

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098617.D
 Acq On : 18 Sep 2017 22:20
 Operator : SJ/JU
 Sample : I5265-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4D46

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-BF091117.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	4.810	461	463	475	rVB	198949	301218	2.55%	0.142%
2	4.998	491	495	498	rBV	104936	119437	1.01%	0.056%
3	5.245	533	537	543	rBV	2120776	2314972	19.57%	1.094%
4	5.375	555	559	563	rBV2	96219	129864	1.10%	0.061%
5	5.422	563	567	570	rVV	238297	224010	1.89%	0.106%
6	5.463	570	574	583	rVB2	164769	224128	1.90%	0.106%
7	5.622	596	601	607	rVB2	313661	514756	4.35%	0.243%
8	5.693	607	613	615	rBV2	247701	402355	3.40%	0.190%
9	5.716	615	617	621	rVB2	132787	142556	1.21%	0.067%
10	5.769	624	626	631	rVB	592124	553602	4.68%	0.262%
11	5.828	631	636	641	rBV2	421488	701511	5.93%	0.331%
12	5.875	641	644	649	rVB3	824520	1071981	9.06%	0.506%
13	5.928	649	653	655	rBV	611263	603181	5.10%	0.285%
14	5.957	655	658	661	rBV2	226636	211746	1.79%	0.100%
15	6.010	665	667	670	rVB2	175369	162642	1.38%	0.077%
16	6.069	670	677	680	rBV2	1228600	1693257	14.32%	0.800%
17	6.093	680	681	688	rVB3	179590	190978	1.61%	0.090%
18	6.151	688	691	694	rBV	615262	813261	6.88%	0.384%
19	6.187	694	697	702	rVB2	700418	821954	6.95%	0.388%
20	6.257	702	709	710	rBV3	283165	509644	4.31%	0.241%
21	6.293	710	715	719	rBV2	2342069	2641159	22.33%	1.248%
22	6.328	719	721	724	rVB2	388214	368919	3.12%	0.174%
23	6.375	724	729	732	rBV	1410855	1949636	16.49%	0.921%
24	6.410	732	735	741	rVB	3206097	3462290	29.28%	1.636%
25	6.487	743	748	751	rBV3	665083	1027349	8.69%	0.485%
26	6.522	751	754	756	rBV	261222	290377	2.46%	0.137%
27	6.569	756	762	766	rBV4	676385	1328714	11.23%	0.628%
28	6.604	766	768	771	rBV3	293626	278978	2.36%	0.132%
29	6.640	771	774	780	rVB3	1165890	1614429	13.65%	0.763%
30	6.698	780	784	787	rBV3	1152350	1647897	13.93%	0.778%
31	6.734	787	790	792	rBV3	442770	424515	3.59%	0.201%
32	6.763	792	795	797	rBV	1693329	1843896	15.59%	0.871%
33	6.792	797	800	803	rVV2	3621070	4014780	33.95%	1.897%
34	6.822	803	805	807	rVB	873914	723215	6.12%	0.342%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.875	811	814	817	rVV3	721905	855459	7.23%	0.404%
36	6.910	817	820	826	rVB5	1138697	1665983	14.09%	0.787%
37	6.998	830	835	838	rBV3	1288616	2025855	17.13%	0.957%
38	7.034	838	841	843	rBV2	1855215	1740061	14.71%	0.822%
39	7.057	843	845	848	rVB3	327272	356200	3.01%	0.168%
40	7.122	854	856	859	rVB2	505366	499065	4.22%	0.236%
41	7.187	859	867	870	rBV	3217192	6152362	52.02%	2.906%
42	7.228	870	874	877	rVV2	2338654	3060955	25.88%	1.446%
43	7.298	880	886	890	rVB4	2390127	4784752	40.46%	2.260%
44	7.345	890	894	896	rBV2	1427947	2079111	17.58%	0.982%
45	7.457	908	913	917	rVB2	3687636	5061590	42.80%	2.391%
46	7.498	917	920	924	rBV3	942490	1220956	10.32%	0.577%
47	7.557	924	930	937	rBV5	5056387	11826583	100.00%	5.587%
48	7.610	937	939	941	rBV2	503936	474573	4.01%	0.224%
49	7.698	950	954	957	rBV4	1587829	2339995	19.79%	1.105%
50	7.763	961	965	968	rBV	1785445	2315585	19.58%	1.094%
51	7.798	969	971	973	rBV3	744296	779478	6.59%	0.368%
52	7.898	981	988	990	rBV2	3588932	6229989	52.68%	2.943%
53	7.928	990	993	997	rVB4	2503944	4279623	36.19%	2.022%
54	8.110	1019	1024	1028	rBV4	1754314	3585612	30.32%	1.694%
55	8.145	1028	1030	1034	rVV4	1265690	2034968	17.21%	0.961%
56	8.181	1034	1036	1039	rVB	1689590	1322347	11.18%	0.625%
57	8.239	1039	1046	1049	rBV3	4233871	8548727	72.28%	4.038%
58	8.269	1049	1051	1053	rVV	929326	799925	6.76%	0.378%
59	8.334	1059	1062	1064	rBV3	1802909	1869540	15.81%	0.883%
60	8.386	1065	1071	1074	rBV	6004355	9893608	83.66%	4.674%
61	8.504	1089	1091	1094	rVB3	963183	787941	6.66%	0.372%
62	8.545	1095	1098	1099	rBV	2163086	2047757	17.31%	0.967%
63	8.586	1102	1105	1107	rBV2	1584996	1837759	15.54%	0.868%
64	8.669	1117	1119	1120	rBV2	1210559	1037487	8.77%	0.490%
65	8.804	1140	1142	1144	rBV2	1608783	1191467	10.07%	0.563%
66	8.828	1144	1146	1148	rVV3	1182834	1236349	10.45%	0.584%
67	8.857	1148	1151	1154	rVB2	4469493	5340920	45.16%	2.523%
68	8.886	1154	1156	1158	rBV2	767023	835873	7.07%	0.395%
69	8.910	1158	1160	1165	rVB6	1380197	1375876	11.63%	0.650%
70	8.981	1166	1172	1174	rBV	5634807	7532090	63.69%	3.558%
71	9.098	1190	1192	1194	rBV3	1111776	1335757	11.29%	0.631%

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72	9.122	1194	1196	1199	rVV2	2827864	3325990	28.12%	1.571%
73	9.169	1202	1204	1209	rVV4	2441594	3559472	30.10%	1.682%
74	9.222	1211	1213	1216	rVB2	2106559	1814406	15.34%	0.857%
75	9.292	1223	1225	1228	rBV	1716482	1539110	13.01%	0.727%
76	9.433	1244	1249	1251	rBV2	5662586	8172245	69.10%	3.861%
77	9.457	1251	1253	1255	rVB2	1876664	1494314	12.64%	0.706%
78	9.510	1260	1262	1264	rBV2	1236882	1085595	9.18%	0.513%
79	9.604	1275	1278	1281	rBV2	1866491	1799092	15.21%	0.850%
80	9.675	1287	1290	1291	rBV	2185792	1984925	16.78%	0.938%
81	9.733	1298	1300	1302	rBV	1255566	1023040	8.65%	0.483%
82	9.804	1310	1312	1315	rVB	1902905	1721993	14.56%	0.813%
83	9.898	1325	1328	1330	rBV	1872130	1649410	13.95%	0.779%
84	9.957	1335	1338	1344	rVB5	3091996	3607874	30.51%	1.704%
85	10.016	1345	1348	1352	rBV2	1461863	1735389	14.67%	0.820%
86	10.080	1354	1359	1362	rVB3	1444071	2391748	20.22%	1.130%
87	10.363	1402	1407	1410	rBV	4877139	6802406	57.52%	3.213%
88	10.486	1426	1428	1430	rBV2	920369	777068	6.57%	0.367%
89	10.633	1446	1453	1456	rBV	5653871	10318734	87.25%	4.875%
90	11.086	1526	1530	1535	rVB	4952539	6666795	56.37%	3.149%
91	11.427	1585	1588	1591	rVB	2117980	2052754	17.36%	0.970%
92	12.139	1707	1709	1714	rVB	612808	725888	6.14%	0.343%
93	12.216	1720	1722	1725	rVB	381658	357463	3.02%	0.169%
94	12.657	1794	1797	1802	rVB3	166195	192830	1.63%	0.091%
95	12.739	1807	1811	1814	rVB	1778746	1578091	13.34%	0.745%
96	13.627	1959	1962	1969	rBV	176540	212556	1.80%	0.100%
97	13.786	1986	1989	1993	rBV	817374	686630	5.81%	0.324%
98	15.180	2222	2226	2233	rVB	574251	722340	6.11%	0.341%

