

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082318\
 Data File : BF108459.D
 Acq On : 24 Aug 2018 9:33
 Operator : JU/SJ
 Sample : J4559-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-WSW-20-049

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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	5.242	490	494	500	rBV	107599	139146	4.63%	0.222%
2	5.625	552	559	569	rBV2	2509341	2756757	91.80%	4.391%
3	5.825	590	593	596	rVB	164221	135351	4.51%	0.216%
4	5.860	596	599	603	rBV2	218629	250282	8.33%	0.399%
5	6.031	620	628	631	rBV2	320743	439939	14.65%	0.701%
6	6.066	631	634	636	rBV	151358	140110	4.67%	0.223%
7	6.142	645	647	649	rVV	137788	120734	4.02%	0.192%
8	6.166	649	651	654	rVV2	299797	252228	8.40%	0.402%
9	6.195	654	656	659	rVV3	101811	101206	3.37%	0.161%
10	6.237	659	663	665	rVV	715734	754284	25.12%	1.201%
11	6.254	665	666	670	rVV	575264	536408	17.86%	0.854%
12	6.295	670	673	676	rVV	695770	652242	21.72%	1.039%
13	6.331	676	679	682	rVV3	201458	271872	9.05%	0.433%
14	6.366	682	685	687	rVV	145123	153895	5.12%	0.245%
15	6.431	692	696	700	rBV3	313856	545754	18.17%	0.869%
16	6.484	700	705	709	rVB4	140699	227266	7.57%	0.362%
17	6.537	709	714	719	rBV2	845810	1181131	39.33%	1.881%
18	6.619	722	728	731	rVV	2304857	2492104	82.99%	3.969%
19	6.648	731	733	735	rVV	366672	348752	11.61%	0.555%
20	6.672	735	737	739	rVV	441046	368796	12.28%	0.587%
21	6.695	739	741	743	rVV	303914	282876	9.42%	0.451%
22	6.737	743	748	750	rVV2	584418	981837	32.70%	1.564%
23	6.772	750	754	760	rVV	2837965	3002956	100.00%	4.783%
24	6.825	760	763	766	rVV2	387972	605200	20.15%	0.964%
25	6.854	766	768	771	rVV	487365	423916	14.12%	0.675%
26	6.878	771	772	774	rVV2	179413	155366	5.17%	0.247%
27	6.907	774	777	779	rVV	292199	357710	11.91%	0.570%
28	6.948	782	784	788	rVV4	434116	777134	25.88%	1.238%
29	7.001	788	793	796	rVV	1971757	2268455	75.54%	3.613%
30	7.036	796	799	801	rVV2	345490	491900	16.38%	0.783%
31	7.095	804	809	813	rVV3	624849	1177048	39.20%	1.875%
32	7.136	813	816	817	rVV2	903629	1065477	35.48%	1.697%
33	7.154	817	819	824	rVV2	1856635	2196507	73.14%	3.498%
34	7.195	824	826	827	rVV2	171604	159130	5.30%	0.253%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.213	827	829	832	rVV2	396326	450770	15.01%	0.718%
36	7.242	832	834	836	rVV2	327035	407825	13.58%	0.650%
37	7.266	836	838	841	rVV	669924	628078	20.92%	1.000%
38	7.313	843	846	847	rVV3	141466	183375	6.11%	0.292%
39	7.331	847	849	852	rVV3	275608	338574	11.27%	0.539%
40	7.395	852	860	862	rVV4	662995	1047591	34.89%	1.669%
41	7.419	862	864	868	rVV3	358298	485000	16.15%	0.772%
42	7.466	868	872	877	rVV5	235034	521805	17.38%	0.831%
43	7.525	877	882	885	rVV3	820601	1294952	43.12%	2.063%
44	7.560	885	888	892	rVV	1779758	2022963	67.37%	3.222%
45	7.595	892	894	896	rVV	233127	200719	6.68%	0.320%
46	7.636	896	901	904	rVV3	485522	901037	30.01%	1.435%
47	7.684	904	909	912	rVV3	317364	497944	16.58%	0.793%
48	7.725	912	916	919	rVV4	195963	349659	11.64%	0.557%
49	7.760	919	922	925	rVV2	528899	530729	17.67%	0.845%
50	7.789	925	927	928	rVV	185092	171415	5.71%	0.273%
51	7.807	928	930	936	rVV3	307700	353165	11.76%	0.562%
52	7.860	936	939	941	rVV3	104869	136416	4.54%	0.217%
53	7.889	941	944	946	rVV	323227	300769	10.02%	0.479%
54	7.919	946	949	955	rVB4	342872	377691	12.58%	0.602%
55	8.019	962	966	974	rVB	348274	404513	13.47%	0.644%
56	8.089	974	978	982	rVB4	88043	97545	3.25%	0.155%
57	8.142	985	987	990	rVB2	144308	122337	4.07%	0.195%
58	8.283	1006	1011	1016	rBV	1109834	979667	32.62%	1.560%
59	8.325	1016	1018	1021	rVB	230617	181861	6.06%	0.290%
60	8.360	1021	1024	1030	rVB3	92130	90407	3.01%	0.144%
61	8.560	1055	1058	1063	rVB3	80689	85293	2.84%	0.136%
62	9.354	1189	1193	1197	rBV	2275479	1819709	60.60%	2.898%
63	9.701	1248	1252	1256	rBV5	49424	76382	2.54%	0.122%
64	9.748	1256	1260	1263	rVB	603942	555501	18.50%	0.885%
65	10.042	1304	1310	1314	rBV	866350	886276	29.51%	1.412%
66	10.077	1314	1316	1319	rVB	160592	120958	4.03%	0.193%
67	10.430	1373	1376	1382	rBV	354834	359866	11.98%	0.573%
68	10.595	1400	1404	1410	rVB	157430	169262	5.64%	0.270%
69	10.672	1413	1417	1420	rVV3	98127	120175	4.00%	0.191%
70	10.836	1441	1445	1449	rBV	1169700	1073594	35.75%	1.710%
71	10.942	1458	1463	1470	rVB	177579	250803	8.35%	0.399%

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72	11.377	1534	1537	1539	rBV2	80895	87516	2.91%	0.139%
73	11.407	1539	1542	1544	rVV2	121431	144772	4.82%	0.231%
74	11.542	1561	1565	1567	rBV	836748	841843	28.03%	1.341%
75	11.566	1567	1569	1572	rVV	1719914	1316172	43.83%	2.096%
76	11.613	1574	1577	1581	rVV	480007	468263	15.59%	0.746%
77	11.766	1599	1603	1608	rBV2	136648	203112	6.76%	0.324%
78	12.042	1647	1650	1652	rBV	216936	184660	6.15%	0.294%
79	12.071	1652	1655	1659	rVB2	292187	252774	8.42%	0.403%
80	12.118	1660	1663	1666	rVB	145531	126270	4.20%	0.201%
81	12.160	1666	1670	1672	rBV2	426933	456278	15.19%	0.727%
82	12.336	1697	1700	1702	rBV	174692	138852	4.62%	0.221%
83	12.366	1702	1705	1708	rVB	115243	91046	3.03%	0.145%
84	12.595	1741	1744	1747	rBV2	125728	175153	5.83%	0.279%
85	12.683	1757	1759	1761	rBV2	113469	84206	2.80%	0.134%
86	12.766	1769	1773	1776	rBV	2885215	2650751	88.27%	4.222%
87	12.795	1776	1778	1780	rVB2	125631	102943	3.43%	0.164%
88	12.977	1805	1809	1810	rBV2	660005	716849	23.87%	1.142%
89	13.001	1810	1813	1817	rVB	2265509	2181552	72.65%	3.475%
90	13.036	1817	1819	1826	rVB2	154173	152041	5.06%	0.242%
91	13.124	1830	1834	1837	rVB	1473320	1349495	44.94%	2.149%
92	13.318	1864	1867	1871	rVB	520967	502865	16.75%	0.801%
93	13.389	1876	1879	1881	rVB	450181	416805	13.88%	0.664%
94	13.971	1976	1978	1980	rBV	212404	163374	5.44%	0.260%
95	14.189	2012	2015	2019	rBV3	1320018	1856499	61.82%	2.957%
96	14.224	2019	2021	2028	rVB	1191911	1074157	35.77%	1.711%
97	14.307	2033	2035	2040	rBV2	232337	291466	9.71%	0.464%
98	15.295	2199	2203	2206	rBV	606231	931526	31.02%	1.484%
99	15.624	2256	2259	2265	rVB	410765	581646	19.37%	0.926%
100	15.695	2267	2271	2275	rVB	624981	834159	27.78%	1.329%

