

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
 Data File : BF097344.D
 Acq On : 4 Aug 2017 4:04
 Operator : SJ/JU
 Sample : I4522-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3D68

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.569	451	456	474	rVB	489857	750577	19.13%	0.919%
2	5.045	533	537	547	rBV	1854185	2122156	54.08%	2.599%
3	5.710	645	650	653	rBV	3109097	3214166	81.90%	3.936%
4	5.875	671	678	681	rBV	218432	248696	6.34%	0.305%
5	5.910	681	684	690	rVV	92777	116630	2.97%	0.143%
6	6.122	716	720	721	rVV	1865561	1917059	48.85%	2.348%
7	6.139	721	723	729	rVV2	1834042	1714163	43.68%	2.099%
8	6.222	733	737	743	rVB	2134949	2050042	52.24%	2.510%
9	6.334	753	756	759	rBV	267350	235969	6.01%	0.289%
10	6.445	772	775	778	rBV	635984	567934	14.47%	0.695%
11	6.534	786	790	793	rBV	1512686	1369519	34.90%	1.677%
12	6.575	793	797	799	rVV	1080459	987006	25.15%	1.209%
13	6.604	799	802	811	rVB	1683179	1594888	40.64%	1.953%
14	7.016	867	872	875	rBV	1281695	1299954	33.13%	1.592%
15	7.269	910	915	919	rBV	235992	271105	6.91%	0.332%
16	7.433	940	943	946	rVV	626020	617516	15.74%	0.756%
17	7.469	946	949	955	rVV	669338	671426	17.11%	0.822%
18	7.563	958	965	969	rVV5	135066	270258	6.89%	0.331%
19	7.639	975	978	982	rVV	240618	254020	6.47%	0.311%
20	7.728	990	993	995	rVV	925316	936515	23.86%	1.147%
21	7.769	995	1000	1002	rVV2	1592364	1976327	50.36%	2.420%
22	7.786	1002	1003	1010	rVV2	797224	763764	19.46%	0.935%
23	7.863	1013	1016	1021	rVV2	161506	169486	4.32%	0.208%
24	7.916	1021	1025	1027	rVV2	121407	161557	4.12%	0.198%
25	7.939	1027	1029	1033	rVB	324776	253255	6.45%	0.310%
26	8.110	1055	1058	1063	rVB3	87241	103316	2.63%	0.127%
27	8.304	1088	1091	1094	rBV	477173	406219	10.35%	0.497%
28	8.351	1095	1099	1104	rVB3	212080	231891	5.91%	0.284%
29	8.439	1111	1114	1117	rVB	276705	218919	5.58%	0.268%
30	8.480	1117	1121	1124	rBV	88306	103148	2.63%	0.126%
31	8.533	1128	1130	1133	rBV	129194	106480	2.71%	0.130%
32	8.651	1146	1150	1157	rVB6	85355	174855	4.46%	0.214%
33	8.751	1162	1167	1169	rBV	418077	353100	9.00%	0.432%
34	8.804	1172	1176	1179	rVB	1603339	1318142	33.59%	1.614%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.904	1190	1193	1200	rVB	231318	228761	5.83%	0.280%
36	8.986	1204	1207	1212	rVB2	282766	252092	6.42%	0.309%
37	9.110	1223	1228	1231	rBV	2739127	2522841	64.29%	3.089%
38	9.204	1241	1244	1246	rBV	284453	260182	6.63%	0.319%
39	9.345	1263	1268	1271	rVB2	893466	846013	21.56%	1.036%
40	9.469	1284	1289	1292	rBV	800590	782210	19.93%	0.958%
41	9.504	1292	1295	1296	rVV	528849	434686	11.08%	0.532%
42	9.522	1296	1298	1301	rVB	299980	240580	6.13%	0.295%
43	9.574	1304	1307	1310	rBV2	211493	181670	4.63%	0.222%
44	9.674	1321	1324	1327	rVV	278421	233560	5.95%	0.286%
45	9.710	1327	1330	1334	rVB2	228928	225181	5.74%	0.276%
46	9.757	1334	1338	1342	rBV3	157356	180002	4.59%	0.220%
47	10.016	1378	1382	1385	rBV	423731	371996	9.48%	0.456%
48	10.257	1419	1423	1427	rBV	940394	852747	21.73%	1.044%
49	10.392	1442	1446	1453	rVB2	94250	166933	4.25%	0.204%
50	10.474	1455	1460	1465	rBV2	311497	312636	7.97%	0.383%
51	10.533	1467	1470	1473	rBV	283165	267042	6.80%	0.327%
52	10.757	1505	1508	1512	rVB	257426	229297	5.84%	0.281%
53	10.839	1519	1522	1525	rVB	181484	144175	3.67%	0.177%
54	10.945	1535	1540	1541	rBV	577698	589843	15.03%	0.722%
55	10.969	1541	1544	1547	rVV	1958027	2014090	51.32%	2.466%
56	11.021	1547	1553	1556	rVB	833485	773629	19.71%	0.947%
57	11.057	1556	1559	1563	rBV	171833	170667	4.35%	0.209%
58	11.180	1574	1580	1584	rBV2	431322	461837	11.77%	0.566%
59	11.445	1621	1625	1627	rBV	312295	299498	7.63%	0.367%
60	11.474	1627	1630	1633	rBV	325537	285604	7.28%	0.350%
61	11.516	1633	1637	1641	rBV2	288106	435886	11.11%	0.534%
62	11.551	1641	1643	1646	rBV	440530	468611	11.94%	0.574%
63	11.645	1656	1659	1661	rBV2	139048	143493	3.66%	0.176%
64	11.686	1663	1666	1670	rVB4	708967	861093	21.94%	1.054%
65	11.727	1670	1673	1674	rBV3	241349	224014	5.71%	0.274%
66	11.774	1679	1681	1682	rBV	164126	118745	3.03%	0.145%
67	11.798	1682	1685	1687	rBV	616727	579170	14.76%	0.709%
68	11.857	1692	1695	1697	rBV3	154275	165398	4.21%	0.203%
69	11.898	1697	1702	1705	rVB	2746964	3606225	91.90%	4.416%
70	11.974	1712	1715	1717	rBV	191641	184525	4.70%	0.226%
71	12.015	1720	1722	1724	rVV2	255318	236299	6.02%	0.289%

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72	12.039	1724	1726	1731	rVB4	679014	680065	17.33%	0.833%
73	12.092	1731	1735	1737	rBV2	201764	287114	7.32%	0.352%
74	12.163	1742	1747	1748	rBV	1993333	2346989	59.81%	2.874%
75	12.180	1748	1750	1751	rVV	812292	727609	18.54%	0.891%
76	12.210	1751	1755	1760	rVV2	2389311	3924280	100.00%	4.805%
77	12.257	1760	1763	1766	rVV	2466462	2703376	68.89%	3.310%
78	12.386	1780	1785	1788	rBV2	1764314	2815503	71.75%	3.448%
79	12.498	1800	1804	1807	rBV3	533449	642939	16.38%	0.787%
80	12.533	1807	1810	1814	rVV3	1717748	2045090	52.11%	2.504%
81	12.598	1817	1821	1829	rVV4	737542	1024318	26.10%	1.254%
82	12.680	1829	1835	1838	rVV	2436153	3724454	94.91%	4.561%
83	12.721	1838	1842	1846	rVV2	369426	589457	15.02%	0.722%
84	12.780	1849	1852	1854	rVV	416005	398843	10.16%	0.488%
85	12.810	1854	1857	1859	rVV3	758020	828071	21.10%	1.014%
86	12.833	1859	1861	1864	rVB3	381011	346658	8.83%	0.424%
87	12.939	1876	1879	1885	rVB4	359657	474328	12.09%	0.581%
88	13.174	1916	1919	1925	rBV2	761304	790731	20.15%	0.968%
89	13.221	1925	1927	1932	rBV2	165485	211332	5.39%	0.259%
90	13.451	1959	1966	1977	rVB3	1774707	3501973	89.24%	4.288%
91	13.574	1983	1987	1990	rBV2	878943	1308011	33.33%	1.602%
92	13.610	1991	1993	1996	rVB	770795	621683	15.84%	0.761%
93	14.080	2070	2073	2077	rBV	561324	557577	14.21%	0.683%
94	14.574	2153	2157	2166	rVB	630640	1153977	29.41%	1.413%
95	14.821	2197	2199	2203	rVB	299129	283470	7.22%	0.347%
96	14.874	2205	2208	2213	rVB	518021	586969	14.96%	0.719%
97	14.927	2214	2217	2219	rBV	181244	197419	5.03%	0.242%
98	16.133	2417	2422	2428	rVB	302808	508796	12.97%	0.623%
99	16.445	2471	2475	2479	rVB	154032	247124	6.30%	0.303%
100	16.568	2492	2496	2497	rBV3	171177	233629	5.95%	0.286%

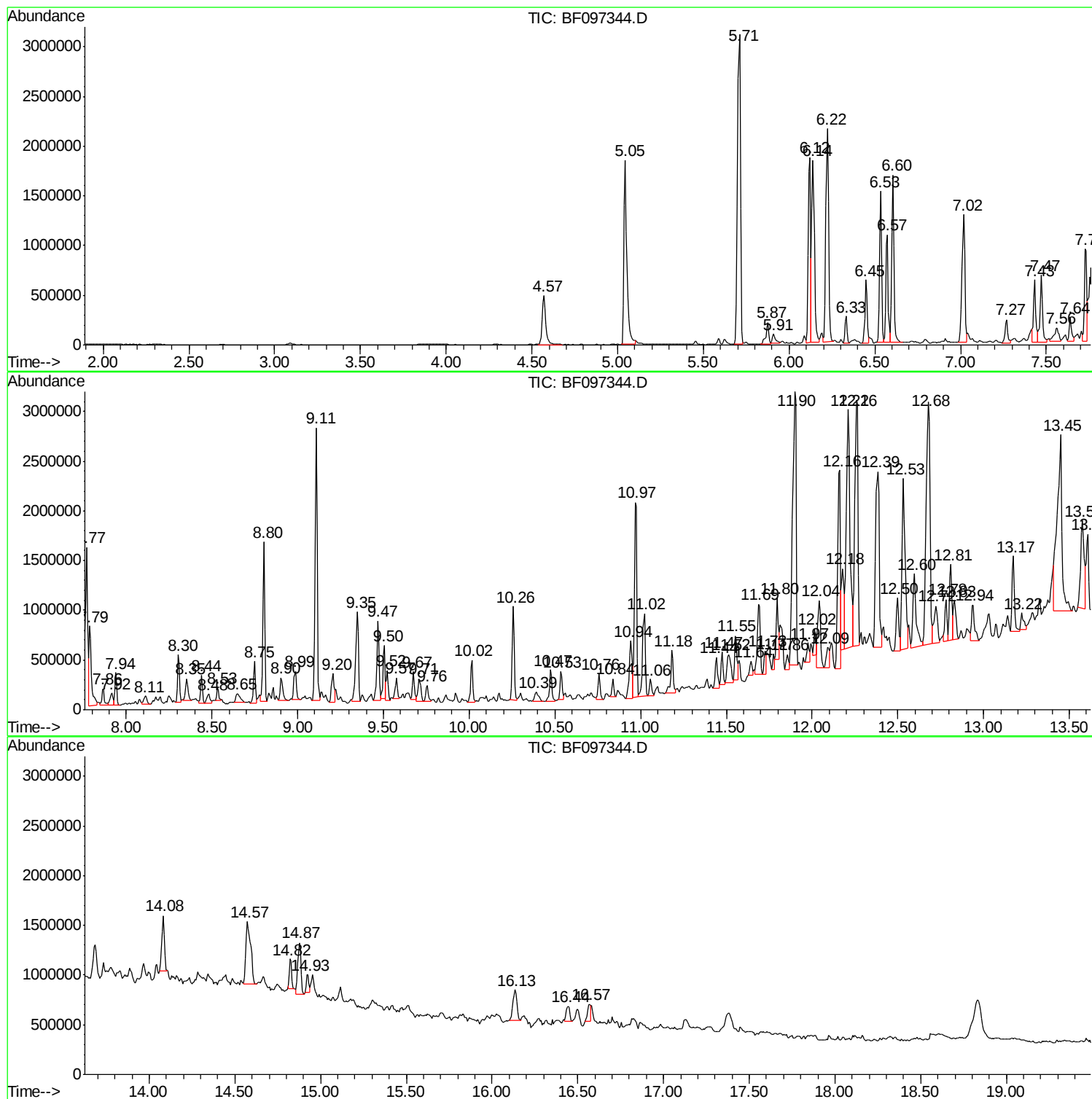
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Instrument :
BNA_F
ClientSampled :
TP-3D68

