

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092513.D
 Acq On : 26 Jan 2017 9:29
 Operator : SJ/MA
 Sample : I1312-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-02-5-7

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-BF012417.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	3.973	157	165	168	rBV	185737	315082	5.78%	0.284%
2	5.150	266	268	273	rBV	1093691	1801422	33.02%	1.625%
3	5.561	299	304	306	rBV	3467266	3884762	71.21%	3.503%
4	6.213	358	361	364	rBV3	150909	236516	4.34%	0.213%
5	6.396	375	377	384	rBV2	115354	304636	5.58%	0.275%
6	6.499	384	386	391	rBV4	270290	613320	11.24%	0.553%
7	6.590	391	394	397	rVB	3571758	4278060	78.42%	3.858%
8	6.636	397	398	402	rVB4	121093	193954	3.56%	0.175%
9	6.727	402	406	409	rBV	2944720	4458479	81.72%	4.021%
10	6.796	409	412	414	rBV2	178722	261443	4.79%	0.236%
11	6.910	416	422	423	rBV4	108512	361492	6.63%	0.326%
12	6.967	425	427	429	rVB	1242275	1147005	21.02%	1.034%
13	7.024	431	432	434	rBV2	179469	230290	4.22%	0.208%
14	7.082	434	437	438	rBV3	256827	410994	7.53%	0.371%
15	7.127	438	441	442	rVB	2874195	3267002	59.88%	2.946%
16	7.150	442	443	444	rVB	289092	198173	3.63%	0.179%
17	7.196	446	447	449	rBV2	168124	331073	6.07%	0.299%
18	7.242	449	451	453	rVB	486031	596293	10.93%	0.538%
19	7.287	453	455	456	rBV2	225053	261982	4.80%	0.236%
20	7.367	459	462	463	rBV3	583212	629944	11.55%	0.568%
21	7.402	463	465	467	rVB	348062	452148	8.29%	0.408%
22	7.447	467	469	471	rBV3	186961	291920	5.35%	0.263%
23	7.527	471	476	481	rBV2	1857660	4573803	83.84%	4.125%
24	7.619	481	484	486	rVB2	735472	1336837	24.50%	1.206%
25	7.664	486	488	490	rBV2	298047	493474	9.05%	0.445%
26	7.744	490	495	496	rBV4	285760	575852	10.56%	0.519%
27	7.779	496	498	500	rBV	754620	828599	15.19%	0.747%
28	7.882	503	507	510	rBV3	879311	2258687	41.40%	2.037%
29	7.973	512	515	516	rVB2	127312	220225	4.04%	0.199%
30	8.019	516	519	522	rVB4	450316	776693	14.24%	0.700%
31	8.087	522	525	527	rBV2	414685	653559	11.98%	0.589%
32	8.144	527	530	531	rBV2	626511	1097750	20.12%	0.990%
33	8.213	533	536	537	rBV2	554531	1041124	19.08%	0.939%
34	8.259	537	540	542	rBV	1510739	2184452	40.04%	1.970%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.350	547	548	552	rBV4	461070	618587	11.34%	0.558%
36	8.419	552	554	555	rBV2	416020	550485	10.09%	0.496%
37	8.464	557	558	562	rVB2	817622	1347914	24.71%	1.216%
38	8.556	562	566	568	rBV	1694950	2557367	46.88%	2.306%
39	8.613	570	571	572	rBV	433723	379781	6.96%	0.342%
40	8.647	572	574	576	rVB2	510261	660330	12.10%	0.595%
41	8.693	576	578	580	rBV	4639195	5432640	99.58%	4.899%
42	8.773	583	585	586	rBV	659248	643759	11.80%	0.581%
43	8.807	586	588	591	rBV3	904078	1677222	30.74%	1.513%
44	8.865	591	593	595	rVB2	306735	430325	7.89%	0.388%
45	9.013	604	606	608	rBV2	510567	918255	16.83%	0.828%
46	9.047	608	609	611	rBV2	540712	969735	17.78%	0.874%
47	9.185	617	621	622	rVB3	1248998	2158562	39.57%	1.947%
48	9.265	622	628	629	rBV4	473446	1216843	22.30%	1.097%
49	9.299	629	631	633	rVV	4322324	4587346	84.09%	4.137%
50	9.345	633	635	638	rVB	3390268	3243988	59.46%	2.925%
51	9.425	640	642	645	rBV2	991384	1933750	35.45%	1.744%
52	9.550	651	653	654	rVB	430776	536155	9.83%	0.483%
53	9.619	654	659	660	rBV3	701798	1379982	25.29%	1.244%
54	9.756	668	671	672	rBV2	4074589	5455599	100.00%	4.920%
55	9.779	672	673	676	rVB3	327546	533025	9.77%	0.481%
56	9.893	681	683	685	rVB2	435358	634659	11.63%	0.572%
57	9.939	685	687	688	rBV	844556	839590	15.39%	0.757%
58	9.973	688	690	691	rVB	323361	338455	6.20%	0.305%
59	10.030	691	695	696	rBV2	1362095	2157091	39.54%	1.945%
60	10.065	696	698	699	rBV	384834	351025	6.43%	0.317%
61	10.133	703	704	706	rVB2	370532	306314	5.61%	0.276%
62	10.179	706	708	710	rBV3	172175	340280	6.24%	0.307%
63	10.225	710	712	714	rVV	806032	838958	15.38%	0.757%
64	10.282	715	717	719	rVB3	616641	878018	16.09%	0.792%
65	10.396	726	727	729	rVB	324585	331719	6.08%	0.299%
66	10.430	729	730	733	rVV3	275794	538373	9.87%	0.485%
67	10.488	733	735	736	rVV	254277	274421	5.03%	0.247%
68	10.568	740	742	745	rBV2	376846	519913	9.53%	0.469%
69	10.682	749	752	754	rBV	1760105	1872629	34.32%	1.689%
70	10.728	754	756	758	rVB2	222544	273046	5.00%	0.246%
71	10.819	760	764	765	rBV3	1497820	2222849	40.74%	2.005%

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72	10.842	765	766	769	rVB3	124645	228998	4.20%	0.207%
73	10.945	772	775	779	rVB	2262645	2362037	43.30%	2.130%
74	11.379	809	813	814	rBV2	224199	257918	4.73%	0.233%
75	11.413	814	816	818	rVB2	565148	655227	12.01%	0.591%
76	11.516	822	825	829	rBV2	1013883	2136552	39.16%	1.927%
77	11.585	829	831	832	rVB	241868	193321	3.54%	0.174%
78	11.802	848	850	852	rVV	190147	220422	4.04%	0.199%
79	12.042	869	871	873	rVV	448984	428507	7.85%	0.386%
80	12.122	876	878	882	rVB3	273104	461155	8.45%	0.416%
81	12.499	909	911	914	rVV3	113198	244135	4.47%	0.220%
82	12.568	914	917	918	rVV	158832	220520	4.04%	0.199%
83	12.636	921	923	927	rVB	260496	364057	6.67%	0.328%
84	12.728	929	931	933	rVV	978188	1084920	19.89%	0.978%
85	12.956	947	951	952	rBV2	955611	1127551	20.67%	1.017%
86	13.105	961	964	966	rVB	2399398	2872501	52.65%	2.590%
87	13.174	968	970	973	rBV4	100524	193337	3.54%	0.174%
88	13.345	983	985	986	rBV2	153332	196836	3.61%	0.178%
89	13.379	986	988	992	rVB3	187069	330191	6.05%	0.298%
90	13.996	1040	1042	1045	rVB2	366897	477242	8.75%	0.430%
91	14.145	1052	1055	1061	rVB4	1001233	2137470	39.18%	1.928%
92	15.197	1144	1147	1152	rVB	342644	734363	13.46%	0.662%
93	15.505	1171	1174	1177	rBV	207953	330594	6.06%	0.298%
94	15.562	1177	1179	1182	rVV	349050	459499	8.42%	0.414%
95	15.631	1182	1185	1196	rVB	709605	1335799	24.48%	1.205%
96	16.168	1230	1232	1237	rVB3	85115	195629	3.59%	0.176%
97	16.351	1246	1248	1255	rVB4	96525	270094	4.95%	0.244%
98	16.797	1285	1287	1294	rVB2	90490	210696	3.86%	0.190%
99	17.105	1311	1314	1319	rVB2	166511	353805	6.49%	0.319%
100	17.551	1350	1353	1361	rVB	126130	291160	5.34%	0.263%

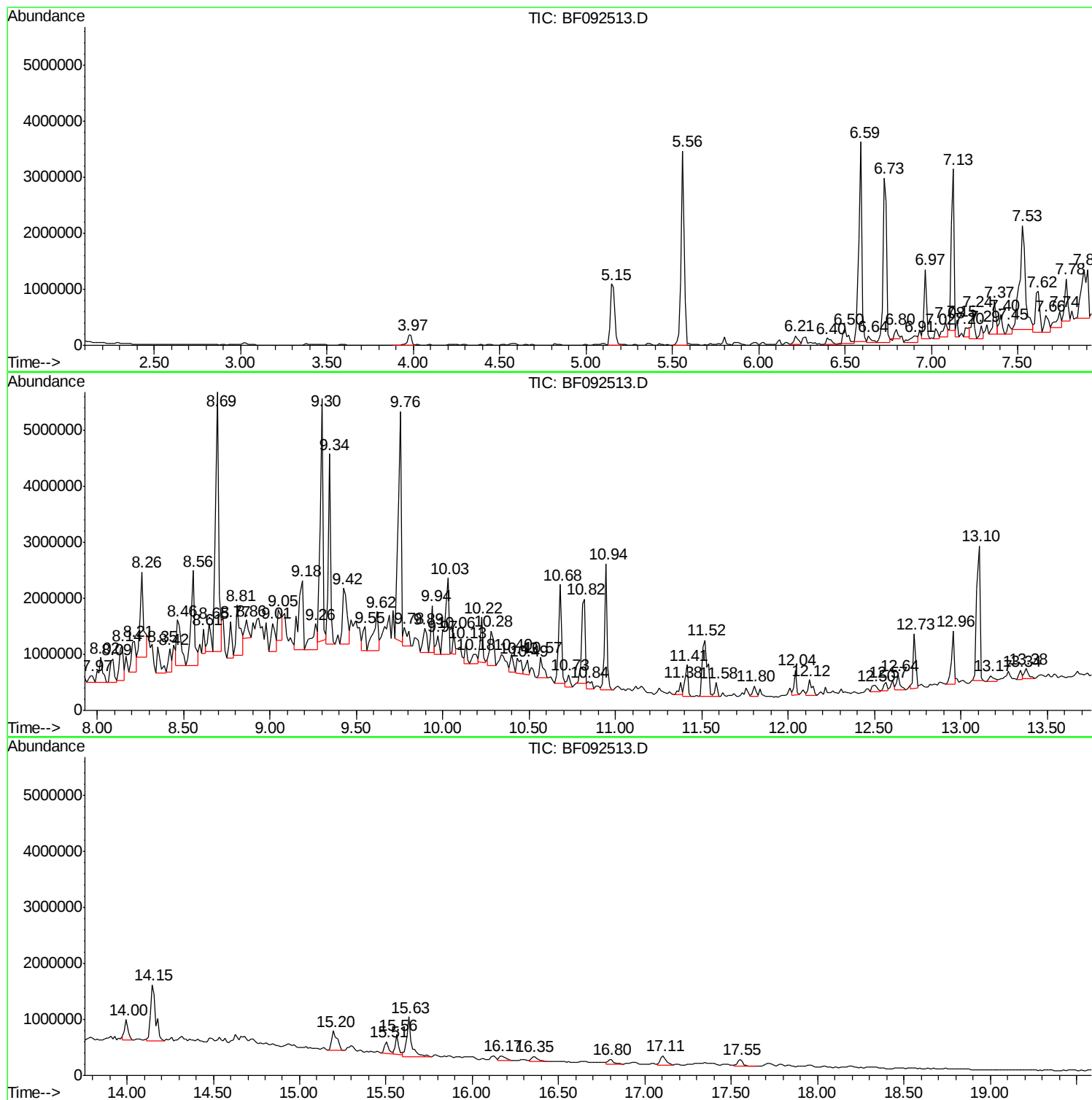
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TIC Library : C:\DATABASE\NIST02.L
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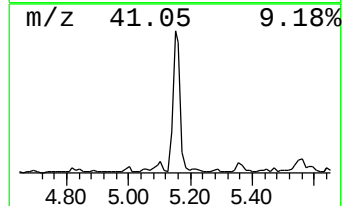
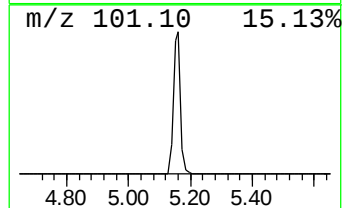
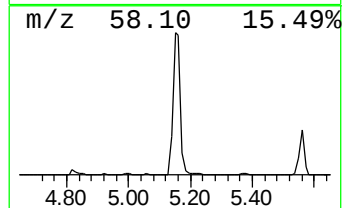
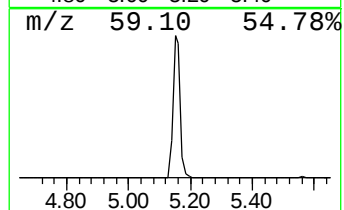
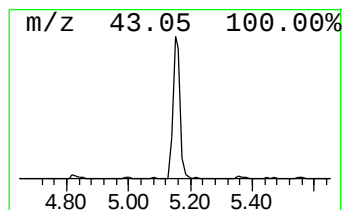
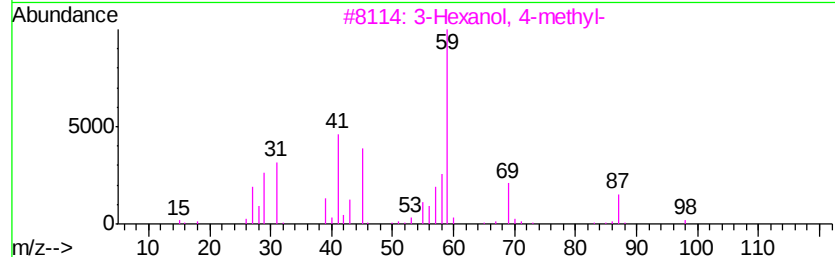
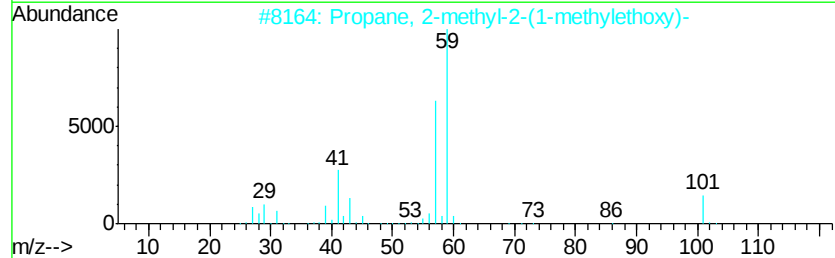
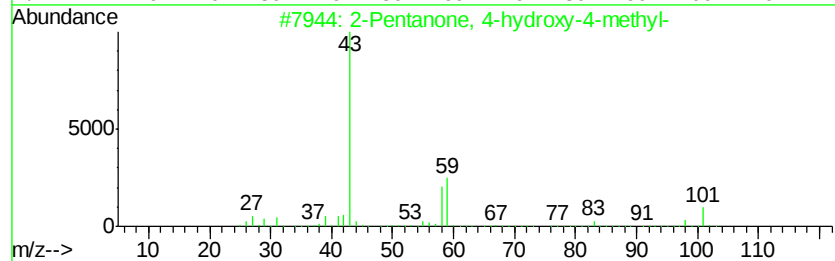
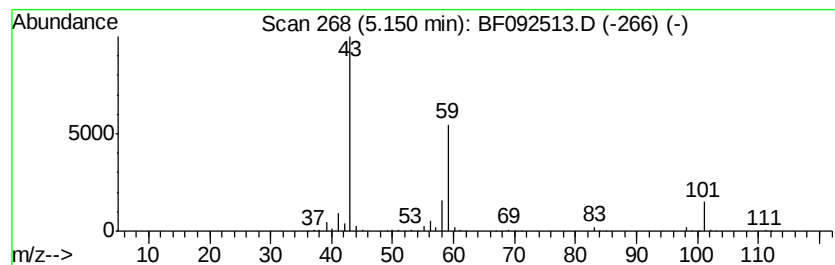
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	31.41 ng	1801420	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	32
5			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28



