

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097372.D
 Acq On : 4 Aug 2017 22:55
 Operator : SJ/JU
 Sample : I4586-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HARDWICK-SOIL-COMP

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	4.563	468	472	486	rBV	276312	439806	14.64%	1.172%
2	4.839	516	519	532	rBV	11756	34850	1.16%	0.093%
3	5.039	549	553	572	rBV	1811035	2217268	73.82%	5.907%
4	6.116	732	736	749	rBV	1868699	2359346	78.55%	6.285%
5	6.216	749	753	763	rVB	2165084	2157958	71.84%	5.749%
6	6.439	787	791	799	rBV	764628	709450	23.62%	1.890%
7	6.522	799	805	808	rBV	404835	339808	11.31%	0.905%
8	6.592	814	817	829	rVB	1621198	1525893	50.80%	4.065%
9	6.886	861	867	871	rBV2	31454	33236	1.11%	0.089%
10	7.010	884	888	891	rBV	1530431	1381633	46.00%	3.681%
11	7.722	1006	1009	1018	rVB	1020645	920859	30.66%	2.453%
12	7.998	1052	1056	1059	rVB	152226	137698	4.58%	0.367%
13	8.086	1068	1071	1075	rVB	156431	118787	3.95%	0.316%
14	8.298	1102	1107	1111	rBV3	33711	36831	1.23%	0.098%
15	8.392	1120	1123	1127	rVB2	34294	34557	1.15%	0.092%
16	8.798	1187	1192	1195	rBV	2096102	1949403	64.90%	5.193%
17	8.916	1209	1212	1218	rVB	50399	50666	1.69%	0.135%
18	9.122	1244	1247	1252	rVB4	34247	38687	1.29%	0.103%
19	9.198	1256	1260	1266	rVV	440241	425130	14.15%	1.133%
20	9.463	1301	1305	1308	rVB	878076	809587	26.95%	2.157%
21	9.586	1324	1326	1330	rVB2	33919	30606	1.02%	0.082%
22	9.710	1339	1347	1354	rBV2	210279	285607	9.51%	0.761%
23	9.916	1379	1382	1386	rVB	42895	38988	1.30%	0.104%
24	10.127	1413	1418	1422	rBV4	22781	36966	1.23%	0.098%
25	10.245	1435	1438	1444	rBV	912392	882397	29.38%	2.351%
26	10.386	1458	1462	1466	rBV	62124	82260	2.74%	0.219%
27	10.469	1474	1476	1480	rBV3	28412	34036	1.13%	0.091%
28	10.510	1480	1483	1486	rBV	71520	64016	2.13%	0.171%
29	10.639	1502	1505	1508	rBV2	63315	60422	2.01%	0.161%
30	10.827	1533	1537	1540	rBV	47352	54049	1.80%	0.144%
31	10.933	1549	1555	1557	rBV	742854	787221	26.21%	2.097%
32	10.957	1557	1559	1562	rVV2	84399	94536	3.15%	0.252%
33	10.992	1562	1565	1567	rVV	320841	328294	10.93%	0.875%
34	11.016	1567	1569	1572	rVB	196946	159699	5.32%	0.425%

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35	11.092	1577	1582	1590	rVV5	87530	140339	4.67%	0.374%
36	11.174	1592	1596	1604	rVV2	118961	132567	4.41%	0.353%
37	11.345	1622	1625	1628	rVB4	26939	32508	1.08%	0.087%
38	11.421	1634	1638	1641	rBV2	81221	115501	3.85%	0.308%
39	11.457	1641	1644	1647	rVB	100158	103269	3.44%	0.275%
40	11.498	1647	1651	1657	rBV	565000	621750	20.70%	1.656%
41	11.616	1667	1671	1674	rBV3	51032	54660	1.82%	0.146%
42	11.663	1676	1679	1683	rVB2	65671	76535	2.55%	0.204%
43	11.810	1701	1704	1707	rBV2	61571	61218	2.04%	0.163%
44	12.004	1734	1737	1738	rBV2	40996	33997	1.13%	0.091%
45	12.080	1746	1750	1751	rBV4	30874	37410	1.25%	0.100%
46	12.098	1751	1753	1757	rVB	79609	81536	2.71%	0.217%
47	12.133	1757	1759	1763	rVB	129912	115786	3.85%	0.308%
48	12.192	1763	1769	1770	rBV3	114675	180141	6.00%	0.480%
49	12.268	1779	1782	1792	rBV	306483	410368	13.66%	1.093%
50	12.357	1794	1797	1804	rVB	150569	188430	6.27%	0.502%
51	12.415	1804	1807	1809	rBV3	31280	38818	1.29%	0.103%
52	12.510	1819	1823	1827	rBV	1167000	1074169	35.76%	2.862%
53	12.598	1832	1838	1844	rBV9	45433	129334	4.31%	0.345%
54	12.762	1859	1866	1869	rBV4	85879	176720	5.88%	0.471%
55	12.921	1888	1893	1894	rBV4	40139	58163	1.94%	0.155%
56	12.951	1894	1898	1899	rVV2	45105	56297	1.87%	0.150%
57	12.974	1899	1902	1906	rVV3	105301	160181	5.33%	0.427%
58	13.010	1906	1908	1910	rVB2	35519	36058	1.20%	0.096%
59	13.068	1915	1918	1920	rBV	99121	94559	3.15%	0.252%
60	13.304	1956	1958	1961	rBV	43395	50554	1.68%	0.135%
61	13.427	1976	1979	1985	rVV2	238782	280745	9.35%	0.748%
62	13.486	1987	1989	1994	rVB	90057	100781	3.36%	0.268%
63	13.551	1996	2000	2003	rVV2	687398	796385	26.51%	2.122%
64	13.580	2003	2005	2010	rVB	170947	155117	5.16%	0.413%
65	13.939	2062	2066	2068	rBV4	35640	41645	1.39%	0.111%
66	14.057	2082	2086	2092	rBV2	324065	544920	18.14%	1.452%
67	14.133	2097	2099	2103	rBV4	56963	70501	2.35%	0.188%
68	14.268	2120	2122	2125	rBV3	52884	50082	1.67%	0.133%
69	14.404	2142	2145	2151	rVB	178258	196360	6.54%	0.523%
70	14.468	2153	2156	2159	rVB2	82723	86503	2.88%	0.230%
71	14.545	2166	2169	2179	rVB	163927	297550	9.91%	0.793%

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72	14.627	2179	2183	2185	rBV	1003415	1003693	33.41%	2.674%
73	14.651	2185	2187	2191	rVB	295719	330212	10.99%	0.880%
74	14.792	2209	2211	2214	rVB	109785	93777	3.12%	0.250%
75	14.892	2225	2228	2232	rBV	418917	453527	15.10%	1.208%
76	15.186	2276	2278	2281	rBV2	78662	74840	2.49%	0.199%
77	15.286	2290	2295	2299	rBV	717023	993847	33.09%	2.648%
78	15.327	2299	2302	2307	rBV3	109869	222308	7.40%	0.592%
79	15.486	2326	2329	2335	rVB2	250832	450613	15.00%	1.200%
80	16.098	2429	2433	2437	rBV2	123461	200898	6.69%	0.535%
81	16.145	2438	2441	2447	rVB2	169045	283376	9.43%	0.755%
82	16.539	2501	2508	2519	rBV4	605764	1706710	56.82%	4.547%
83	16.956	2574	2579	2589	rVB5	485273	1199316	39.93%	3.195%
84	17.156	2607	2613	2616	rBV5	200664	484525	16.13%	1.291%
85	17.339	2638	2644	2652	rVB4	275498	686029	22.84%	1.828%
86	18.015	2750	2759	2771	rBV4	223632	808952	26.93%	2.155%
87	18.162	2772	2784	2797	rVB2	983234	3003806	100.00%	8.002%

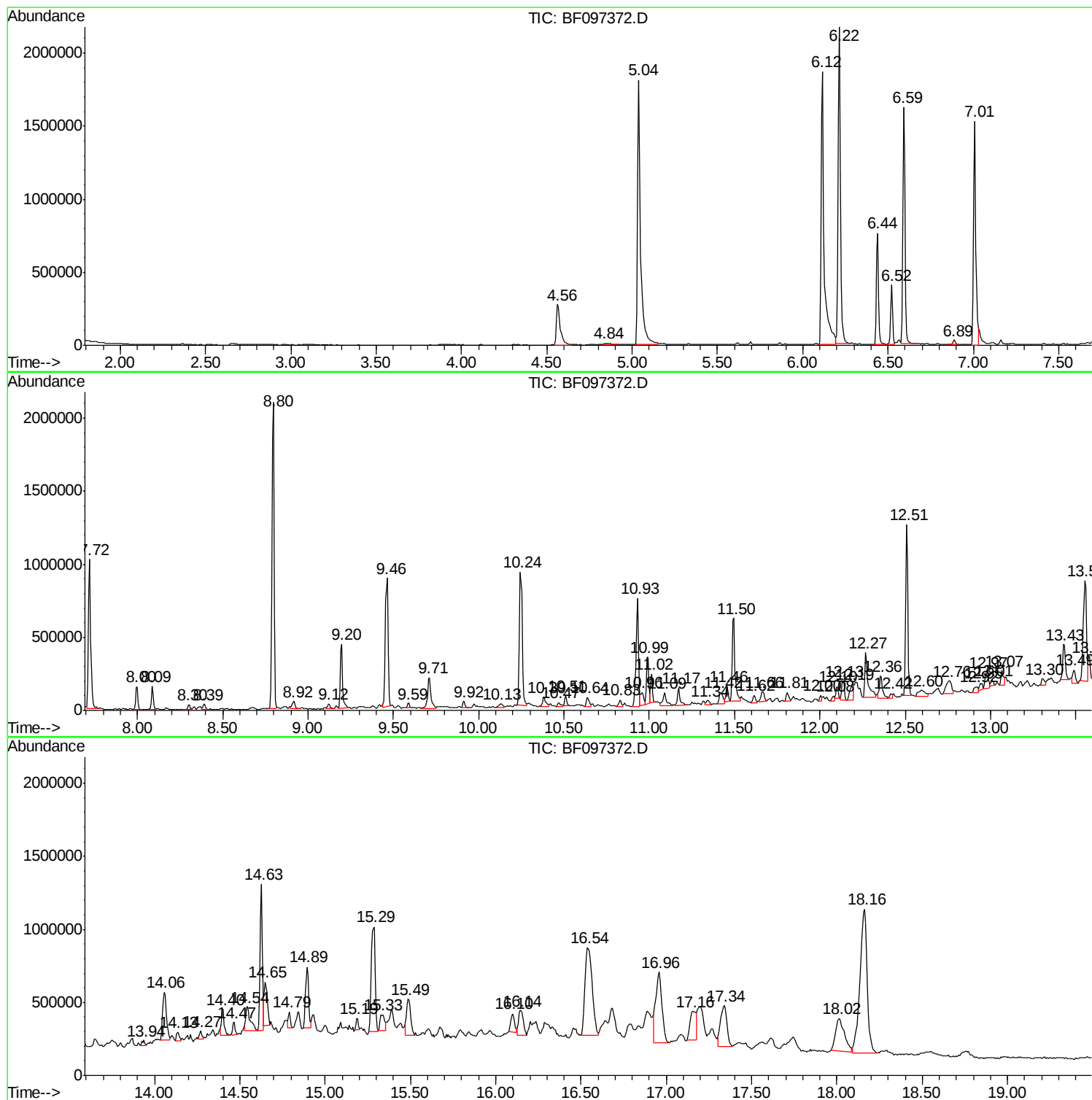
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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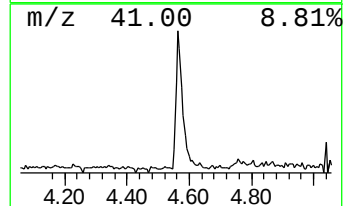
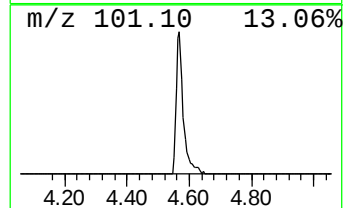
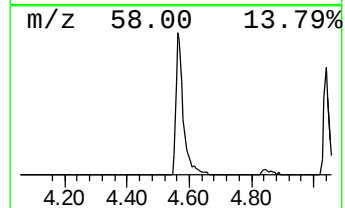
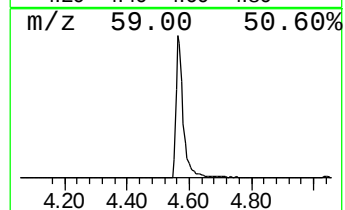
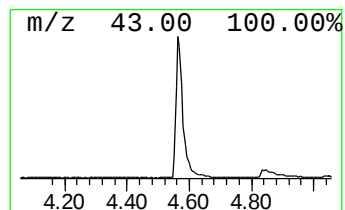
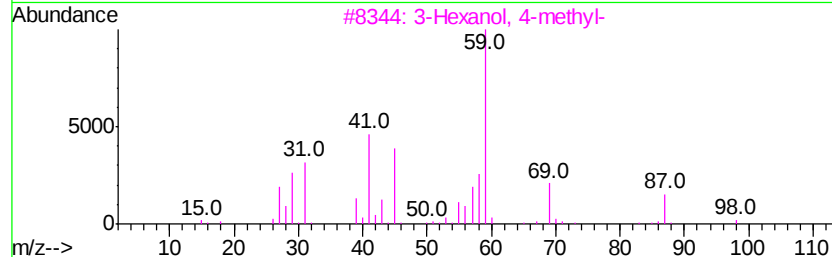
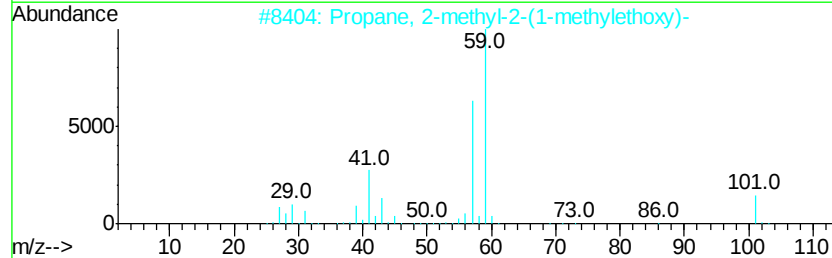
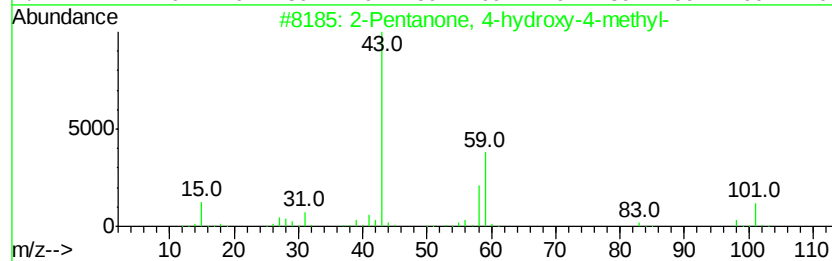
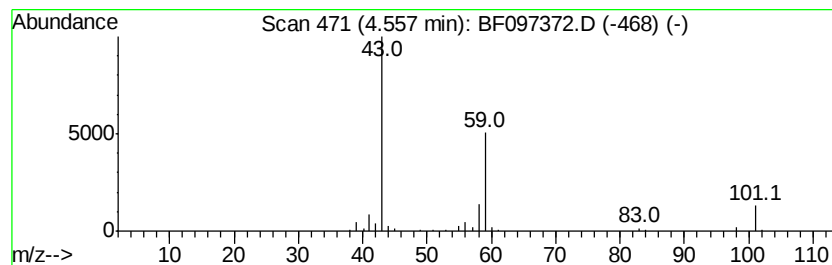
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.56	12.40 ng	439806	1,4-Dichlorobenzene-d4	6.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		Propane, 2-methyl-2-(1-methylethoxy)-	116	C7H16O	017348-59-3	42
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5		Acetic acid, cyano-, 1,1-dimethyl-	141	C7H11NO2	001116-98-9	25



