

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102717\
 Data File : BF099878.D
 Acq On : 27 Oct 2017 15:39
 Operator : SJ/JU
 Sample : I6112-17
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5-MARION26KV-(2-3)

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-BF102317.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	4.387	388	391	409	rBV	54714	104222	4.35%	0.392%
2	5.010	495	497	514	rVB	258342	399429	16.66%	1.501%
3	5.375	556	559	563	rBV2	31739	35710	1.49%	0.134%
4	5.422	563	567	577	rBV	1681092	1729576	72.12%	6.498%
5	5.792	625	630	635	rBV4	20231	26815	1.12%	0.101%
6	6.028	665	670	673	rBV5	20779	35125	1.46%	0.132%
7	6.310	715	718	723	rBV2	28848	33951	1.42%	0.128%
8	6.439	736	740	753	rBV	1705632	1900805	79.26%	7.142%
9	6.569	758	762	767	rVB	2157352	1896722	79.09%	7.126%
10	6.616	767	770	773	rBV	67794	54204	2.26%	0.204%
11	6.792	797	800	806	rBV	652827	563776	23.51%	2.118%
12	6.951	823	827	835	rVB	1690176	1599017	66.68%	6.008%
13	7.116	848	855	861	rVB5	15326	32416	1.35%	0.122%
14	7.181	861	866	868	rBV4	22096	27089	1.13%	0.102%
15	7.363	893	897	906	rBV	1185285	1253369	52.26%	4.709%
16	8.045	1010	1013	1015	rBV	69457	57725	2.41%	0.217%
17	8.075	1015	1018	1021	rVV	875687	792909	33.06%	2.979%
18	8.122	1025	1026	1029	rVB	43569	28738	1.20%	0.108%
19	8.357	1059	1066	1071	rBV7	22791	38034	1.59%	0.143%
20	8.486	1084	1088	1093	rBV	60295	66509	2.77%	0.250%
21	8.639	1110	1114	1116	rBV	183228	182352	7.60%	0.685%
22	8.657	1116	1117	1120	rVB	79858	52365	2.18%	0.197%
23	8.792	1137	1140	1146	rBV	110308	96506	4.02%	0.363%
24	8.892	1152	1157	1159	rBV	70106	61805	2.58%	0.232%
25	9.157	1196	1202	1205	rBV	2595630	2398164	100.00%	9.010%
26	9.227	1209	1214	1217	rBV	87177	87307	3.64%	0.328%
27	9.257	1217	1219	1225	rBV3	22705	25986	1.08%	0.098%
28	9.357	1230	1236	1243	rBV2	17140	32666	1.36%	0.123%
29	9.422	1243	1247	1251	rBV	42197	60295	2.51%	0.227%
30	9.492	1256	1259	1262	rBV	61804	73669	3.07%	0.277%
31	9.522	1262	1264	1266	rVV	37098	39618	1.65%	0.149%
32	9.557	1266	1270	1275	rVB	903734	818839	34.14%	3.076%
33	9.610	1276	1279	1281	rBV2	34081	33869	1.41%	0.127%
34	9.698	1291	1294	1296	rBV2	33977	33087	1.38%	0.124%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.757	1302	1304	1306	rVB	79673	53418	2.23%	0.201%
36	9.839	1311	1318	1321	rVV	944696	899588	37.51%	3.380%
37	9.869	1321	1323	1326	rVB2	37483	41428	1.73%	0.156%
38	9.939	1331	1335	1339	rBV	31186	41204	1.72%	0.155%
39	9.986	1339	1343	1346	rBV4	23138	34966	1.46%	0.131%
40	10.045	1350	1353	1356	rVB2	56685	61560	2.57%	0.231%
41	10.080	1356	1359	1363	rVB2	56532	53158	2.22%	0.200%
42	10.151	1367	1371	1374	rBV2	50488	64295	2.68%	0.242%
43	10.186	1374	1377	1382	rVB	51361	62936	2.62%	0.236%
44	10.239	1382	1386	1387	rBV3	52291	63322	2.64%	0.238%
45	10.257	1387	1389	1393	rVB2	84512	73737	3.07%	0.277%
46	10.339	1401	1403	1406	rVB	43308	32913	1.37%	0.124%
47	10.380	1407	1410	1411	rBV	39873	39051	1.63%	0.147%
48	10.557	1433	1440	1443	rBV	807883	768008	32.02%	2.885%
49	10.639	1449	1454	1457	rBV	1100996	1126144	46.96%	4.231%
50	10.745	1467	1472	1475	rBV3	140902	205669	8.58%	0.773%
51	10.798	1479	1481	1483	rBV	34480	28124	1.17%	0.106%
52	10.939	1500	1505	1507	rBV4	40673	56693	2.36%	0.213%
53	11.016	1516	1518	1521	rVB3	35717	37810	1.58%	0.142%
54	11.069	1522	1527	1529	rBV4	47179	72044	3.00%	0.271%
55	11.145	1536	1540	1543	rBV3	36362	53350	2.22%	0.200%
56	11.180	1543	1546	1549	rVV	94549	97880	4.08%	0.368%
57	11.227	1553	1554	1558	rVB2	42067	33421	1.39%	0.126%
58	11.333	1568	1572	1574	rBV	925039	815434	34.00%	3.064%
59	11.357	1574	1576	1581	rVB	258736	210008	8.76%	0.789%
60	11.410	1583	1585	1587	rBV	40520	33935	1.42%	0.127%
61	11.492	1596	1599	1602	rVV2	50517	49690	2.07%	0.187%
62	11.521	1602	1604	1608	rVB	38164	27805	1.16%	0.104%
63	11.604	1616	1618	1623	rVB3	79531	72188	3.01%	0.271%
64	11.833	1655	1657	1659	rBV	127795	133083	5.55%	0.500%
65	11.863	1659	1662	1665	rVB2	213387	247708	10.33%	0.931%
66	11.945	1674	1676	1679	rVV2	116122	90690	3.78%	0.341%
67	11.968	1679	1680	1685	rVB	57990	44716	1.86%	0.168%
68	12.016	1685	1688	1692	rBV2	62781	64443	2.69%	0.242%
69	12.127	1704	1707	1712	rBV2	99432	120247	5.01%	0.452%
70	12.310	1736	1738	1741	rVB	68315	54066	2.25%	0.203%
71	12.339	1741	1743	1745	rVB	56127	39199	1.63%	0.147%

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72	12.386	1748	1751	1753	rBV	134919	136919	5.71%	0.514%
73	12.445	1759	1761	1763	rVB	43135	32172	1.34%	0.121%
74	12.468	1763	1765	1770	rBV3	39458	57457	2.40%	0.216%
75	12.551	1776	1779	1783	rBV	389731	356989	14.89%	1.341%
76	12.592	1783	1786	1788	rVV	56293	49297	2.06%	0.185%
77	12.639	1791	1794	1802	rVB4	95513	134852	5.62%	0.507%
78	12.780	1813	1818	1824	rBV	361198	433246	18.07%	1.628%
79	12.833	1825	1827	1830	rVB	65369	55232	2.30%	0.208%
80	12.921	1837	1842	1845	rBV	1773624	1712397	71.40%	6.434%
81	12.992	1852	1854	1860	rVB4	54460	89945	3.75%	0.338%
82	13.051	1862	1864	1866	rVB2	38464	27044	1.13%	0.102%
83	13.115	1872	1875	1876	rBV	46271	41612	1.74%	0.156%
84	13.310	1906	1908	1911	rBV	53367	50986	2.13%	0.192%
85	13.598	1954	1957	1960	rBV2	65387	65546	2.73%	0.246%
86	13.739	1979	1981	1983	rBV2	39069	36814	1.54%	0.138%
87	13.798	1988	1991	1996	rVB4	100331	130179	5.43%	0.489%
88	13.986	2019	2023	2026	rBV2	637641	726320	30.29%	2.729%
89	14.010	2026	2027	2030	rVB	176819	135082	5.63%	0.508%
90	14.092	2039	2041	2044	rBV2	34098	32731	1.36%	0.123%
91	14.121	2044	2046	2049	rVB2	41681	34005	1.42%	0.128%
92	14.357	2084	2086	2087	rBV2	37157	28781	1.20%	0.108%
93	14.410	2093	2095	2097	rBV	50577	53511	2.23%	0.201%
94	15.033	2198	2201	2203	rBV	184252	225170	9.39%	0.846%
95	15.333	2249	2252	2257	rBV	116460	143219	5.97%	0.538%
96	15.404	2260	2264	2266	rBV	152805	190075	7.93%	0.714%
97	15.462	2270	2274	2278	rVB	391996	467484	19.49%	1.756%
98	15.851	2338	2340	2345	rVB	52761	59311	2.47%	0.223%
99	16.951	2519	2527	2533	rVB2	94925	266740	11.12%	1.002%
100	17.403	2599	2604	2613	rBV2	72253	166420	6.94%	0.625%