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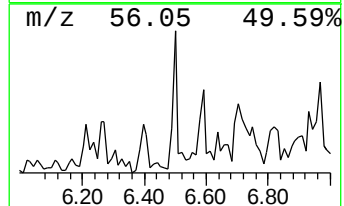
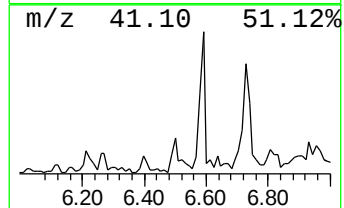
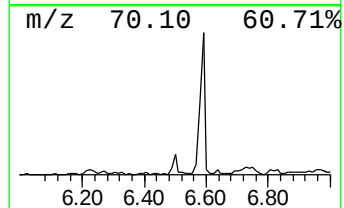
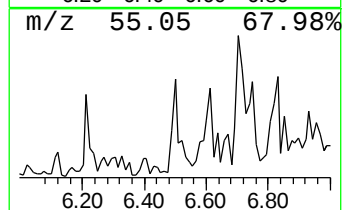
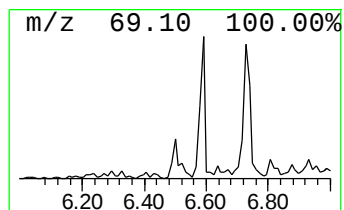
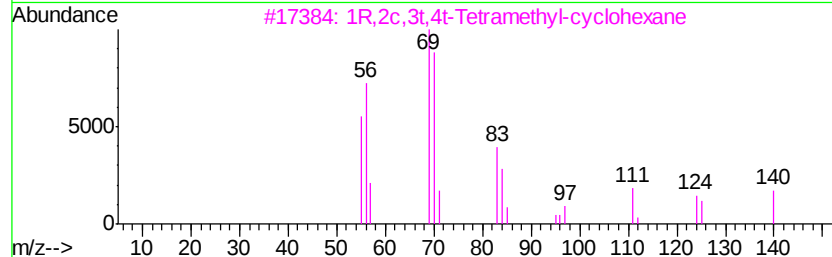
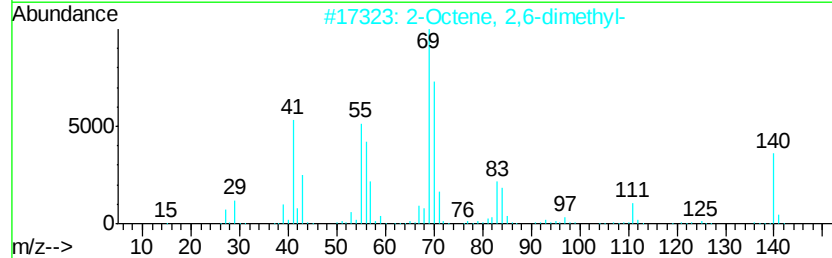
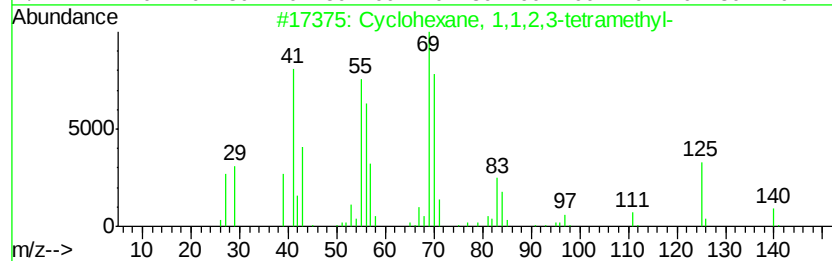
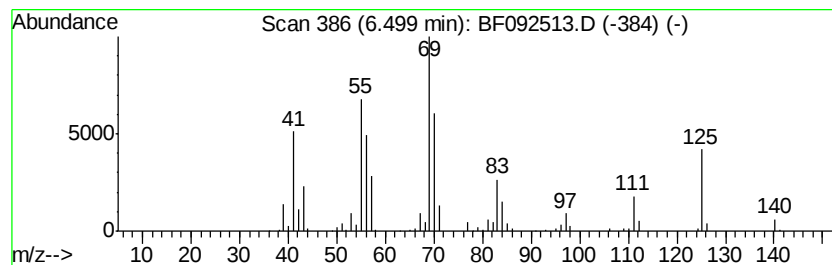
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	10.69 ng	613320	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	87
2			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	59
3			1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	49
4			2-Methyl-2-octene	126	C9H18	016993-86-5	46
5			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46



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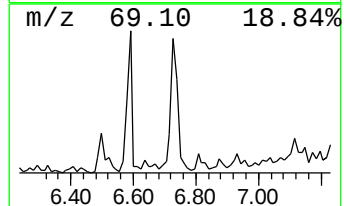
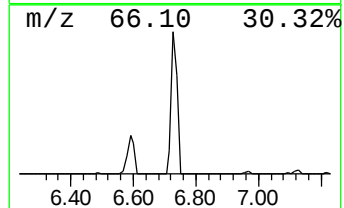
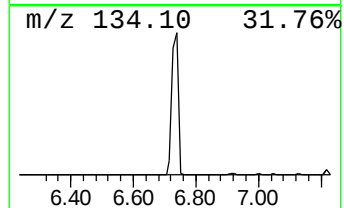
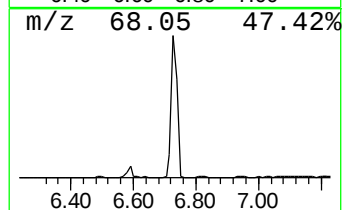
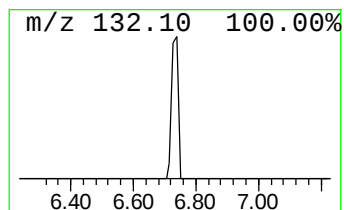
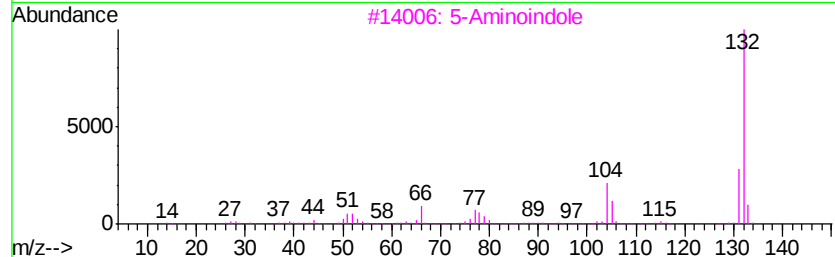
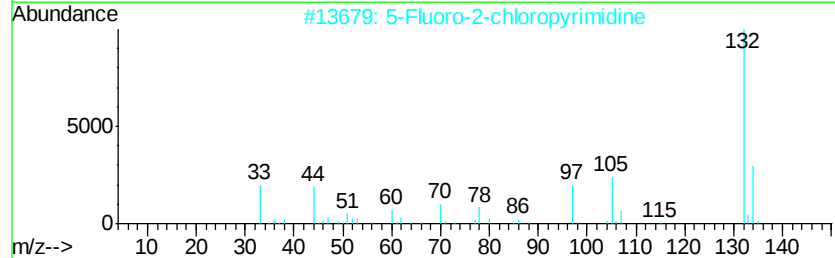
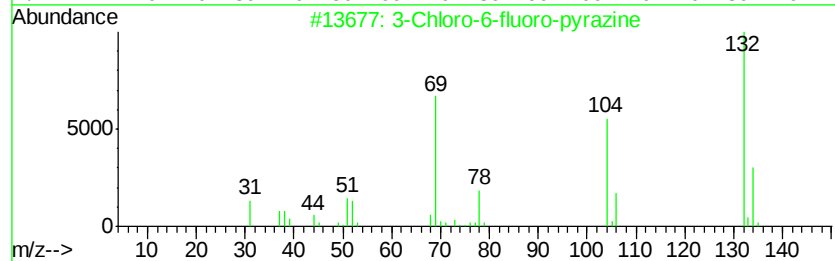
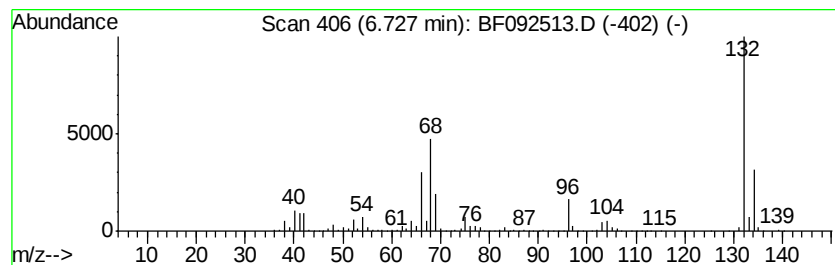
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Peak Number 3 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	77.74 ng	4458480	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092513.D
Acq On : 26 Jan 2017 9:29
Operator : SJ/MA
Sample : I1312-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CAS-SB-02-5-7