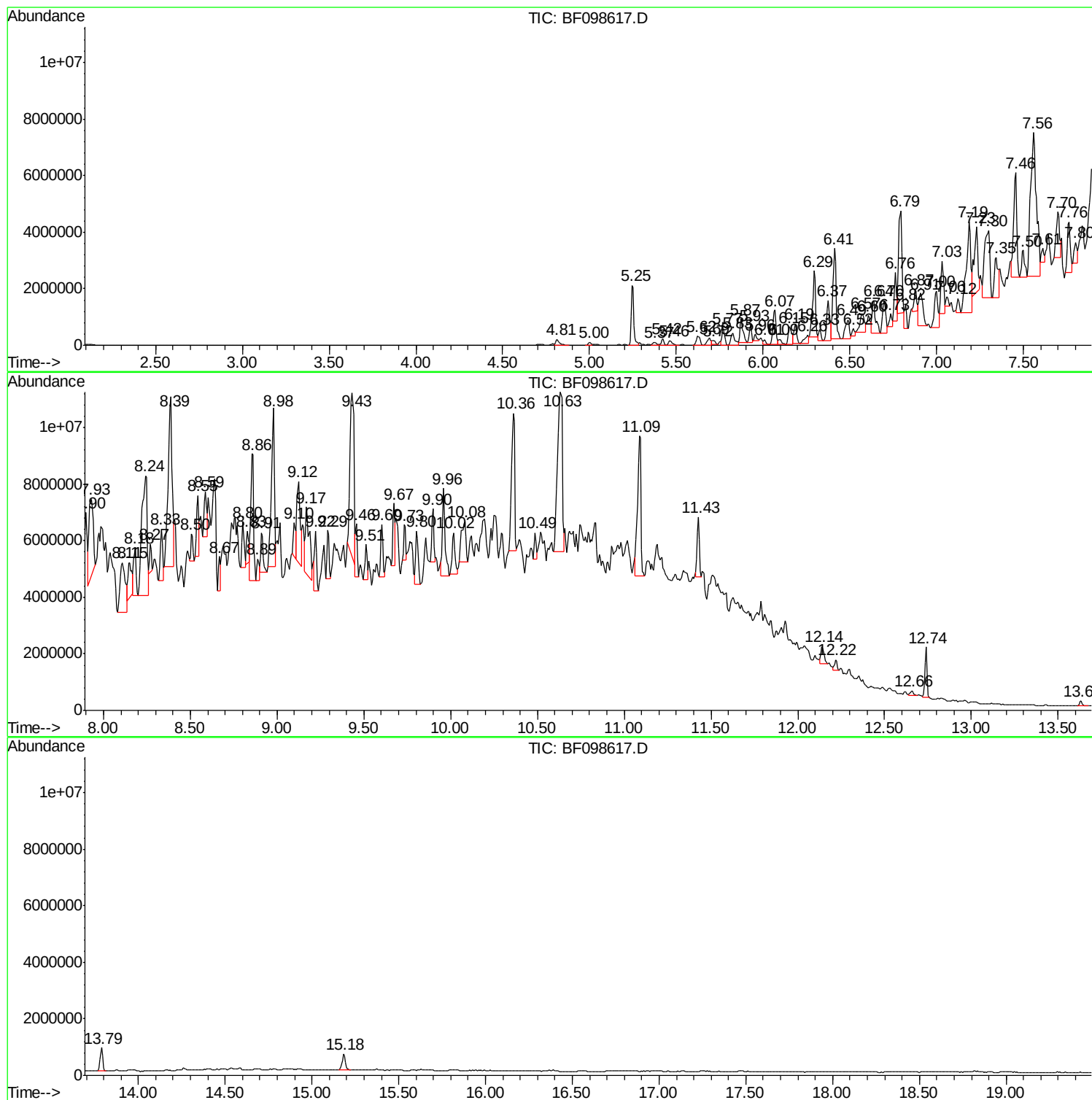
Sum of corrected areas: 211683543

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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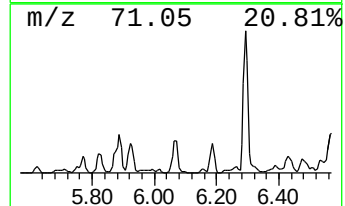
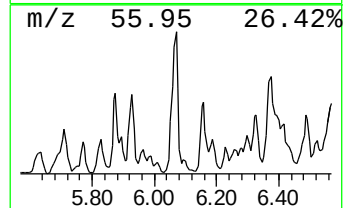
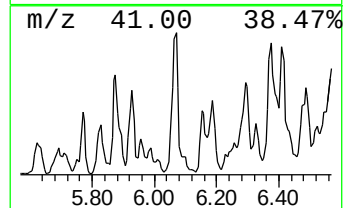
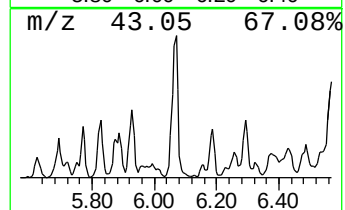
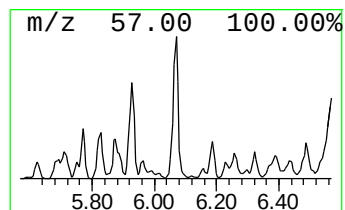
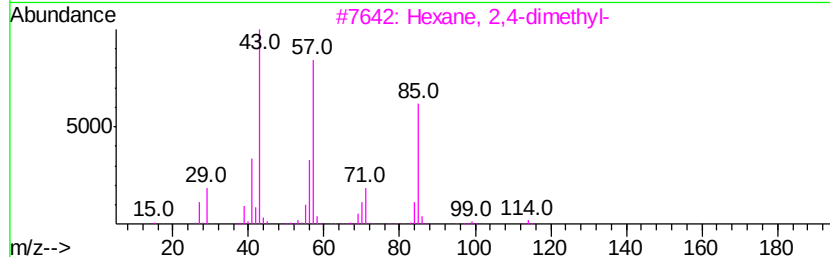
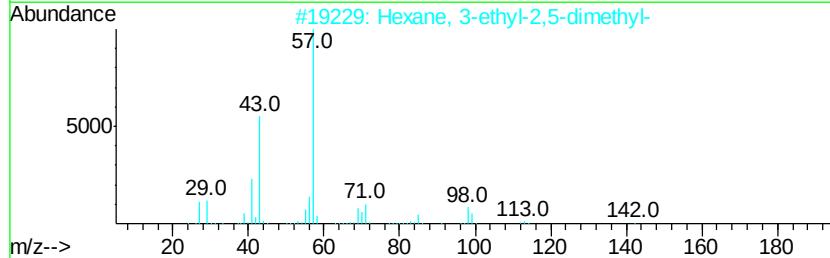
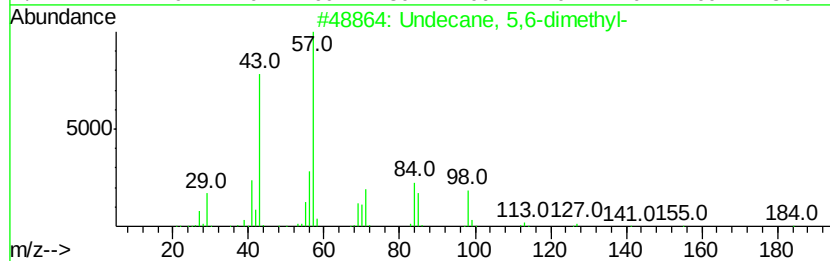
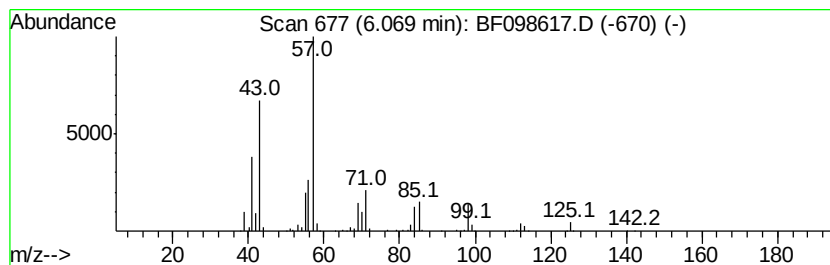
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Undecane, 5,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.07	20.98 ng	1693260	1,4-Dichlorobenzene-d4	6.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	59
2		Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	52
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
4		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
5		Formic acid, 2-methylpentyl ester	130	C7H14O2	381670-34-4	47



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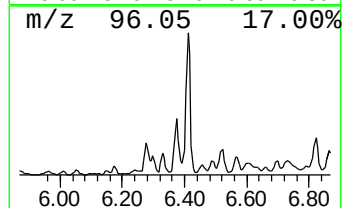
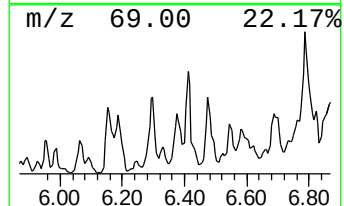
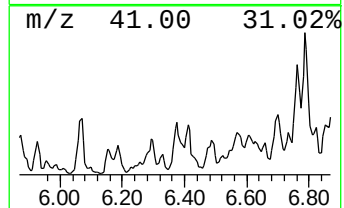
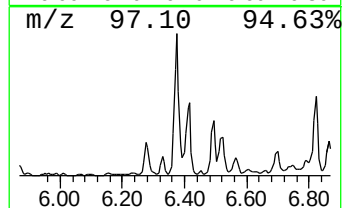
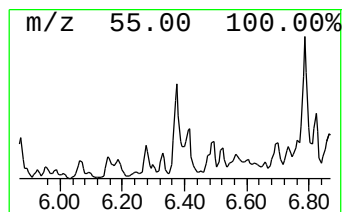
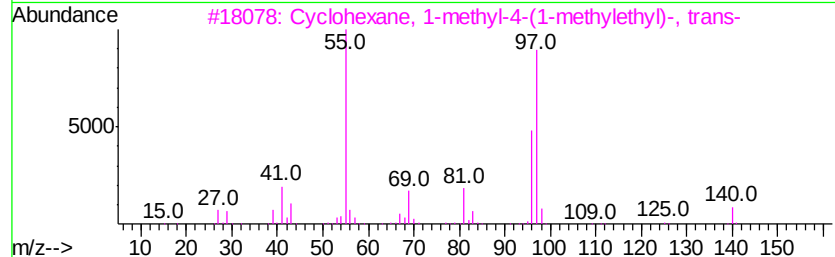
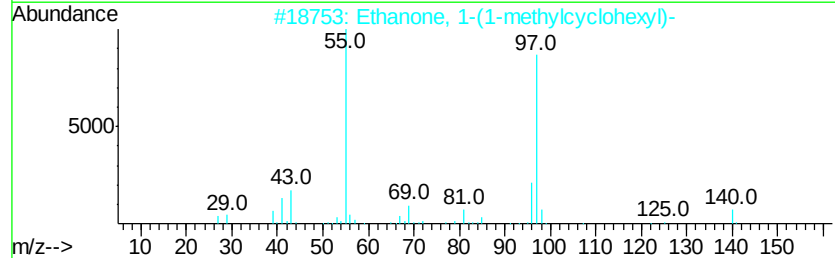
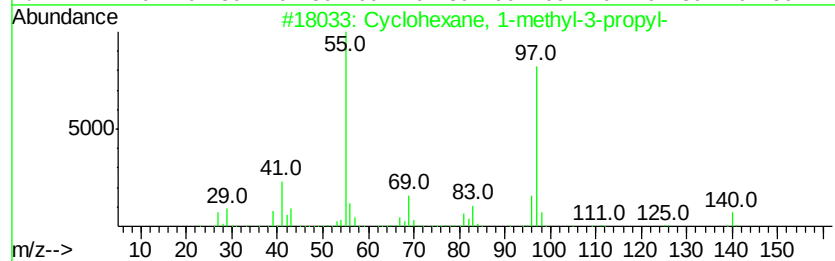
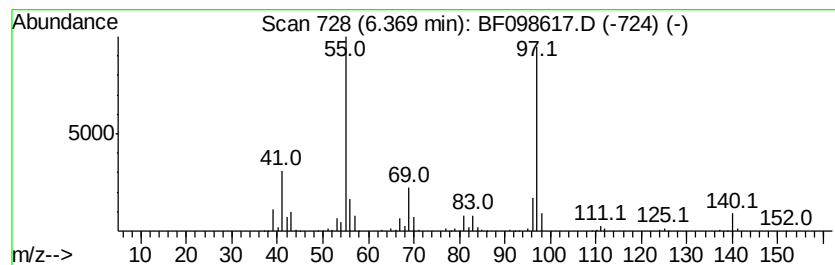
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1-methyl-3-pro... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	24.15 ng	1949640	1,4-Dichlorobenzene-d4	6.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	90
2		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	86
3		Cyclohexane, 1-methyl-4-(1-methyl-...	140	C10H20	001678-82-6	83
4		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80
5		Cyclohexane, 1-methyl-4-(1-methyl-...	140	C10H20	006069-98-3	80



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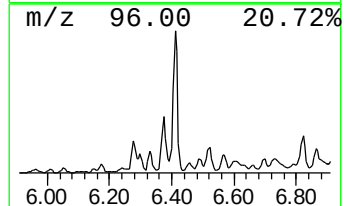
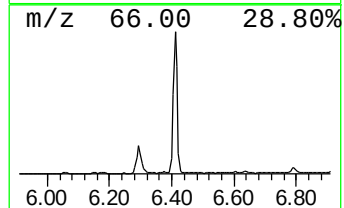
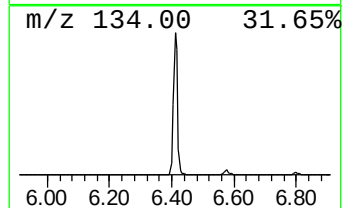
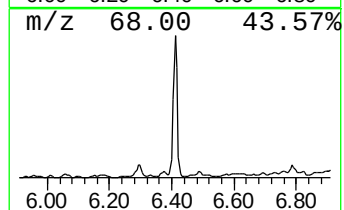
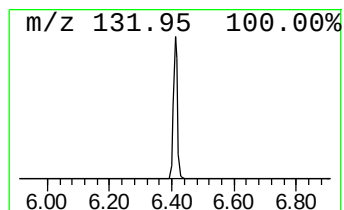
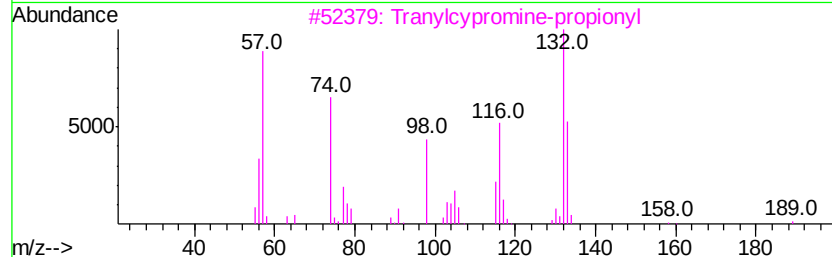
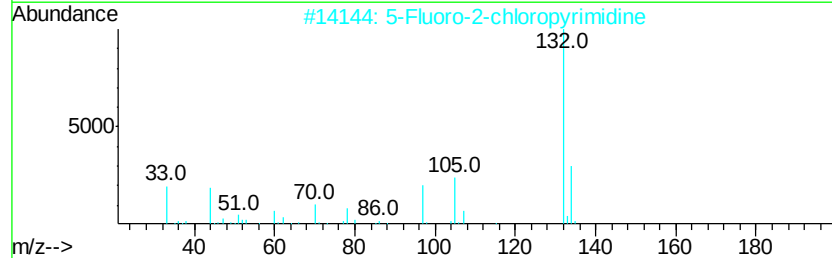
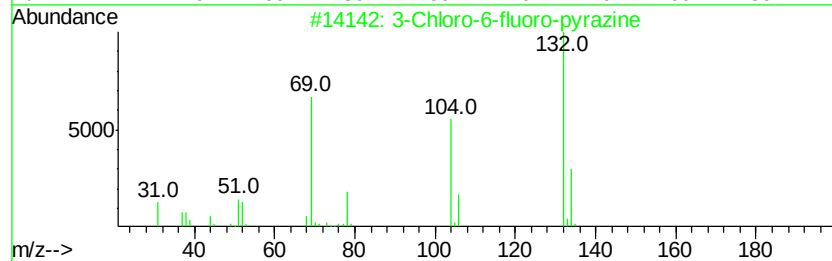
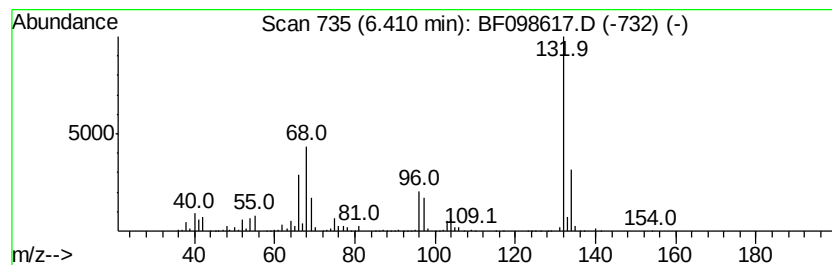
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Peak Number 3 unknown6.41 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	42.89 ng	3462290	1,4-Dichlorobenzene-d4	6.64

