

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101718\
 Data File : BF109929.D
 Acq On : 17 Oct 2018 19:27
 Operator : JU/SJ
 Sample : J5521-20
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP-01

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-BF101518.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	2.263	24	30	40	rVB	2093320	2773140	19.68%	0.991%
2	2.422	45	57	64	rVB	728974	1532656	10.87%	0.548%
3	3.298	198	206	211	rVV	170105	369057	2.62%	0.132%
4	3.351	211	215	220	rVV	153985	279082	1.98%	0.100%
5	3.587	241	255	264	rBV4	115895	296468	2.10%	0.106%
6	3.757	272	284	290	rBV	1130258	1992078	14.13%	0.712%
7	3.887	298	306	313	rBV	1228630	1964425	13.94%	0.702%
8	4.340	377	383	388	rBV	1535089	1970813	13.98%	0.704%
9	4.387	388	391	398	rVB	227952	308417	2.19%	0.110%
10	4.481	401	407	411	rBV2	260670	360743	2.56%	0.129%
11	4.663	432	438	446	rVB2	716248	909523	6.45%	0.325%
12	4.757	446	454	461	rBV2	431846	658718	4.67%	0.235%
13	4.845	466	469	472	rVV	404765	435909	3.09%	0.156%
14	5.045	500	503	507	rVV	877880	965115	6.85%	0.345%
15	5.128	510	517	520	rVV2	1304833	1744316	12.38%	0.623%
16	5.157	520	522	526	rVV	582627	542557	3.85%	0.194%
17	5.210	526	531	534	rVV2	974003	1272479	9.03%	0.455%
18	5.263	537	540	544	rVV2	534036	766745	5.44%	0.274%
19	5.310	544	548	550	rVV3	229558	325862	2.31%	0.116%
20	5.404	558	564	567	rBV2	1238242	1712691	12.15%	0.612%
21	5.434	567	569	573	rVB3	503905	496443	3.52%	0.177%
22	5.475	573	576	579	rBV	493300	513674	3.64%	0.184%
23	5.586	591	595	598	rVV	3039142	2967681	21.06%	1.060%
24	5.645	600	605	608	rVV2	318997	418000	2.97%	0.149%
25	5.681	608	611	614	rVV	784782	810640	5.75%	0.290%
26	5.710	614	616	620	rVV2	379494	530790	3.77%	0.190%
27	5.751	620	623	625	rVV2	917868	1106947	7.85%	0.396%
28	5.798	629	631	634	rVV	1481922	1284602	9.11%	0.459%
29	5.845	634	639	642	rVV2	1313628	1738262	12.33%	0.621%
30	5.904	646	649	653	rBV2	487368	474971	3.37%	0.170%
31	6.010	660	667	670	rBV3	2257392	3444867	24.44%	1.231%
32	6.045	670	673	677	rBV3	1356154	1961540	13.92%	0.701%
33	6.122	680	686	688	rBV	1397108	1787633	12.68%	0.639%
34	6.145	688	690	693	rVB2	2380928	1952093	13.85%	0.697%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.181	693	696	699	rVB2	1154029	1227337	8.71%	0.439%
36	6.228	699	704	710	rBV2	4459276	7823500	55.51%	2.795%
37	6.281	710	713	716	rVB2	2424713	2399756	17.03%	0.857%
38	6.322	716	720	722	rBV4	811562	1292388	9.17%	0.462%
39	6.345	722	724	726	rVB	973561	784750	5.57%	0.280%
40	6.369	726	728	731	rVB3	680867	724640	5.14%	0.259%
41	6.416	731	736	740	rBV4	2199607	3924791	27.85%	1.402%
42	6.451	740	742	744	rBV	916894	1083717	7.69%	0.387%
43	6.475	744	746	749	rVB	2152385	1828953	12.98%	0.653%
44	6.522	749	754	759	rBV4	3494904	6006811	42.62%	2.146%
45	6.586	762	765	770	rBV2	1709669	2265458	16.07%	0.809%
46	6.628	770	772	774	rBV	1490616	1300992	9.23%	0.465%
47	6.657	774	777	779	rVB2	2211769	1937017	13.74%	0.692%
48	6.681	779	781	784	rBV	1193555	992251	7.04%	0.355%
49	6.722	784	788	790	rBV	2632896	3973807	28.20%	1.420%
50	6.745	790	792	800	rVB3	5391311	8582599	60.90%	3.067%
51	6.822	800	805	806	rBV2	2175752	2441173	17.32%	0.872%
52	6.839	806	808	810	rVB	2165422	1744171	12.38%	0.623%
53	6.869	810	813	815	rBV	932911	934154	6.63%	0.334%
54	6.916	815	821	822	rBV5	1680536	3203081	22.73%	1.144%
55	6.933	822	824	827	rBV	2258347	2698502	19.15%	0.964%
56	6.992	830	834	837	rVB2	7422412	8667651	61.50%	3.097%
57	7.033	837	841	845	rBV3	2777877	3626008	25.73%	1.296%
58	7.092	845	851	854	rBV3	3689614	6411863	45.49%	2.291%
59	7.128	854	857	861	rBV3	4072960	6483167	46.00%	2.316%
60	7.163	861	863	865	rVB	2774936	2061602	14.63%	0.737%
61	7.210	868	871	872	rBV	2621618	2629955	18.66%	0.940%
62	7.233	872	875	876	rBV3	1586130	1650084	11.71%	0.590%
63	7.257	876	879	882	rVB	5482586	6087595	43.19%	2.175%
64	7.298	882	886	888	rBV4	1121235	1314991	9.33%	0.470%
65	7.328	888	891	894	rBV3	2145746	2257712	16.02%	0.807%
66	7.386	894	901	903	rBV3	5193929	7230434	51.30%	2.583%
67	7.410	903	905	910	rVB5	2820488	3643407	25.85%	1.302%
68	7.463	910	914	917	rBV2	1650100	2429098	17.24%	0.868%
69	7.522	918	924	927	rBV3	8852219	14093958	100.00%	5.036%
70	7.557	927	930	934	rVB5	4527742	5852409	41.52%	2.091%
71	7.628	938	942	946	rVB5	6624962	11446532	81.22%	4.090%

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72	7.692	946	953	956	rBV4	5830595	13047785	92.58%	4.662%
73	7.739	957	961	962	rBV3	2741309	3504209	24.86%	1.252%
74	7.763	962	965	969	rVV3	4699099	6588477	46.75%	2.354%
75	7.804	969	972	974	rVB4	3441939	3598647	25.53%	1.286%
76	7.875	980	984	986	rBV2	5632776	7543877	53.53%	2.695%
77	7.898	986	988	989	rVV	2476077	2047447	14.53%	0.732%
78	7.922	989	992	994	rVV3	4346593	5069375	35.97%	1.811%
79	8.016	1005	1008	1010	rBV	5576612	5948907	42.21%	2.126%
80	8.092	1018	1021	1026	rBV5	4756758	7502030	53.23%	2.680%
81	8.145	1027	1030	1035	rBV2	4451385	7491454	53.15%	2.677%
82	8.245	1041	1047	1048	rBV4	4475633	7780593	55.21%	2.780%
83	8.439	1077	1080	1083	rBV5	3213953	4303265	30.53%	1.538%
84	12.604	1785	1788	1791	rBV	2900622	2885253	20.47%	1.031%
85	12.680	1799	1801	1804	rBV	1243276	1364524	9.68%	0.488%
86	13.033	1859	1861	1864	rVB	2001518	1872077	13.28%	0.669%
87	13.080	1867	1869	1872	rVV2	1433801	1522174	10.80%	0.544%
88	13.115	1872	1875	1877	rVB	3174353	2992865	21.24%	1.069%
89	13.974	2019	2021	2026	rVB	485492	535255	3.80%	0.191%
90	14.162	2048	2053	2055	rBV2	1709121	1819800	12.91%	0.650%
91	14.186	2055	2057	2063	rVB	350621	335689	2.38%	0.120%
92	14.298	2074	2076	2080	rVB	324325	307756	2.18%	0.110%
93	14.609	2126	2129	2133	rVB	585470	502857	3.57%	0.180%
94	14.933	2180	2184	2190	rVB	907399	916476	6.50%	0.327%
95	15.227	2230	2234	2237	rBV	249758	370619	2.63%	0.132%
96	15.292	2241	2245	2250	rVB	1029527	1254316	8.90%	0.448%
97	15.692	2307	2313	2322	rVB2	2024987	3042630	21.59%	1.087%
98	16.162	2387	2393	2398	rBV	698048	1065158	7.56%	0.381%
99	16.703	2479	2485	2492	rBV	354743	633327	4.49%	0.226%
100	17.339	2587	2593	2601	rVB2	138201	306605	2.18%	0.110%