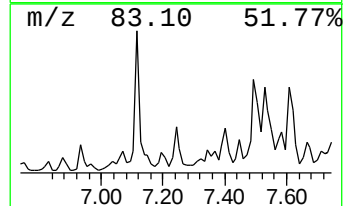
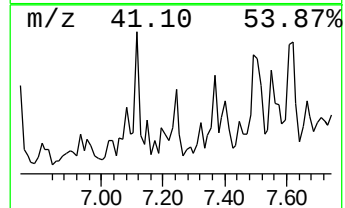
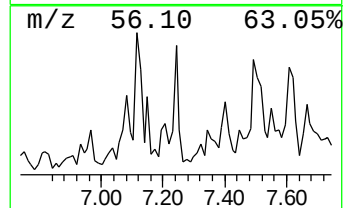
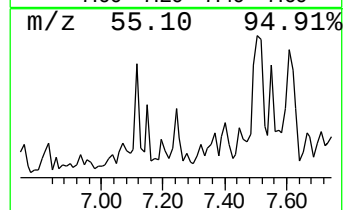
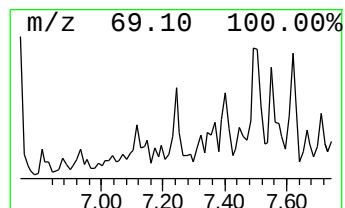
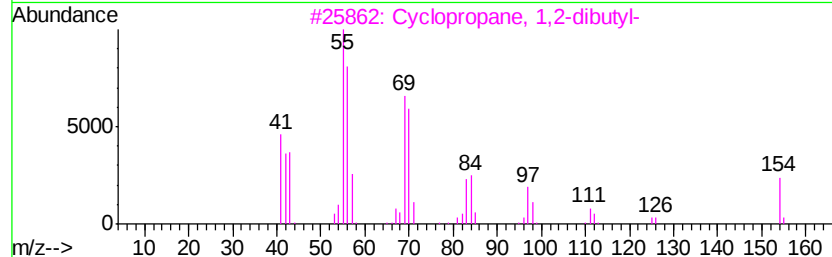
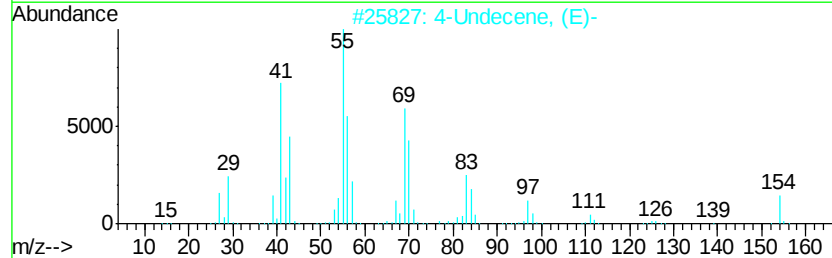
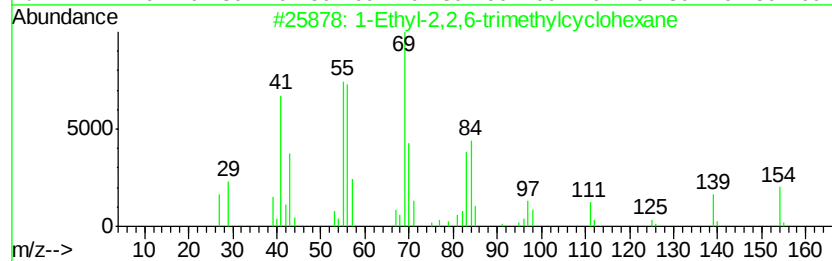
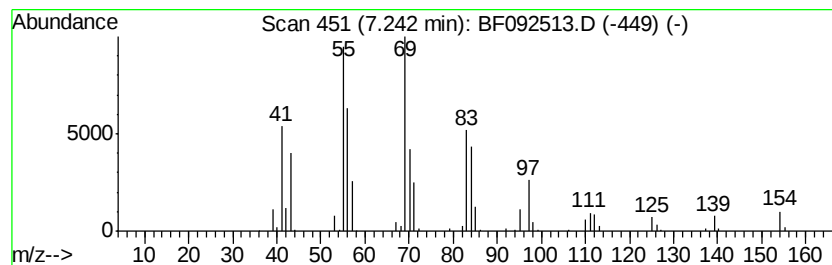
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.24	10.40 ng	596293	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	83
2		4-Undecene, (E)-	154	C11H22	000693-62-9	68
3		Cyclopropane, 1,2-dibutyl-	154	C11H22	041977-32-6	62
4		Cyclopentane, hexyl-	154	C11H22	004457-00-5	58
5		5-Undecene	154	C11H22	004941-53-1	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092513.D
Acq On : 26 Jan 2017 9:29
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ClientSampleId :
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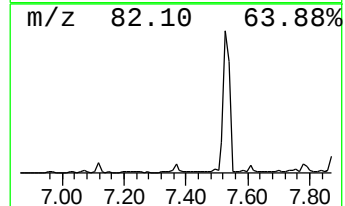
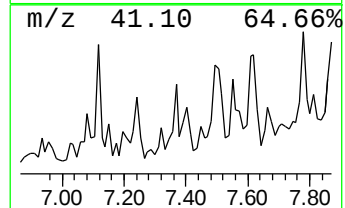
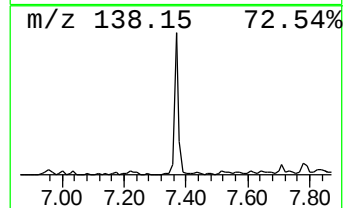
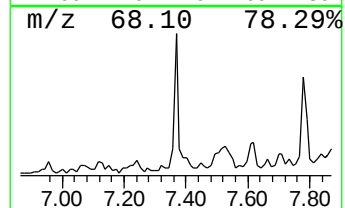
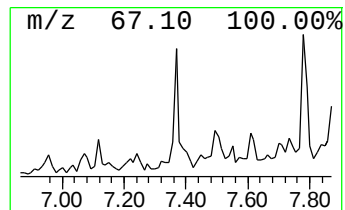
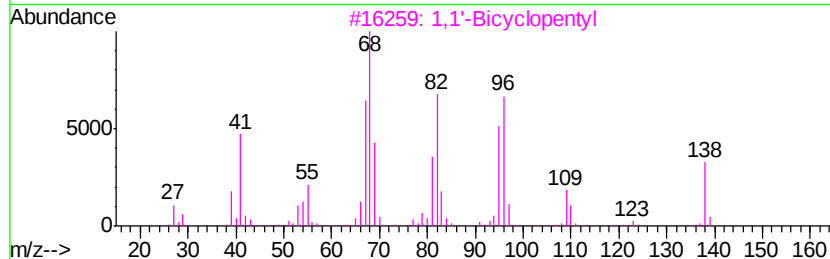
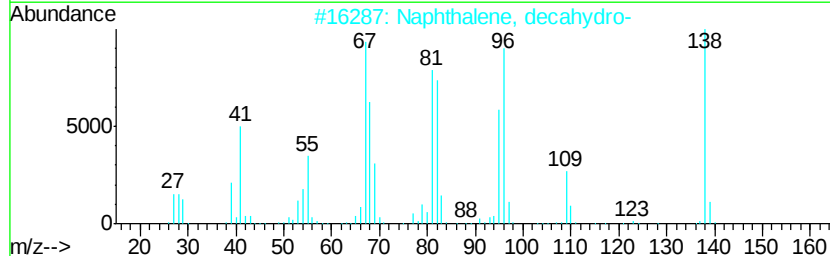
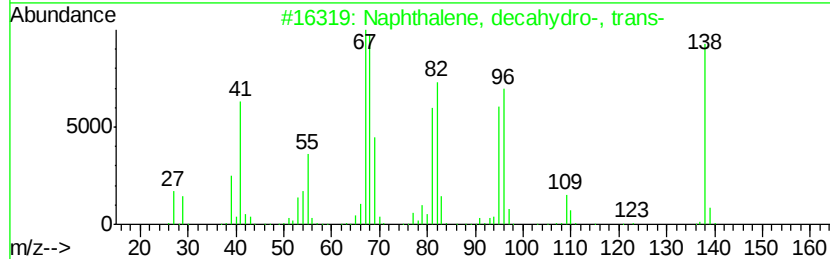
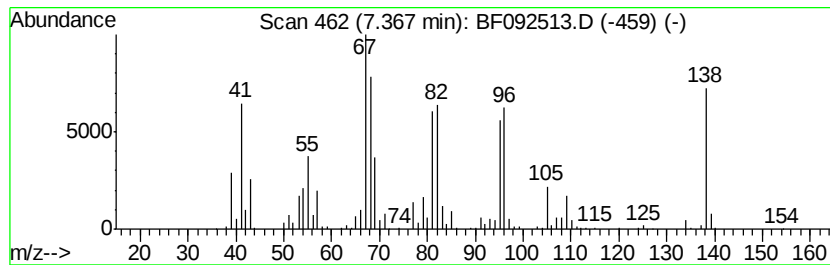
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, decahydro-, tr... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	10.98 ng	629944	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3		1,1'-Bicyclopentyl	138	C10H18	001636-39-1	76
4		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	64
5		Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
Data File : BF092513.D
Acq On : 26 Jan 2017 9:29
Operator : SJ/MA
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Misc :
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Instrument :
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ClientSampleId :
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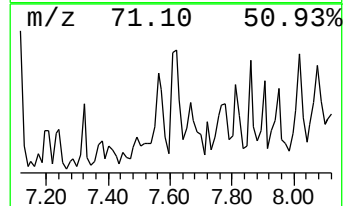
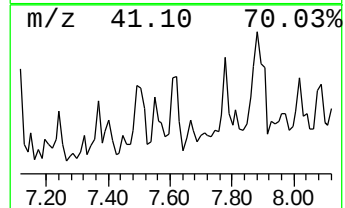
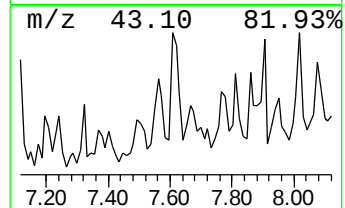
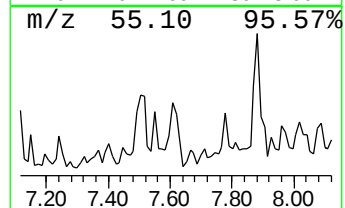
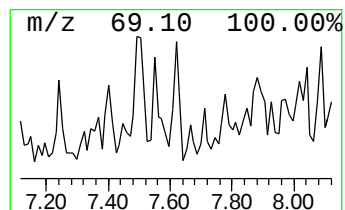
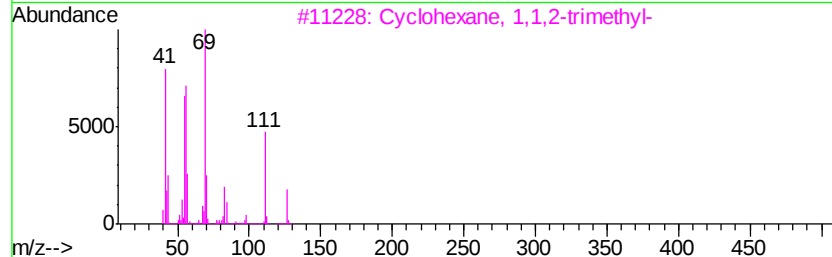
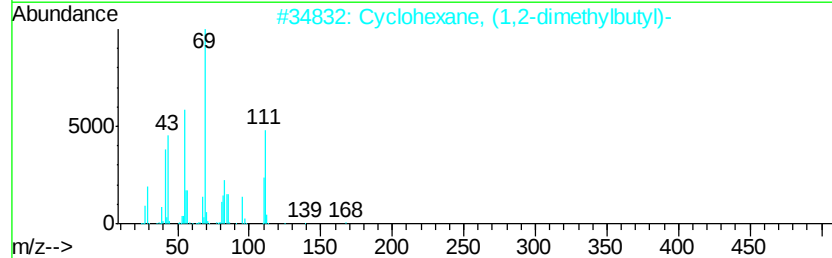
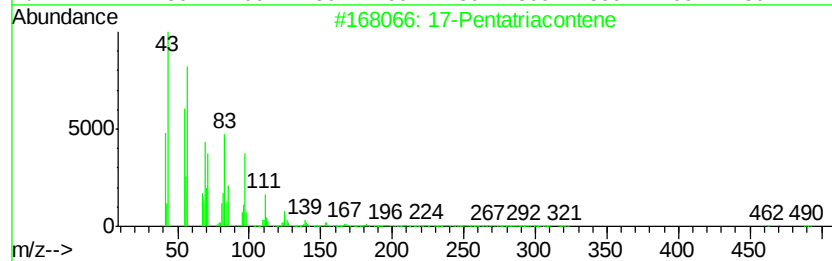
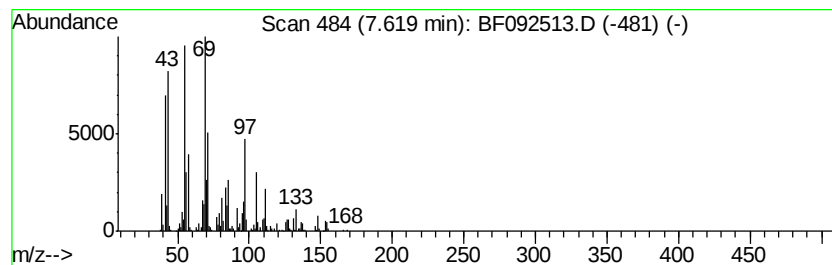
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown7.62 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	12.24 ng	1336840	Naphthalene-d8	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	17-Pentatriacontene	491	C35H70	006971-40-0	47
2		Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	45
3		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	42
4		1-Undecene, 7-methyl-	168	C12H24	074630-42-5	35
5		1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
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Acq On : 26 Jan 2017 9:29
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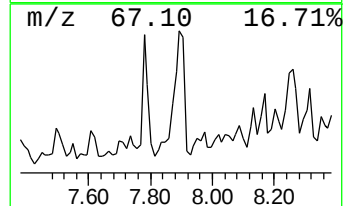
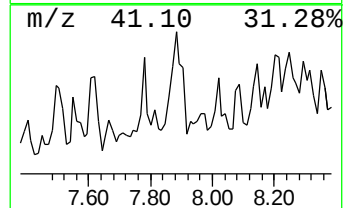
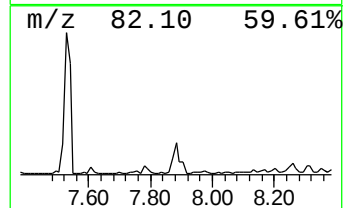
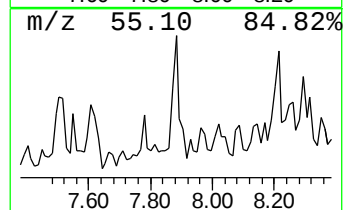
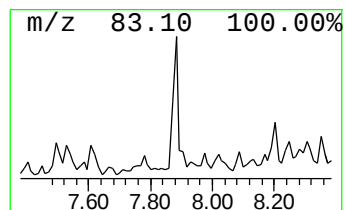
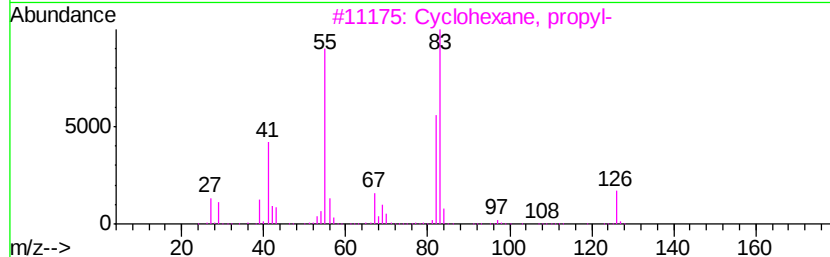
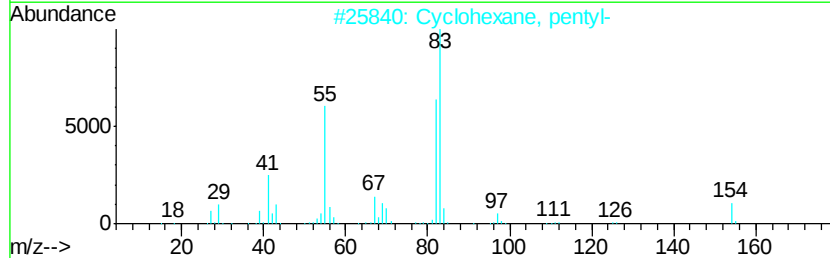
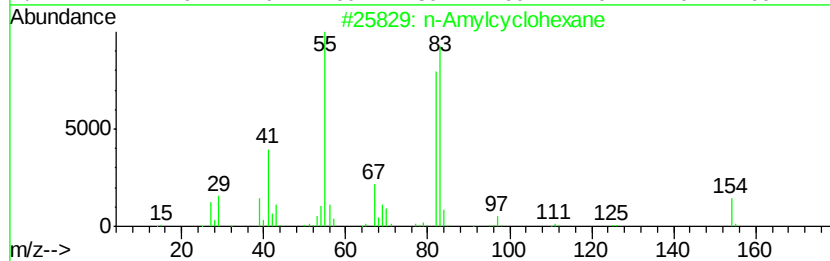
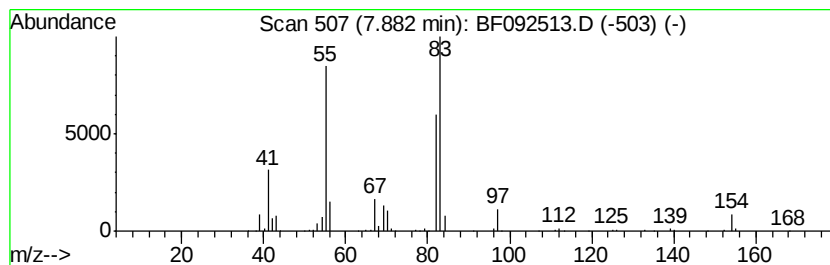
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 n-Amylcyclohexane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
7.88	20.68 ng	2258690	Napthalene-d8	8.26	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Amvlcvclohexane	154	C11H22	029949-27-7	91
2	Cvclohexane, pentyl-	154	C11H22	004292-92-6	91
3	Cvclohexane, propyl-	126	C9H18	001678-92-8	78
4	Cvclohexane, butyl-	140	C10H20	001678-93-9	78
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092513.D
Acq On : 26 Jan 2017 9:29
Operator : SJ/MA
Sample : I1312-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

