

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
 Data File : BF107170.D
 Acq On : 6 Jul 2018 14:05
 Operator : JU/SJ
 Sample : J3815-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 964

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.178	480	483	500	rVB	109406	137064	9.53%	0.520%
2	5.590	549	553	565	rBV	1052659	1045808	72.71%	3.970%
3	6.590	719	723	736	rBV	1062058	1092305	75.94%	4.146%
4	6.725	741	746	749	rBV	1126435	1078066	74.95%	4.092%
5	6.942	780	783	787	rBV	432108	356511	24.79%	1.353%
6	7.101	806	810	813	rBV	998105	873888	60.76%	3.317%
7	7.513	875	880	889	rBV	676301	709609	49.34%	2.694%
8	8.225	997	1001	1019	rBV	478964	473784	32.94%	1.798%
9	9.301	1179	1184	1187	rBV	1543792	1366134	94.98%	5.186%
10	9.689	1244	1250	1256	rBV2	243838	324864	22.59%	1.233%
11	9.842	1273	1276	1280	rBV2	32641	42407	2.95%	0.161%
12	9.989	1297	1301	1304	rVV	580692	547918	38.09%	2.080%
13	10.019	1304	1306	1308	rVB	56549	41229	2.87%	0.156%
14	10.083	1313	1317	1321	rBV3	29603	53925	3.75%	0.205%
15	10.183	1331	1334	1337	rBV2	53761	65786	4.57%	0.250%
16	10.225	1337	1341	1344	rVV3	51786	72070	5.01%	0.274%
17	10.295	1350	1353	1356	rBV	82301	85773	5.96%	0.326%
18	10.330	1356	1359	1363	rVB2	65521	66926	4.65%	0.254%
19	10.389	1364	1369	1371	rBV3	134253	157943	10.98%	0.600%
20	10.536	1390	1394	1395	rBV2	65335	83434	5.80%	0.317%
21	10.613	1403	1407	1410	rBV2	267541	286851	19.94%	1.089%
22	10.636	1410	1411	1414	rVB2	58863	44142	3.07%	0.168%
23	10.672	1414	1417	1419	rBV2	46974	51656	3.59%	0.196%
24	10.695	1419	1421	1425	rVB4	66198	62568	4.35%	0.237%
25	10.736	1425	1428	1429	rBV2	56629	48559	3.38%	0.184%
26	10.783	1432	1436	1439	rBV	955688	944754	65.68%	3.586%
27	10.877	1447	1452	1460	rVB2	569639	785826	54.64%	2.983%
28	10.972	1465	1468	1470	rBV	84275	86384	6.01%	0.328%
29	11.089	1481	1488	1490	rVV8	75151	158035	10.99%	0.600%
30	11.113	1490	1492	1495	rBV2	186692	166032	11.54%	0.630%
31	11.195	1504	1506	1508	rBV2	95786	99030	6.89%	0.376%
32	11.219	1508	1510	1511	rVV3	116892	107474	7.47%	0.408%