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	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
Data File : BF098617.D
Acq On : 18 Sep 2017 22:20
Operator : SJ/JU
Sample : I5265-02
Misc :
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Instrument :
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ClientSampleId :
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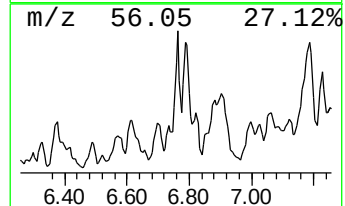
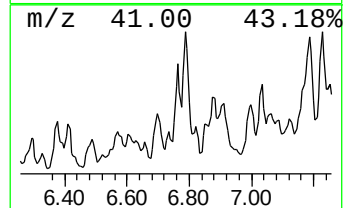
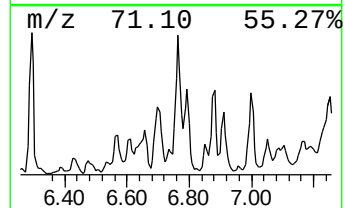
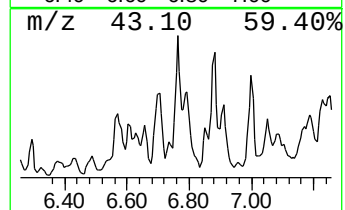
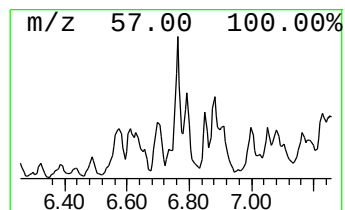
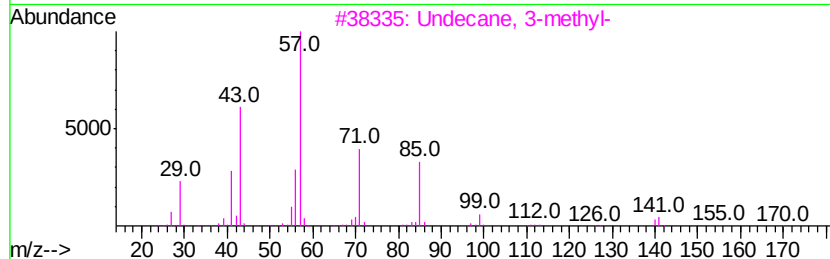
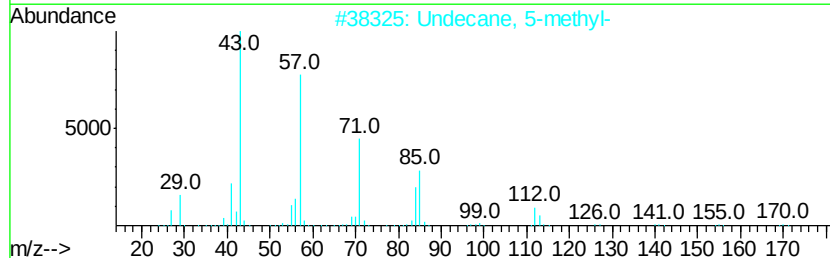
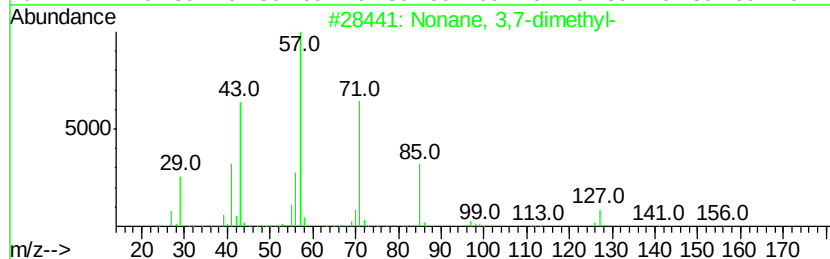
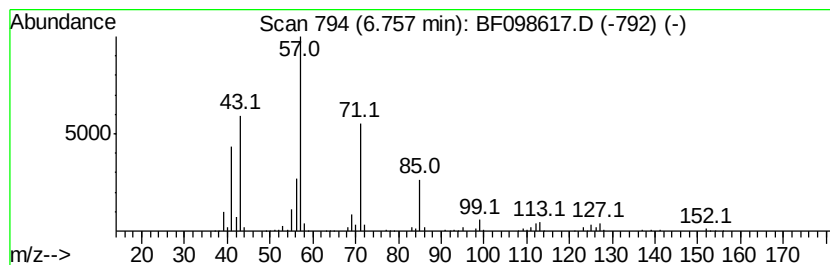
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Nonane, 3,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	22.84 ng	1843900	1,4-Dichlorobenzene-d4	6.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	83
2		Undecane, 5-methyl-	170	C12H26	001632-70-8	59
3		Undecane, 3-methyl-	170	C12H26	001002-43-3	53
4		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53
5		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098617.D
Acq On : 18 Sep 2017 22:20
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Misc :
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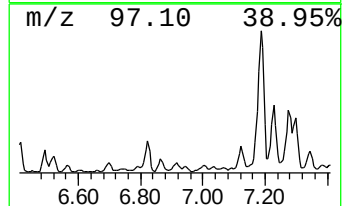
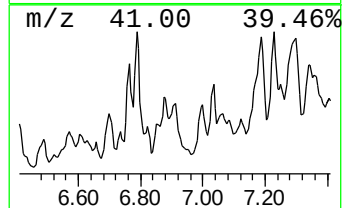
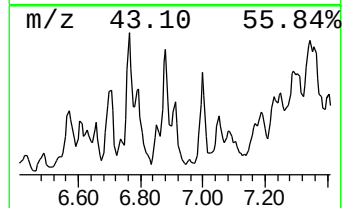
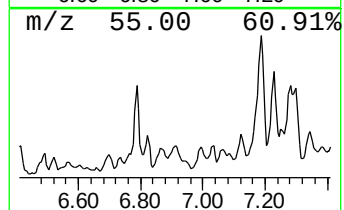
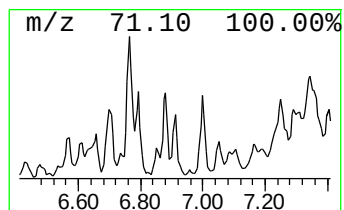
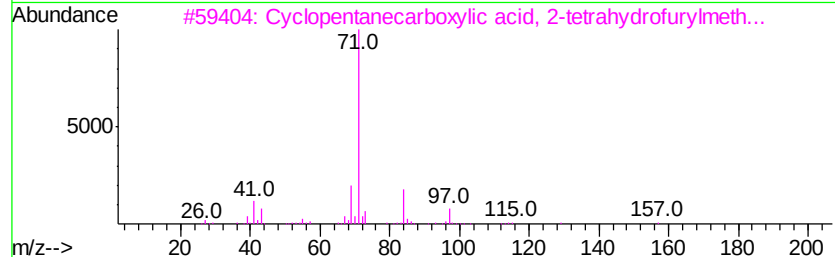
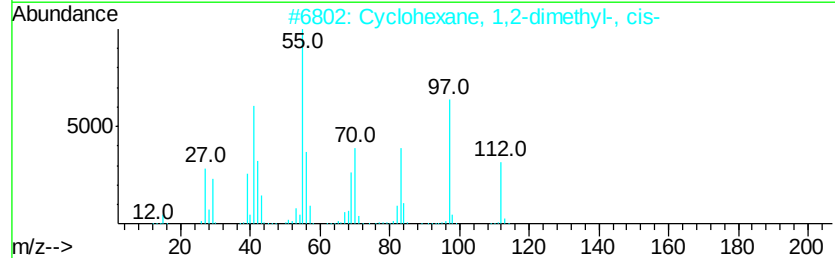
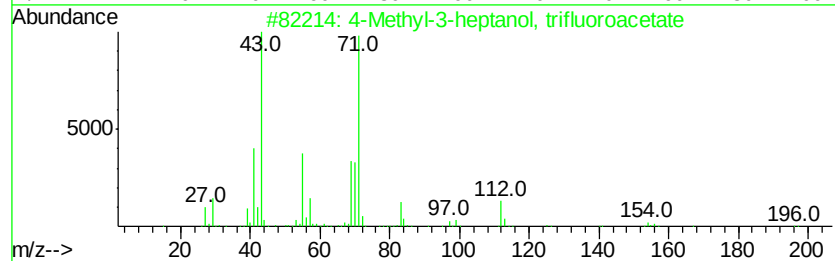
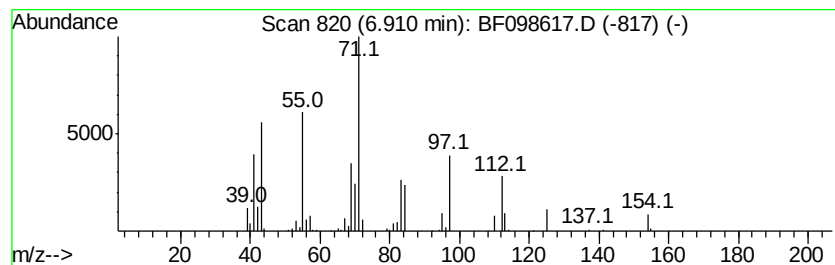
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown6.91 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	20.64 ng	1665980	1,4-Dichlorobenzene-d4	6.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	40
2		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	38
3		Cyclopentanecarboxylic acid, 2-t...	198	C11H18O3	1000282-42-9	35
4		2-Propenoic acid, 2-methyl-, (te...	170	C9H14O3	002455-24-5	35
5		3-t-Pentylcyclopentanone	154	C10H18O	1000114-66-3	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098617.D
Acq On : 18 Sep 2017 22:20
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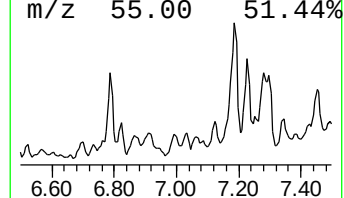
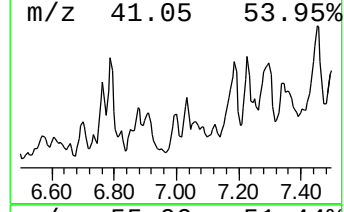
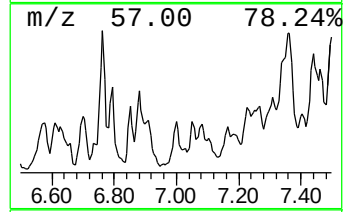
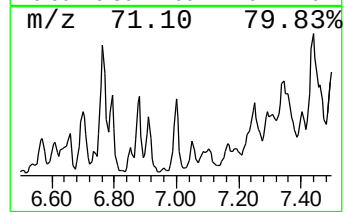
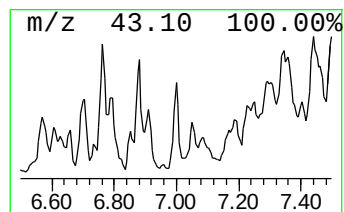
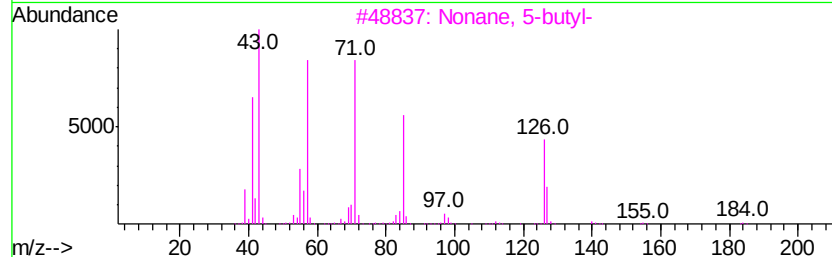
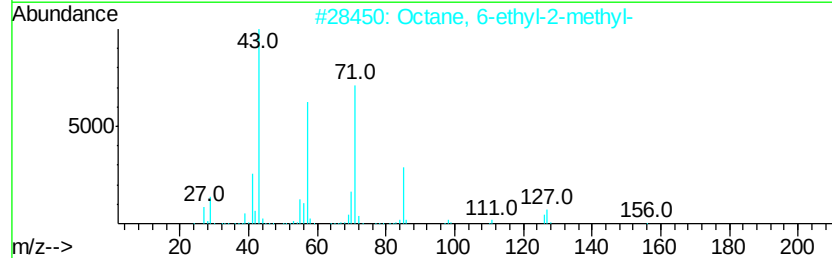
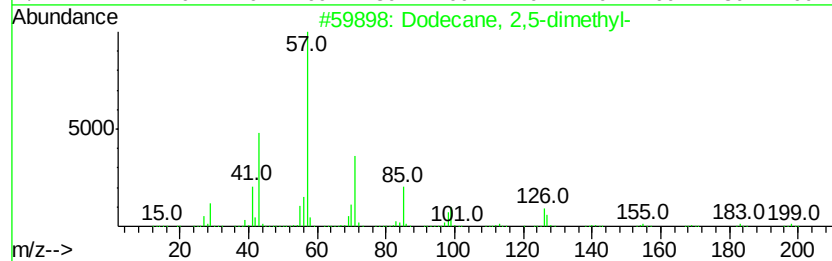
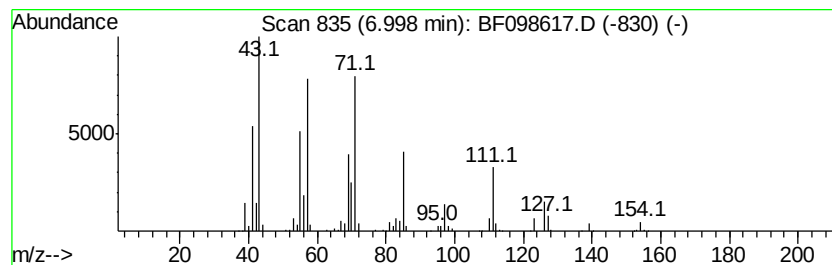
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dodecane, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	25.10 ng	2025860	1,4-Dichlorobenzene-d4	6.64