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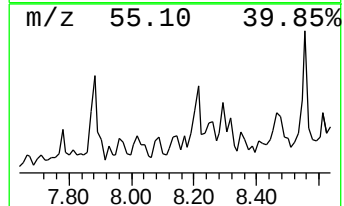
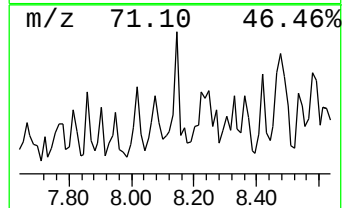
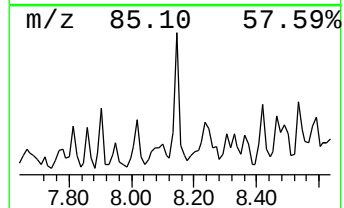
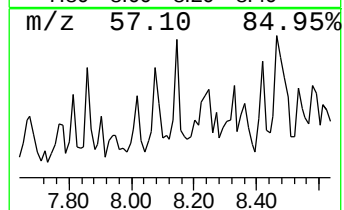
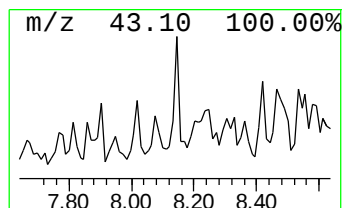
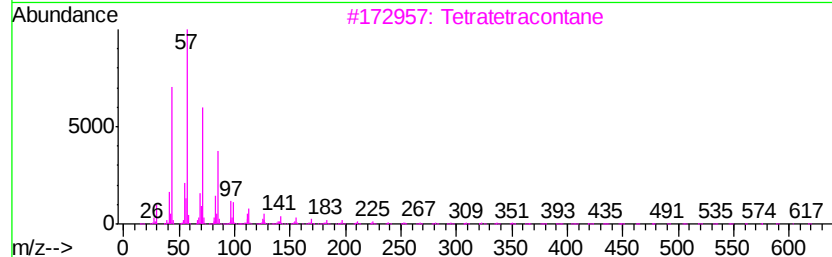
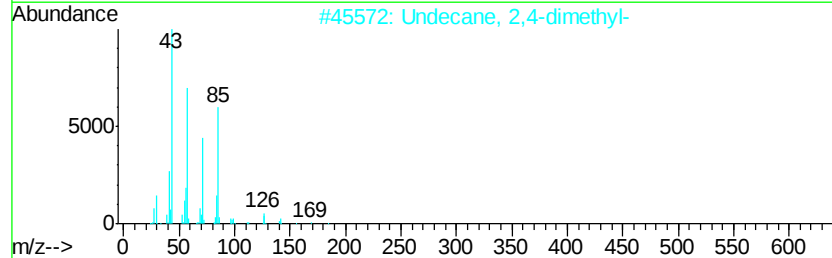
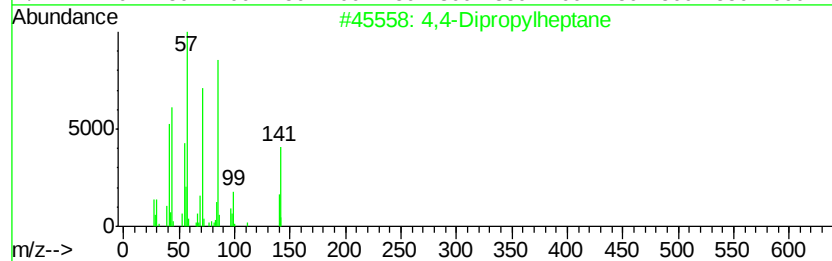
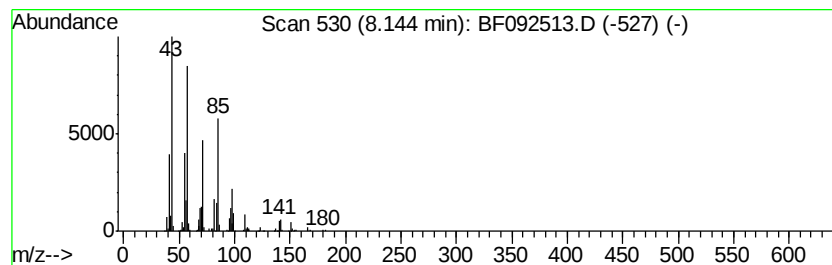
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4,4-Dipropylheptane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.14	10.05 ng	1097750	Napthalene-d8	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4-Dipropylheptane	184	C13H28	017312-72-0	59
2		Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	53
3		Tetratetracontane	619	C44H90	007098-22-8	50
4		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	49
5		Eicosane	282	C20H42	000112-95-8	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092513.D
Acq On : 26 Jan 2017 9:29
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ClientSampleId :
CAS-SB-02-5-7