33	11.236	1511	1513	1516	rVV3	127173	131100	9.11%	0.498%
34	11.277	1517	1520	1523	rVV3	104655	105804	7.36%	0.402%

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35	11.319	1524	1527	1529	rVV	281917	271592	18.88%	1.031%
36	11.348	1529	1532	1534	rVV	315829	312634	21.74%	1.187%
37	11.377	1534	1537	1541	rVB2	124863	143069	9.95%	0.543%
38	11.454	1547	1550	1551	rBV2	38904	41155	2.86%	0.156%
39	11.483	1551	1555	1557	rVV	650987	599456	41.68%	2.275%
40	11.507	1557	1559	1561	rVB	246778	192431	13.38%	0.730%
41	11.560	1566	1568	1570	rVV	84105	90446	6.29%	0.343%
42	11.589	1570	1573	1576	rVV3	249524	300164	20.87%	1.139%
43	11.630	1578	1580	1584	rVV4	144959	218159	15.17%	0.828%
44	11.666	1584	1586	1588	rVV2	108116	109021	7.58%	0.414%
45	11.701	1589	1592	1596	rVV5	160764	272341	18.93%	1.034%
46	11.742	1596	1599	1602	rVV	431740	424693	29.53%	1.612%
47	11.813	1605	1611	1620	rVB4	179152	398016	27.67%	1.511%
48	11.895	1622	1625	1630	rBV2	120625	212696	14.79%	0.807%
49	11.983	1637	1640	1642	rBV	296809	282697	19.65%	1.073%
50	12.013	1642	1645	1648	rVB	287952	272358	18.94%	1.034%
51	12.066	1651	1654	1656	rVV2	191927	235447	16.37%	0.894%
52	12.095	1656	1659	1662	rVV3	274719	366044	25.45%	1.389%
53	12.119	1662	1663	1666	rVB	195366	135066	9.39%	0.513%
54	12.154	1666	1669	1671	rBV	458596	361498	25.13%	1.372%
55	12.183	1671	1674	1677	rVV2	52547	86006	5.98%	0.326%
56	12.219	1677	1680	1683	rVB2	129389	142154	9.88%	0.540%
57	12.277	1687	1690	1692	rVV	165771	181841	12.64%	0.690%
58	12.313	1694	1696	1700	rVV4	146059	152033	10.57%	0.577%
59	12.354	1700	1703	1705	rVV	65740	57980	4.03%	0.220%
60	12.377	1705	1707	1710	rVV	61371	91235	6.34%	0.346%
61	12.424	1713	1715	1719	rVV2	258146	303047	21.07%	1.150%
62	12.460	1719	1721	1723	rVV	261002	218551	15.19%	0.830%
63	12.483	1723	1725	1727	rVV2	150966	127137	8.84%	0.483%
64	12.536	1731	1734	1737	rBV2	682633	722220	50.21%	2.741%
65	12.571	1737	1740	1742	rVV2	149009	193625	13.46%	0.735%
66	12.619	1746	1748	1751	rBV2	139207	146490	10.18%	0.556%