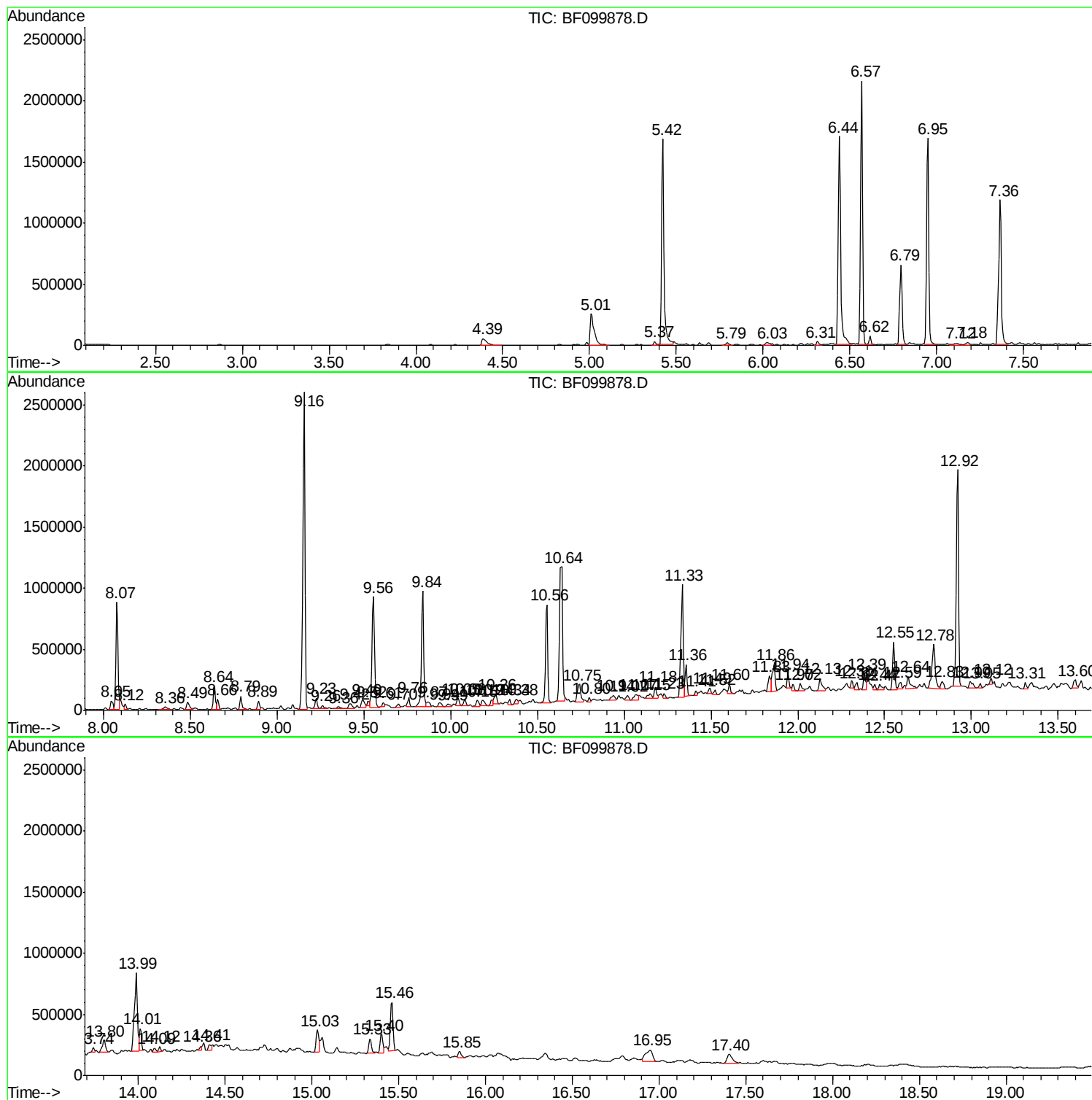
Sum of corrected areas: 26616136

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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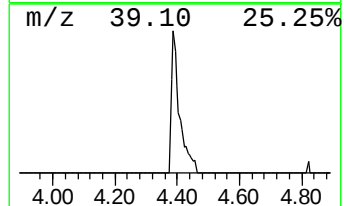
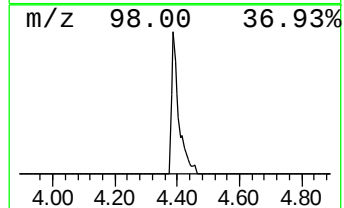
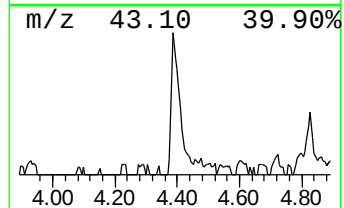
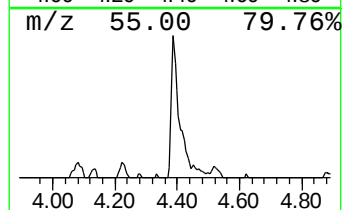
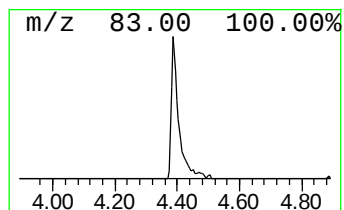
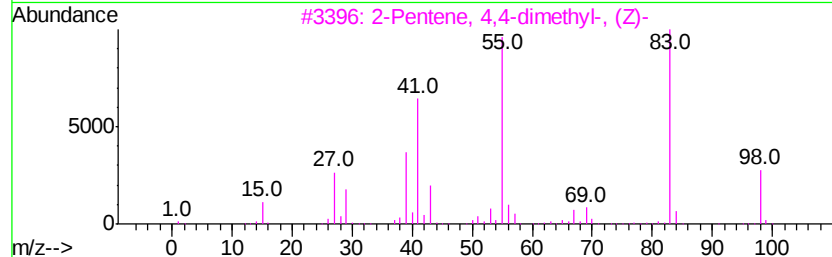
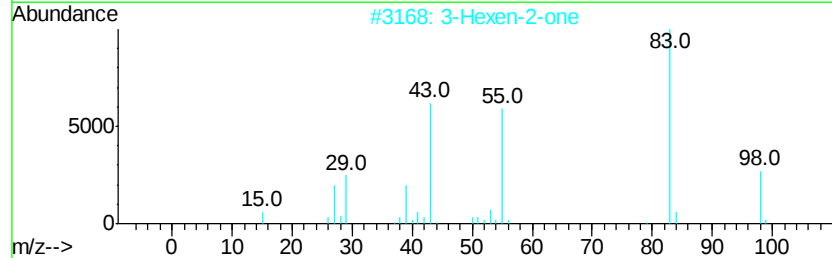
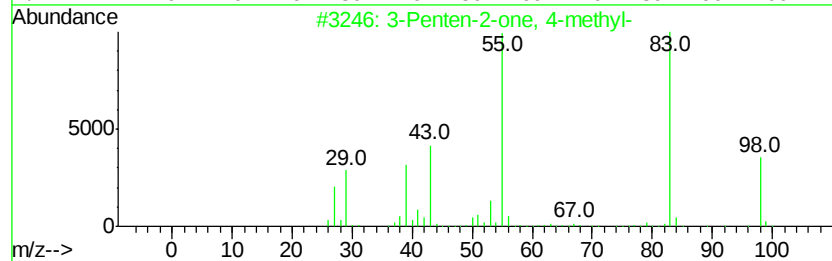
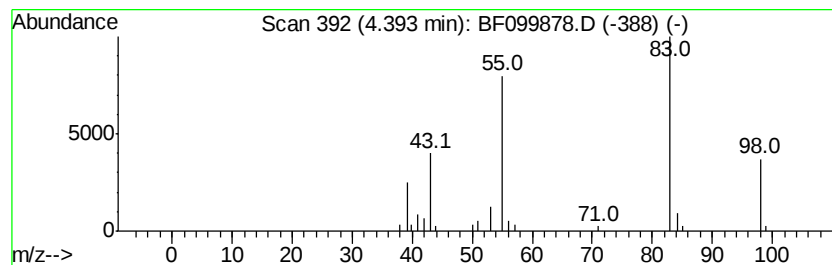
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	3.70 ng	104222	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	90
2		3-Hexen-2-one	98	C6H10O	000763-93-9	90
3		2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	86
4		2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86
5		2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	86



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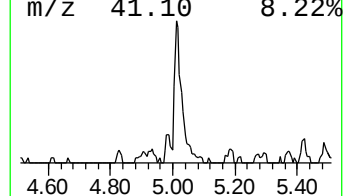
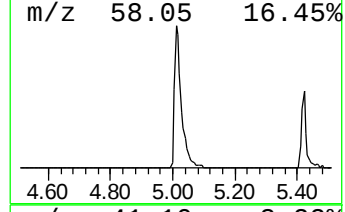
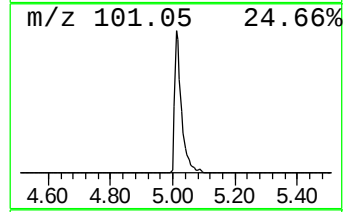
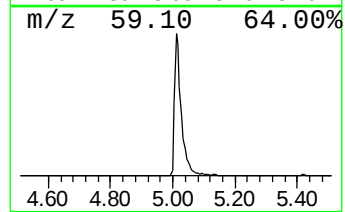
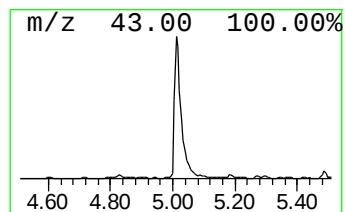
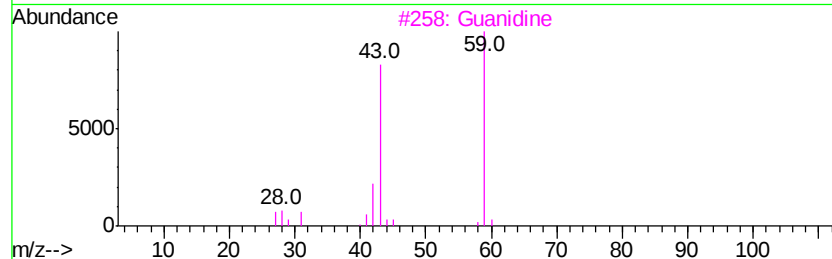
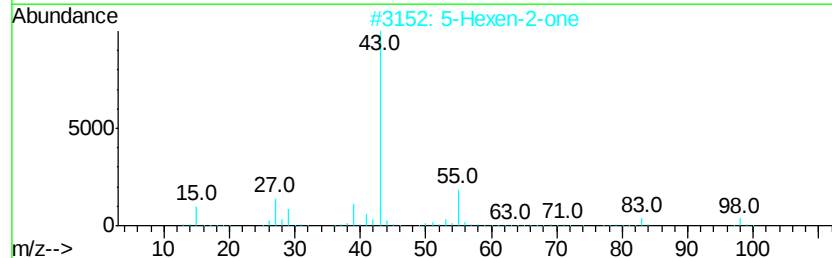
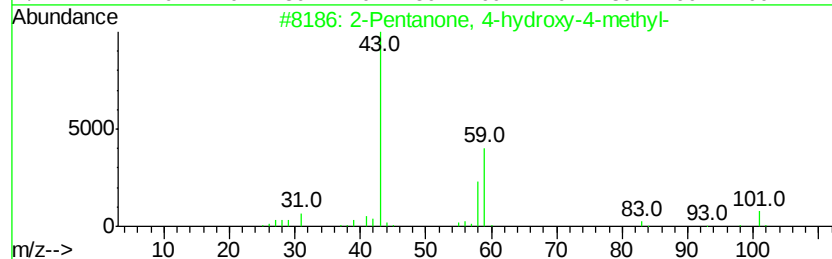
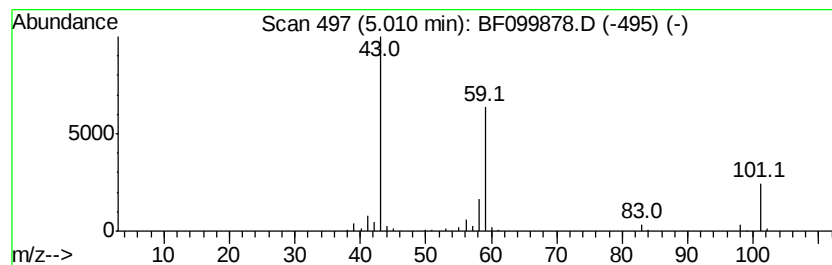
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	14.17 ng	399429	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2		5-Hexen-2-one	98	C6H10O	000109-49-9	9
3		Guanidine	59	CH5N3	000113-00-8	9
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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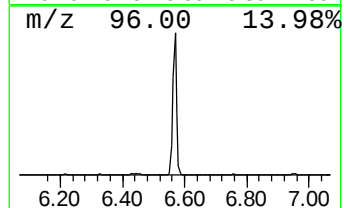
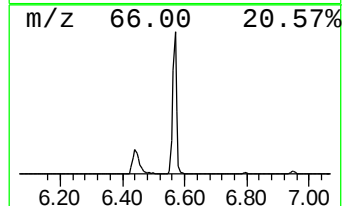
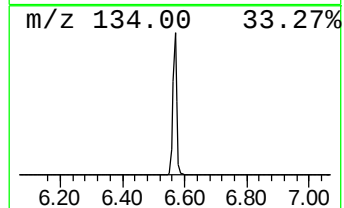
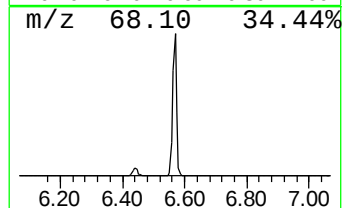
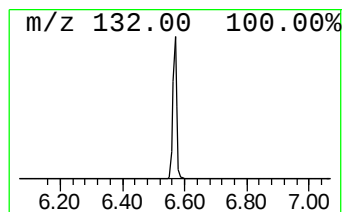
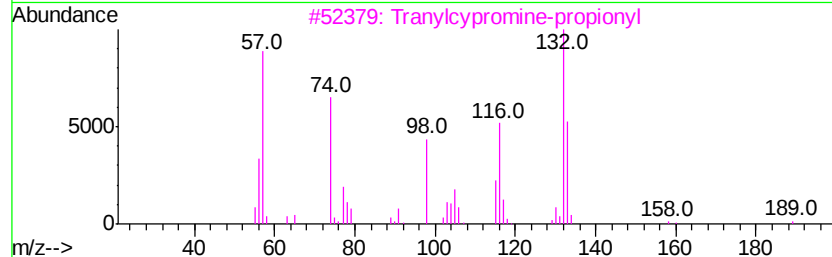
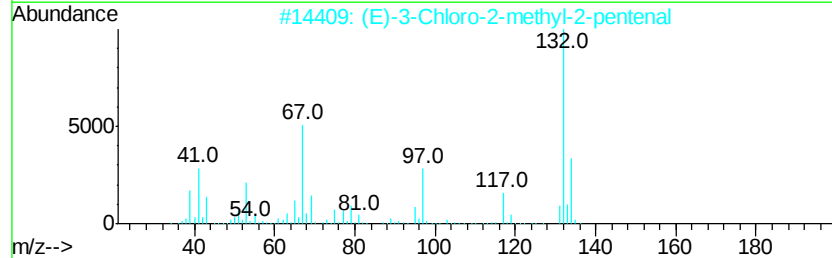
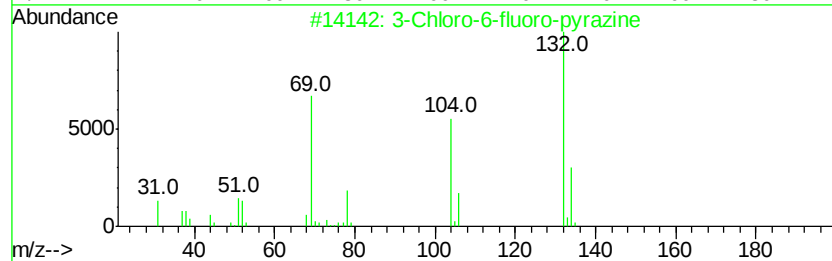
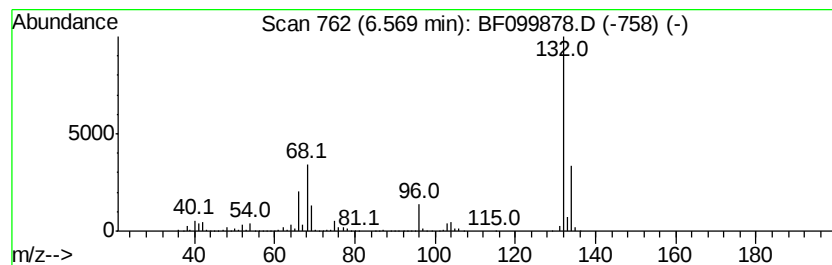
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	67.29 ng	1896720	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcvpromine-propionyl	189	C12H15NO	1000123-86-3	12
4		Xenon	132	Xe	007440-63-3	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099878.D
Acq On : 27 Oct 2017 15:39
Operator : SJ/JU
Sample : I6112-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
5-MARION26KV-(2-3)