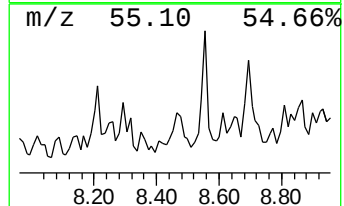
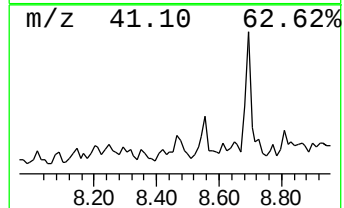
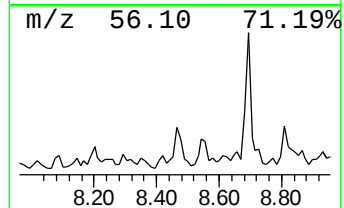
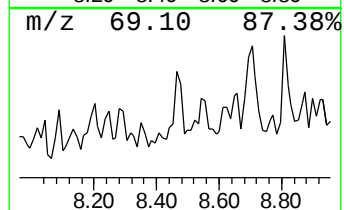
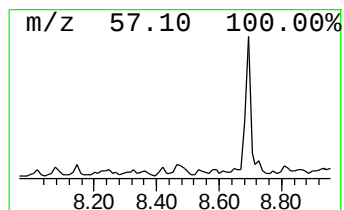
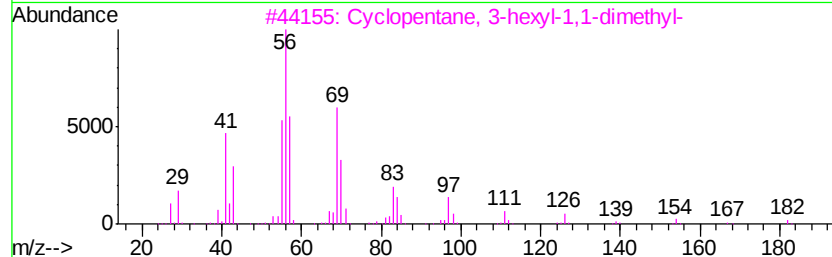
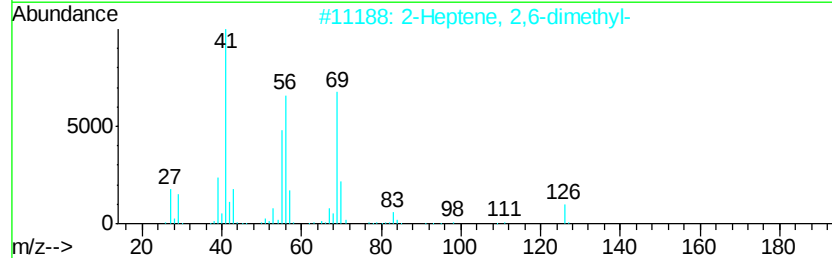
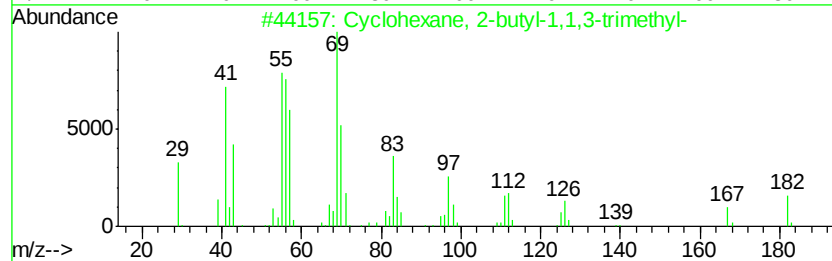
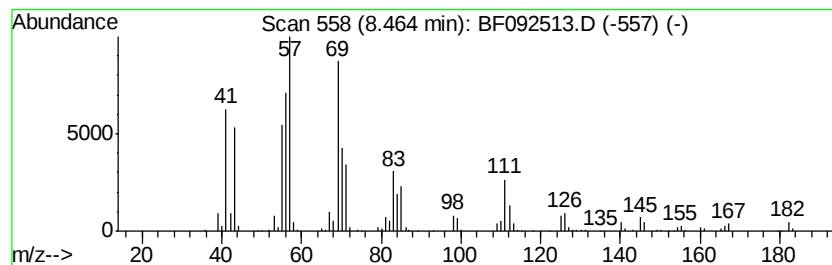
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	12.34 ng	1347910	Napthalene-d8	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	81
2		2-Heptene, 2,6-dimethyl-	126	C9H18	005557-98-2	49
3		Cyclopentane, 3-hexyl-1,1-dimethyl-	182	C13H26	061142-65-2	49
4		2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	43
5		Heptane, 4-methylene-	112	C8H16	015918-08-8	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092513.D
Acq On : 26 Jan 2017 9:29
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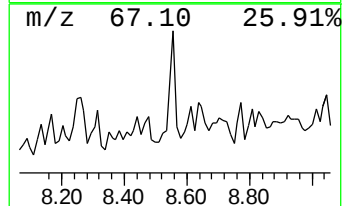
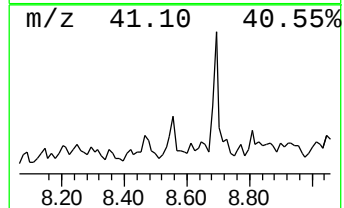
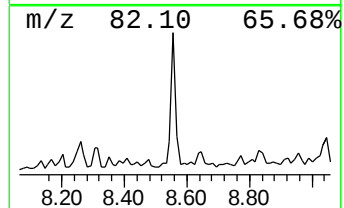
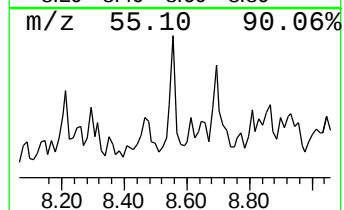
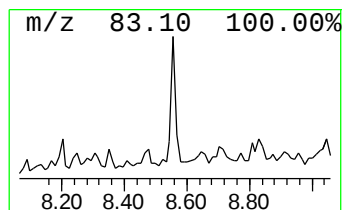
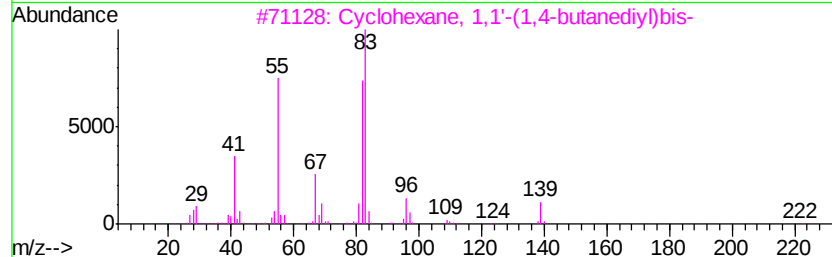
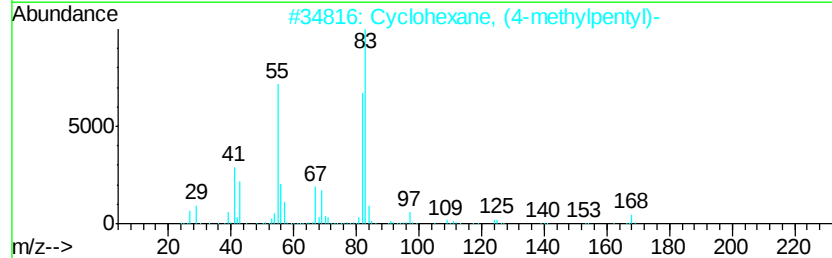
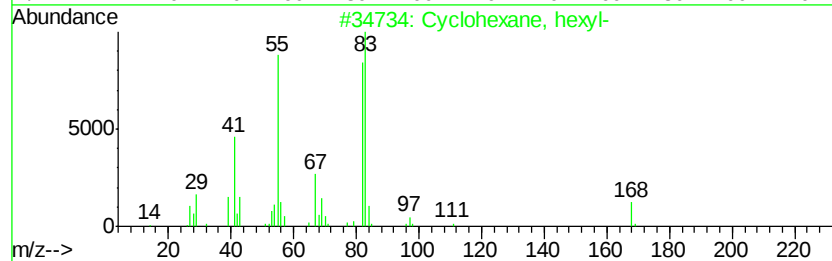
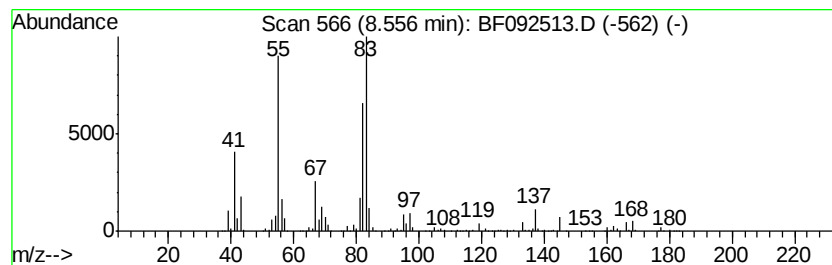
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclohexane, hexyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	23.41 ng	2557370	Naphthalene-d8	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, hexyl-	168	C12H24	004292-75-5	80
2		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	78
3		Cyclohexane, 1,1'-(1,4-butanediyl)-	222	C16H30	006165-44-2	72
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	72
5		Cyclohexane, octyl-	196	C14H28	001795-15-9	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092513.D
Acq On : 26 Jan 2017 9:29
Operator : SJ/MA
Sample : I1312-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