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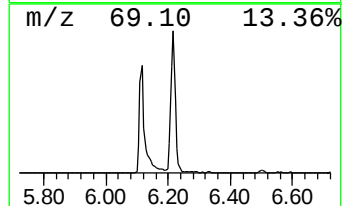
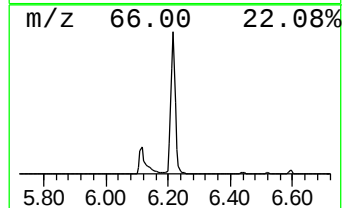
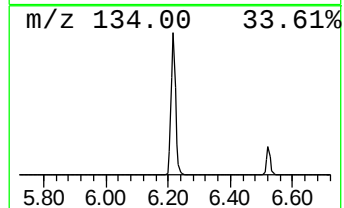
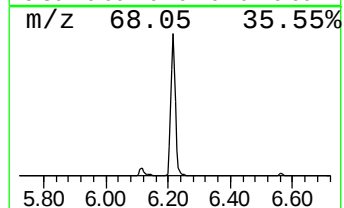
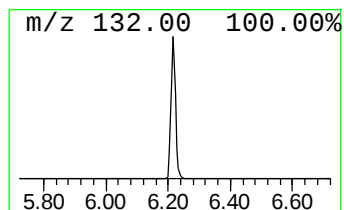
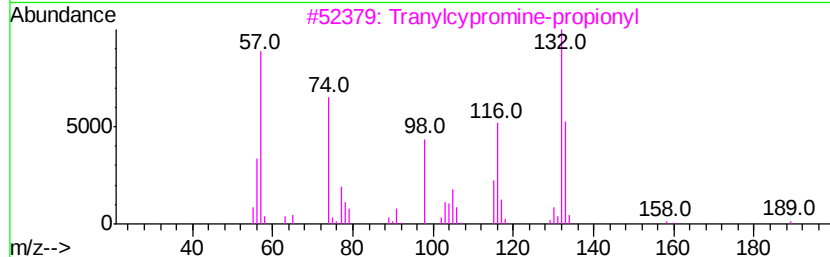
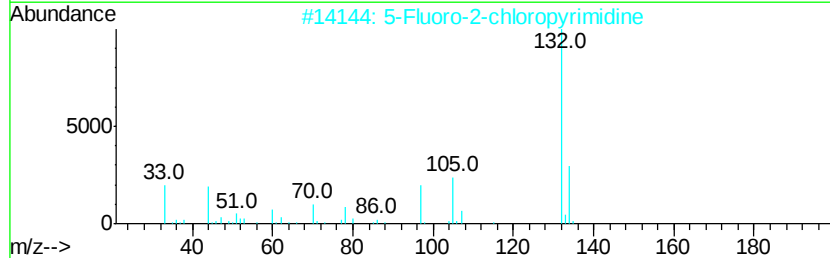
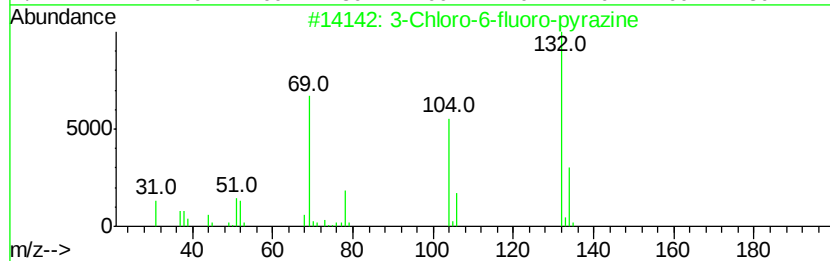
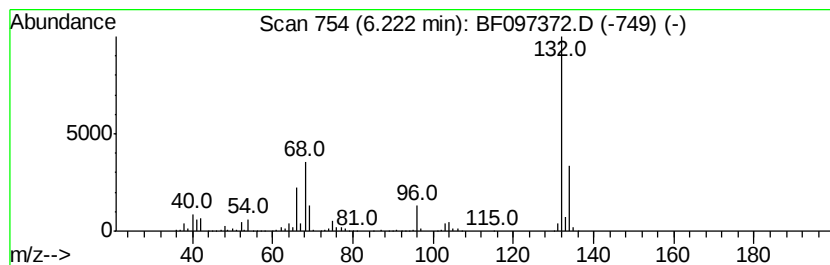
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.22 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	60.83 ng	2157960	1,4-Dichlorobenzene-d4	6.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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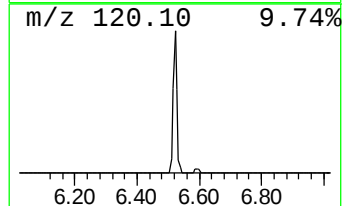
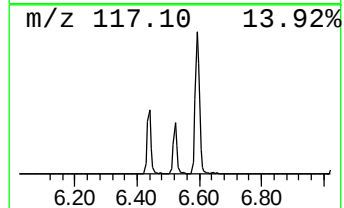
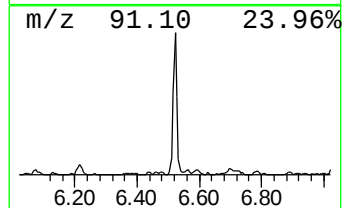
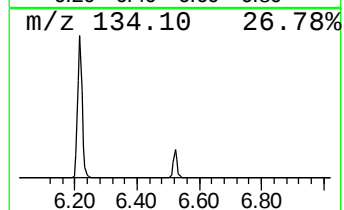
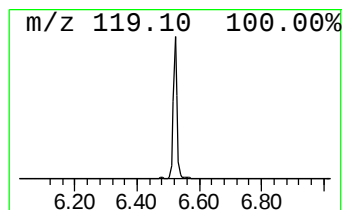
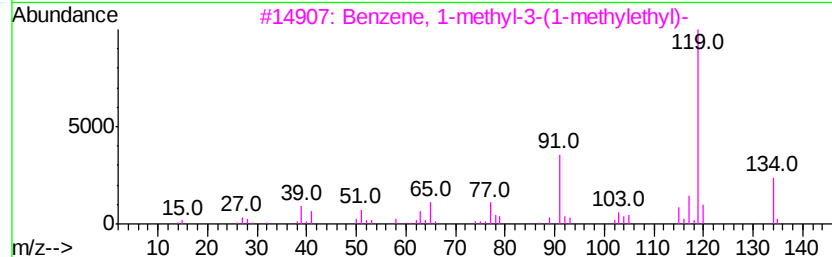
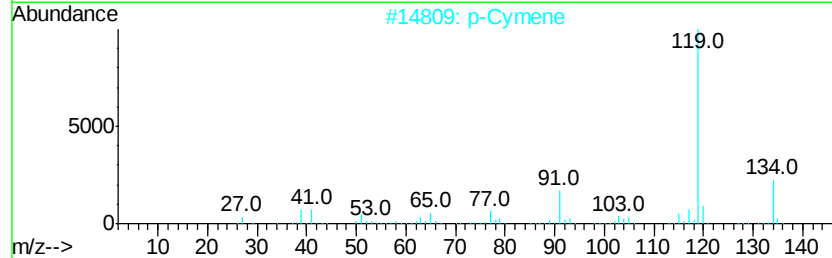
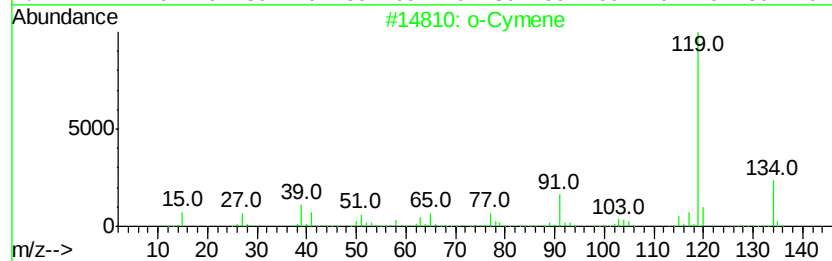
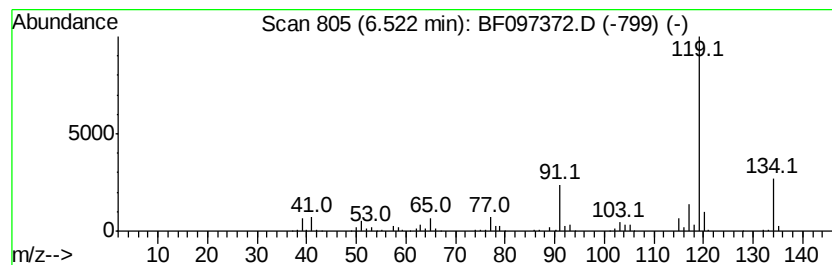
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 o-Cymene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	9.58 ng	339808	1,4-Dichlorobenzene-d4	6.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	97
2		p-Cymene	134	C10H14	000099-87-6	97
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	95
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91