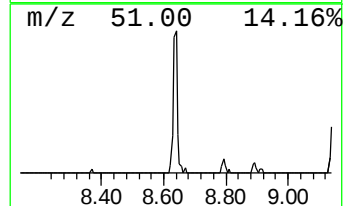
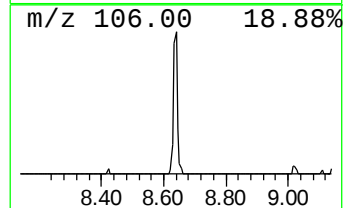
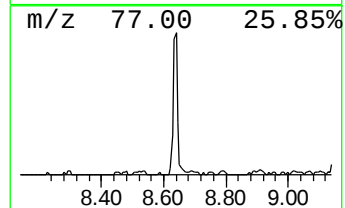
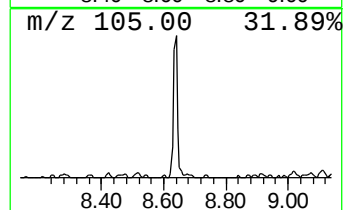
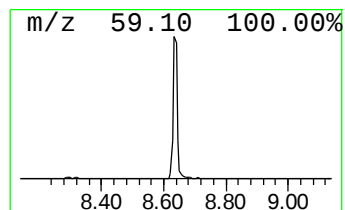
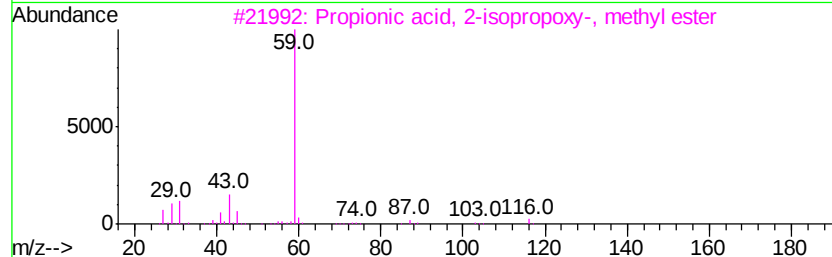
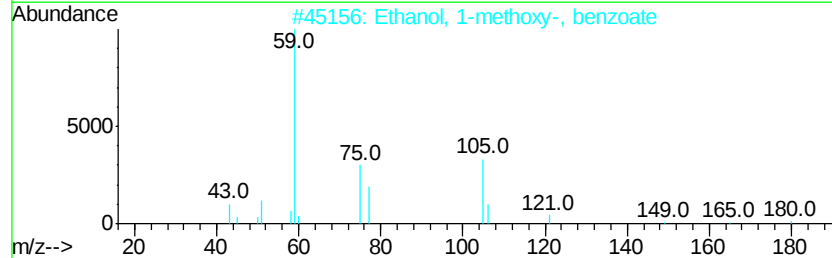
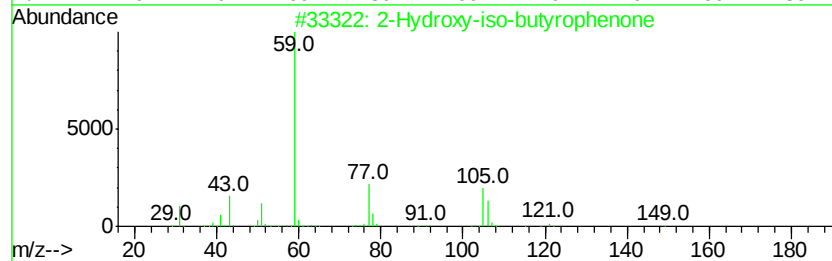
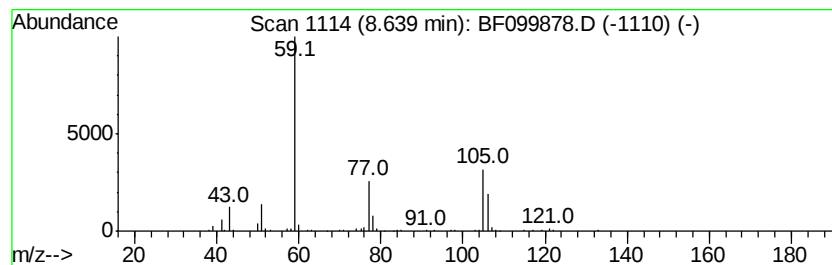
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 2-Hydroxy-iso-butyrophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	4.60 ng	182352	Naphthalene-d8	8.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Hydroxy-iso-butyrophenone	164	C10H12O2	007473-98-5	83
2		Ethanol, 1-methoxy-, benzoate	180	C10H12O3	051835-44-0	64
3		Propionic acid, 2-isopropoxy-, m...	146	C7H14O3	1000151-15-1	9
4		Propanoic acid, 2-methoxy-, meth...	118	C5H10O3	017639-76-8	9
5		.alpha.-(Methylthio)acetamide	105	C3H7NOS	022551-24-2	7



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
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Sample : I6112-17
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ALS Vial : 5 Sample Multiplier: 1

