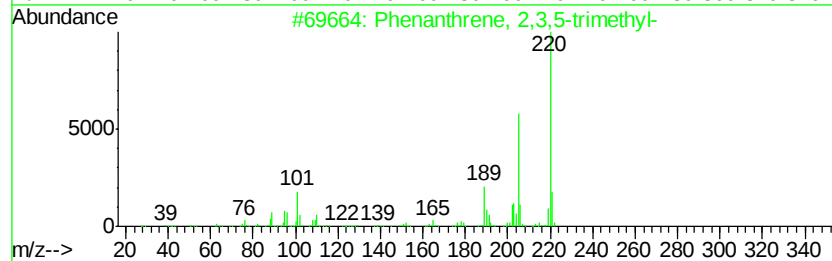
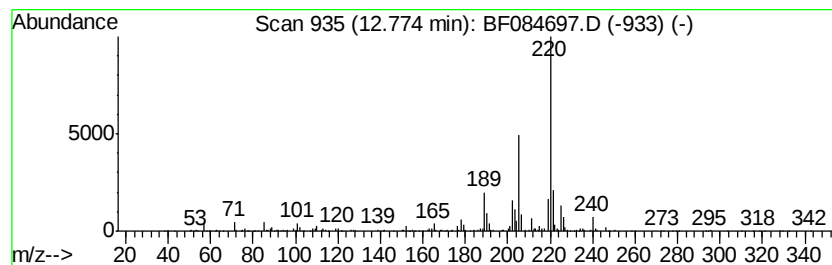
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	34.73 ng	2136780	Chrysene-d12	13.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	93
2		1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	72
3		Benzo[b]dihydroxy-6-hydroxy-...	220	C14H20O2	050442-70-1	53
4		1,4-Dimethoxy-6,7,8,9-tetrahydro...	220	C13H16O3	079381-09-2	47
5		Phenmethylecynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
 Data File : BF084697.D
 Acq On : 30 Jan 2016 21:44
 Operator : SJ/IZ
 Sample : H1297-01
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-22-ELECTRICAL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.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
2-Pentanone, 4-hy...	4.89	52.6	ng	3905780	1	6.73	1485590	20.0
unknown6.50	6.50	81.5	ng	6057730	1	6.73	1485590	20.0
Decane, 5-methyl-	7.02	48.7	ng	3618560	1	6.73	1485590	20.0
unknown7.13	7.13	60.5	ng	4496550	1	6.73	1485590	20.0
unknown7.65	7.65	37.1	ng	7969430	2	8.02	4289830	20.0
Undecane, 3-methyl-	7.84	31.0	ng	6643060	2	8.02	4289830	20.0
Undecane, 2,6-dim...	8.11	39.6	ng	8500140	2	8.02	4289830	20.0
Cyclohexane, 2-bu...	8.24	54.7	ng	11739300	2	8.02	4289830	20.0
Cyclohexane, octyl-	8.33	36.9	ng	7922070	2	8.02	4289830	20.0
Octane, 2,6-dimet...	8.48	64.7	ng	13884600	2	8.02	4289830	20.0
unknown8.73	8.73	35.1	ng	7526730	2	8.02	4289830	20.0
unknown9.20	9.20	33.6	ng	8826080	3	9.79	5254200	20.0
Pentadecane, 2,6,...	10.74	225.7	ng	13888800	4	11.28	1230870	20.0
Hexadecane, 2,6,1...	11.20	154.6	ng	9517070	4	11.28	1230870	20.0
2-Bromo dodecane	11.53	47.2	ng	2905540	4	11.28	1230870	20.0
unknown12.26	12.26	54.3	ng	3341350	4	11.28	1230870	20.0
Phenanthrene, 2,5...	12.33	44.9	ng	2764670	4	11.28	1230870	20.0
unknown12.36	12.36	31.4	ng	1929480	4	11.28	1230870	20.0
Phenanthrene, 2,3...	12.77	34.7	ng	2136780	5	13.88	1230660	20.0