

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
 Data File : BF110770.D
 Acq On : 14 Nov 2018 17:55
 Operator : JU/SJ
 Sample : J5889-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WALL-B

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-BF110818.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	5.563	588	591	600	rVB	1745785	1754671	15.45%	0.743%
2	5.845	635	639	647	rVB	844490	906940	7.98%	0.384%
3	5.963	651	659	662	rBV3	434948	627419	5.52%	0.266%
4	6.192	691	698	703	rBV2	952990	1923682	16.94%	0.814%
5	6.240	703	706	708	rVB	614855	555870	4.89%	0.235%
6	6.375	724	729	732	rBV3	523411	800435	7.05%	0.339%
7	6.434	736	739	741	rVB	703121	687765	6.06%	0.291%
8	6.469	741	745	749	rBV4	1614826	2412262	21.24%	1.021%
9	6.545	756	758	760	rBV	579010	568656	5.01%	0.241%
10	6.575	760	763	767	rVB2	1351323	1556309	13.70%	0.659%
11	6.681	776	781	784	rBV3	752082	1254863	11.05%	0.531%
12	6.716	784	787	792	rVB	2303245	2466304	21.71%	1.044%
13	6.769	792	796	799	rBV	4016079	4495159	39.58%	1.902%
14	6.898	815	818	821	rBV3	495262	732839	6.45%	0.310%
15	6.951	822	827	829	rVB	2314118	2480440	21.84%	1.050%
16	7.004	832	836	838	rBV2	893441	896837	7.90%	0.380%
17	7.087	847	850	851	rBV2	1311018	1371021	12.07%	0.580%
18	7.104	851	853	861	rVB3	1565269	2254357	19.85%	0.954%
19	7.210	865	871	874	rBV3	1951756	2780019	24.48%	1.177%
20	7.263	877	880	886	rVB2	1972205	2841087	25.01%	1.202%
21	7.322	886	890	891	rBV	1087366	1161078	10.22%	0.491%
22	7.339	891	893	896	rVV2	1088852	1196907	10.54%	0.507%
23	7.369	896	898	902	rVB3	634983	693275	6.10%	0.293%
24	7.410	902	905	907	rBV2	846374	1045232	9.20%	0.442%
25	7.434	907	909	911	rVB	693139	537830	4.74%	0.228%
26	7.481	911	917	920	rBV4	2546072	3653524	32.17%	1.546%
27	7.516	920	923	925	rVV2	2402597	2991166	26.33%	1.266%
28	7.539	925	927	930	rVB	4322163	3628019	31.94%	1.535%
29	7.587	930	935	939	rBV5	1712261	2835614	24.97%	1.200%
30	7.639	939	944	949	rBV5	1181179	2567348	22.60%	1.087%
31	7.716	954	957	960	rBV	1774010	1614102	14.21%	0.683%
32	7.745	960	962	963	rBV	1686677	1295006	11.40%	0.548%
33	7.845	971	979	981	rBV4	2178703	3403484	29.96%	1.440%
34	7.875	981	984	986	rVV2	2863908	3037688	26.74%	1.286%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.898	986	988	992	rVV2	1533162	1992039	17.54%	0.843%
36	7.934	992	994	997	rVV3	1061465	1319948	11.62%	0.559%
37	7.969	997	1000	1003	rVV2	3296628	3770572	33.20%	1.596%
38	8.016	1006	1008	1010	rVV2	1010899	840519	7.40%	0.356%
39	8.039	1010	1012	1015	rVV3	800485	941354	8.29%	0.398%
40	8.098	1019	1022	1025	rVB	1382182	1283434	11.30%	0.543%
41	8.134	1025	1028	1031	rBV3	537059	842480	7.42%	0.357%
42	8.210	1034	1041	1045	rVV3	4280773	8051904	70.89%	3.408%
43	8.257	1047	1049	1051	rVV	2392475	2972031	26.17%	1.258%
44	8.286	1051	1054	1056	rVV2	3699947	4202433	37.00%	1.779%
45	8.316	1056	1059	1064	rVB3	1293483	1624160	14.30%	0.687%
46	8.381	1067	1070	1072	rBV3	418281	551490	4.86%	0.233%
47	8.434	1076	1079	1083	rVB	1795280	1839576	16.20%	0.779%