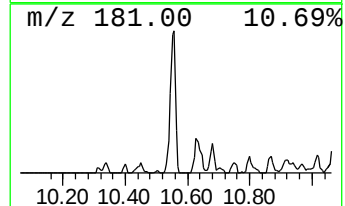
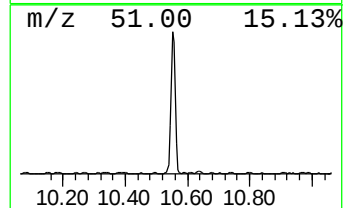
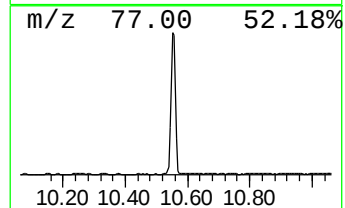
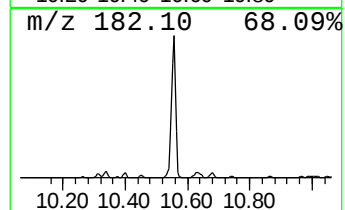
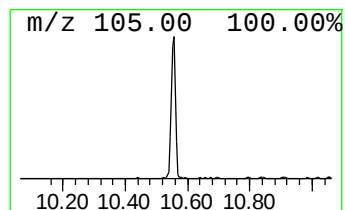
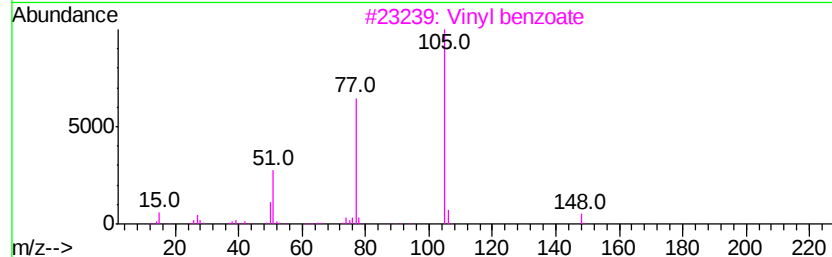
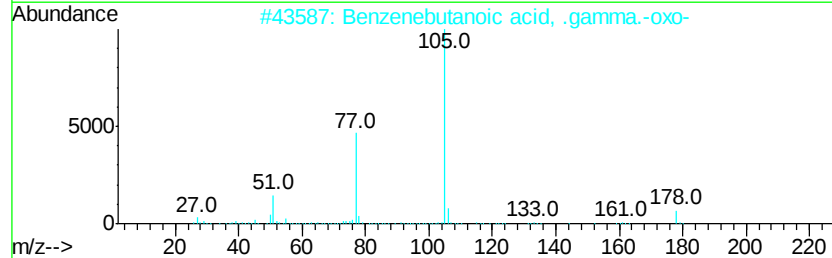
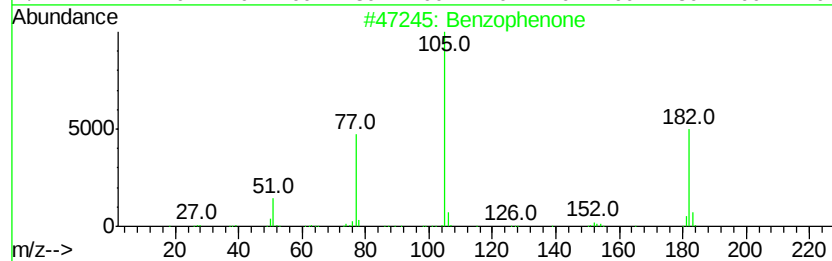
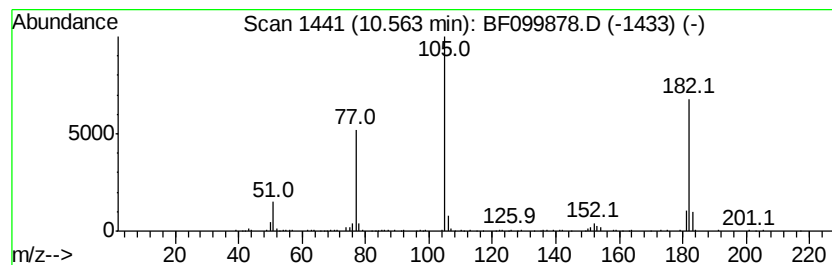
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	17.07 ng	768008	Acenaphthene-d10	9.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzophenone	182 C13H10O	000119-61-9 97
2		Benzenebutanoic acid, .gamma.-oxo-	178 C10H10O3	002051-95-8 43
3		Vinyl benzoate	148 C9H8O2	000769-78-8 43
4		1,2-Propanedione, 1-phenyl-	148 C9H8O2	000579-07-7 43
5		2-(2-Oxo-2-phenyl-ethyl)-malonon...	184 C11H8N2O	1000296-76-9 43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102717\
Data File : BF099878.D
Acq On : 27 Oct 2017 15:39
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Sample : I6112-17
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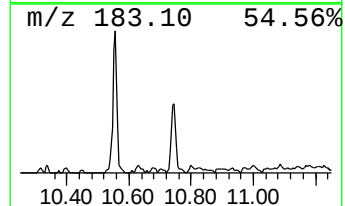
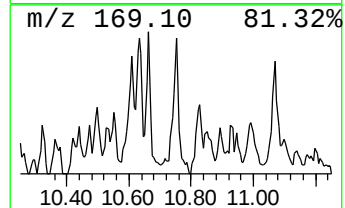
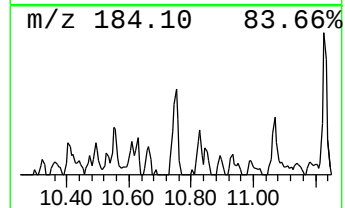
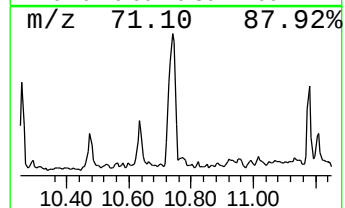
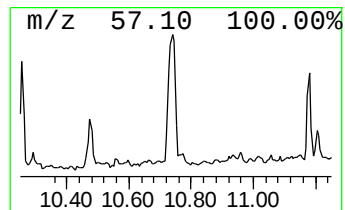
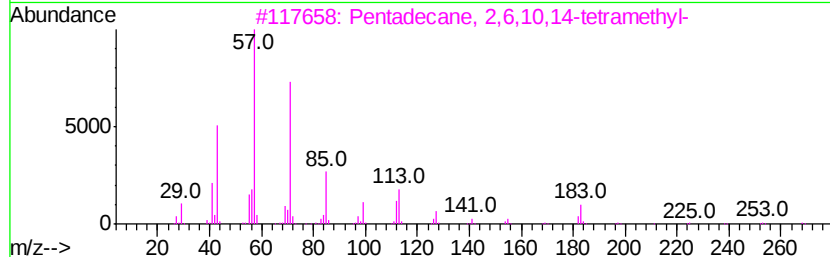
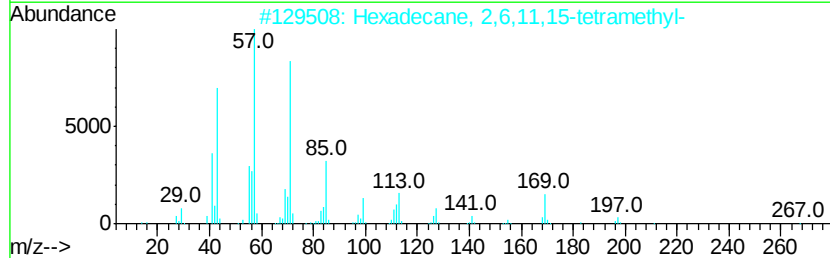
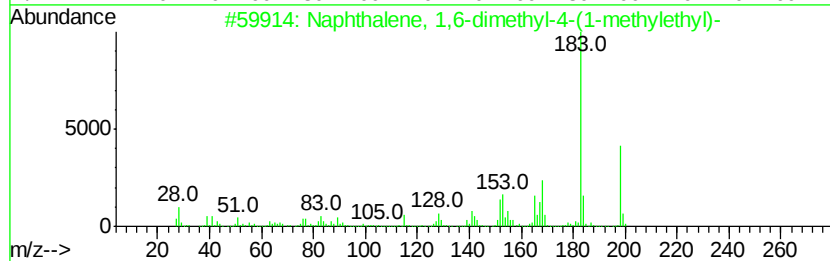
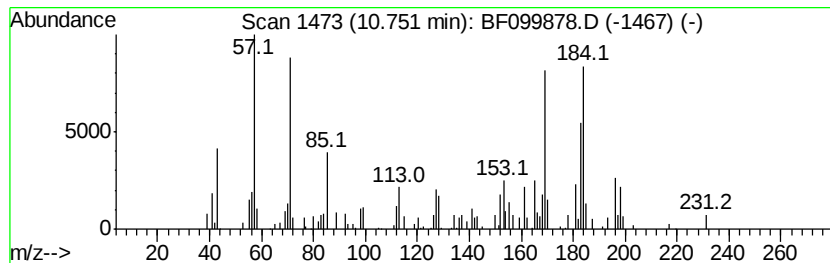
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ClientSampleId :
5-MARION26KV-(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,6-dimethyl-4... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.75	5.04 ng	205669	Phenanthrene-d10	11.33		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,6-dimethyl-4-(1-m...	198	C15H18	000483-78-3	52
2		Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	43
3		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	43
4		Tridecane, 3-methyl-	198	C14H30	006418-41-3	43
5		Azulene, 1,4-dimethyl-7-(1-methy...	198	C15H18	000489-84-9	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102717\
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Operator : SJ/JU
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ALS Vial : 5 Sample Multiplier: 1

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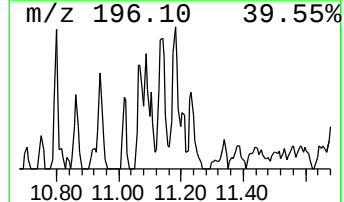
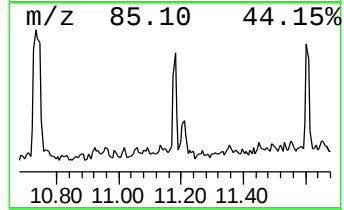
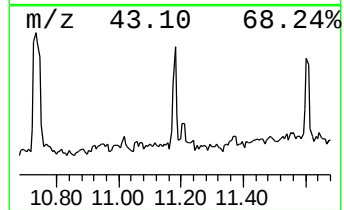
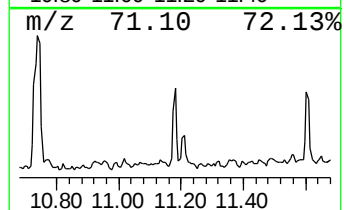
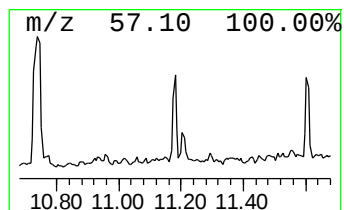
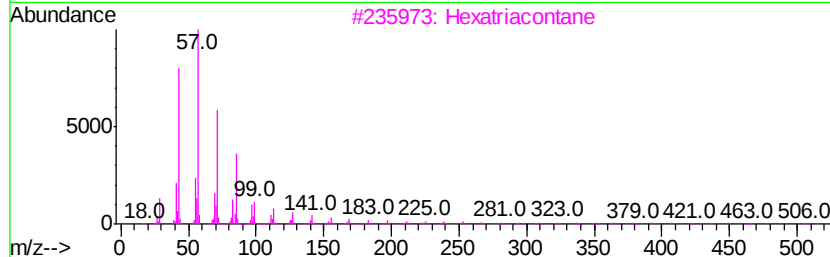
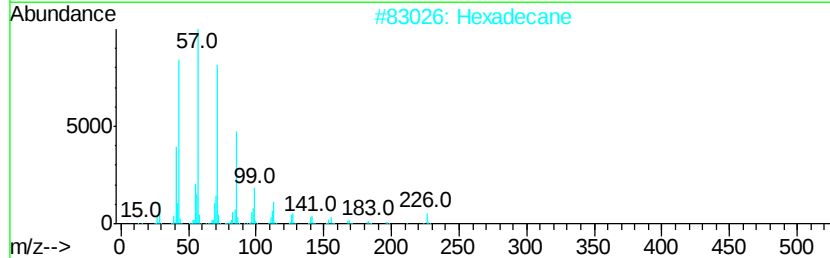
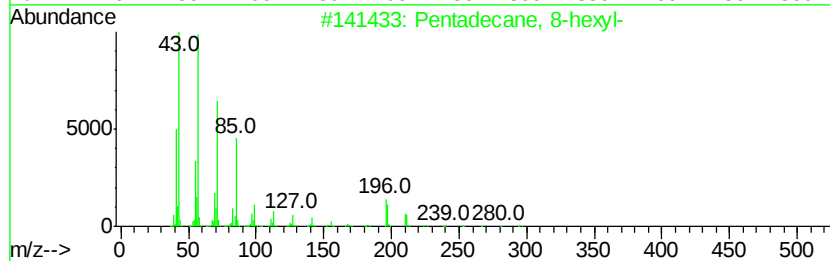
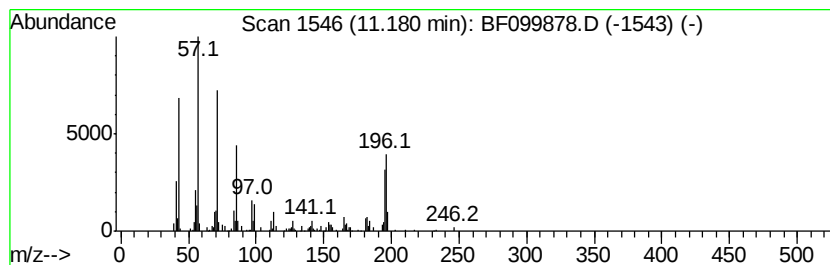
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pentadecane, 8-hexyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	2.40 ng	97880	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	52
2		Hexadecane	226	C16H34	000544-76-3	49
3		Hexatriacontane	507	C36H74	000630-06-8	49
4		2-methyloctacosane	408	C29H60	1000376-72-8	49
5		Octacosane	394	C28H58	000630-02-4	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102717\
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Acq On : 27 Oct 2017 15:39
Operator : SJ/JU
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
5-MARION26KV-(2-3)