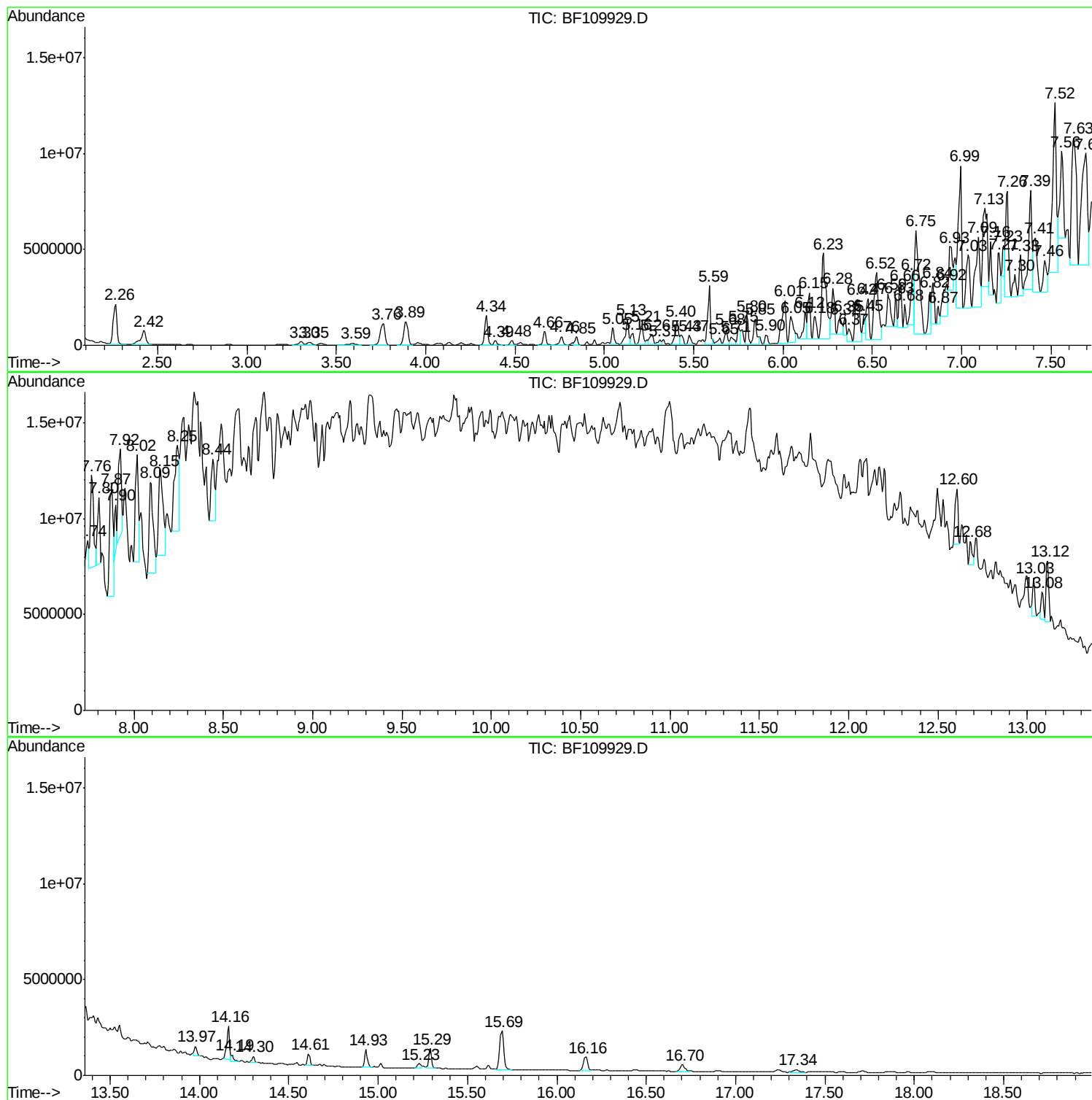
Sum of corrected areas: 279878698

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.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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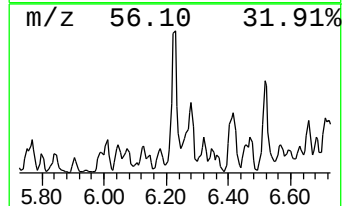
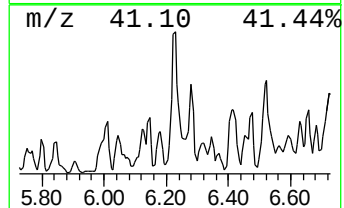
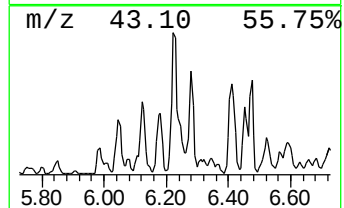
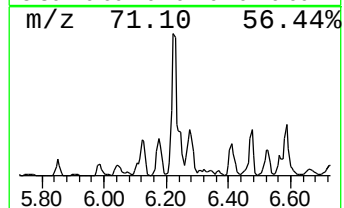
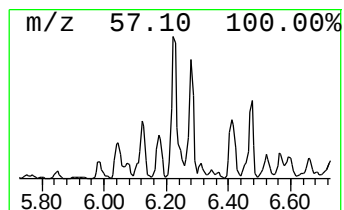
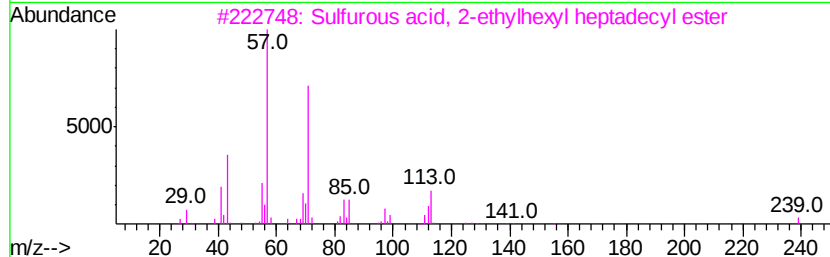
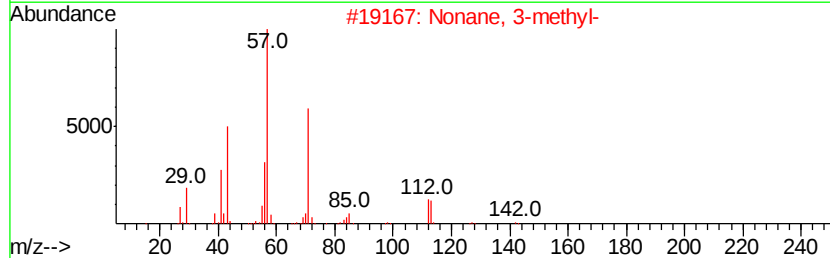
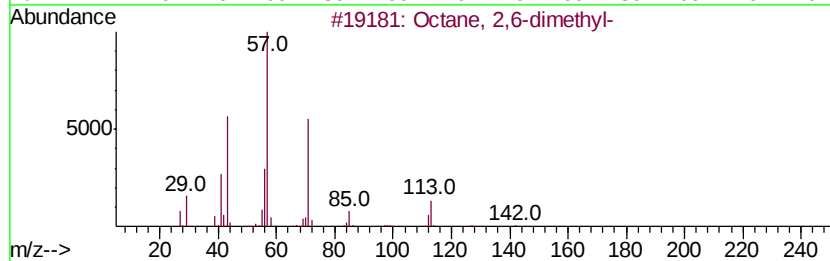
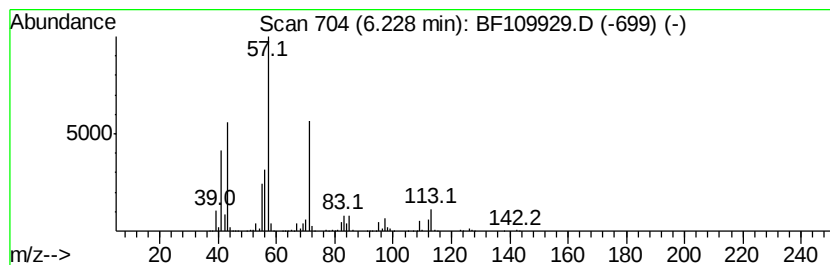
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.23	18.05 ng	7823500	1,4-Dichlorobenzene-d4	6.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	81
3		Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	64
4		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	50
5		Tridecane, 7-methyl-	198	C14H30	026730-14-3	50



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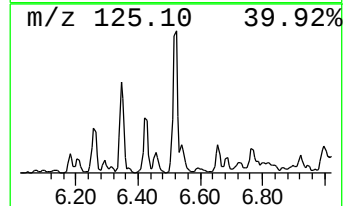
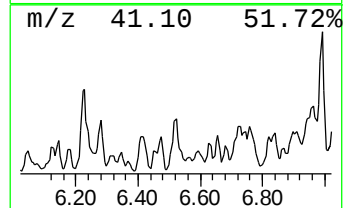
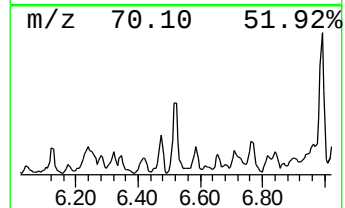
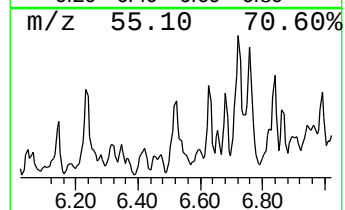
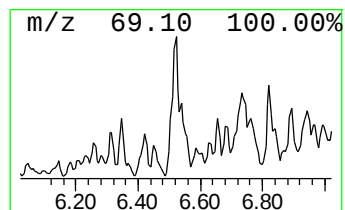
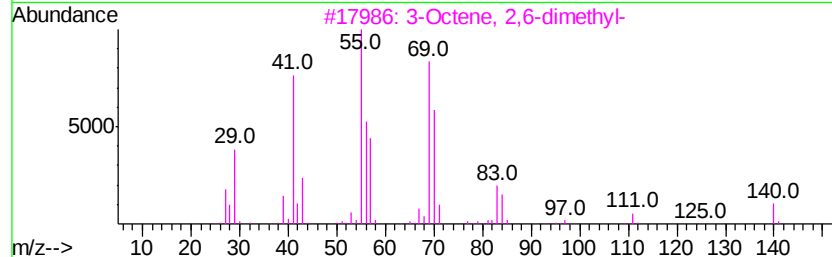
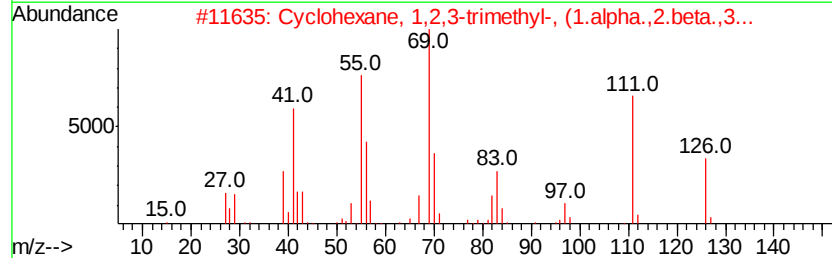
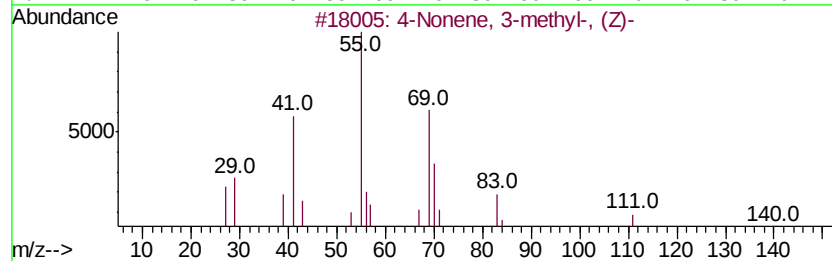
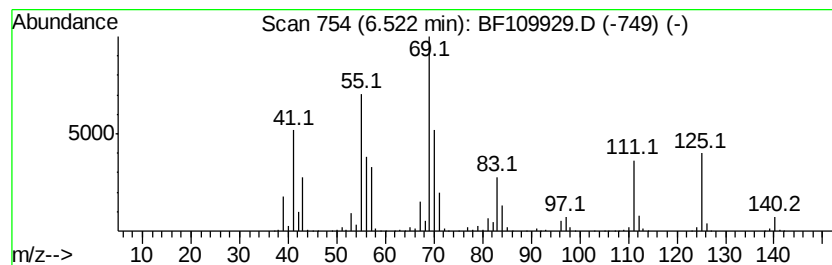
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 4-Nonene, 3-methyl-, (Z)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.52	13.86 ng	6006810	1,4-Dichlorobenzene-d4	6.98	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	72
2	Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	64
3	3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	46
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46
5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	43



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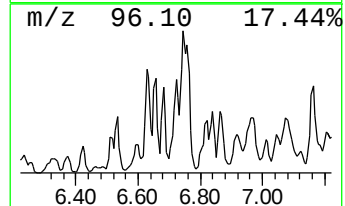
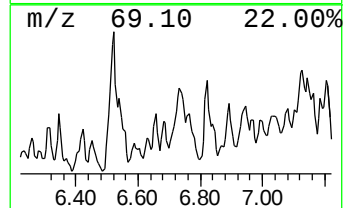
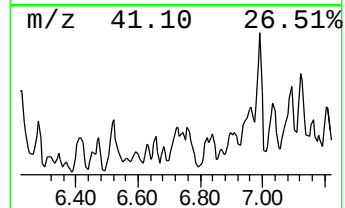
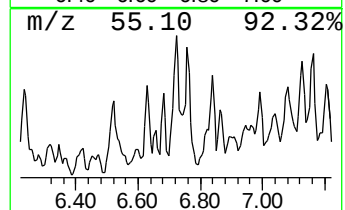
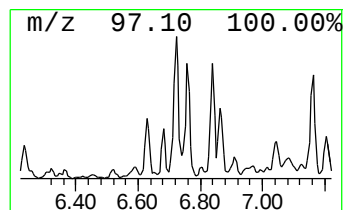
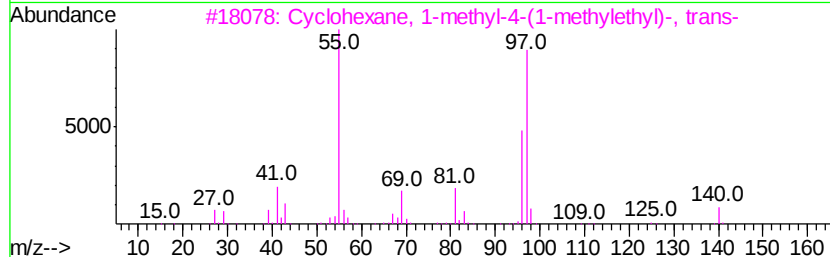
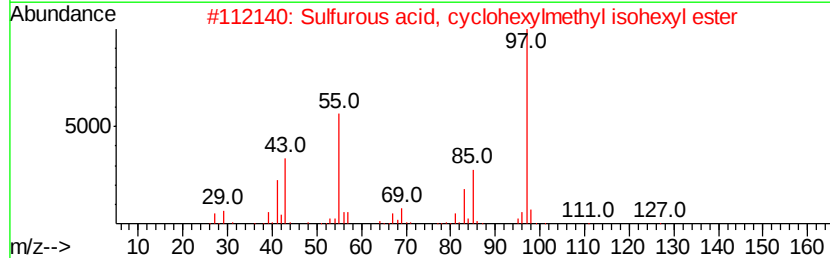
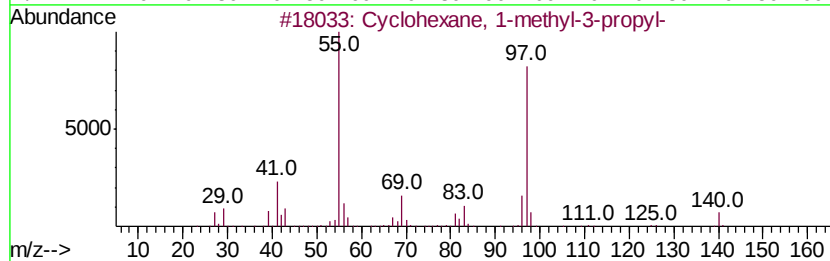
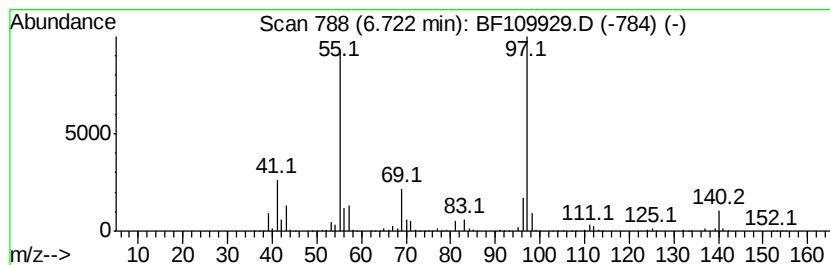
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, 1-methyl-3-pro... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	9.17 ng	3973810	1,4-Dichlorobenzene-d4	6.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	87
2		Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	72
3		Cyclohexane, 1-methyl-4-(1-methyl...	140	C10H20	001678-82-6	72
4		Cyclohexane, 1-methyl-4-(1-methyl...	140	C10H20	006069-98-3	72
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64