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	72
2			Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	64
3			Nonane, 5-butyl-	184	C13H28	017312-63-9	64
4			Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	59
5			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098617.D
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Misc :
ALS Vial : 23 Sample Multiplier: 1

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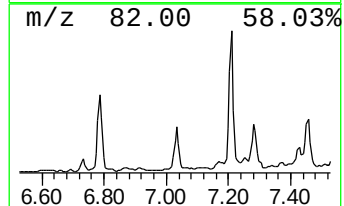
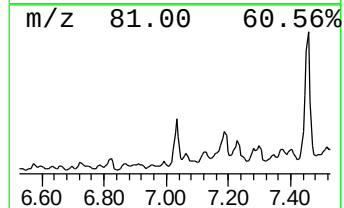
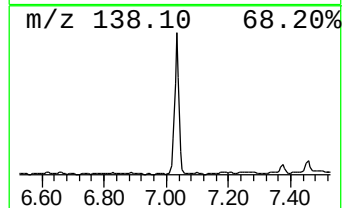
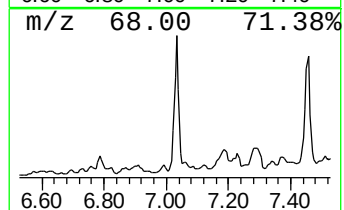
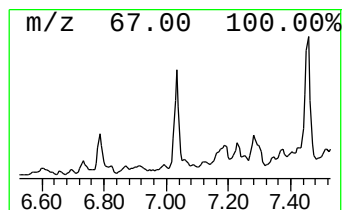
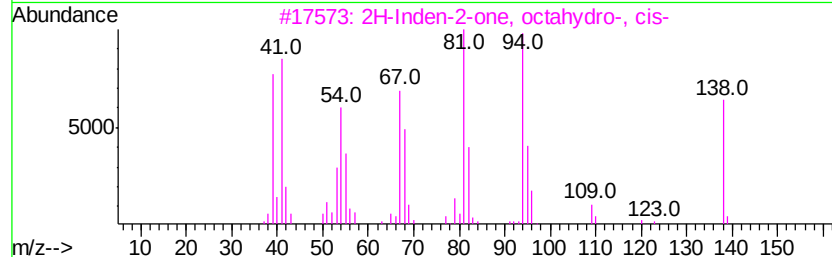
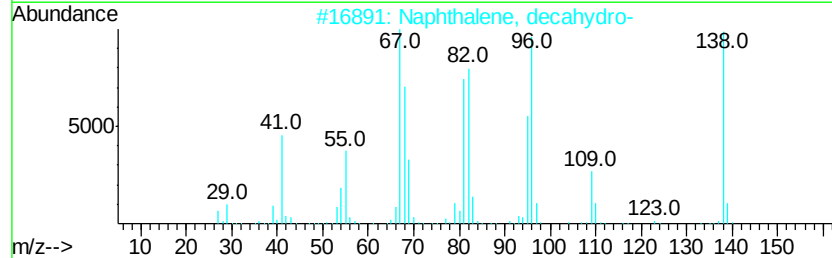
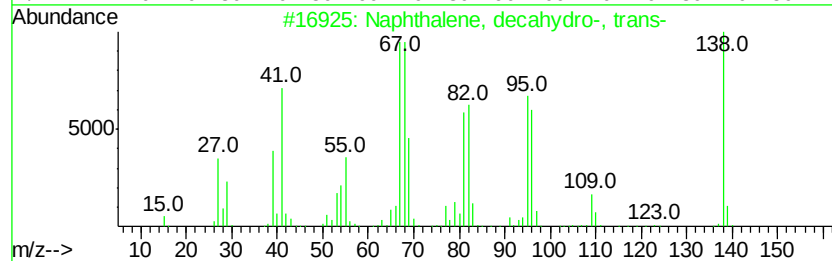
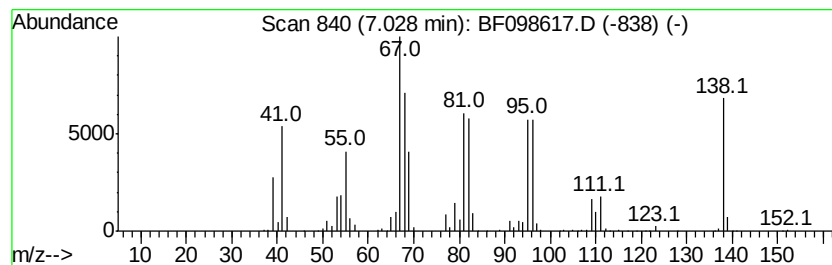
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, decahydro-, tr... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	21.56 ng	1740060	1,4-Dichlorobenzene-d4	6.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3		2H-Inden-2-one, octahydro-, cis-	138	C9H14O	005689-04-3	86
4		Spiro[4.5]decane	138	C10H18	000176-63-6	81
5		Bicyclo[5.3.0]decane	138	C10H18	005661-80-3	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098617.D
Acq On : 18 Sep 2017 22:20
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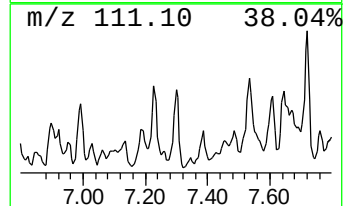
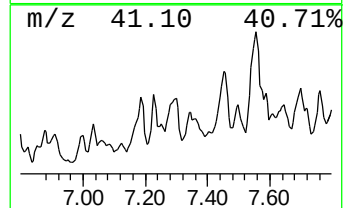
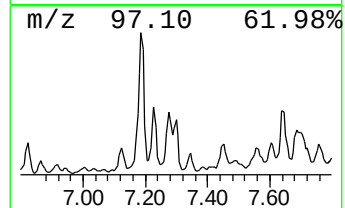
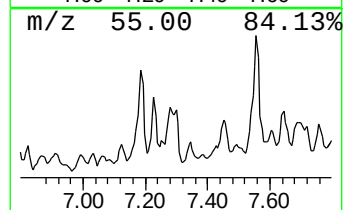
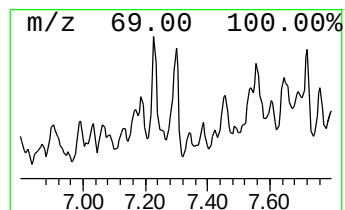
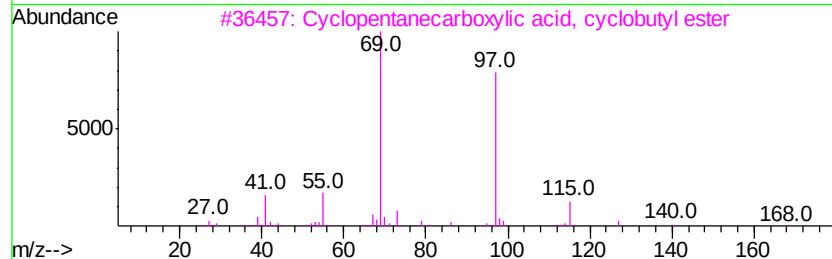
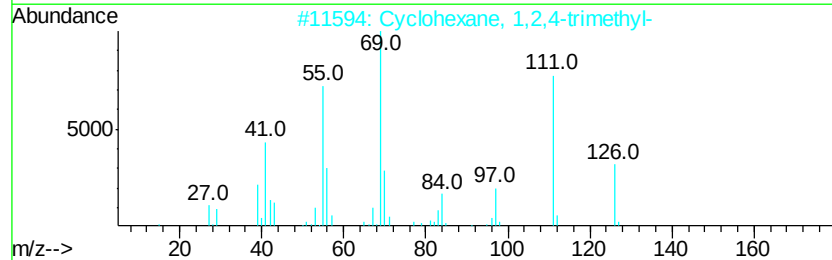
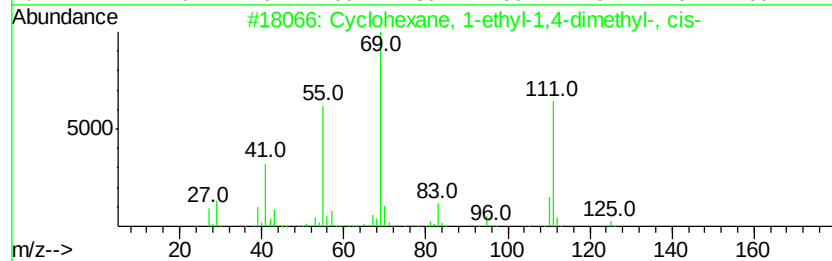
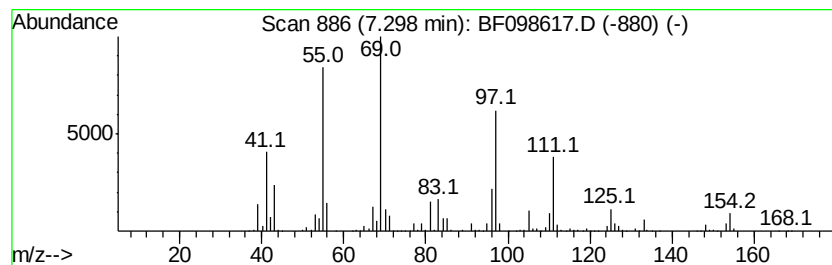
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown7.30 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	22.36 ng	4784750	Napthalene-d8	7.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-30-6	47
2		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	47
3		Cyclopentanecarboxylic acid, cyc...	168	C10H16O2	1000282-76-8	43
4		2,3,4-Trimethyl-hex-3-enal	140	C9H16O	1000193-72-9	43
5		Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
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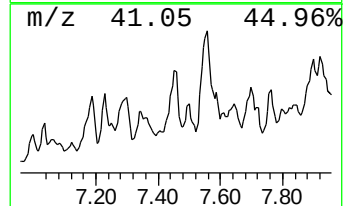
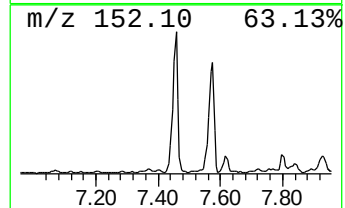
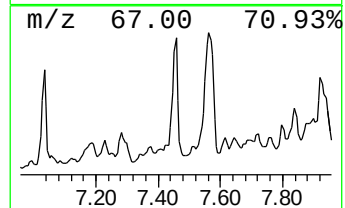
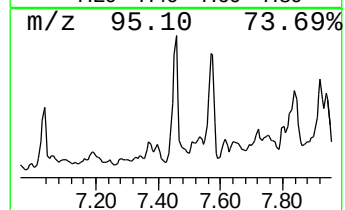
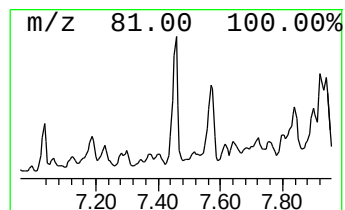
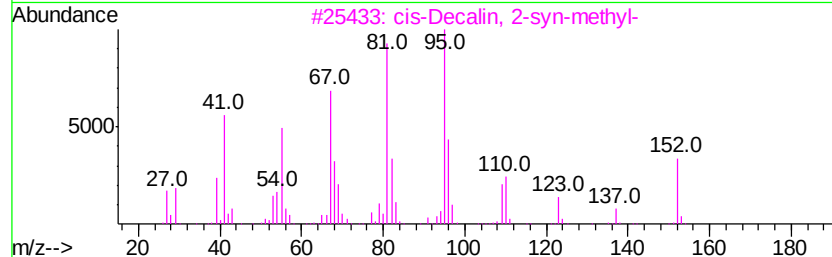
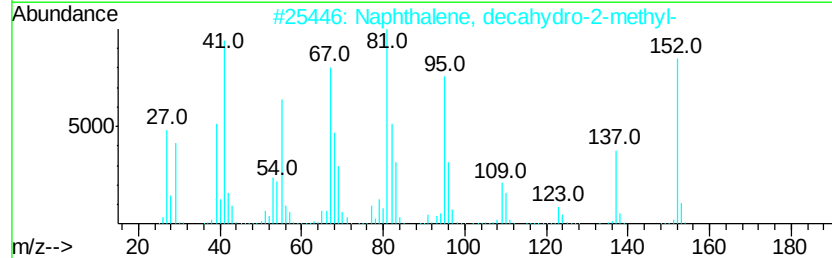
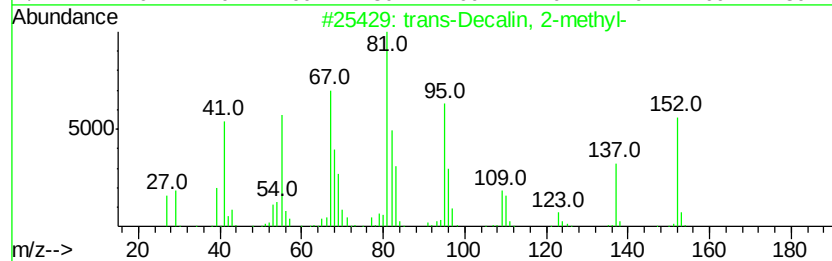
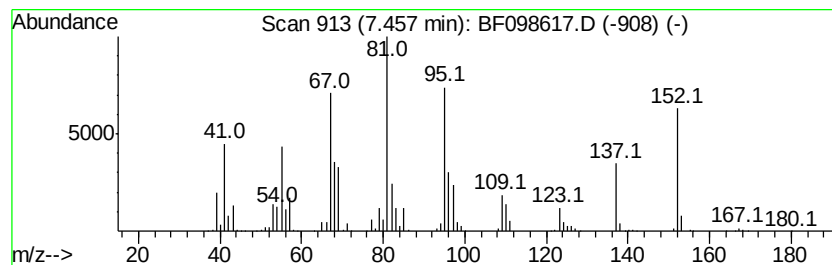
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 trans-Decalin, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	23.65 ng	5061590	Naphthalene-d8	7.93
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3	94
2	Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1	93
3	cis-Decalin, 2-syn-methyl-	152 C11H20	1000155-85-6	86
4	Spiro[4.5]decan-2-one	152 C10H16O	003643-16-1	58
5	Furan, 2-hexyl-	152 C10H16O	003777-70-6	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
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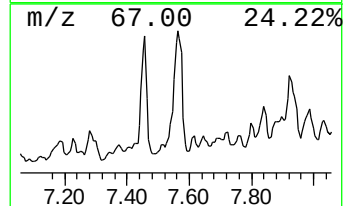
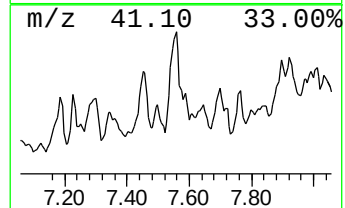
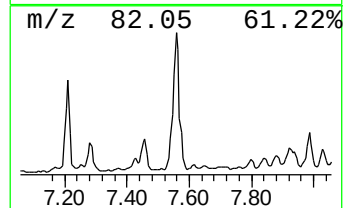
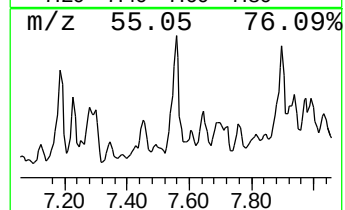
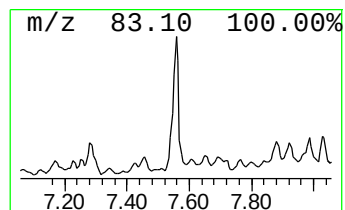
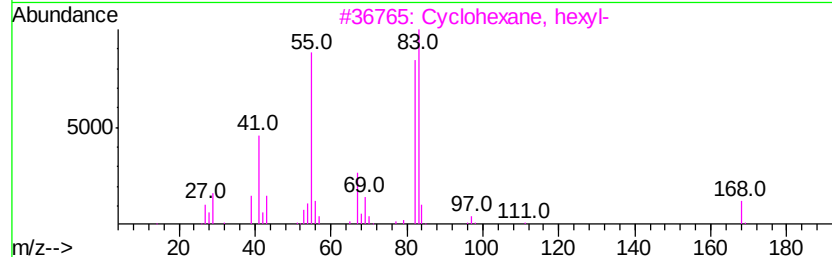
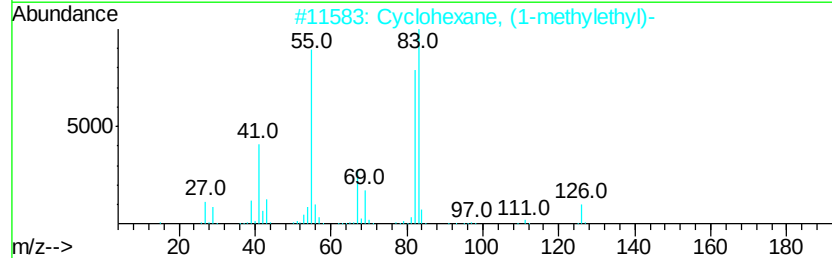
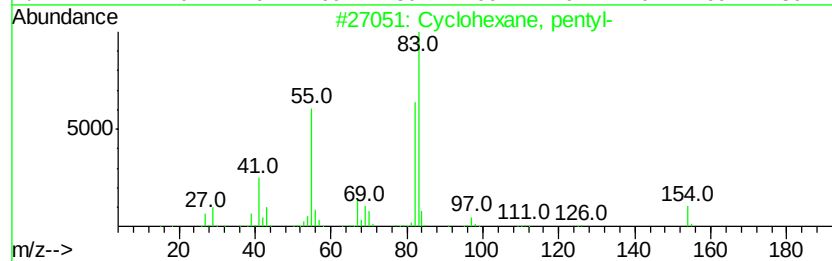
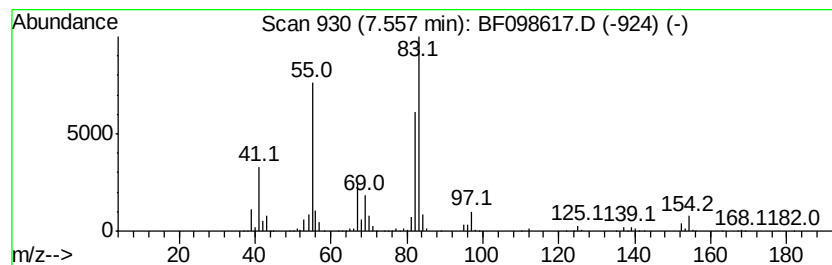
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclohexane, pentyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	55.27 ng	11826600	Napthalene-d8	7.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	83
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	80
3		Cyclohexane, hexyl-	168	C12H24	004292-75-5	72
4		Cyclohexane, octyl-	196	C14H28	001795-15-9	72
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098617.D
Acq On : 18 Sep 2017 22:20
Operator : SJ/JU
Sample : I5265-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