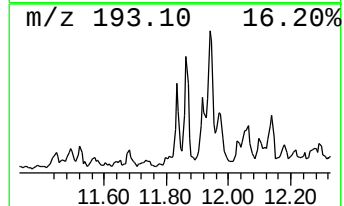
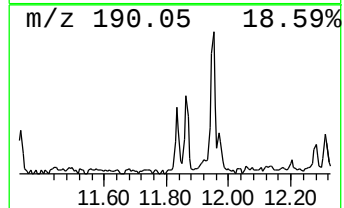
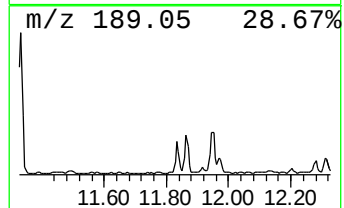
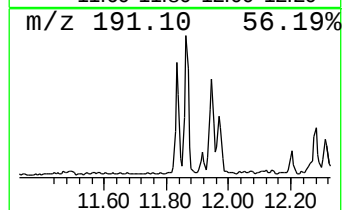
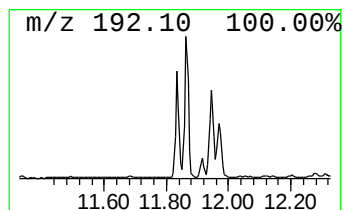
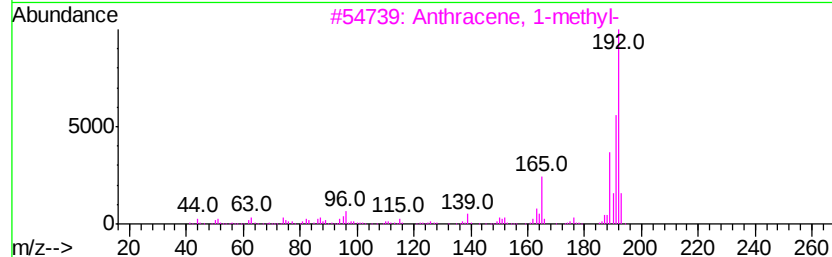
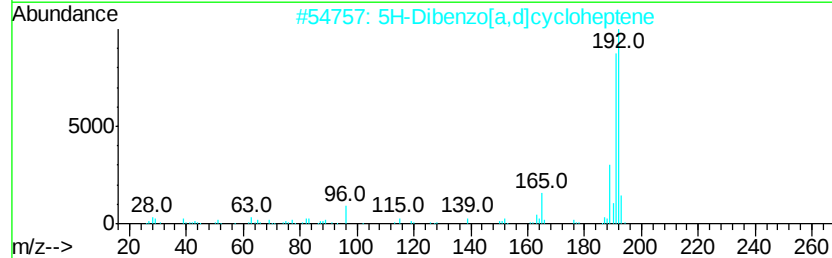
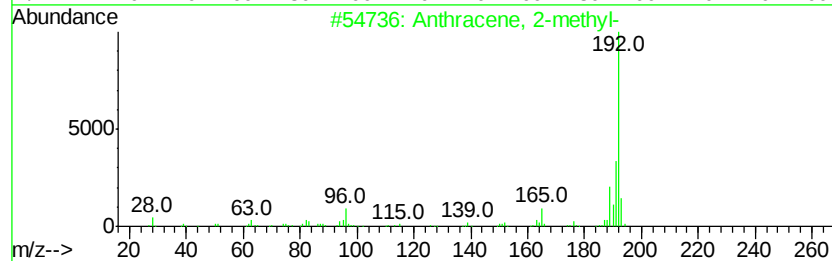
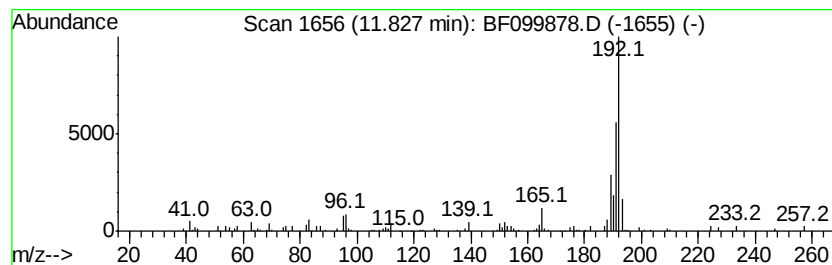
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.26 ng	133083	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099878.D
Acq On : 27 Oct 2017 15:39
Operator : SJ/JU
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Misc :
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Instrument :
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ClientSampleId :
5-MARION26KV-(2-3)

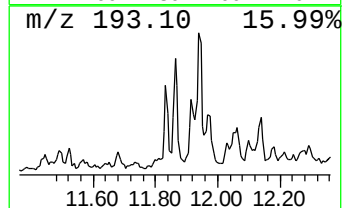
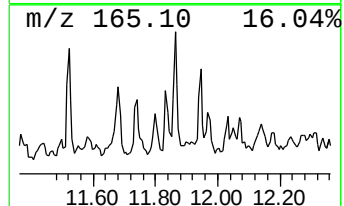
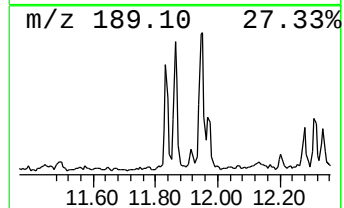
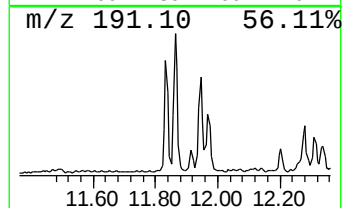
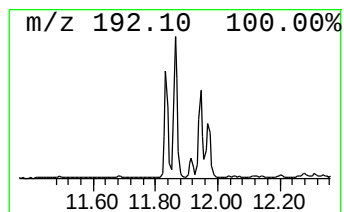
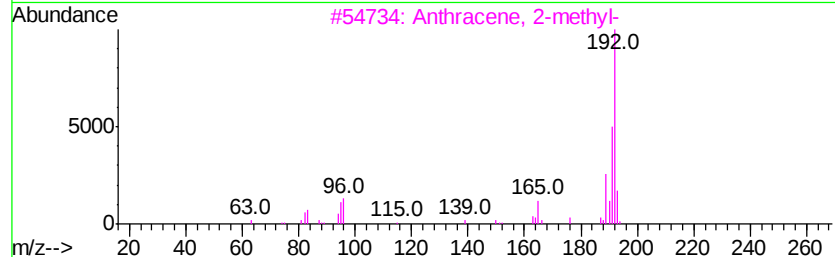
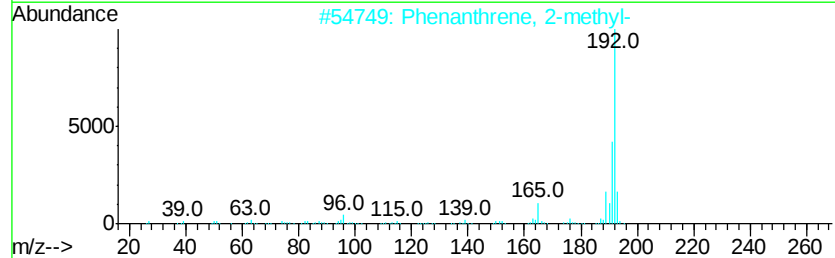
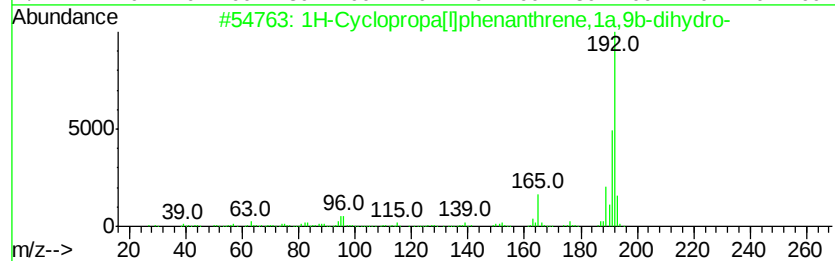
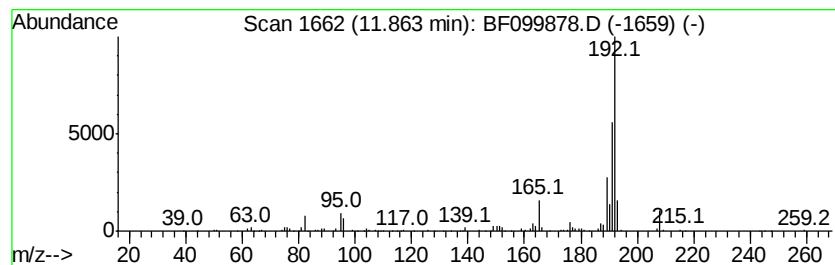
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.08 ng	247708	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102717\
Data File : BF099878.D
Acq On : 27 Oct 2017 15:39
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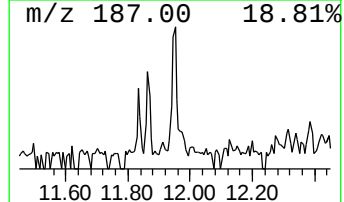
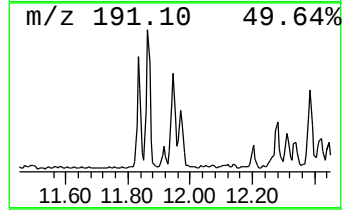
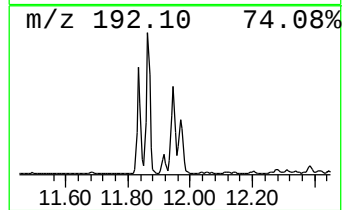
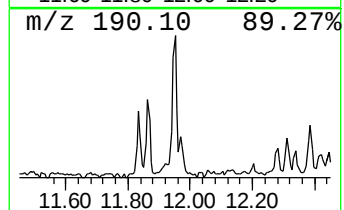
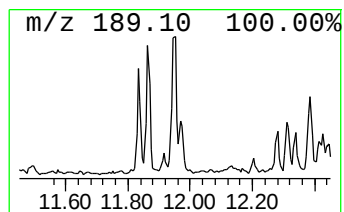
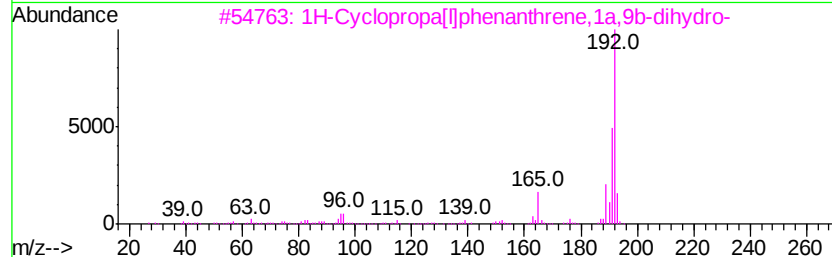
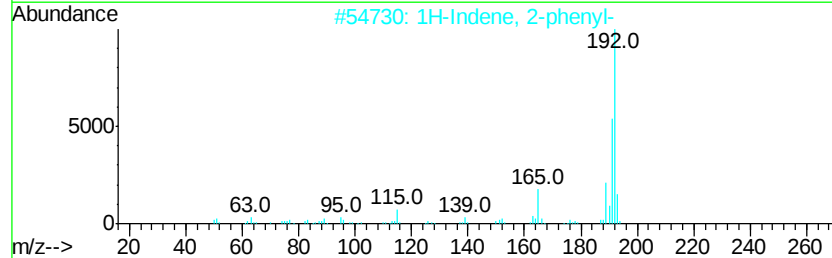
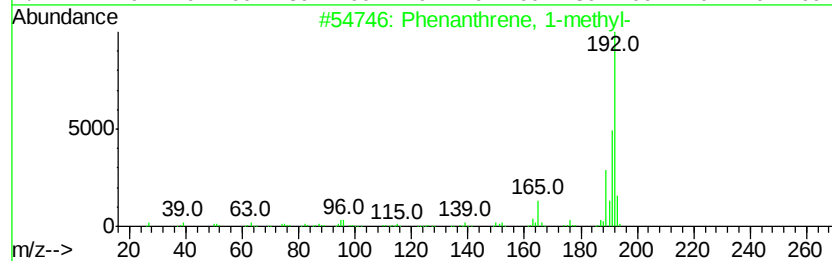
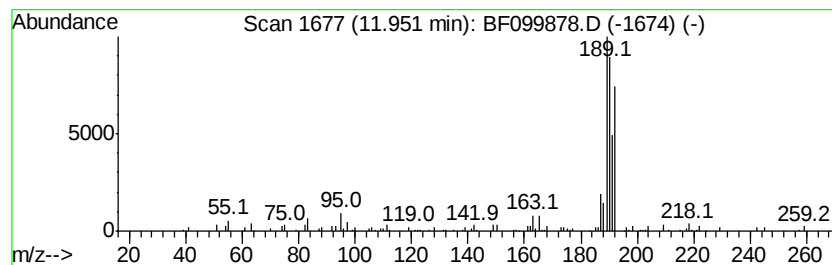
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ClientSampleId :
5-MARION26KV-(2-3)