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Data File : BF109929.D
Acq On : 17 Oct 2018 19:27
Operator : JU/SJ
Sample : J5521-20
Misc :
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ClientSampleId :
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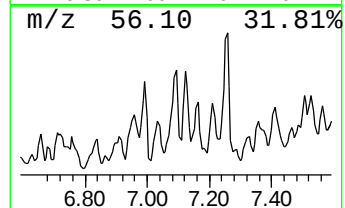
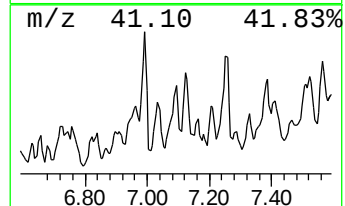
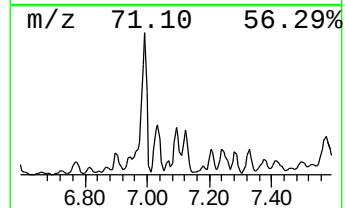
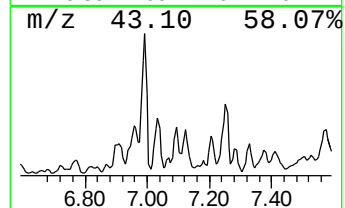
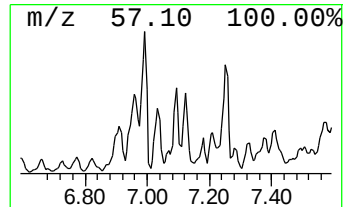
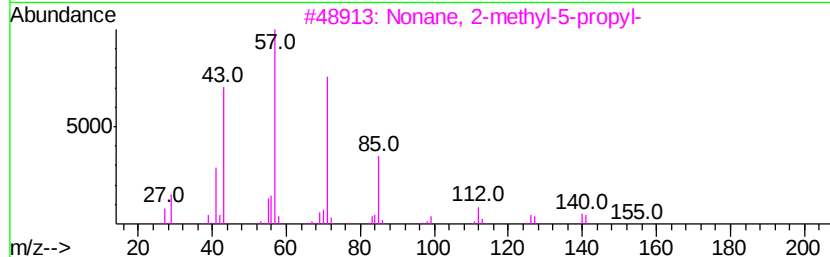
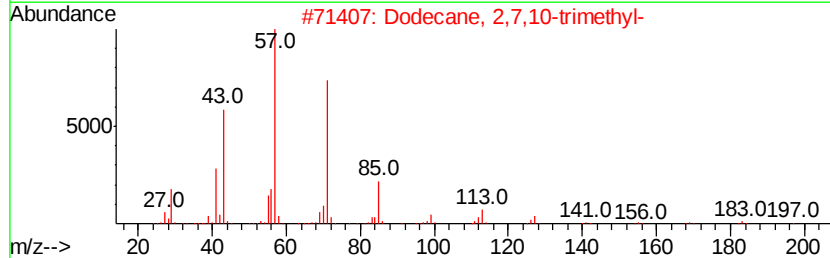
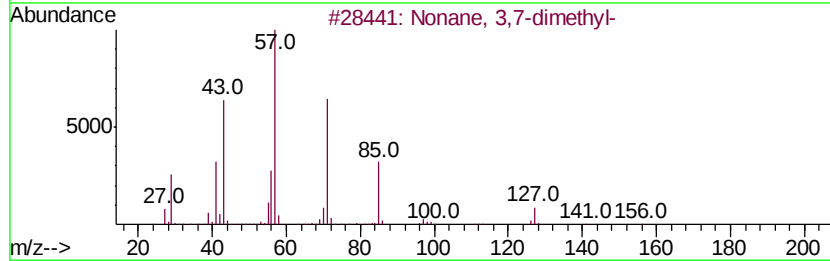
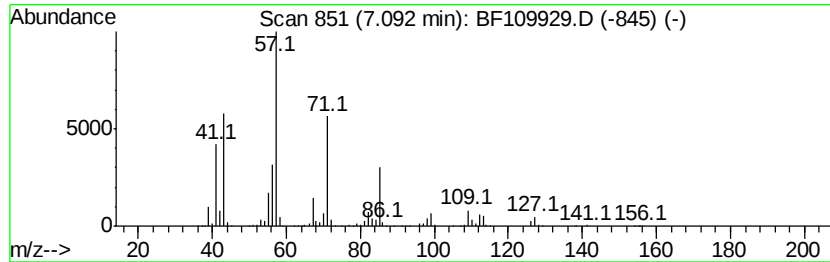
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Nonane, 3,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	14.79 ng	6411860	1,4-Dichlorobenzene-d4	6.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
3		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	59
4		Decane, 3-methyl-	156	C11H24	013151-34-3	53
5		Decane, 5-propyl-	184	C13H28	017312-62-8	53