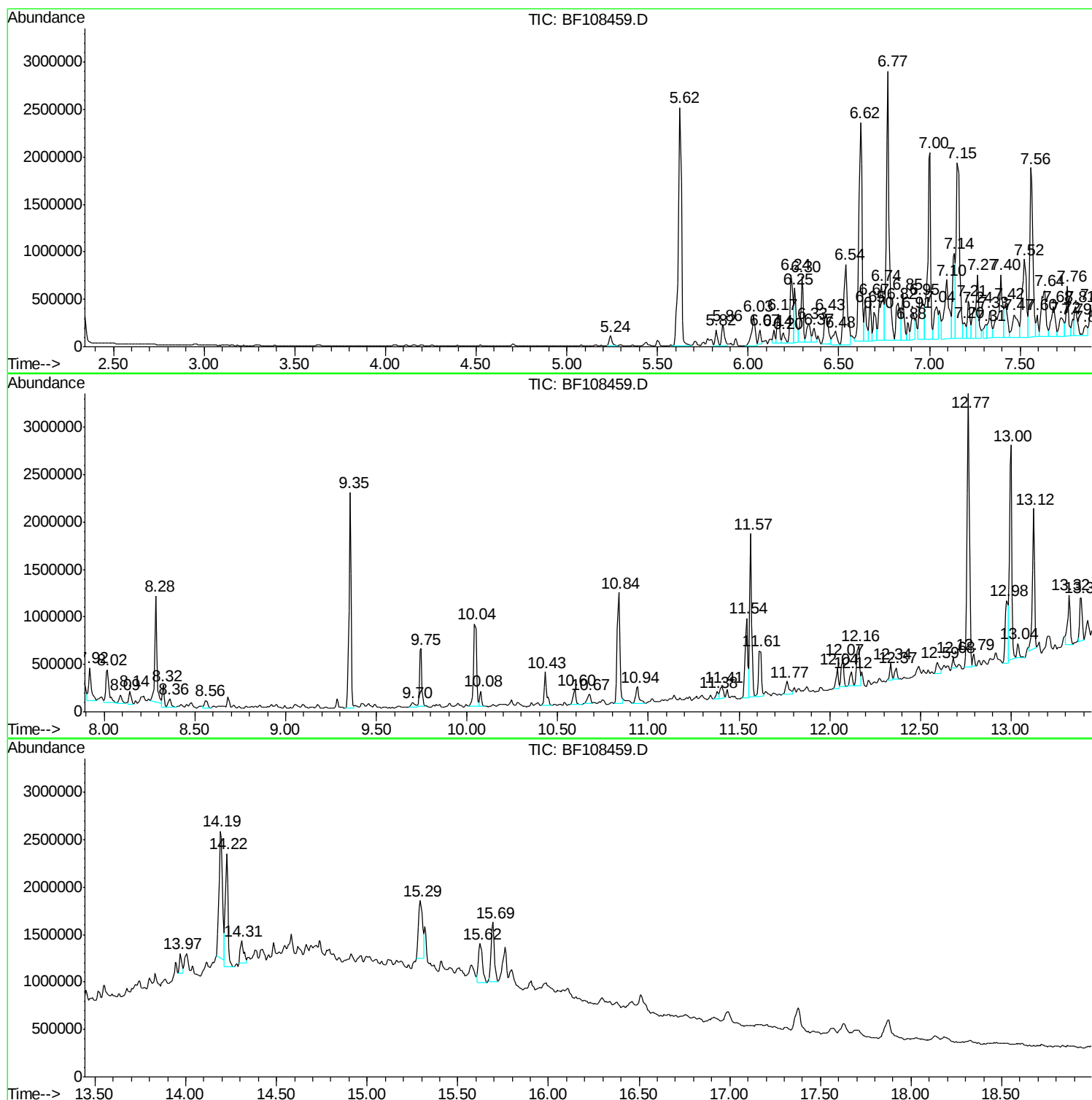
Sum of corrected areas: 62785440

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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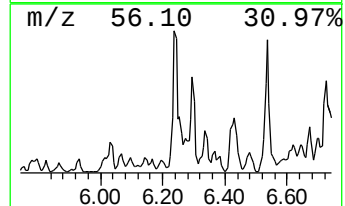
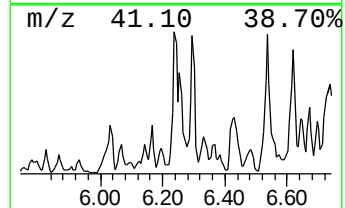
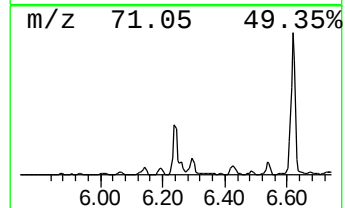
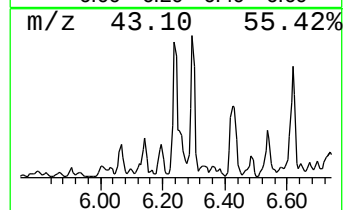
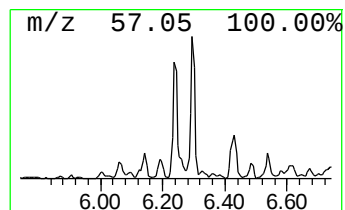
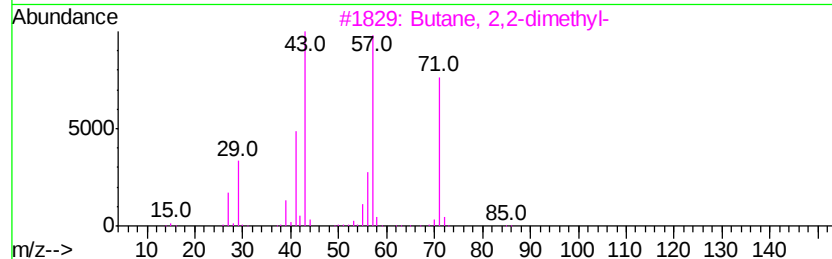
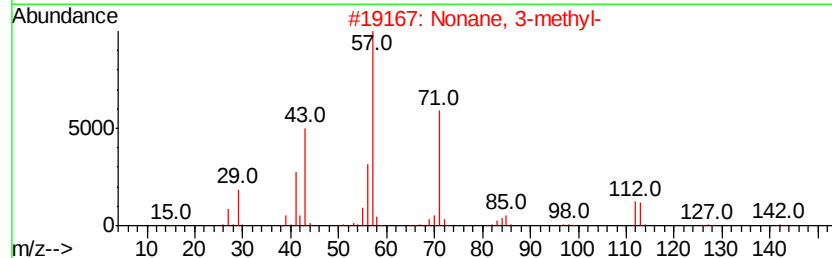
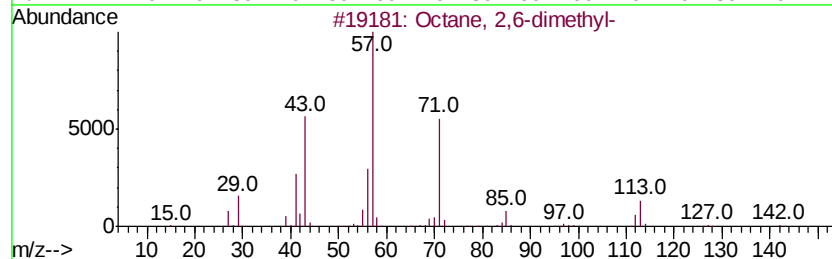
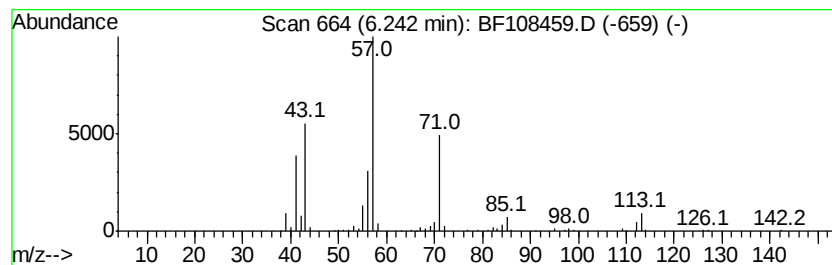
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.24	6.65 ng	754284	1,4-Dichlorobenzene-d4	7.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	64
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
5	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	64



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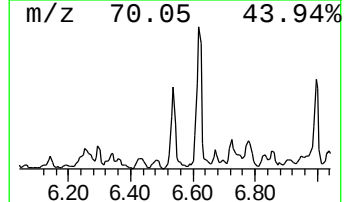
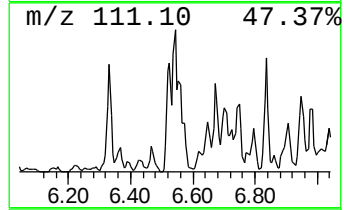
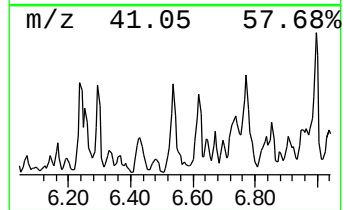
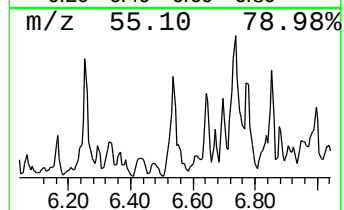
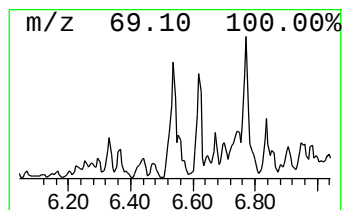
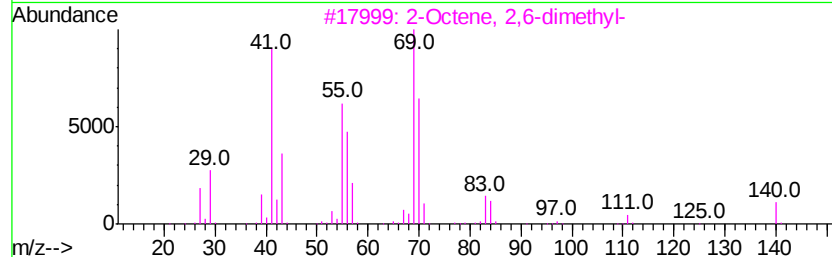
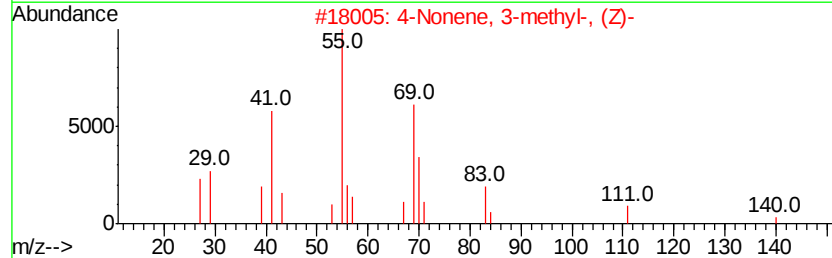
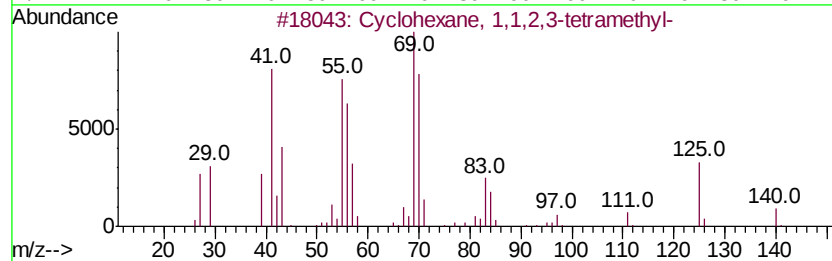
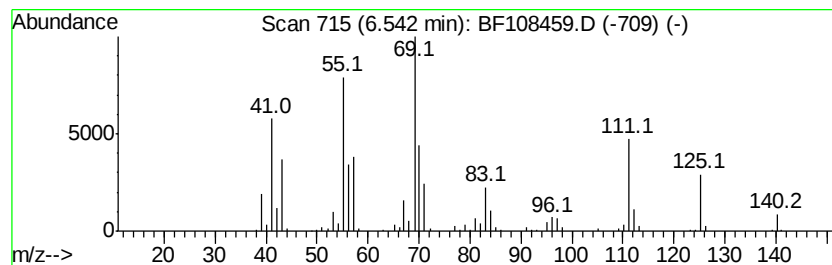
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	10.41 ng	1181130	1,4-Dichlorobenzene-d4	7.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	81
2			4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	53
3			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	53
4			3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	50
5			4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	50



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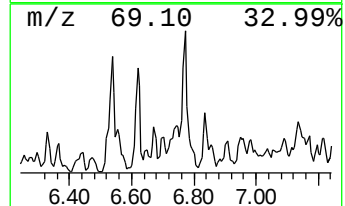
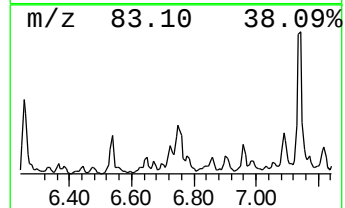
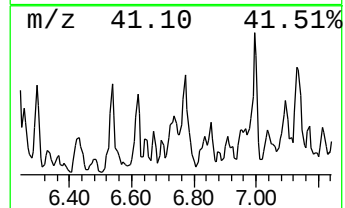
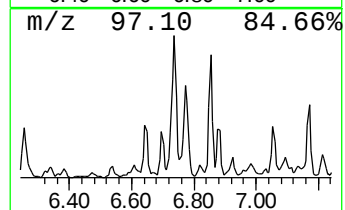
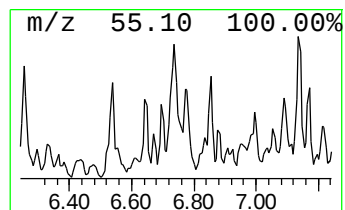
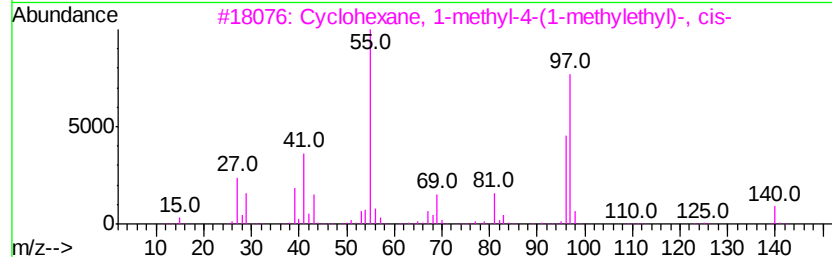
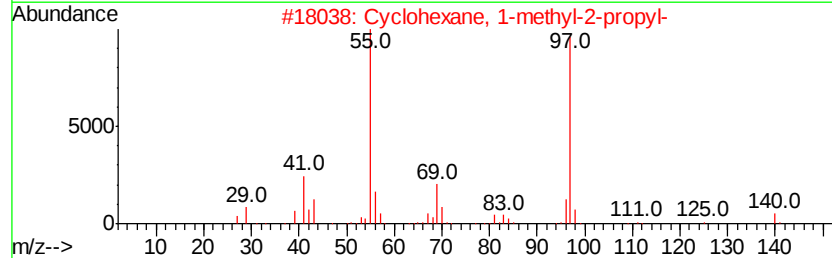
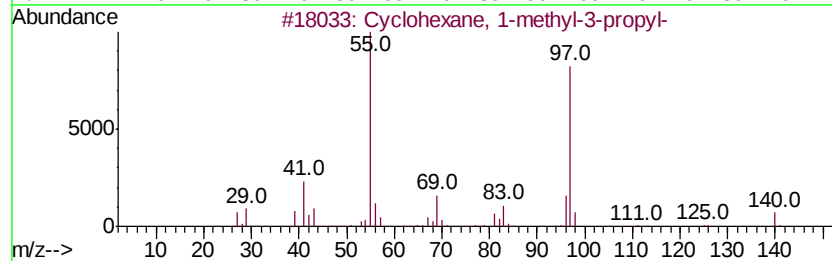
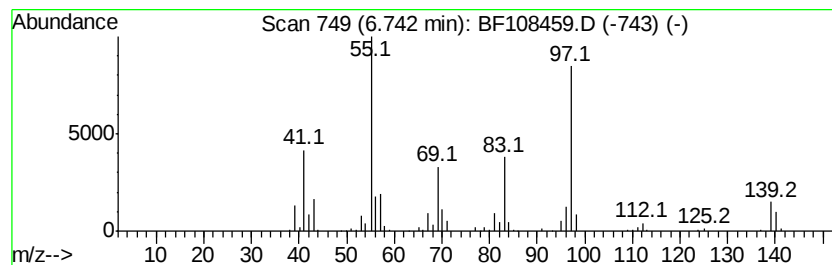
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, 1-methyl-3-pro... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	8.66 ng	981837	1,4-Dichlorobenzene-d4	7.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	91
2		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	83
3		Cyclohexane, 1-methyl-4-(1-methyl-...)	140	C10H20	006069-98-3	72
4		Cyclohexane, 1-methyl-4-(1-methyl-...)	140	C10H20	001678-82-6	72
5		Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	64