48	8.481	1084	1087	1088	rBV2	650431	614537	5.41%	0.260%
49	8.522	1089	1094	1098	rBV5	2263416	3752463	33.04%	1.588%
50	8.616	1106	1110	1112	rBV3	901294	1251502	11.02%	0.530%
51	8.651	1112	1116	1122	rVB	2955191	4610967	40.60%	1.951%
52	8.739	1128	1131	1134	rBV	1787789	2083410	18.34%	0.882%
53	8.828	1142	1146	1151	rBV	2439611	3262671	28.73%	1.381%
54	8.963	1165	1169	1175	rVB	2696810	3876683	34.13%	1.641%
55	9.063	1182	1186	1191	rBV2	2847860	4350734	38.30%	1.841%
56	9.186	1204	1207	1212	rBV5	863161	1293789	11.39%	0.548%
57	9.263	1215	1220	1226	rVB2	3158378	5463511	48.10%	2.312%
58	9.316	1226	1229	1237	rVB3	1083858	1549090	13.64%	0.656%
59	9.404	1238	1244	1248	rBV2	3852579	7441926	65.52%	3.150%
60	9.604	1272	1278	1282	rBV	2539762	5459524	48.07%	2.311%
61	9.722	1294	1298	1304	rVB3	4183168	8250369	72.64%	3.492%
62	9.875	1320	1324	1327	rBV	1901990	2697931	23.75%	1.142%
63	9.933	1329	1334	1337	rVB	3367453	5177199	45.58%	2.191%
64	10.122	1361	1366	1369	rBV	1712784	2904511	25.57%	1.229%
65	10.157	1369	1372	1375	rVV4	1162912	1571643	13.84%	0.665%
66	10.186	1375	1377	1379	rVV	1144579	1165768	10.26%	0.493%
67	10.216	1379	1382	1385	rVV	2086149	2539728	22.36%	1.075%
68	10.263	1385	1390	1398	rVB4	3243406	7149511	62.95%	3.026%
69	10.333	1398	1402	1404	rBV2	2233199	3357741	29.56%	1.421%
70	10.363	1404	1407	1412	rVB2	2258031	2842409	25.02%	1.203%
71	10.428	1413	1418	1420	rBV2	3681748	5518551	48.59%	2.336%

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72	10.557	1437	1440	1442	rBV2	812350	947495	8.34%	0.401%
73	10.651	1450	1456	1458	rBV2	3873398	6158113	54.22%	2.606%
74	10.698	1462	1464	1466	rBV3	915780	904996	7.97%	0.383%
75	10.727	1466	1469	1473	rVB3	1061069	1123567	9.89%	0.476%
76	10.763	1473	1475	1479	rVB3	1420619	1492495	13.14%	0.632%
77	10.804	1479	1482	1485	rBV3	910416	1364131	12.01%	0.577%
78	10.927	1495	1503	1506	rBV	5140529	11358282	100.00%	4.807%
79	11.086	1527	1530	1532	rBV2	899846	1114389	9.81%	0.472%
80	11.145	1537	1540	1543	rBV3	1432486	1375576	12.11%	0.582%
81	11.345	1570	1574	1576	rBV	1931445	2271706	20.00%	0.961%
82	11.375	1576	1579	1593	rVB	4237320	7122438	62.71%	3.014%
83	11.533	1603	1606	1607	rBV	928784	821755	7.23%	0.348%
84	11.586	1612	1615	1616	rBV2	608692	592404	5.22%	0.251%
85	11.610	1616	1619	1622	rVV2	1073096	1207999	10.64%	0.511%
86	11.651	1622	1626	1630	rVV6	668831	1144052	10.07%	0.484%
87	11.716	1634	1637	1642	rVV2	1566858	2200307	19.37%	0.931%
88	11.763	1642	1645	1649	rVB	2350586	2347026	20.66%	0.993%
89	12.004	1682	1686	1687	rBV	937660	1040459	9.16%	0.440%
90	12.033	1689	1691	1693	rVB	1172725	909306	8.01%	0.385%
91	12.110	1701	1704	1707	rVV2	1064555	1047538	9.22%	0.443%
92	12.139	1707	1709	1711	rVV	745783	575149	5.06%	0.243%
93	12.163	1711	1713	1716	rVB	1242325	951687	8.38%	0.403%
94	12.439	1757	1760	1763	rVB	977633	948086	8.35%	0.401%
95	12.474	1763	1766	1768	rVB	661799	576617	5.08%	0.244%
96	12.498	1768	1770	1775	rVB2	588575	615968	5.42%	0.261%
97	12.545	1775	1778	1782	rBV	1951941	2225127	19.59%	0.942%