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.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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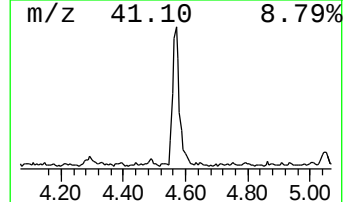
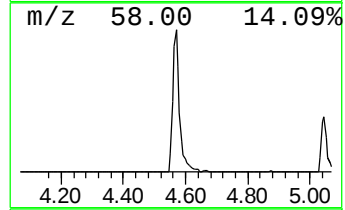
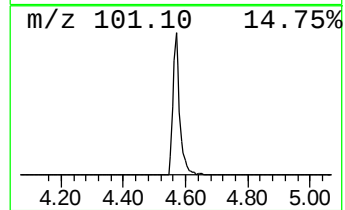
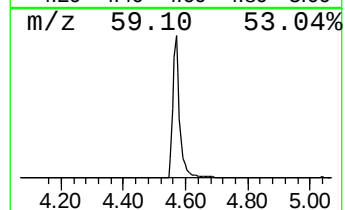
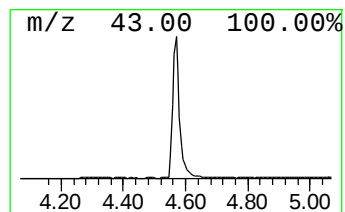
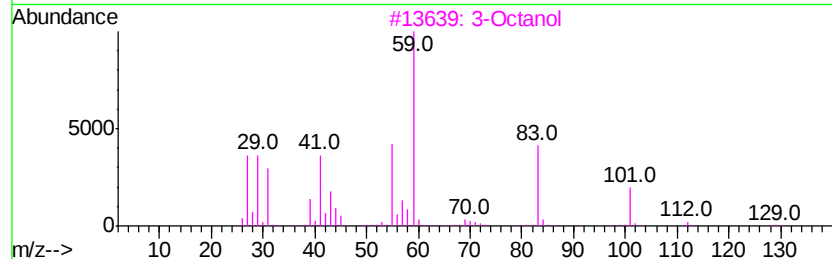
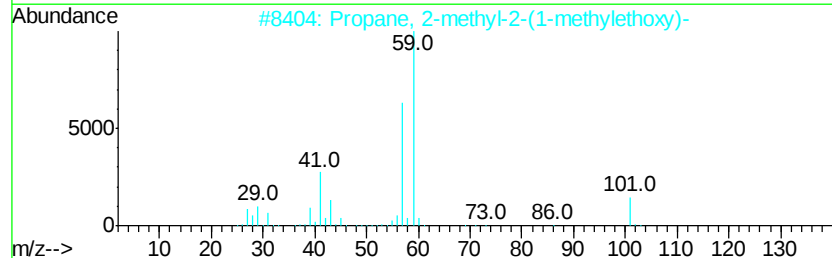
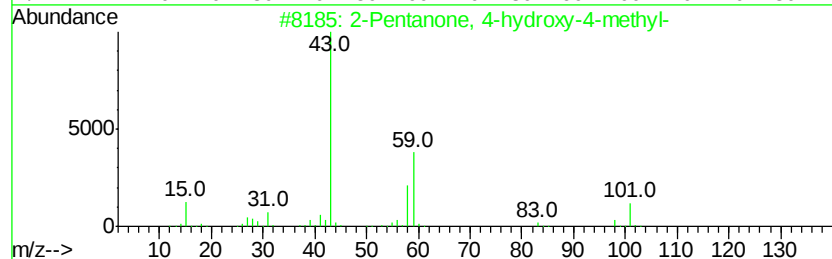
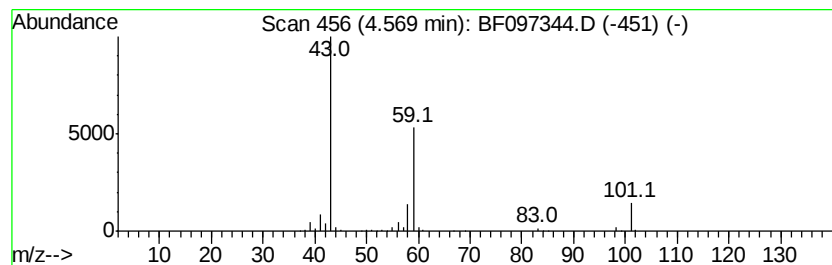
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	26.43 ng	750577	1,4-Dichlorobenzene-d4	6.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3			3-Octanol	130	C8H18O	000589-98-0	33
4			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25



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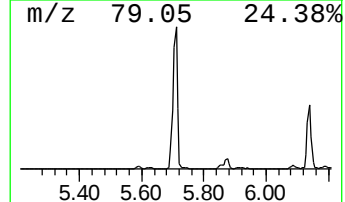
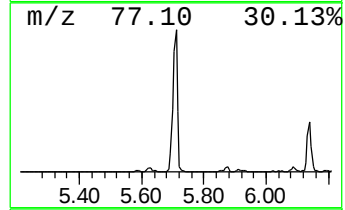
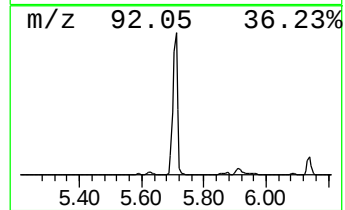
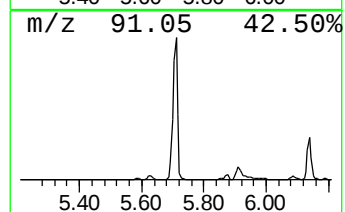
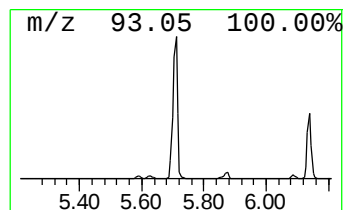
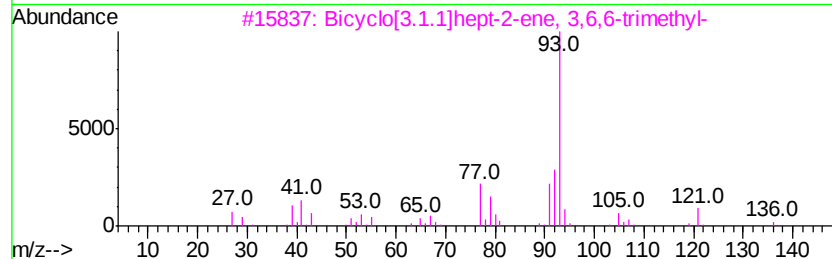
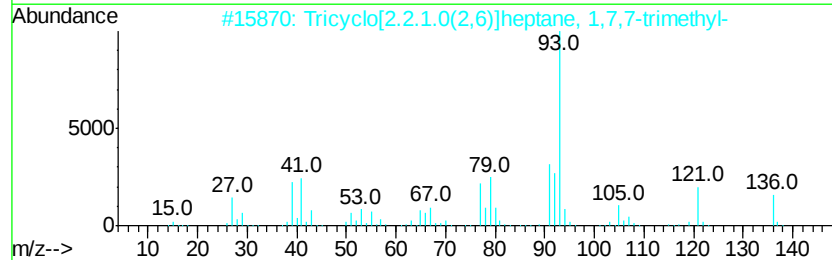
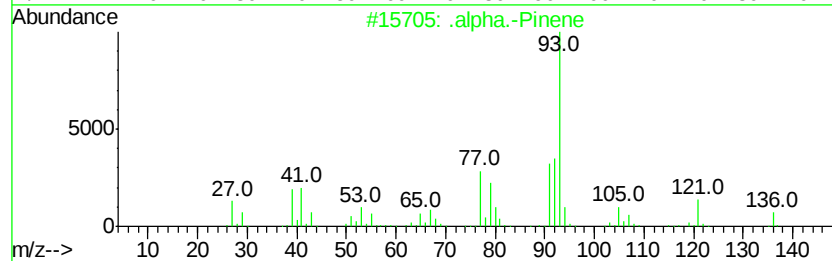
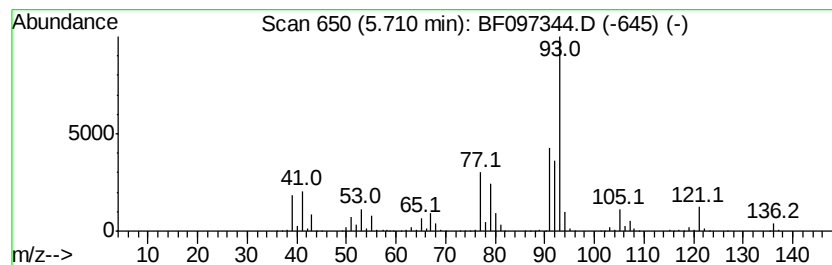
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 .alpha.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.71	113.19 ng	3214170	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.alpha.-Pinene	136	C10H16	000080-56-8	94
2		Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
3		Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
4		(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	91
5		(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90