67	12.654	1752	1754	1758	rVB2	99571	84023	5.84%	0.319%
68	12.701	1759	1762	1765	rBV	506890	477077	33.17%	1.811%
69	12.730	1765	1767	1770	rVV2	218061	196801	13.68%	0.747%
70	12.854	1785	1788	1790	rBV3	55117	47125	3.28%	0.179%
71	12.871	1790	1791	1795	rVB	63807	54211	3.77%	0.206%

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72	12.913	1795	1798	1800	rBV2	286214	275100	19.13%	1.044%
73	12.936	1800	1802	1806	rVB2	547746	496301	34.51%	1.884%
74	12.983	1806	1810	1813	rVB	164947	184040	12.80%	0.699%
75	13.030	1815	1818	1820	rBV3	48836	62511	4.35%	0.237%
76	13.066	1820	1824	1827	rVB	1543701	1438313	100.00%	5.460%
77	13.136	1834	1836	1838	rBV2	42403	46195	3.21%	0.175%
78	13.266	1850	1858	1863	rVB3	147093	257663	17.91%	0.978%
79	13.366	1871	1875	1877	rVV2	73357	87187	6.06%	0.331%
80	13.460	1888	1891	1893	rBV	44641	43976	3.06%	0.167%
81	13.489	1893	1896	1898	rVV	59968	56553	3.93%	0.215%
82	13.607	1914	1916	1919	rBV	55185	45901	3.19%	0.174%
83	13.771	1941	1944	1947	rVB	50340	46816	3.25%	0.178%
84	13.883	1957	1963	1965	rBV	54560	65205	4.53%	0.248%
85	13.907	1965	1967	1969	rVV	50473	40751	2.83%	0.155%
86	13.936	1969	1972	1978	rVV4	105036	143565	9.98%	0.545%
87	13.983	1978	1980	1983	rVV	52552	43433	3.02%	0.165%
88	14.077	1993	1996	1999	rVV	222068	199606	13.88%	0.758%
89	14.136	2000	2006	2008	rVV2	589012	751891	52.28%	2.854%
90	14.160	2008	2010	2017	rVB	233991	204654	14.23%	0.777%
91	14.524	2067	2072	2075	rBV	47385	46752	3.25%	0.177%
92	14.565	2075	2079	2082	rBV2	46166	62755	4.36%	0.238%
93	15.212	2185	2189	2197	rBV	160133	352035	24.48%	1.336%
94	15.324	2205	2208	2212	rVB	34176	41801	2.91%	0.159%
95	15.536	2239	2244	2251	rVB	100550	127426	8.86%	0.484%
96	15.601	2251	2255	2260	rBV	132984	188749	13.12%	0.716%
97	15.671	2262	2267	2271	rVV	343372	460606	32.02%	1.748%
98	15.701	2271	2272	2279	rVB2	39837	43611	3.03%	0.166%
99	17.242	2528	2534	2542	rVB	73832	157693	10.96%	0.599%
100	17.730	2610	2617	2624	rVB	41941	99743	6.93%	0.379%

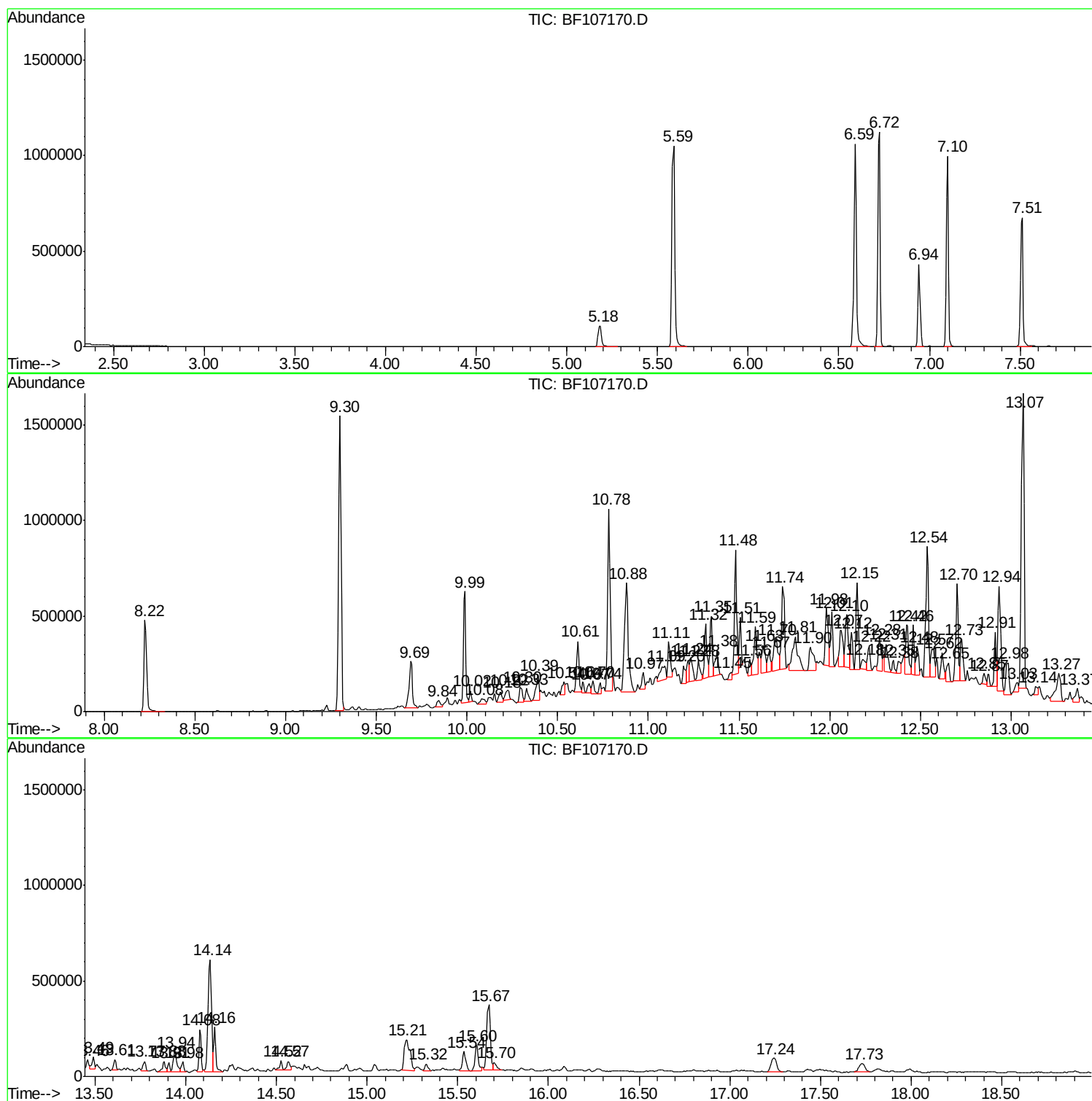
Sum of corrected areas: 26345030