98	12.945	1843	1846	1850	rVV2	506315	553359	4.87%	0.234%
99	12.986	1850	1853	1857	rVB	501638	547747	4.82%	0.232%
100	13.069	1864	1867	1869	rVV	1556057	1301601	11.46%	0.551%

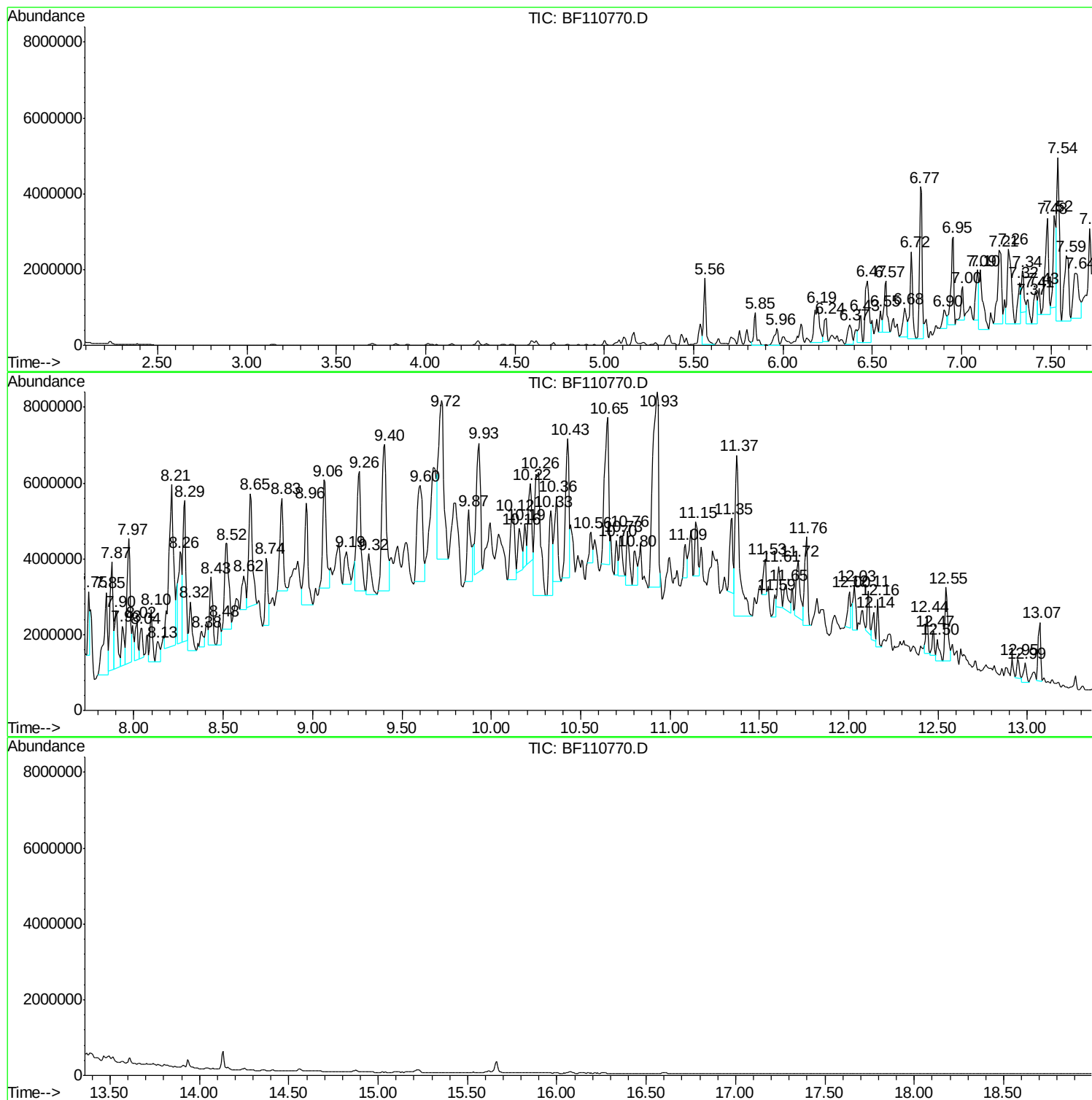
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Instrument :
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ClientSampled :
WALL-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.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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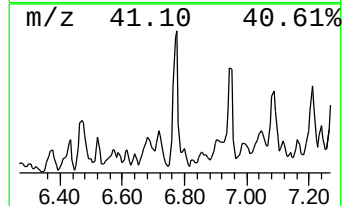
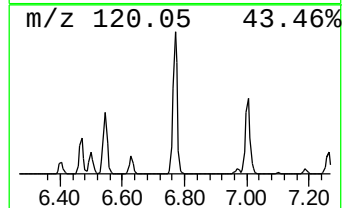
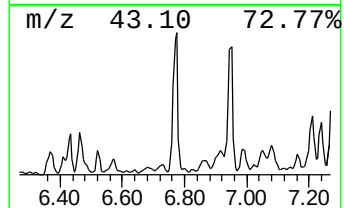
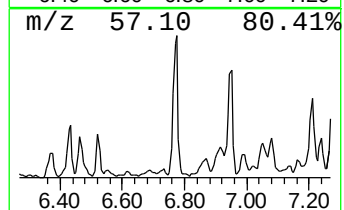
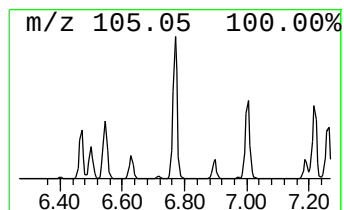
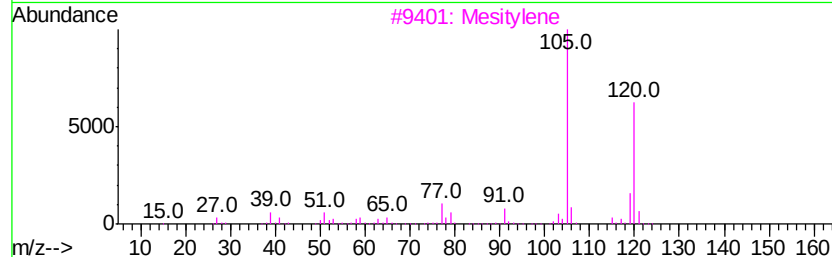
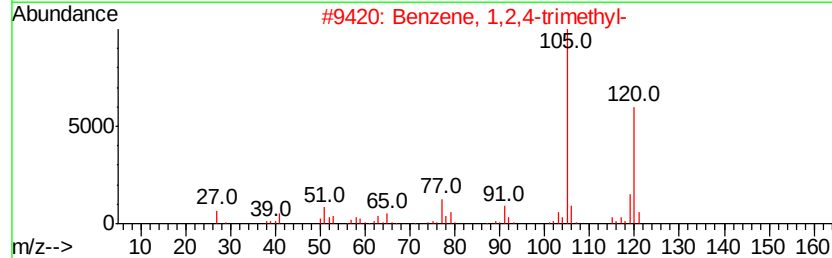
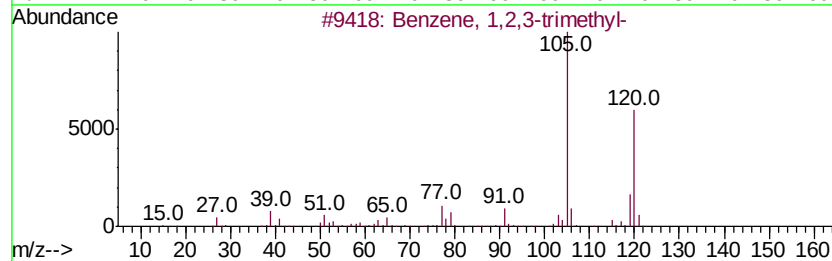
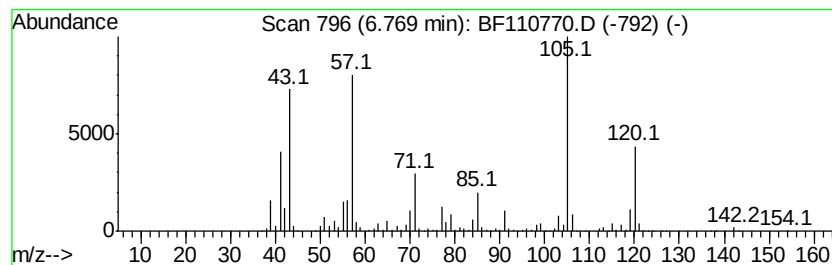
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	36.24 ng	4495160	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
3		Mesitylene	120	C9H12	000108-67-8	87
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	50
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	50



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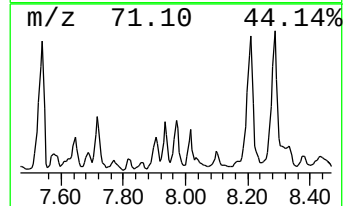
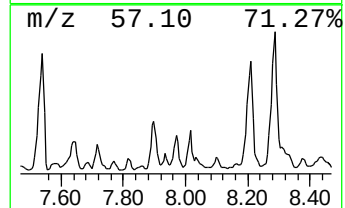
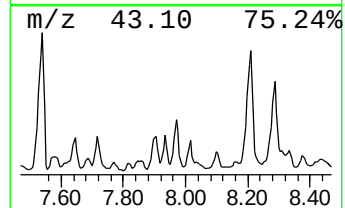
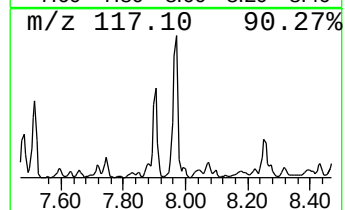
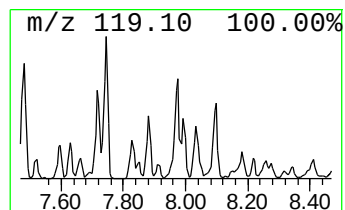
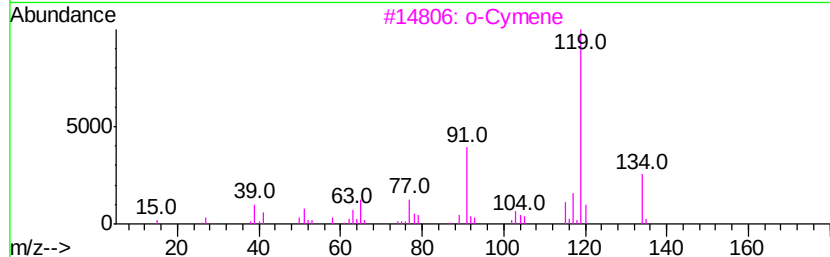
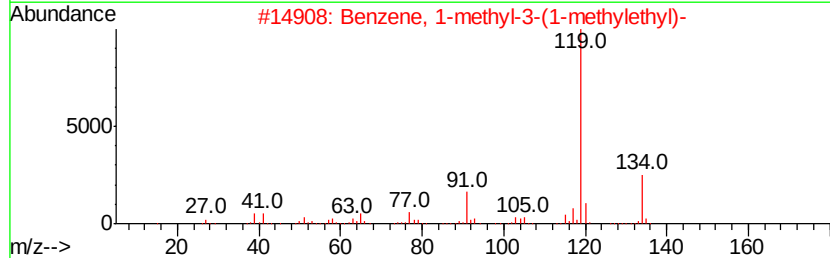
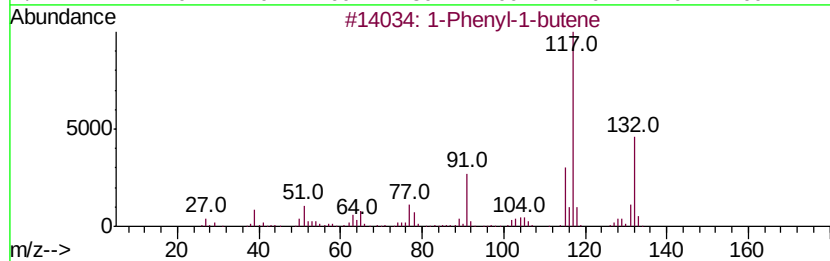
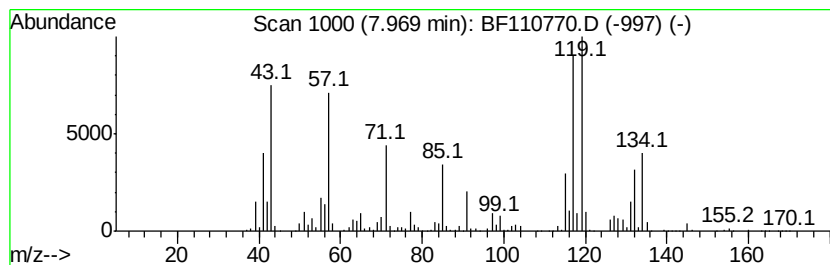
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 1-Phenyl-1-butene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	25.37 ng	3770570	Napthalene-d8	8.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	55
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	42
3		o-Cymene	134	C10H14	000527-84-4	41
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	38
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	38



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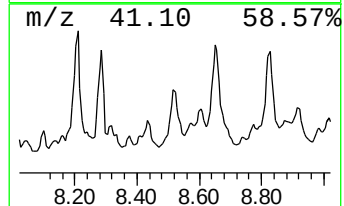
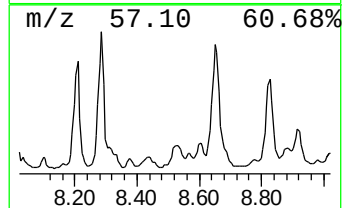
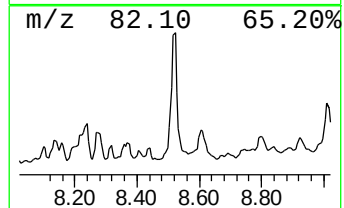
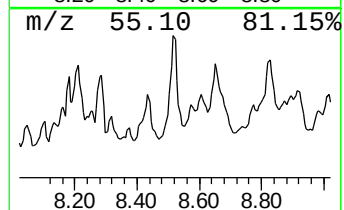
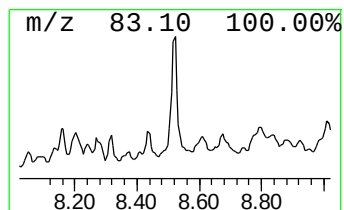
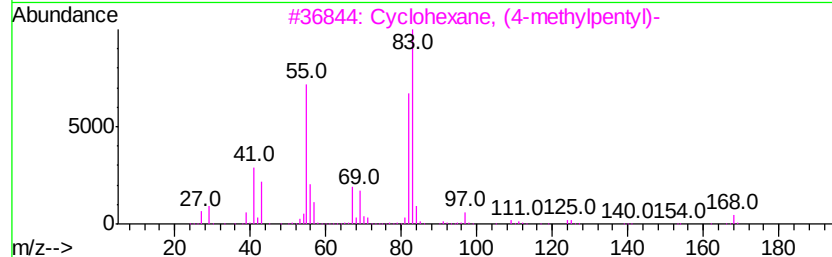
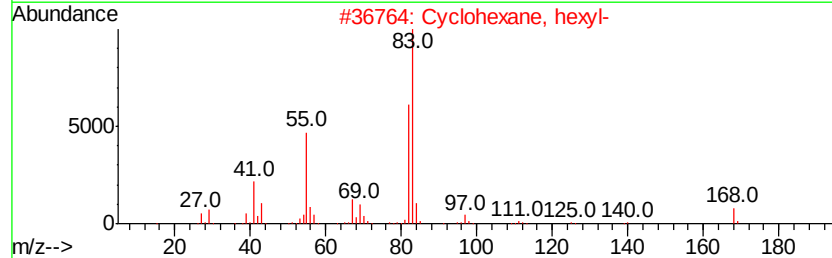
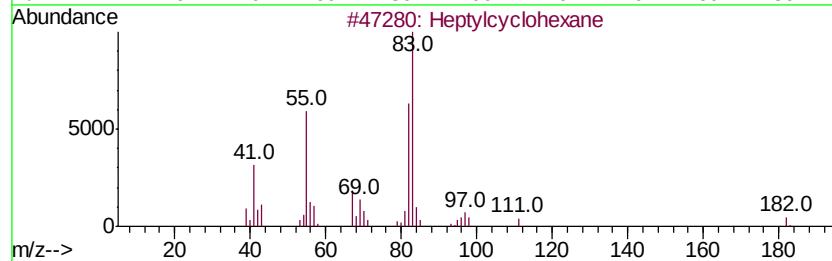
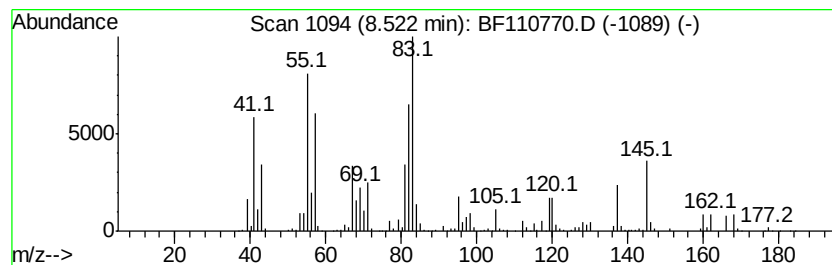
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TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown8.52 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.52	25.25 ng	3752460	Napthalene-d8	8.24		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptylcyclohexane	182	C13H26	005617-41-4	47
2		Cyclohexane, hexyl-	168	C12H24	004292-75-5	46
3		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	46
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	43
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43