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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 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.95	2.22 ng	90690	Phenanthrene-d10		11.33		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
2			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	70
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
5			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102717\
Data File : BF099878.D
Acq On : 27 Oct 2017 15:39
Operator : SJ/JU
Sample : I6112-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
5-MARION26KV-(2-3)

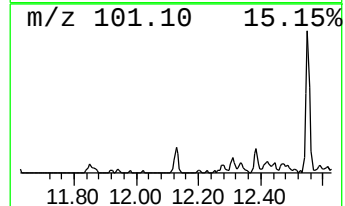
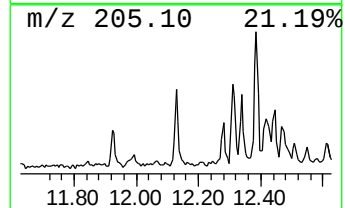
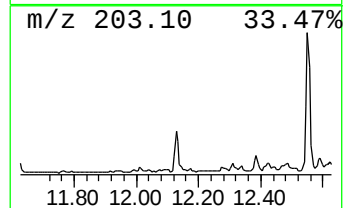
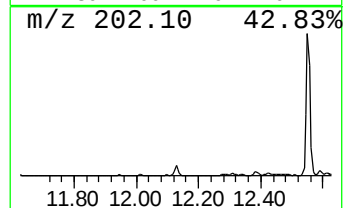
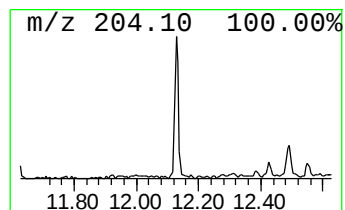
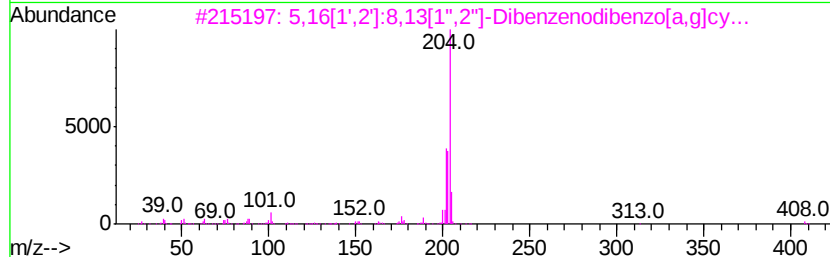
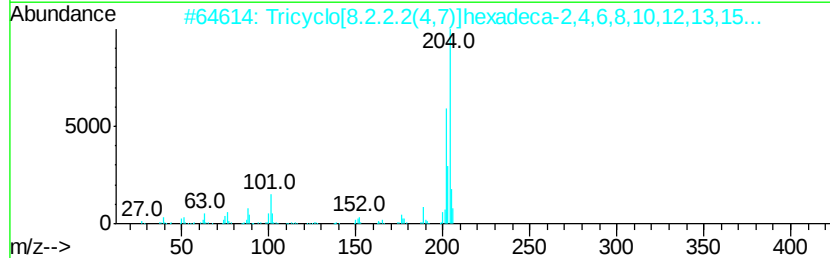
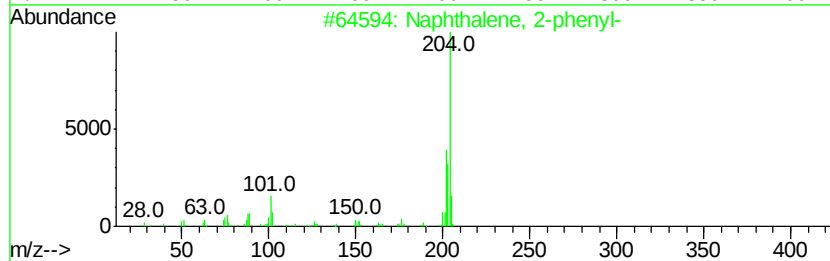
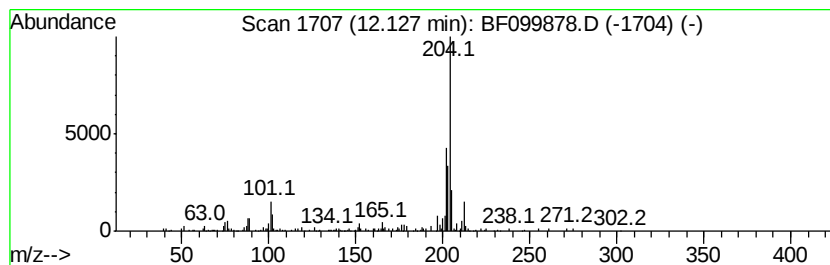
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.95 ng	120247	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3		5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102717\
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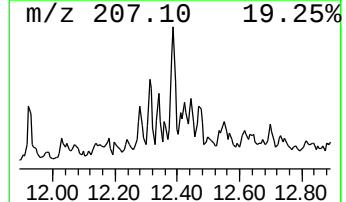
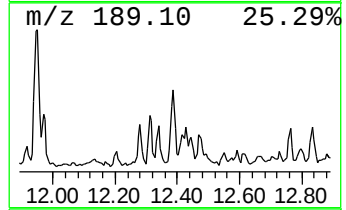
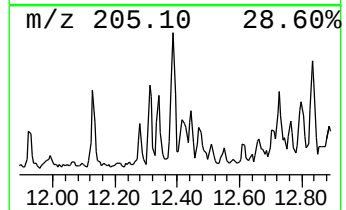
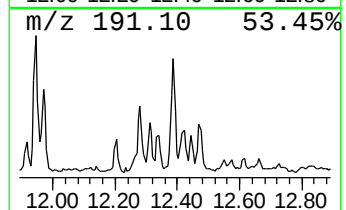
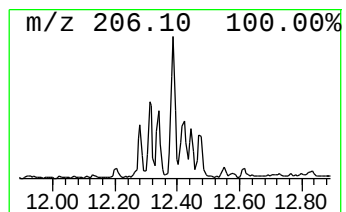
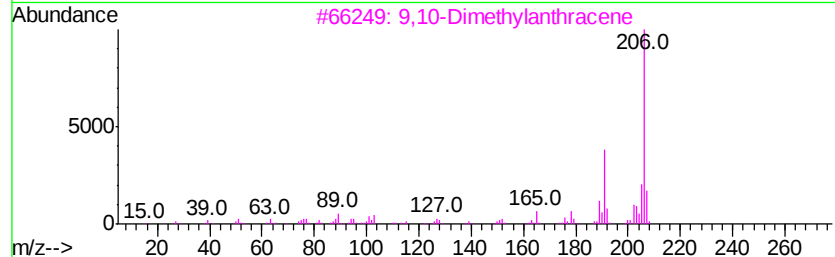
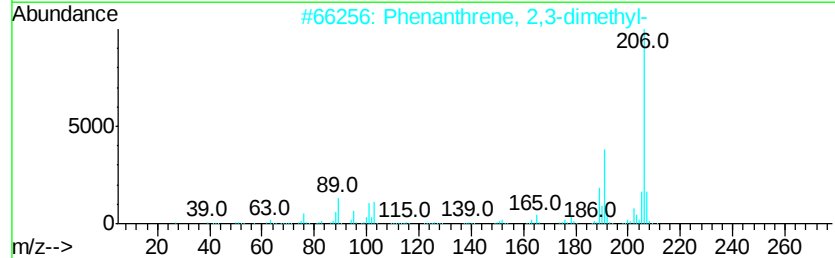
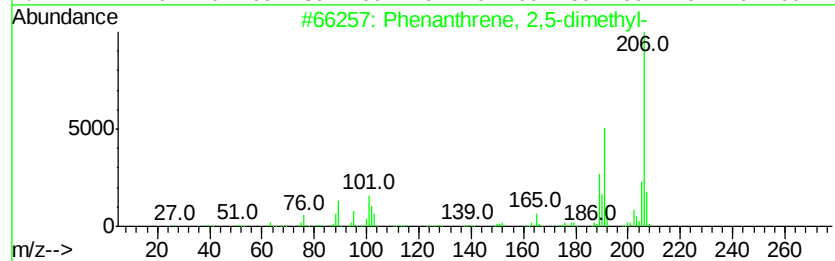
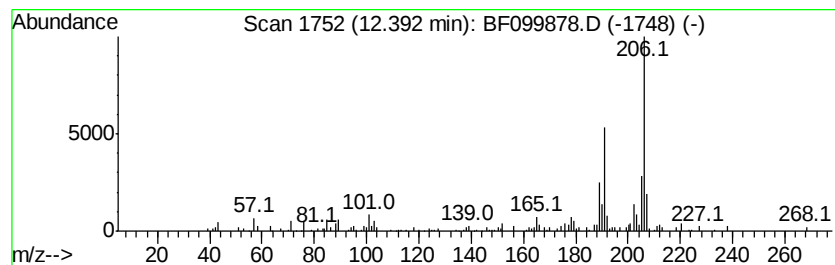
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.39	3.36 ng	136919	Phenanthrene-d10		11.33
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102717\
Data File : BF099878.D
Acq On : 27 Oct 2017 15:39
Operator : SJ/JU
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ALS Vial : 5 Sample Multiplier: 1