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Data File : BF108459.D
Acq On : 24 Aug 2018 9:33
Operator : JU/SJ
Sample : J4559-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

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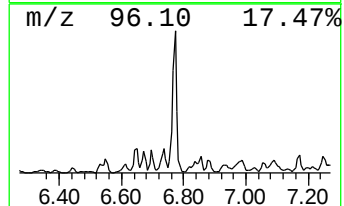
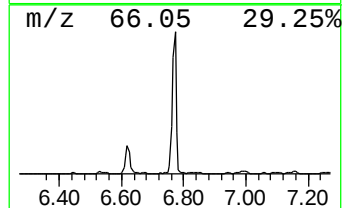
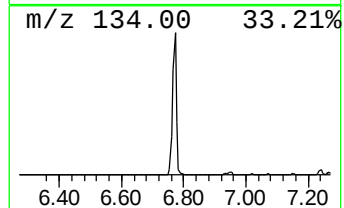
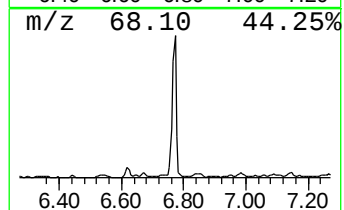
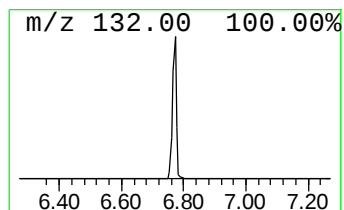
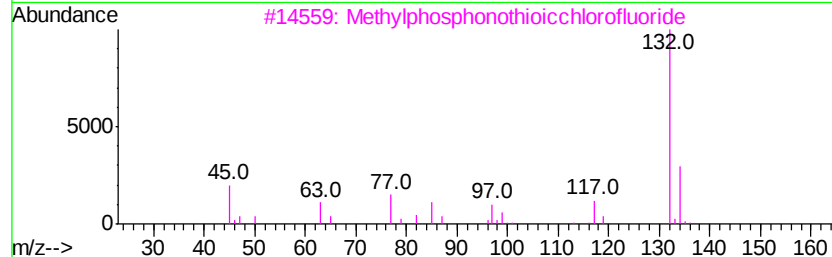
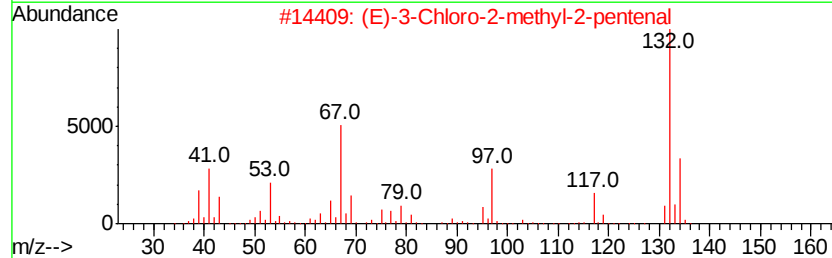
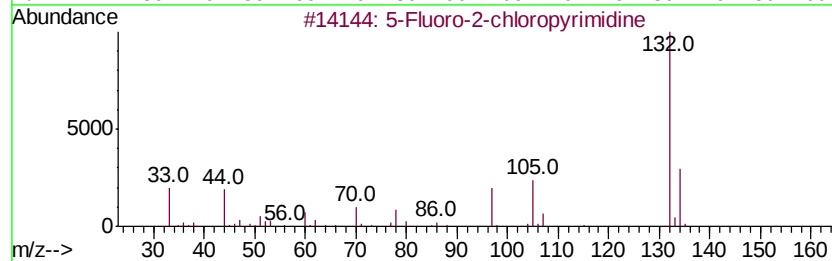
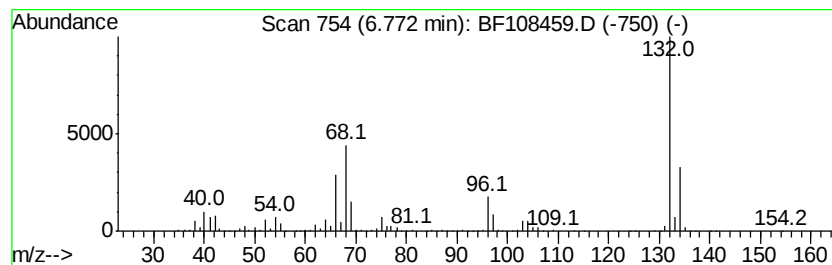
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown6.77 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	26.48 ng	3002960	1,4-Dichlorobenzene-d4	7.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Methylphosphonothioicchlorofluoride	132	CH3ClFPS	027127-27-1	12
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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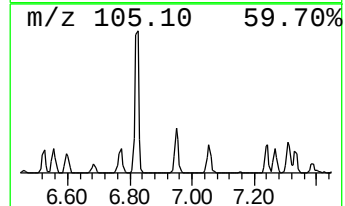
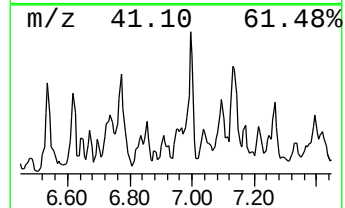
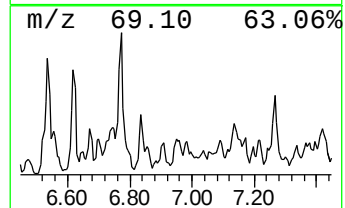
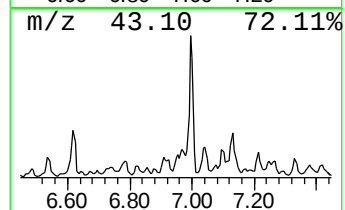
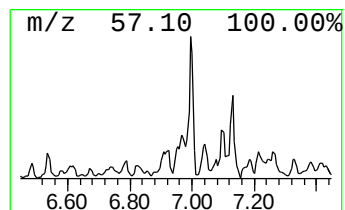
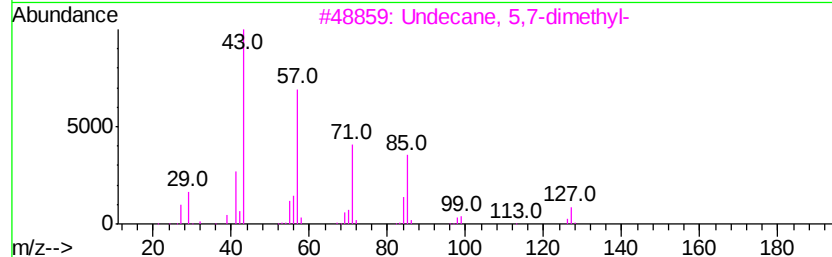
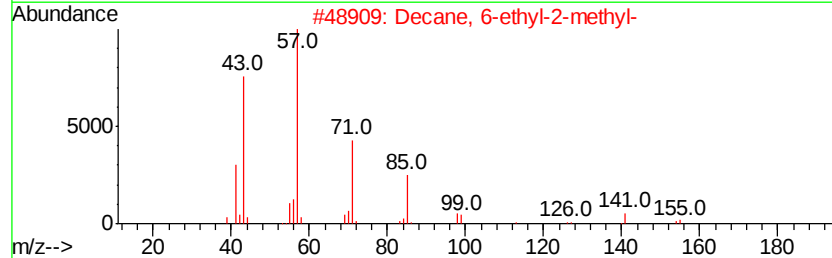
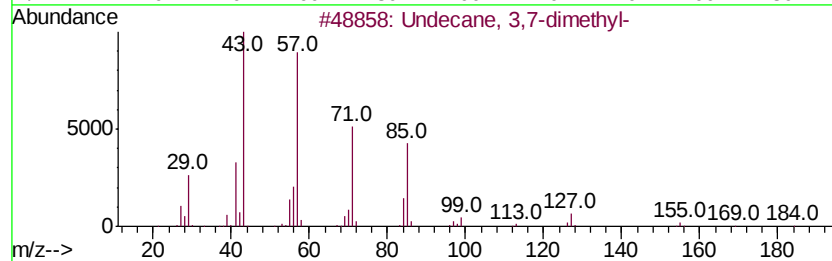
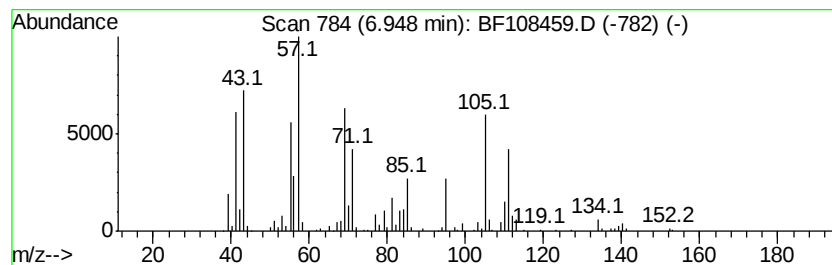
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown6.95 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	6.85 ng	777134	1,4-Dichlorobenzene-d4	7.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	38
2		Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	35
3		Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	35
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	35
5		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	30



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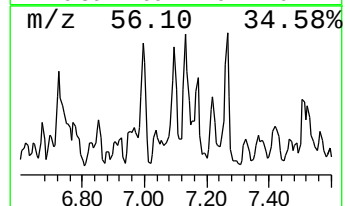
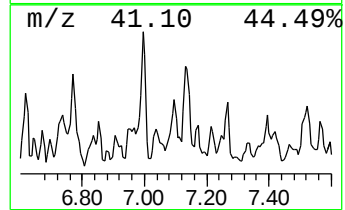
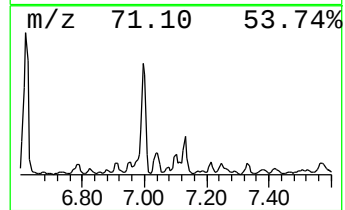
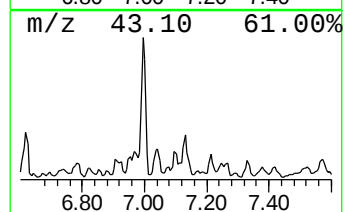
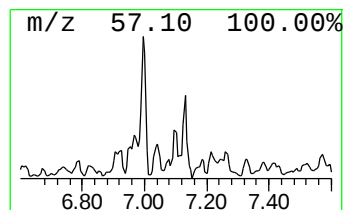
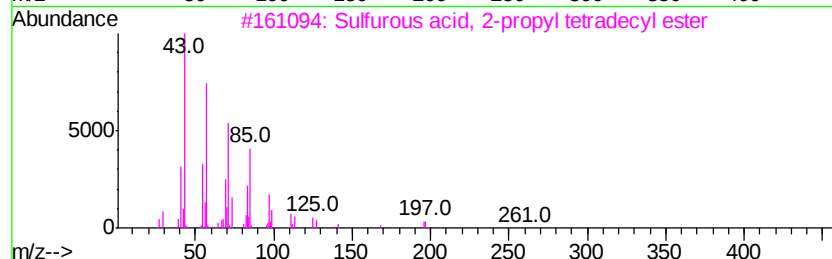
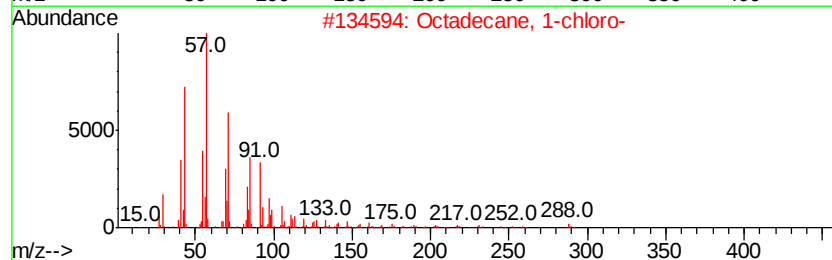
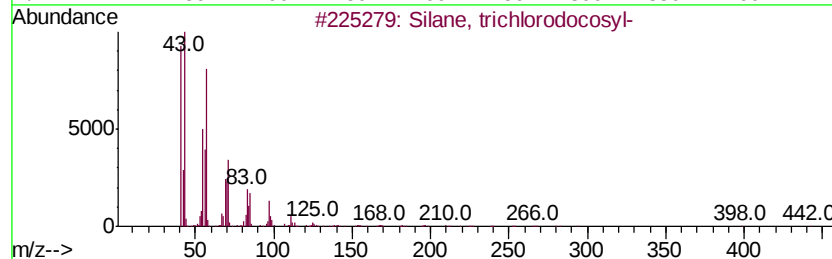
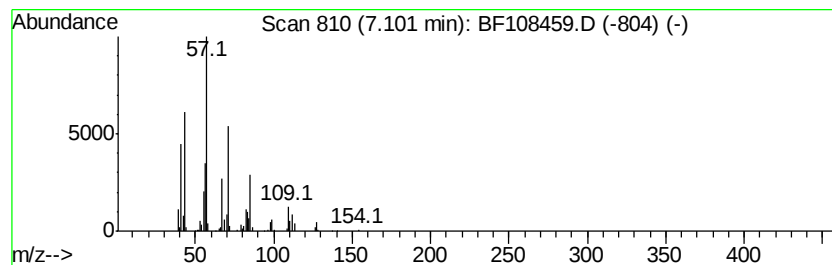
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Silane, trichlorodocosyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	10.38 ng	1177050	1,4-Dichlorobenzene-d4	7.00