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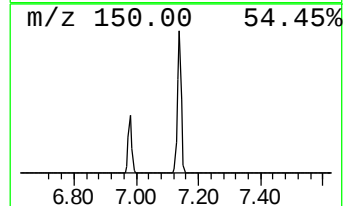
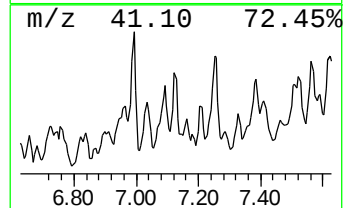
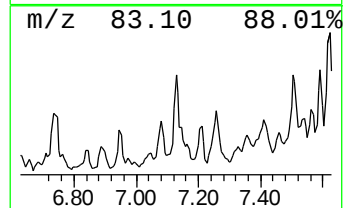
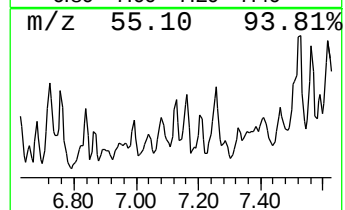
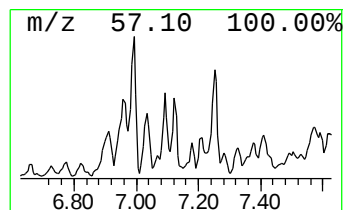
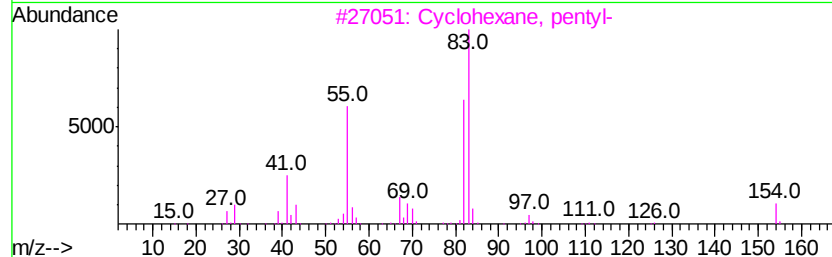
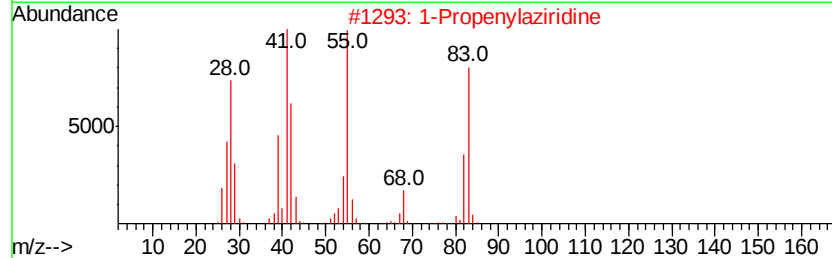
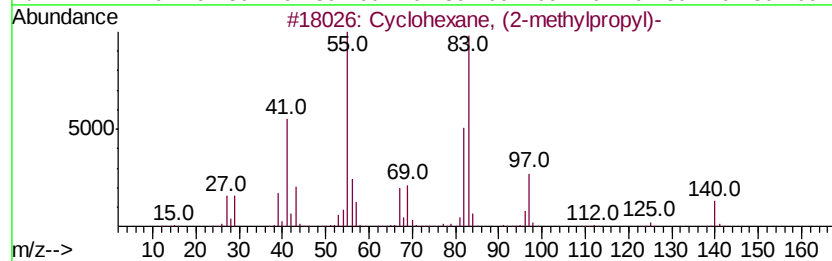
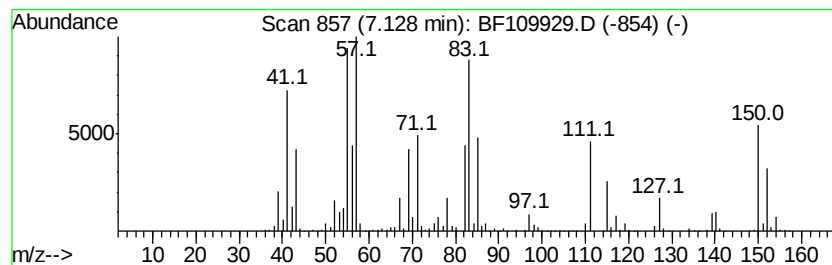
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown7.13 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	14.96 ng	6483170	1,4-Dichlorobenzene-d4	6.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	25
2		1-Propenylaziridine	83	C5H9N	1000192-51-0	22
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	22
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	22
5		Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
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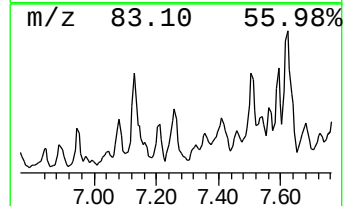
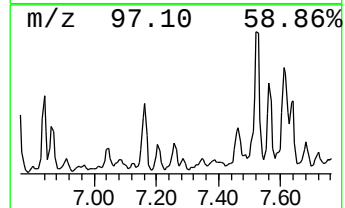
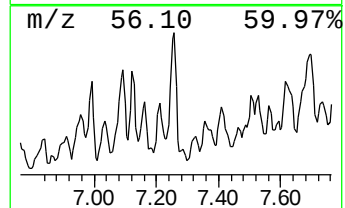
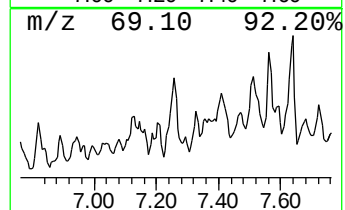
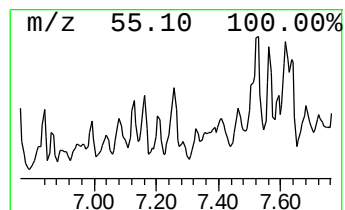
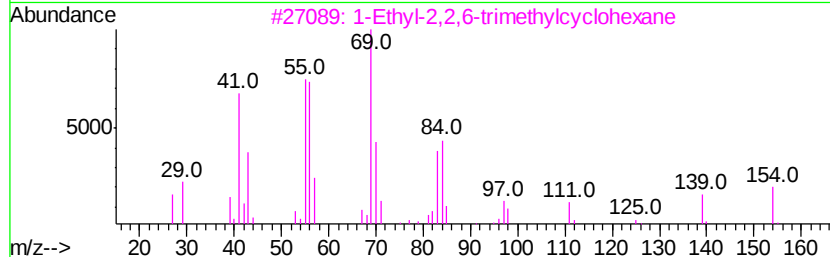
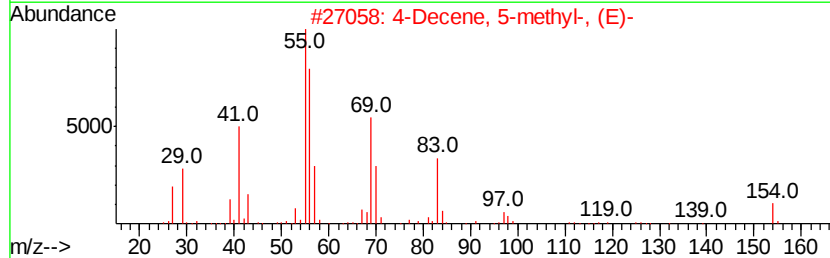
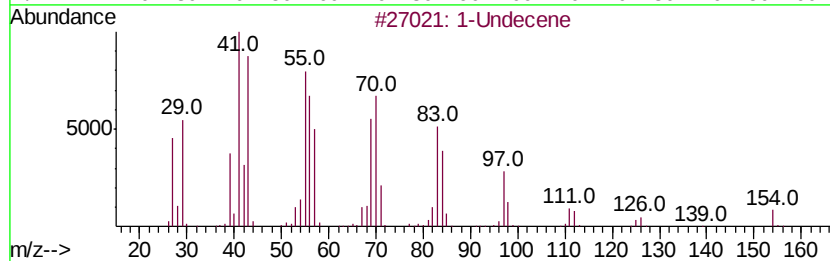
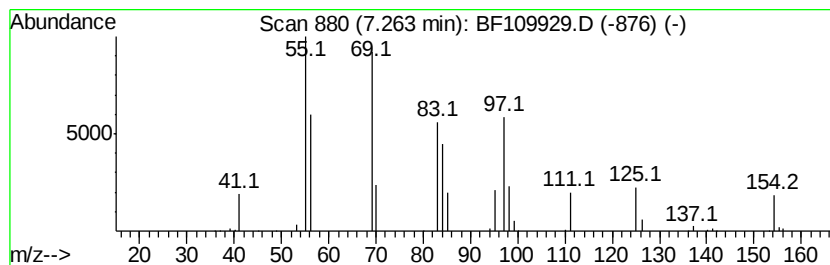
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown7.26 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	14.05 ng	6087600	1,4-Dichlorobenzene-d4	6.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Undecene	154	C11H22	000821-95-4	43
2		4-Decene, 5-methyl-, (E)-	154	C11H22	062338-51-6	38
3		1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	38
4		1-Undecene, 8-methyl-	168	C12H24	074630-40-3	38
5		Silane, trichlorodocosyl-	442	C22H45Cl3Si	007325-84-0	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109929.D
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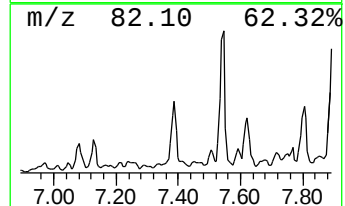
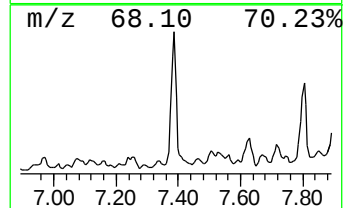
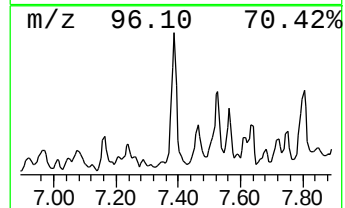
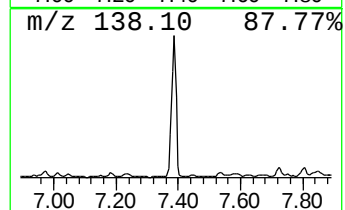
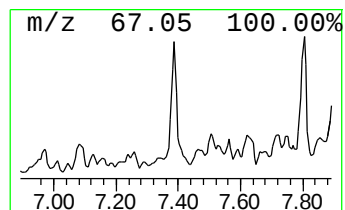
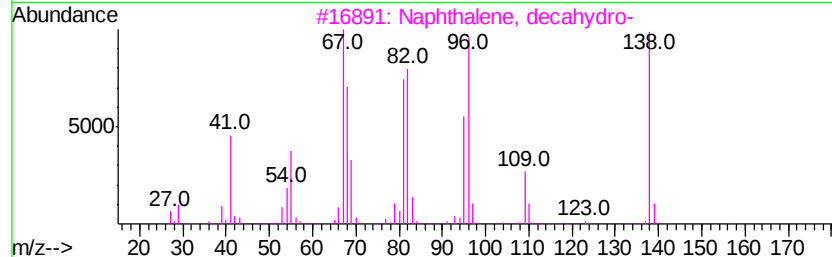
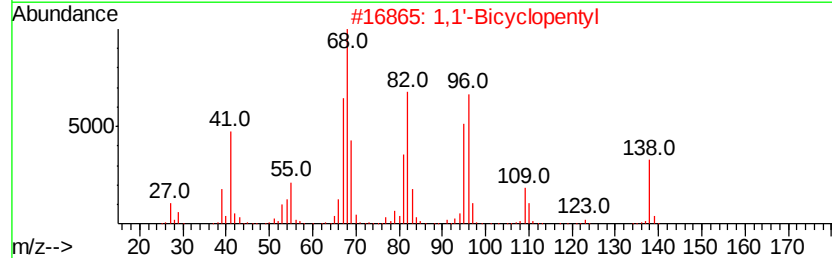
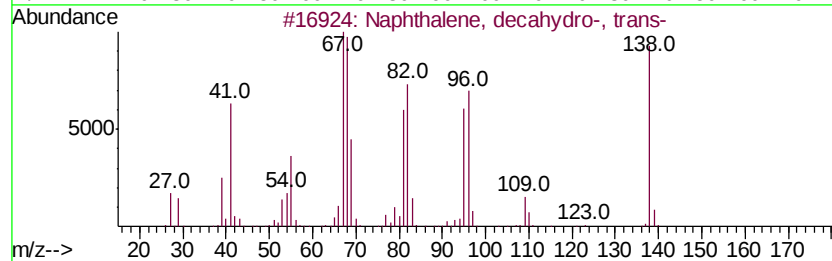
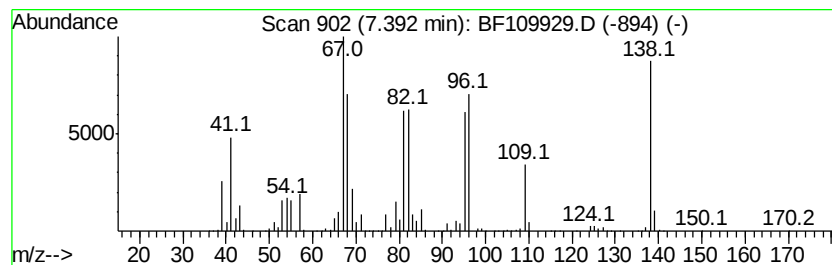
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, decahydro-, tr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	16.68 ng	7230430	1,4-Dichlorobenzene-d4	6.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
2		1,1'-Bicyclopentyl	138	C10H18	001636-39-1	93
3		Naphthalene, decahydro-	138	C10H18	000091-17-8	93
4		2-Cyclohexen-1-one, 4-(1-methyle...	138	C9H14O	000500-02-7	74
5		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
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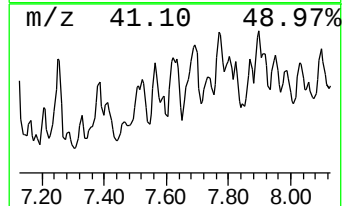
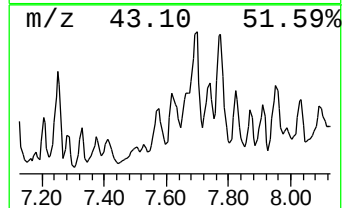
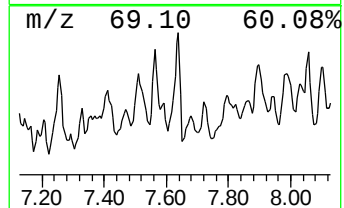
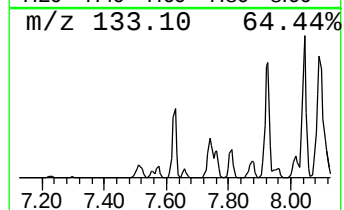
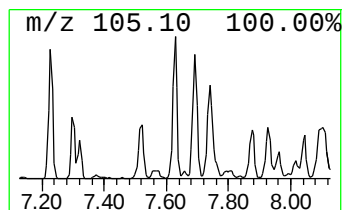
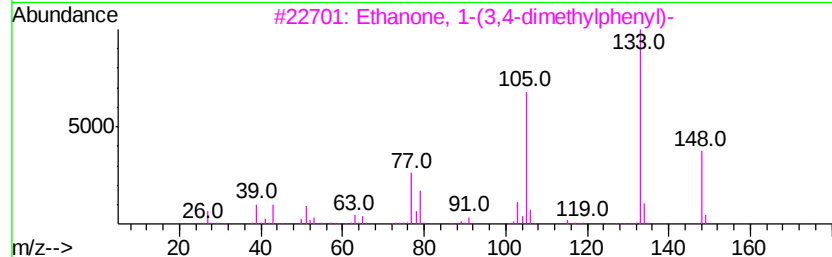
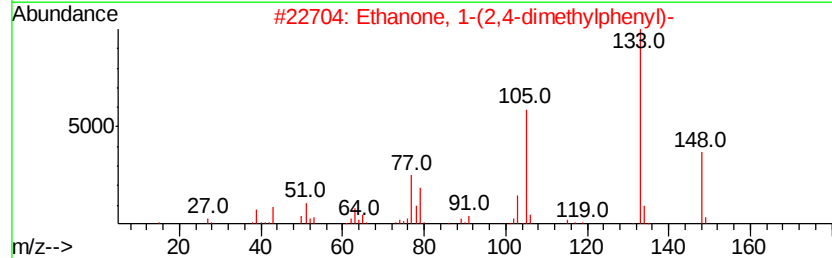
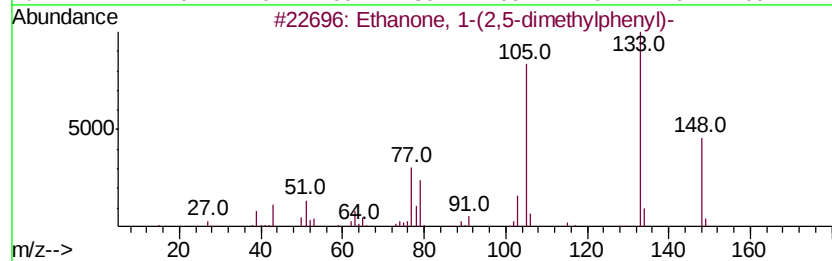
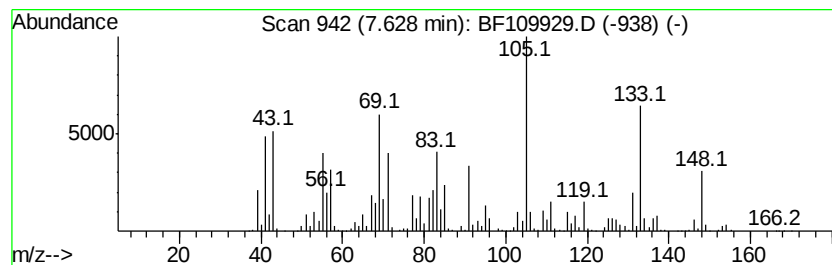
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Ethanone, 1-(2,5-dimethylph... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	26.41 ng	11446500	1,4-Dichlorobenzene-d4	6.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	60
2		Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	53
3		Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	35
4		Benzene, 1-methoxy-2-(1-methylet...	148	C10H12O	010278-02-1	30
5		Benzene, pentamethyl-	148	C11H16	000700-12-9	20