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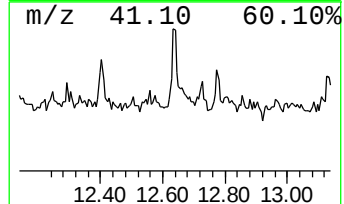
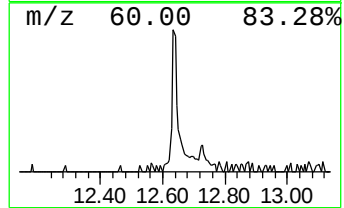
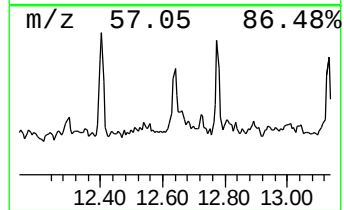
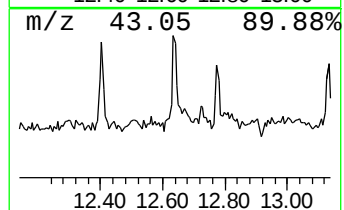
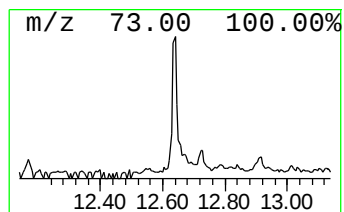
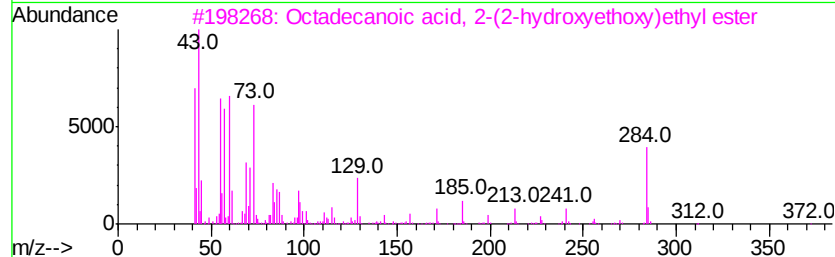
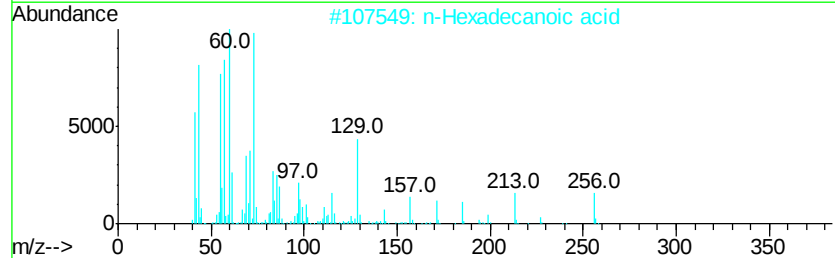
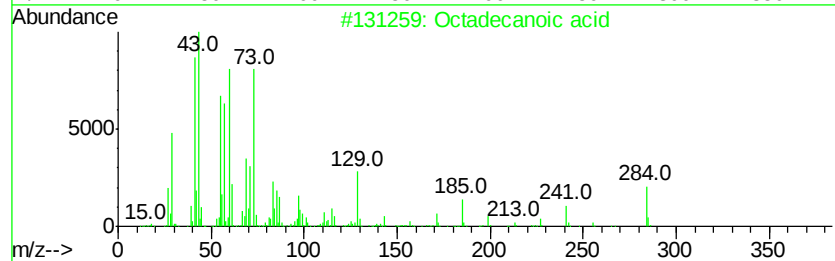
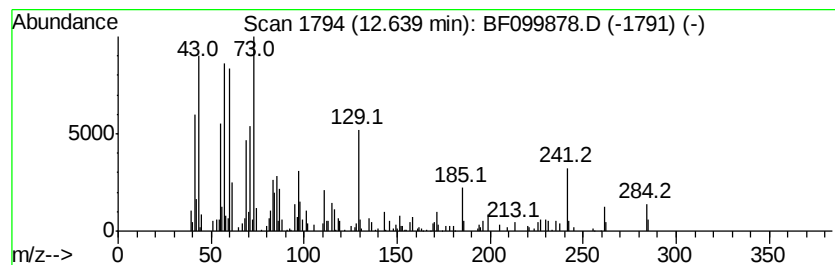
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	3.31 ng	134852	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	96
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	86
3		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	62
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	62
5		n-Decanoic acid	172	C10H20O2	000334-48-5	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102717\
Data File : BF099878.D
Acq On : 27 Oct 2017 15:39
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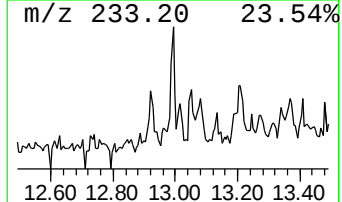
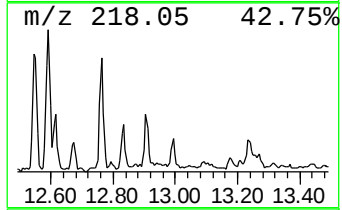
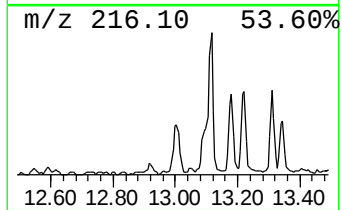
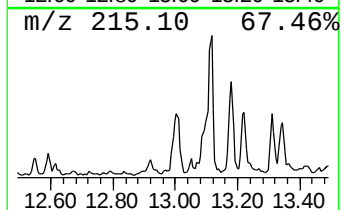
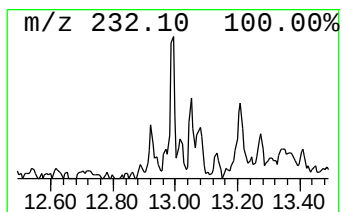
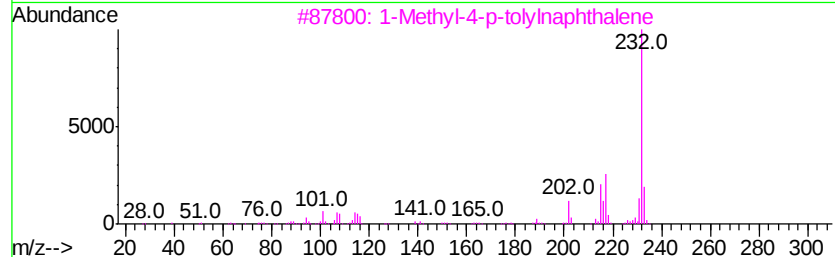
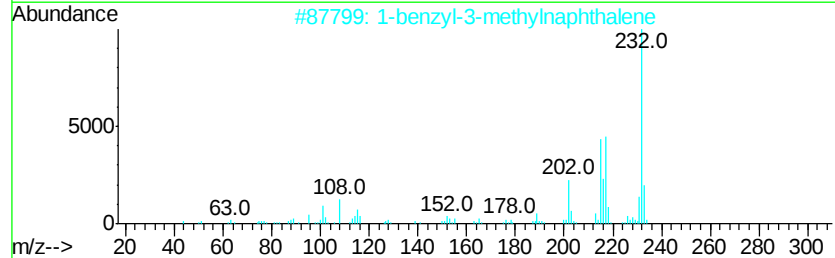
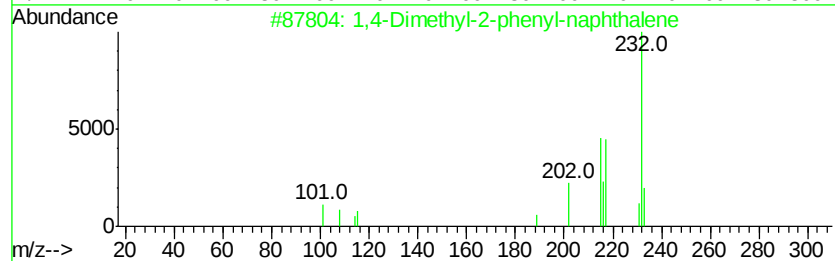
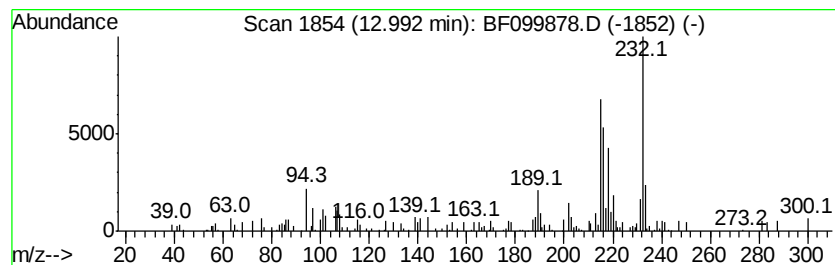
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.99 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	2.48 ng	89945	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Dimethyl-2-phenyl-naphthalene	232	C18H16	051036-91-0	49
2		1-benzyl-3-methylnaphthalene	232	C18H16	1000379-93-5	47
3		1-Methyl-4-p-tolynaphthalene	232	C18H16	093870-57-6	41
4		1,4-Dimethyl-6-phenyl-naphthalene	232	C18H16	051036-93-2	38
5		8,9,10,11-Tetrahydrobenz[a]anthr...	232	C18H16	067064-62-4	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102717\
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Acq On : 27 Oct 2017 15:39
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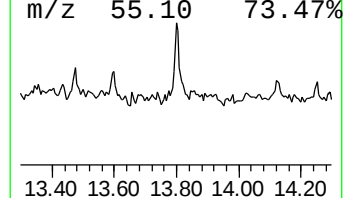
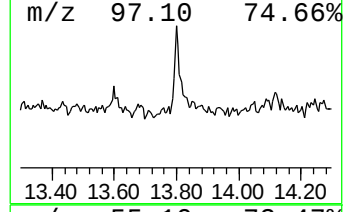
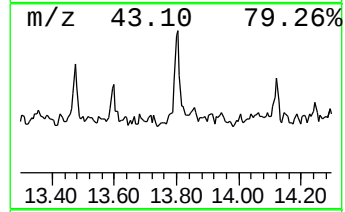
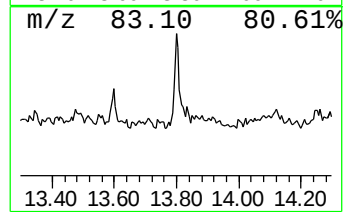
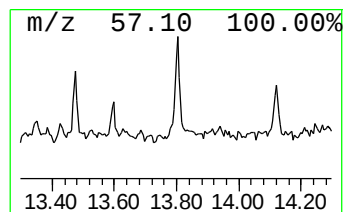
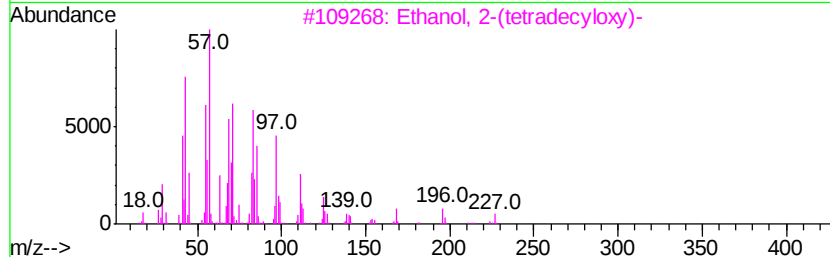
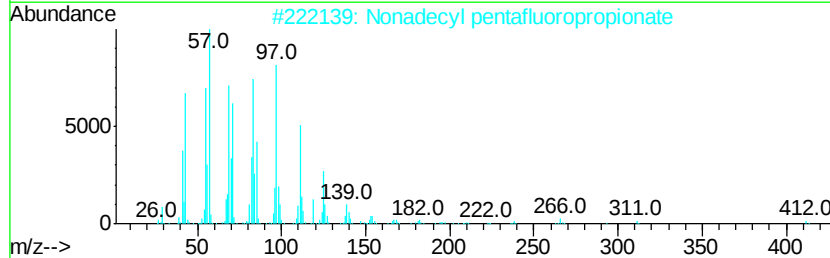
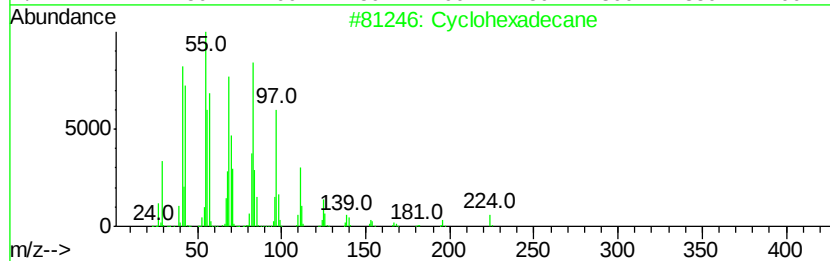
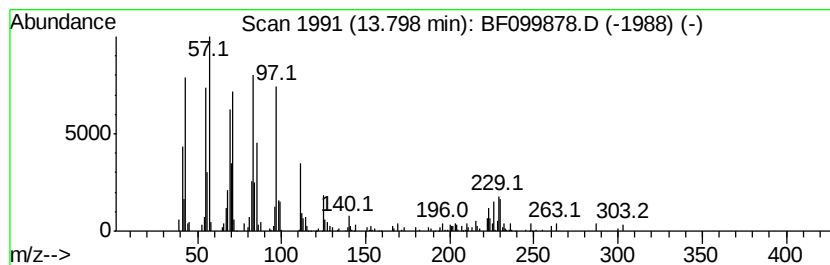
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclohexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	3.58 ng	130179	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexadecane	224	C16H32	000295-65-8	95
2		Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	90
3		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	76
4		1-Heneicosanol	312	C21H44O	015594-90-8	70
5		Cyclotetradecane	196	C14H28	000295-17-0	70