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Silane, trichlorodocosyl-	442	C22H45Cl3Si	007325-84-0	64
2		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	43
3		Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1000309-12-5	38
4		Tetratetracontane	619	C44H90	007098-22-8	38
5		Hexadecane	226	C16H34	000544-76-3	27



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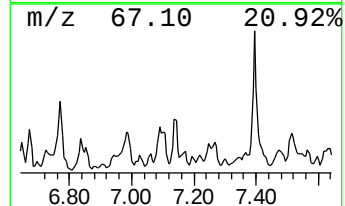
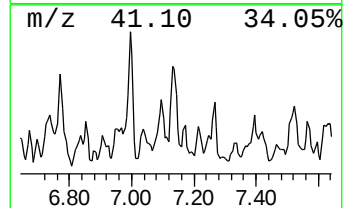
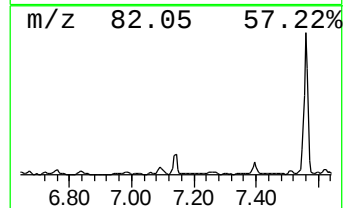
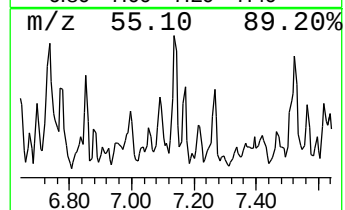
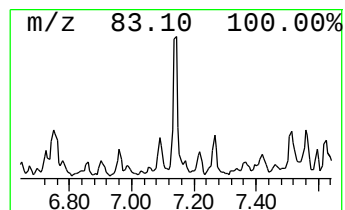
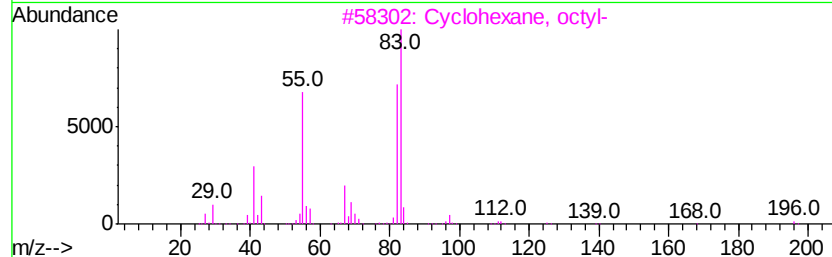
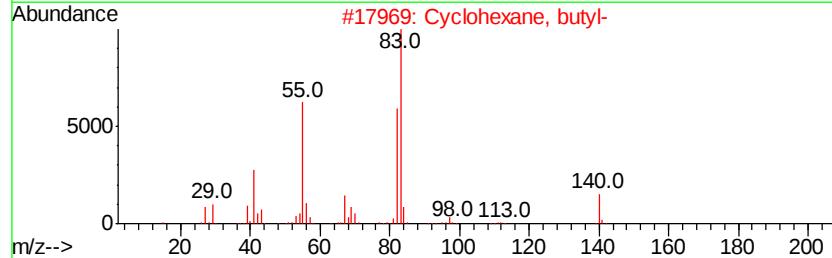
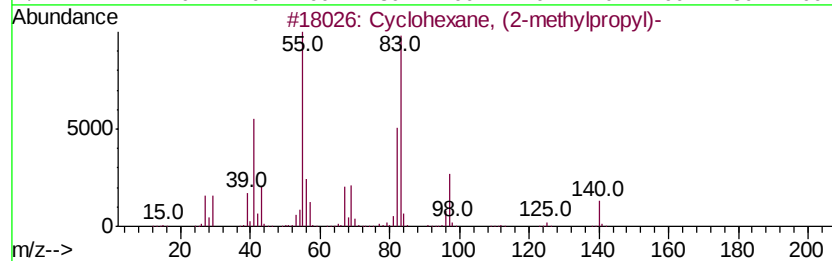
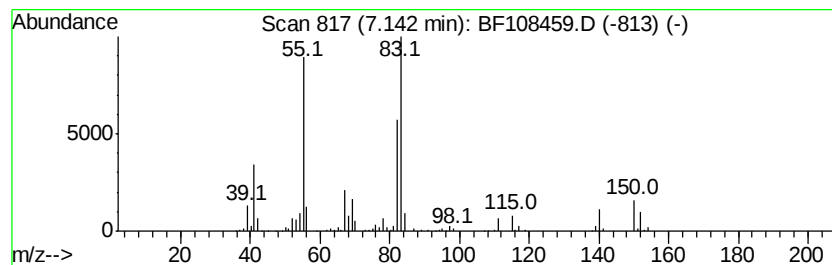
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclohexane, (2-methylpropyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	9.39 ng	1065480	1,4-Dichlorobenzene-d4	7.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	87
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	87
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	64
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	53
5		Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	49



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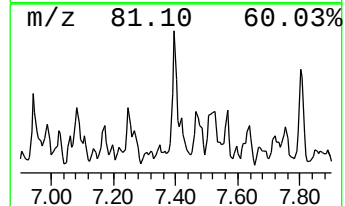
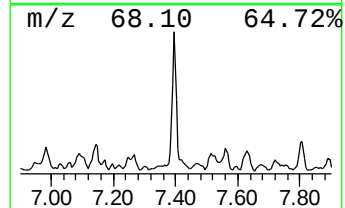
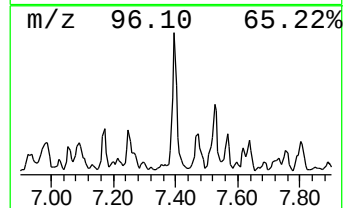
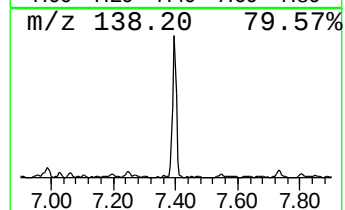
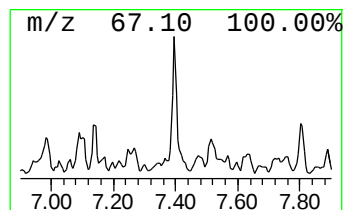
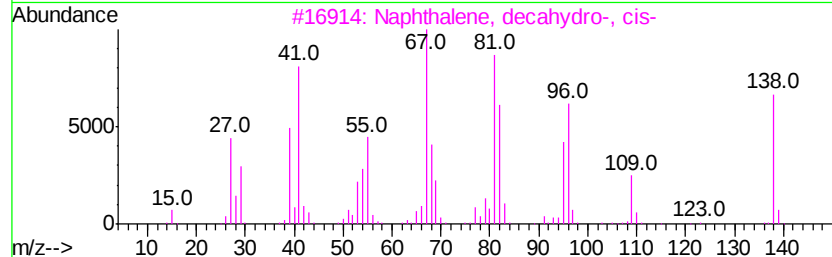
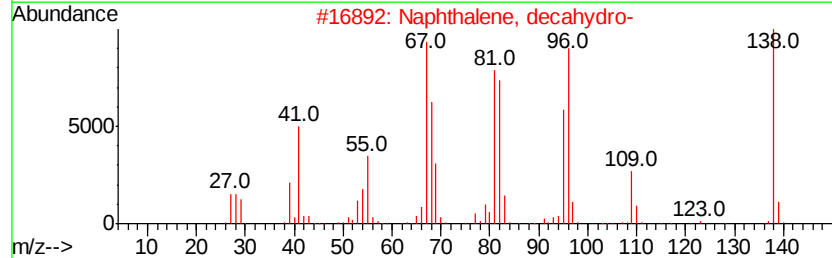
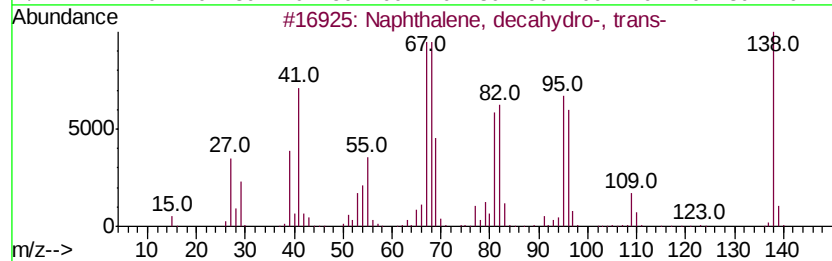
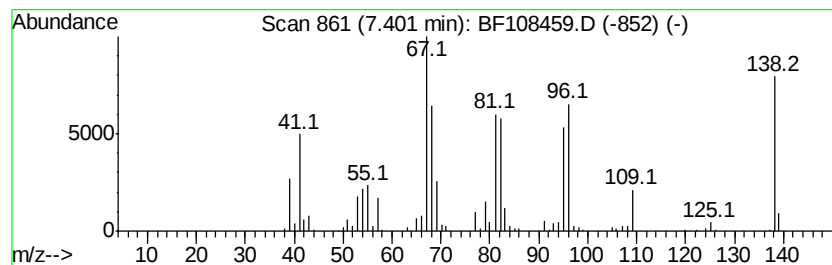
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, decahydro-, tr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	9.24 ng	1047590	1,4-Dichlorobenzene-d4	7.00

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	93
3		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	87
4		Spiro[4.4]nonan-2-one	138	C9H14O	034177-18-9	80
5		2H-Inden-2-one, octahydro-, cis-	138	C9H14O	005689-04-3	80