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Operator : JU/SJ
Sample : J5889-02
Misc :
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Instrument :
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ClientSampleId :
WALL-B

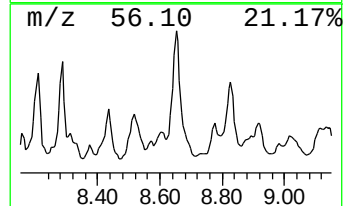
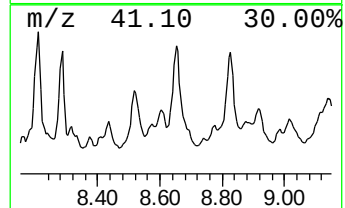
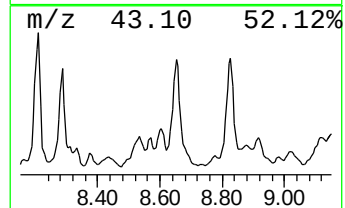
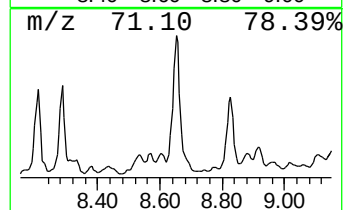
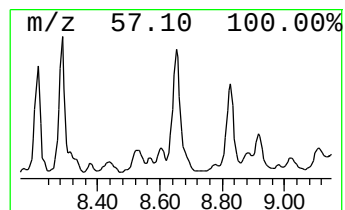
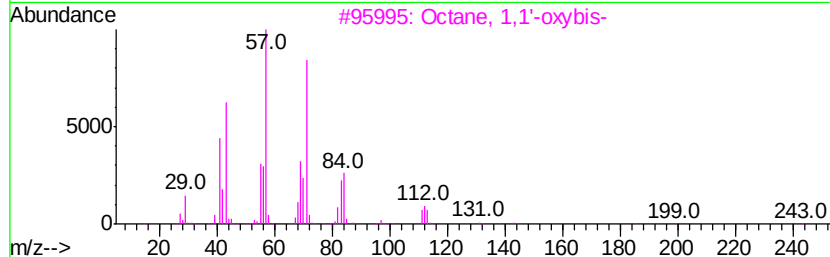
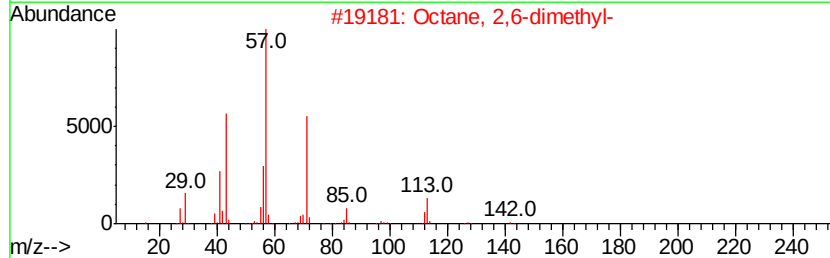
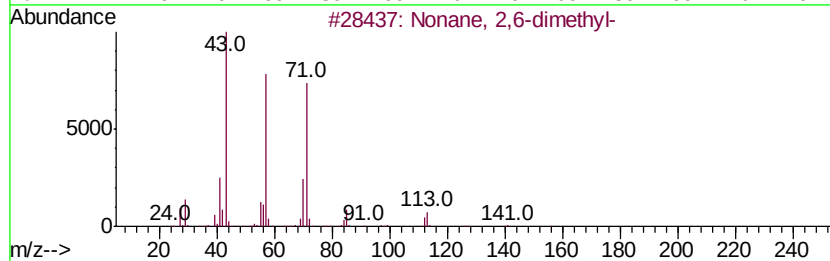
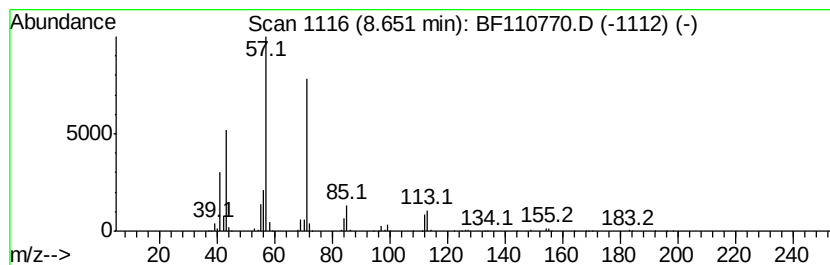
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Nonane, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	31.03 ng	4610970	Napthalene-d8	8.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-			156	C11H24	017302-28-2	80
2	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	78
3	Octane, 1,1'-oxybis-			242	C16H34O	000629-82-3	72
4	Tridecane, 5-propyl-			226	C16H34	055045-11-9	64
5	1-Iodo-2-methylnonane			268	C10H21I	1000101-47-9	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
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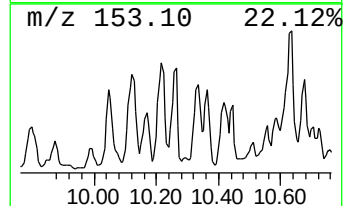
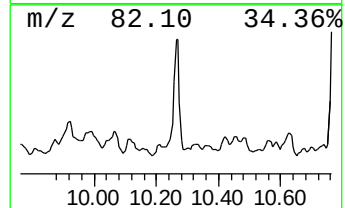
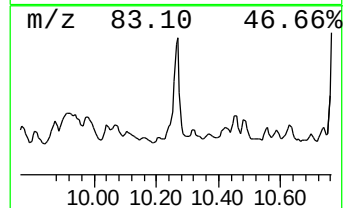
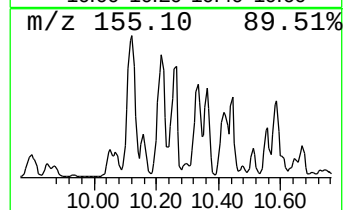
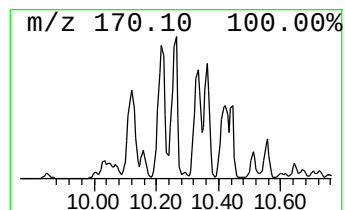
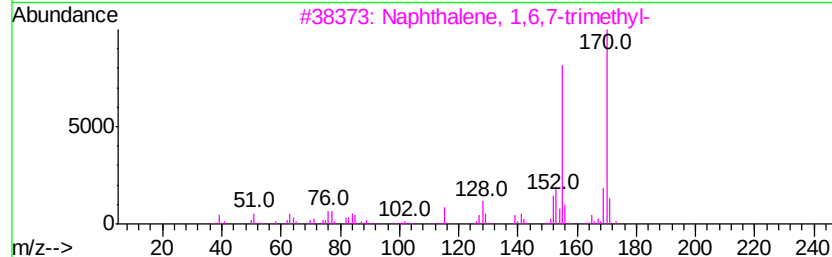
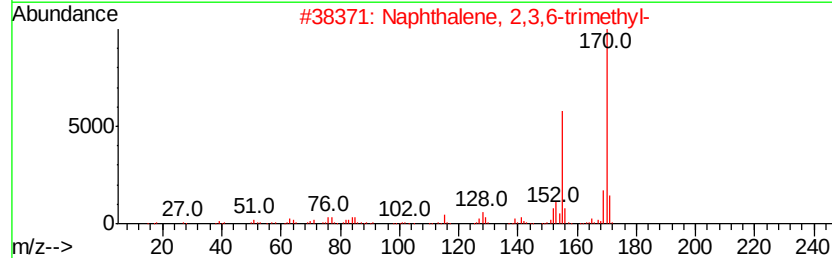
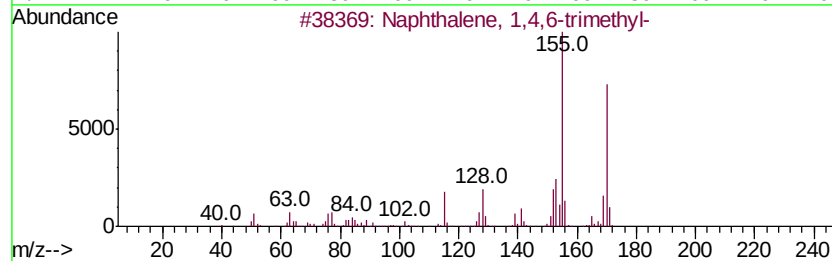
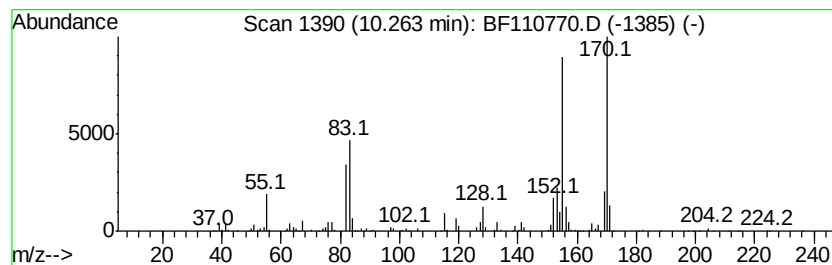
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 1,4,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	27.62 ng	7149510	Acenaphthene-d10	10.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
5		1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
Data File : BF110770.D
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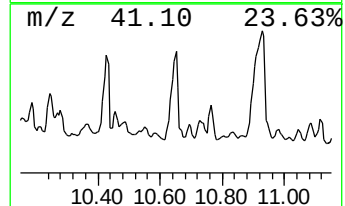
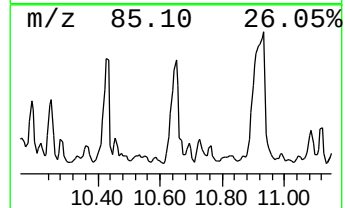
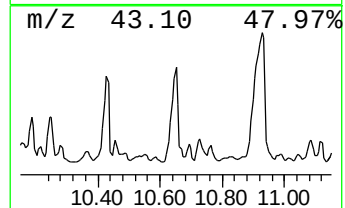
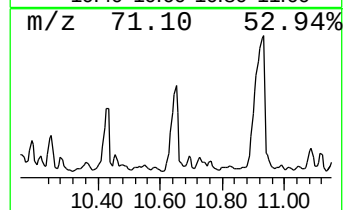
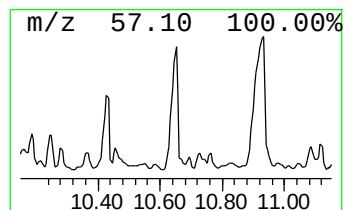
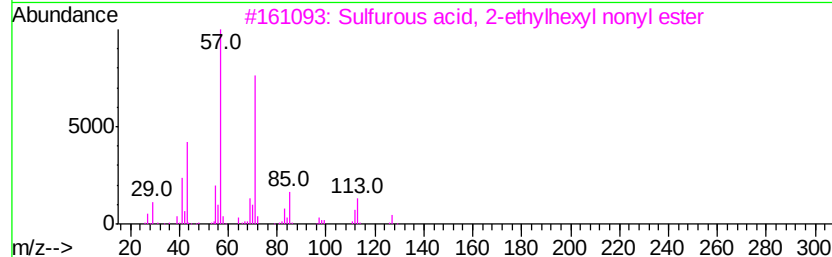
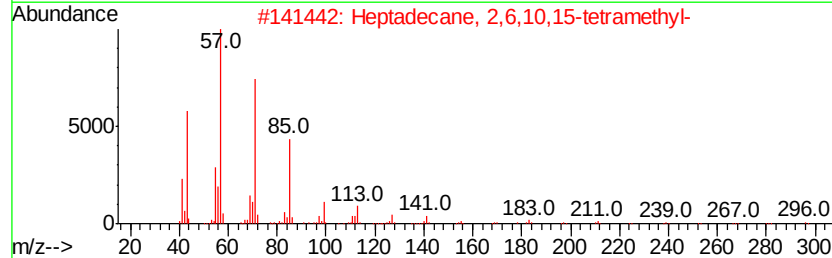
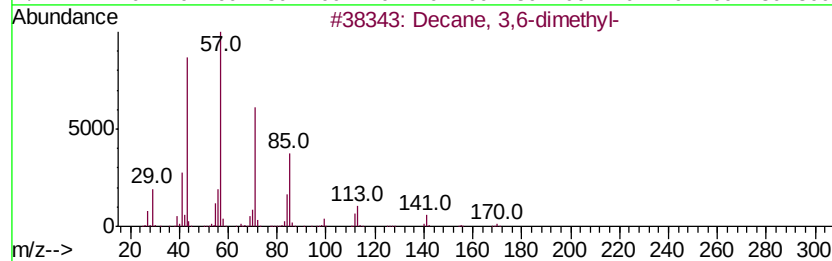
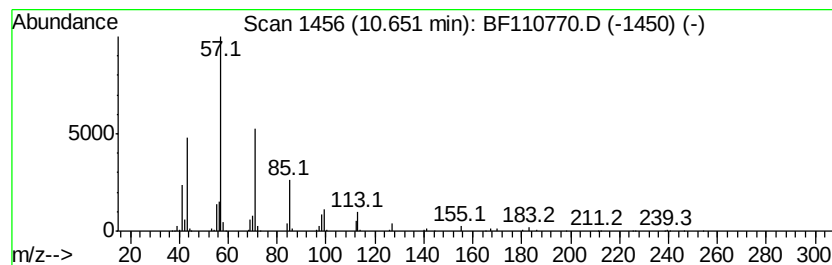
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Decane, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	23.79 ng	6158110	Acenaphthene-d10	10.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 3,6-dimethyl-	170 C12H26	017312-53-7	81
2	Heptadecane, 2,6,10,15-tetramethyl-	296 C21H44	054833-48-6	72
3	Sulfurous acid, 2-ethylhexyl nonyl...	320 C17H36O3S	1000309-19-2	72
4	Dodecane, 2,7,10-trimethyl-	212 C15H32	074645-98-0	64
5	Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
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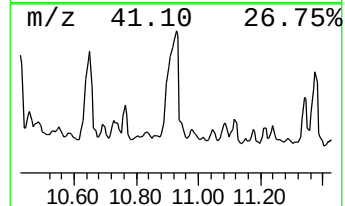
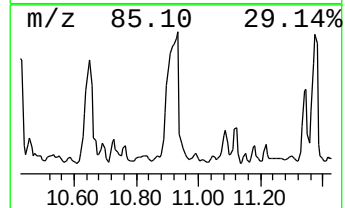
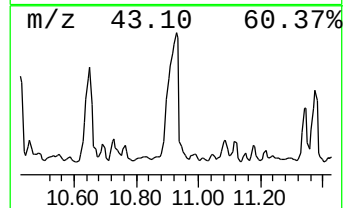
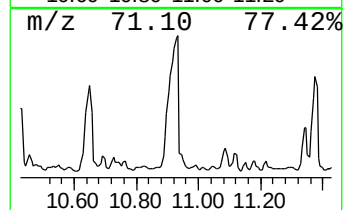