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ClientSampleId :
5-MARION26KV-(2-3)

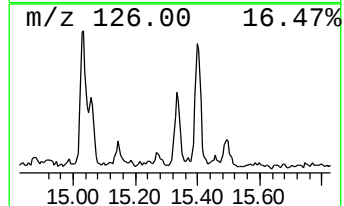
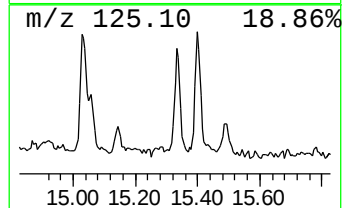
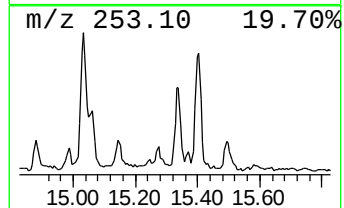
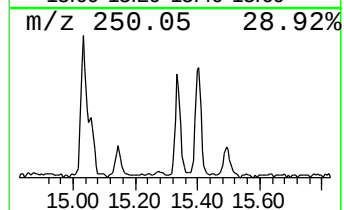
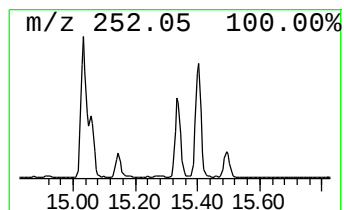
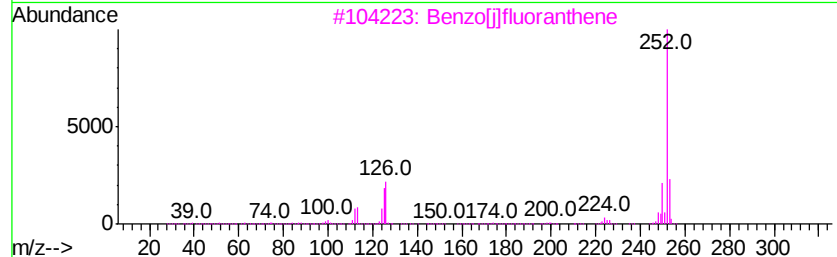
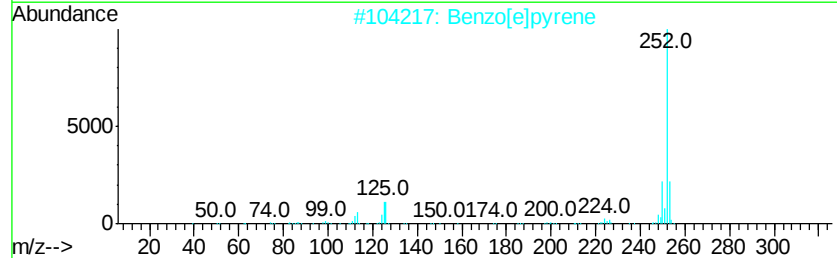
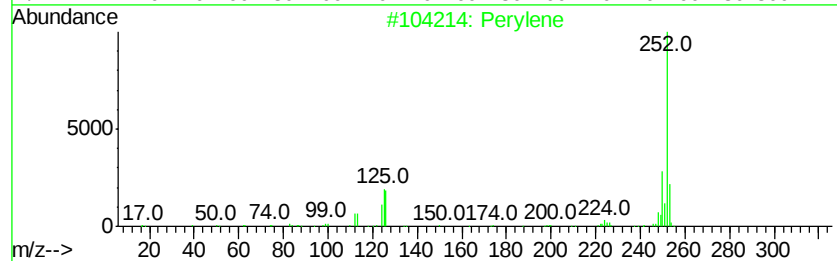
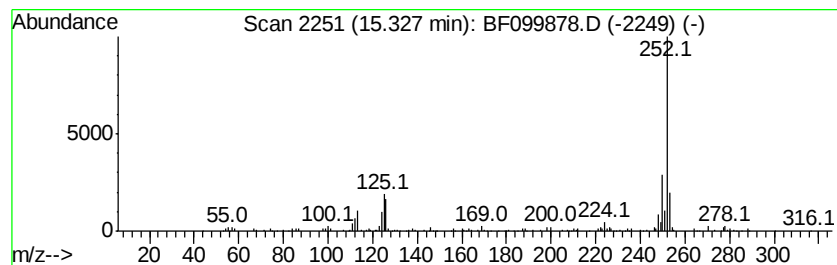
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	6.13 ng	143219	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	97
3		Benzo[i]fluoranthene	252	C20H12	000205-82-3	97
4		Benzo[a]pyrene	252	C20H12	000050-32-8	95
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
5-MARION26KV-(2-3)

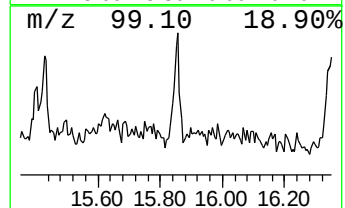
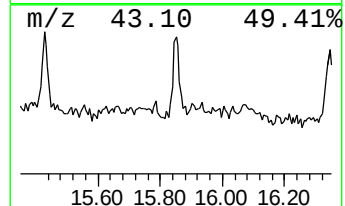
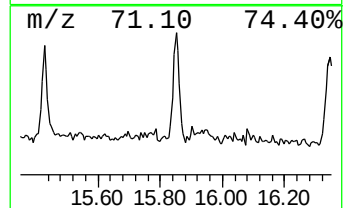
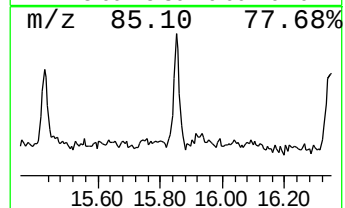
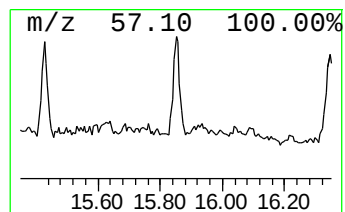
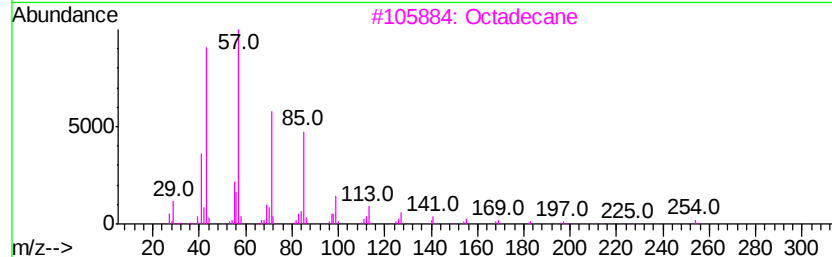
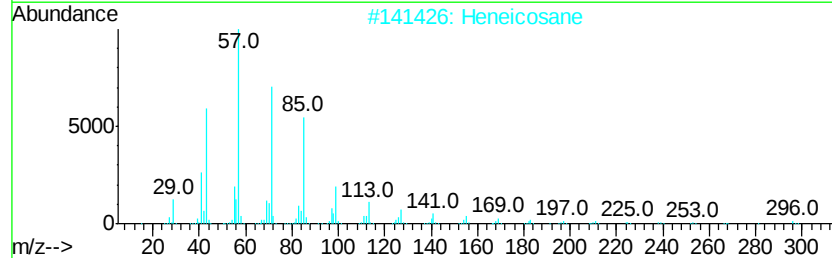
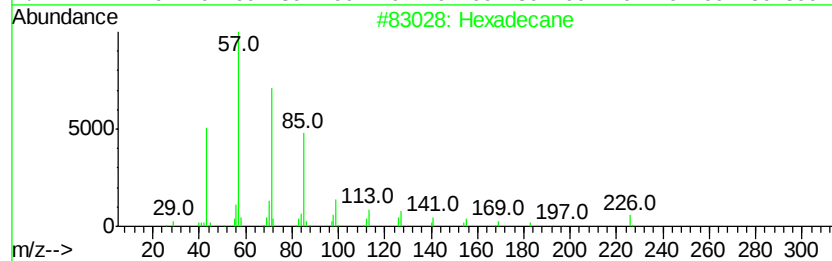
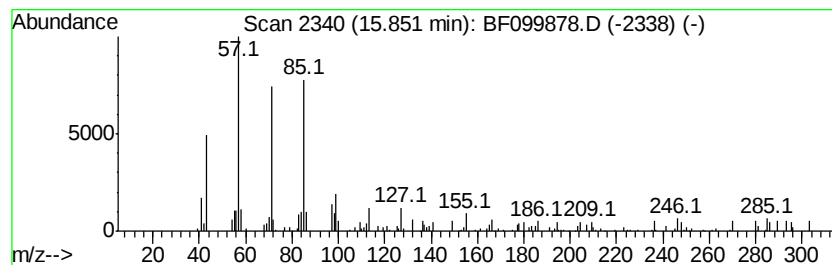
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Hexadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	2.54 ng	59311	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	81
2		Heneicosane	296	C21H44	000629-94-7	78
3		Octadecane	254	C18H38	000593-45-3	64
4		6,6-Diethylhooctadecane	310	C22H46	1000360-41-8	64
5		Oxalic acid, butyl 6-ethyloct-3-...	286	C16H30O4	1000309-34-2	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102717\
 Data File : BF099878.D
 Acq On : 27 Oct 2017 15:39
 Operator : SJ/JU
 Sample : I6112-17
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5-MARION26KV-(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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
3-Penten-2-one, 4...	4.39	3.7	ng	104222	1	6.79	563776	20.0
2-Pentanone, 4-hy...	5.01	14.2	ng	399429	1	6.79	563776	20.0
unknown6.57	6.57	67.3	ng	1896720	1	6.79	563776	20.0
2-Hydroxy-iso-but...	8.64	4.6	ng	182352	2	8.07	792909	20.0
Benzophenone	10.56	17.1	ng	768008	3	9.84	899588	20.0
Naphthalene, 1,6-...	10.75	5.0	ng	205669	4	11.33	815434	20.0
Pentadecane, 8-he...	11.18	2.4	ng	97880	4	11.33	815434	20.0
Anthracene, 2-met...	11.83	3.3	ng	133083	4	11.33	815434	20.0
1H-Cyclopropa[l]p...	11.86	6.1	ng	247708	4	11.33	815434	20.0
Phenanthrene, 1-m...	11.95	2.2	ng	90690	4	11.33	815434	20.0
Naphthalene, 2-ph...	12.13	3.0	ng	120247	4	11.33	815434	20.0
Phenanthrene, 2,5...	12.39	3.4	ng	136919	4	11.33	815434	20.0
Octadecanoic acid	12.64	3.3	ng	134852	4	11.33	815434	20.0
unknown12.99	12.99	2.5	ng	89945	5	13.99	726320	20.0
Cyclohexadecane	13.80	3.6	ng	130179	5	13.99	726320	20.0
Perylene	15.33	6.1	ng	143219	6	15.46	467484	20.0
Hexadecane	15.85	2.5	ng	59311	6	15.46	467484	20.0