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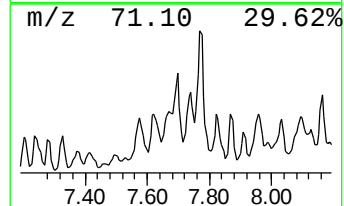
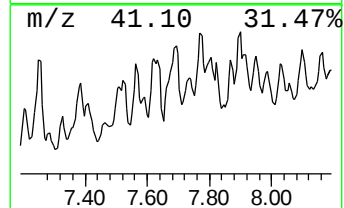
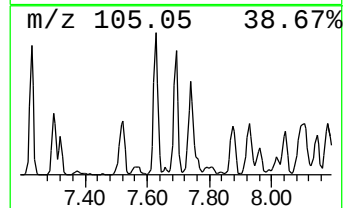
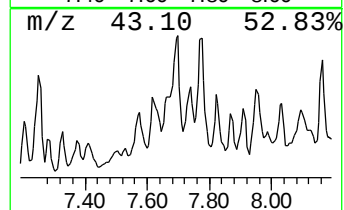
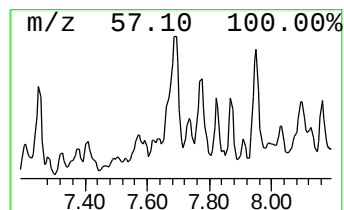
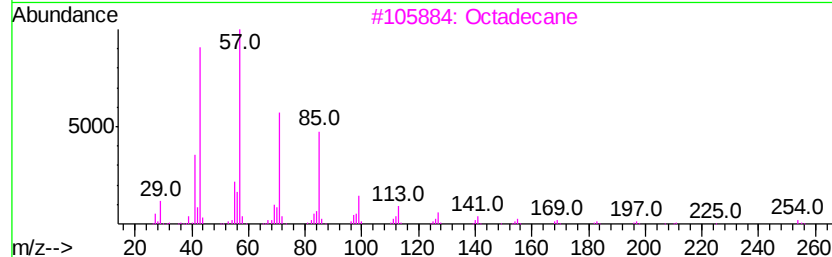
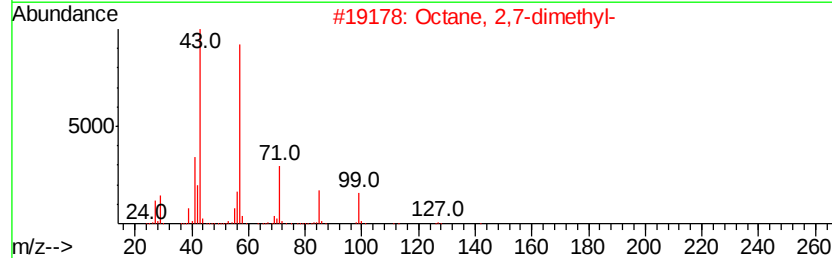
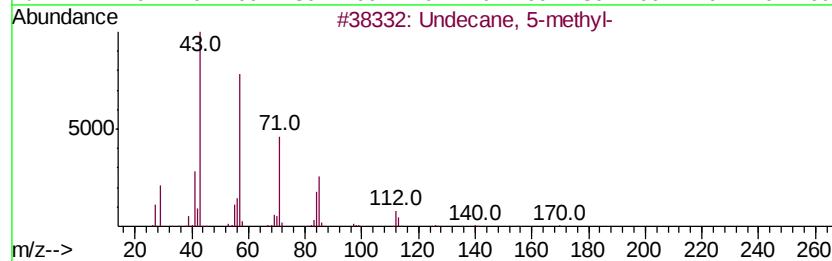
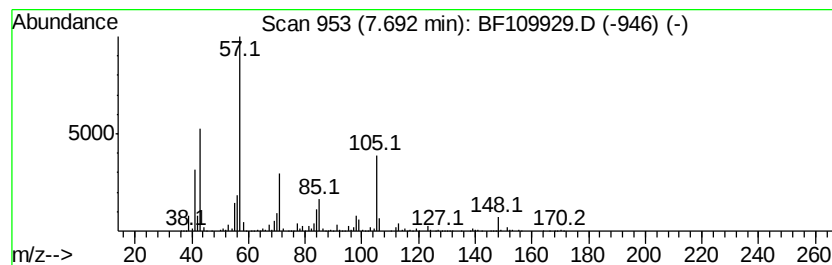
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown7.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	33.54 ng	13047800	Naphthalene-d8	8.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5-methyl-	170	C12H26	001632-70-8	49
2		Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	46
3		Octadecane	254	C18H38	000593-45-3	43
4		Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	43
5		3-Hexanone, 2,4-dimethyl-	128	C8H16O	018641-70-8	43



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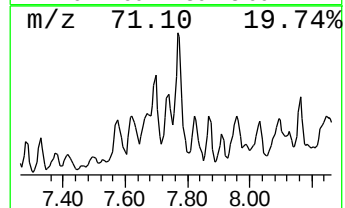
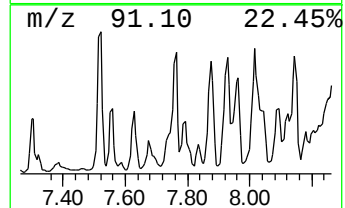
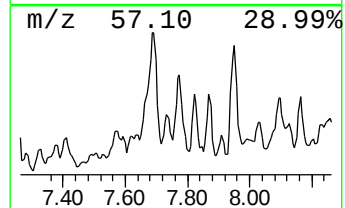
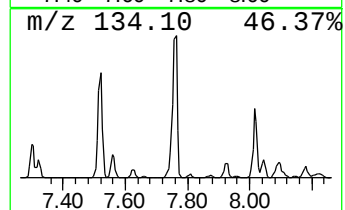
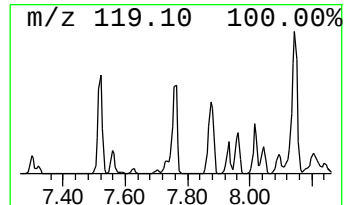
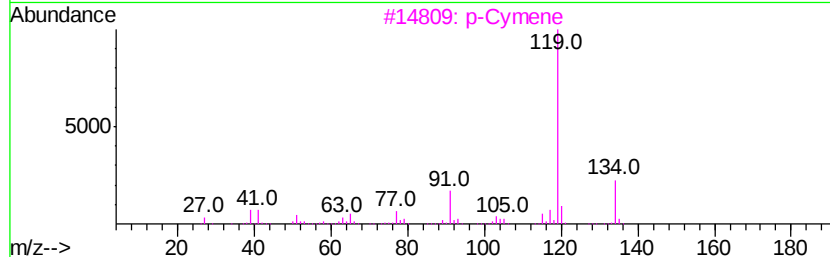
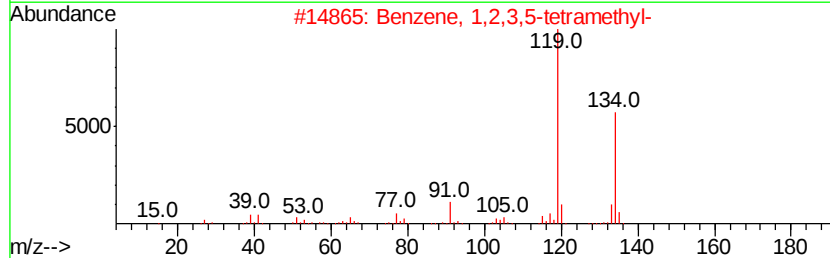
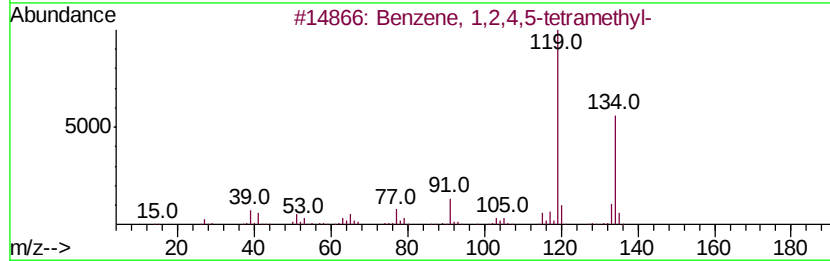
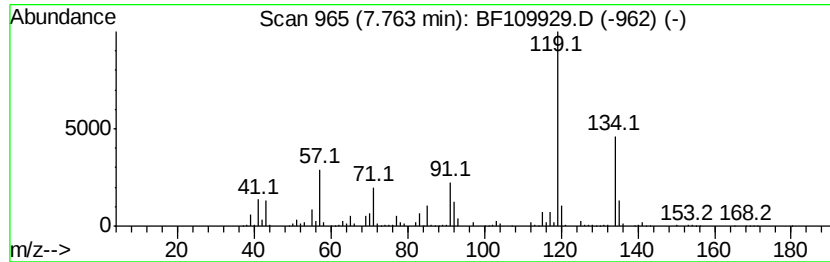
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	16.94 ng	6588480	Napthalene-d8	8.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
3		p-Cymene	134	C10H14	000099-87-6	68
4		o-Cymene	134	C10H14	000527-84-4	68
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109929.D
Acq On : 17 Oct 2018 19:27
Operator : JU/SJ
Sample : J5521-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TWP-01

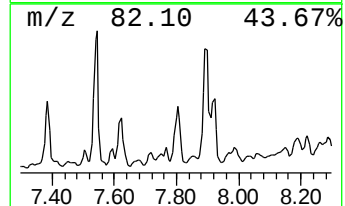
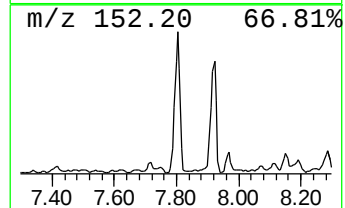
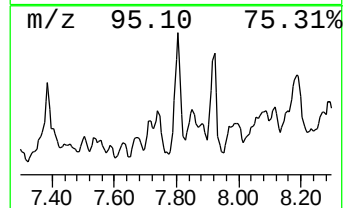
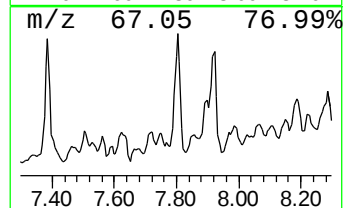
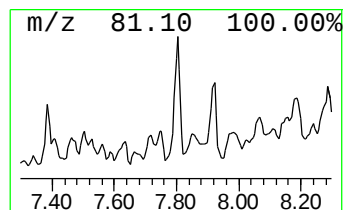
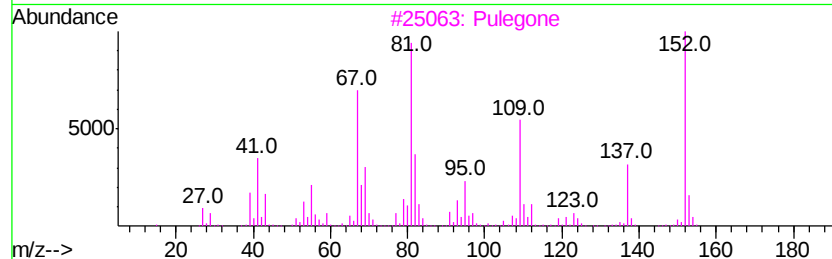
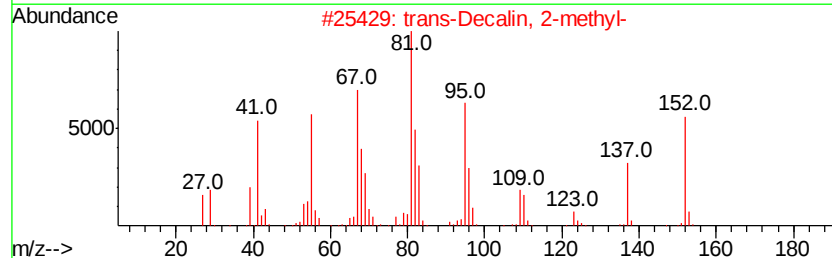
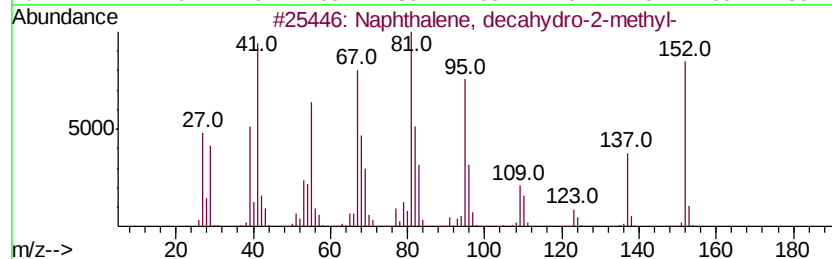
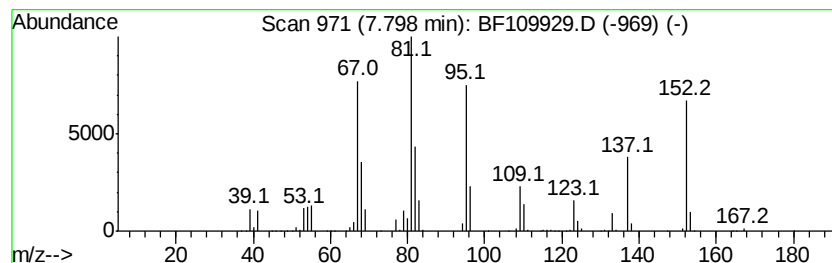
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, decahydro-2-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	9.25 ng	3598650	Naphthalene-d8	8.28

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	70
3			Pulegone	152	C10H16O	000089-82-7	62
4			Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	62
5			Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109929.D
Acq On : 17 Oct 2018 19:27
Operator : JU/SJ
Sample : J5521-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TWP-01