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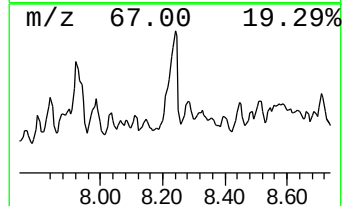
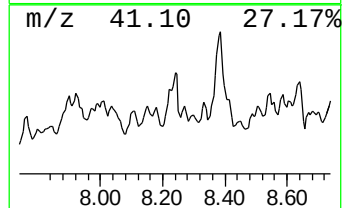
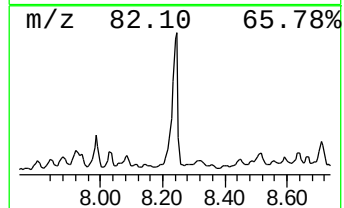
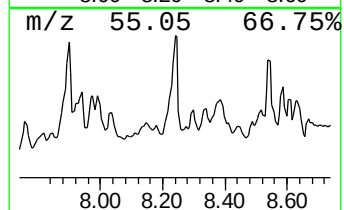
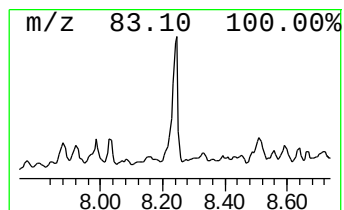
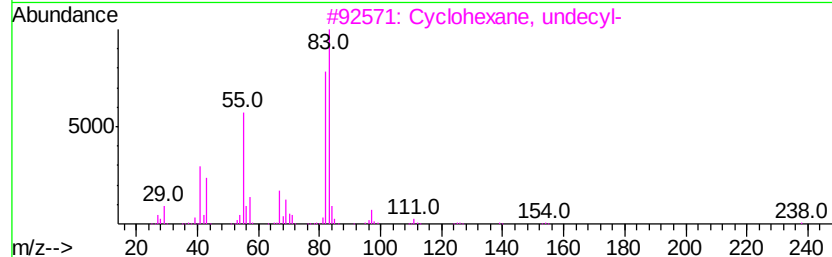
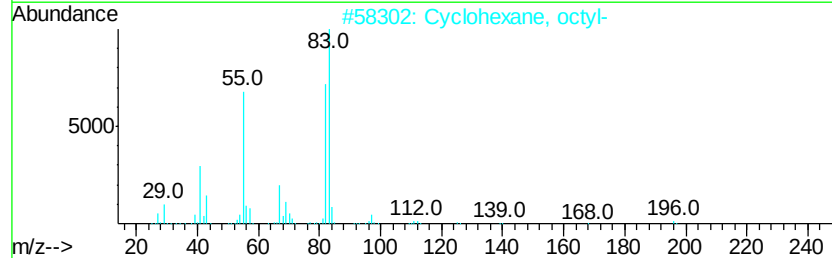
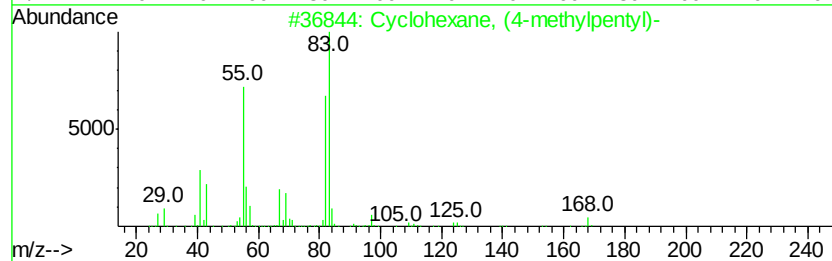
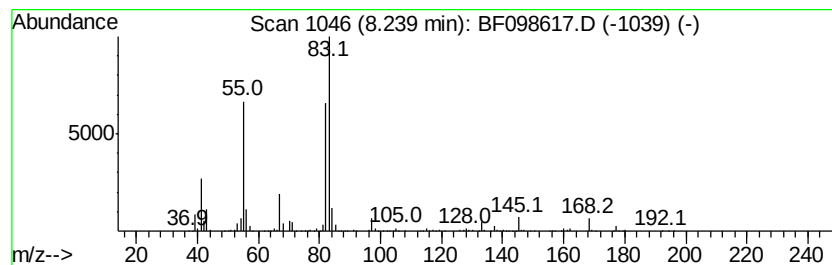
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Cyclohexane, (4-methylpentyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.24	39.95 ng	8548730	Napthalene-d8	7.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	86
2		Cyclohexane, octyl-	196	C14H28	001795-15-9	86
3		Cyclohexane, undecyl-	238	C17H34	054105-66-7	86
4		Cyclohexane, hexyl-	168	C12H24	004292-75-5	86
5		Cyclohexane, butyl-	140	C10H20	001678-93-9	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
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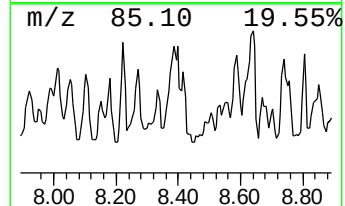
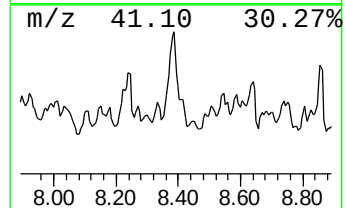
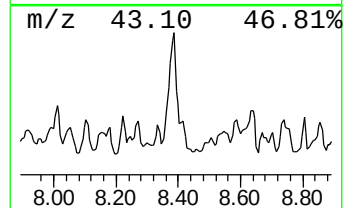
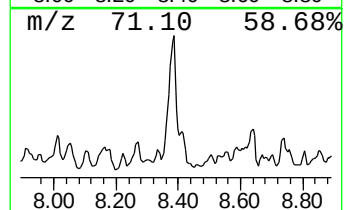
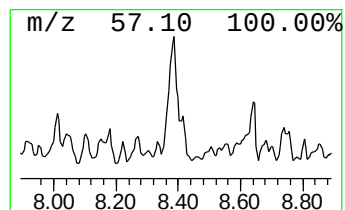
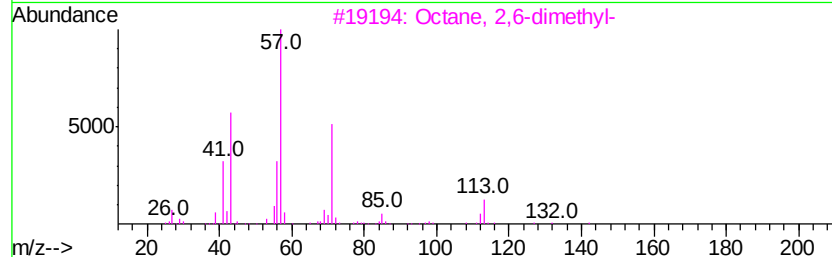
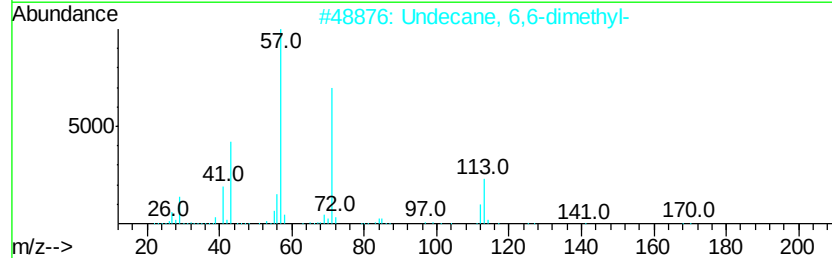
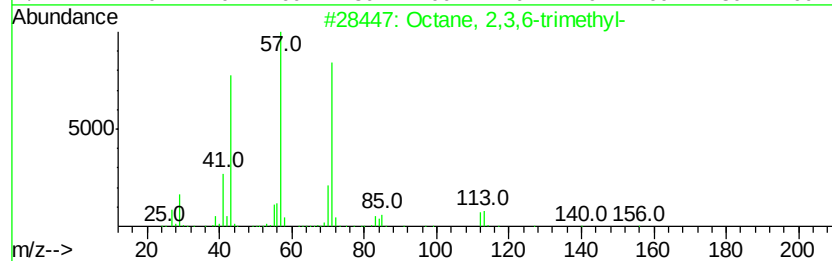
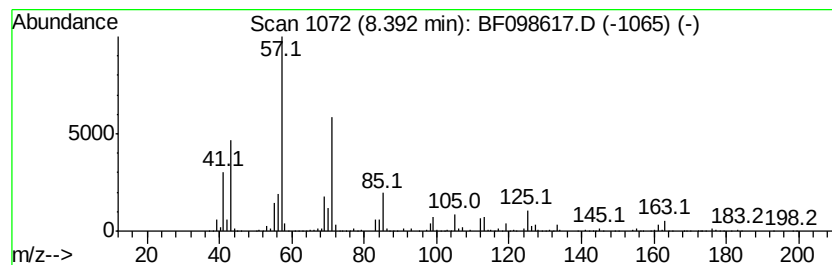
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Octane, 2,3,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	46.24 ng	9893610	Napthalene-d8	7.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	78
2		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4		Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	64
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64