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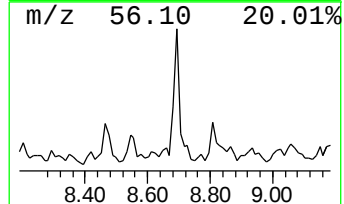
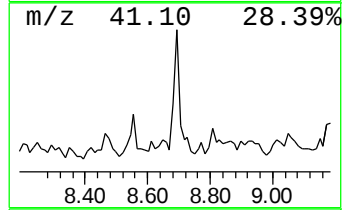
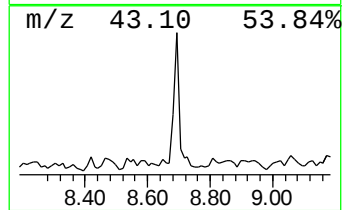
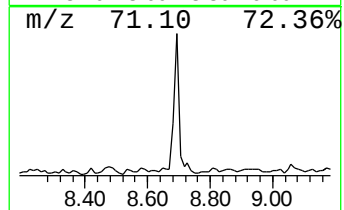
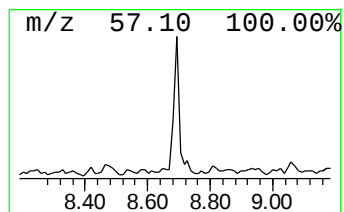
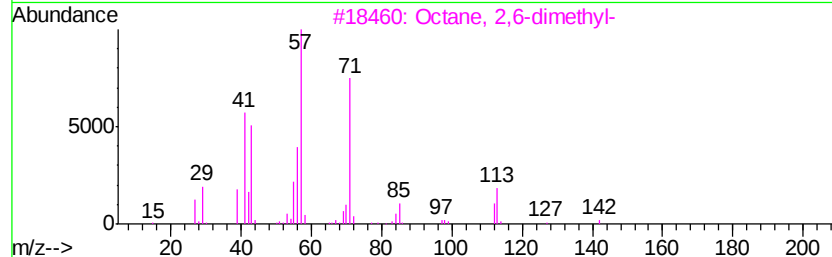
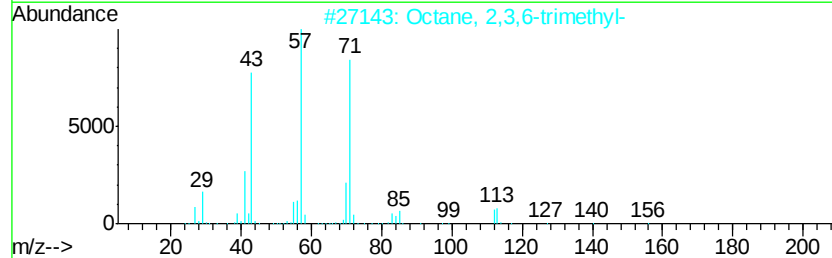
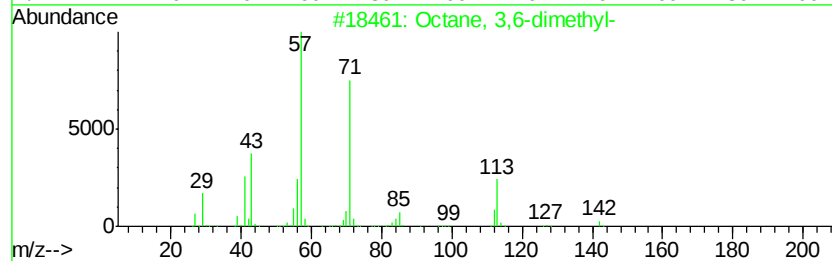
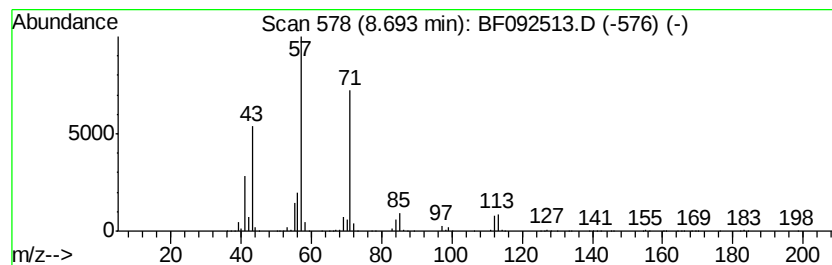
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Octane, 3,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	49.74 ng	5432640	Napthalene-d8	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
2		Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	78
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
4		Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	72
5		Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092513.D
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Misc :
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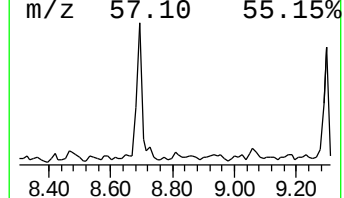
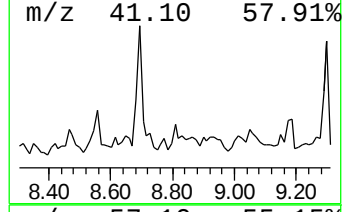
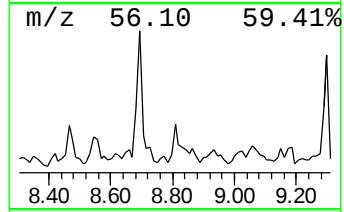
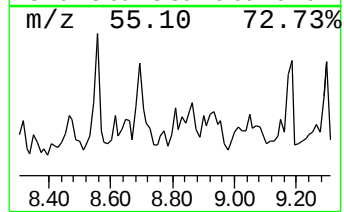
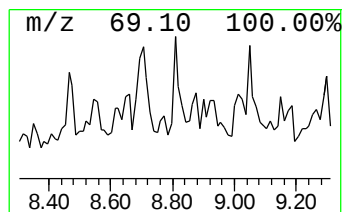
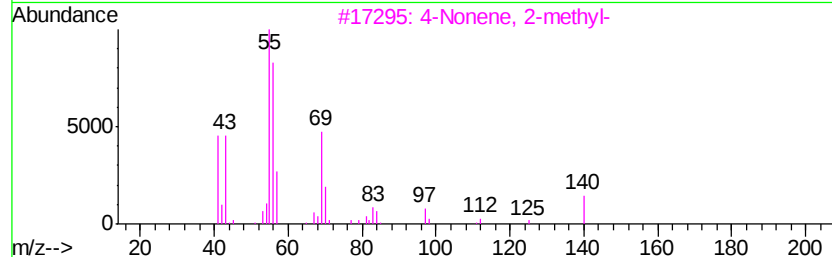
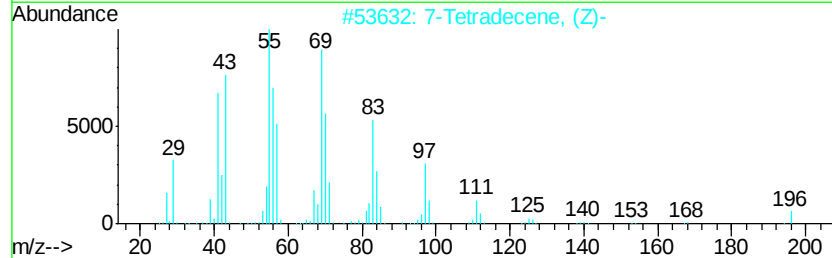
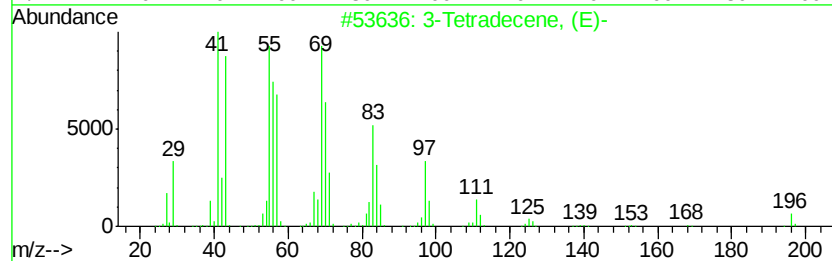
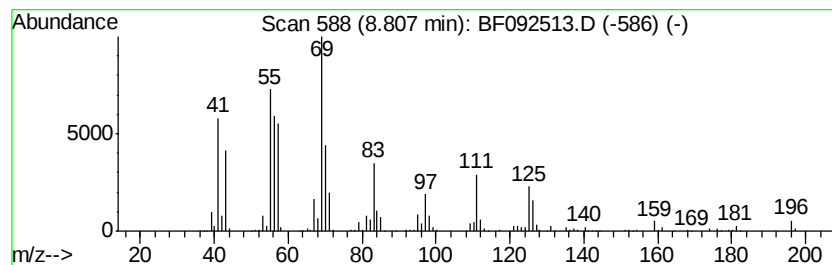
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 3-Tetradecene, (E)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	15.36 ng	1677220	Naphthalene-d8	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Tetradecene, (E)-	196	C14H28	041446-68-8	64
2		7-Tetradecene, (Z)-	196	C14H28	041446-60-0	64
3		4-Nonene, 2-methyl-	140	C10H20	055724-84-0	62
4		Cyclopentane, 2-ethyl-1,1-dimethyl-	126	C9H18	054549-80-3	58
5		6-Dodecene, (E)-	168	C12H24	007206-17-9	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
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Misc :
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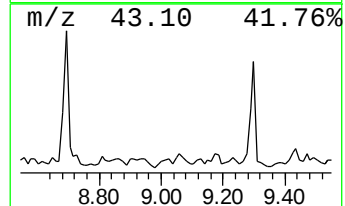
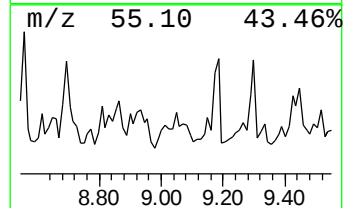
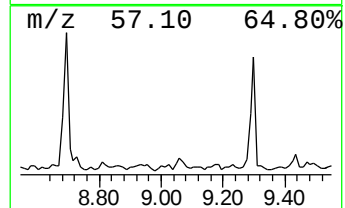
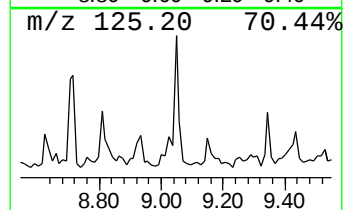
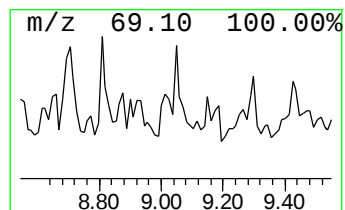
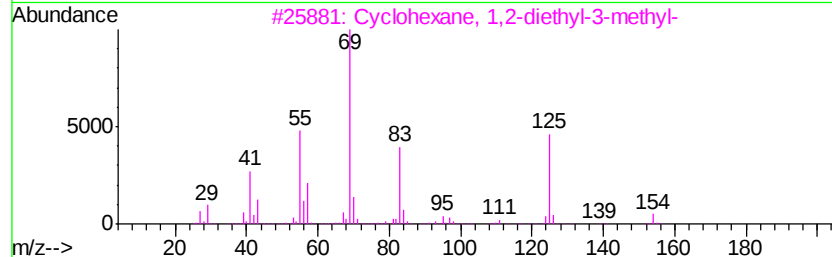
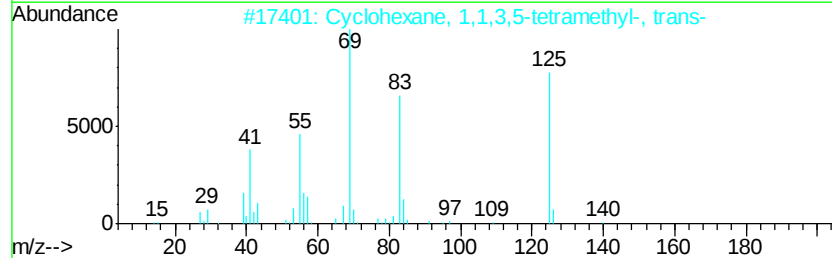
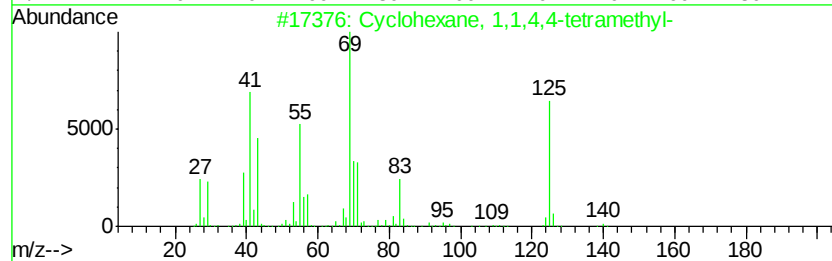
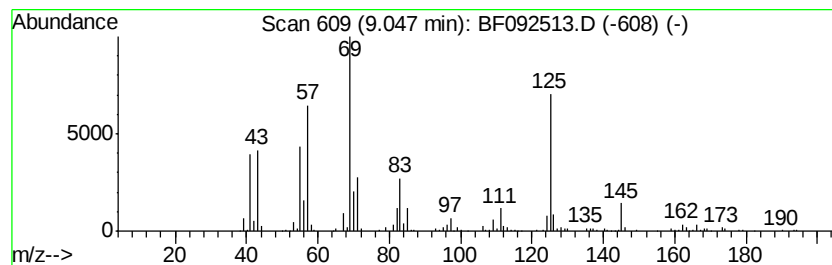
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclohexane, 1,1,4,4-tetram... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	8.88 ng	969735	Naphthalene-d8	8.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	68
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	49
3			Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	47
4			Diisopropylcyanamide	126	C7H14N2	003085-76-5	43
5			1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092513.D
Acq On : 26 Jan 2017 9:29
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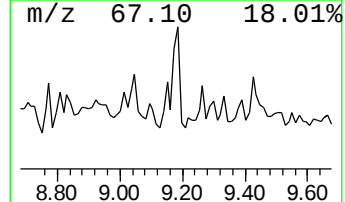
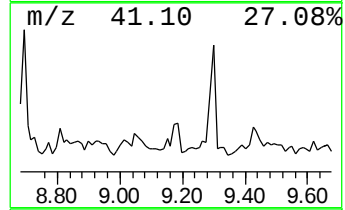
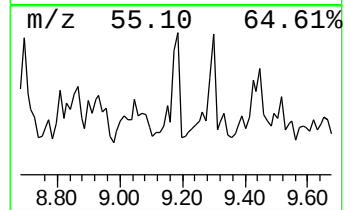
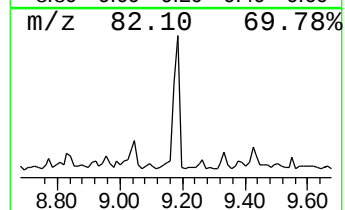
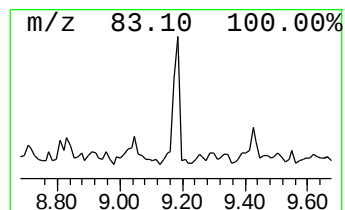
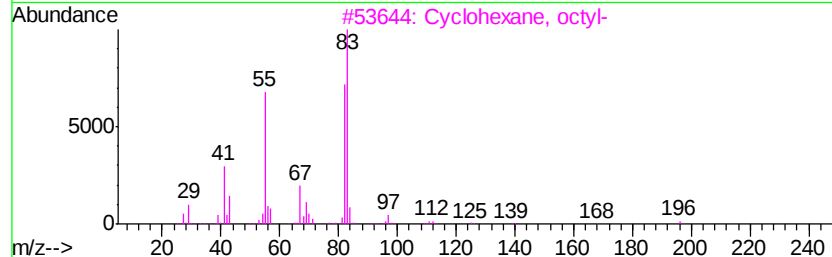
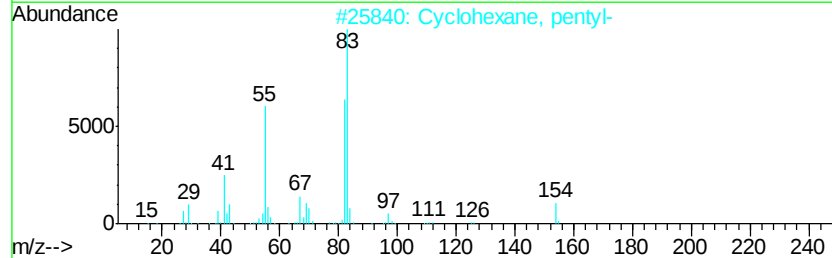
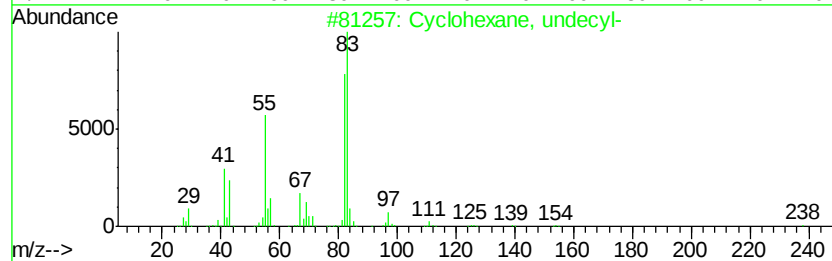
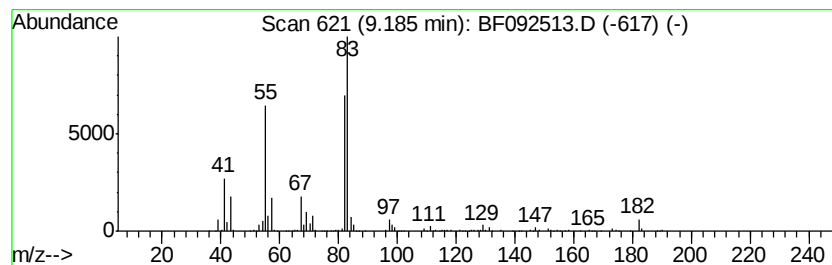
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclohexane, undecyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	20.01 ng	2158560	Acenaphthene-d10	10.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	90
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	87
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	78
4		Cyclohexane, 1,1'-(1,4-butanediol-...)	222	C16H30	006165-44-2	78
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092513.D
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Misc :
ALS Vial : 4 Sample Multiplier: 1