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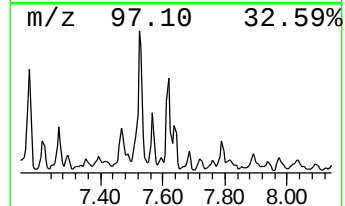
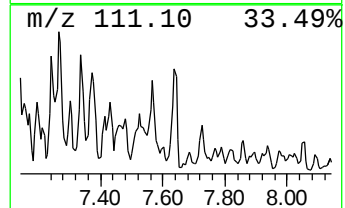
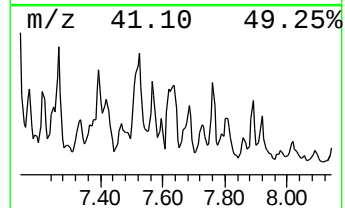
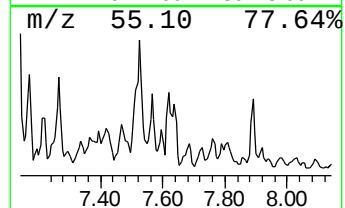
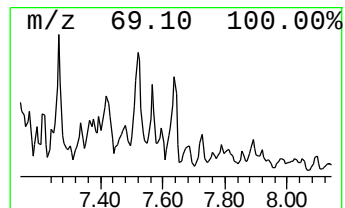
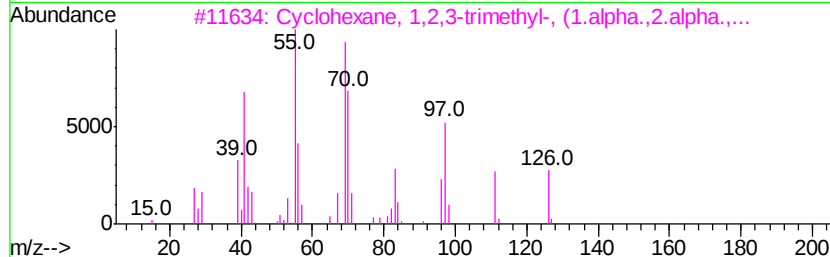
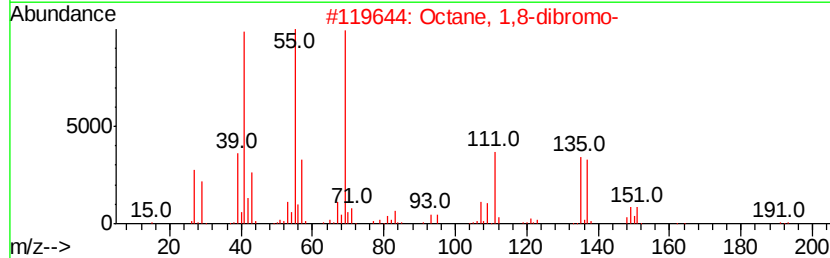
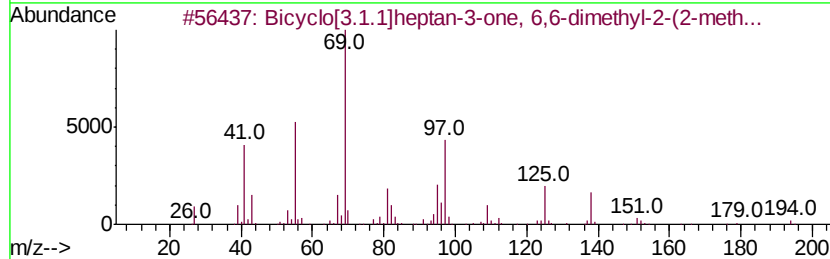
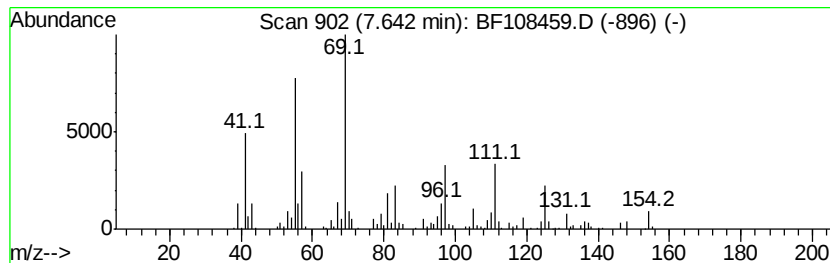
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown7.64 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	7.94 ng	901037	1,4-Dichlorobenzene-d4	7.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.1.1]heptan-3-one, 6,6-...	194	C13H22O	1000163-97-9	47
2		Octane, 1,8-dibromo-	270	C8H16Br2	004549-32-0	43
3		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	007667-55-2	43
4		Methoxyacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	43
5		Cyclooctane, butyl-	168	C12H24	016538-93-5	38



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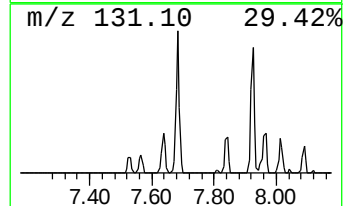
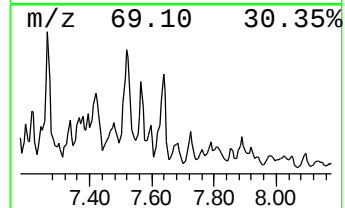
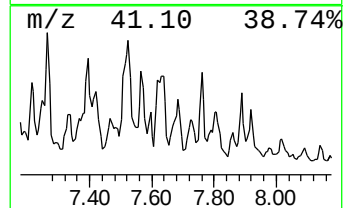
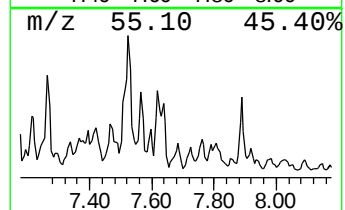
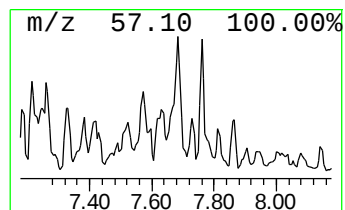
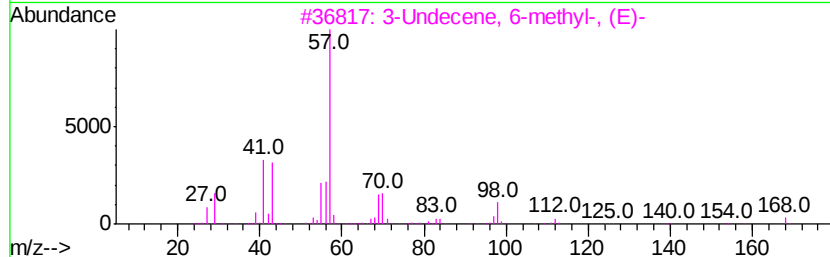
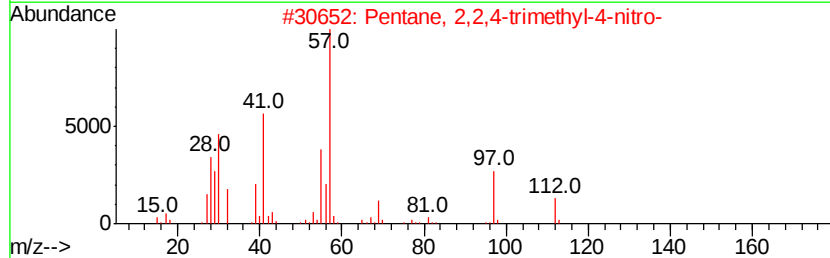
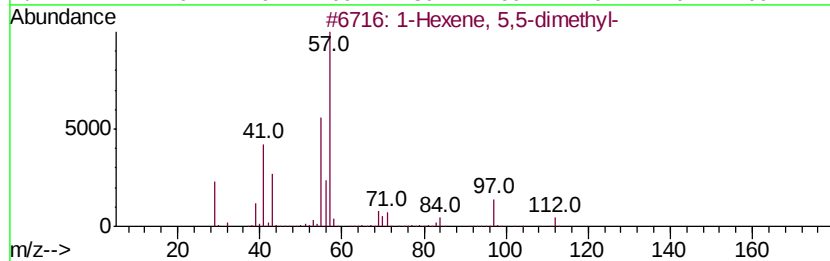
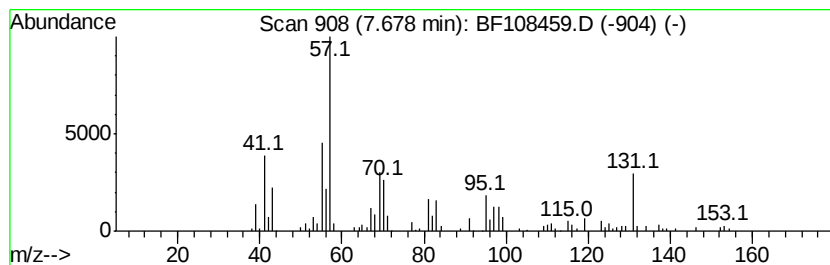
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown7.68 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	10.17 ng	497944	Naphthalene-d8	8.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	38
2		Pentane, 2,2,4-trimethyl-4-nitro-	159	C8H17NO2	005342-78-9	38
3		3-Undecene, 6-methyl-, (E)-	168	C12H24	074630-52-7	35
4		2-Decene, 5-methyl-, (Z)-	154	C11H22	074645-86-6	35
5		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108459.D
Acq On : 24 Aug 2018 9:33
Operator : JU/SJ
Sample : J4559-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

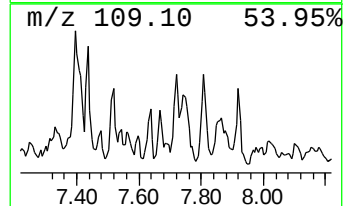
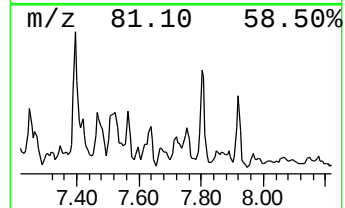
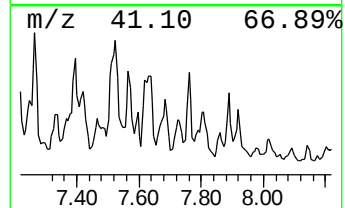
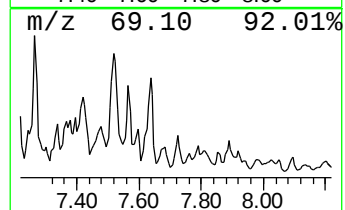
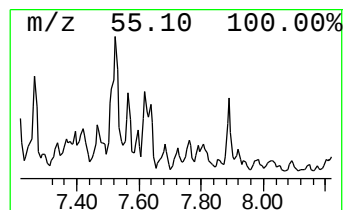
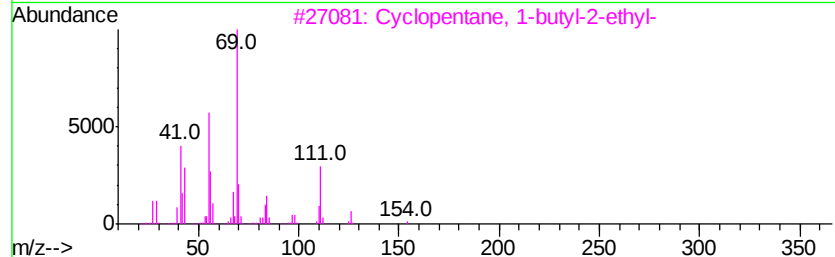
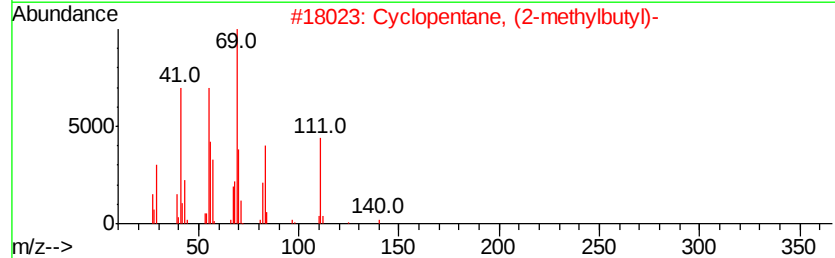
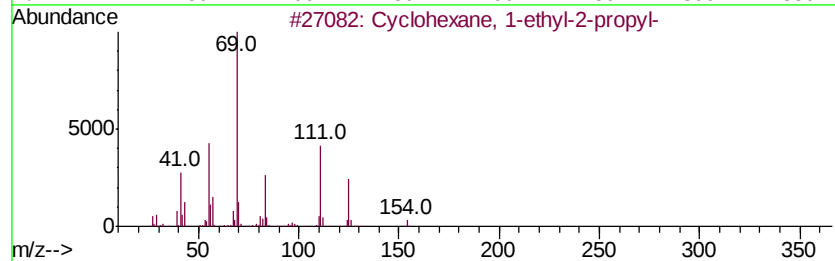
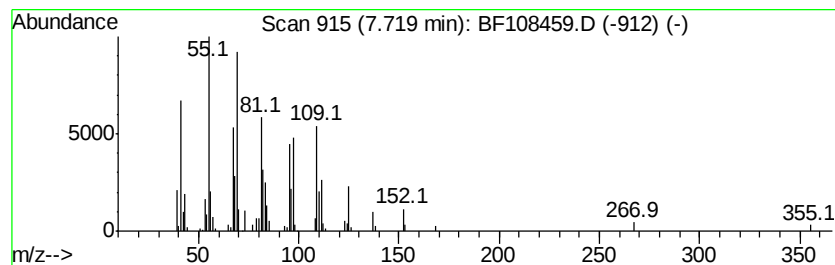
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclohexane, 1-ethyl-2-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	7.14 ng	349659	Naphthalene-d8	8.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	50
2		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	46
3		Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	43
4		Cyclooctene, 1,2-dimethyl-	138	C10H18	054299-96-6	38
5		Methoxyacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108459.D
Acq On : 24 Aug 2018 9:33
Operator : JU/SJ
Sample : J4559-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RA-081718-WSW-20-049