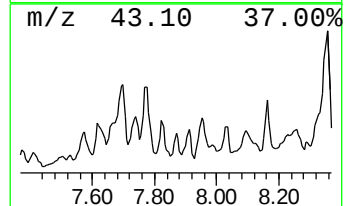
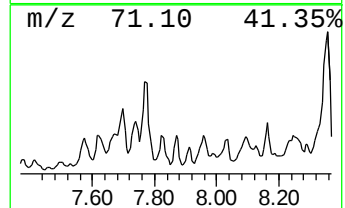
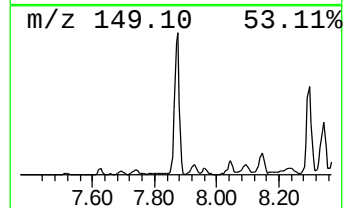
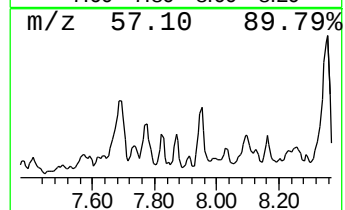
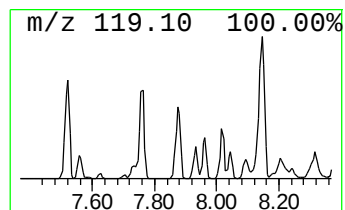
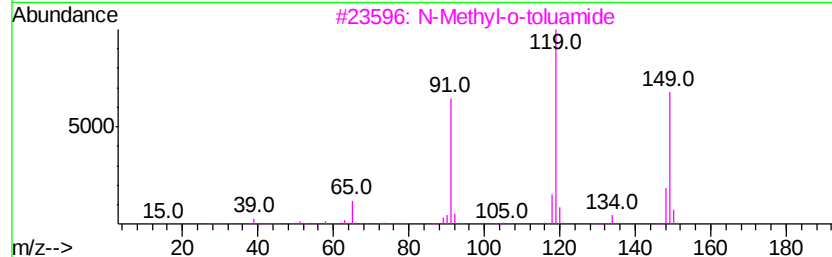
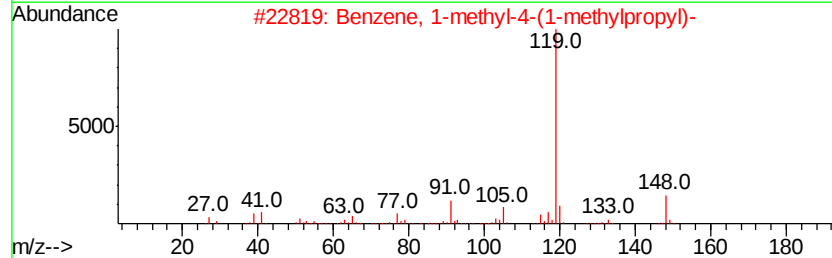
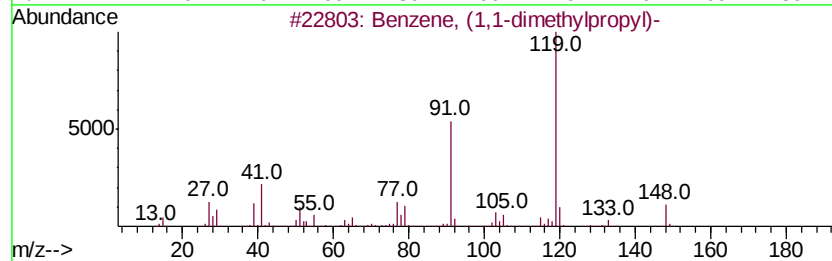
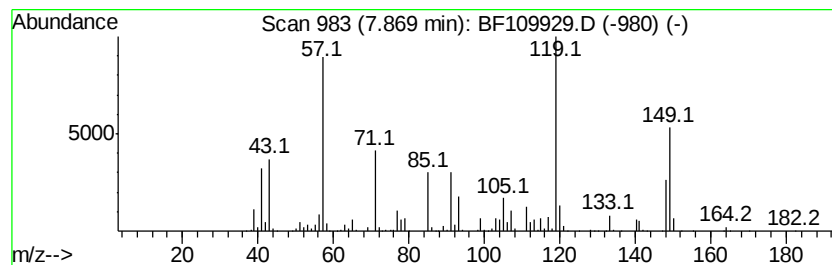
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzene, (1,1-dimethylpropyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	19.39 ng	7543880	Napthalene-d8	8.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	60
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	55
3		N-Methyl-o-toluamide	149	C9H11NO	002170-09-4	53
4		2-Ethyl-2-methyl-1,3-dithiolane	148	C6H12S2	006008-81-7	47
5		o-Cymene	134	C10H14	000527-84-4	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109929.D
Acq On : 17 Oct 2018 19:27
Operator : JU/SJ
Sample : J5521-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TWP-01

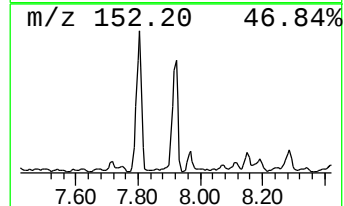
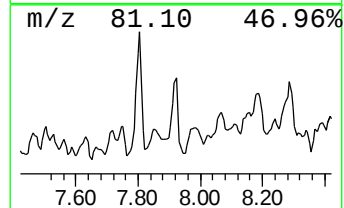
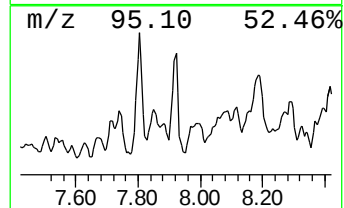
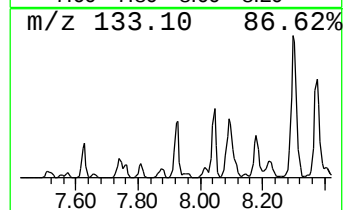
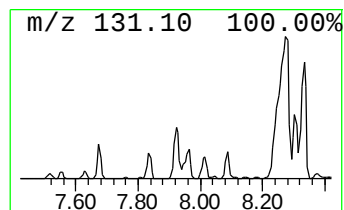
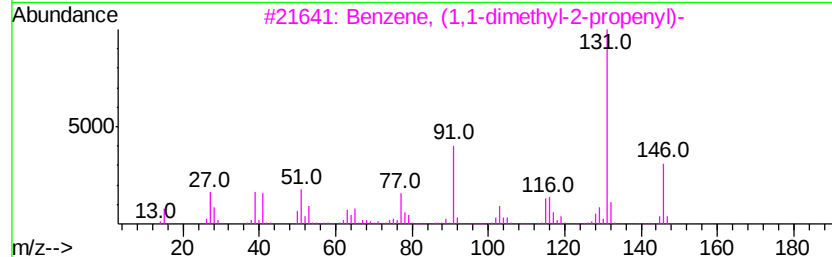
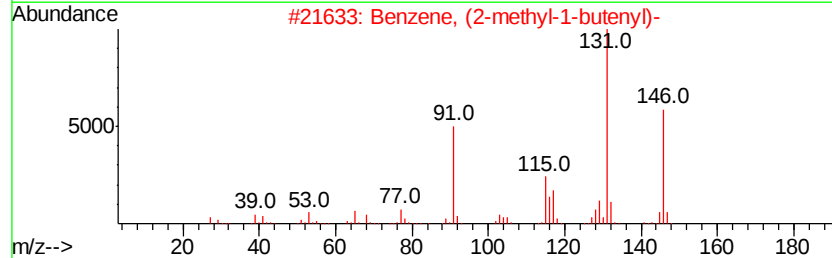
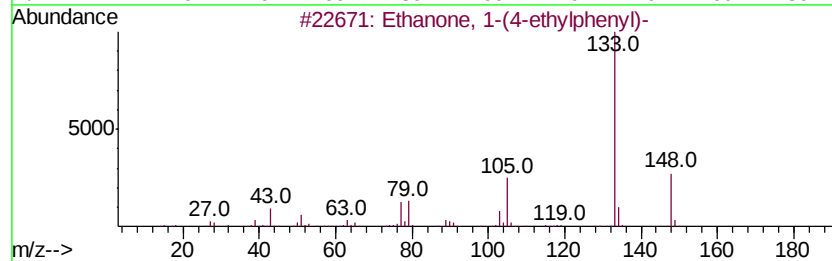
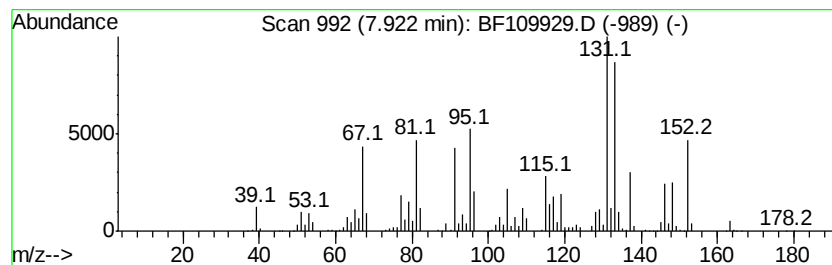
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown7.92 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	13.03 ng	5069380	Naphthalene-d8	8.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	40
2		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	40
3		Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	25
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	25
5		Ethyl-2-benzofuran	146	C10H10O	003131-63-3	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109929.D
Acq On : 17 Oct 2018 19:27
Operator : JU/SJ
Sample : J5521-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

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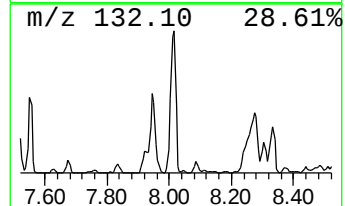
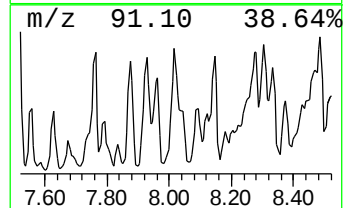
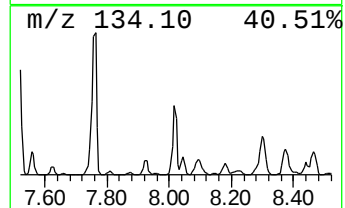
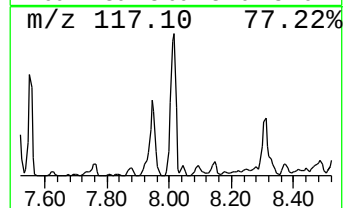
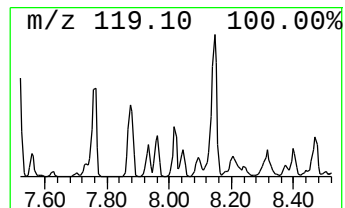
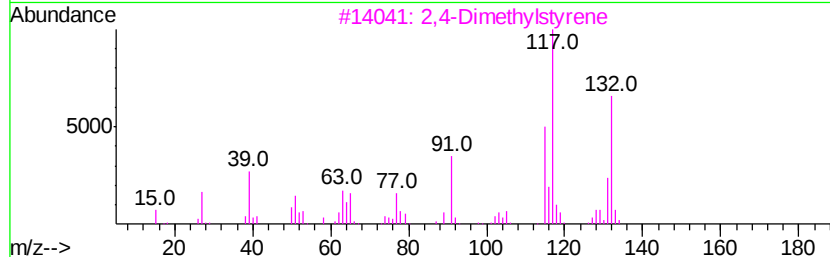
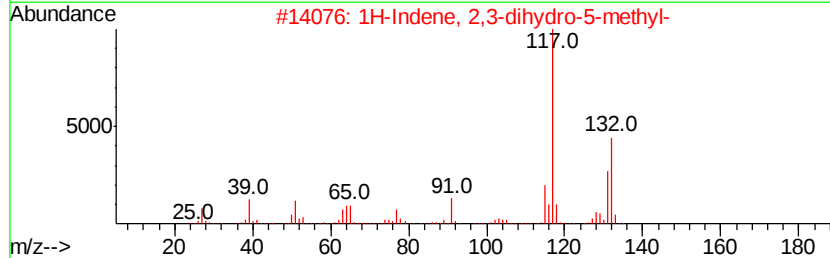
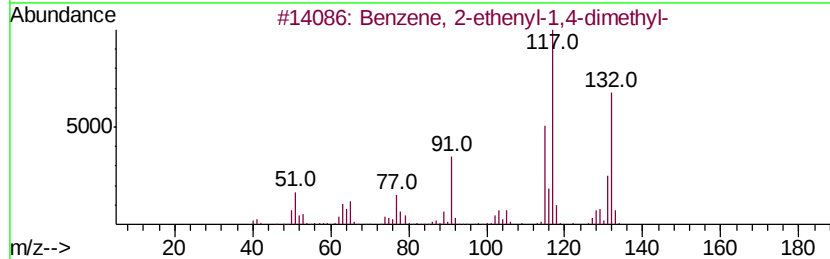
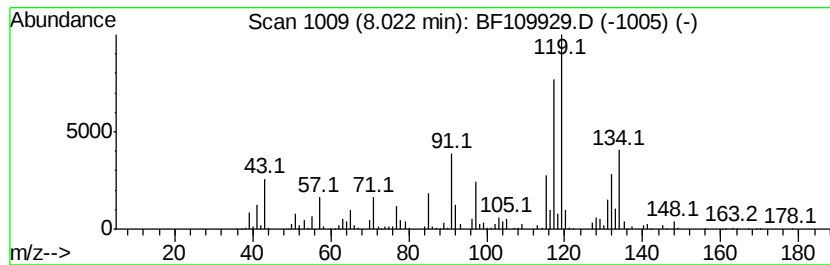
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	15.29 ng	5948910	Napthalene-d8	8.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
3		2,4-Dimethylstyrene	132	C10H12	002234-20-0	86
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
5		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109929.D
Acq On : 17 Oct 2018 19:27
Operator : JU/SJ
Sample : J5521-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TWP-01