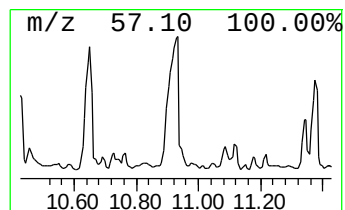
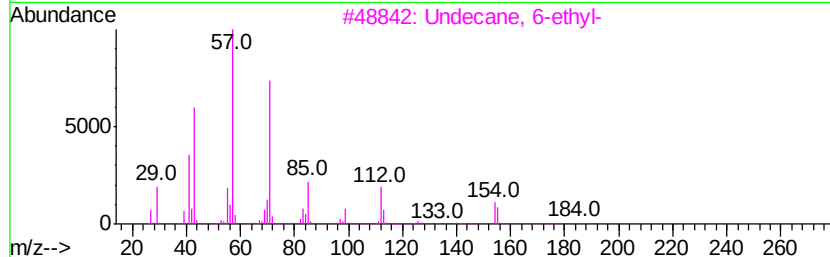
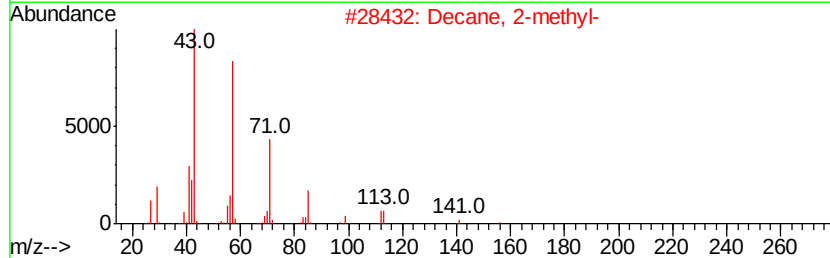
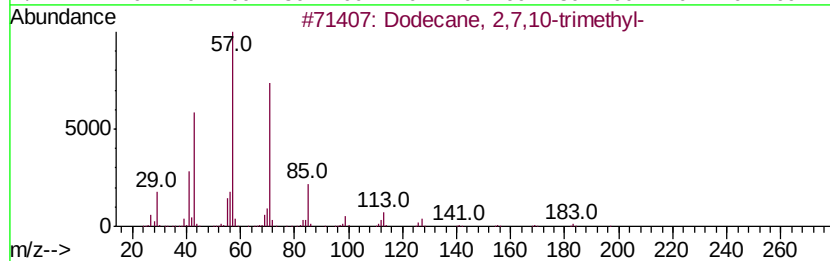
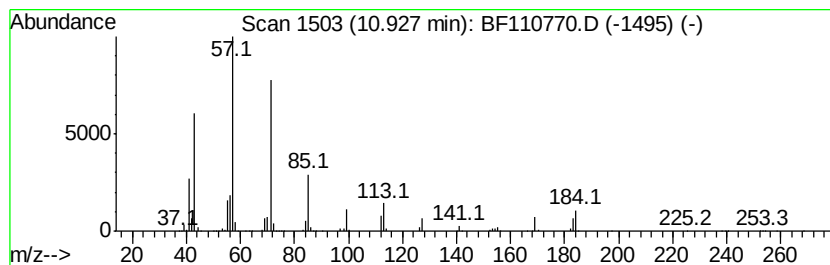
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dodecane, 2,7,10-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.		
10.93	276.44 ng	11358300	Phenanthrene-d10		11.50		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
2			Decane, 2-methyl-	156	C11H24	006975-98-0	72
3			Undecane, 6-ethyl-	184	C13H28	017312-60-6	64
4			Tridecane	184	C13H28	000629-50-5	64
5			Undecane, 4-methyl-	170	C12H26	002980-69-0	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
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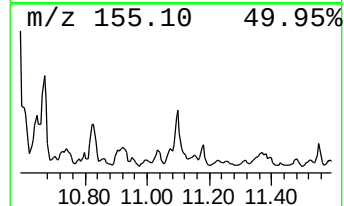
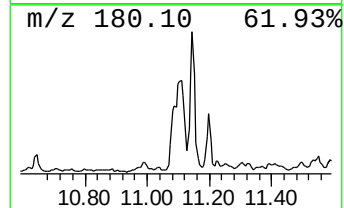
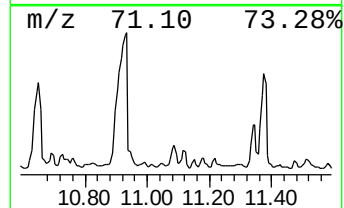
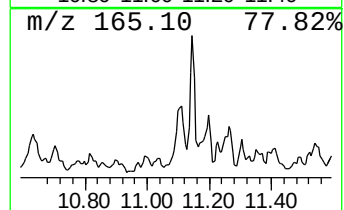
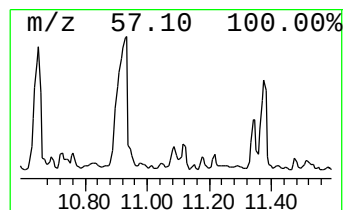
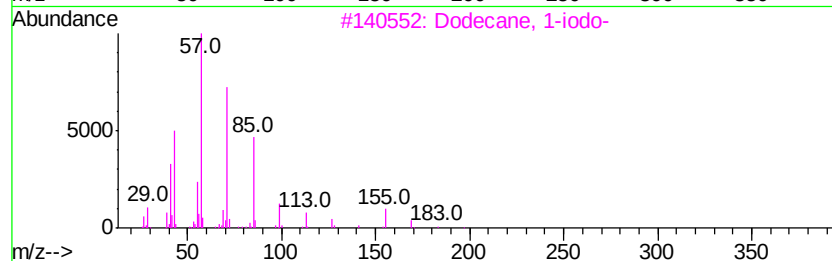
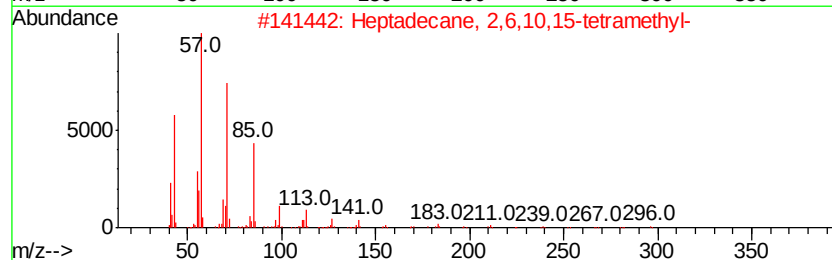
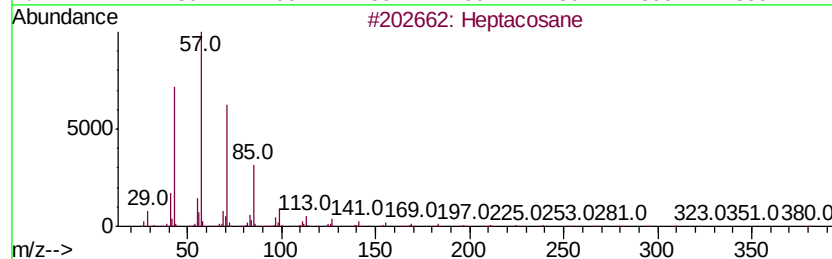
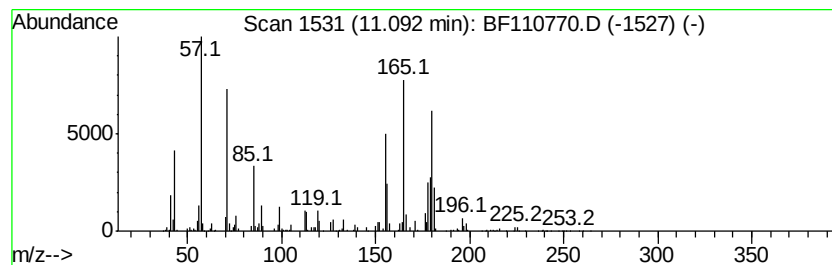
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heptacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	27.12 ng	1114390	Phenanthrene-d10	11.50

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane		380	C27H56	000593-49-7	52
2	Heptadecane, 2,6,10,15-tetramethyl-		296	C21H44	054833-48-6	50
3	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	50
4	Octane, 5-ethyl-2-methyl-		156	C11H24	062016-18-6	49
5	Bacchotricuneatin c		342	C20H22O5	066563-30-2	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
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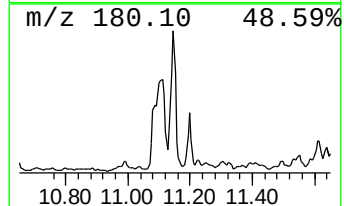
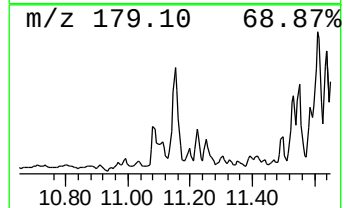
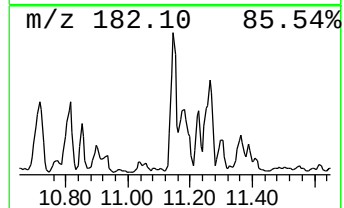
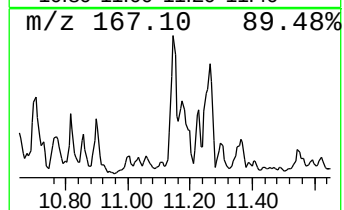
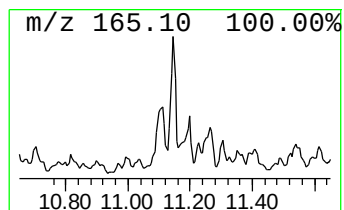
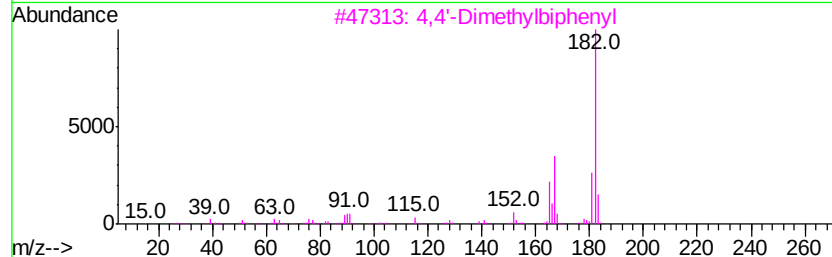
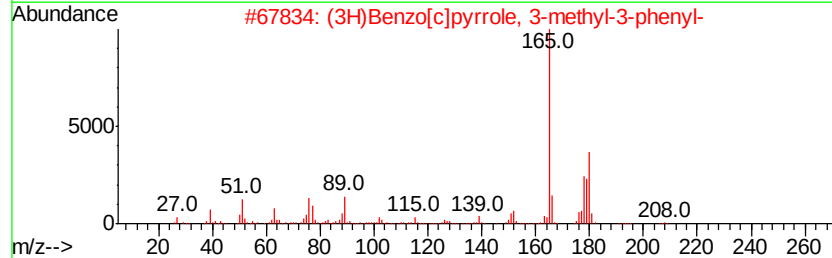
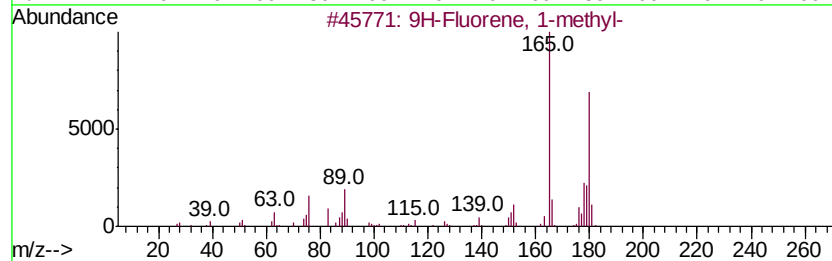
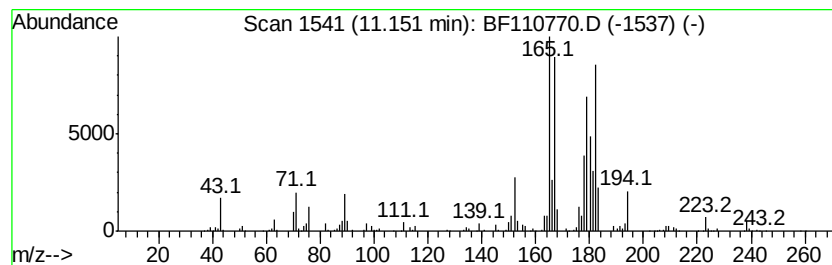
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	33.48 ng	1375580	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
2		(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	78
3		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	53
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	50
5		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
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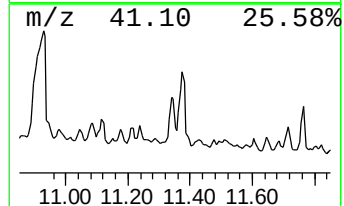
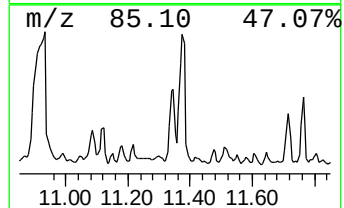
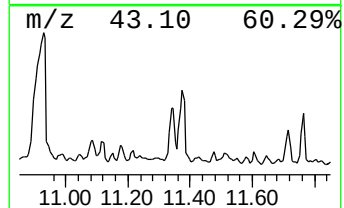
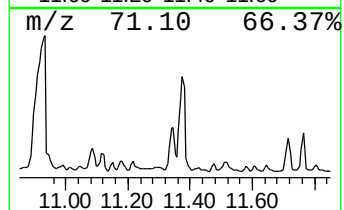
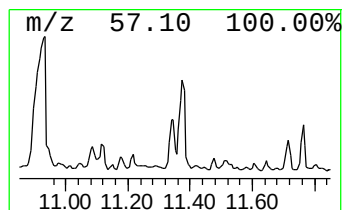
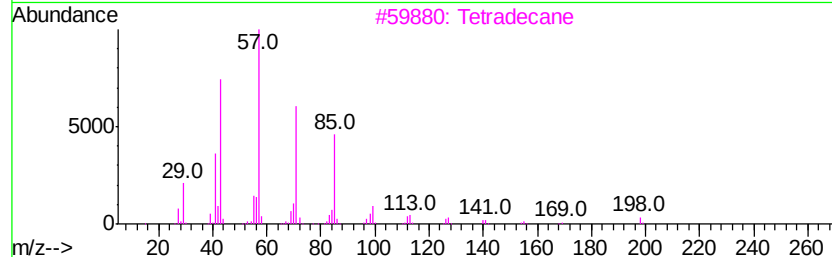
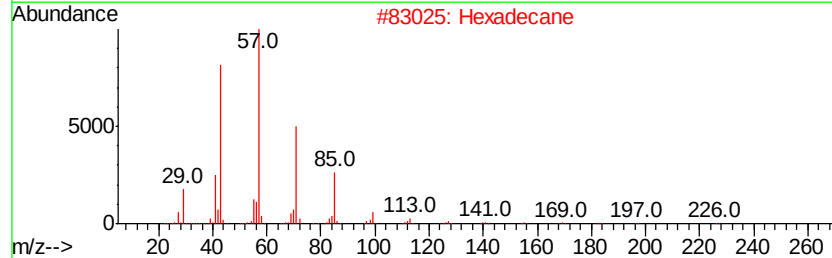
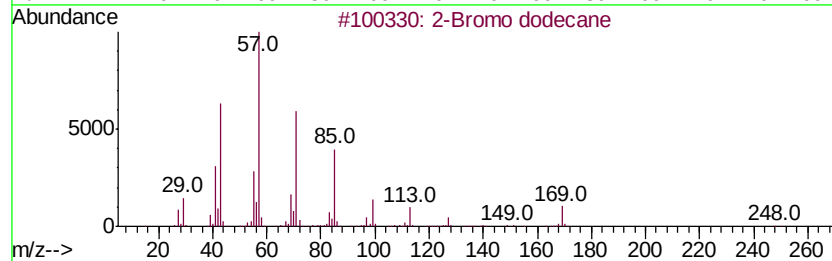
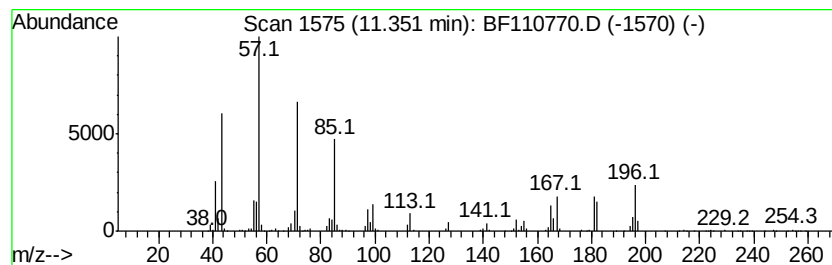
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 2-Bromo dodecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	55.29 ng	2271710	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromo dodecane	248	C12H25Br	013187-99-0	89