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964

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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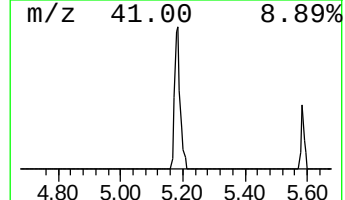
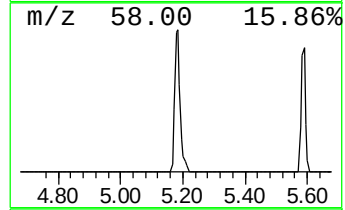
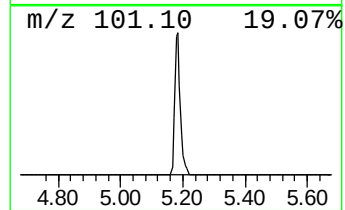
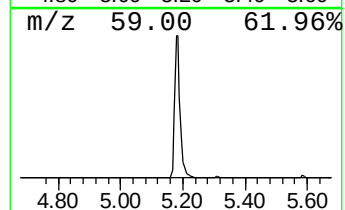
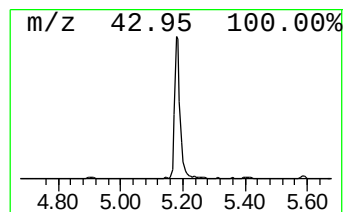
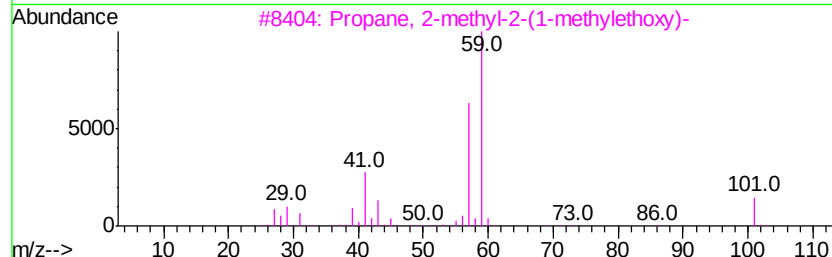
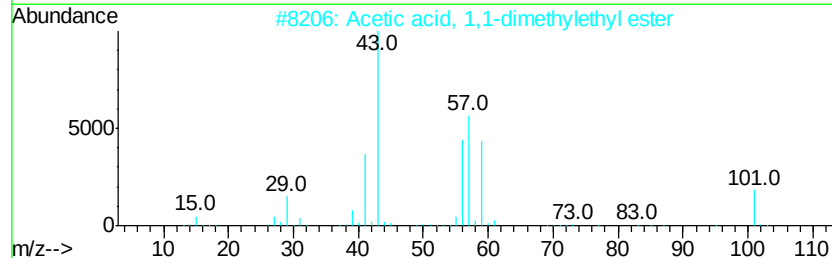
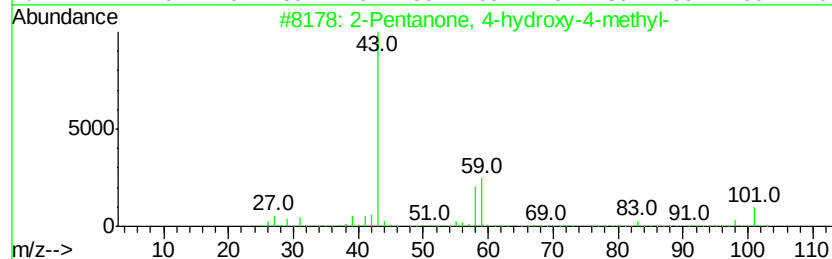
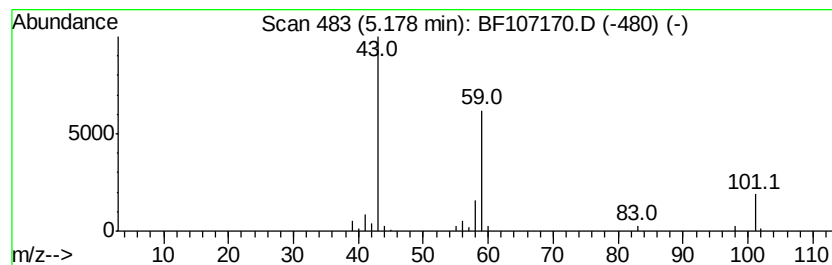
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	7.69 ng	137064	1,4-Dichlorobenzene-d4	6.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	38
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



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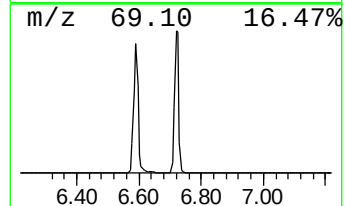
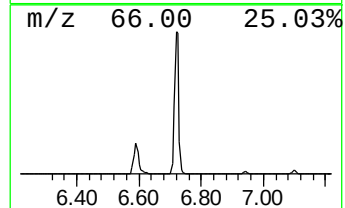
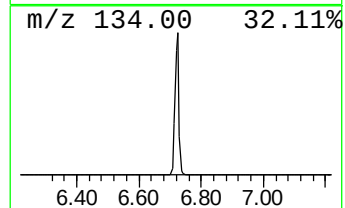
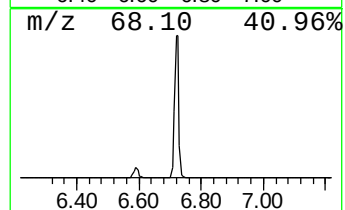
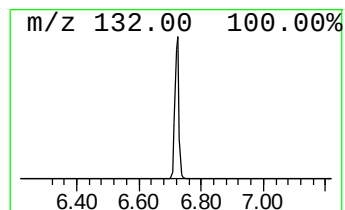
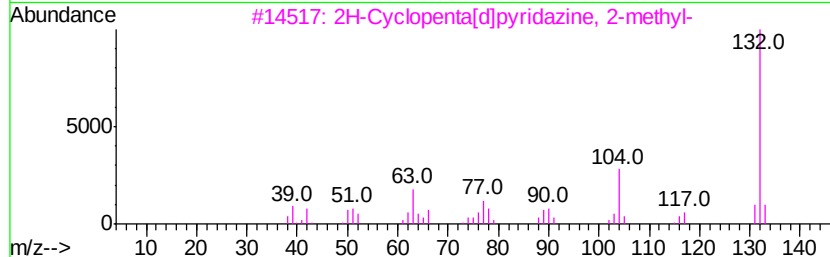
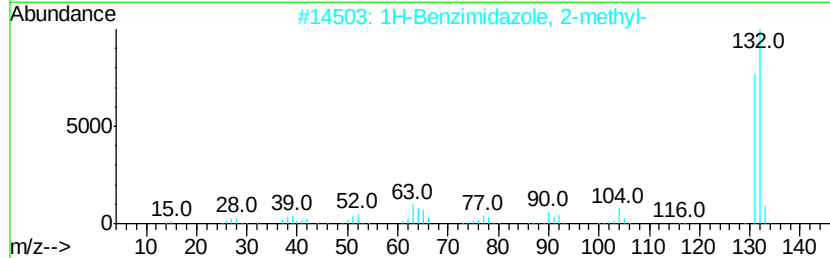
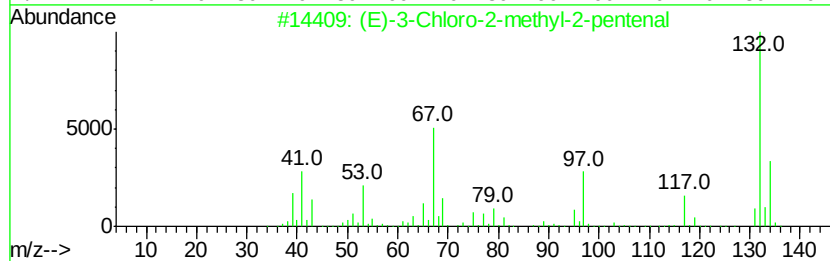
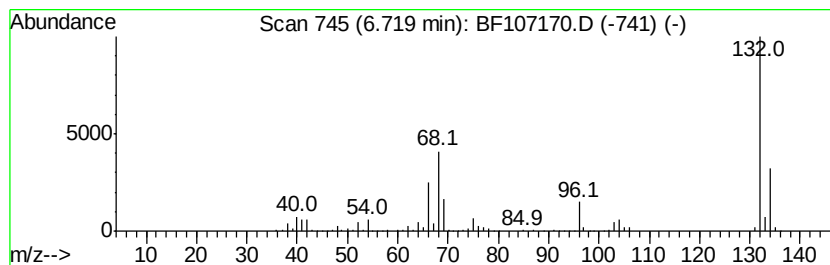
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.72 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	60.48 ng	1078070	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
3		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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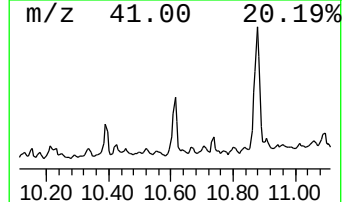
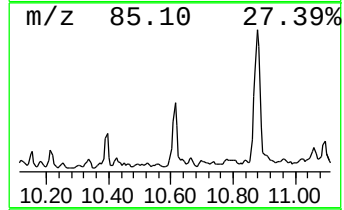
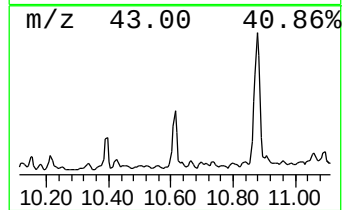
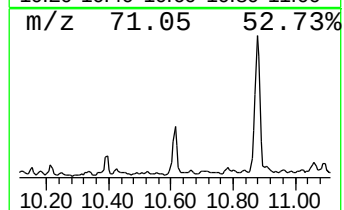
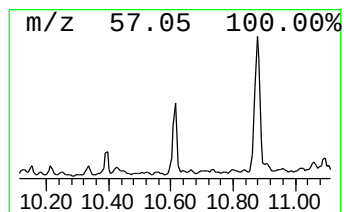
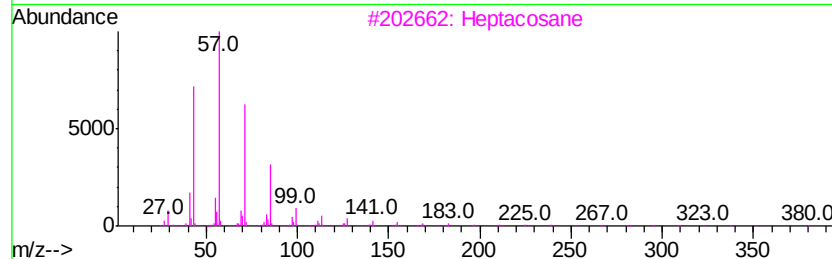
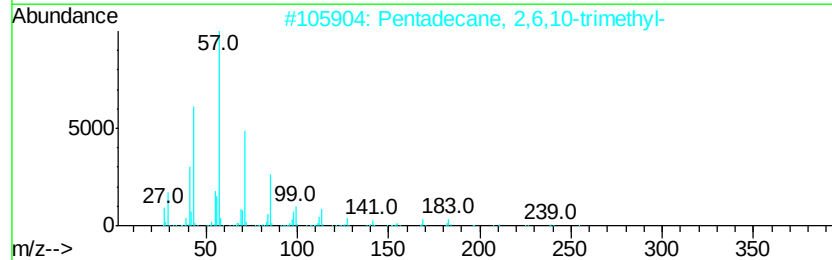
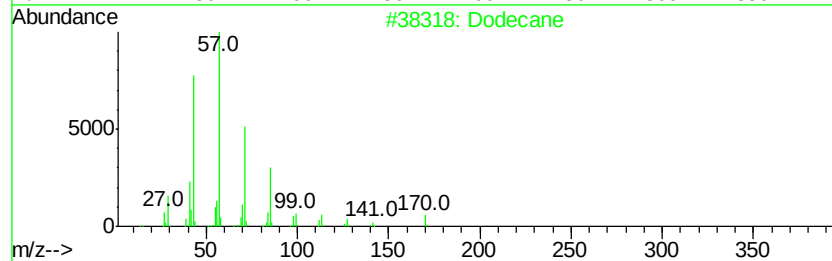
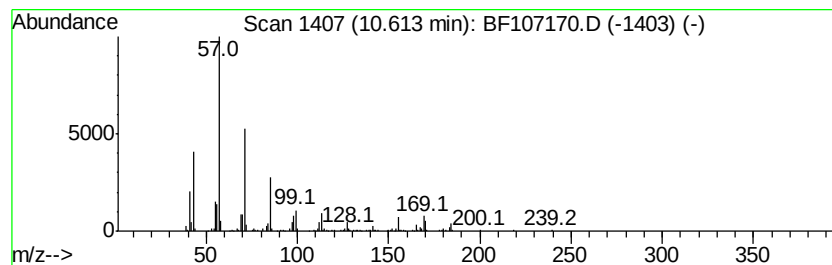
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	10.47 ng	286851	Acenaphthene-d10	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	87
2		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