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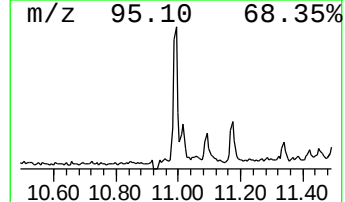
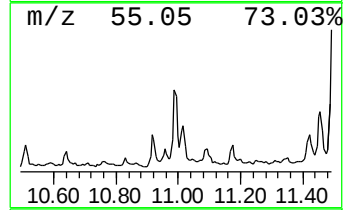
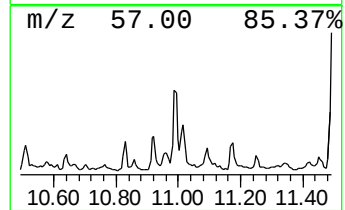
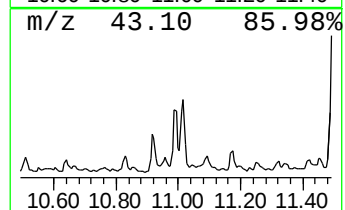
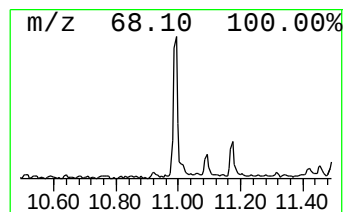
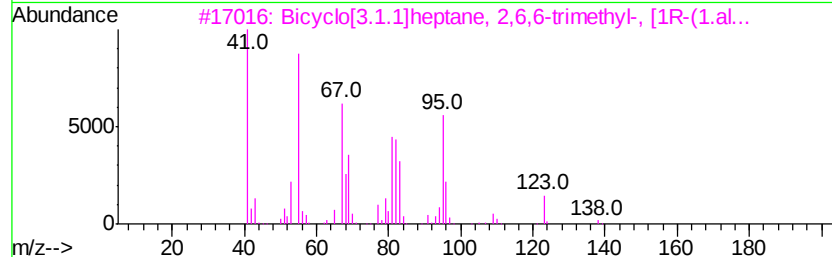
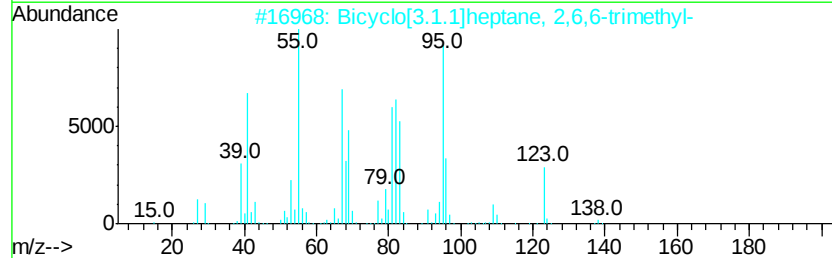
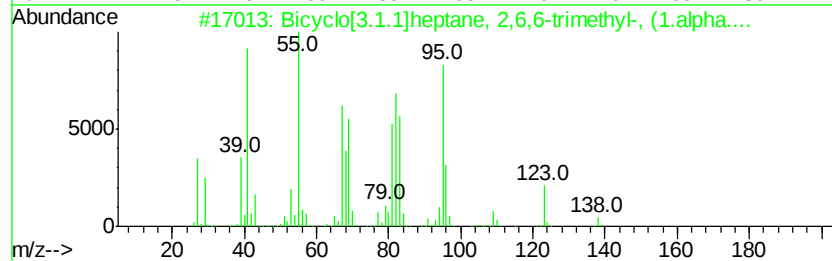
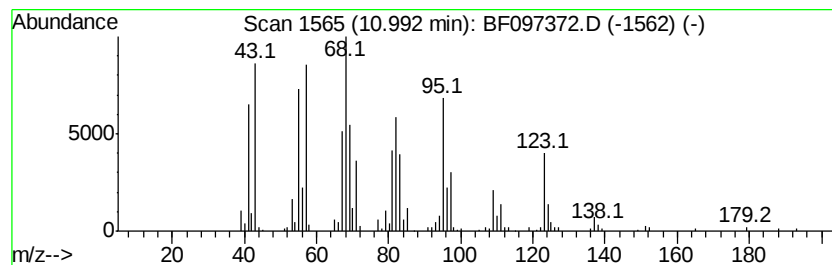
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Bicyclo[3.1.1]heptane, 2,6,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	8.34 ng	328294	Phenanthrene-d10	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	90
2		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	52
3		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	50
4		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	49
5		(-)-trans-Pinane	138	C10H18	033626-25-4	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097372.D
Acq On : 4 Aug 2017 22:55
Operator : SJ/JU
Sample : I4586-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HARDWICK-SOIL-COMP

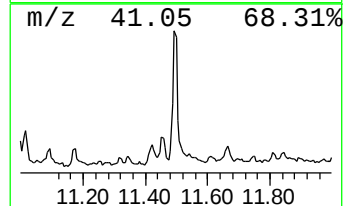
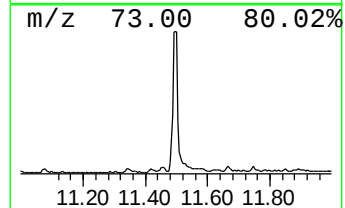
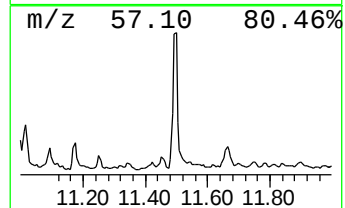
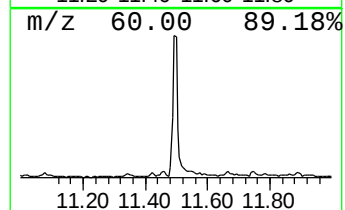
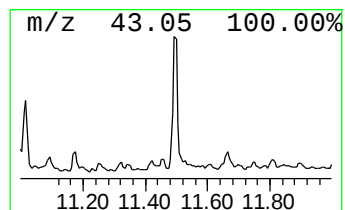
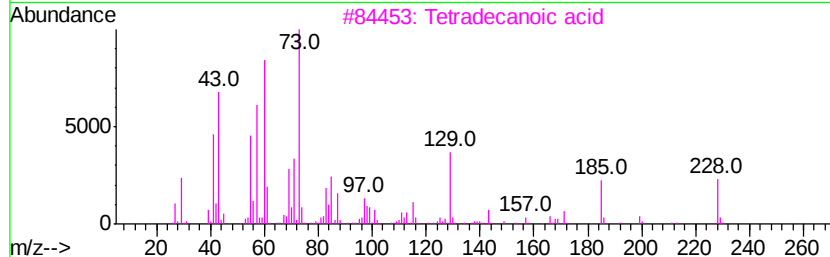
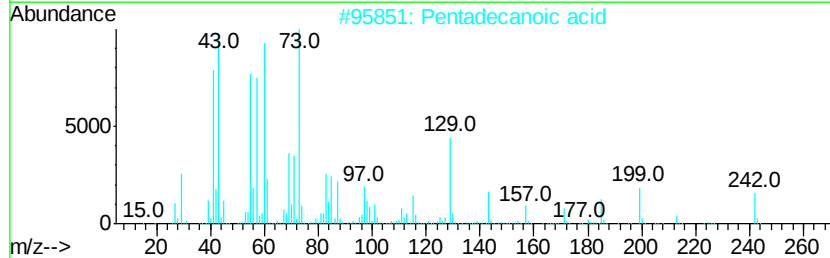
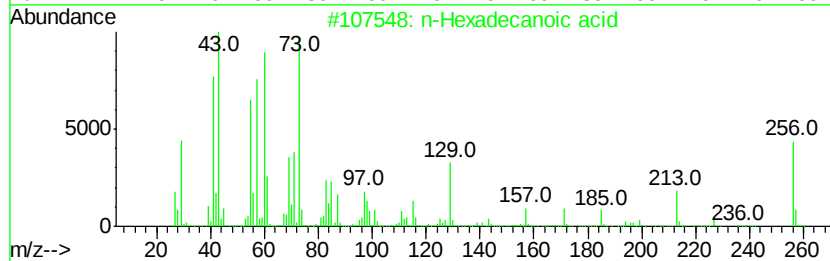
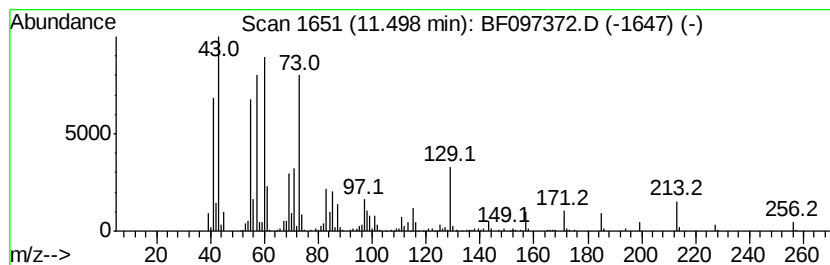
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	15.80 ng	621750	Phenanthrene-d10	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4	Tridecanoic acid	214	C13H26O2	000638-53-9	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097372.D
Acq On : 4 Aug 2017 22:55
Operator : SJ/JU
Sample : I4586-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
HARDWICK-SOIL-COMP

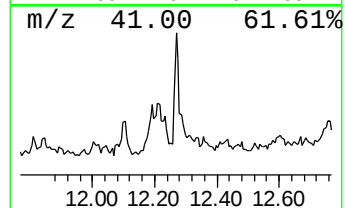
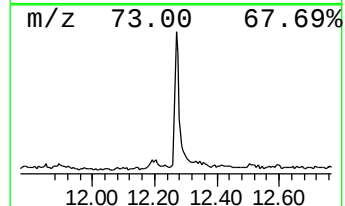
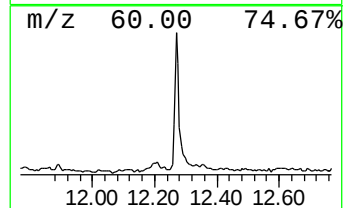
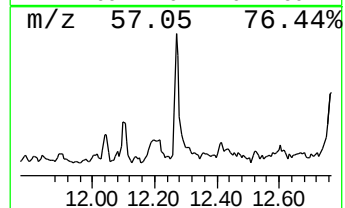
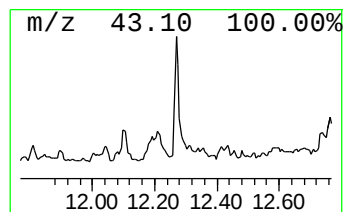
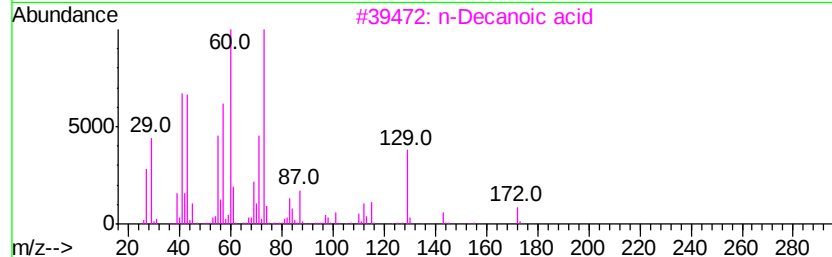
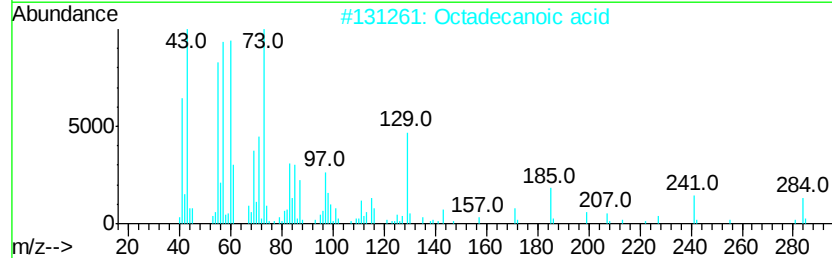
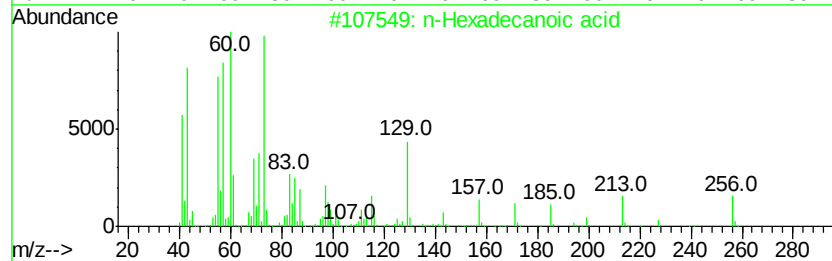
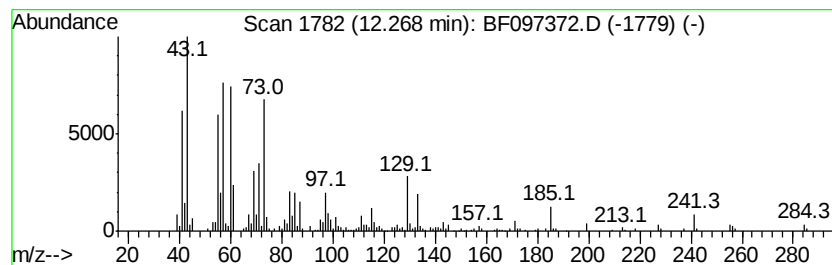
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	10.31 ng	410368	Chrysene-d12	13.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2			Octadecanoic acid	284	C18H36O2	000057-11-4	93
3			n-Decanoic acid	172	C10H20O2	000334-48-5	49
4			Undecanoic acid	186	C11H22O2	000112-37-8	47
5			Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	029926-41-8	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097372.D
Acq On : 4 Aug 2017 22:55
Operator : SJ/JU
Sample : I4586-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