2		Hexadecane	226	C16H34	000544-76-3	86
3		Tetradecane	198	C14H30	000629-59-4	80
4		Undecane, 5-ethyl-5-propyl-	226	C16H34	002755-07-9	78
5		Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
Data File : BF110770.D
Acq On : 14 Nov 2018 17:55
Operator : JU/SJ
Sample : J5889-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

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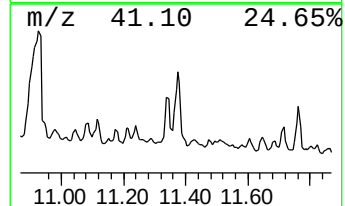
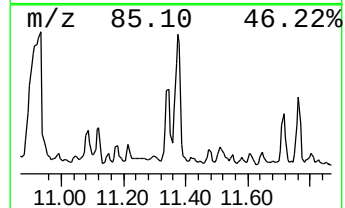
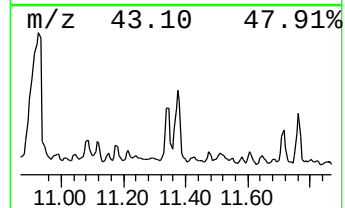
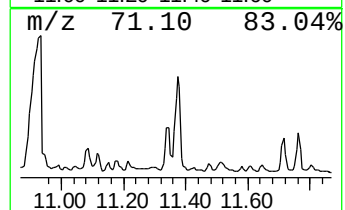
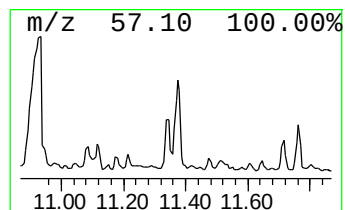
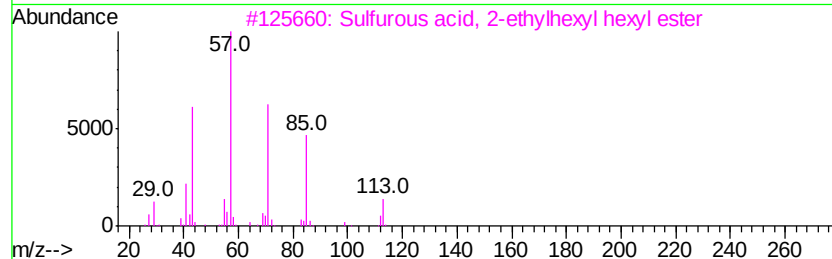
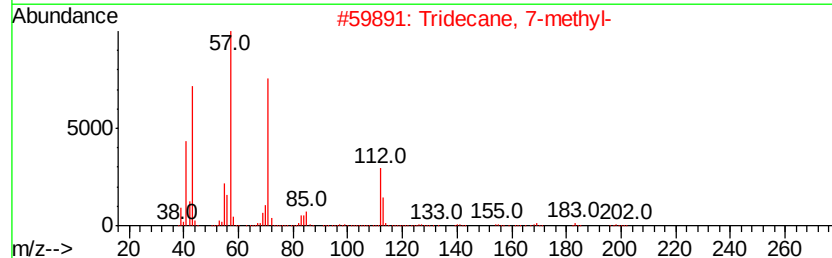
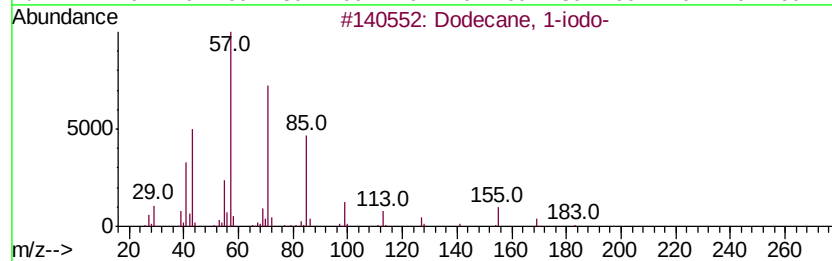
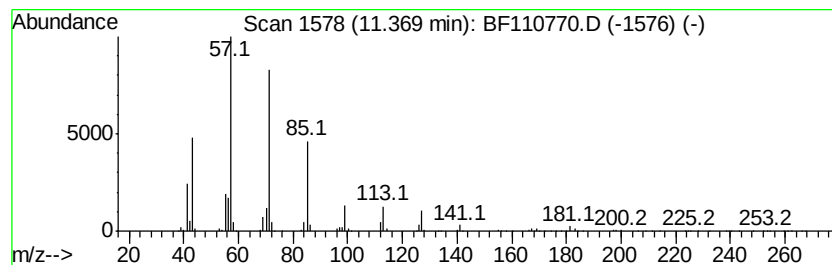
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dodecane, 1-iodo- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	173.35 ng	7122440	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
2		Tridecane, 7-methyl-	198	C14H30	026730-14-3	83
3		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
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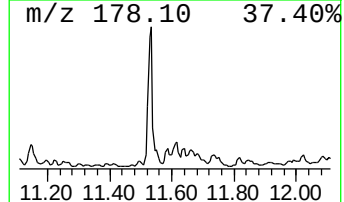
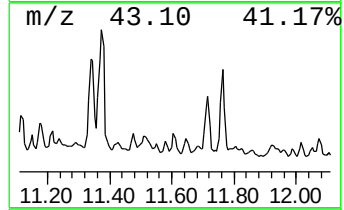
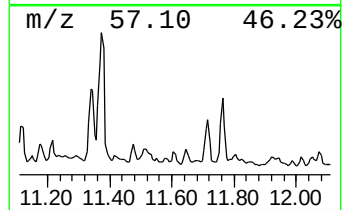
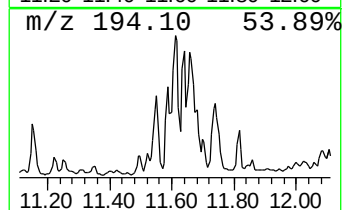
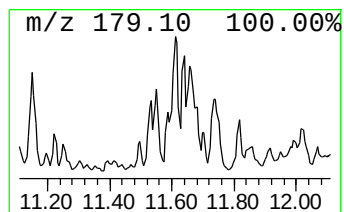
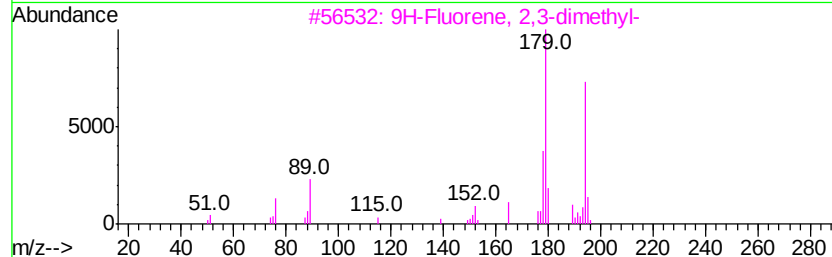
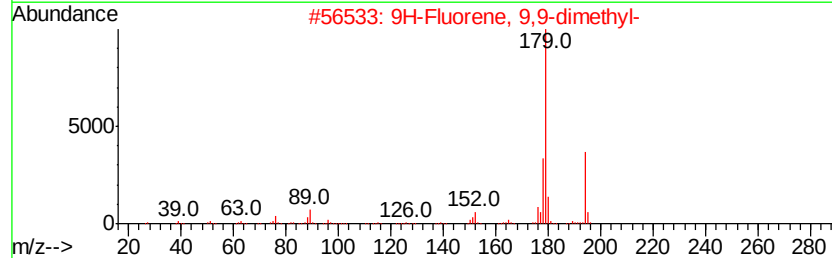
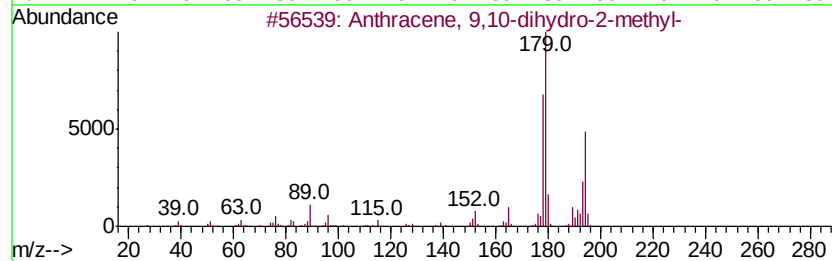
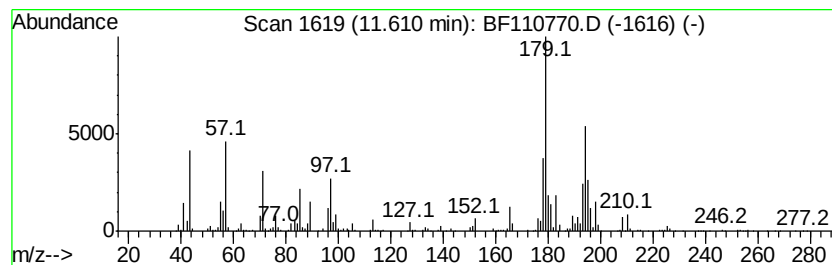
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 9,10-dihydro-2-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	29.40 ng	1208000	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	53
2		9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	49
3		9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	46
4		.alpha.-Methylstilbene	194	C15H14	000779-51-1	43
5		Benzaldehyde, 4-[(trimethylsilyl)...	194	C10H14O2Si	001012-12-0	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
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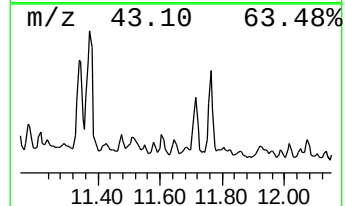
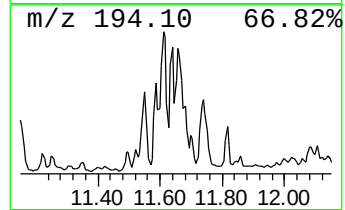
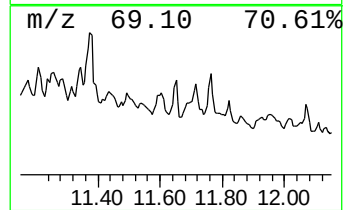
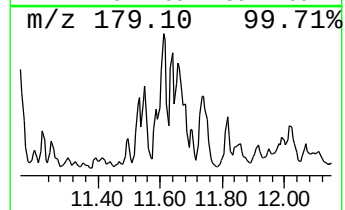
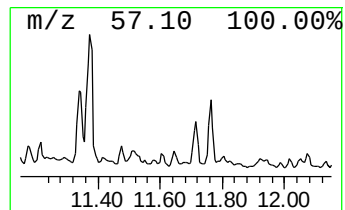
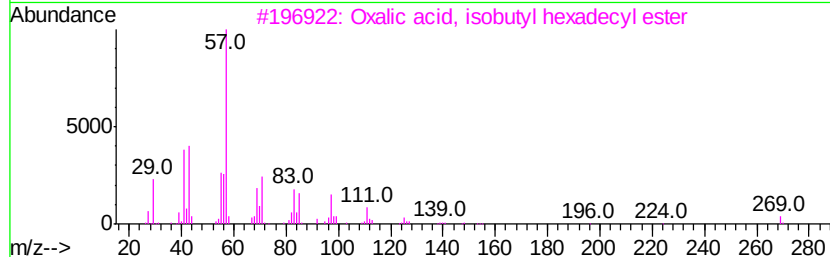
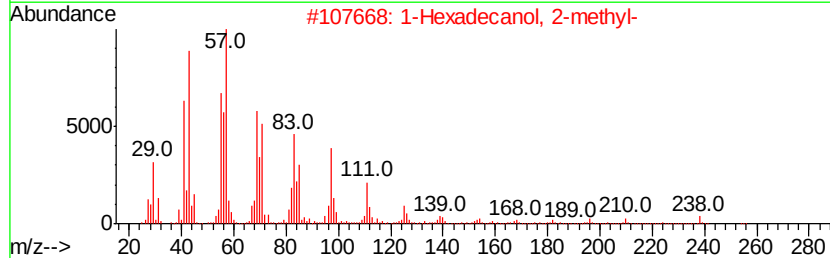
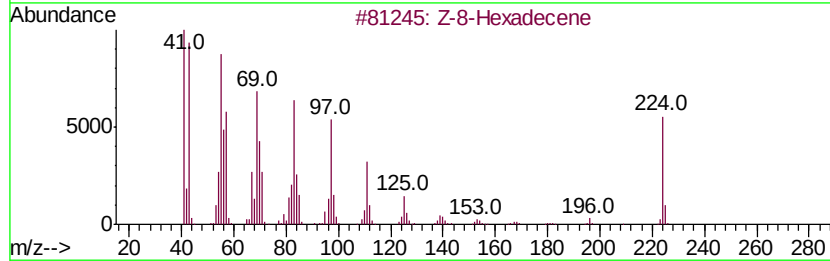
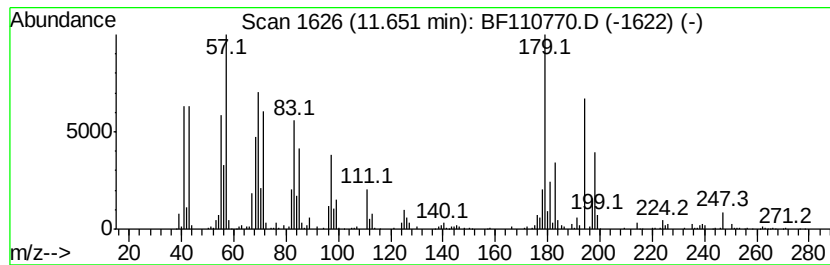
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown11.65 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.65	27.84 ng	1144050	Phenanthrene-d10	11.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-8-Hexadecene	224	C16H32	1000130-87-5	40
2	1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	30
3	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	30
4	Cyclopentane, decyl-	210	C15H30	001795-21-7	25
5	Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1000351-81-4	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