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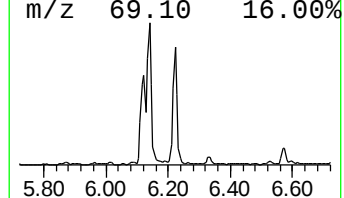
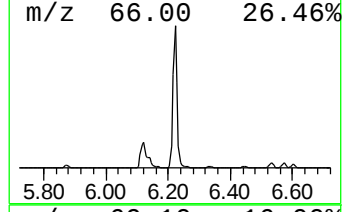
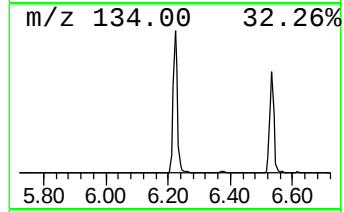
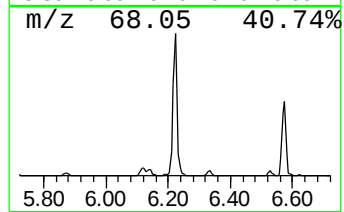
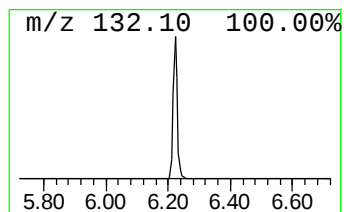
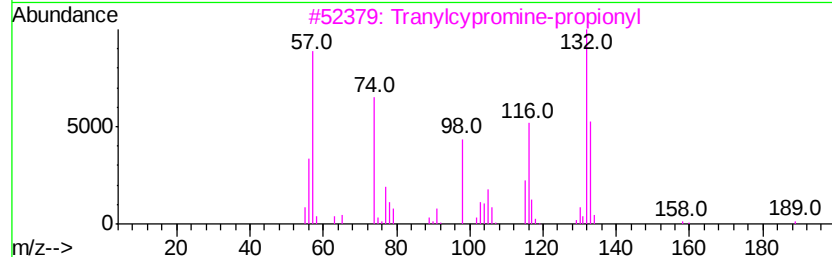
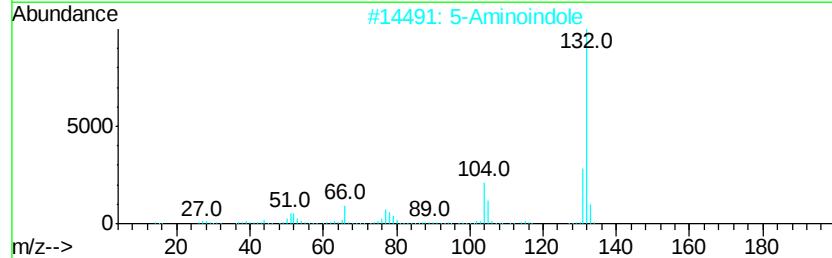
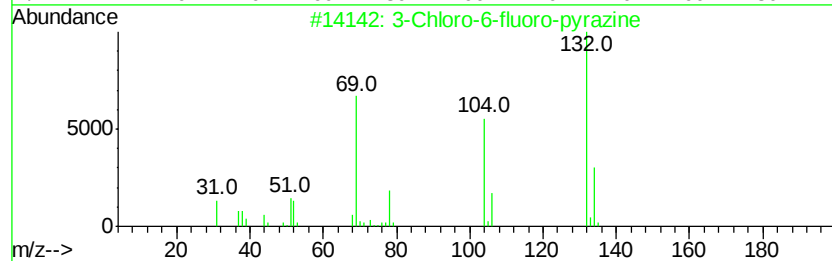
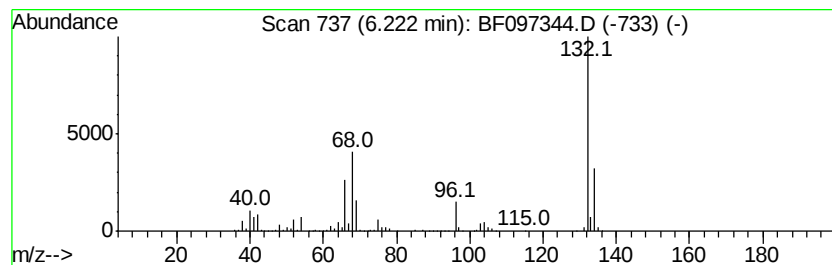
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.22 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	72.19 ng	2050040	1,4-Dichlorobenzene-d4	6.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine			132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole			132	C8H8N2	005192-03-0	12
3	Tranvlcvpromine-propionyl			189	C12H15NO	1000123-86-3	10
4	5-Fluoro-2-chloropyrimidine			132	C4H2ClFN2	062802-42-0	9
5	2H-Cyclopenta[d]pyridazine, 2-me...			132	C8H8N2	022291-85-6	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
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Acq On : 4 Aug 2017 4:04
Operator : SJ/JU
Sample : I4522-02
Misc :
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ClientSampleId :
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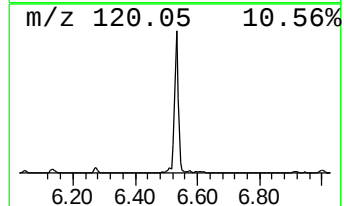
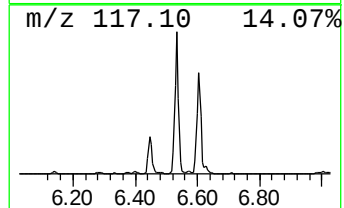
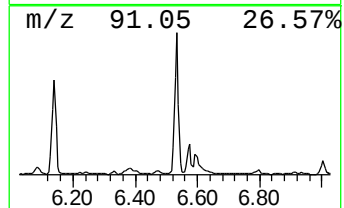
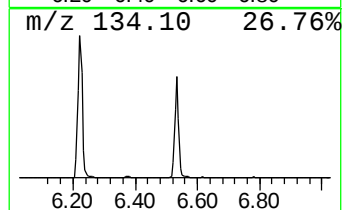
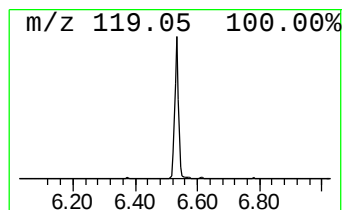
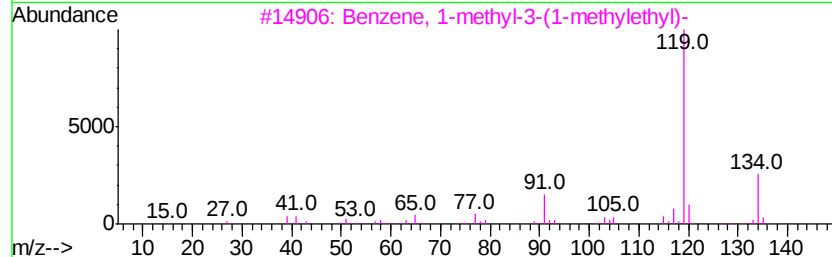
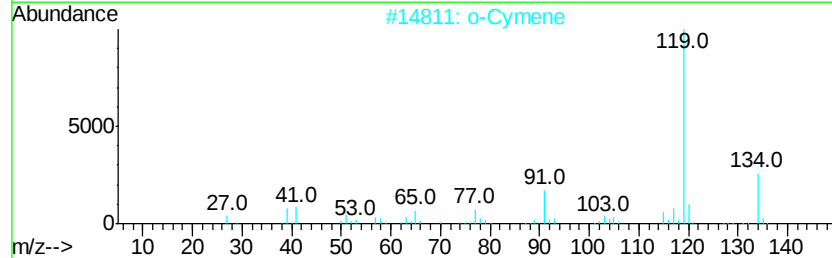
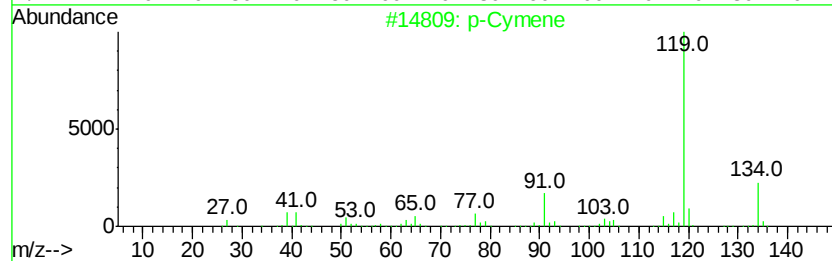
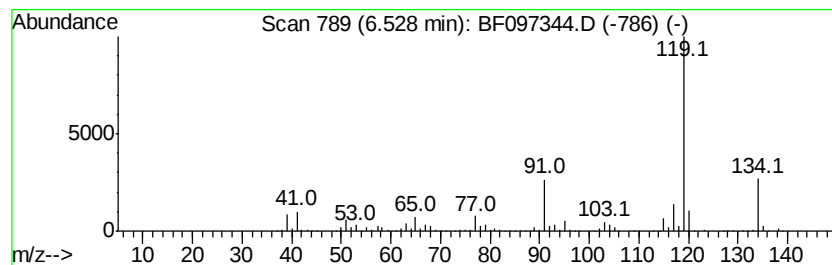
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 p-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	48.23 ng	1369520	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	94
2		o-Cymene	134	C10H14	000527-84-4	94
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	91
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



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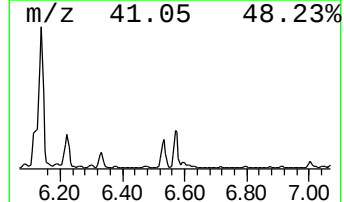
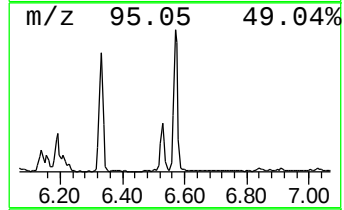
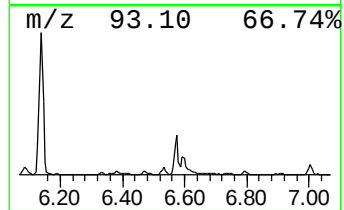
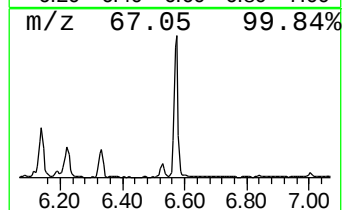
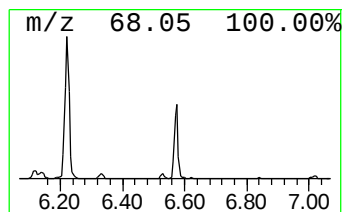
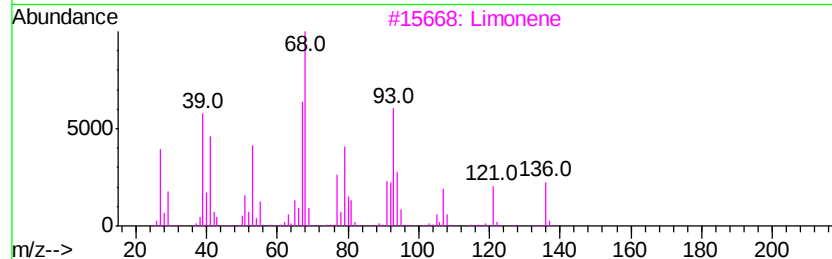
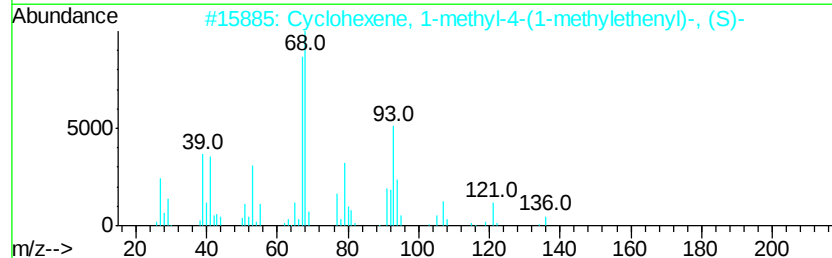
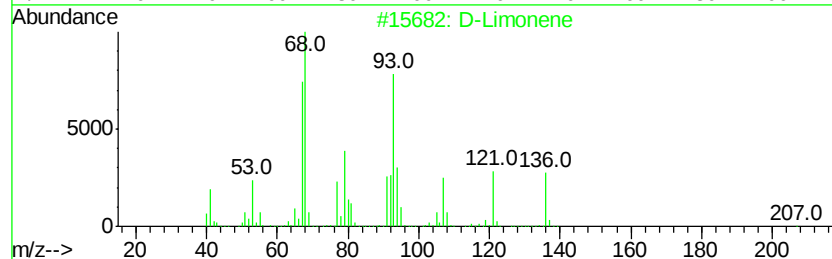
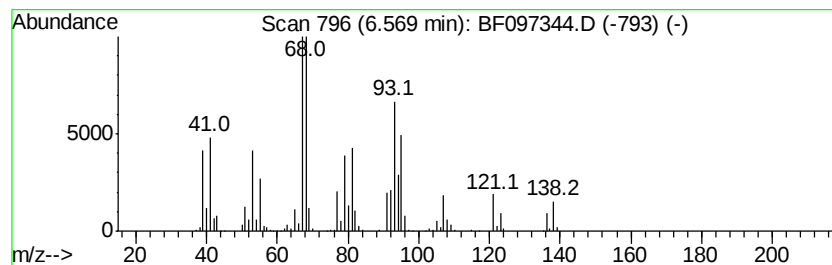
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 D-Limonene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	34.76 ng	987006	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	D-Limonene	136	C10H16	005989-27-5	95
2		Cyclohexene, 1-methyl-4-(1-methyl-4-ethenyl)-1,4-dimethyl-	136	C10H16	005989-54-8	93
3		Limonene	136	C10H16	000138-86-3	74
4		Cyclohexene, 4-ethenyl-1,4-dimethyl-	136	C10H16	001743-61-9	64
5		Bicyclopentylidene	136	C10H16	016189-35-8	49