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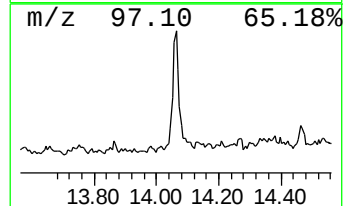
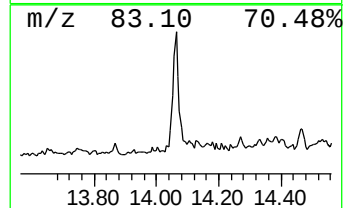
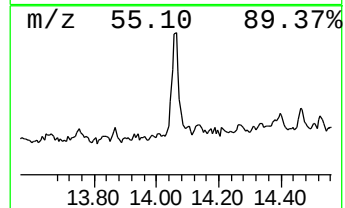
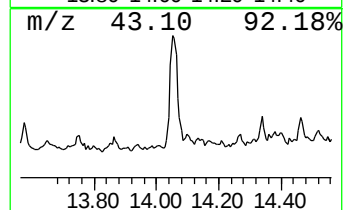
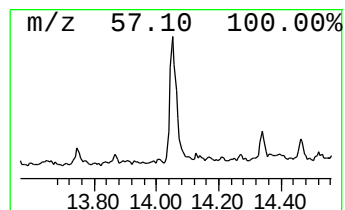
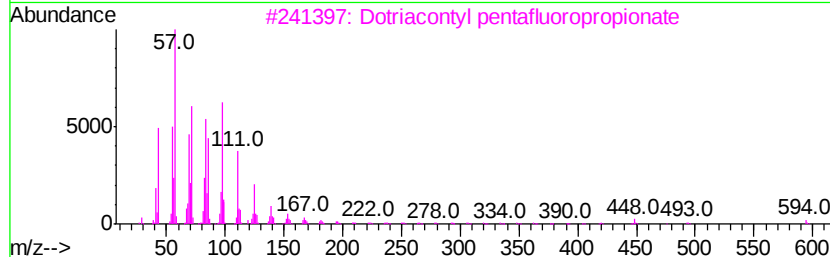
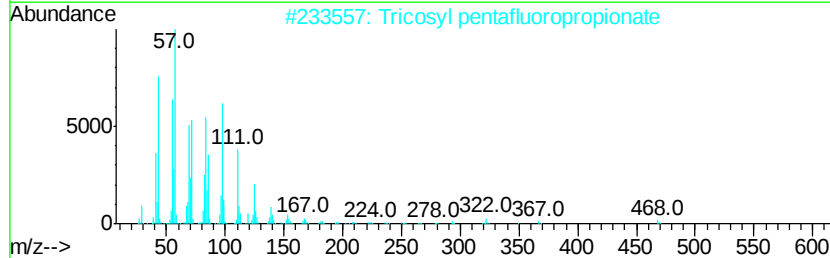
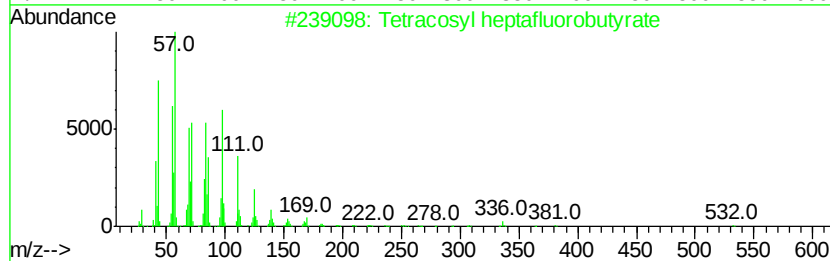
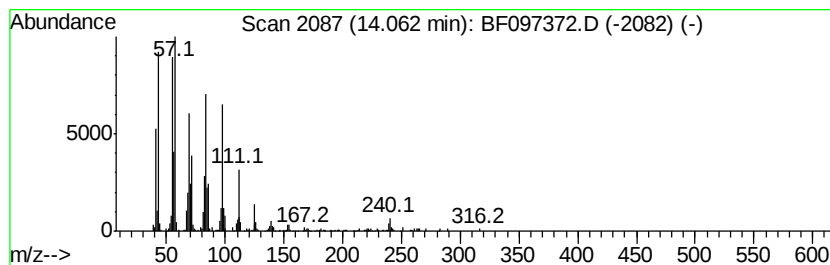
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tetracosyl heptafluorobutyrate Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	13.68 ng	544920	Chrysene-d12	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	91
2		Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	91
3		Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1000351-81-4	91
4		Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	91
5		Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
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Sample : I4586-01
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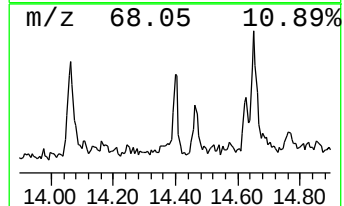
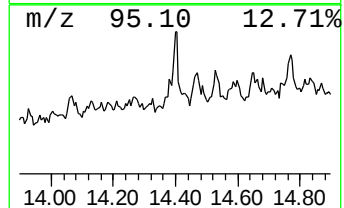
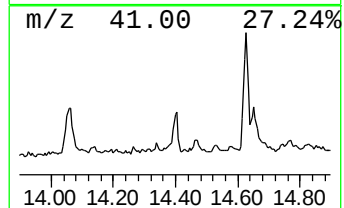
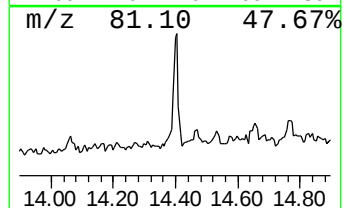
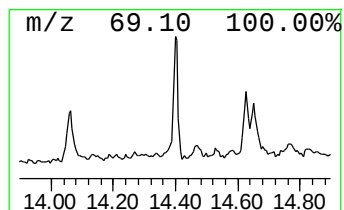
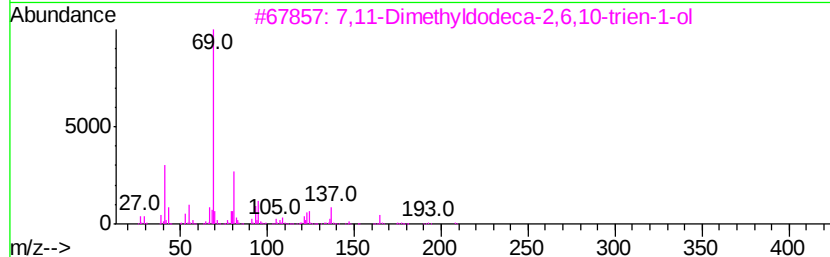
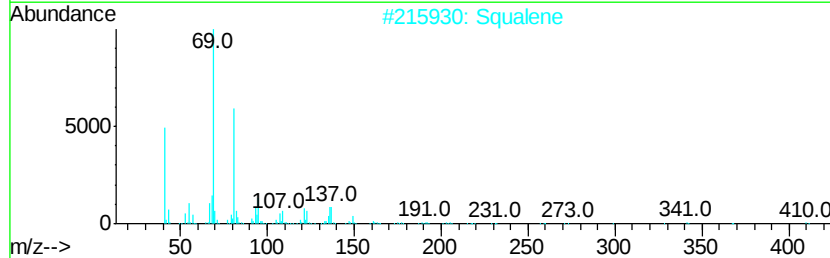
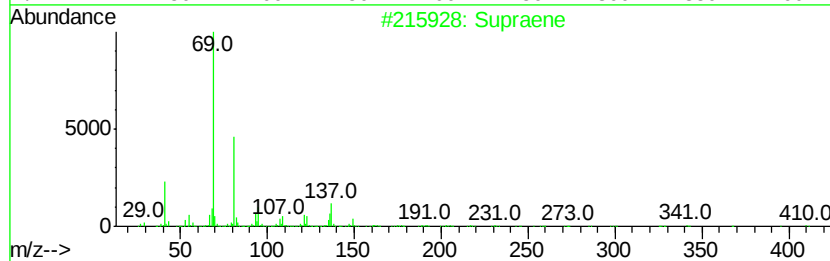
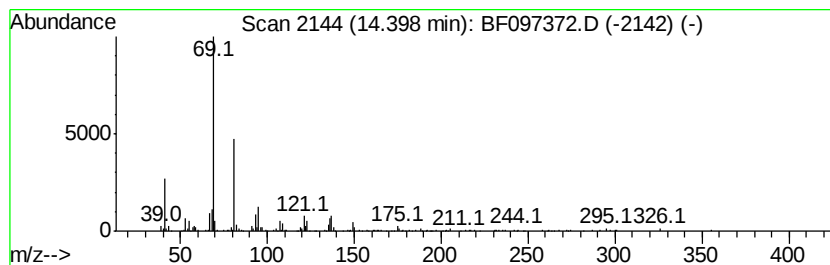
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Supraene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	8.66 ng	196360	Perylene-d12	14.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Supraene	410 C30H50	007683-64-9	90
2	Squalene	410 C30H50	000111-02-4	87
3	7,11-Dimethyldodeca-2,6,10-trien...	208 C14H24O	125529-10-4	64
4	2,6,10,14-Hexadecatetraenoic aci...	332 C22H36O2	024035-35-6	59
5	trans-Farnesol	222 C15H26O	000106-28-5	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
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Acq On : 4 Aug 2017 22:55
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Sample : I4586-01
Misc :
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ClientSampleId :
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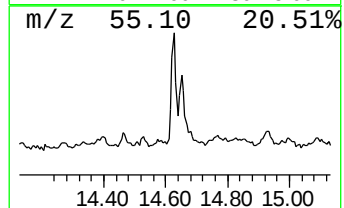
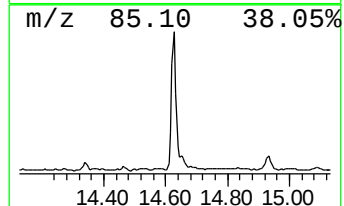
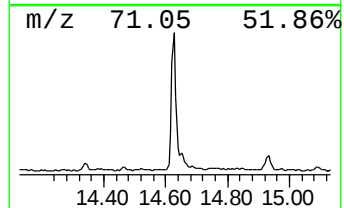
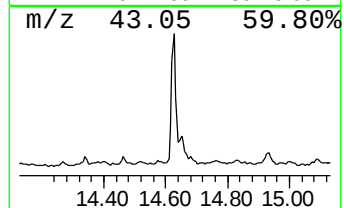
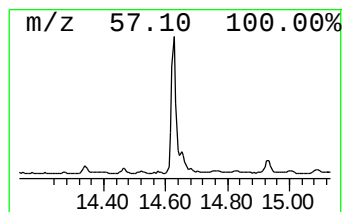
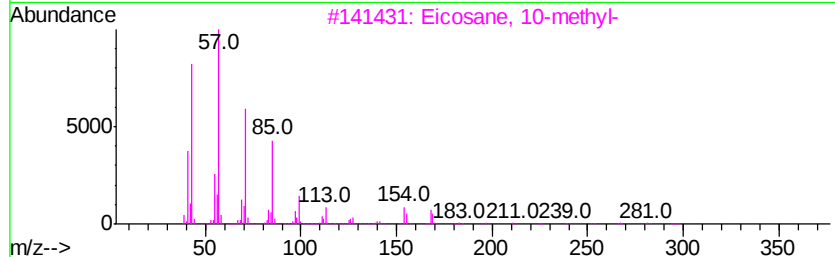
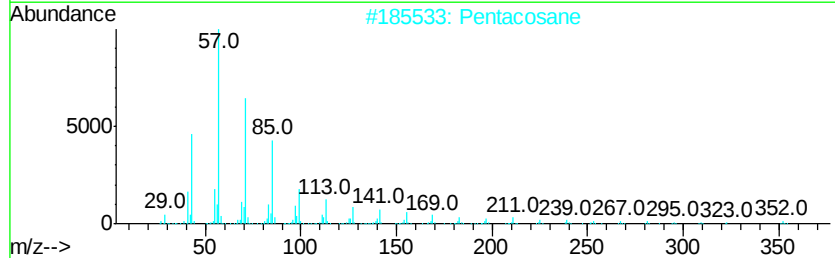
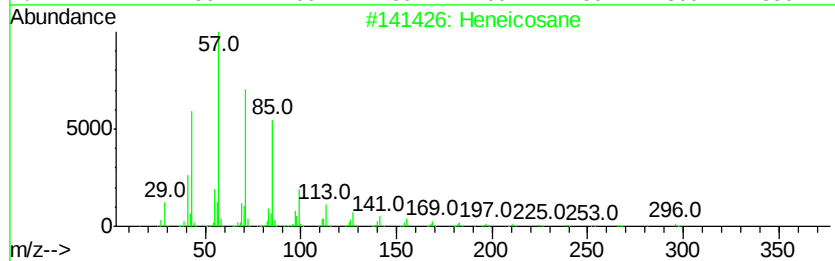
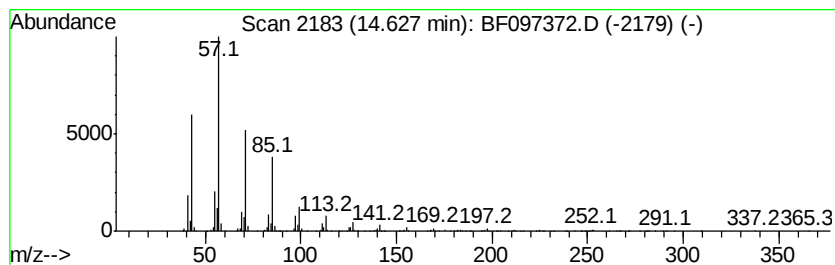
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	44.26 ng	1003690	Perylene-d12	14.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	90
2		Pentacosane	352	C25H52	000629-99-2	90
3		Eicosane, 10-methyl-	296	C21H44	054833-23-7	90
4		Hexacosane	366	C26H54	000630-01-3	90
5		Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097372.D
Acq On : 4 Aug 2017 22:55
Operator : SJ/JU
Sample : I4586-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