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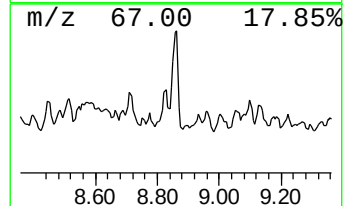
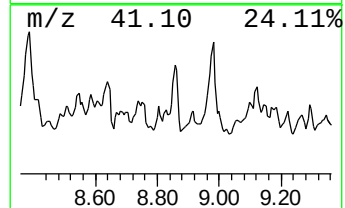
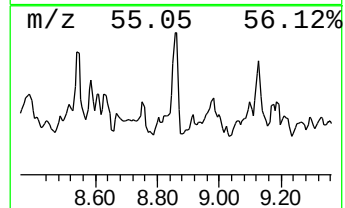
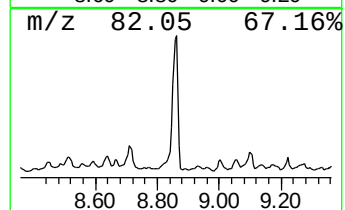
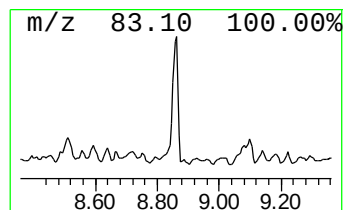
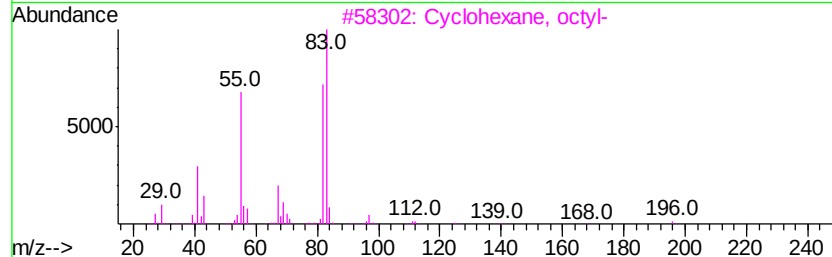
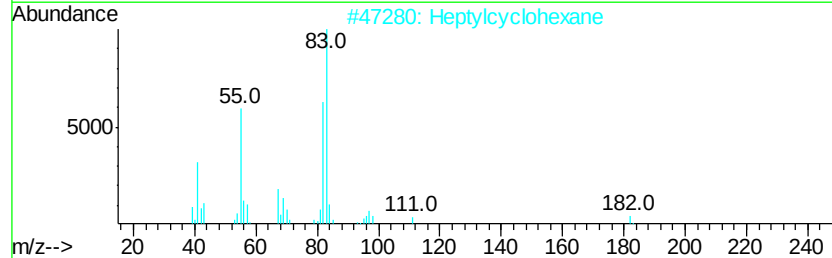
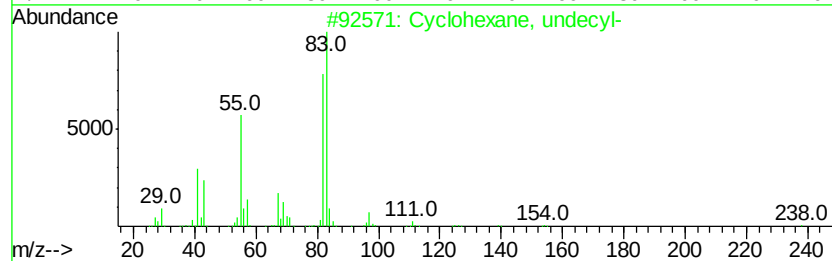
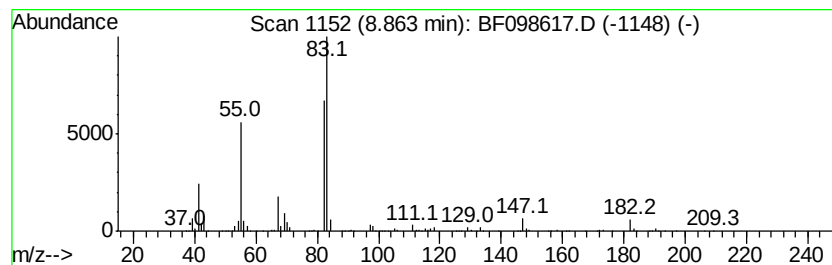
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclohexane, undecyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	53.81 ng	5340920	Acenaphthene-d10	9.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	90
2		Heptylcyclohexane	182	C13H26	005617-41-4	86
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	86
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	72
5		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098617.D
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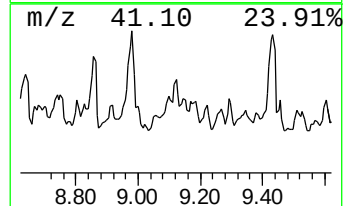
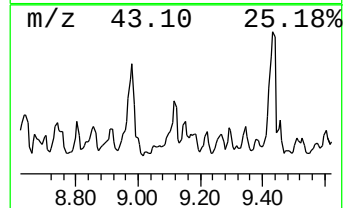
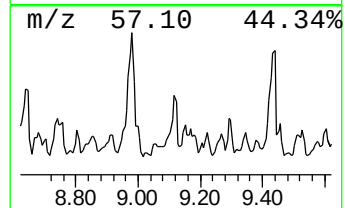
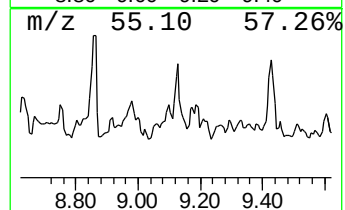
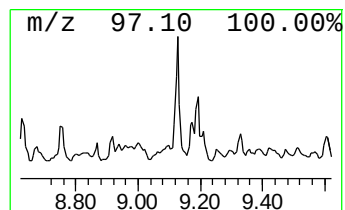
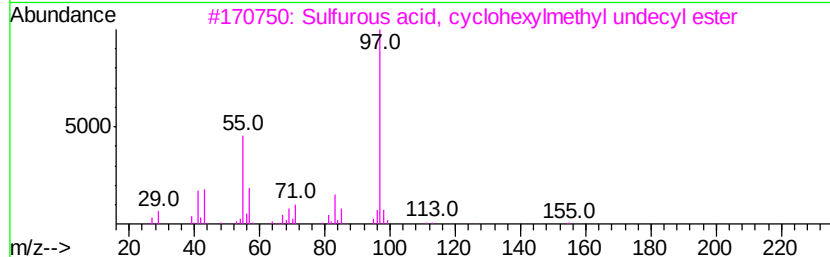
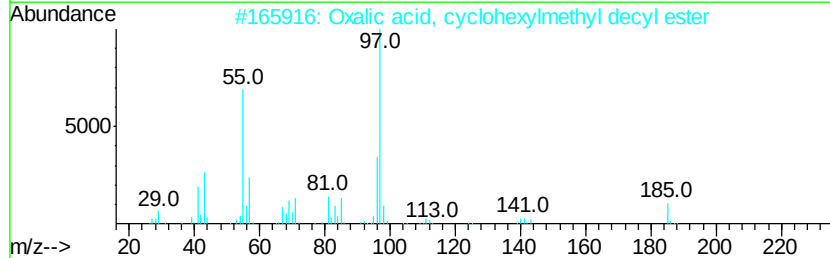
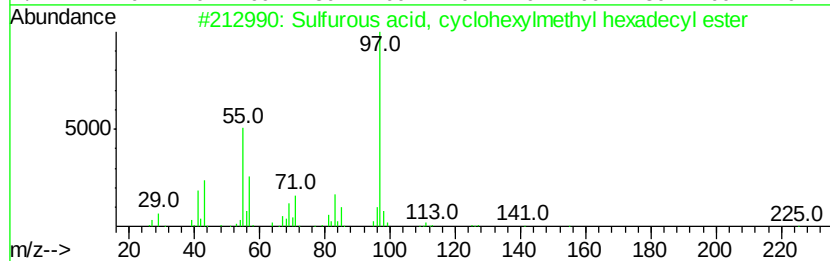
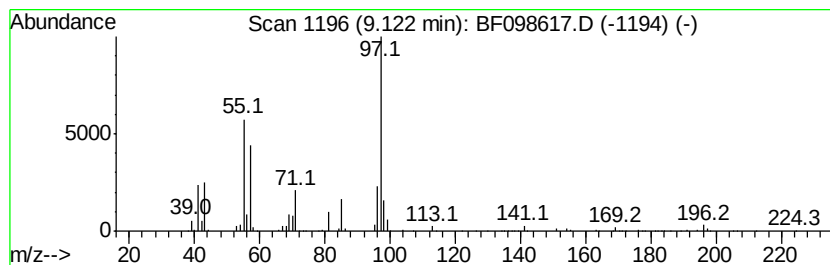
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Sulfurous acid, cyclohexylm... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	33.51 ng	3325990	Acenaphthene-d10	9.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	72
2		Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	64
3		Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	64
4		Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	59
5		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
Data File : BF098617.D
Acq On : 18 Sep 2017 22:20
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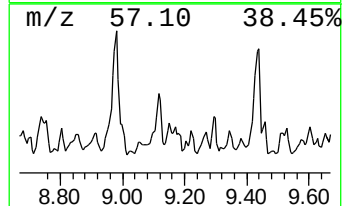
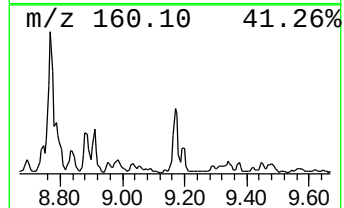
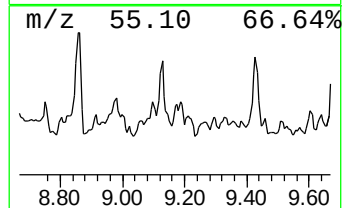
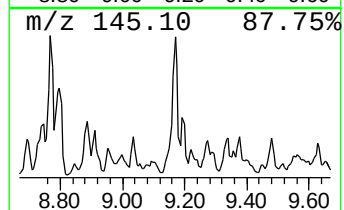