3		Heptacosane	380	C27H56	000593-49-7	80
4		Tridecane	184	C13H28	000629-50-5	74
5		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
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Acq On : 6 Jul 2018 14:05
Operator : JU/SJ
Sample : J3815-01
Misc :
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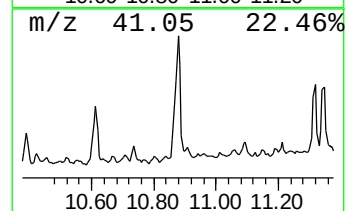
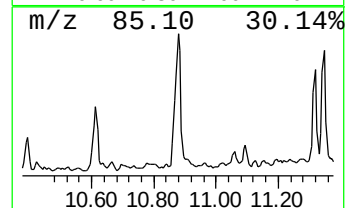
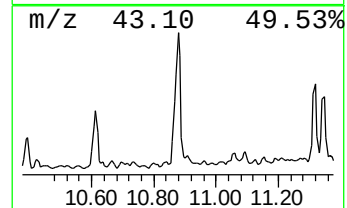
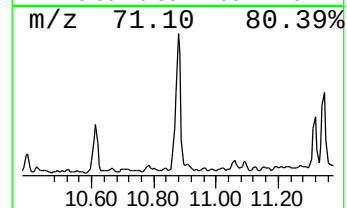
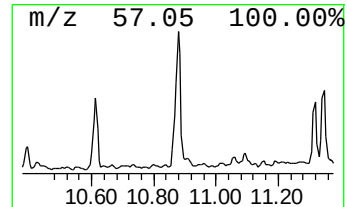
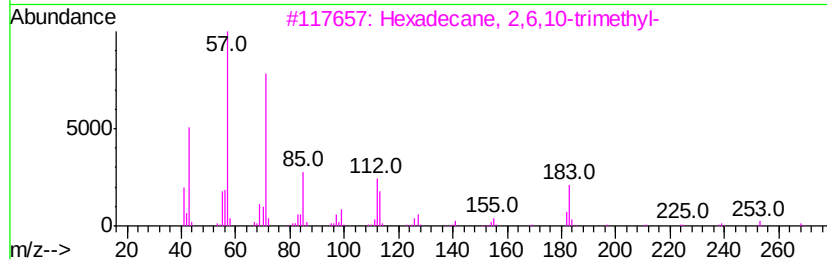
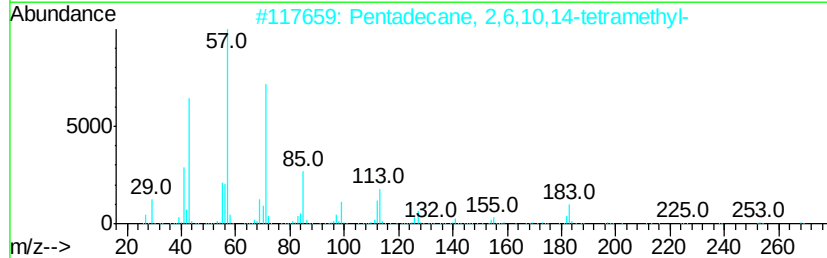
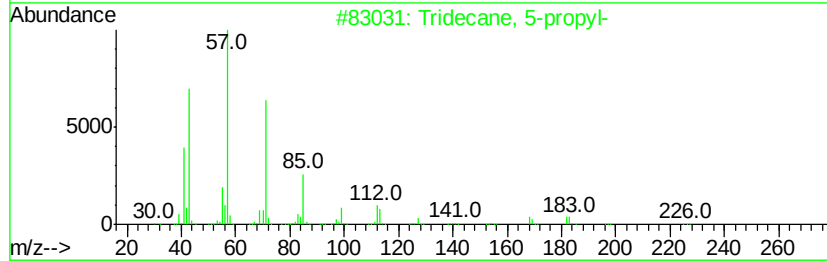
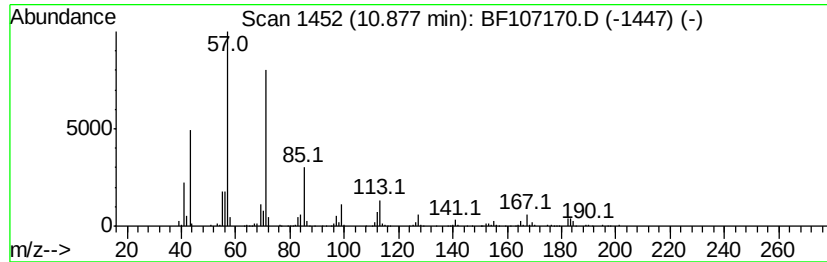
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tridecane, 5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.88	26.22 ng	785826	Phenanthrene-d10	11.48		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90	
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87	
3	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	86	
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78	
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
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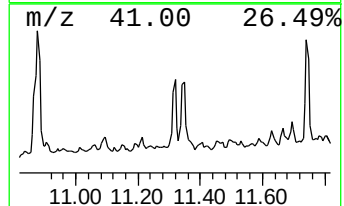
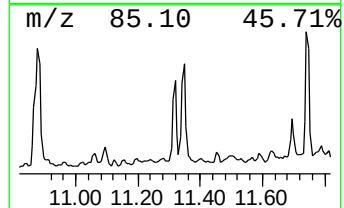
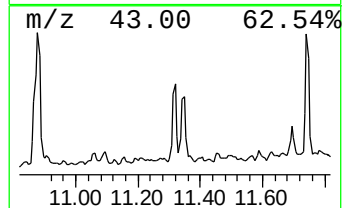
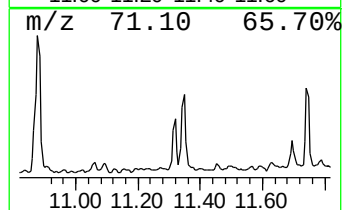
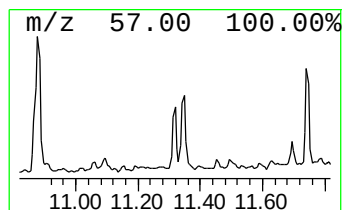
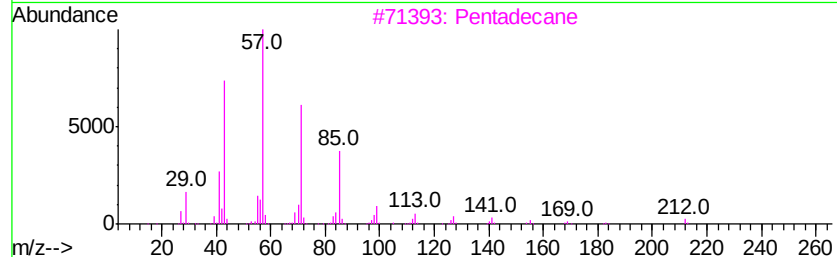
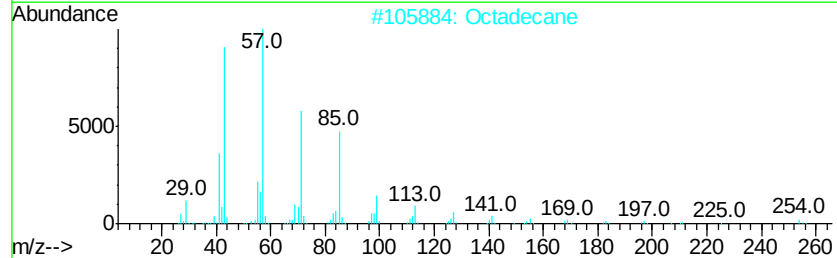
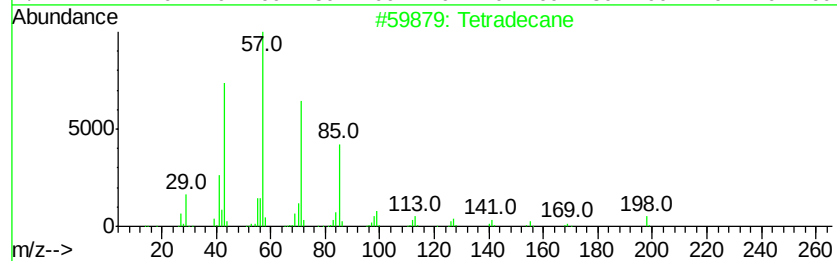
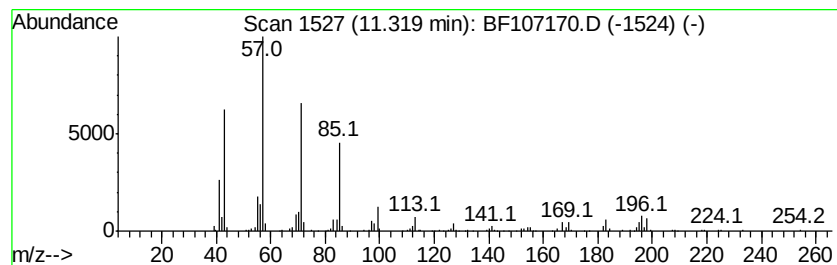
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tetradecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.32	9.06 ng	271592	Phenanthrene-d10		11.48
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	97
2	Octadecane	254	C18H38	000593-45-3	74
3	Pentadecane	212	C15H32	000629-62-9	74
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
5	Hexadecane	226	C16H34	000544-76-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107170.D
Acq On : 6 Jul 2018 14:05