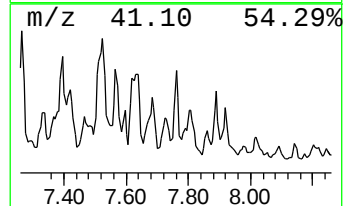
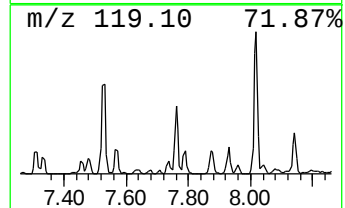
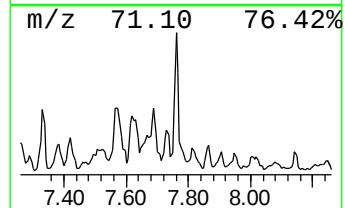
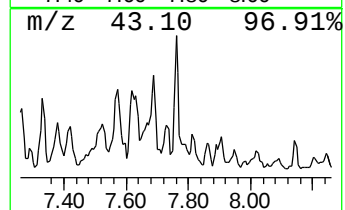
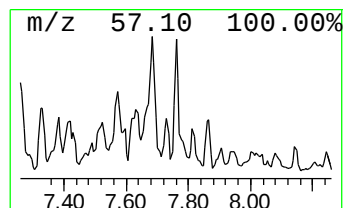
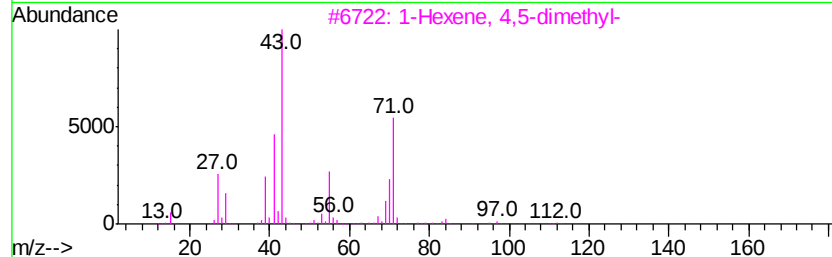
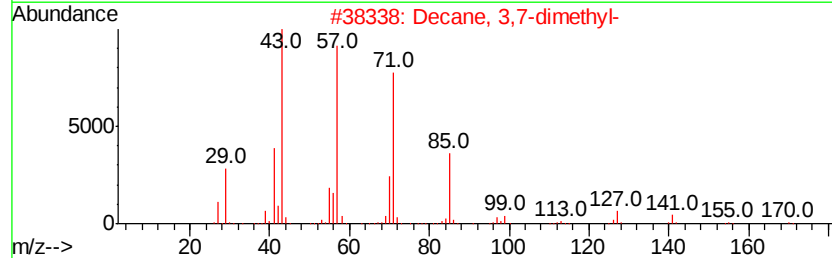
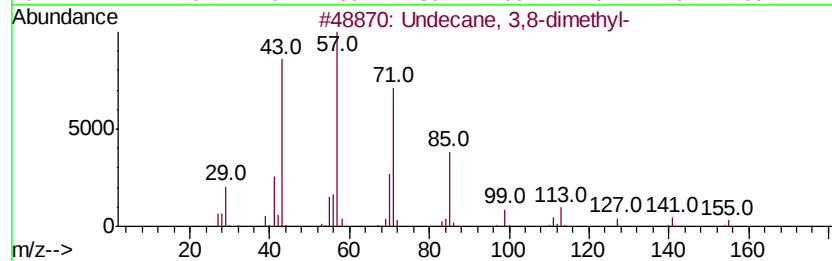
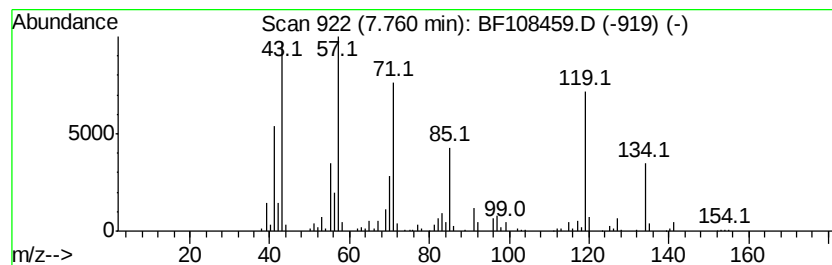
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Undecane, 3,8-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	10.83 ng	530729	Napthalene-d8	8.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	64
2		Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	64
3		1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	30
4		p-Cymene	134	C10H14	000099-87-6	25
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	15



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108459.D
Acq On : 24 Aug 2018 9:33
Operator : JU/SJ
Sample : J4559-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

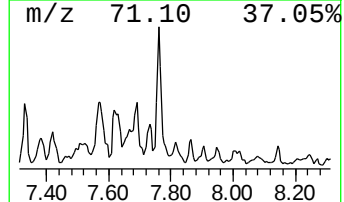
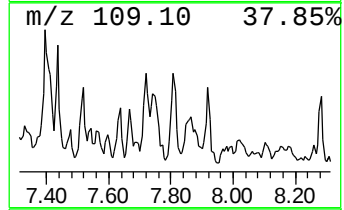
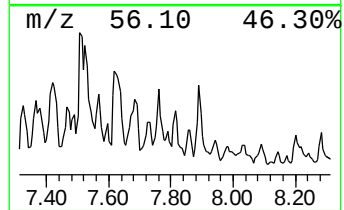
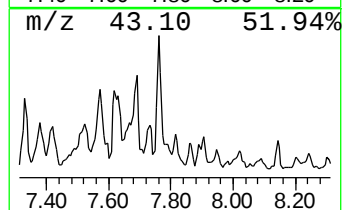
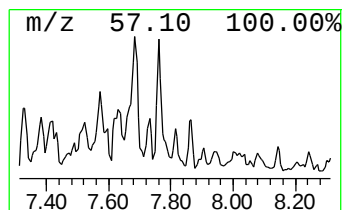
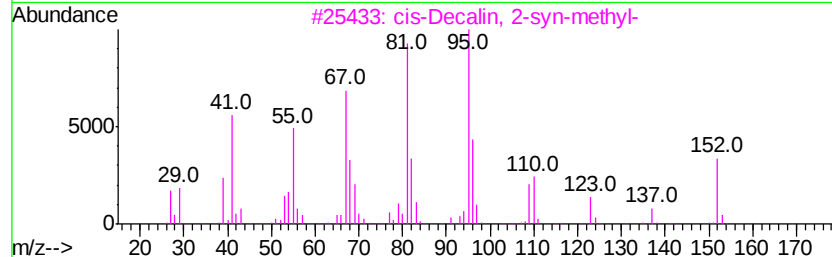
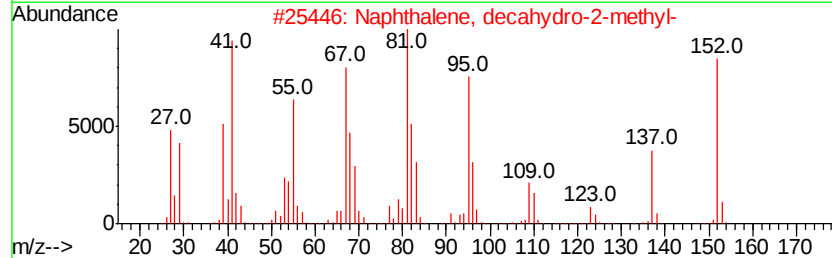
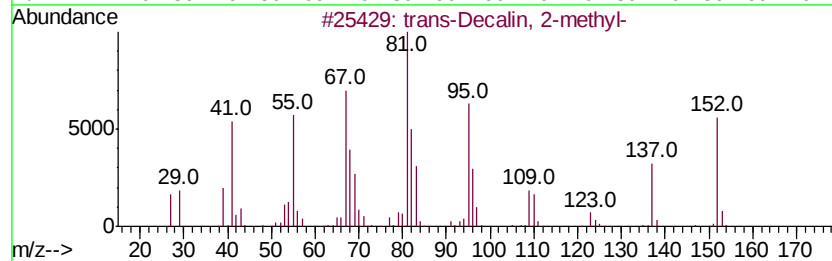
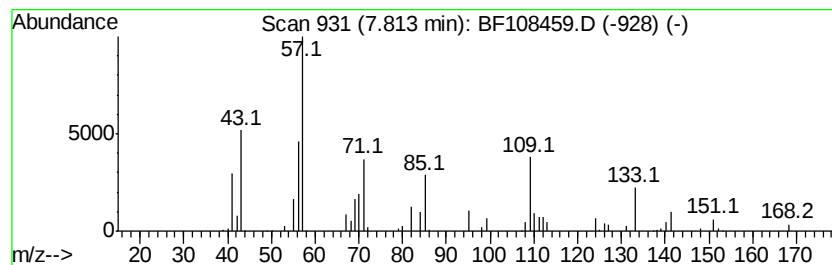
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 trans-Decalin, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	7.21 ng	353165	Naphthalene-d8	8.28

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	94
3			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	87
4			Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	72
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108459.D
Acq On : 24 Aug 2018 9:33
Operator : JU/SJ
Sample : J4559-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RA-081718-WSW-20-049

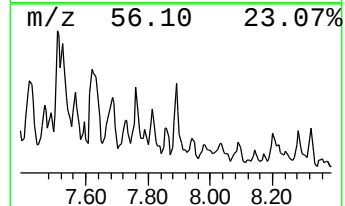
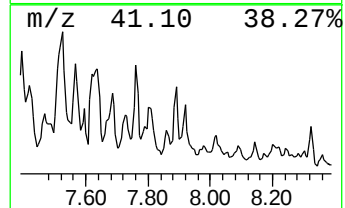
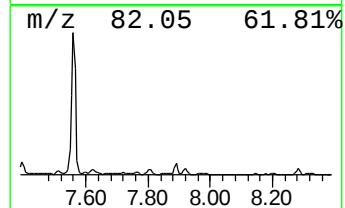
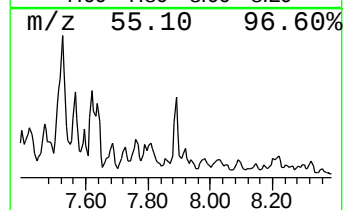
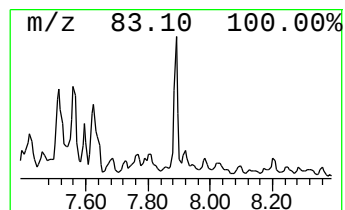
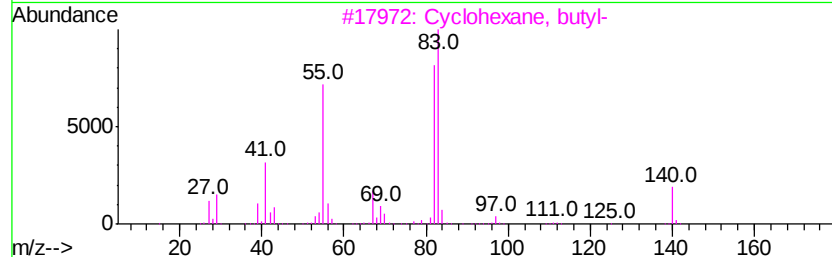
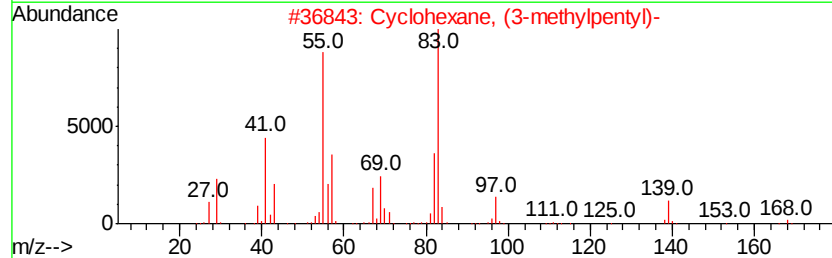
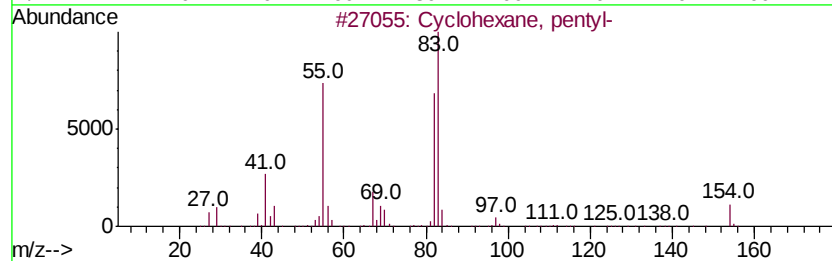
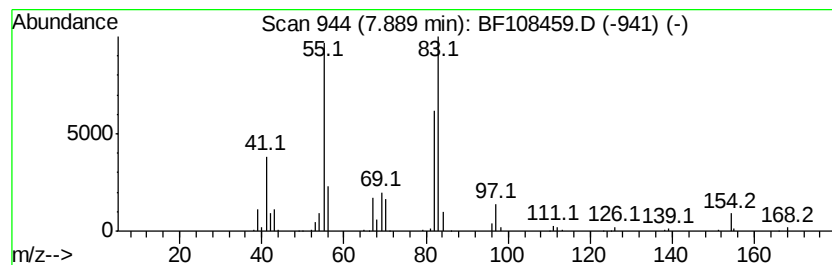
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclohexane, pentyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	6.14 ng	300769	Naphthalene-d8	8.28