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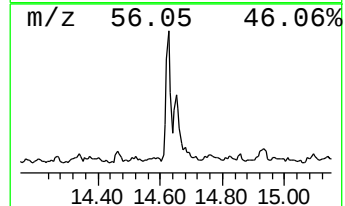
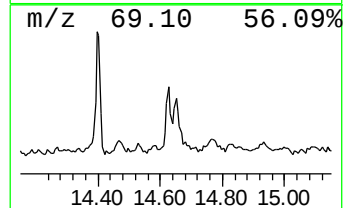
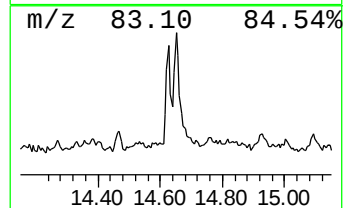
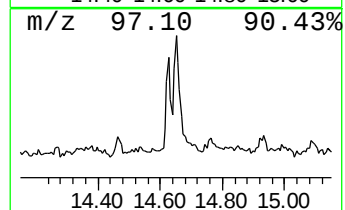
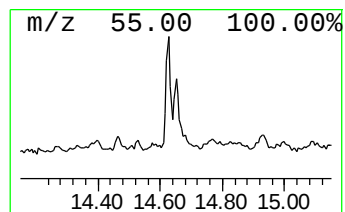
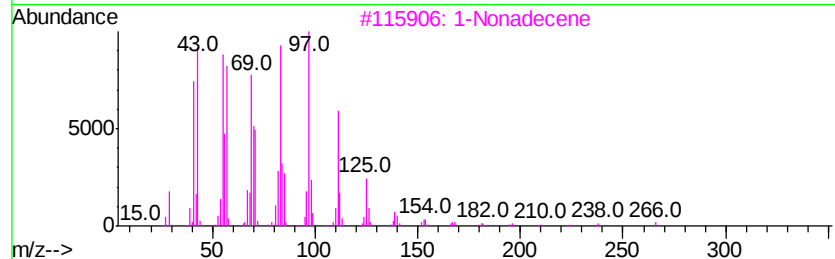
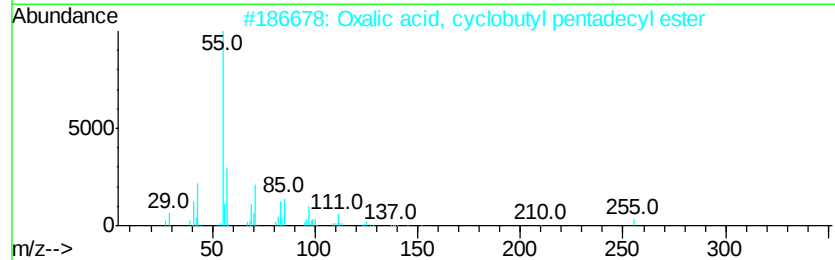
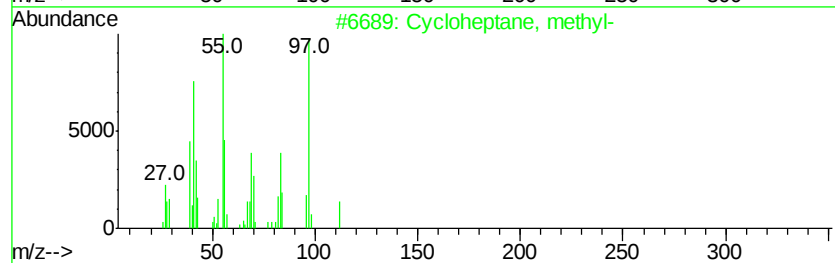
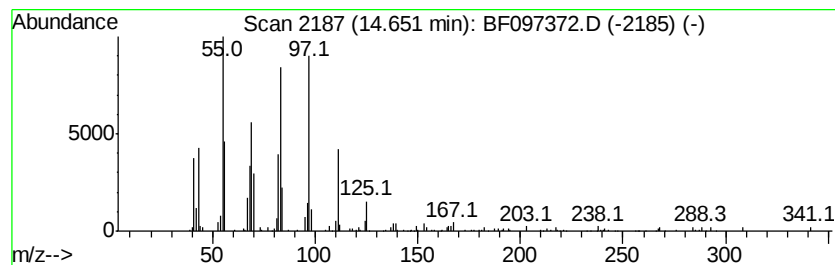
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cycloheptane, methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	14.56 ng	330212	Perylene-d12	14.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cycloheptane, methyl-	112	C8H16	004126-78-7	64
2		Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1000309-70-5	50
3		1-Nonadecene	266	C19H38	018435-45-5	47
4		Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	47
5		Cyclotetradecane	196	C14H28	000295-17-0	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097372.D
Acq On : 4 Aug 2017 22:55
Operator : SJ/JU
Sample : I4586-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
HARDWICK-SOIL-COMP

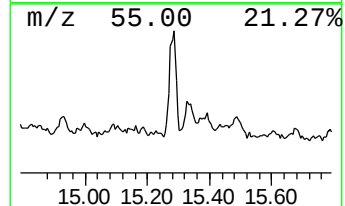
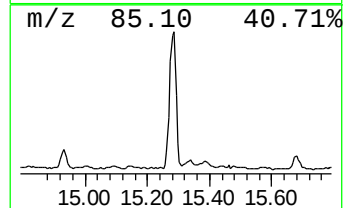
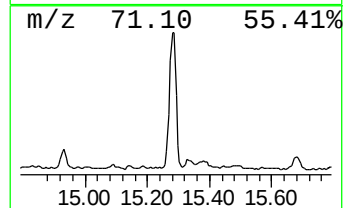
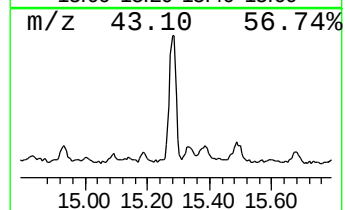
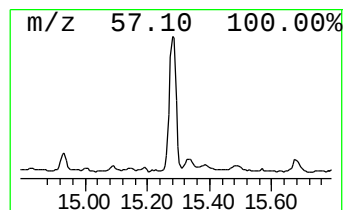
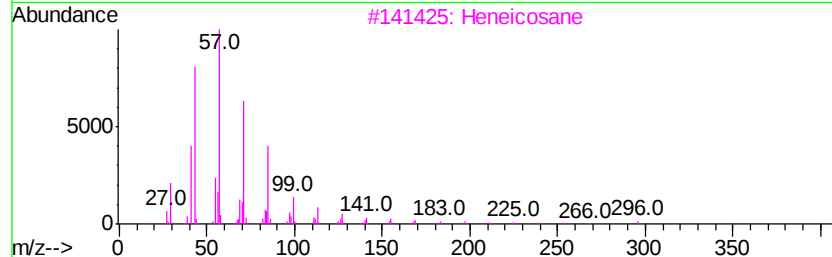
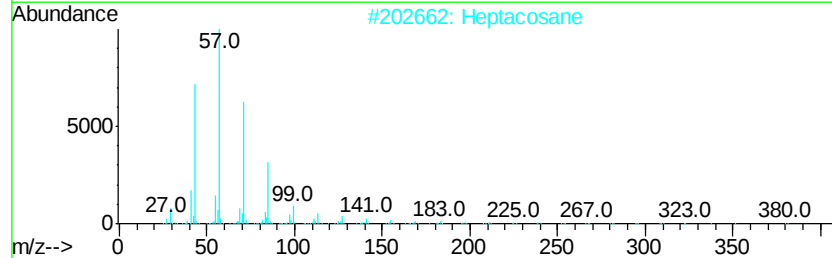
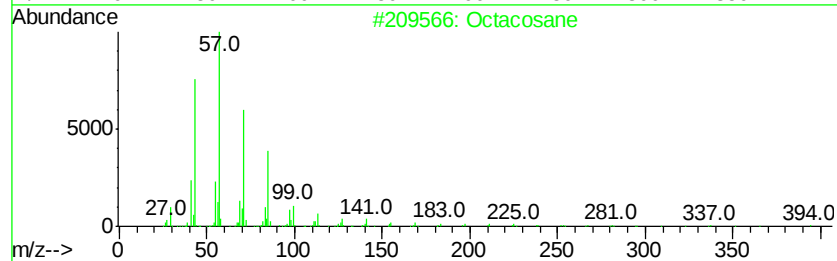
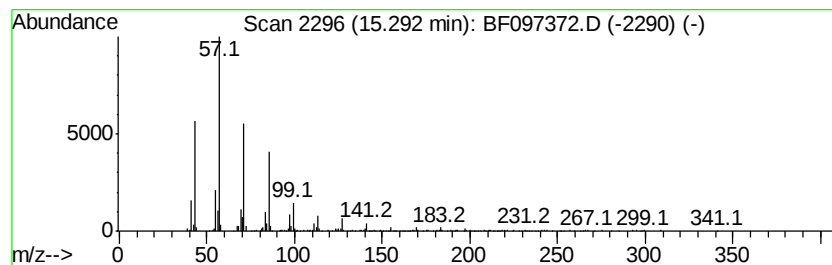
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Octacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	43.83 ng	993847	Perylene-d12	14.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	91
2		Heptacosane	380	C27H56	000593-49-7	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Tetracosane	338	C24H50	000646-31-1	91
5		Hentriacontane	437	C31H64	000630-04-6	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
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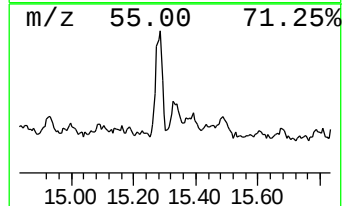
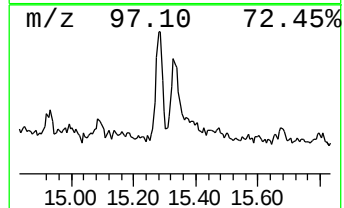
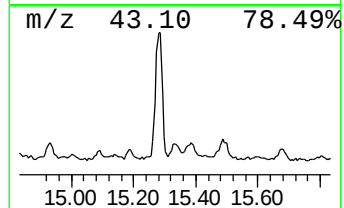
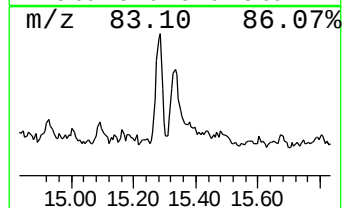
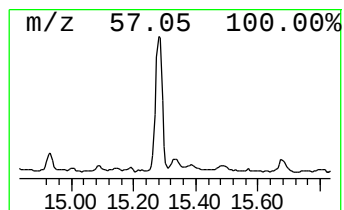
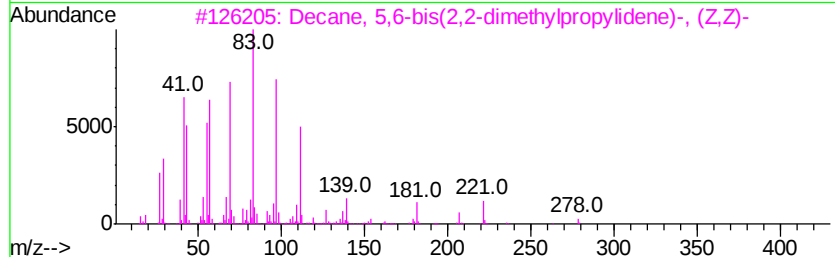
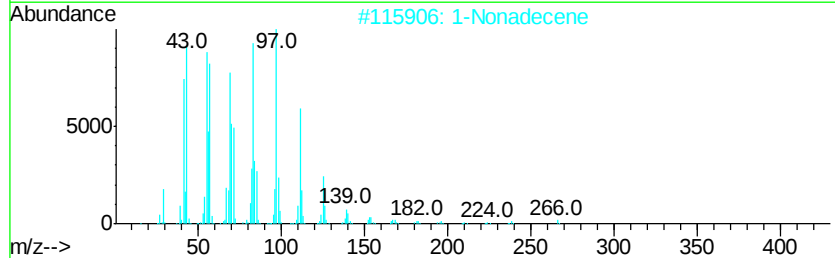
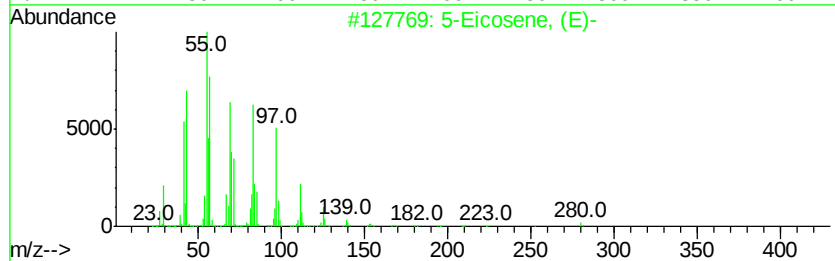
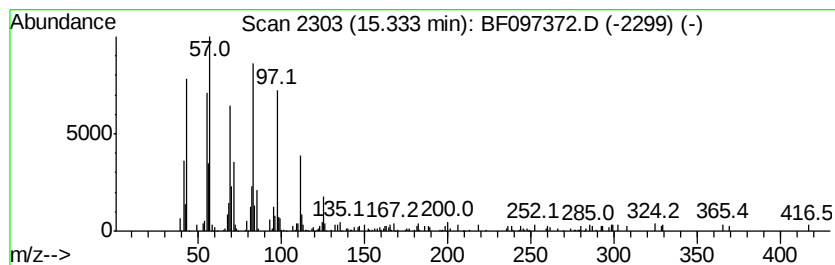
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 5-Eicosene, (E)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	9.80 ng	222308	Perylene-d12	14.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Eicosene, (E)-	280	C20H40	074685-30-6	74
2			1-Nonadecene	266	C19H38	018435-45-5	74
3			Decane, 5,6-bis(2,2-dimethylprop...	278	C20H38	073002-85-4	70
4			1-Heptadecene	238	C17H34	006765-39-5	64
5			1-Octadecene	252	C18H36	000112-88-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
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Sample : I4586-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