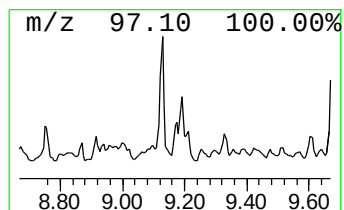
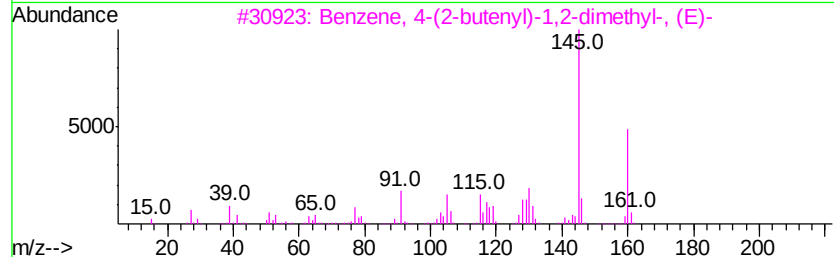
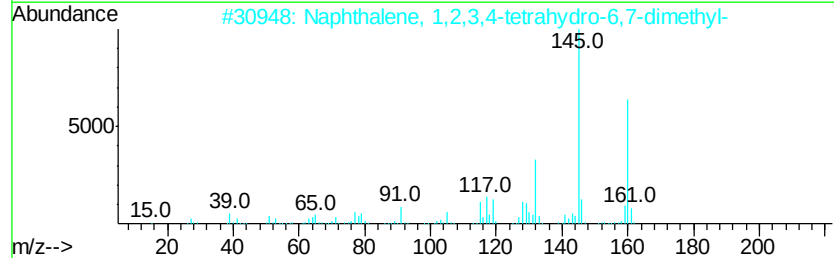
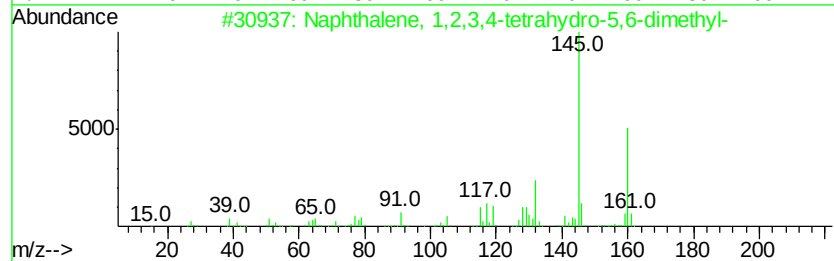
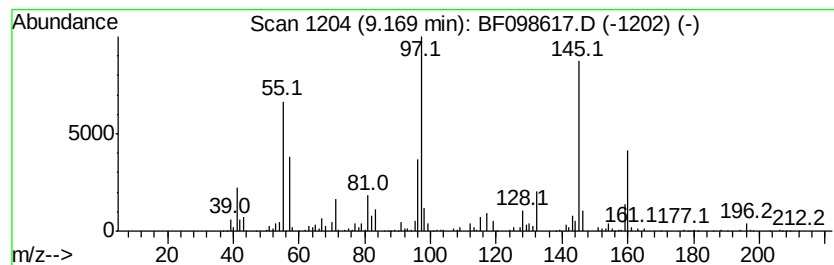
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 1,2,3,4-tetra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	35.87 ng	3559470	Acenaphthene-d10	9.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	53
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	49
3		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	46
4		Benzene, 1-(1-methylethenyl)-4-(...	160	C12H16	002388-14-9	45
5		1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098617.D
Acq On : 18 Sep 2017 22:20
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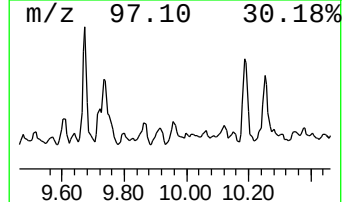
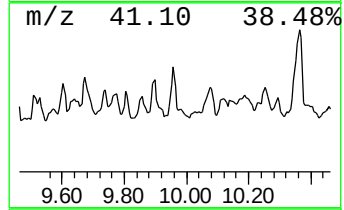
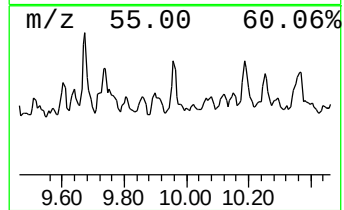
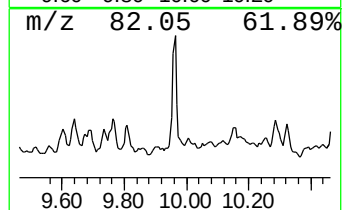
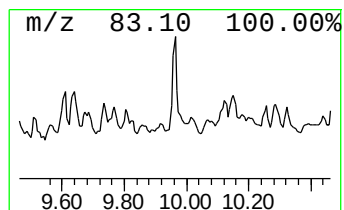
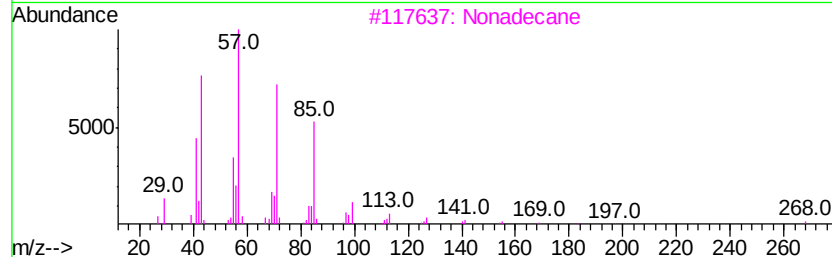
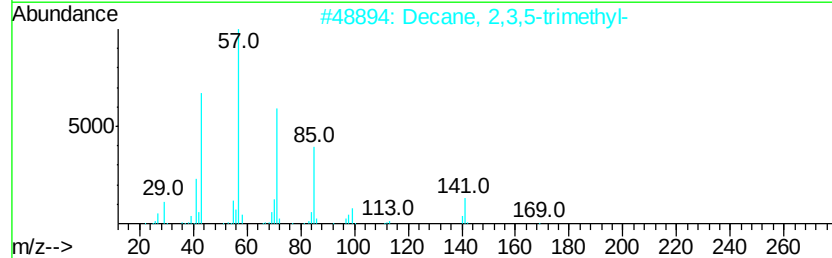
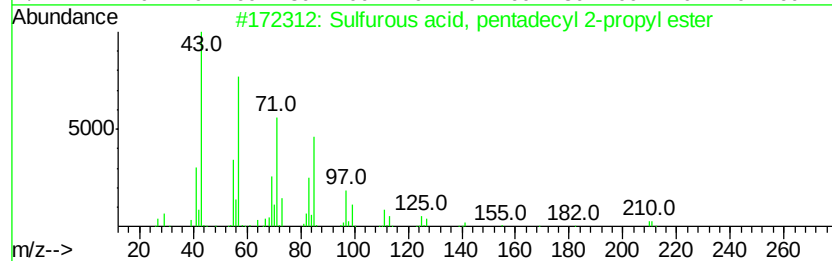
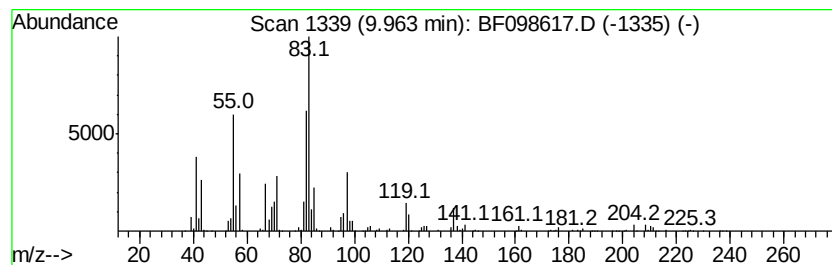
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Sulfurous acid, pentadecyl ... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	36.35 ng	3607870	Acenaphthene-d10	9.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	53
2		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	49
3		Nonadecane	268	C19H40	000629-92-5	49
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	46
5		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
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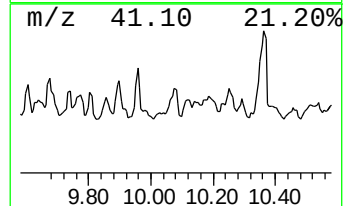
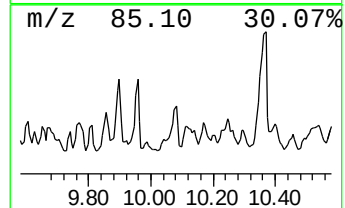
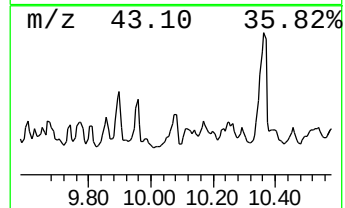
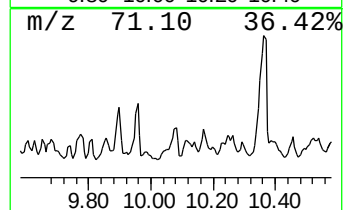
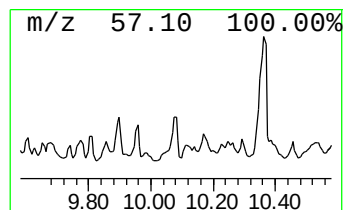
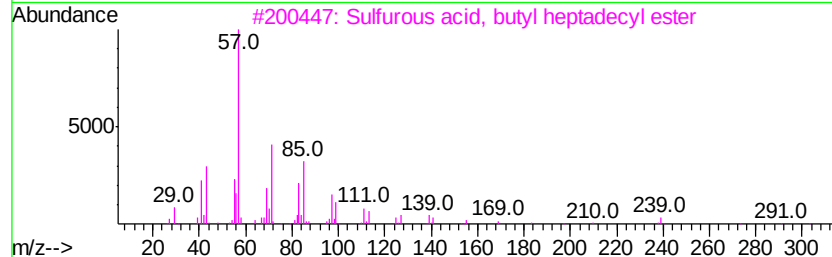
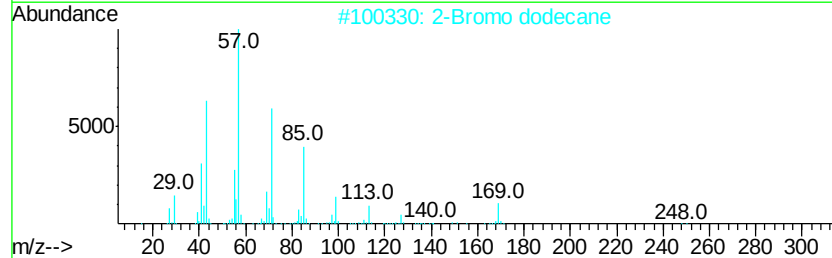
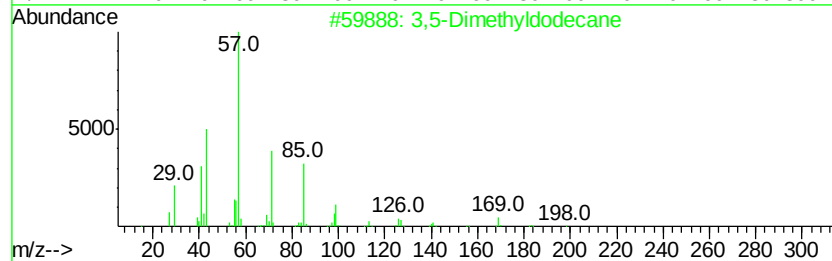
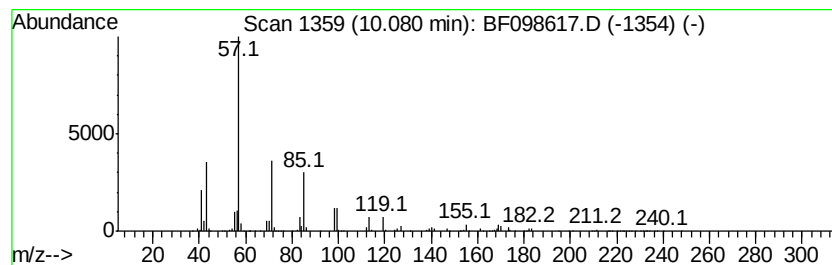
Instrument :
BNA_F
ClientSampleId :
TP-4D46