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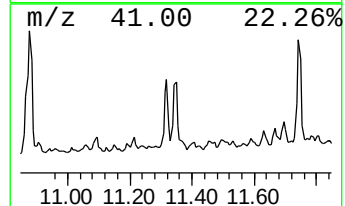
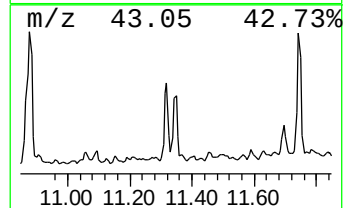
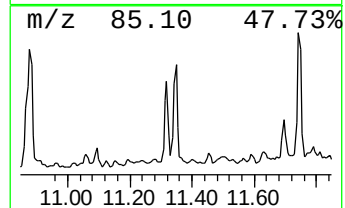
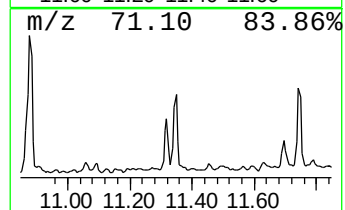
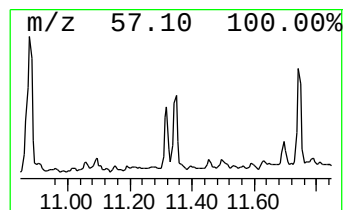
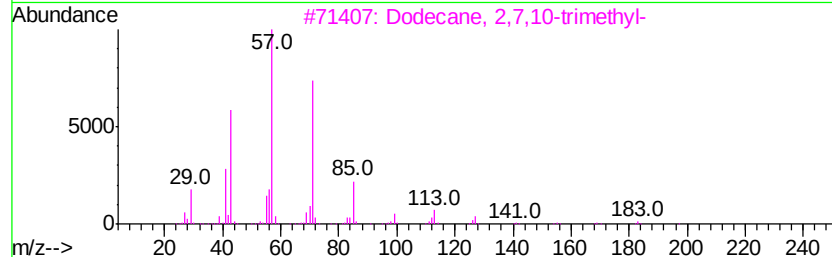
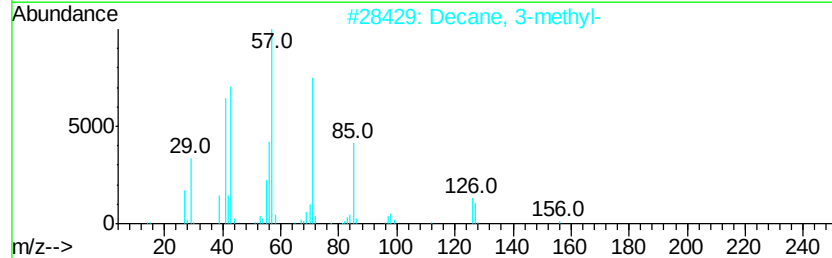
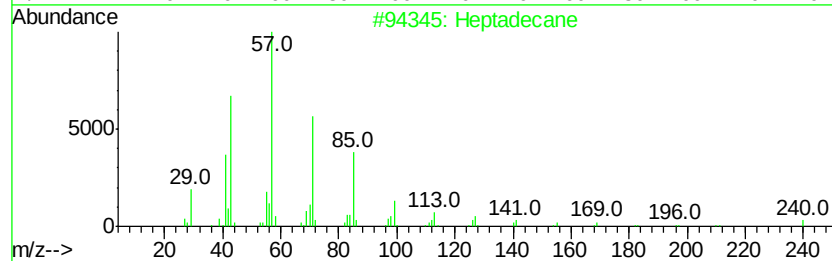
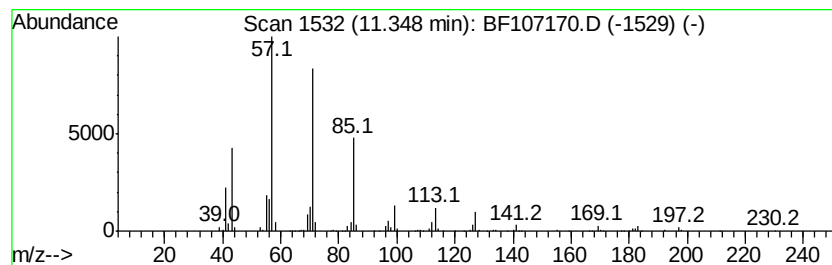
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	10.43 ng	312634	Phenanthrene-d10	11.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	90
2	Decane, 3-methyl-		156	C11H24	013151-34-3	72
3	Dodecane, 2,7,10-trimethyl-		212	C15H32	074645-98-0	72
4	Nonane, 5-(2-methylpropyl)-		184	C13H28	062185-53-9	72
5	Octadecane		254	C18H38	000593-45-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
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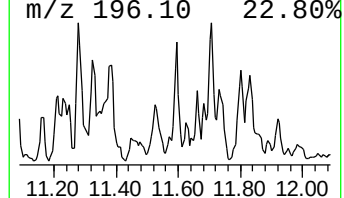
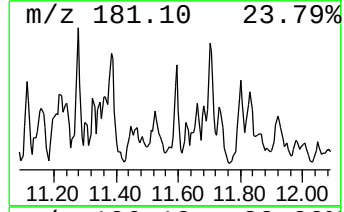
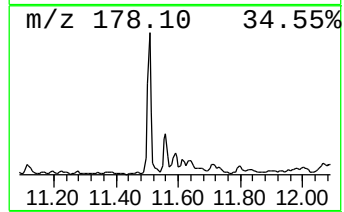
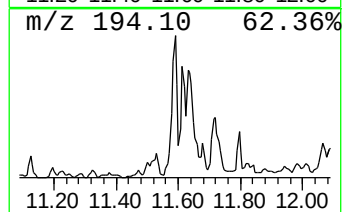
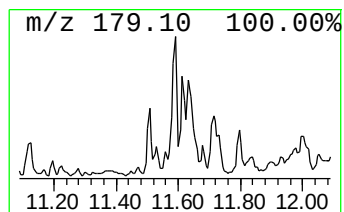
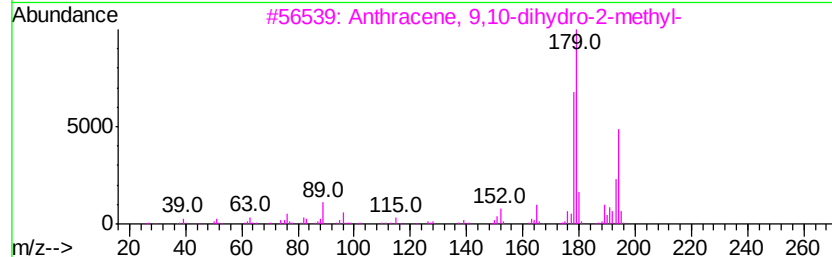
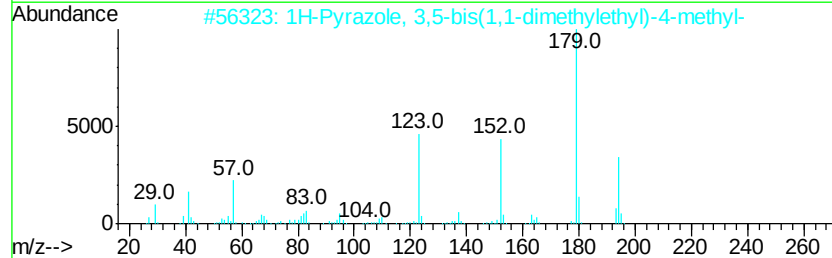
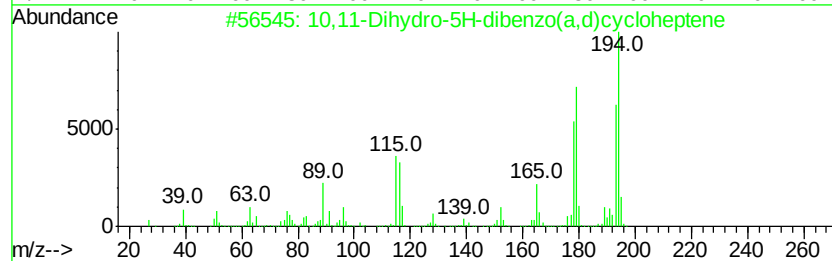
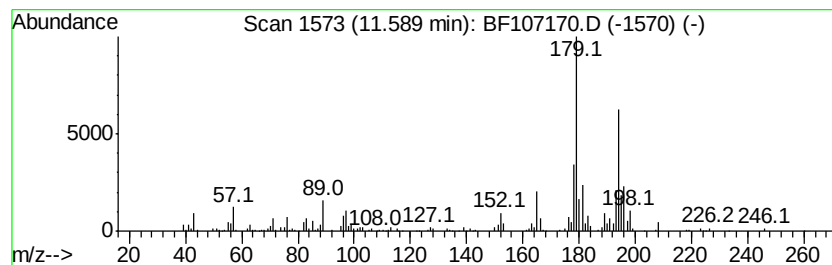
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 10,11-Dihydro-5H-dibenzo(a,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.59	10.01 ng	300164	Phenanthrene-d10	11.48	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,11-Dihydro-5H-dibenzo(a,d)cvc...	194	C15H14	000833-48-7	50
2	1H-Pyrazole, 3,5-bis(1,1-dimethy...	194	C12H22N2	018712-47-5	46
3	Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	46
4	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	46
5	Naphthalene, 2-(1-cyclopenten-1-...	194	C15H14	074793-18-3	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107170.D
Acq On : 6 Jul 2018 14:05
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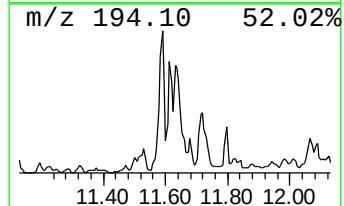
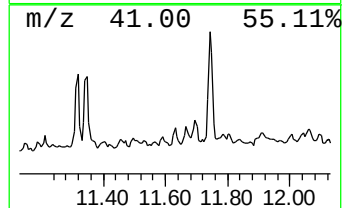