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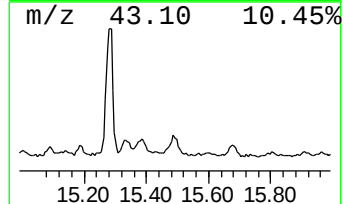
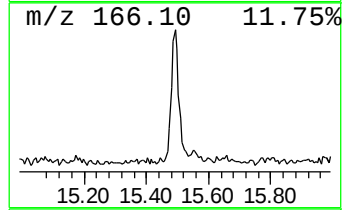
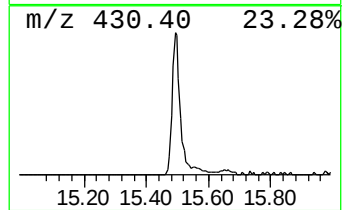
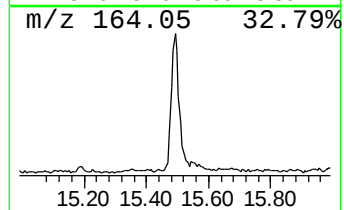
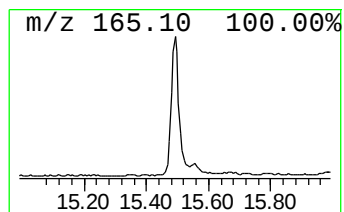
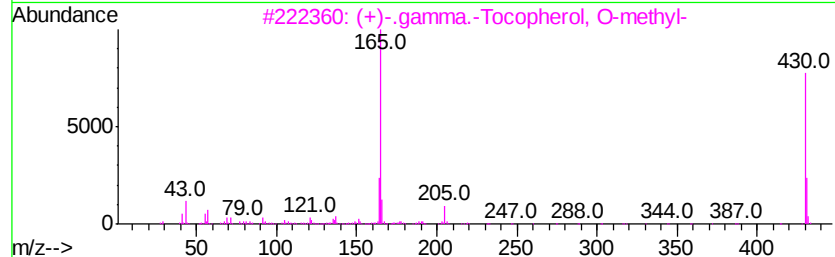
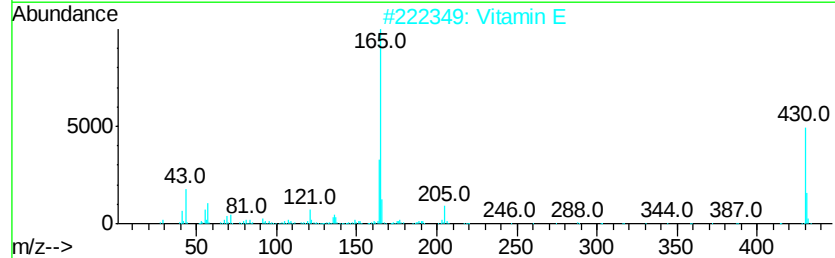
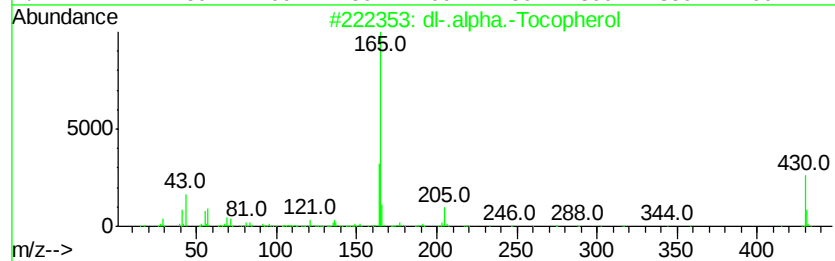
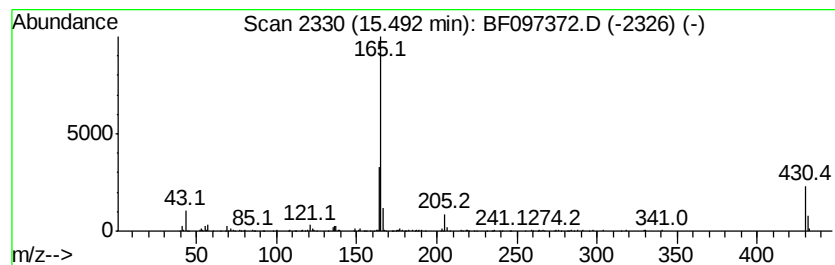
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 dl-.alpha.-Tocopherol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	19.87 ng	450613	Perylene-d12	14.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	95
2		Vitamin E	430	C29H50O2	000059-02-9	94
3		(+)-.gamma.-Tocopherol, O-methyl-	430	C29H50O2	1000374-72-2	93
4		4-Amino-3-methoxypprazolo[3,4-d]...	165	C6H7N5O	111375-22-5	59
5		Piperazine, 1-(3,4-dimethoxybenz...	430	C26H26N2O4	333756-87-9	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
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Sample : I4586-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