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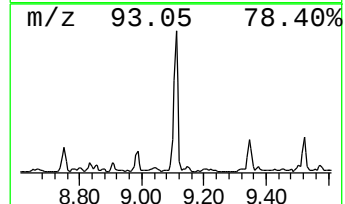
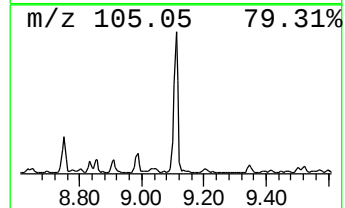
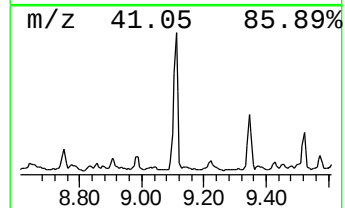
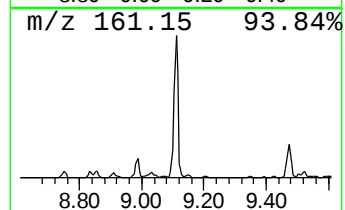
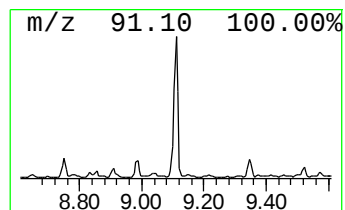
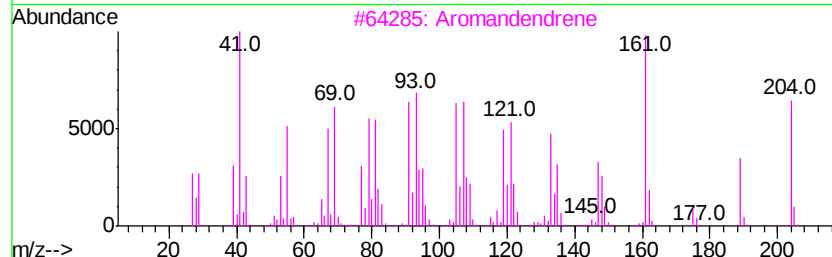
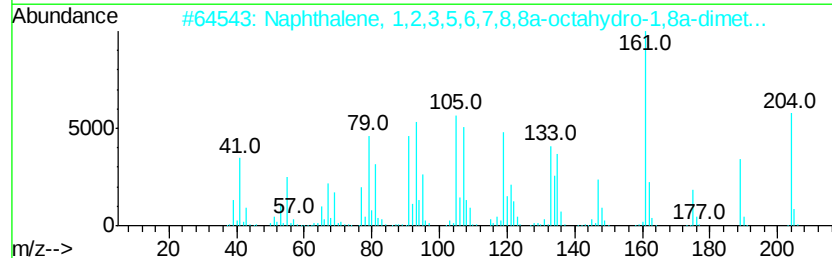
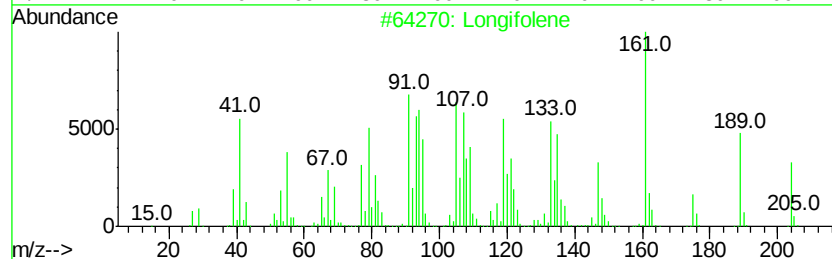
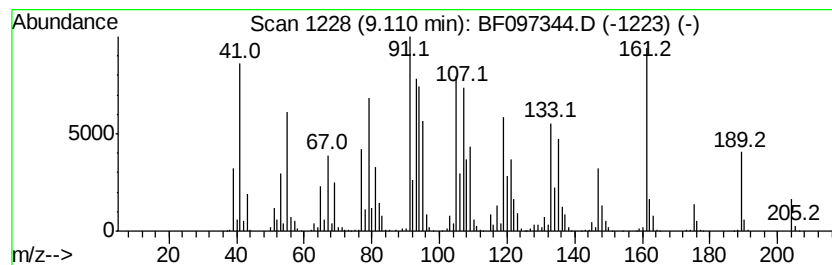
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Longifolene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	64.51 ng	2522840	Acenaphthene-d10	9.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Longifolene	204	C15H24	000475-20-7	99
2		Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	92
3		Aromandendrene	204	C15H24	000489-39-4	86
4		.beta.-Neoclovene	204	C15H24	056684-96-9	83
5		Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	010219-75-7	64



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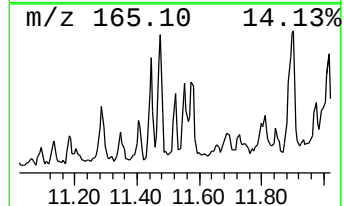
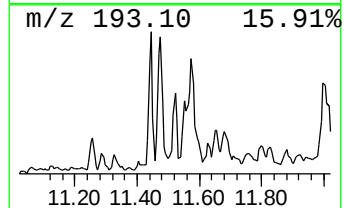
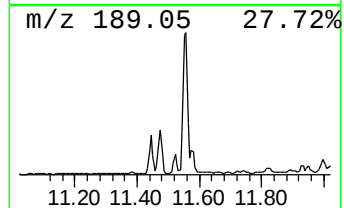
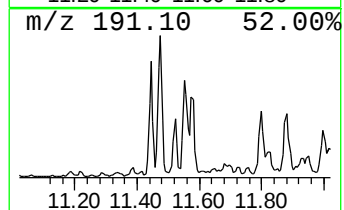
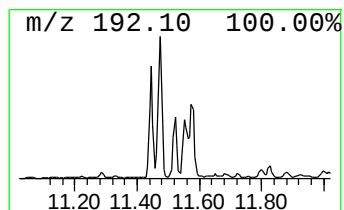
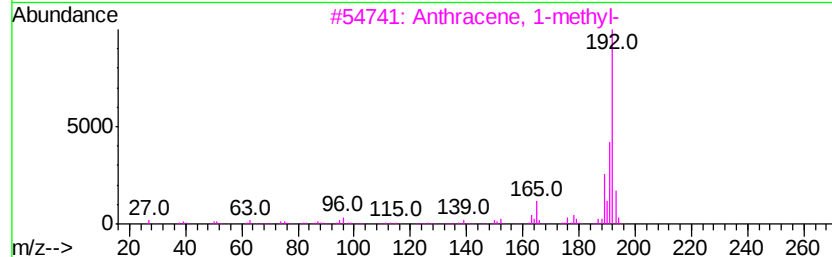
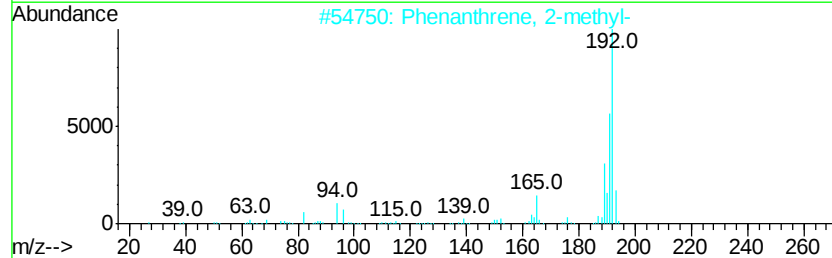
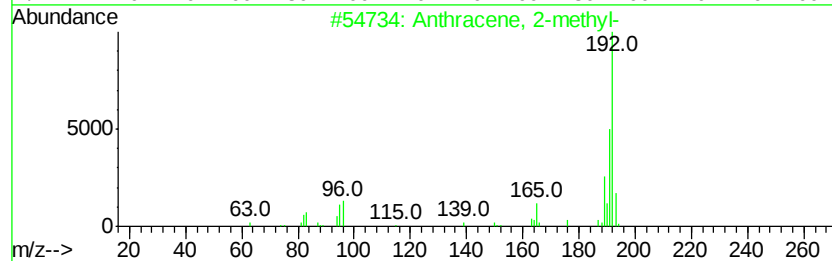
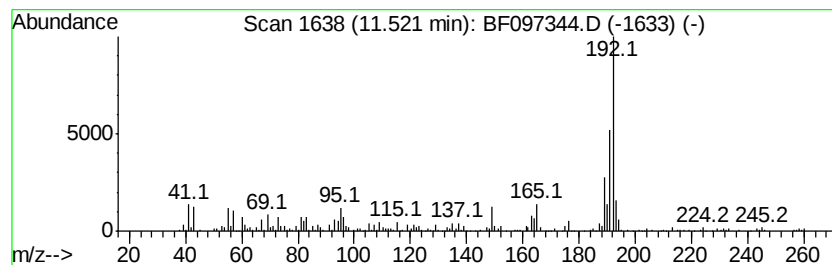
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	14.78 ng	435886	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097344.D
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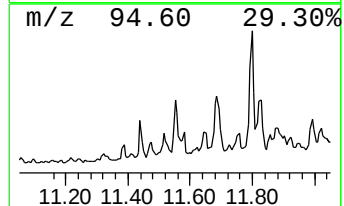
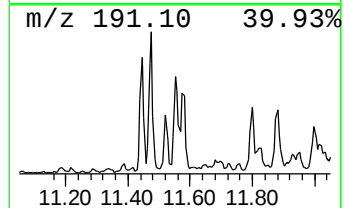
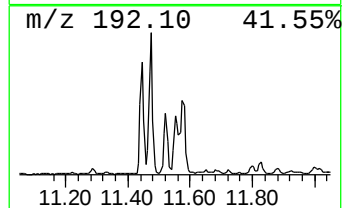
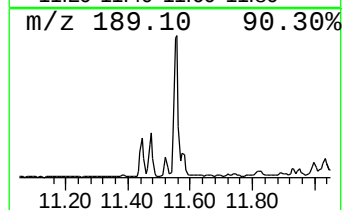
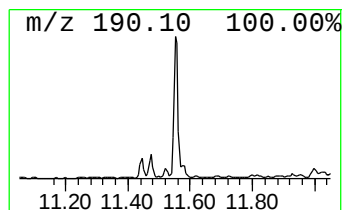
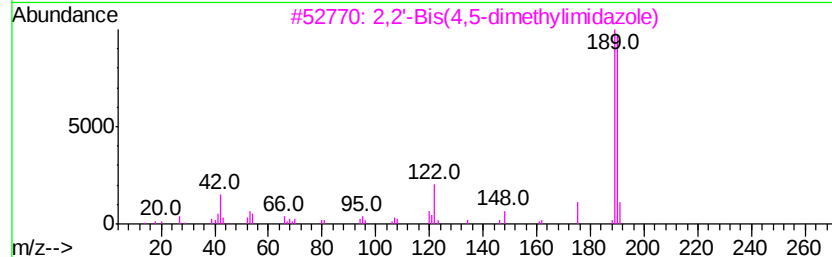
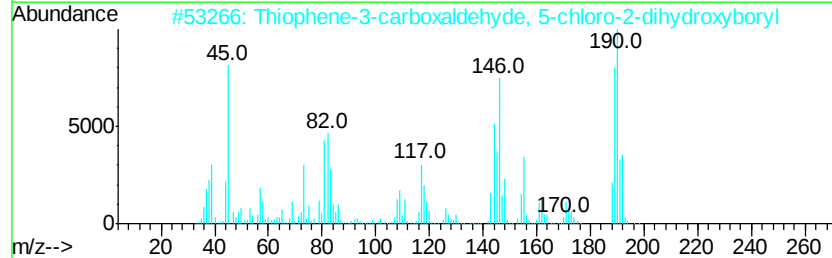
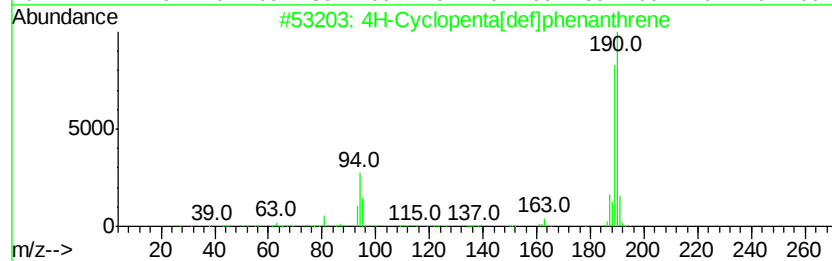
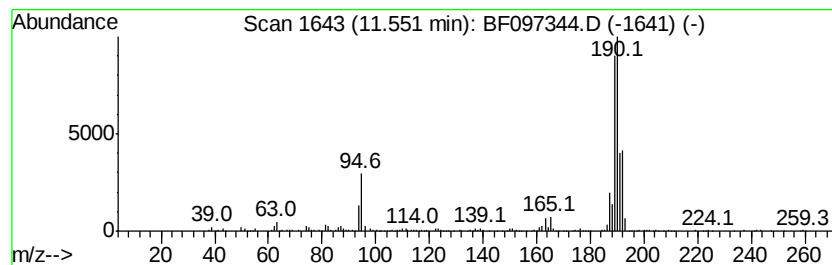
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	15.89 ng	468611	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4		Methyl diselenide	190	C2H6Se2	007101-31-7	38
5		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	17