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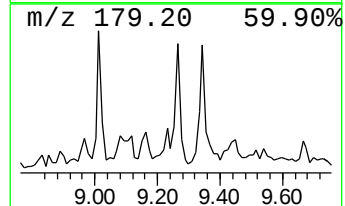
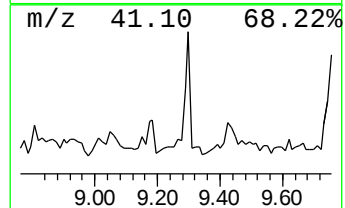
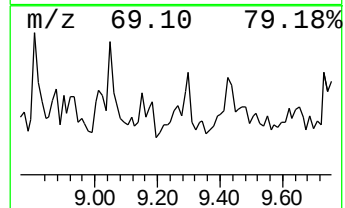
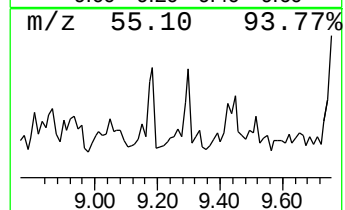
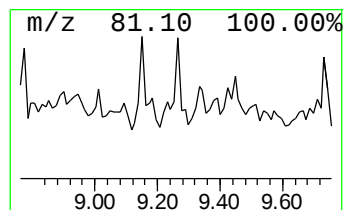
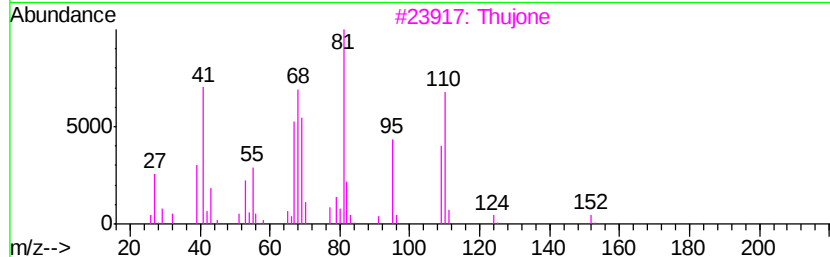
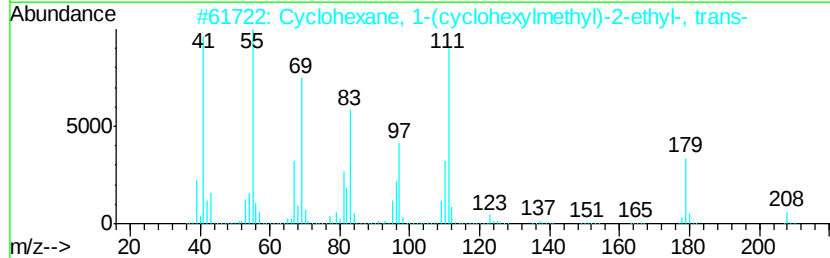
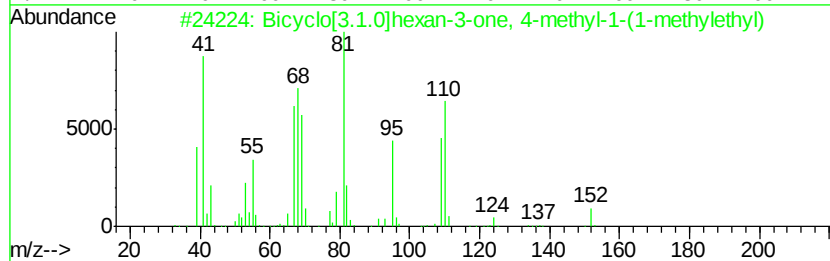
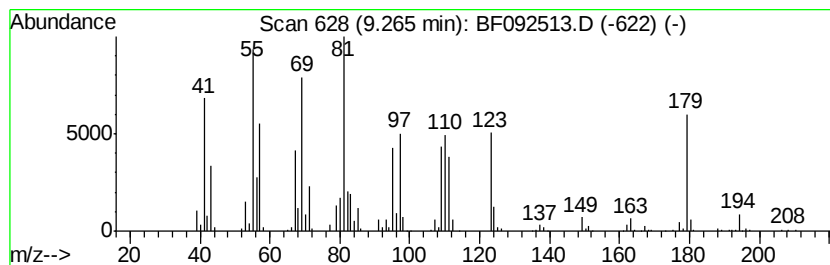
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 unknown9.26 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	11.28 ng	1216840	Acenaphthene-d10	10.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.1.0]hexan-3-one, 4-met...	152	C10H16O	001125-12-8	38
2		Cyclohexane, 1-(cyclohexylmethyl)...	208	C15H28	054934-92-8	35
3		Thujone	152	C10H16O	000546-80-5	35
4		Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-30-1	27
5		Cyclopentaneethanol, 2-(hydroxym...	172	C10H20O2	000485-42-7	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
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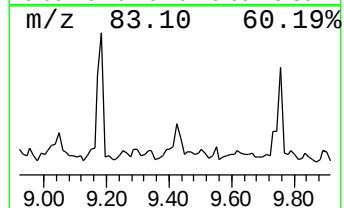
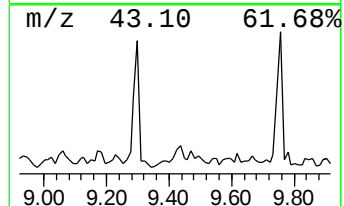
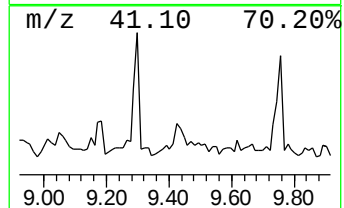
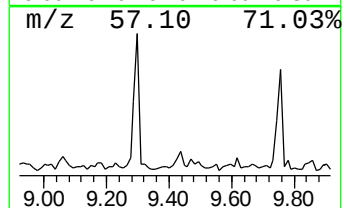
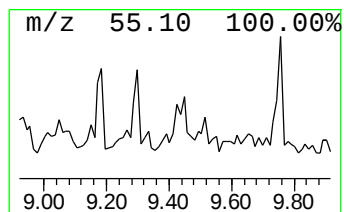
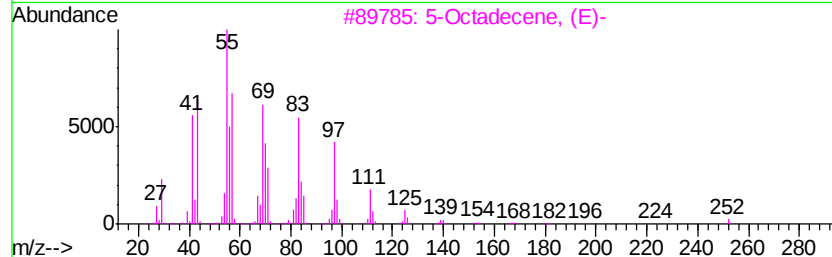
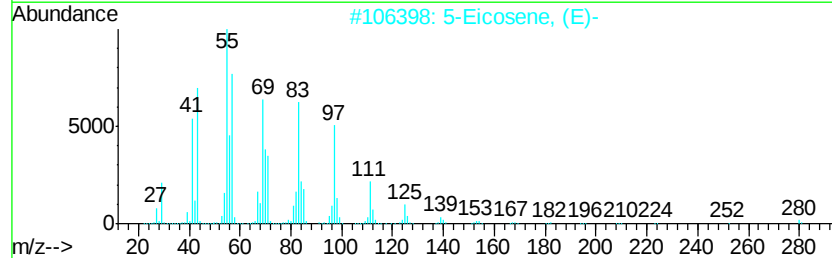
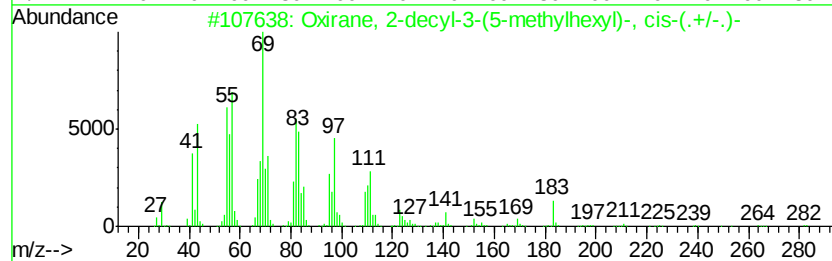
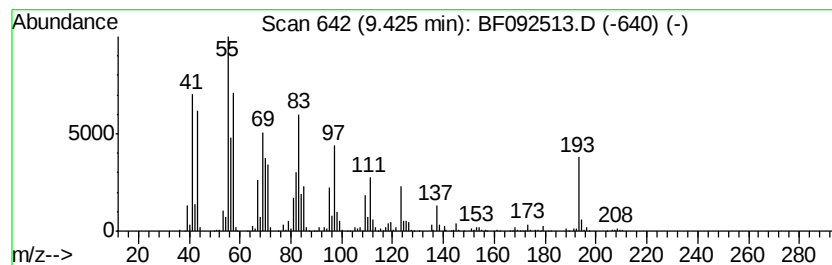
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Oxirane, 2-decyl-3-(5-methy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	17.93 ng	1933750	Acenaphthene-d10	10.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, 2-decyl-3-(5-methylhexyl)-	282	C19H38O	057457-72-4	64
2		5-Eicosene, (E)-	280	C20H40	074685-30-6	58
3		5-Octadecene, (E)-	252	C18H36	007206-21-5	53
4		Trichloroacetic acid, tridecyl e...	344	C15H27Cl3O2	074339-51-8	52
5		9-Octadecene, (E)-	252	C18H36	007206-25-9	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
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ALS Vial : 4 Sample Multiplier: 1

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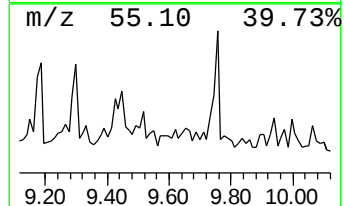
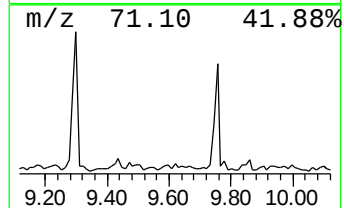
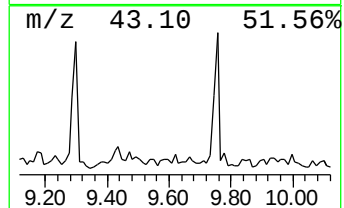
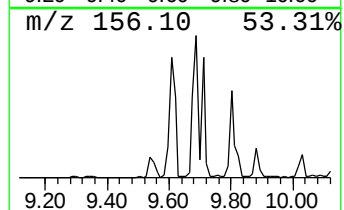
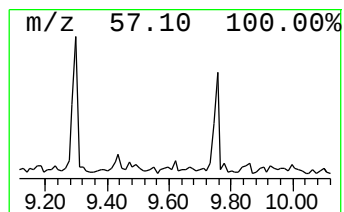
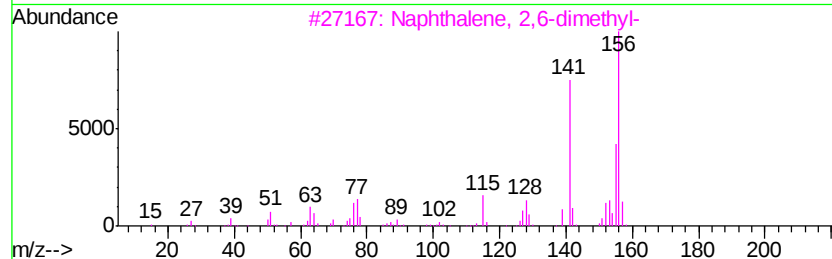
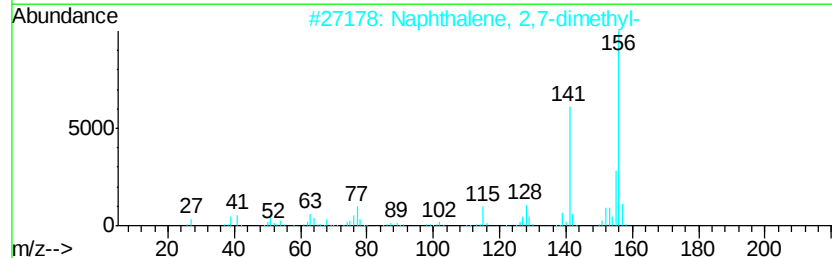
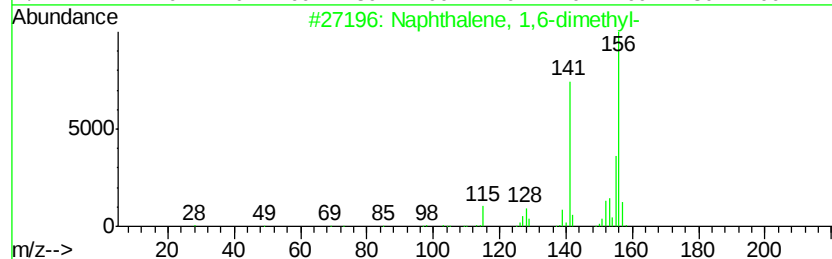
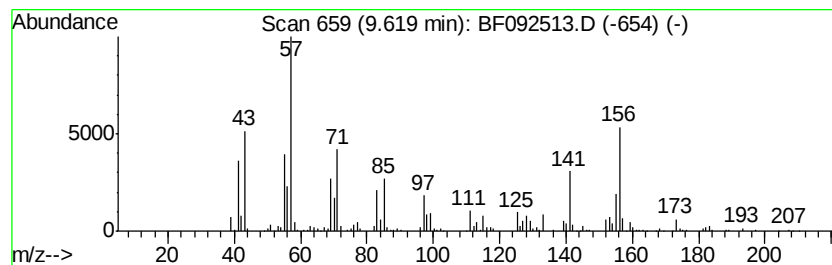
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Naphthalene, 1,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	12.79 ng	1379980	Acenaphthene-d10	10.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	62
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	38
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	38
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	38
5		Decane	142	C10H22	000124-18-5	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092513.D
Acq On : 26 Jan 2017 9:29
Operator : SJ/MA
Sample : I1312-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CAS-SB-02-5-7