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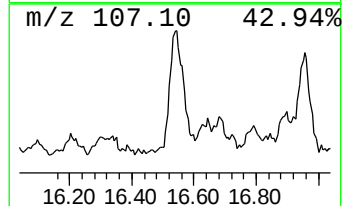
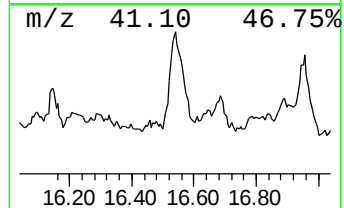
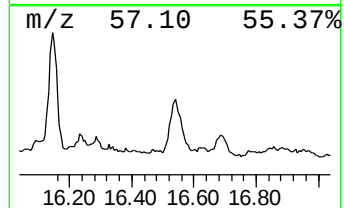
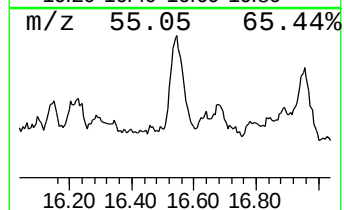
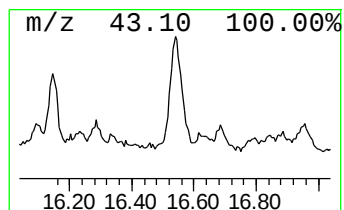
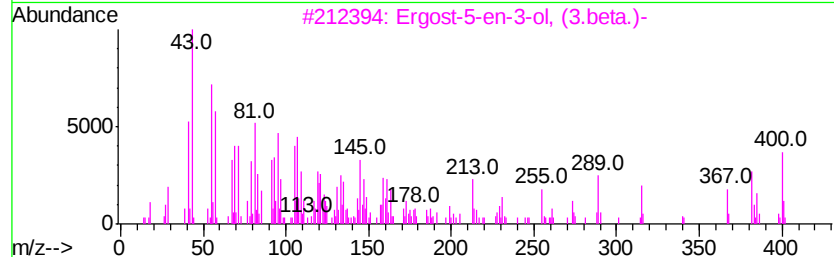
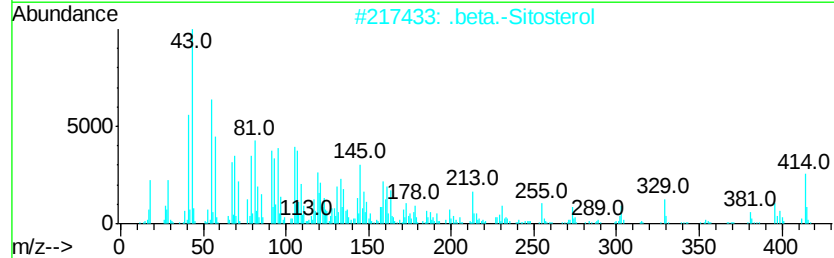
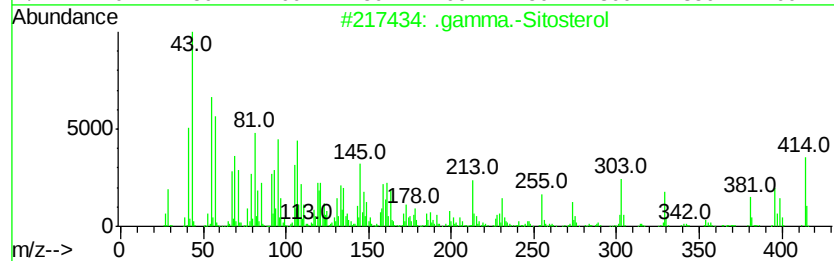
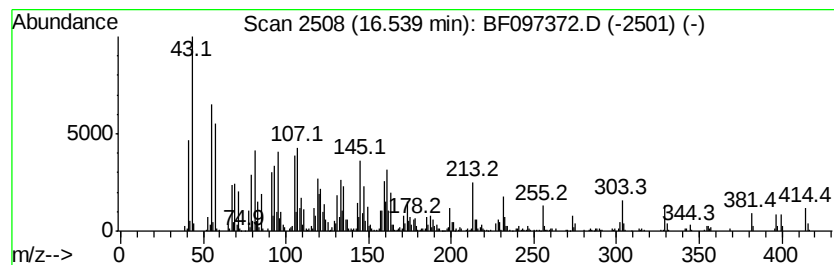
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 .gamma.-Sitosterol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	75.26 ng	1706710	Perylene-d12	14.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	97
2		.beta.-Sitosterol	414	C29H50O	000083-46-5	95
3		Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	40
4		.beta.-Sitosterol acetate	456	C31H52O2	000915-05-9	35
5		5-Cholesten-3.beta.-acetox-24-t...	460	C29H48O2S	1000253-09-1	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
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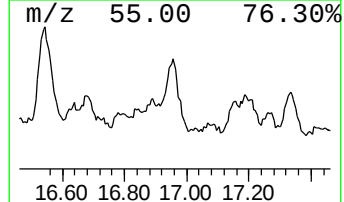
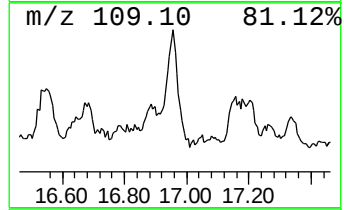
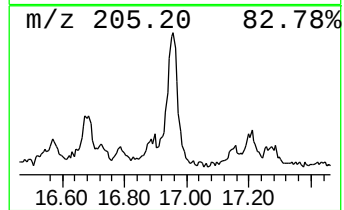
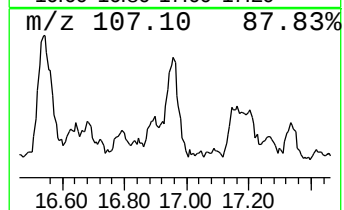
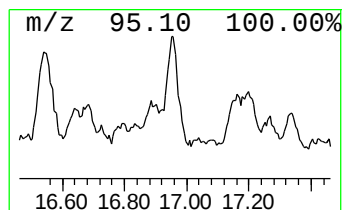
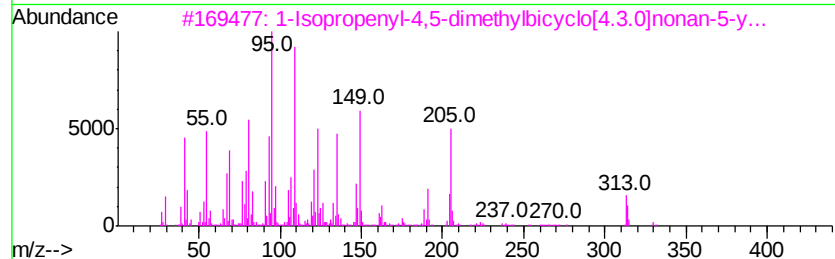
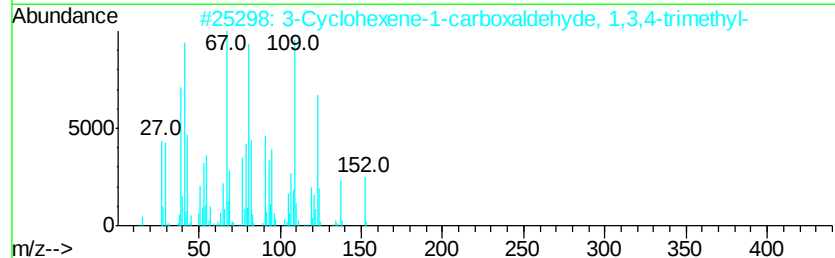
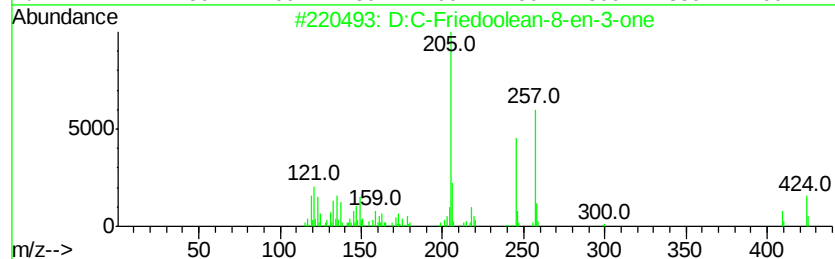
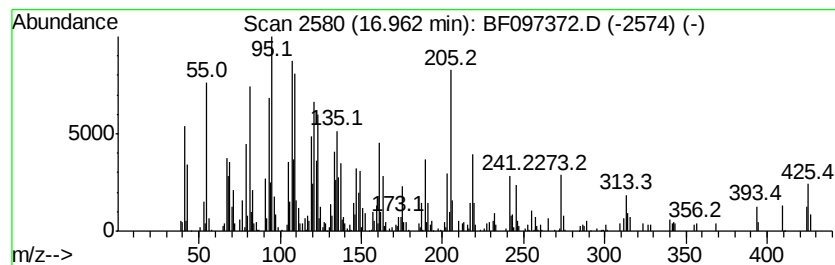
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 D:C-Friedoolean-8-en-3-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	52.89 ng	1199320	Perylene-d12	14.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	70
2		3-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	040702-26-9	38
3		1-Isopropenyl-4,5-dimethylbicycl...	330	C21H30OS	1000195-85-4	37
4		7-Heptadecyne, 17-chloro-	270	C17H31Cl	056554-75-7	32
5		2,6,6,9,2',6',6',9'-Octamethyl-[...]	410	C30H50	1000189-48-2	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
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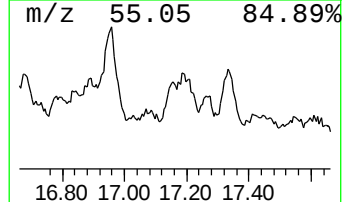
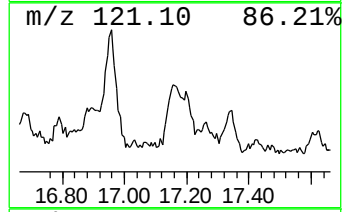
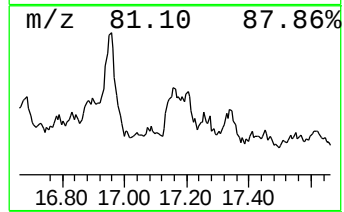
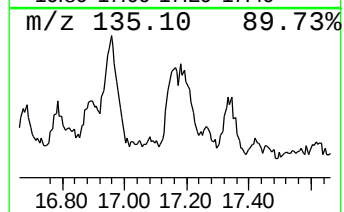
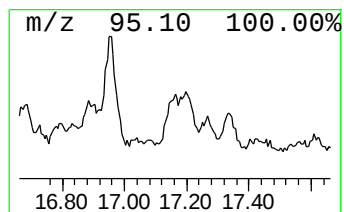
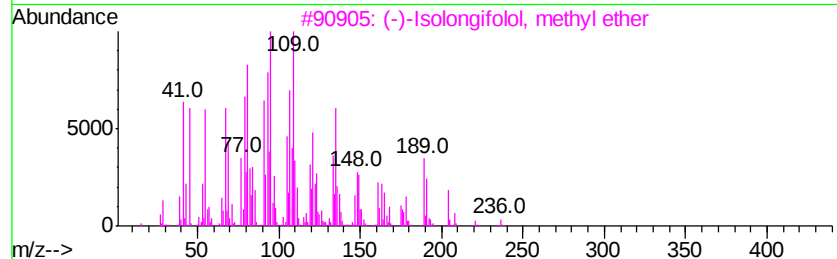
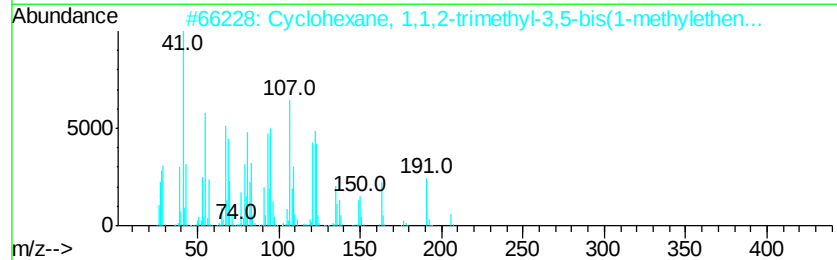
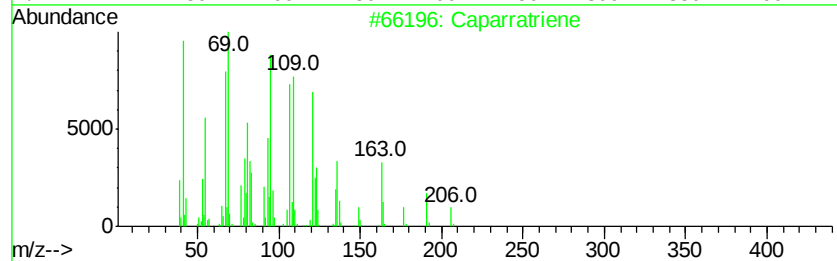
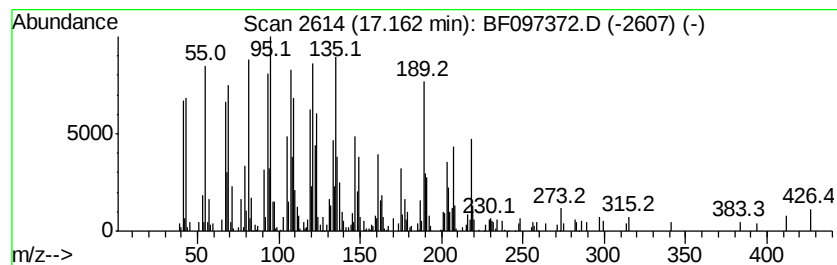
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Caparratriene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	21.37 ng	484525	Perylene-d12	14.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Caparratriene	206	C15H26	1000374-08-7	60
2		Cyclohexane, 1,1,2-trimethyl-3,5...	206	C15H26	062337-97-7	38
3		(-)-Isolongifolol, methyl ether	236	C16H28O	1000333-80-8	38
4		1-(2-Pyridyl)piperazine	163	C9H13N3	034803-66-2	30
5		Isoaromadendrene epoxide	220	C15H24O	1000159-36-6	30



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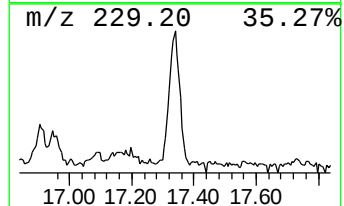
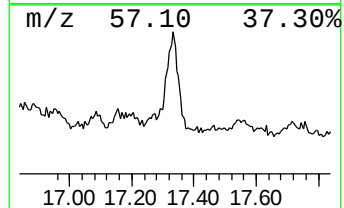
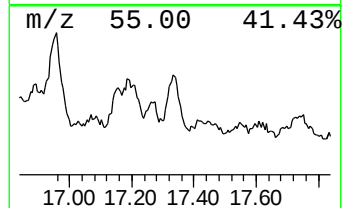
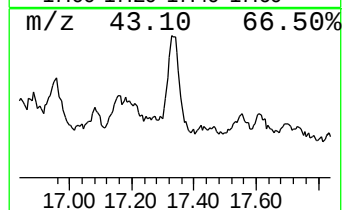
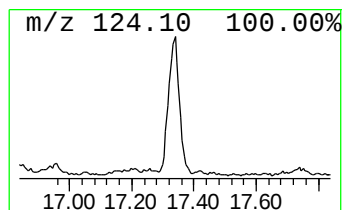
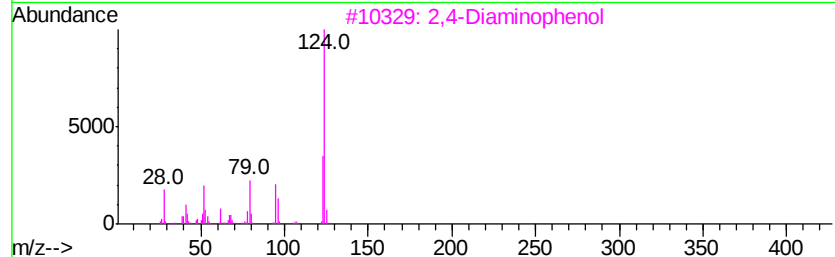
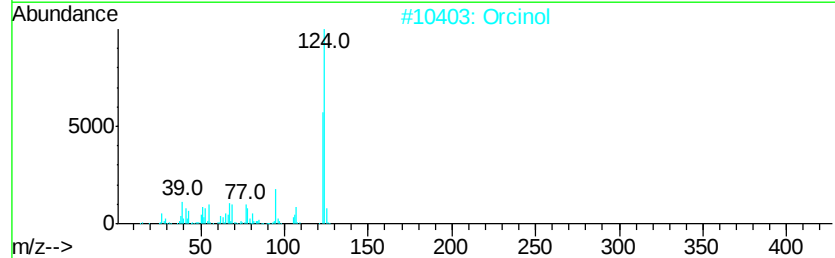
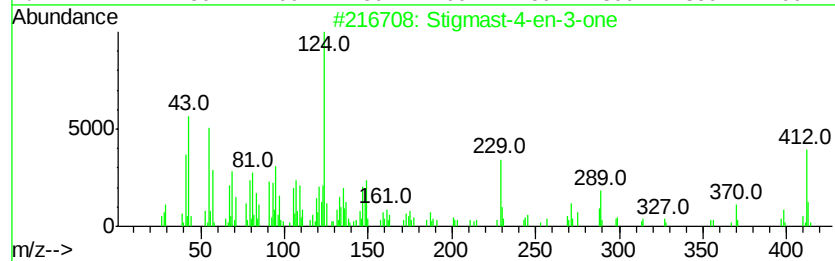
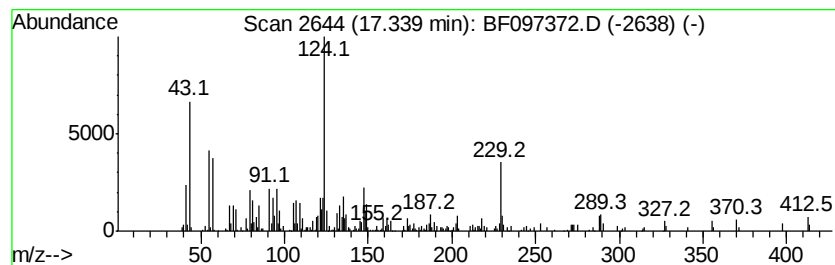
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Stigmast-4-en-3-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	30.25 ng	686029	Perylene-d12	14.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	94
2		Orcinol	124	C7H8O2	000504-15-4	49
3		2,4-Diaminophenol	124	C6H8N2O	000095-86-3	47
4		1,4-Benzenediol, 2-methyl-	124	C7H8O2	000095-71-6	47
5		Androst-4-en-3-one, 17-hydroxy-, ...	288	C19H28O2	000604-39-7	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097372.D
Acq On : 4 Aug 2017 22:55
Operator : SJ/JU
Sample : I4586-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HARDWICK-SOIL-COMP