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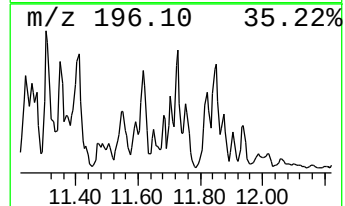
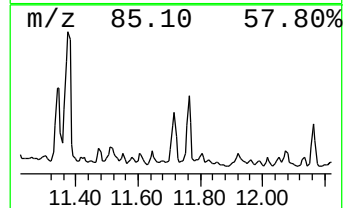
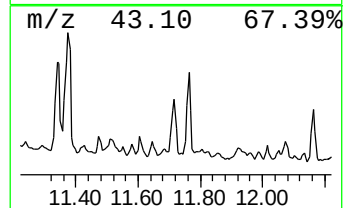
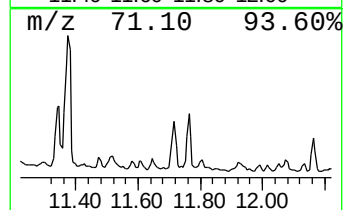
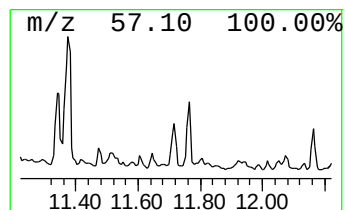
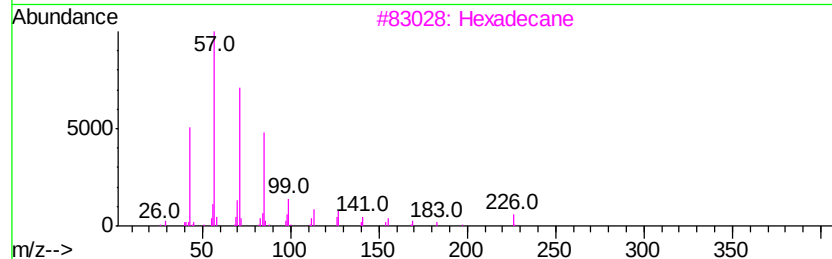
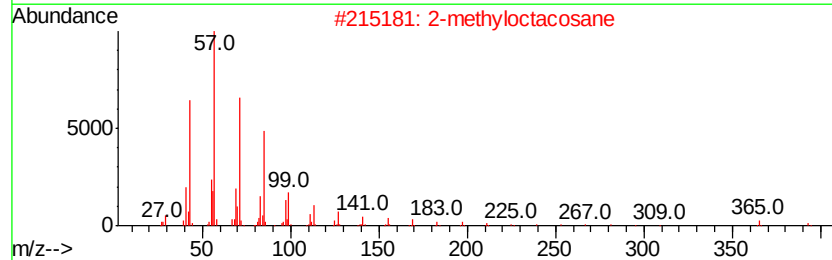
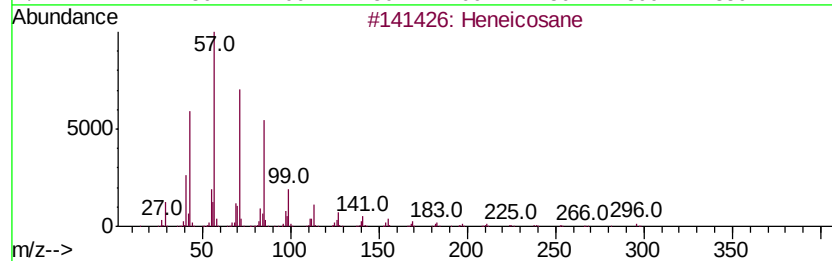
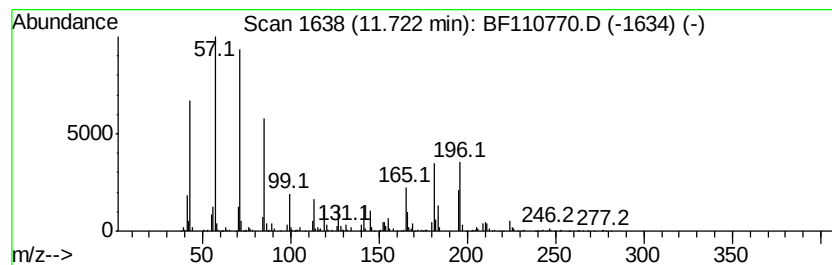
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	53.55 ng	2200310	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		2-methyloctacosane	408	C29H60	1000376-72-8	90
3		Hexadecane	226	C16H34	000544-76-3	90
4		Octacosane	394	C28H58	000630-02-4	90
5		Heptadecane	240	C17H36	000629-78-7	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
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ALS Vial : 11 Sample Multiplier: 1

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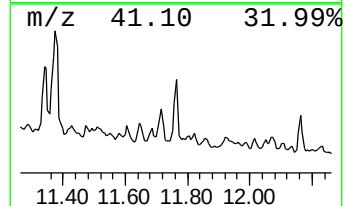
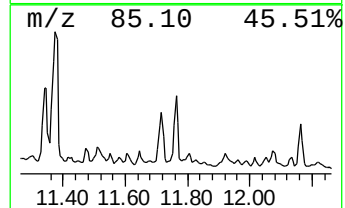
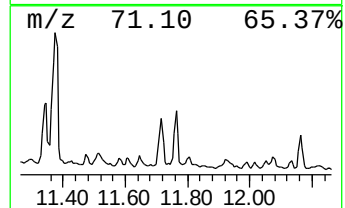
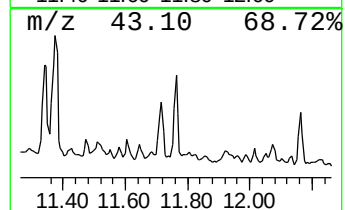
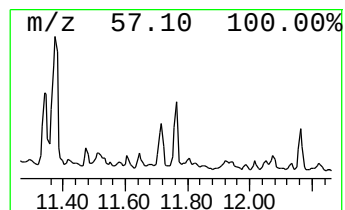
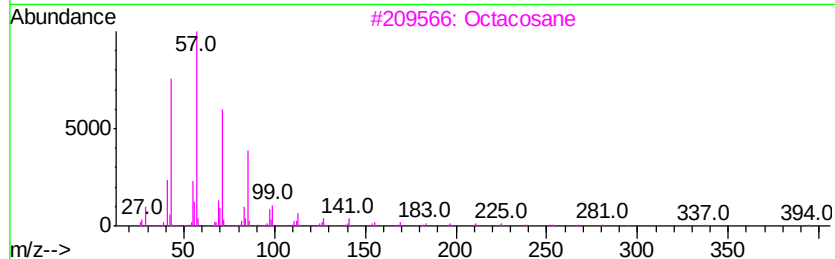
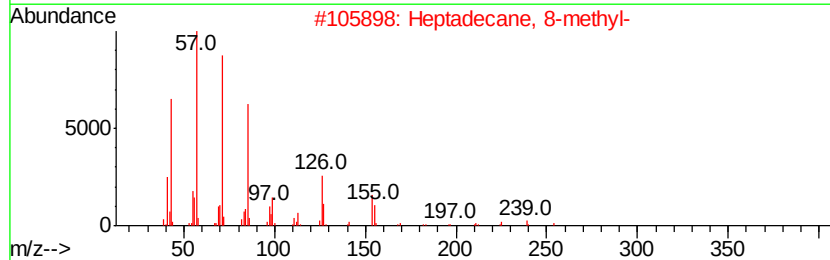
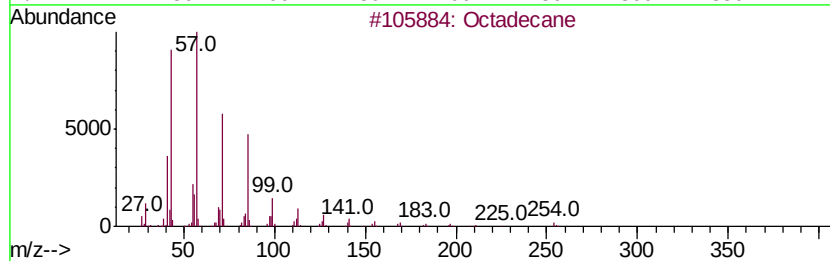
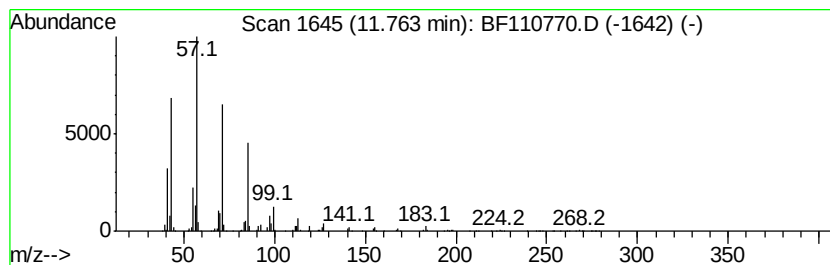
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Octadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	57.12 ng	2347030	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	94
2		Heptadecane, 8-methyl-	254	C18H38	013287-23-5	94
3		Octacosane	394	C28H58	000630-02-4	91
4		Tetradecane	198	C14H30	000629-59-4	90
5		Nonadecane	268	C19H40	000629-92-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
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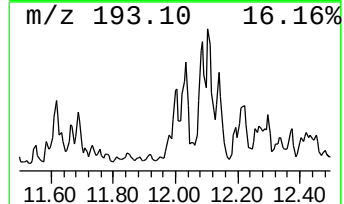
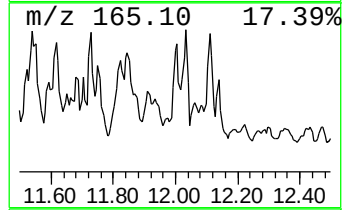
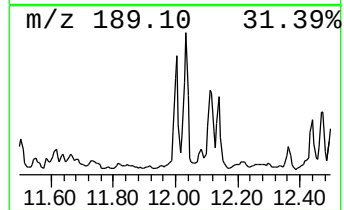
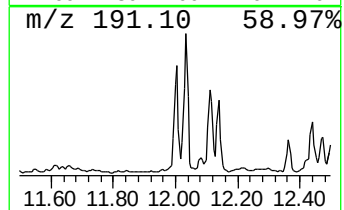
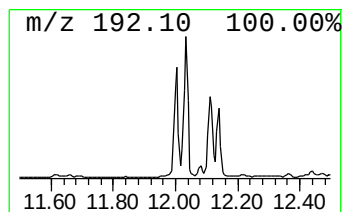
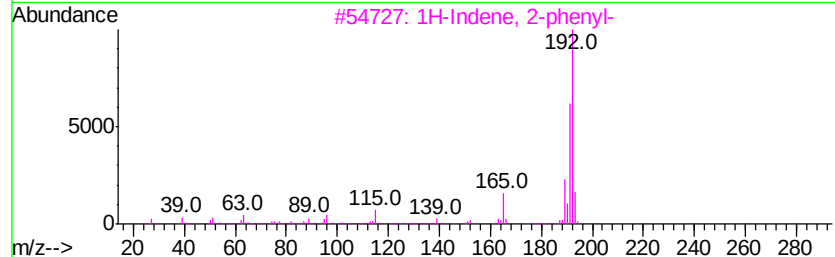
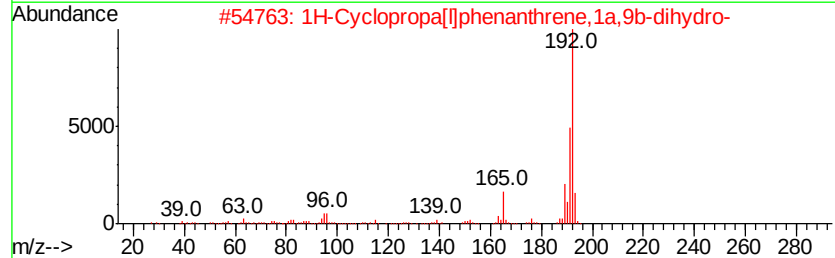
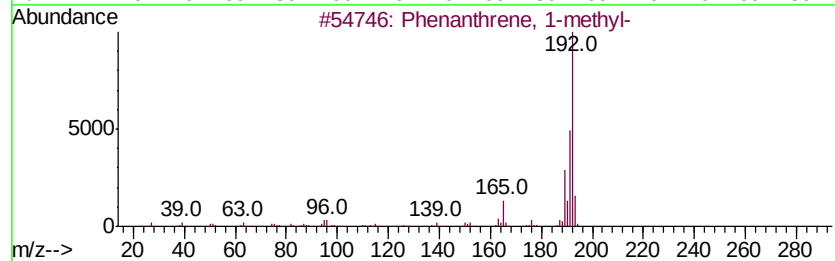
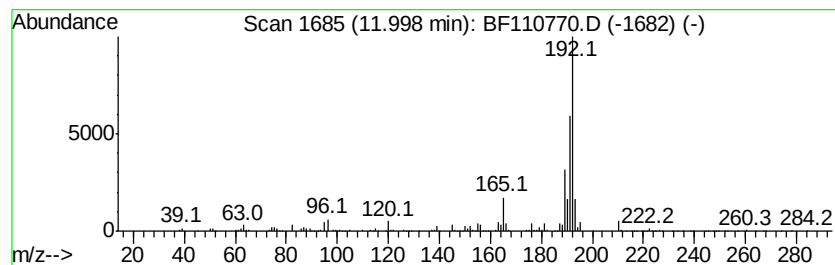
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	25.32 ng	1040460	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
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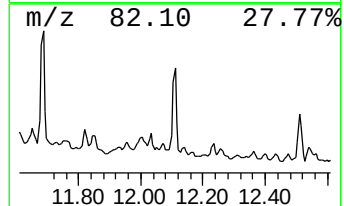
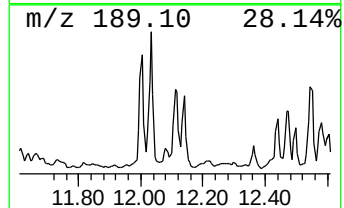
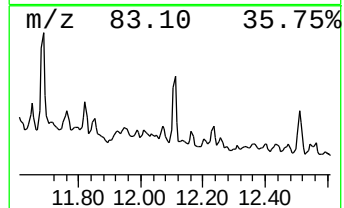
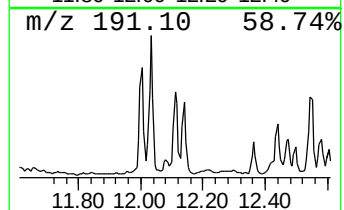
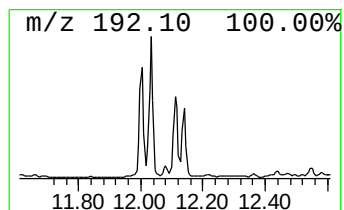
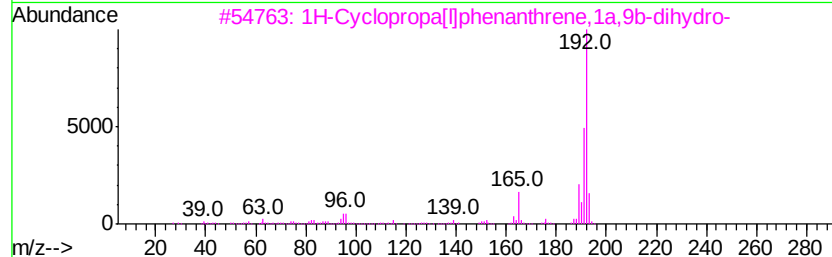
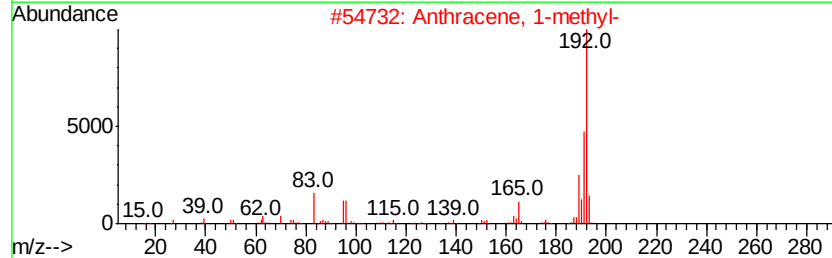
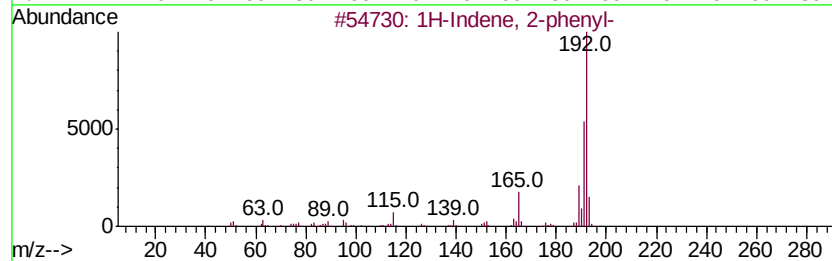
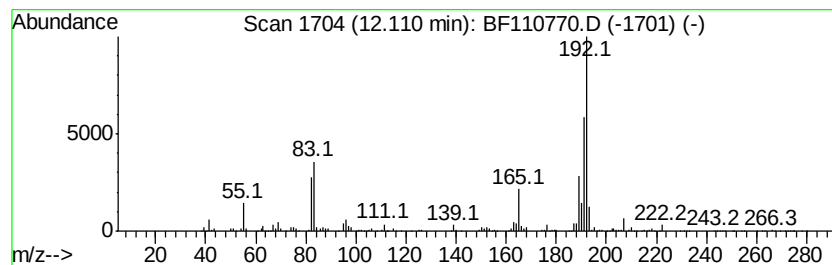
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1H-Indene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	25.50 ng	1047540	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	83
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
Data File : BF110770.D