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, pentyl-	154	C11H22	004292-92-6	86
2			Cyclohexane, (3-methylpentyl)-	168	C12H24	061142-38-9	74
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	72
4			Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	64
5			Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
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Acq On : 24 Aug 2018 9:33
Operator : JU/SJ
Sample : J4559-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

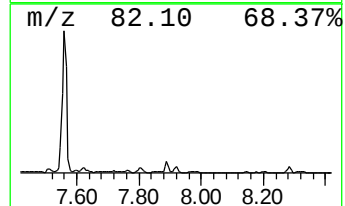
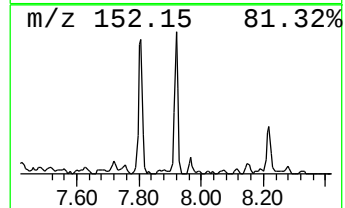
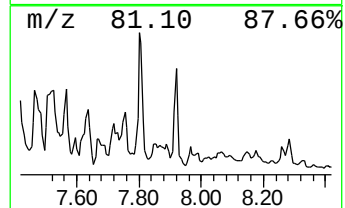
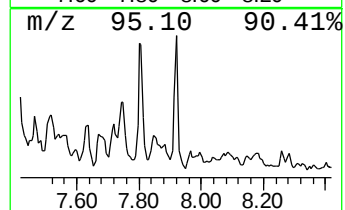
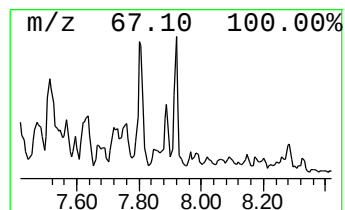
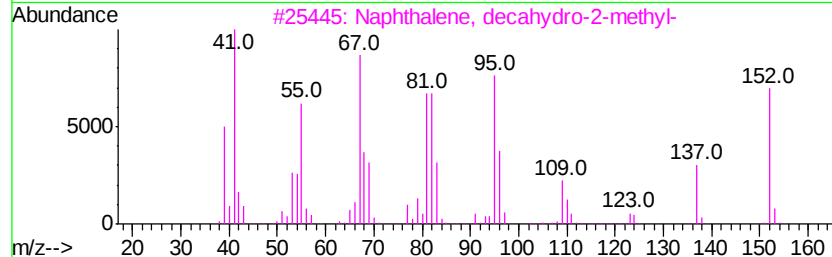
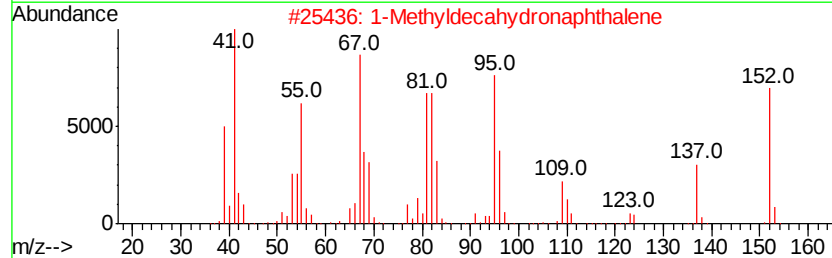
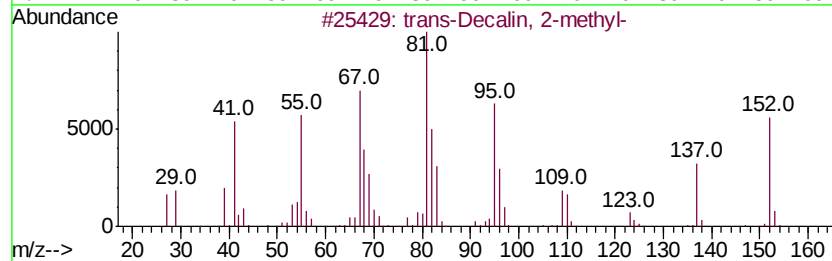
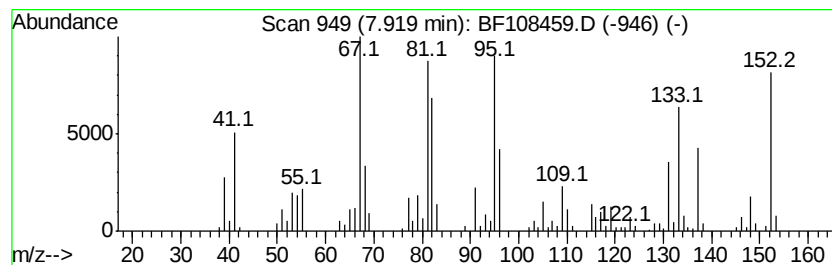
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1-Methyldecahydronaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
7.92	7.71 ng	377691	Naphthalene-d8	8.28		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-		152	C11H20	1000152-47-3	86
2	1-Methyldecahydronaphthalene		152	C11H20	002958-75-0	78
3	Naphthalene, decahydro-2-methyl-		152	C11H20	002958-76-1	78
4	trans-4a-Methyl-decahydronaphtha...		152	C11H20	002547-27-5	70
5	cis-Decalin, 2-syn-methyl-		152	C11H20	1000155-85-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108459.D
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Operator : JU/SJ
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Misc :
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RA-081718-WSW-20-049

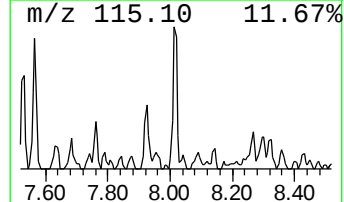
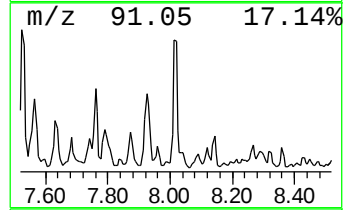
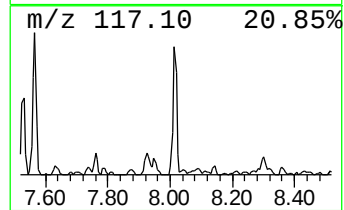
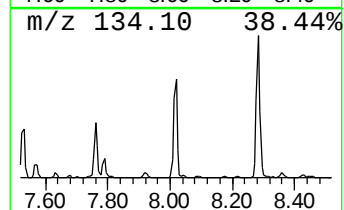
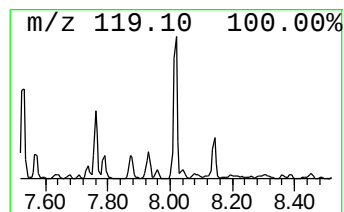
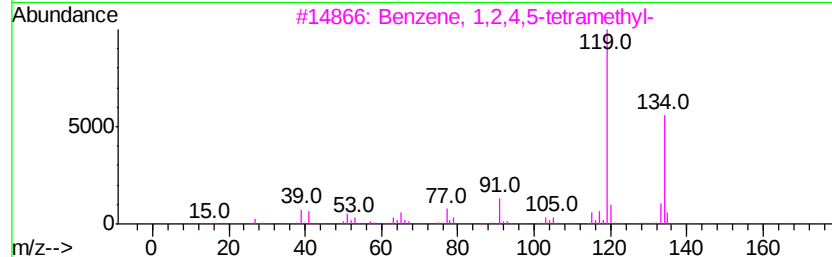
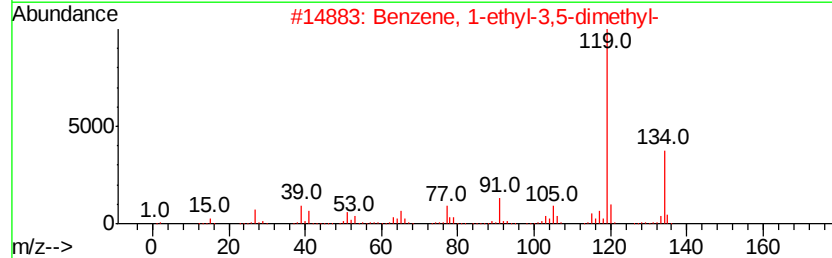
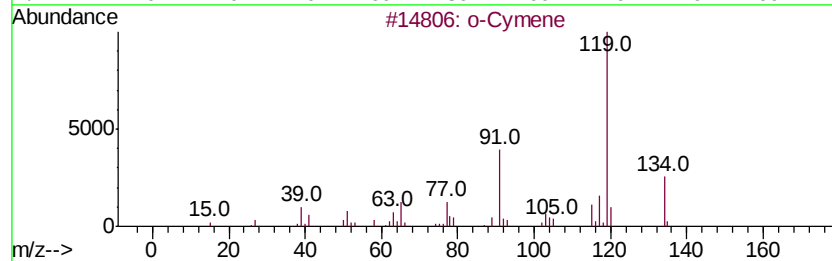
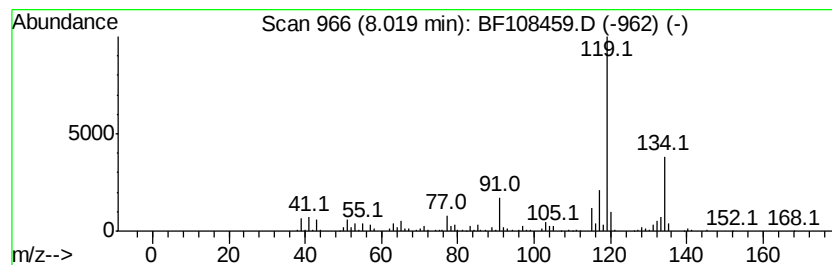
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 o-Cymene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	8.26 ng	404513	Napthalene-d8	8.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	90
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5		p-Cymene	134	C10H14	000099-87-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108459.D
Acq On : 24 Aug 2018 9:33
Operator : JU/SJ
Sample : J4559-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

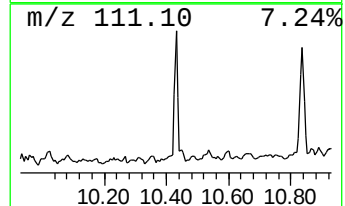
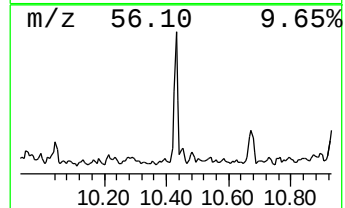
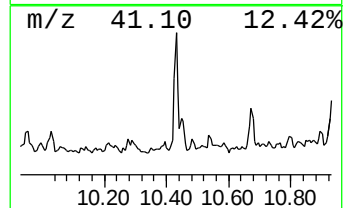
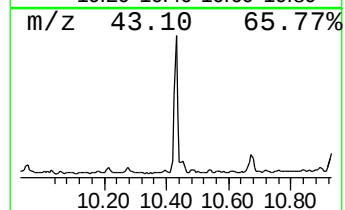
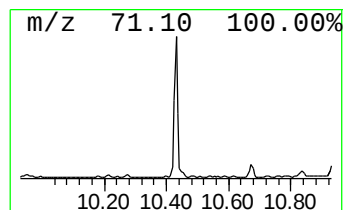
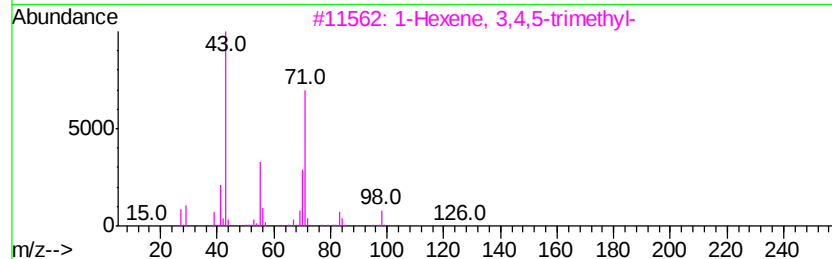
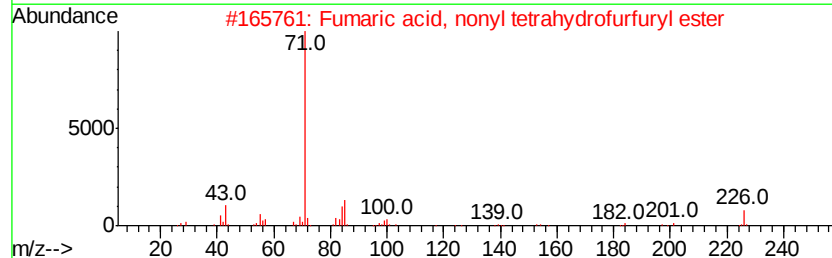
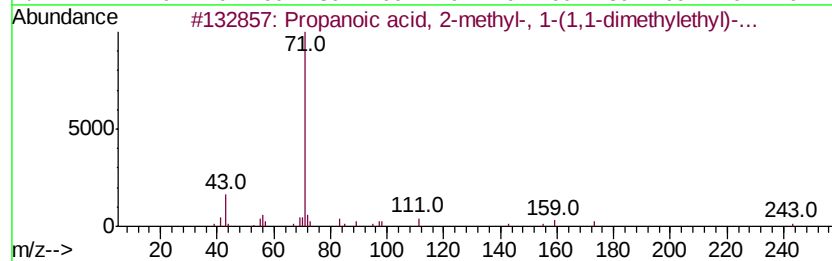
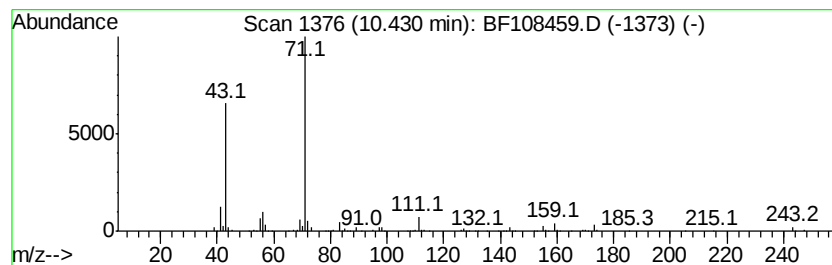
Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Propanoic acid, 2-methyl-, ... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.43	8.12 ng	359866	Acenaphthene-d10		10.04
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-(1,...	286	C16H30O4	074381-40-1	72
2	Fumaric acid, nonyl tetrahydrofu...	326	C18H30O5	1000330-58-3	53
3	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	50
4	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	50
5	Butyric acid, thio-, S-decyl ester	244	C14H28OS	002432-55-5	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108459.D
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Sample : J4559-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