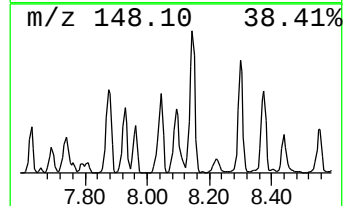
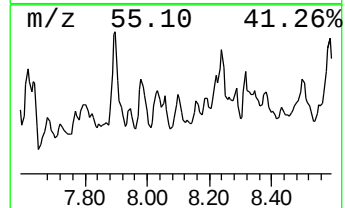
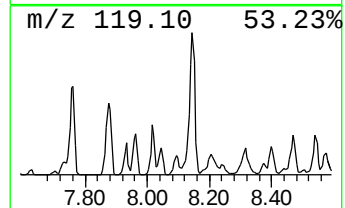
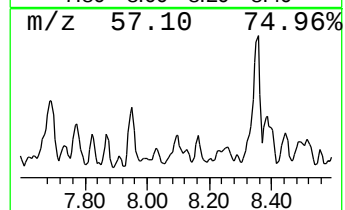
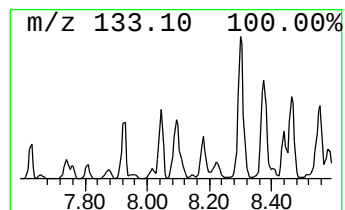
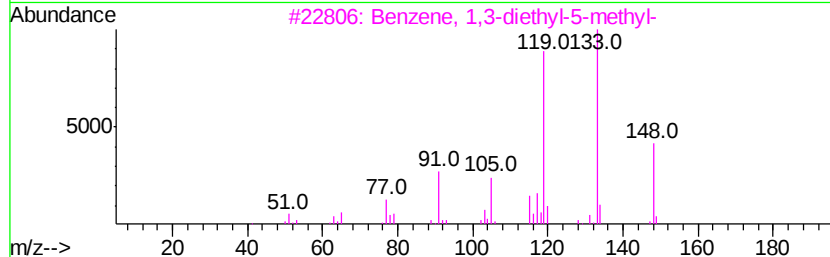
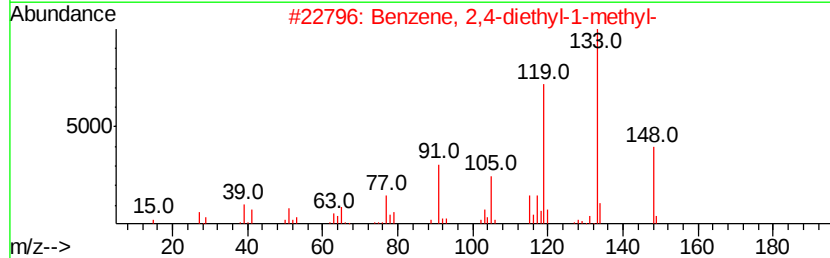
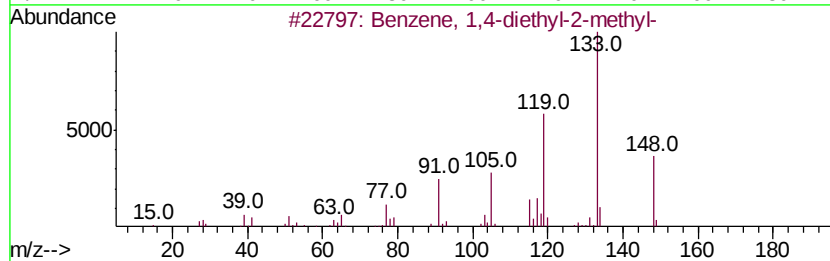
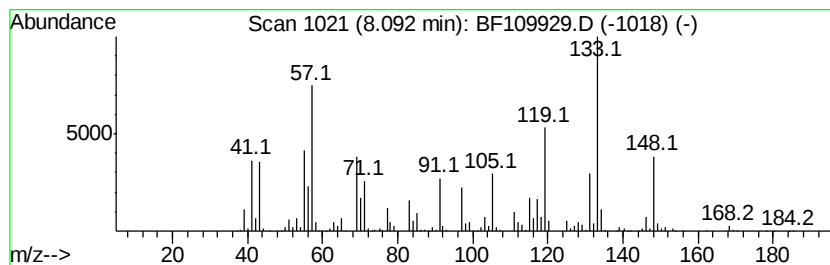
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	19.28 ng	7502030	Naphthalene-d8	8.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	96
2		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	93
3		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	78
4		Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	55
5		Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109929.D
Acq On : 17 Oct 2018 19:27
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Sample : J5521-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

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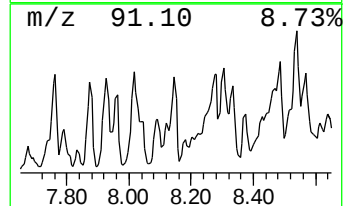
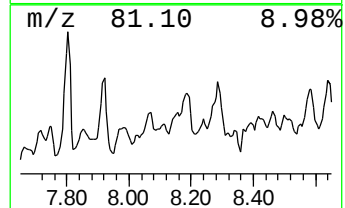
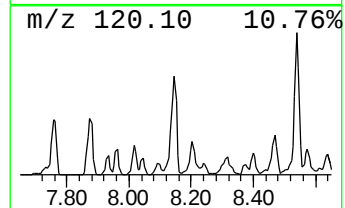
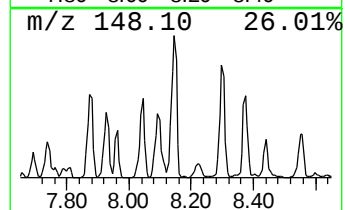
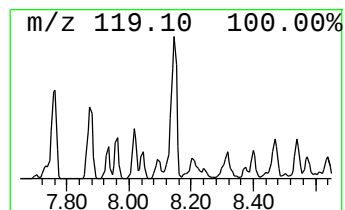
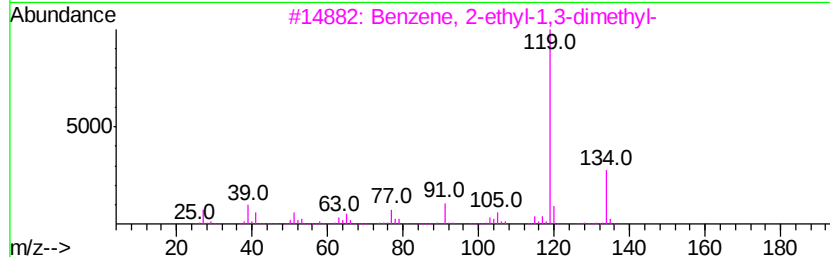
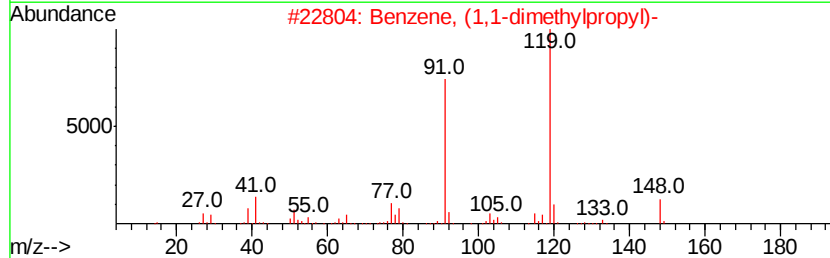
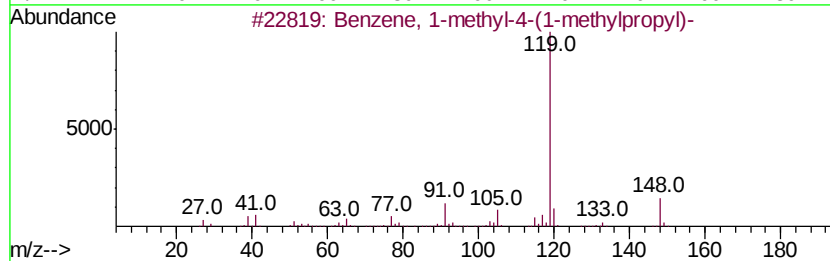
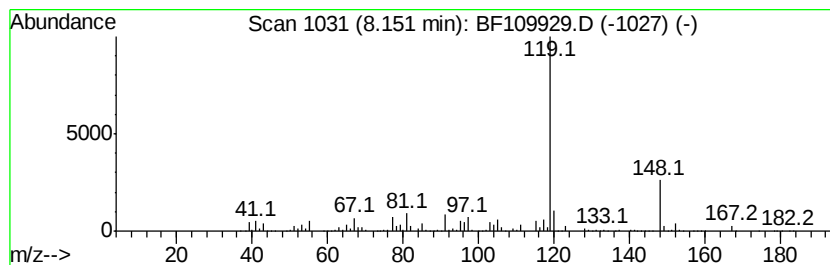
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzene, 1-methyl-4-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	19.26 ng	7491450	Napthalene-d8	8.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	91
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	86
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	72
4		1-Chloromethyl-3,5-dimethylbenzene	154	C9H11Cl	002745-54-2	64
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109929.D
Acq On : 17 Oct 2018 19:27
Operator : JU/SJ
Sample : J5521-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

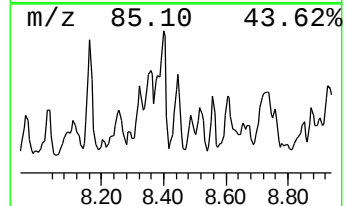
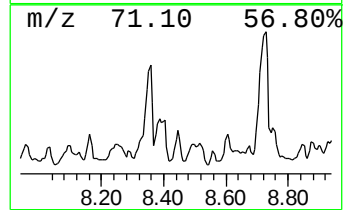
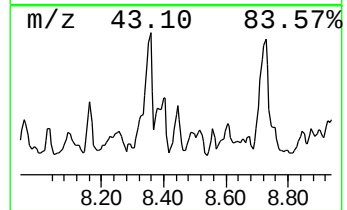
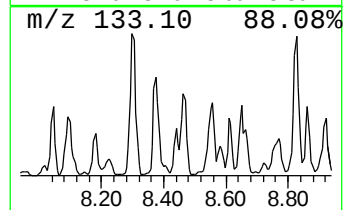
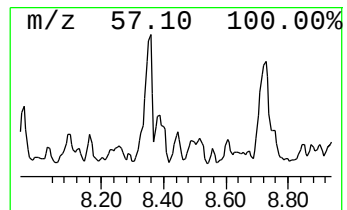
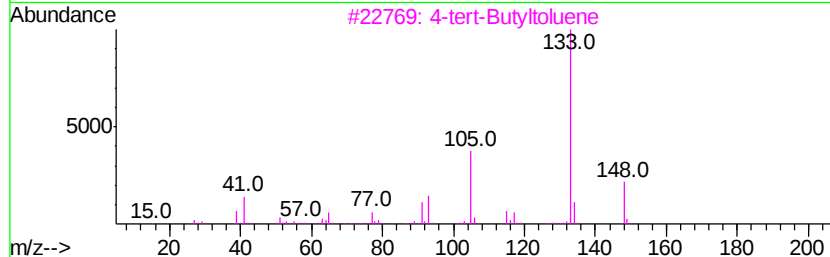
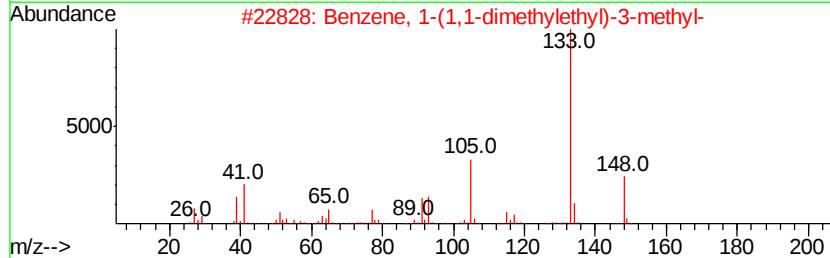
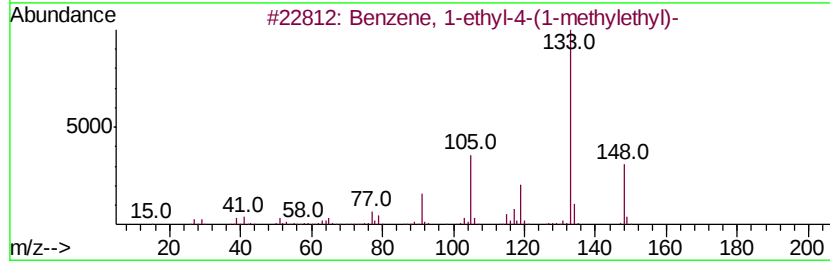
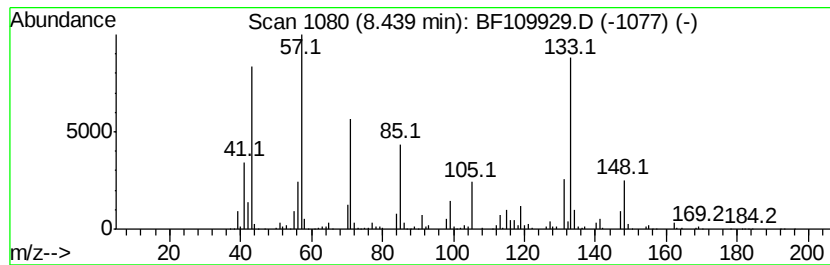
Instrument :
BNA_F
ClientSampleId :
TWP-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	11.06 ng	4303270	Naphthalene-d8	8.28
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethyl-4-(1-methylethyl)-	148 C11H16	004218-48-8 55
2		Benzene, 1-(1,1-dimethylethyl)-3...	148 C11H16	001075-38-3 43
3		4-tert-Butyltoluene	148 C11H16	000098-51-1 43
4		Benzene, 1,3-dimethyl-5-(1-methy...	148 C11H16	004706-90-5 38
5		2-tert-Butyltoluene	148 C11H16	001074-92-6 30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109929.D
Acq On : 17 Oct 2018 19:27
Operator : JU/SJ
Sample : J5521-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TWP-01