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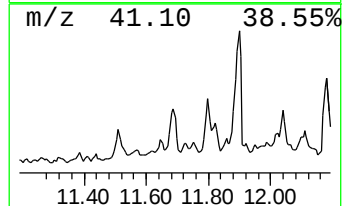
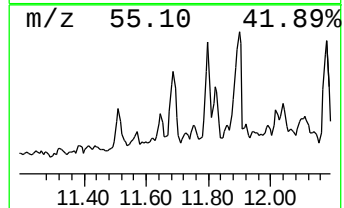
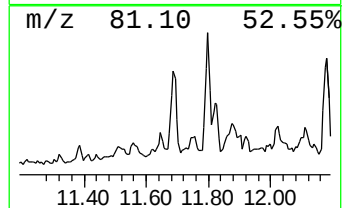
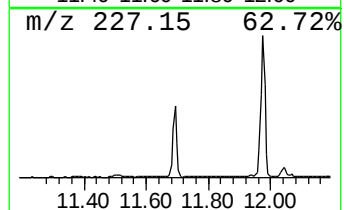
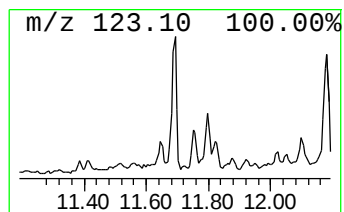
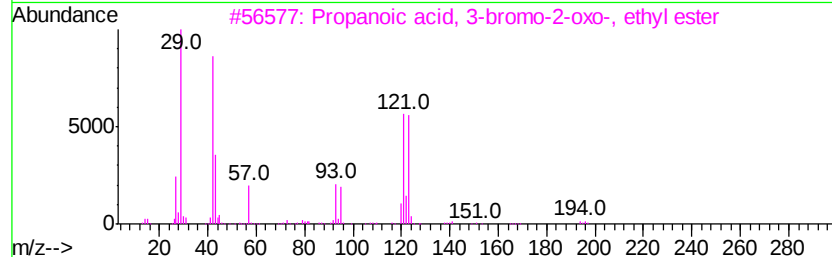
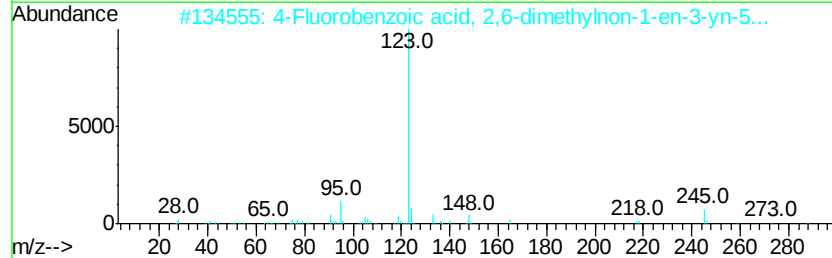
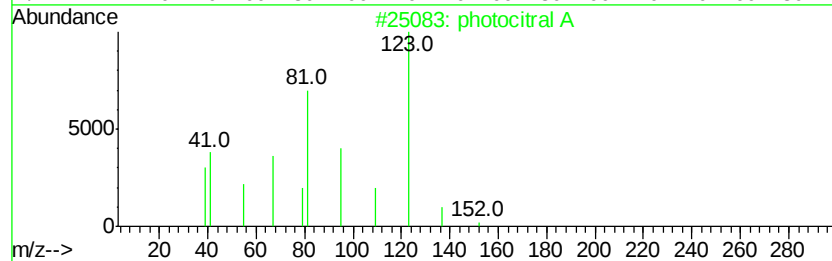
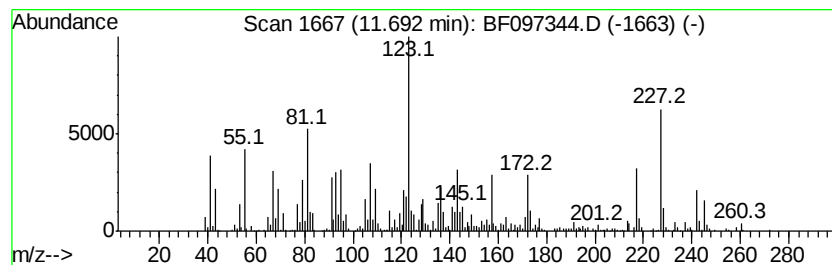
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown11.69 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.69	29.20 ng	861093	Phenanthrene-d10	10.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	photocitral A	152	C10H16O	055253-28-6	38
2	4-Fluorobenzoic acid, 2,6-dimeth...	288	C18H21FO2	1000299-15-7	35
3	Propanoic acid, 3-bromo-2-oxo-, ...	194	C5H7BrO3	000070-23-5	30
4	trans-Chrysanthemal	152	C10H16O	020104-05-6	30
5	Methyl 2-fluorobenzoate	154	C8H7FO2	000394-35-4	30



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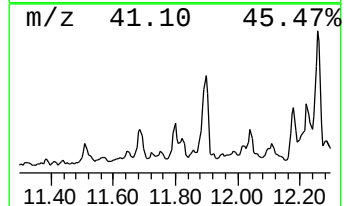
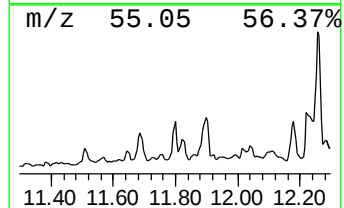
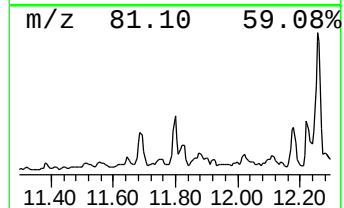
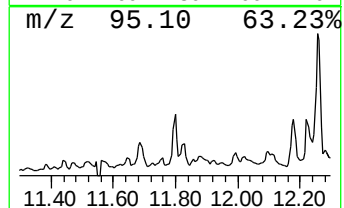
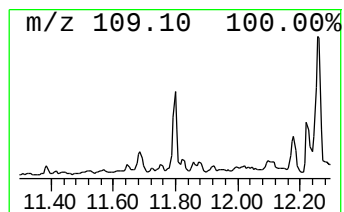
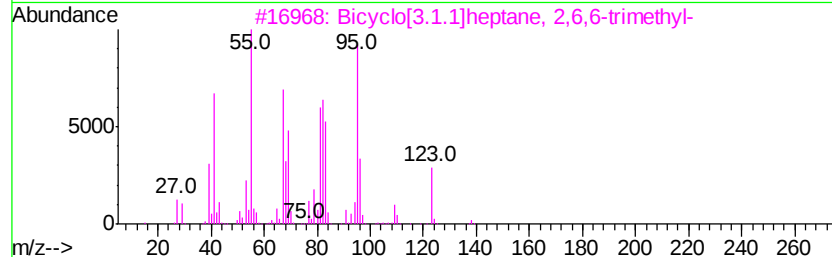
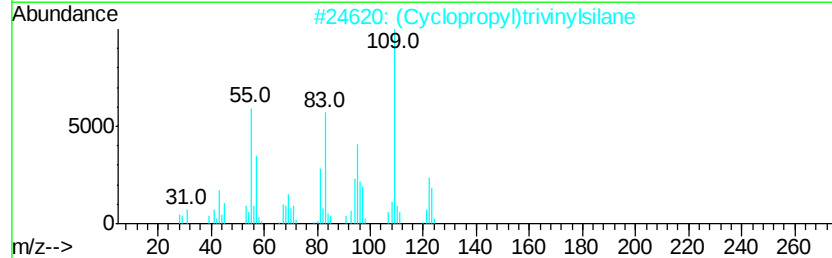
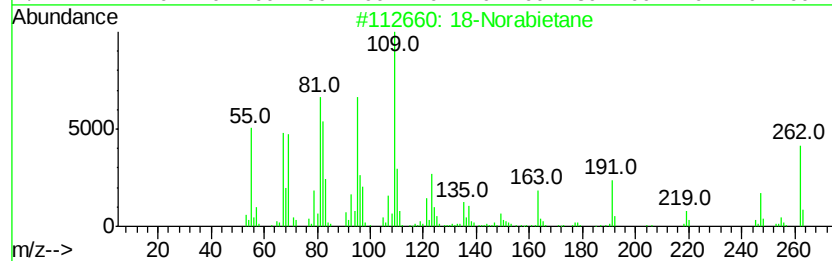
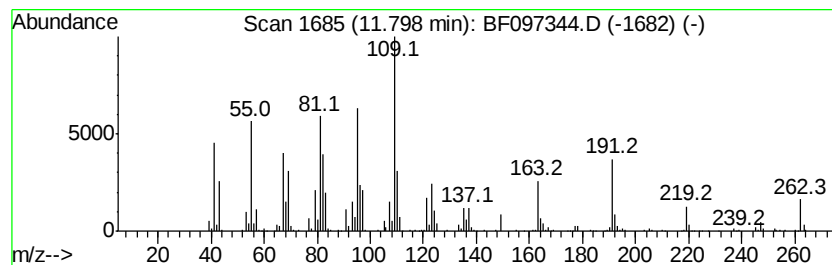
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 18-Norabietane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.80	19.64 ng	579170	Phenanthrene-d10	10.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		18-Norabietane	262	C19H34	1000293-16-6	96
2		(Cyclopropyl)trivinylsilane	150	C9H14Si	1000109-93-8	38
3		Bicvclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	38
4		Phosphinecarboxylic acid, dietho...	210	C7H15O5P	001474-78-8	35
5		2-Isobutylideneamino-3-methylbut...	152	C9H16N2	125213-17-4	32



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
Data File : BF097344.D
Acq On : 4 Aug 2017 4:04
Operator : SJ/JU
Sample : I4522-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-3D68

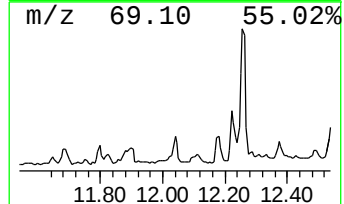
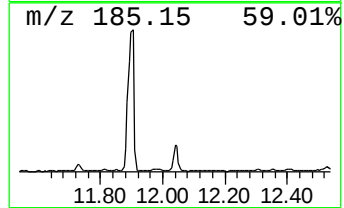
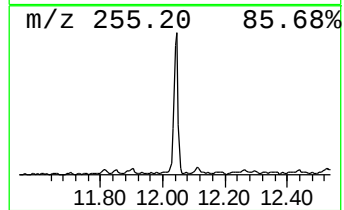
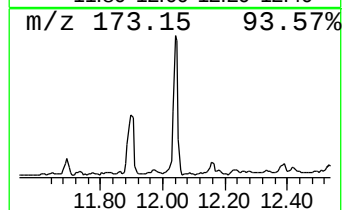
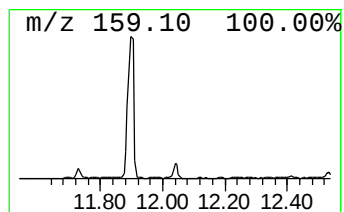
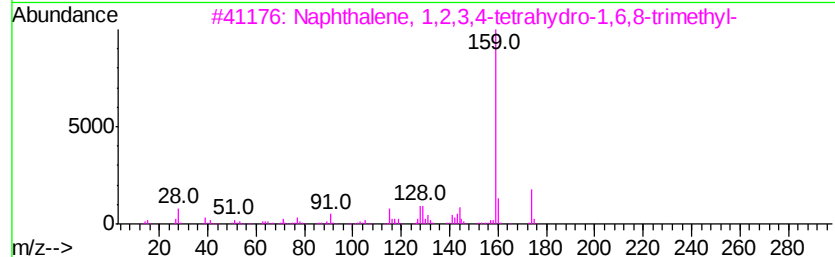
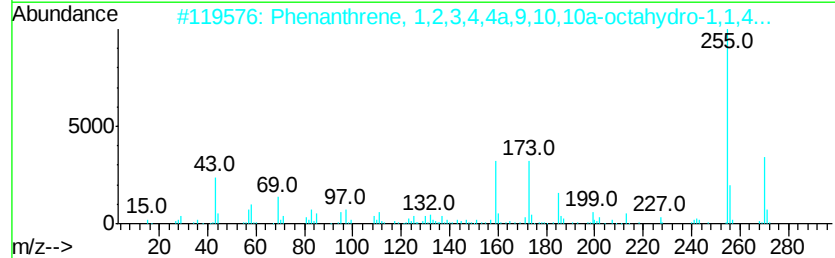
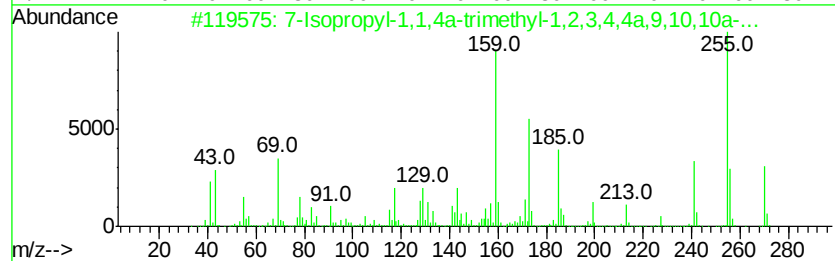
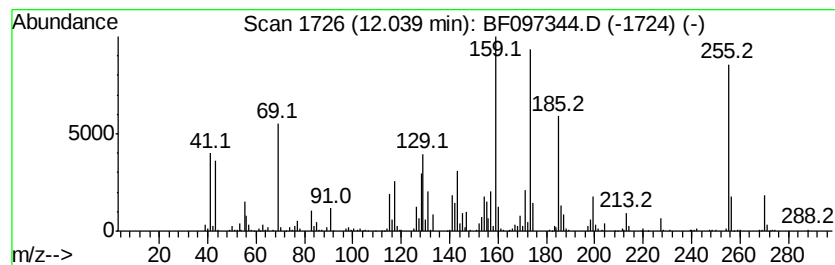
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 7-Isopropyl-1,1,4a-trimethy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	23.06 ng	680065	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Isopropyl-1,1,4a-trimethyl-1,2...	270	C20H30	1000210-28-9	70
2		Phenanthrene, 1,2,3,4,4a,9,10,10...	270	C20H30	019407-28-4	46
3		Naphthalene, 1,2,3,4-tetrahydro...	174	C13H18	030316-36-0	30
4		1-Phenanthrenecarboxaldehyde, 1,...	284	C20H28O	024035-50-5	27
5		Naphthalene, 1,2,3,4-tetrahydro...	174	C13H18	021693-51-6	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
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ALS Vial : 24 Sample Multiplier: 1