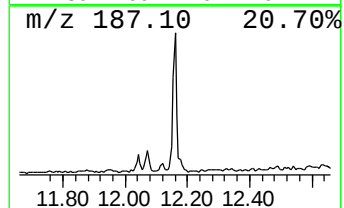
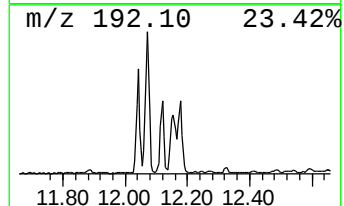
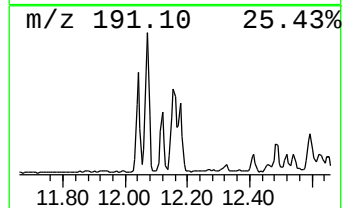
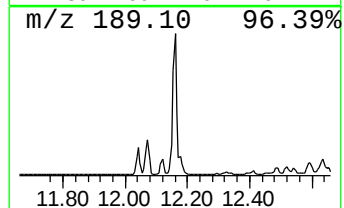
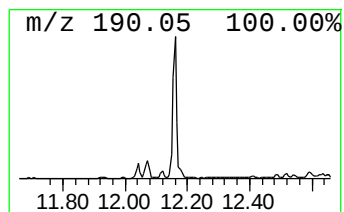
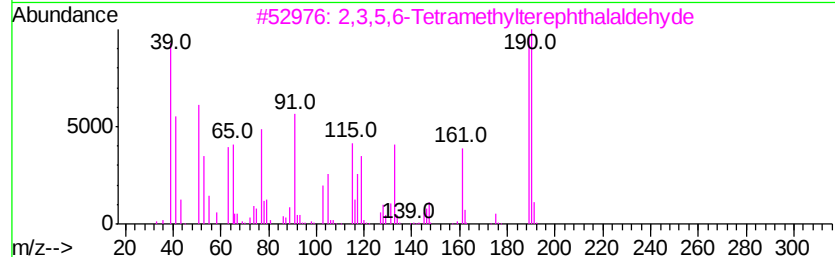
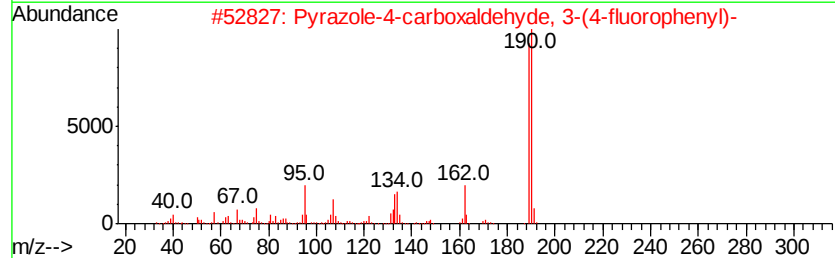
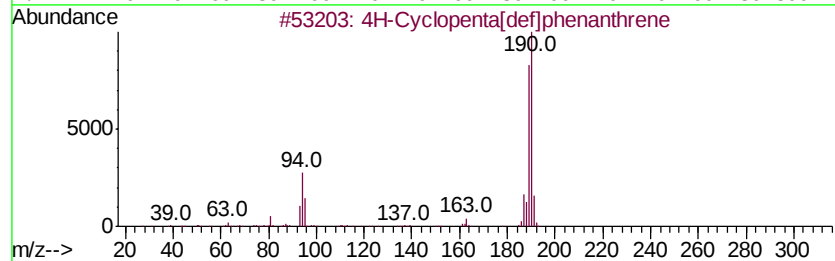
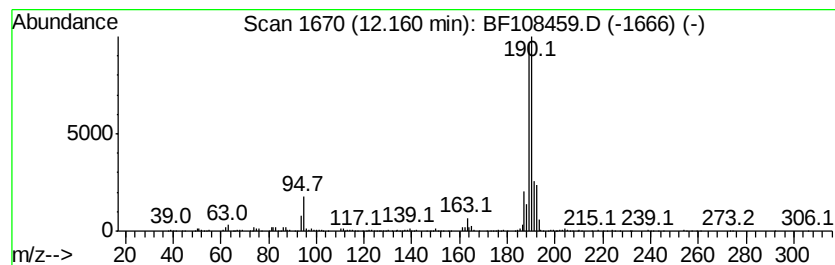
Instrument :
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ClientSampleId :
RA-081718-WSW-20-049

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.16	10.84 ng	456278	Phenanthrene-d10	11.54	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	52
3	2,3,5,6-Tetramethylterephthald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	Carbonic acid, 2-formyl-4,6-dich...	276	C11H10Cl2O4	1000331-39-3	23



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
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Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

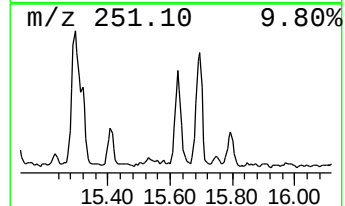
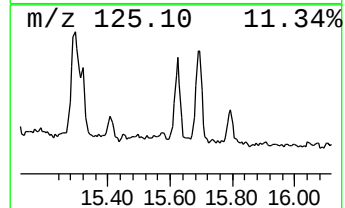
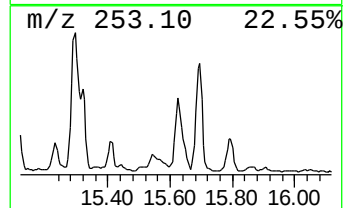
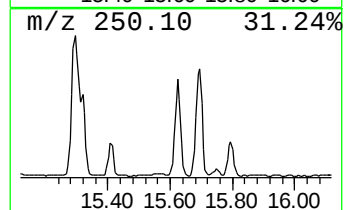
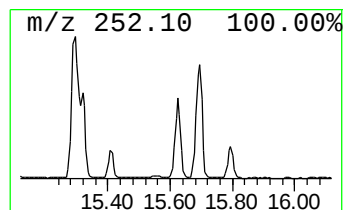
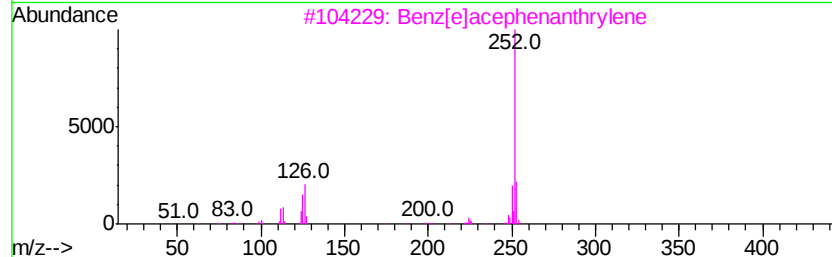
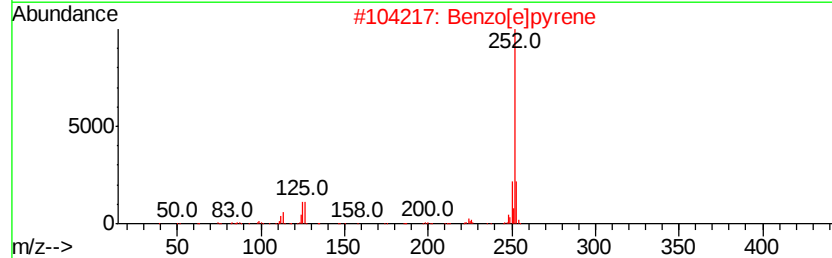
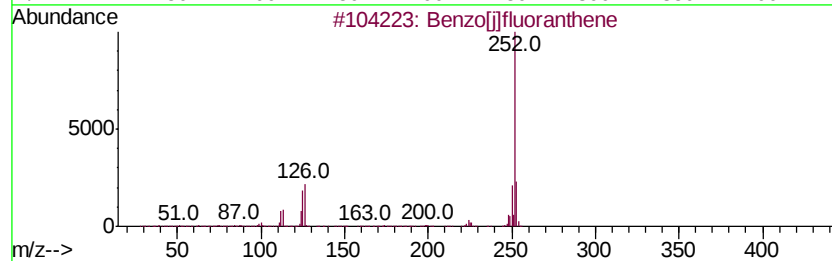
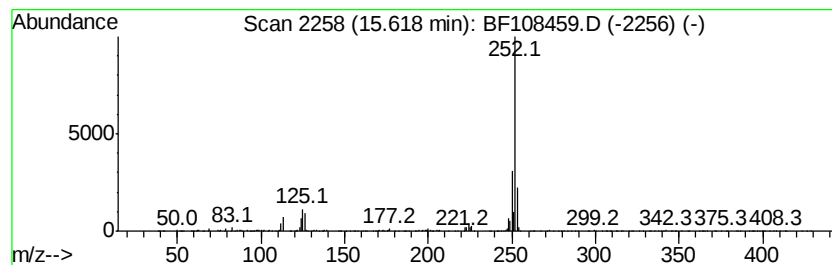
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	13.95 ng	581646	Perylene-d12	15.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[i]fluoranthene	252	C20H12	000205-82-3	96
2		Benzo[e]pyrene	252	C20H12	000192-97-2	96
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



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 Operator : JU/SJ
 Sample : J4559-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-WSW-20-049

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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
Octane, 2,6-dimet...	6.24	6.7	ng	754284	1	7.00	2268460	20.0
Cyclohexane, 1,1,...	6.54	10.4	ng	1181130	1	7.00	2268460	20.0
Cyclohexane, 1-me...	6.74	8.7	ng	981837	1	7.00	2268460	20.0
unknown6.77	6.77	26.5	ng	3002960	1	7.00	2268460	20.0
unknown6.95	6.95	6.8	ng	777134	1	7.00	2268460	20.0
Silane, trichloro...	7.10	10.4	ng	1177050	1	7.00	2268460	20.0
Cyclohexane, (2-m...	7.14	9.4	ng	1065480	1	7.00	2268460	20.0
Naphthalene, deca...	7.40	9.2	ng	1047590	1	7.00	2268460	20.0
unknown7.64	7.64	7.9	ng	901037	1	7.00	2268460	20.0
unknown7.68	7.68	10.2	ng	497944	2	8.28	979667	20.0
Cyclohexane, 1-et...	7.72	7.1	ng	349659	2	8.28	979667	20.0
Undecane, 3,8-dim...	7.76	10.8	ng	530729	2	8.28	979667	20.0
trans-Decalin, 2-...	7.81	7.2	ng	353165	2	8.28	979667	20.0
Cyclohexane, pentyl-	7.89	6.1	ng	300769	2	8.28	979667	20.0
1-Methyldecahydro...	7.92	7.7	ng	377691	2	8.28	979667	20.0
o-Cymene	8.02	8.3	ng	404513	2	8.28	979667	20.0
Propanoic acid, 2...	10.43	8.1	ng	359866	3	10.04	886276	20.0
4H-Cyclopenta[def...	12.16	10.8	ng	456278	4	11.54	841843	20.0
Benzo[j]fluoranthene	15.62	13.9	ng	581646	6	15.76	834159	20.0