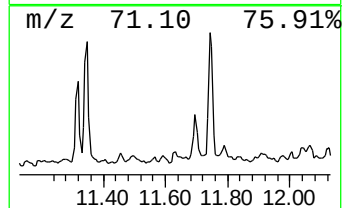
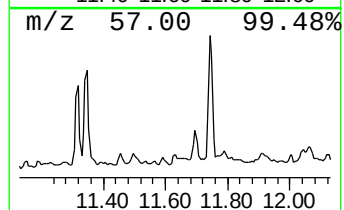
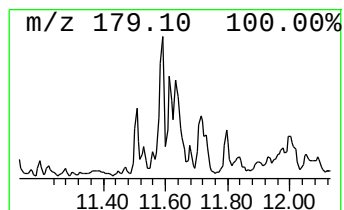
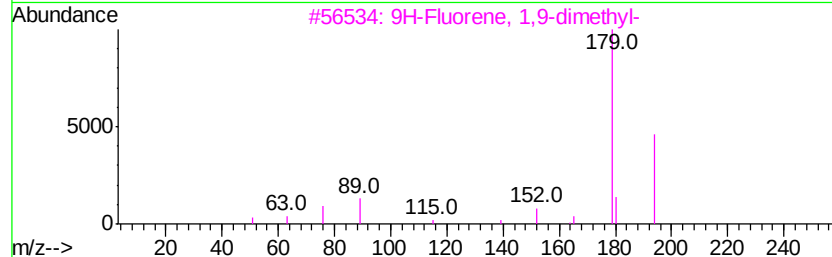
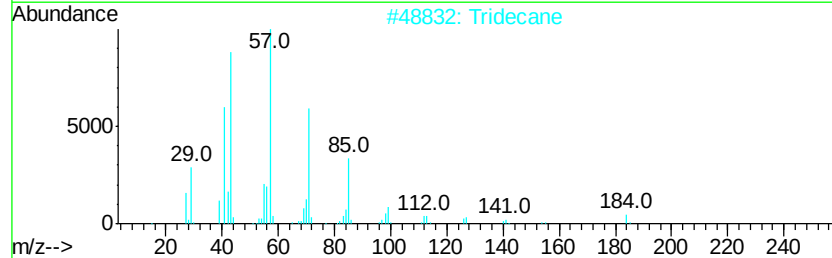
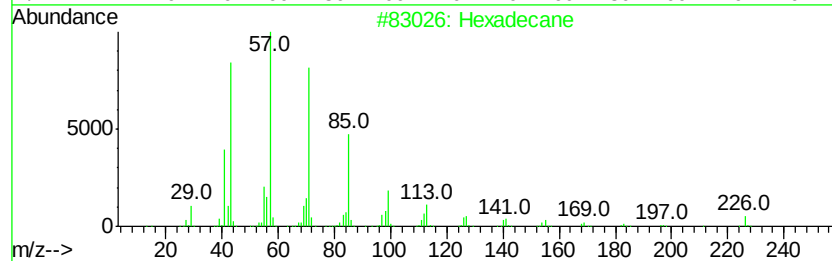
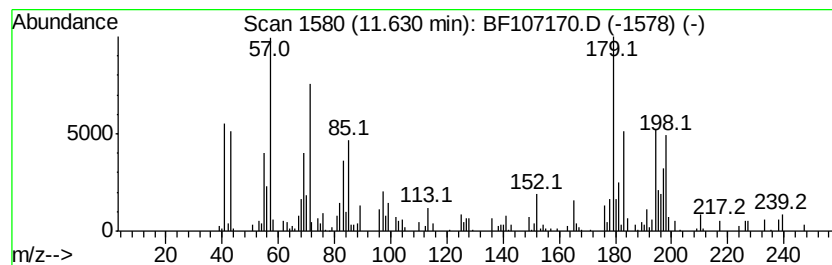
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown11.63 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	7.28 ng	218159	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	47
2		Tridecane	184	C13H28	000629-50-5	35
3		9H-Fluorene, 1,9-dimethyl-	194	C15H14	017057-98-6	20
4		Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	20
5		1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
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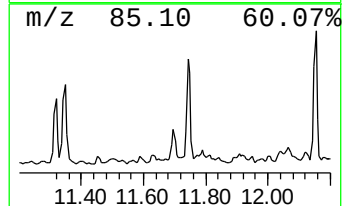
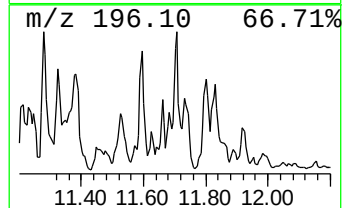
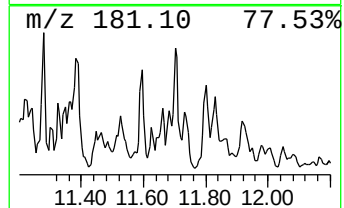
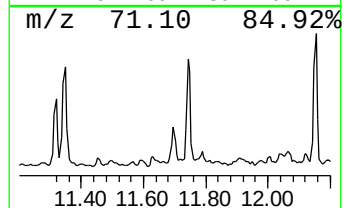
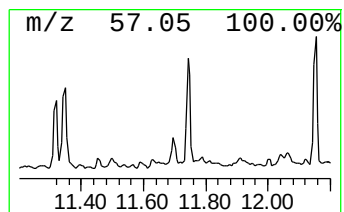
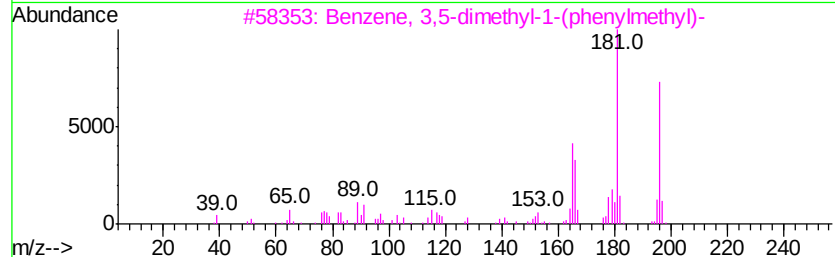
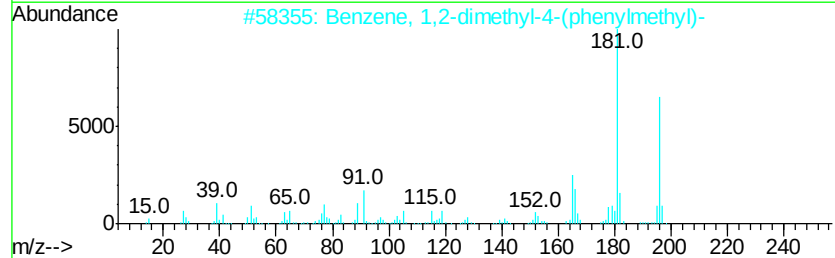
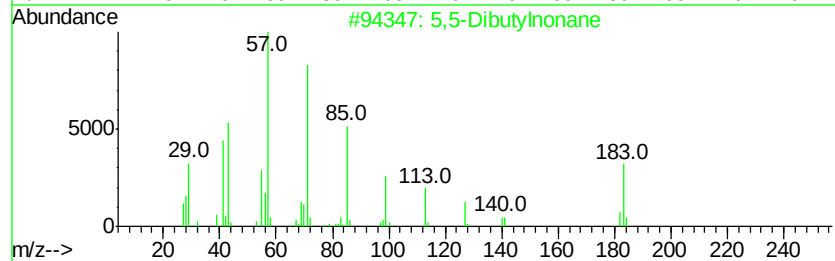
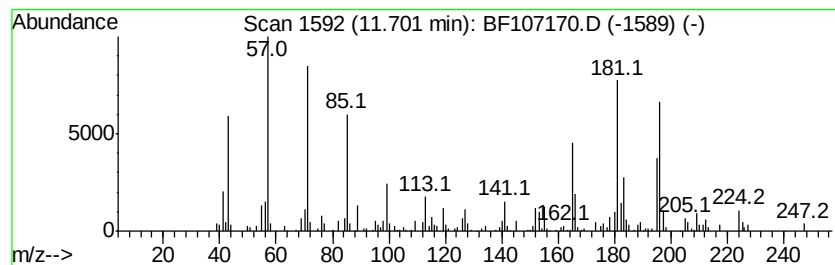
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown11.70 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	9.09 ng	272341	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,5-Dibutylnonane	240	C17H36	006008-17-9	41
2		Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	38
3		Benzene, 3,5-dimethyl-1-(phenylm...	196	C15H16	028122-27-2	38
4		Benzene, 2,6-dimethyl-1-(phenylm...	196	C15H16	028122-29-4	38
5		Pentadecane, 2-methyl-	226	C16H34	001560-93-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107170.D
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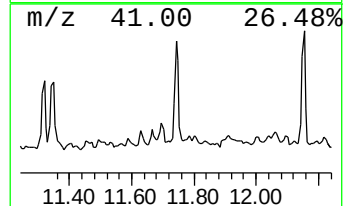
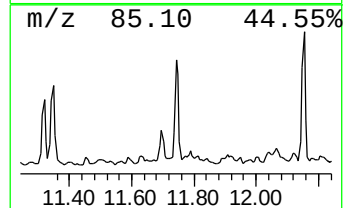
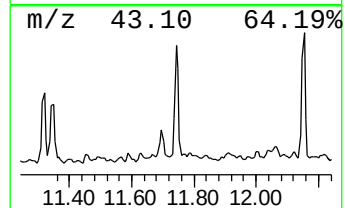
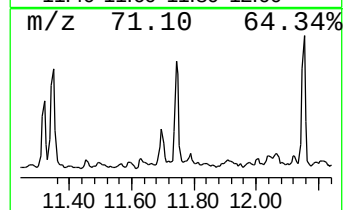
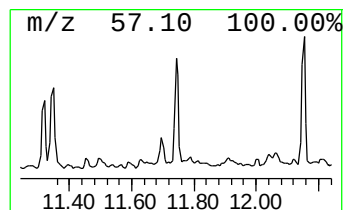
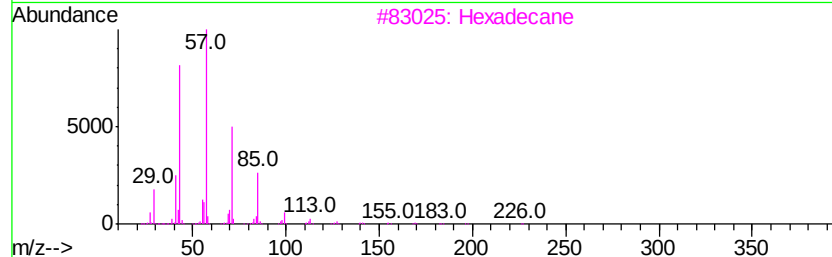
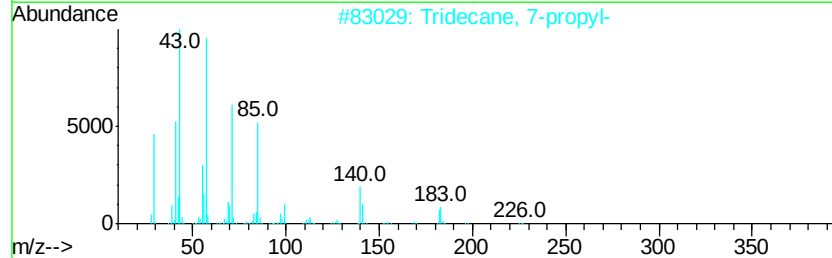
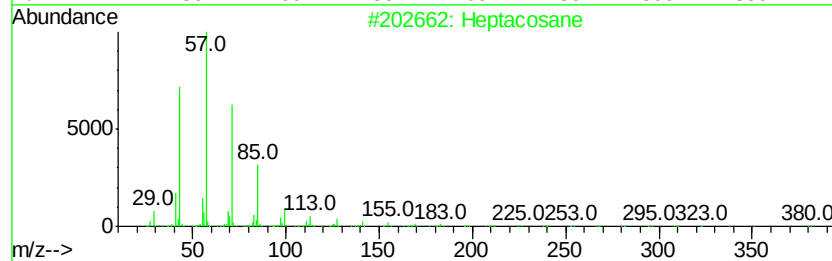