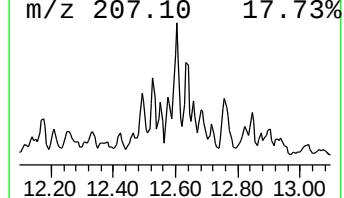
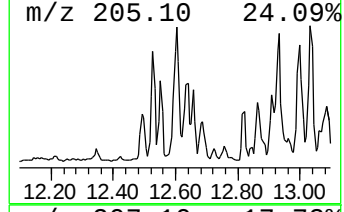
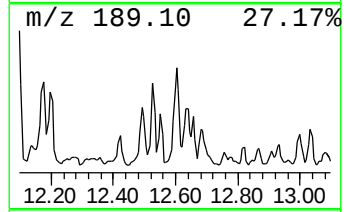
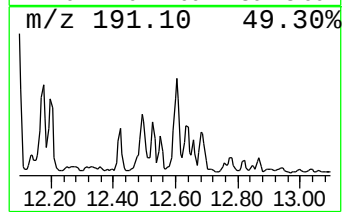
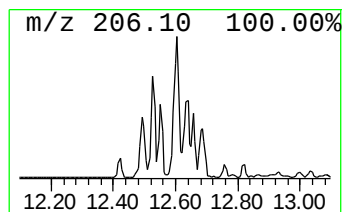
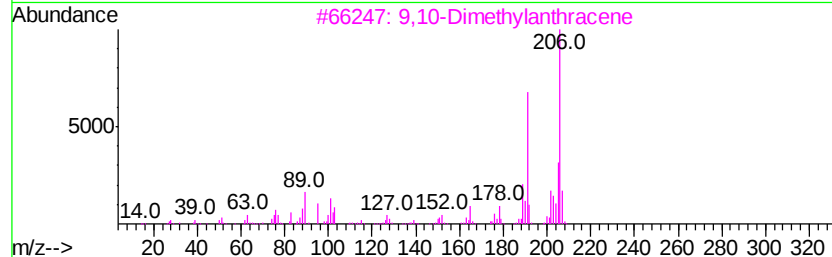
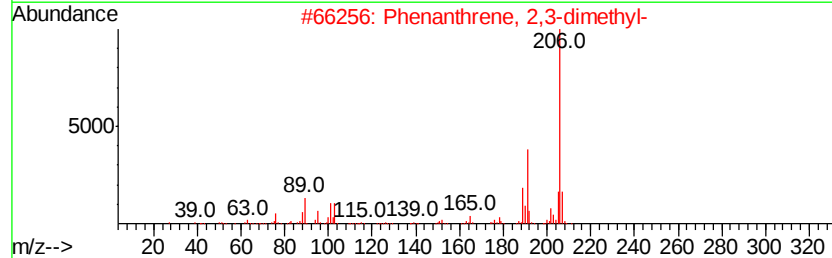
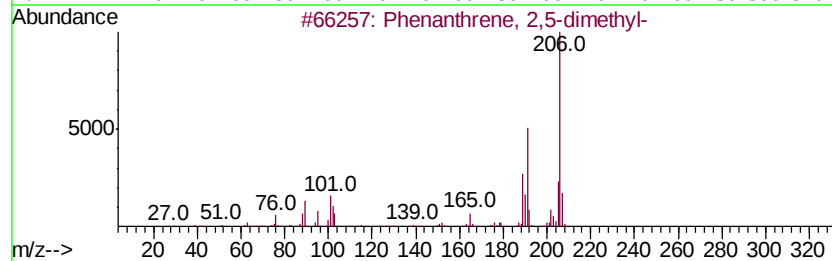
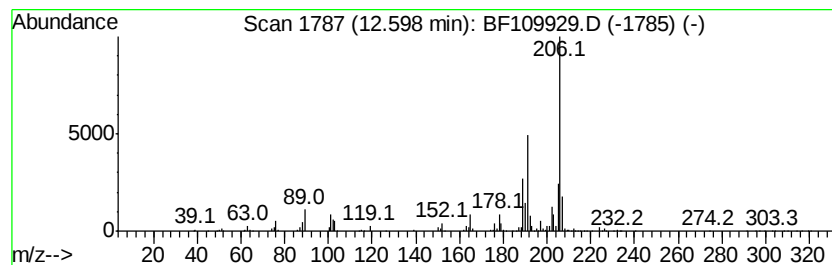
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	20.00 ng	2885250	Phenanthrene-d10	11.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	89
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109929.D
Acq On : 17 Oct 2018 19:27
Operator : JU/SJ
Sample : J5521-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TWP-01

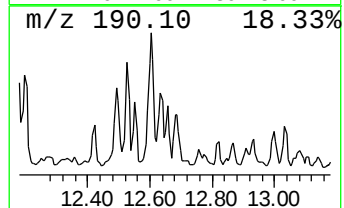
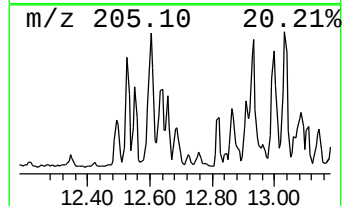
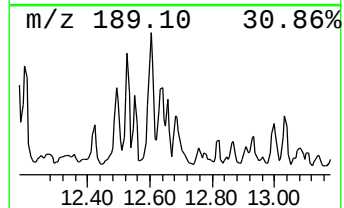
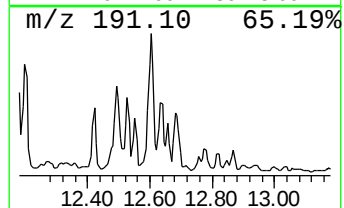
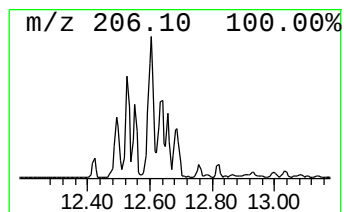
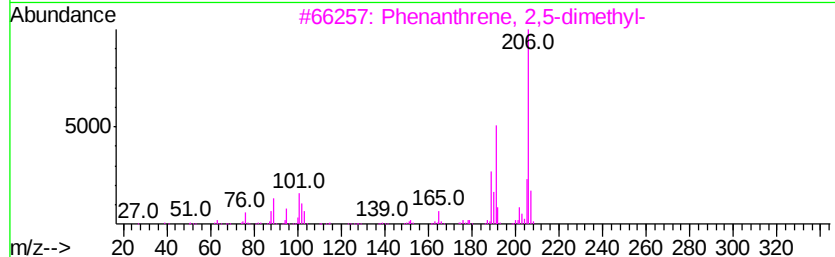
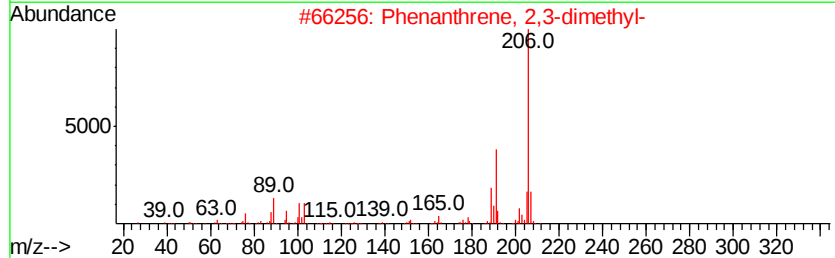
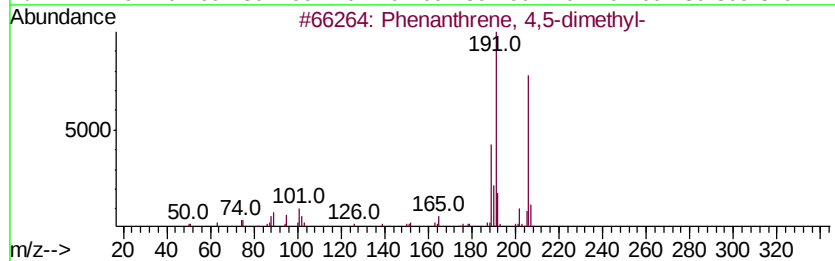
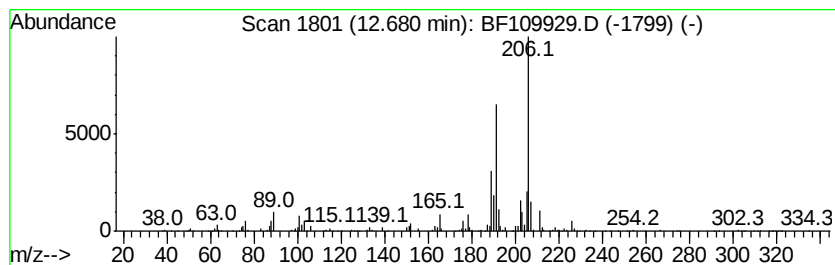
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	9.46 ng	1364520	Phenanthrene-d10	11.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
5			di-p-Tolylacetylene	206	C16H14	002789-88-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101718\
 Data File : BF109929.D
 Acq On : 17 Oct 2018 19:27
 Operator : JU/SJ
 Sample : J5521-20
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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...	6.23	18.1 ng		7823500	1	6.98	8667650	20.0
4-Nonene, 3-methy...	6.52	13.9 ng		6006810	1	6.98	8667650	20.0
Cyclohexane, 1-me...	6.72	9.2 ng		3973810	1	6.98	8667650	20.0
Nonane, 3,7-dimet...	7.09	14.8 ng		6411860	1	6.98	8667650	20.0
unknown7.13	7.13	15.0 ng		6483170	1	6.98	8667650	20.0
unknown7.26	7.26	14.1 ng		6087600	1	6.98	8667650	20.0
Naphthalene, deca...	7.39	16.7 ng		7230430	1	6.98	8667650	20.0
Ethanone, 1-(2,5-...	7.63	26.4 ng		11446500	1	6.98	8667650	20.0
unknown7.69	7.69	33.5 ng		13047800	2	8.28	7780590	20.0
Benzene, 1,2,4,5-...	7.76	16.9 ng		6588480	2	8.28	7780590	20.0
Naphthalene, deca...	7.80	9.3 ng		3598650	2	8.28	7780590	20.0
Benzene, (1,1-dim...	7.87	19.4 ng		7543880	2	8.28	7780590	20.0
unknown7.92	7.92	13.0 ng		5069380	2	8.28	7780590	20.0
Benzene, 2-etheny...	8.02	15.3 ng		5948910	2	8.28	7780590	20.0
Benzene, 1,4-diet...	8.09	19.3 ng		7502030	2	8.28	7780590	20.0
Benzene, 1-methyl...	8.15	19.3 ng		7491450	2	8.28	7780590	20.0
Benzene, 1-ethyl-...	8.44	11.1 ng		4303270	2	8.28	7780590	20.0
Phenanthrene, 2,5...	12.60	20.0 ng		2885250	4	11.56	2885250	20.0
Phenanthrene, 4,5...	12.68	9.5 ng		1364520	4	11.56	2885250	20.0