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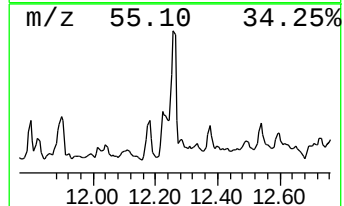
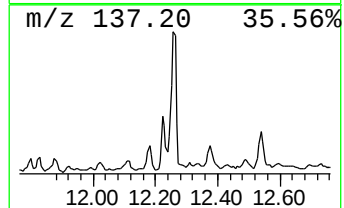
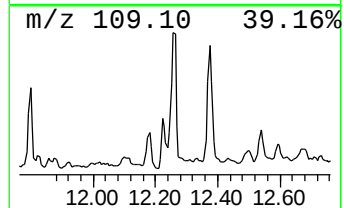
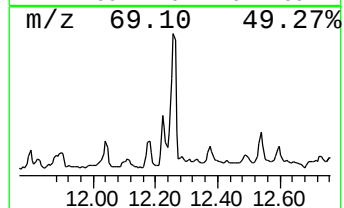
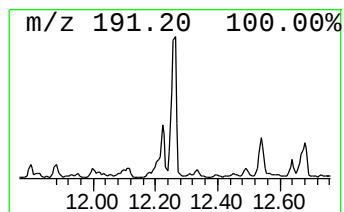
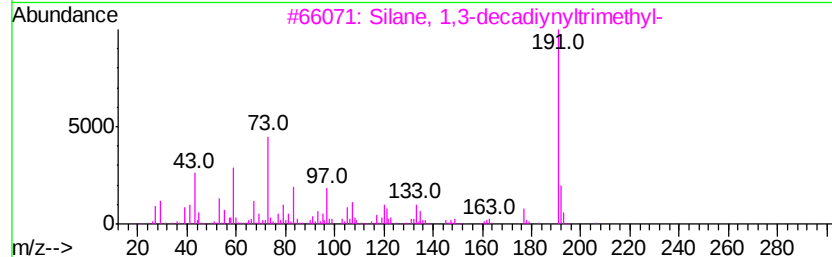
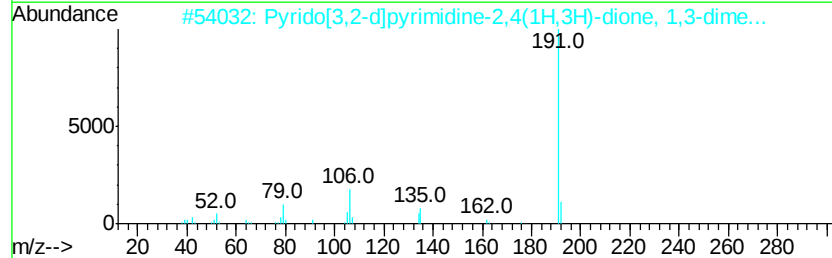
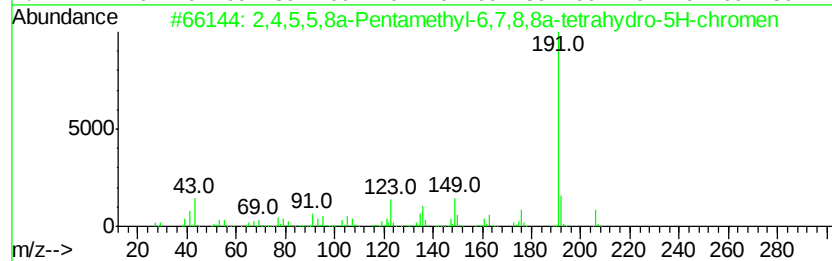
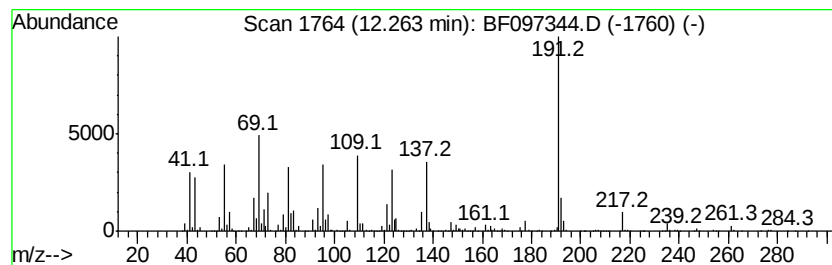
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown12.26 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	91.66 ng	2703380	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	40
2		Pyrido[3,2-d]pyrimidine-2,4(1H,3...	191	C9H9N3O2	024410-25-1	35
3		Silane, 1,3-decadiynyltrimethyl-	206	C13H22Si	084751-17-7	32
4		3-Fluoro-5-trifluoromethylbenzoi...	404	C22H32F4O2	1000338-66-7	27
5		Propanamide, N-(2,3-dihydro-3-me...	220	C11H12N2OS	332413-15-7	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
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Sample : I4522-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

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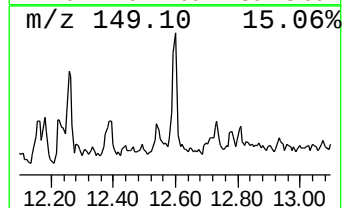
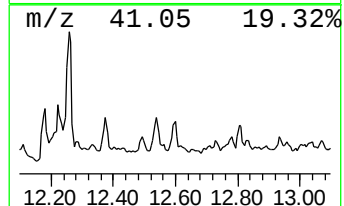
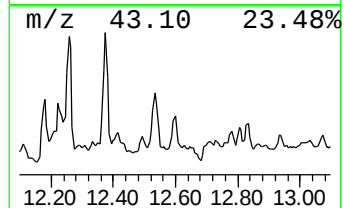
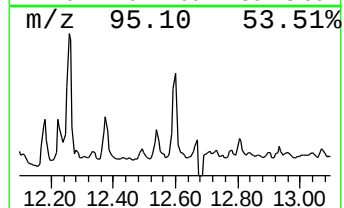
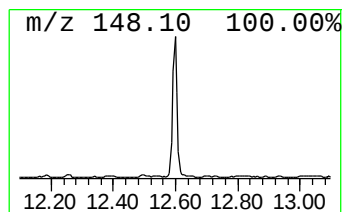
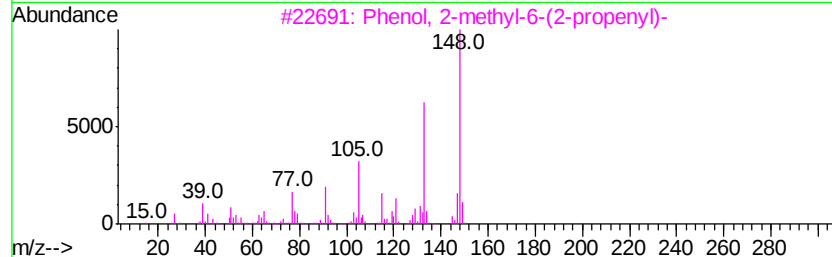
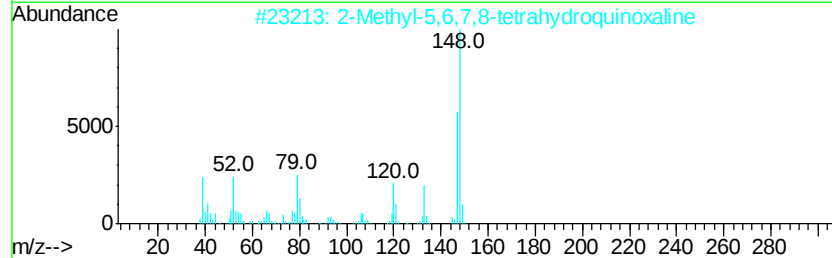
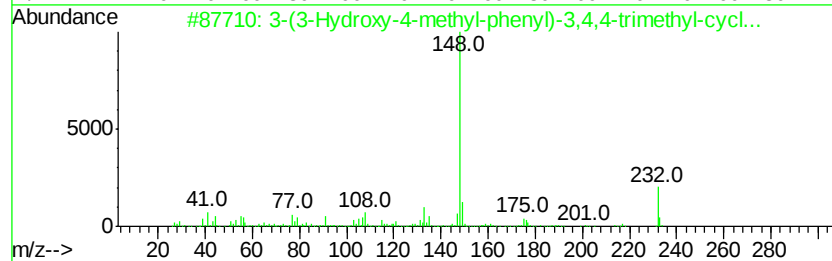
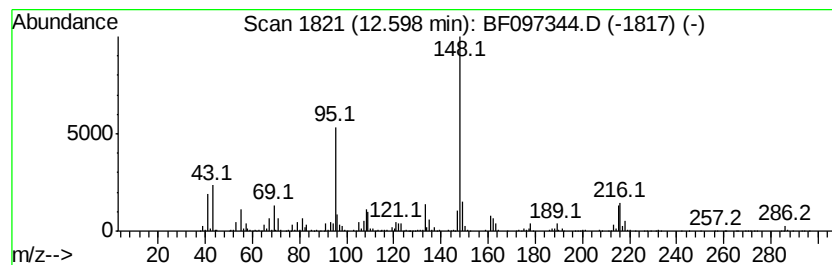
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.60 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	15.66 ng	1024320	Chrysene-d12	13.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-(3-Hydroxy-4-methyl-phenyl)-3,...	232	C15H20O2	1000185-23-6	49
2		2-Methyl-5,6,7,8-tetrahydroquino...	148	C9H12N2	038917-65-6	38
3		Phenol, 2-methyl-6-(2-propenyl)-	148	C10H12O	003354-58-3	37
4		1-Hexene, 2-(p-anisyl)-4-methyl-	204	C14H20O	1000149-73-1	37
5		Ethandione, bis[4-(dimethylamino...	296	C18H20N2O2	017078-27-2	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097344.D
Acq On : 4 Aug 2017 4:04
Operator : SJ/JU
Sample : I4522-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