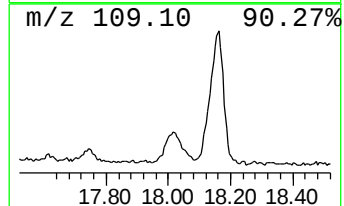
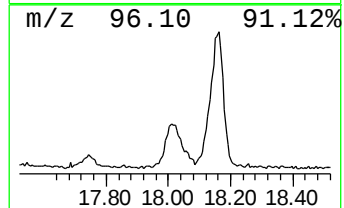
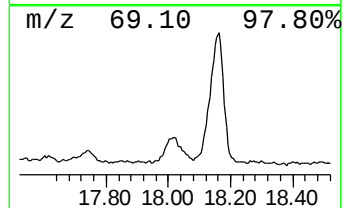
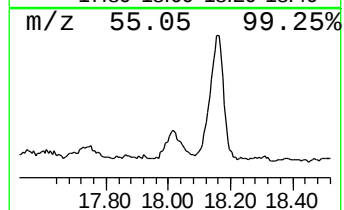
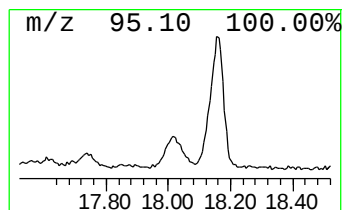
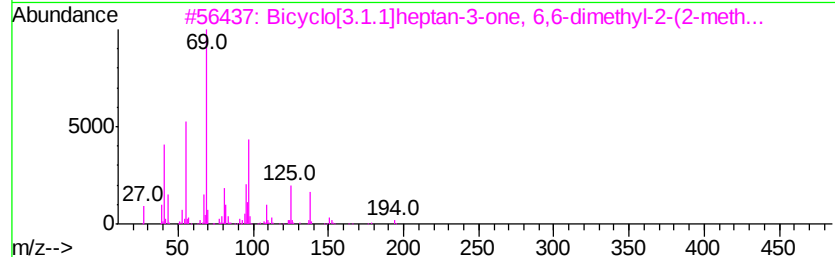
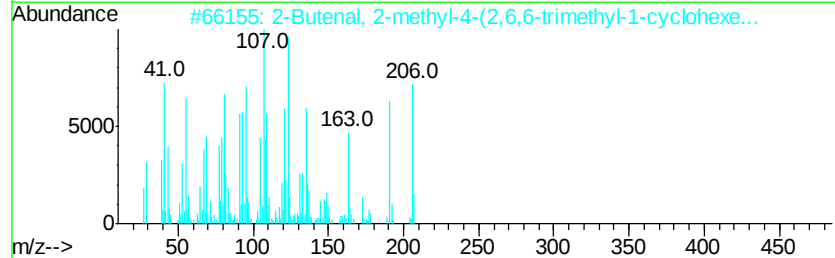
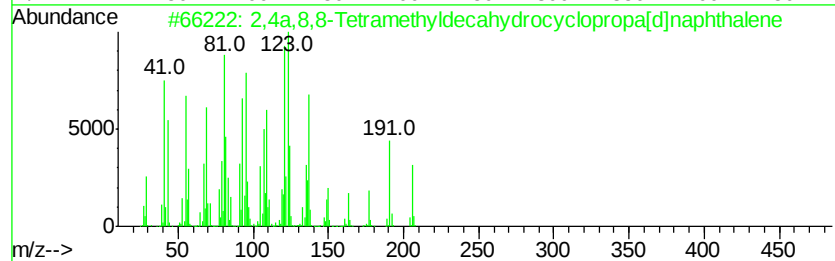
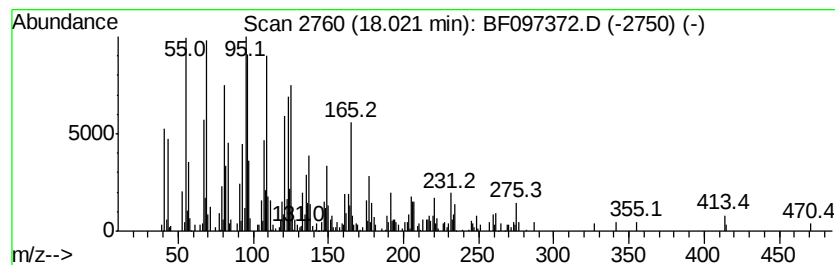
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 2,4a,8,8-Tetramethyldecahyd... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	35.67 ng	808952	Perylene-d12	14.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4a,8,8-Tetramethyldecahydrocyc...	206	C15H26	074022-04-1	55
2		2-Butenal, 2-methyl-4-(2,6,6-tri...	206	C14H22O	003155-71-3	55
3		Bicyclo[3.1.1]heptan-3-one, 6,6-...	194	C13H22O	1000163-97-9	38
4		Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	30
5		Diepicedrene-1-oxide	220	C15H24O	1000156-11-0	25



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Sample : I4586-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HARDWICK-SOIL-COMP

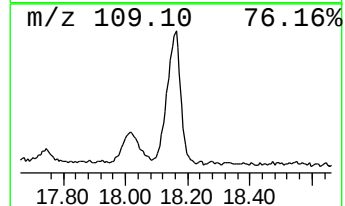
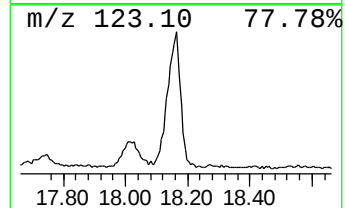
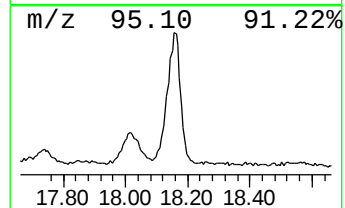
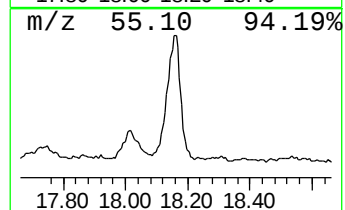
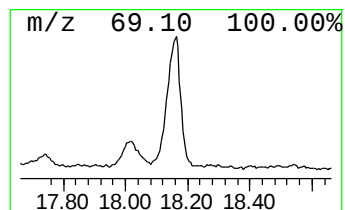
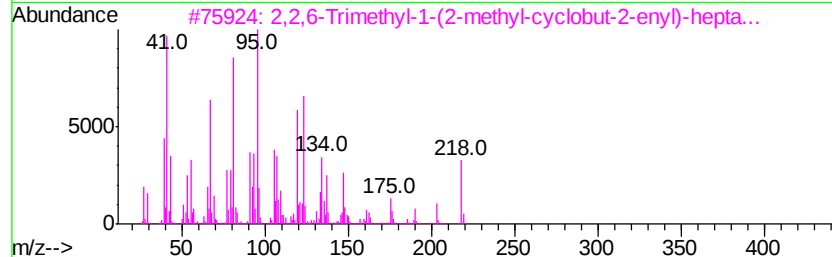
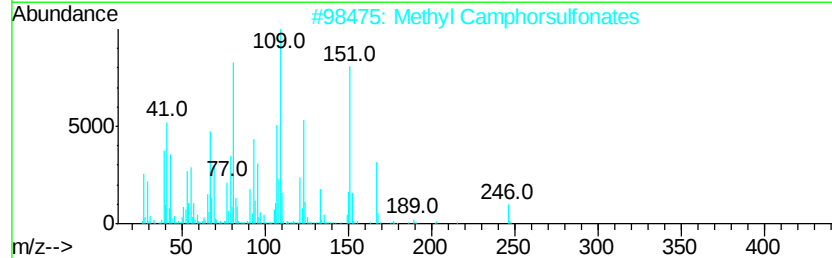
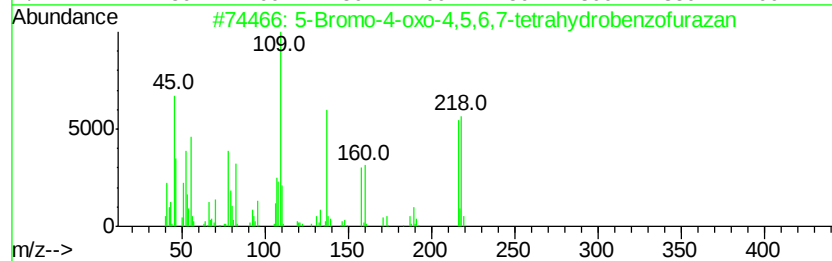
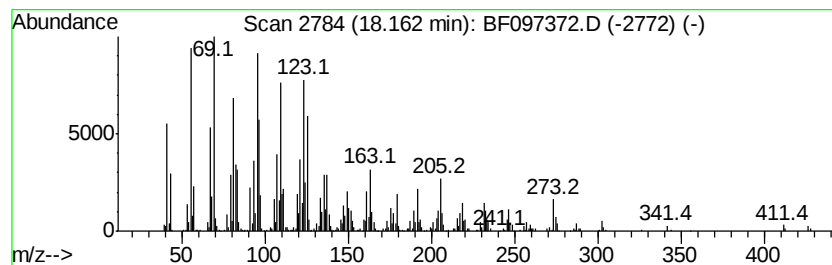
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 5-Bromo-4-oxo-4,5,6,7-tetra... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	132.46 ng	3003810	Perylene-d12	14.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	68
2		Methyl Camphorsulfonates	246	C11H18O4S	046471-67-4	55
3		2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	49
4		Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-90-8	42
5		3-Cyclopentylpropionic acid, but...	194	C12H18O2	1000292-46-4	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
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 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HARDWICK-SOIL-COMP

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...	4.56	12.4	ng	439806	1	6.44	709450	20.0
unknown6.22	6.22	60.8	ng	2157960	1	6.44	709450	20.0
o-Cymene	6.52	9.6	ng	339808	1	6.44	709450	20.0
Bicyclo[3.1.1]hep...	10.99	8.3	ng	328294	4	10.93	787221	20.0
n-Hexadecanoic acid	11.50	15.8	ng	621750	4	10.93	787221	20.0
Octadecanoic acid	12.27	10.3	ng	410368	5	13.55	796385	20.0
Tetracosyl hepta...	14.06	13.7	ng	544920	5	13.55	796385	20.0
Supraene	14.40	8.7	ng	196360	6	14.89	453527	20.0
Heneicosane	14.63	44.3	ng	1003690	6	14.89	453527	20.0
Cycloheptane, met...	14.65	14.6	ng	330212	6	14.89	453527	20.0
Octacosane	15.29	43.8	ng	993847	6	14.89	453527	20.0
5-Eicosene, (E)-	15.33	9.8	ng	222308	6	14.89	453527	20.0
dl-.alpha.-Tocoph...	15.49	19.9	ng	450613	6	14.89	453527	20.0
.gamma.-Sitosterol	16.54	75.3	ng	1706710	6	14.89	453527	20.0
D:C-Friedoolean-8...	16.96	52.9	ng	1199320	6	14.89	453527	20.0
Caparratriene	17.16	21.4	ng	484525	6	14.89	453527	20.0
Stigmast-4-en-3-one	17.34	30.3	ng	686029	6	14.89	453527	20.0
2,4a,8,8-Tetramet...	18.02	35.7	ng	808952	6	14.89	453527	20.0
5-Bromo-4-oxo-4,5...	18.16	132.5	ng	3003810	6	14.89	453527	20.0