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 3,5-Dimethyldodecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	24.10 ng	2391750	Acenaphthene-d10	9.69
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3,5-Dimethyldodecane	198 C14H30	107770-99-0	72
2	2-Bromo dodecane	248 C12H25Br	013187-99-0	70
3	Sulfurous acid, butyl heptadecyl...	376 C21H44O3S	1000309-18-4	53
4	Tridecane, 2-methyl-	198 C14H30	001560-96-9	53
5	Sulfurous acid, 2-ethylhexyl iso...	278 C14H30O3S	1000309-19-0	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098617.D
Acq On : 18 Sep 2017 22:20
Operator : SJ/JU
Sample : I5265-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

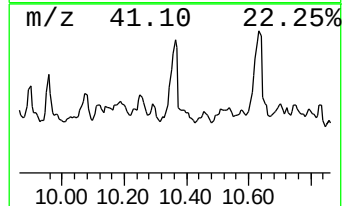
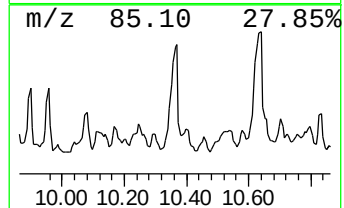
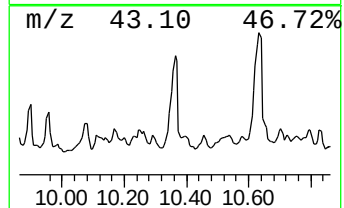
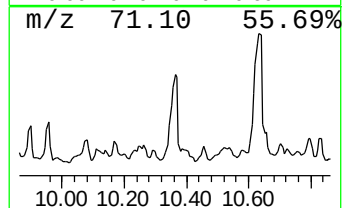
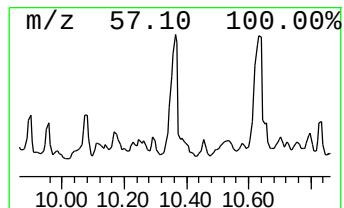
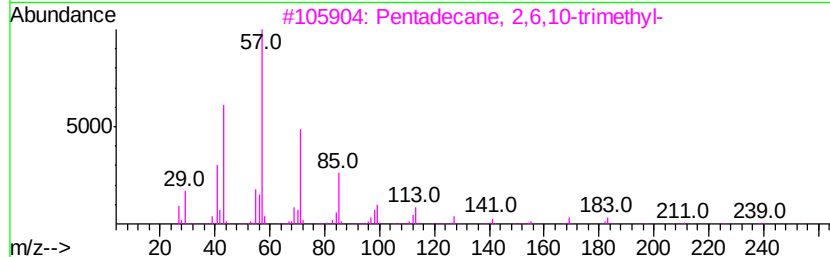
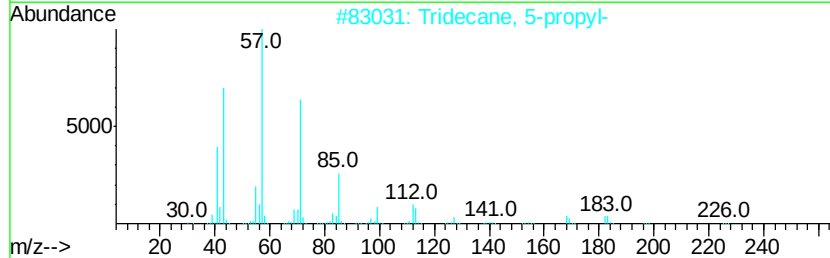
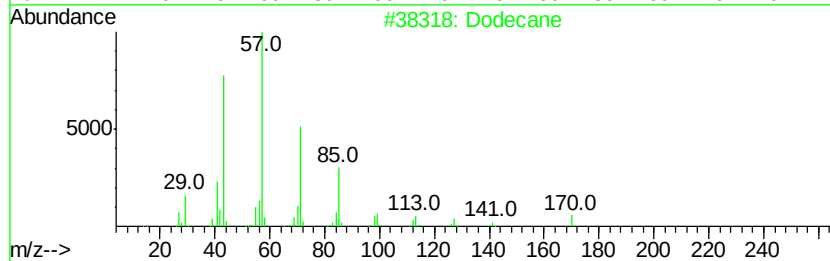
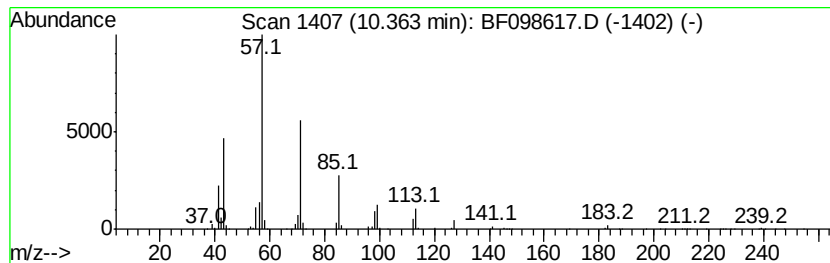
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dodecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.36	68.54 ng	6802410	Acenaphthene-d10	9.69	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	83
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	83
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	83
4	Hexadecane	226	C16H34	000544-76-3	76
5	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
Data File : BF098617.D
Acq On : 18 Sep 2017 22:20
Operator : SJ/JU
Sample : I5265-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

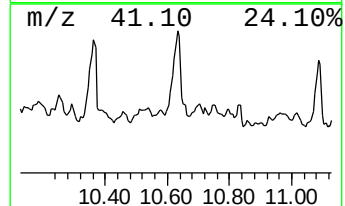
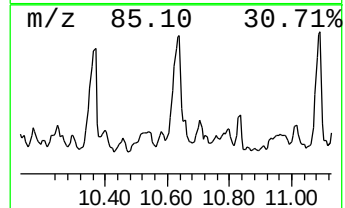
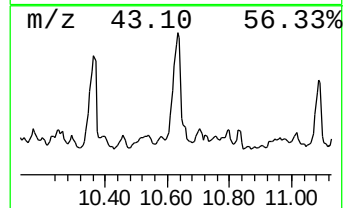
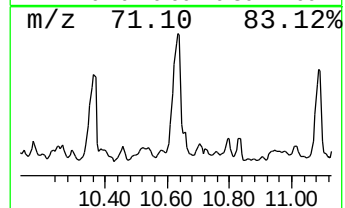
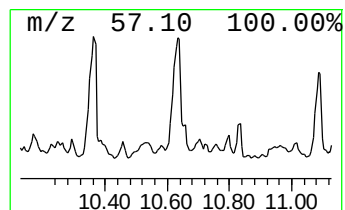
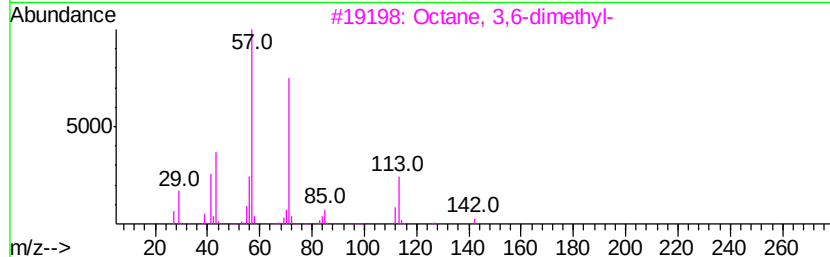
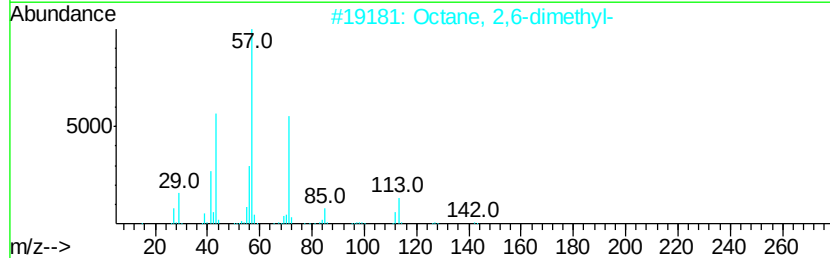
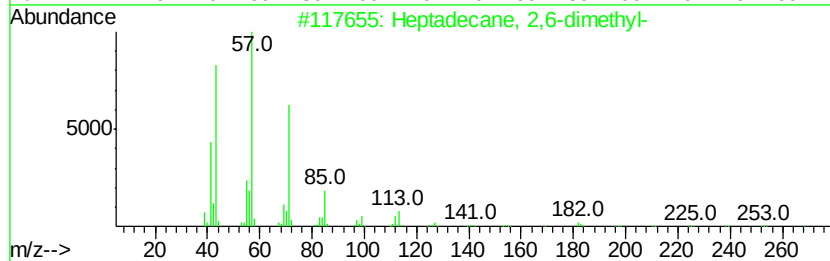
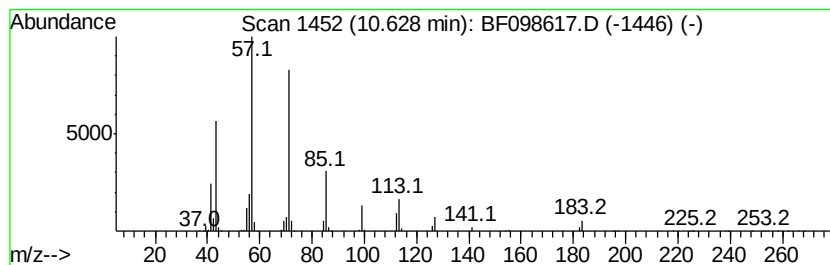
Instrument :
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ClientSampleId :
TP-4D46

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Heptadecane, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	30.96 ng	10318700	Phenanthrene-d10	11.17
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Heptadecane, 2,6-dimethyl-	268 C19H40	054105-67-8 91
2		Octane, 2,6-dimethyl-	142 C10H22	002051-30-1 72
3		Octane, 3,6-dimethyl-	142 C10H22	015869-94-0 64
4		Tridecane, 4-methyl-	198 C14H30	026730-12-1 64
5		Sulfurous acid, butyl octyl ester	250 C12H26O3S	1000309-17-5 59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
 Data File : BF098617.D
 Acq On : 18 Sep 2017 22:20
 Operator : SJ/JU
 Sample : I5265-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4D46

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Undecane, 5,6-dim...	6.07	21.0	ng	1693260	1	6.64	1614430	20.0
Cyclohexane, 1-me...	6.37	24.1	ng	1949640	1	6.64	1614430	20.0
unknown6.41	6.41	42.9	ng	3462290	1	6.64	1614430	20.0
Nonane, 3,7-dimet...	6.76	22.8	ng	1843900	1	6.64	1614430	20.0
unknown6.91	6.91	20.6	ng	1665980	1	6.64	1614430	20.0
Dodecane, 2,5-dim...	7.00	25.1	ng	2025860	1	6.64	1614430	20.0
Naphthalene, deca...	7.03	21.6	ng	1740060	1	6.64	1614430	20.0
unknown7.30	7.30	22.4	ng	4784750	2	7.93	4279620	20.0
trans-Decalin, 2-...	7.46	23.6	ng	5061590	2	7.93	4279620	20.0
Cyclohexane, pentyl-	7.56	55.3	ng	11826600	2	7.93	4279620	20.0
Cyclohexane, (4-m...	8.24	40.0	ng	8548730	2	7.93	4279620	20.0
Octane, 2,3,6-tri...	8.39	46.2	ng	9893610	2	7.93	4279620	20.0
Cyclohexane, unde...	8.86	53.8	ng	5340920	3	9.69	1984930	20.0
Sulfurous acid, c...	9.12	33.5	ng	3325990	3	9.69	1984930	20.0
Naphthalene, 1,2,...	9.17	35.9	ng	3559470	3	9.69	1984930	20.0
Sulfurous acid, p...	9.96	36.4	ng	3607870	3	9.69	1984930	20.0
3,5-Dimethyldodecane	10.08	24.1	ng	2391750	3	9.69	1984930	20.0
Dodecane	10.36	68.5	ng	6802410	3	9.69	1984930	20.0
Heptadecane, 2,6-...	10.63	31.0	ng	10318700	4	11.17	6666800	20.0