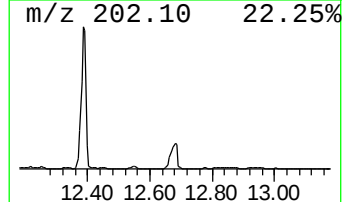
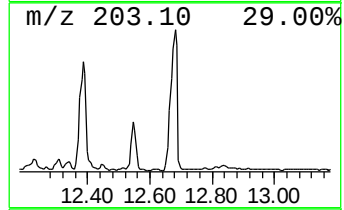
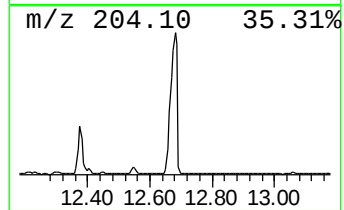
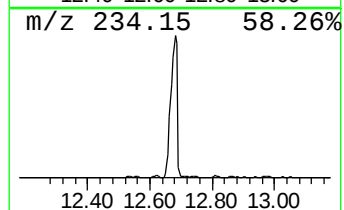
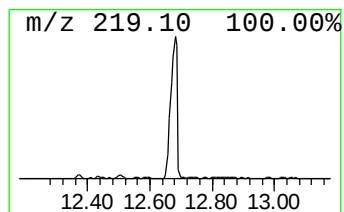
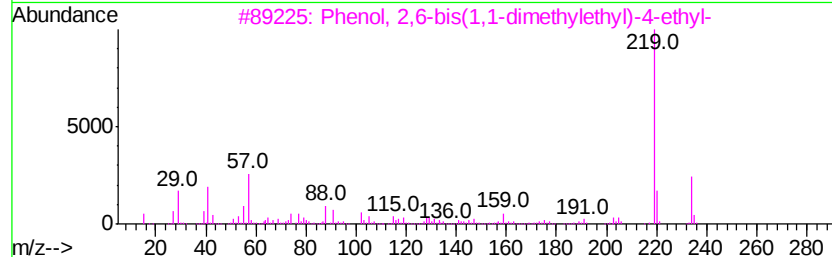
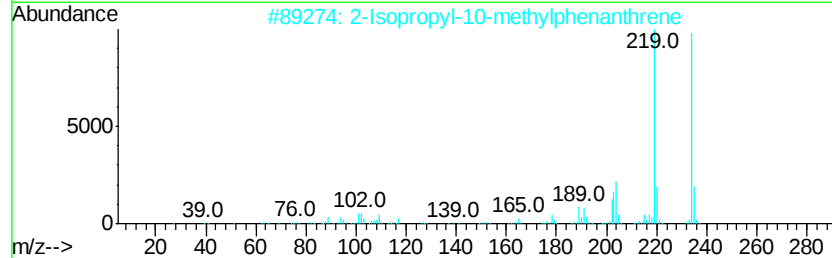
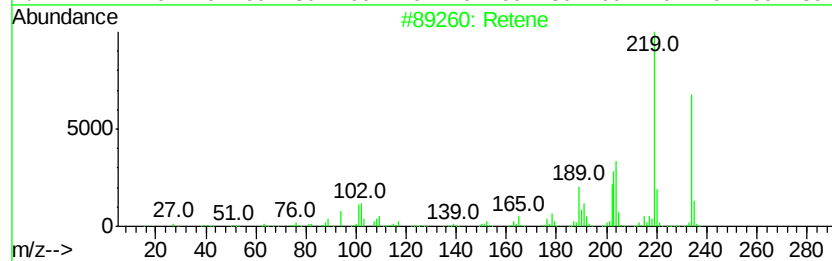
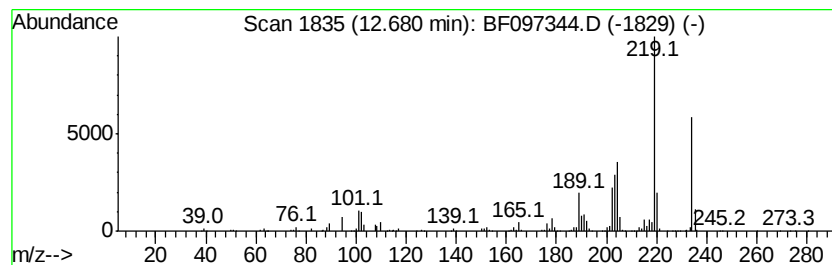
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Retene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	56.95 ng	3724450	Chrysene-d12	13.58
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Retene		234 C18H18	000483-65-8 99
2	2-Isopropyl-10-methylphenanthrene		234 C18H18	066552-97-4 94
3	Phenol, 2,6-bis(1,1-dimethylethyl)-		234 C16H26O	004130-42-1 50
4	2-[1-(4-Methylphenyl)ethylidene]-		234 C16H14N2	1000326-46-0 49
5	Benzene, 1,3-bis(1,1-dimethylethyl)-		234 C16H26O	001518-53-2 47



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Sample : I4522-02
Misc :
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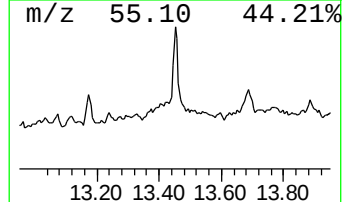
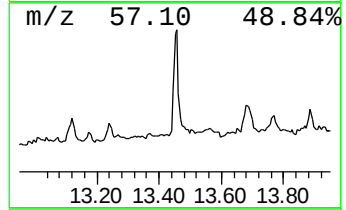
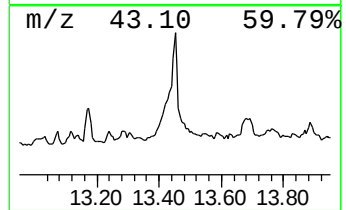
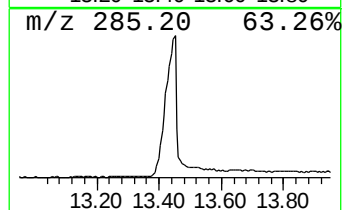
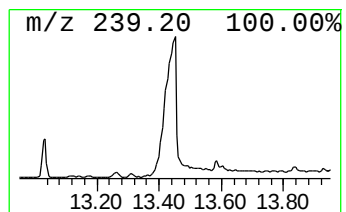
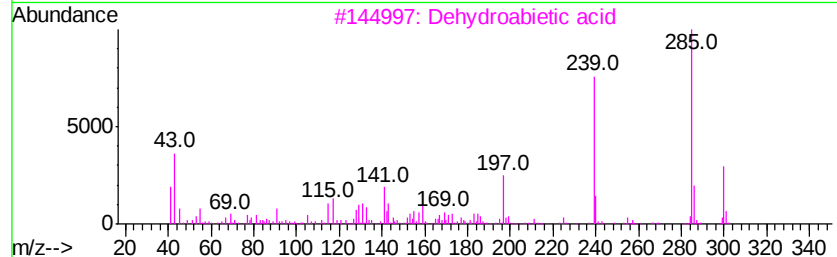
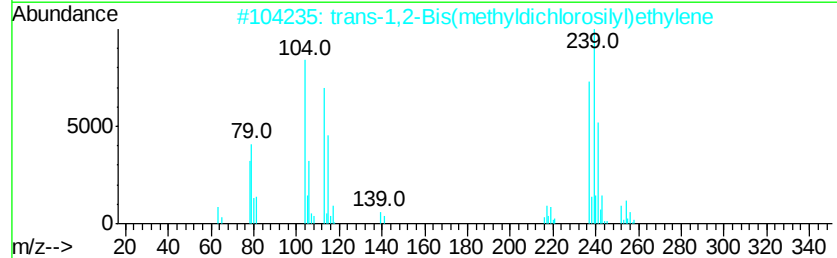
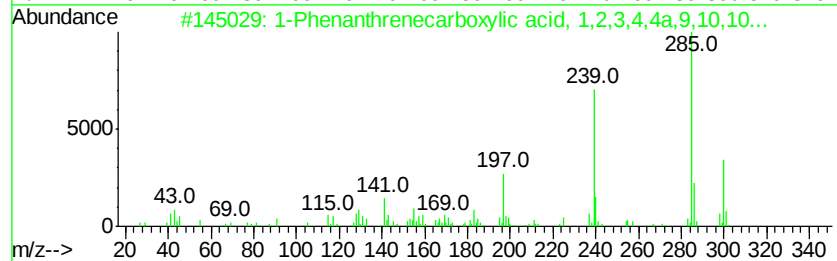
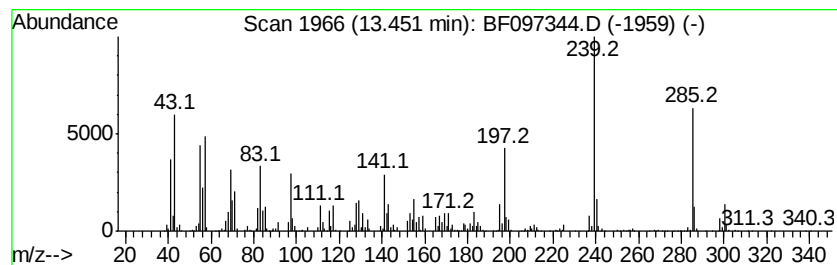
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1-Phenanthrenecarboxylic ac... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.45	53.55 ng	3501970	Chrysene-d12	13.58		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	93
2		trans-1,2-Bis(methyldichlorosilyl...	252	C4H8Cl4Si2	065899-10-7	93
3		Dehydroabiatic acid	300	C20H28O2	001740-19-8	91
4		2-Ethylidene-hydrazono-3-methyl-...	239	C10H10ClN3S	1000148-08-4	43
5		3-Quinolinecarboxylic acid, 4-hy...	285	C13H10F3N03	023851-84-5	43



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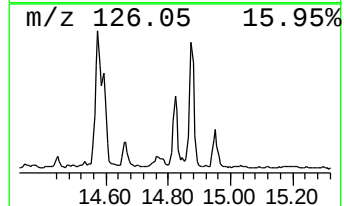
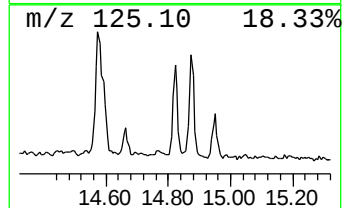
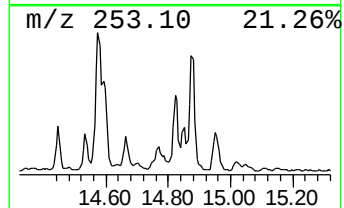
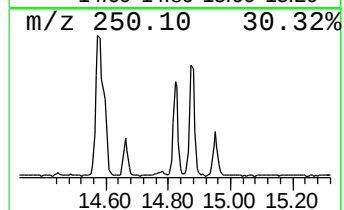
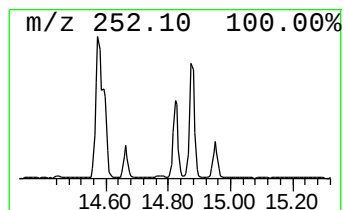
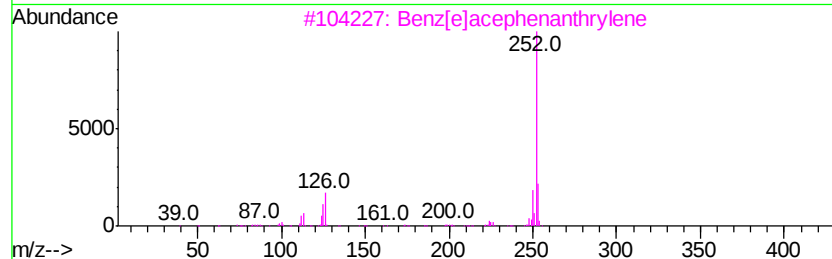
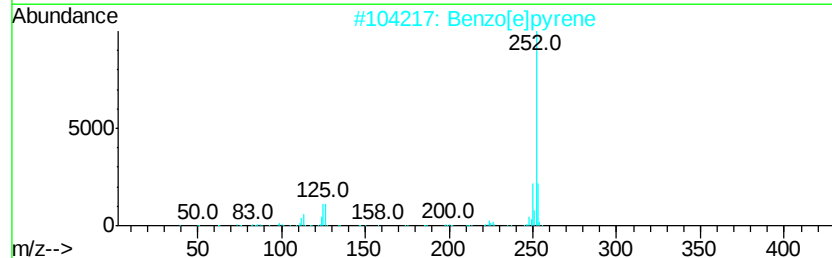
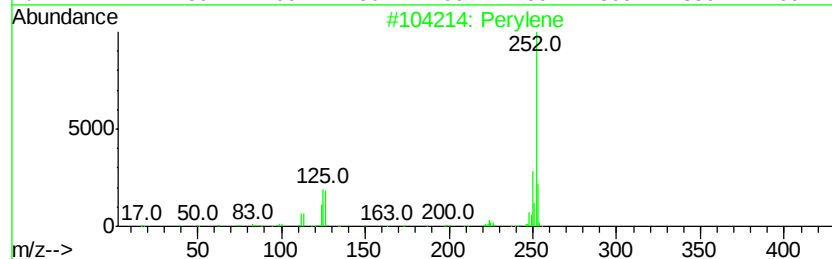
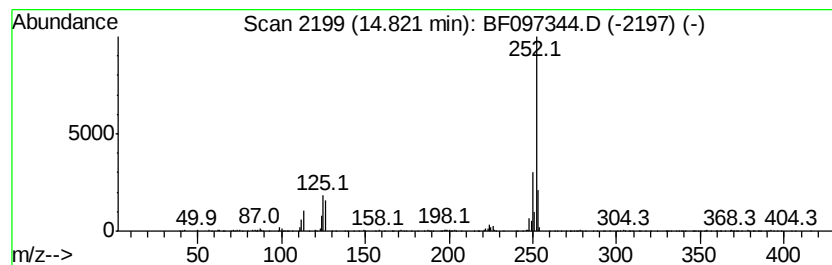
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Perylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	28.72 ng	283470	Perylene-d12	14.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	99
2		Benzo[e]pyrene	252	C20H12	000192-97-2	98
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	91