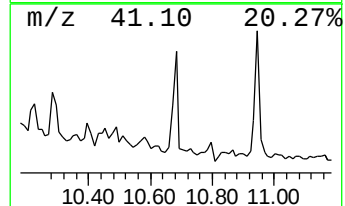
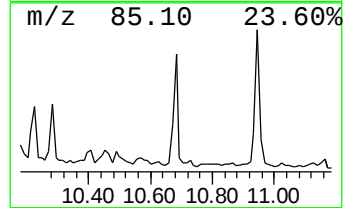
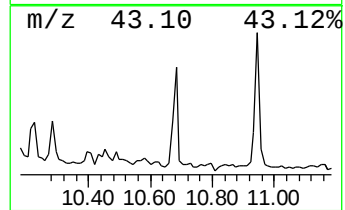
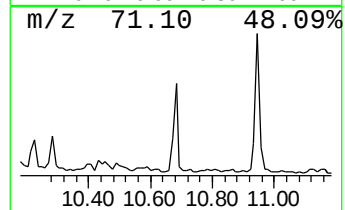
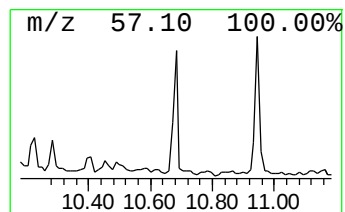
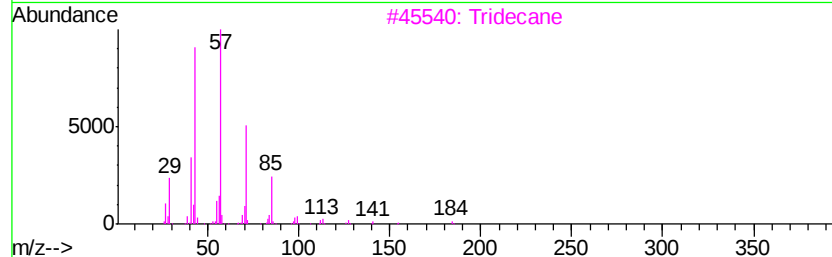
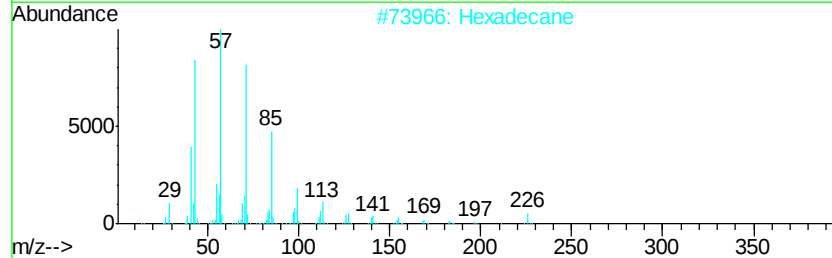
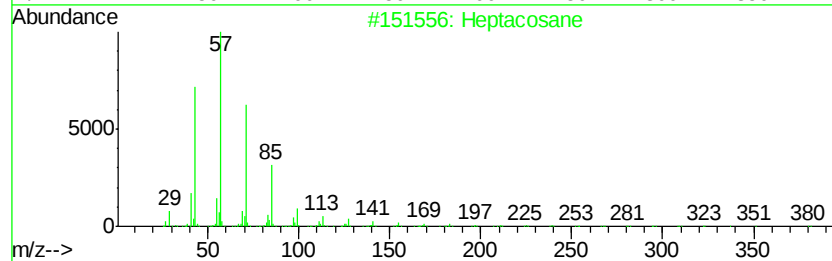
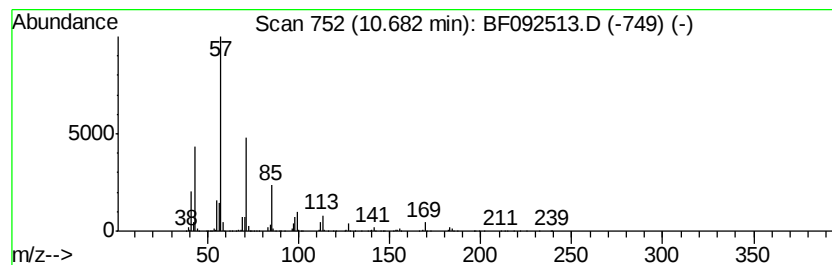
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Heptacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	17.36 ng	1872630	Acenaphthene-d10	10.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	86
2		Hexadecane	226	C16H34	000544-76-3	80
3		Tridecane	184	C13H28	000629-50-5	80
4		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	76
5		Z-2-Tridecen-1-ol	198	C13H26O	1000130-75-8	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
Data File : BF092513.D
Acq On : 26 Jan 2017 9:29
Operator : SJ/MA
Sample : I1312-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CAS-SB-02-5-7

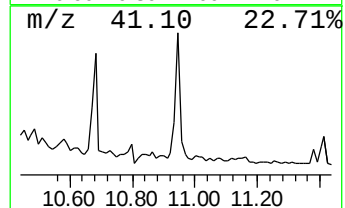
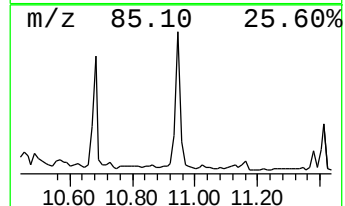
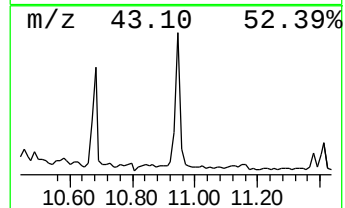
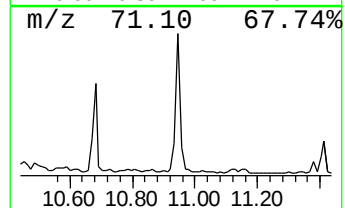
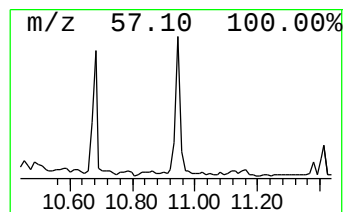
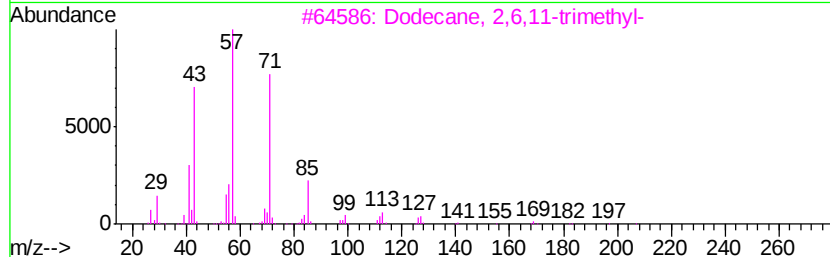
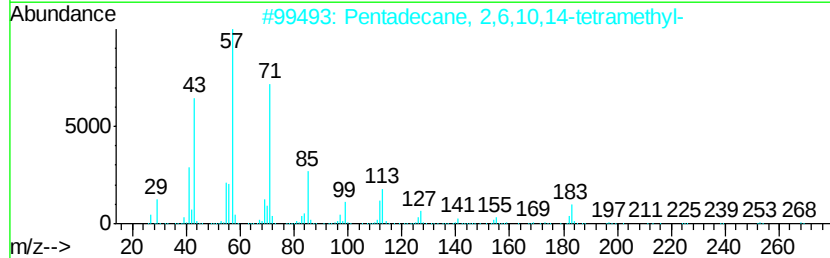
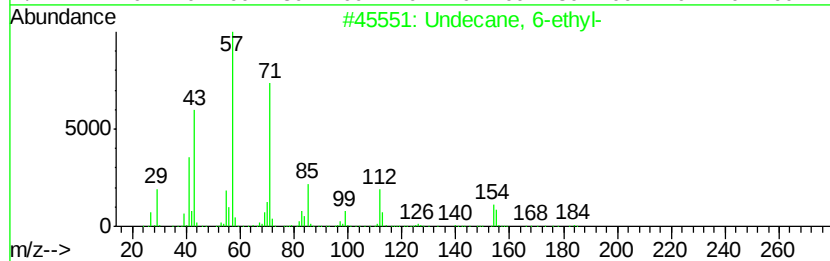
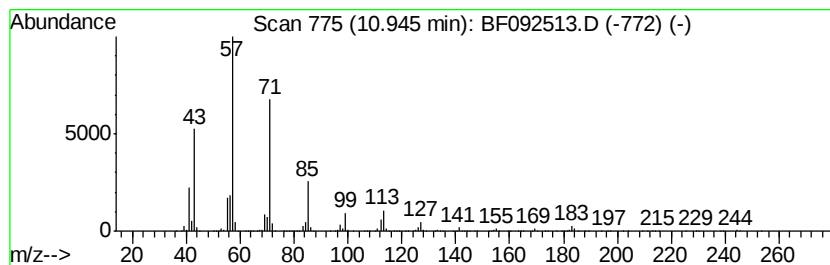
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Undecane, 6-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	22.11 ng	2362040	Phenanthrene-d10	11.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	90
2		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
4		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	74
5		Tridecane	184	C13H28	000629-50-5	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
 Data File : BF092513.D
 Acq On : 26 Jan 2017 9:29
 Operator : SJ/MA
 Sample : I1312-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-02-5-7

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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...	5.15	31.4	ng	1801420	1	6.97	1147010	20.0
Cyclohexane, 1,1,...	6.50	10.7	ng	613320	1	6.97	1147010	20.0
unknown6.73	6.73	77.7	ng	4458480	1	6.97	1147010	20.0
1-Ethyl-2,2,6-tri...	7.24	10.4	ng	596293	1	6.97	1147010	20.0
Naphthalene, deca...	7.37	11.0	ng	629944	1	6.97	1147010	20.0
unknown7.62	7.62	12.2	ng	1336840	2	8.26	2184450	20.0
n-Amylcyclohexane	7.88	20.7	ng	2258690	2	8.26	2184450	20.0
4,4-Dipropylheptane	8.14	10.1	ng	1097750	2	8.26	2184450	20.0
Cyclohexane, 2-bu...	8.46	12.3	ng	1347910	2	8.26	2184450	20.0
Cyclohexane, hexyl-	8.56	23.4	ng	2557370	2	8.26	2184450	20.0
Octane, 3,6-dimet...	8.69	49.7	ng	5432640	2	8.26	2184450	20.0
3-Tetradecene, (E)-	8.81	15.4	ng	1677220	2	8.26	2184450	20.0
Cyclohexane, 1,1,...	9.05	8.9	ng	969735	2	8.26	2184450	20.0
Cyclohexane, unde...	9.18	20.0	ng	2158560	3	10.03	2157090	20.0
unknown9.26	9.26	11.3	ng	1216840	3	10.03	2157090	20.0
Oxirane, 2-decyl-...	9.42	17.9	ng	1933750	3	10.03	2157090	20.0
Naphthalene, 1,6-...	9.62	12.8	ng	1379980	3	10.03	2157090	20.0
Heptacosane	10.68	17.4	ng	1872630	3	10.03	2157090	20.0
Undecane, 6-ethyl-	10.94	22.1	ng	2362040	4	11.52	2136550	20.0