Acq On : 14 Nov 2018 17:55
Operator : JU/SJ
Sample : J5889-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WALL-B

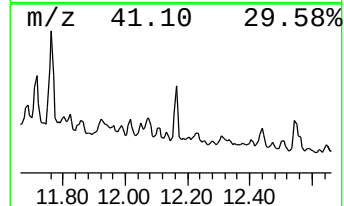
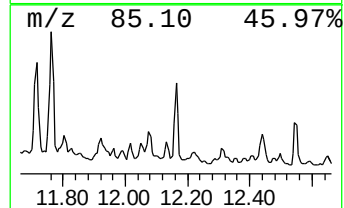
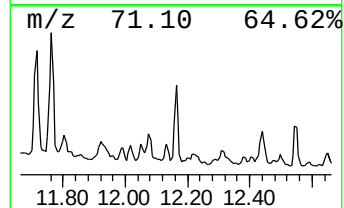
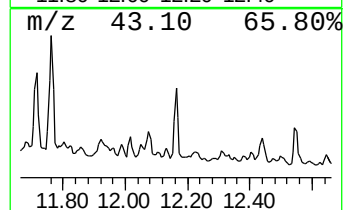
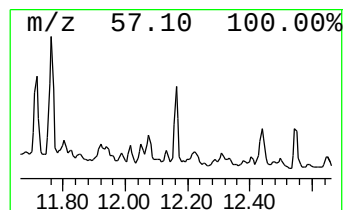
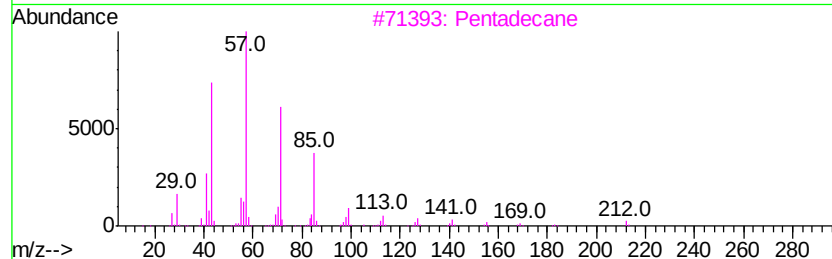
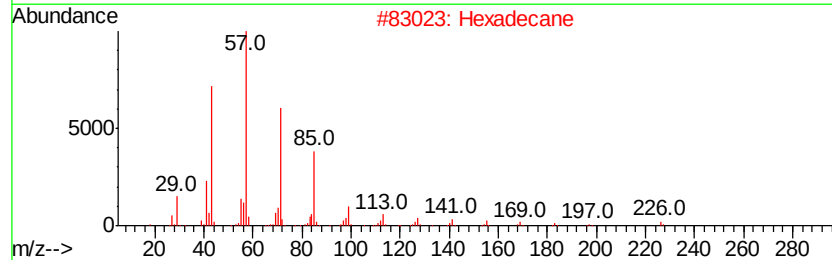
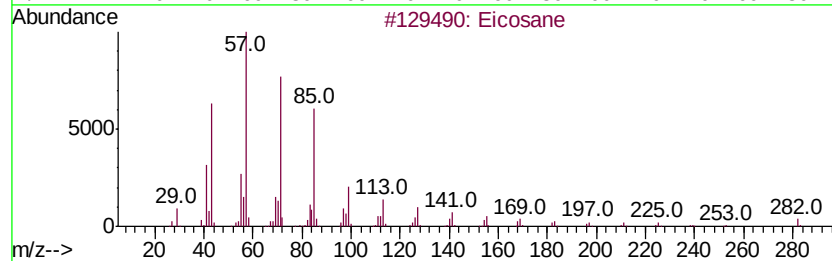
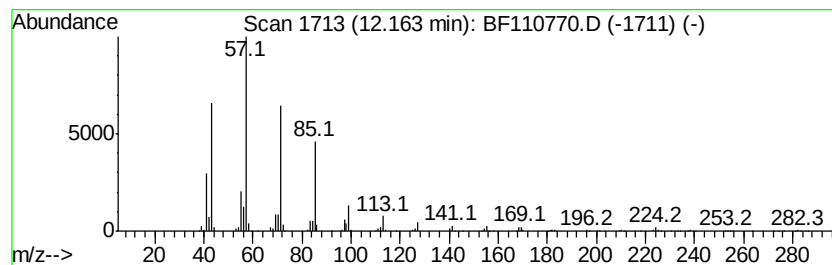
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Eicosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	23.16 ng	951687	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	97
2		Hexadecane	226	C16H34	000544-76-3	93
3		Pentadecane	212	C15H32	000629-62-9	91
4		2-Bromo dodecane	248	C12H25Br	013187-99-0	90
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
Data File : BF110770.D
Acq On : 14 Nov 2018 17:55
Operator : JU/SJ
Sample : J5889-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WALL-B

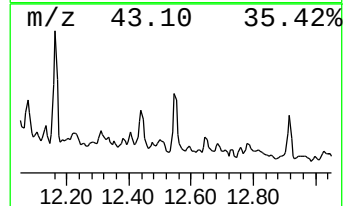
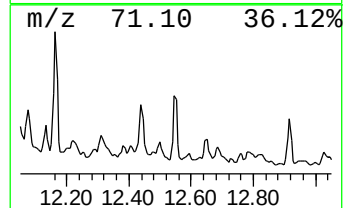
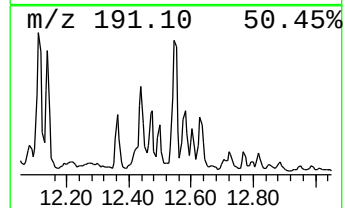
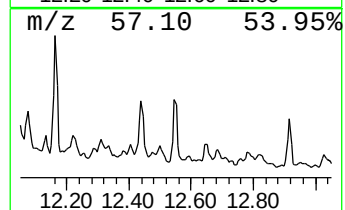
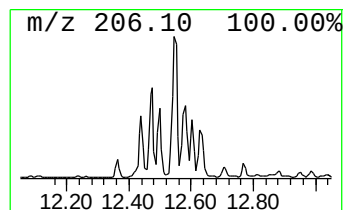
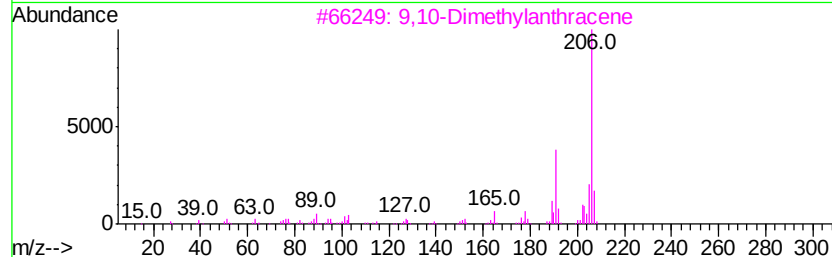
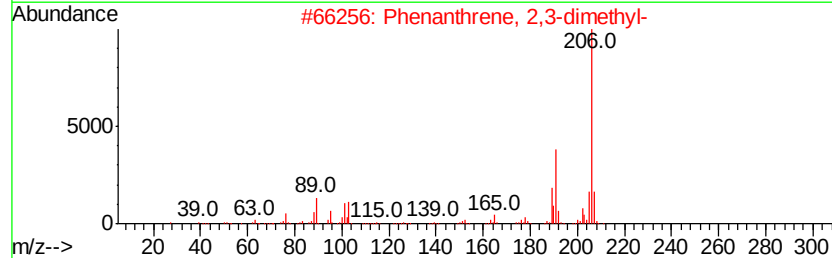
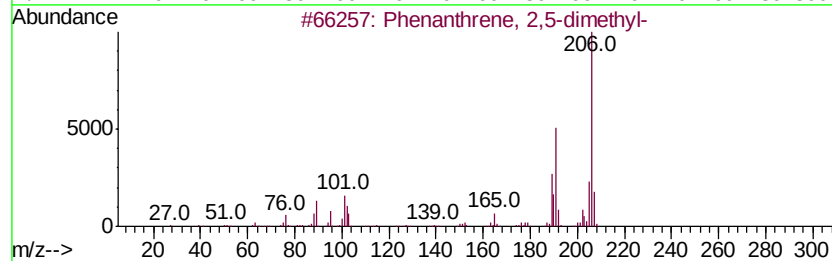
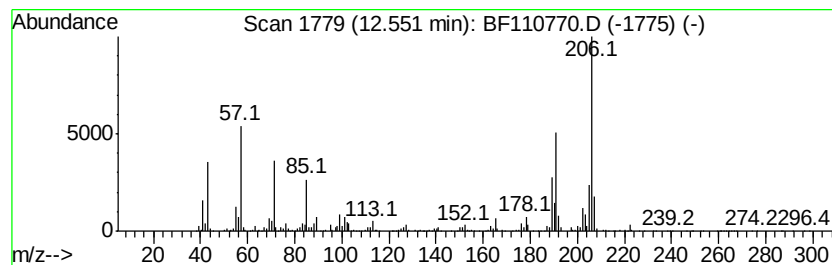
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	54.16 ng	2225130	Phenanthrene-d10	11.50

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	89
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111418\
 Data File : BF110770.D
 Acq On : 14 Nov 2018 17:55
 Operator : JU/SJ
 Sample : J5889-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WALL-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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
Benzene, 1,2,3-tr...	6.77	36.2	ng	4495160	1	6.95	2480440	20.0
1-Phenyl-1-butene	7.97	25.4	ng	3770570	2	8.24	2972030	20.0
unknown8.52	8.52	25.3	ng	3752460	2	8.24	2972030	20.0
Nonane, 2,6-dimet...	8.65	31.0	ng	4610970	2	8.24	2972030	20.0
Naphthalene, 1,4,...	10.26	27.6	ng	7149510	3	10.02	5177200	20.0
Decane, 3,6-dimet...	10.65	23.8	ng	6158110	3	10.02	5177200	20.0
Dodecane, 2,7,10-...	10.93	276.4	ng	11358300	4	11.50	821755	20.0
Heptacosane	11.09	27.1	ng	1114390	4	11.50	821755	20.0
9H-Fluorene, 1-me...	11.15	33.5	ng	1375580	4	11.50	821755	20.0
2-Bromo dodecane	11.35	55.3	ng	2271710	4	11.50	821755	20.0
Dodecane, 1-iodo-	11.37	173.3	ng	7122440	4	11.50	821755	20.0
Anthracene, 9,10-...	11.61	29.4	ng	1208000	4	11.50	821755	20.0
unknown11.65	11.65	27.8	ng	1144050	4	11.50	821755	20.0
Heneicosane	11.72	53.5	ng	2200310	4	11.50	821755	20.0
Octadecane	11.76	57.1	ng	2347030	4	11.50	821755	20.0
Phenanthrene, 1-m...	12.00	25.3	ng	1040460	4	11.50	821755	20.0
1H-Indene, 2-phenyl-	12.11	25.5	ng	1047540	4	11.50	821755	20.0
Eicosane	12.16	23.2	ng	951687	4	11.50	821755	20.0
Phenanthrene, 2,5...	12.55	54.2	ng	2225130	4	11.50	821755	20.0