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ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-3D68

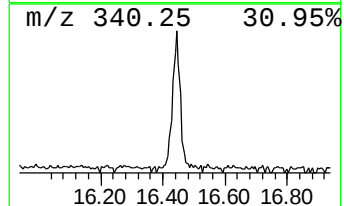
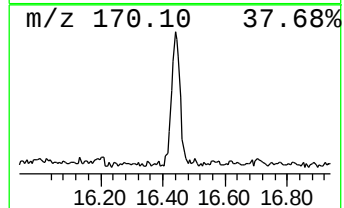
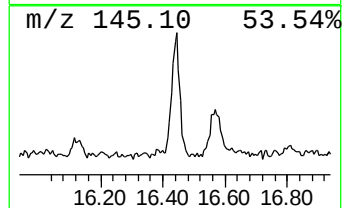
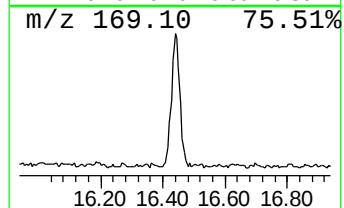
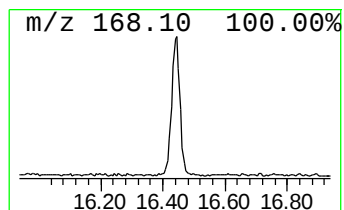
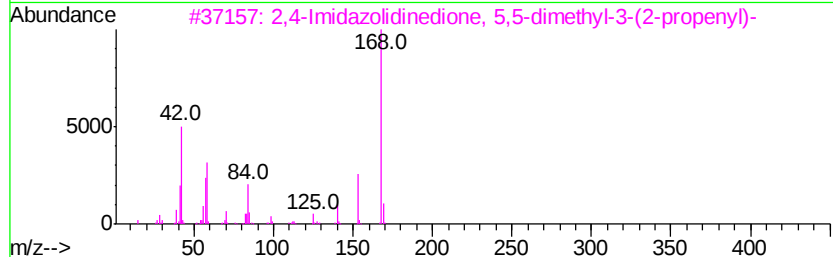
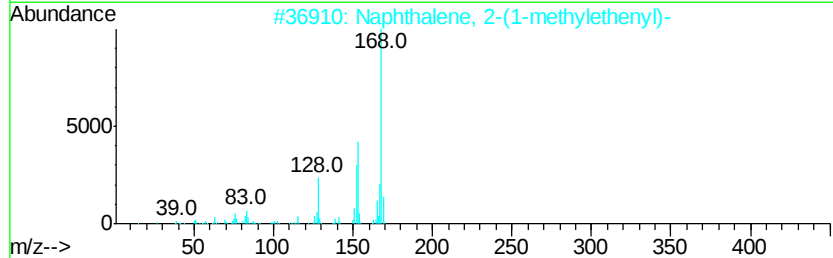
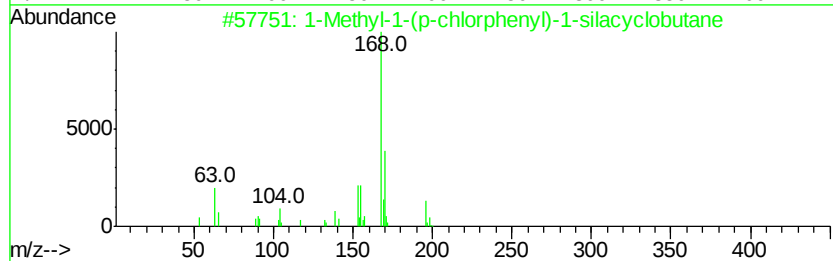
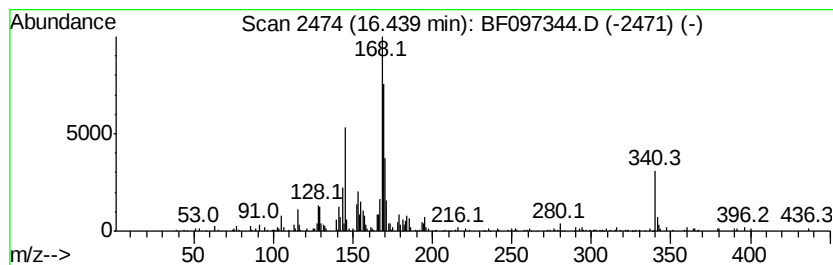
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown16.44 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	25.04 ng	247124	Perylene-d12	14.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyl-1-(p-chlorophenyl)-1-sil...	196	C10H13ClSi	057465-49-3	32
2		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	27
3		2,4-Imidazolidinedione, 5,5-dime...	168	C8H12N2O2	003366-92-5	27
4		Pyrindine, 3-(phenylmethyl)-	169	C12H11N	000620-95-1	25
5		3,6-Diazahomoadamantan-9-ol	168	C9H16N2O	138023-21-9	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097344.D
Acq On : 4 Aug 2017 4:04
Operator : SJ/JU
Sample : I4522-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
TP-3D68

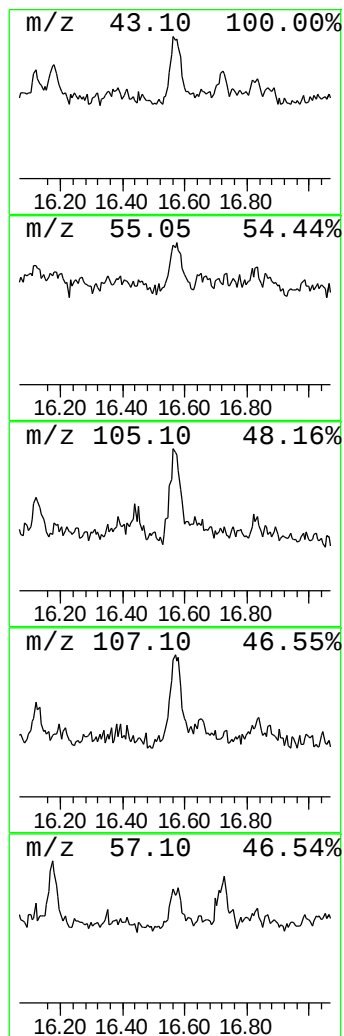
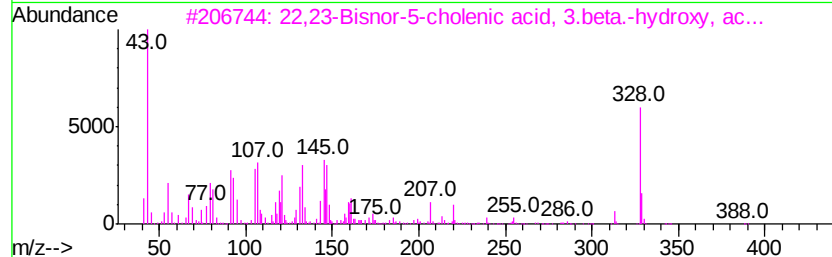
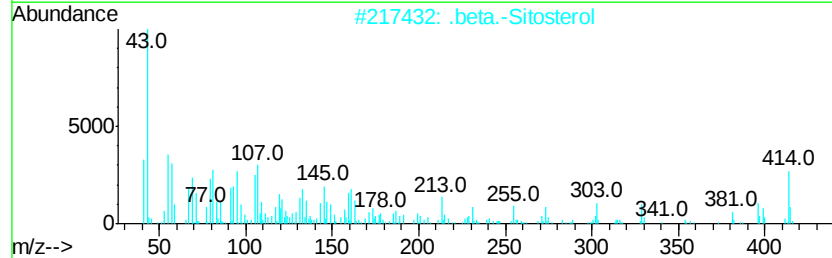
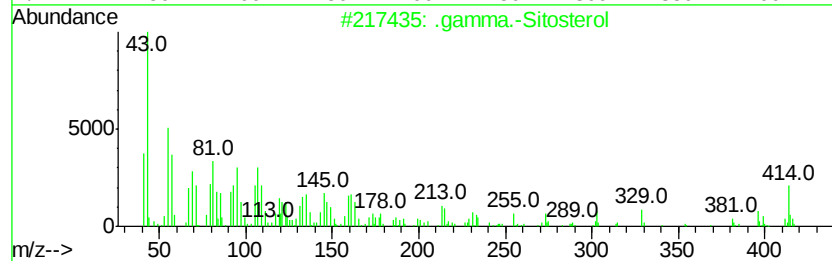
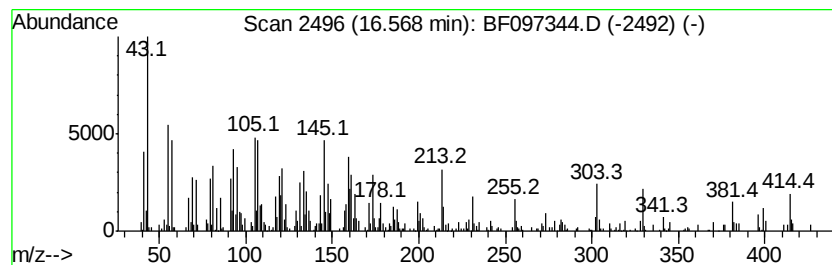
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 .gamma.-Sitosterol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	23.67 ng	233629	Perylene-d12	14.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	90
2		.beta.-Sitosterol	414	C29H50O	000083-46-5	83
3		22,23-Bisnor-5-cholenic acid, 3....	388	C24H36O4	1000127-30-8	37
4		5-Cholesten-3.beta.-acetoxv-24-t...	460	C29H48O2S	1000253-09-1	35
5		3-Acetoxy-bisnor-5-cholenic acid	388	C24H36O4	1000251-92-6	17



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
 Data File : BF097344.D
 Acq On : 4 Aug 2017 4:04
 Operator : SJ/JU
 Sample : I4522-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3D68

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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
2-Pentanone, 4-hy...	4.57	26.4	ng	750577	1	6.45	567934	20.0
.alpha.-Pinene	5.71	113.2	ng	3214170	1	6.45	567934	20.0
unknown6.22	6.22	72.2	ng	2050040	1	6.45	567934	20.0
p-Cymene	6.53	48.2	ng	1369520	1	6.45	567934	20.0
D-Limonene	6.57	34.8	ng	987006	1	6.45	567934	20.0
Longifolene	9.11	64.5	ng	2522840	3	9.47	782210	20.0
Anthracene, 2-met...	11.52	14.8	ng	435886	4	10.95	589843	20.0
4H-Cyclopenta[def...	11.55	15.9	ng	468611	4	10.95	589843	20.0
unknown11.69	11.69	29.2	ng	861093	4	10.95	589843	20.0
18-Norabietane	11.80	19.6	ng	579170	4	10.95	589843	20.0
4b,8-Dimethyl-2-i...	11.90	122.3	ng	3606230	4	10.95	589843	20.0
7-Isopropyl-1,1,4...	12.04	23.1	ng	680065	4	10.95	589843	20.0
unknown12.26	12.26	91.7	ng	2703380	4	10.95	589843	20.0
unknown12.60	12.60	15.7	ng	1024320	5	13.58	1308010	20.0
Retene	12.68	57.0	ng	3724450	5	13.58	1308010	20.0
1-Phenanthrenecar...	13.45	53.5	ng	3501970	5	13.58	1308010	20.0
Perylene	14.82	28.7	ng	283470	6	14.93	197419	20.0
unknown16.44	16.44	25.0	ng	247124	6	14.93	197419	20.0
.gamma.-Sitosterol	16.57	23.7	ng	233629	6	14.93	197419	20.0