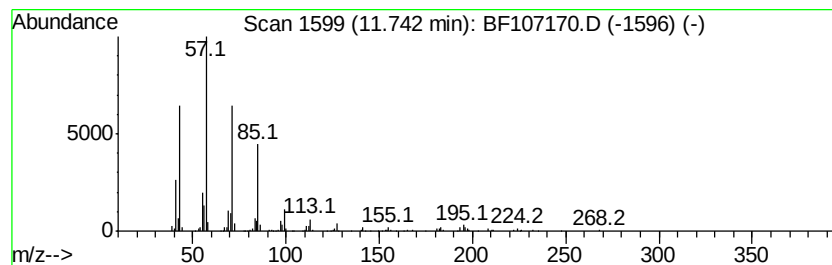
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heptacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	14.17 ng	424693	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	91
2		Tridecane, 7-propyl-	226	C16H34	055045-09-5	90
3		Hexadecane	226	C16H34	000544-76-3	90
4		Heneicosane	296	C21H44	000629-94-7	90
5		Heptadecane	240	C17H36	000629-78-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107170.D
Acq On : 6 Jul 2018 14:05
Operator : JU/SJ
Sample : J3815-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

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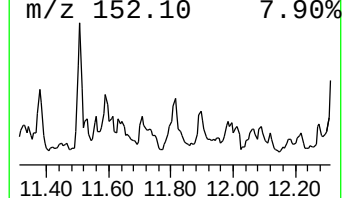
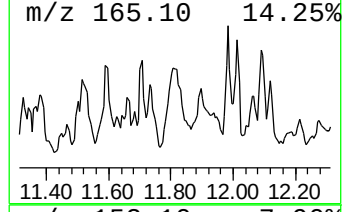
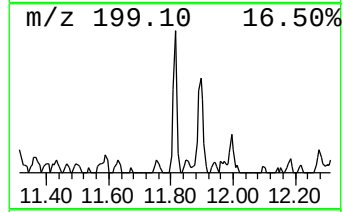
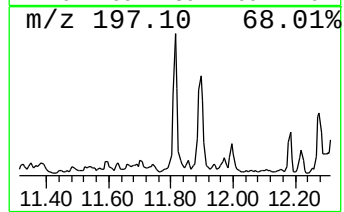
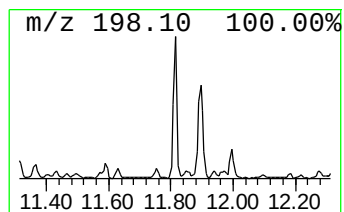
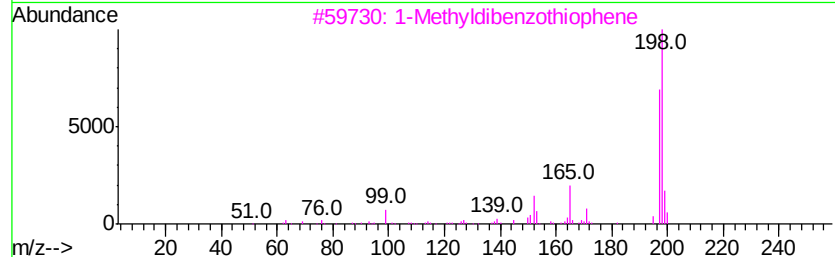
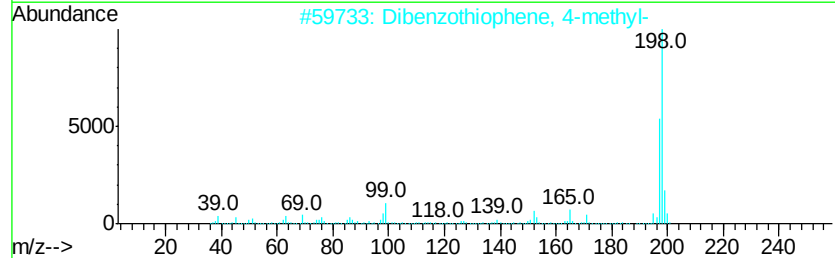
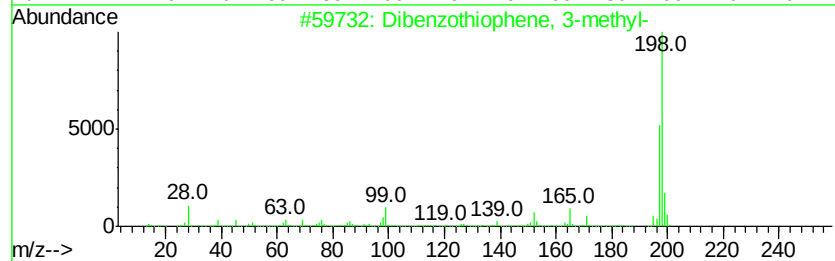
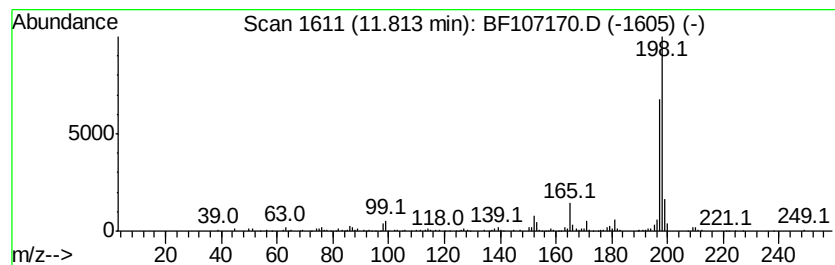
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dibenzothiophene, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	13.28 ng	398016	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
2		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
3		1-Methyl dibenzothiophene	198	C13H10S	031317-07-4	83
4		Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	72
5		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
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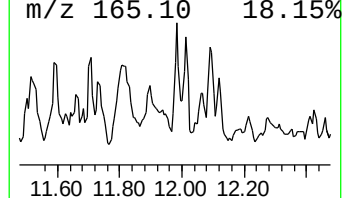
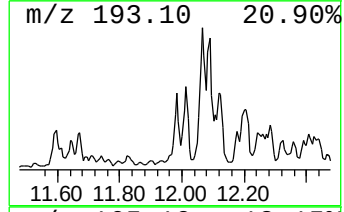
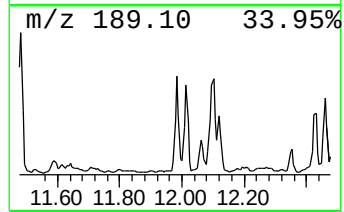
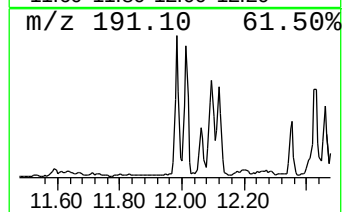
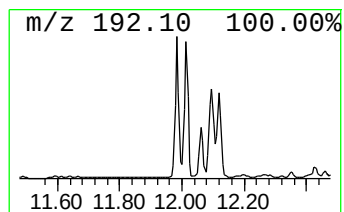
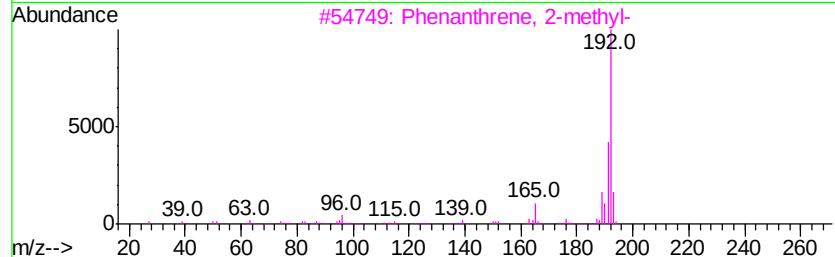
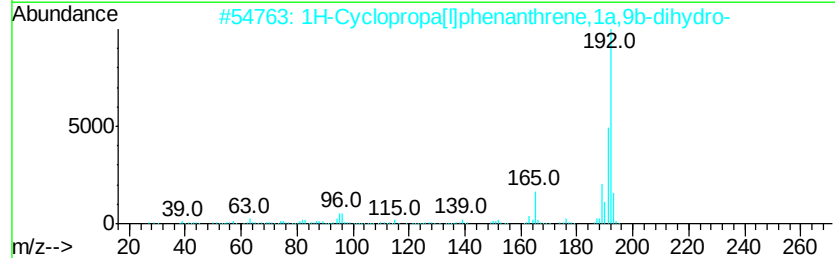
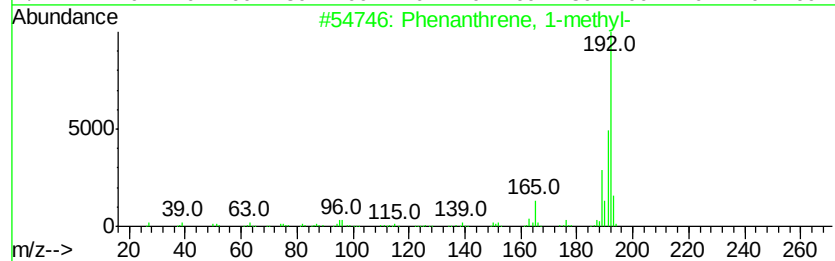
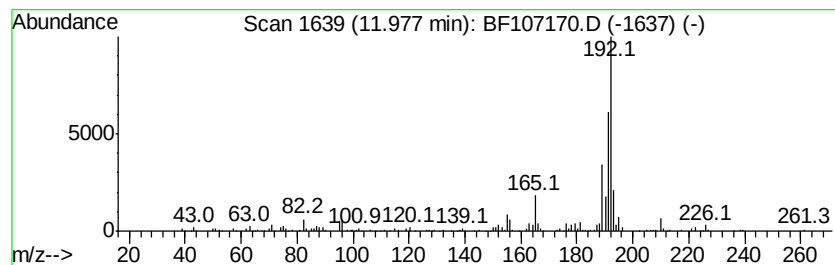
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	9.43 ng	282697	Phenanthrene-d10	11.48

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107170.D
Acq On : 6 Jul 2018 14:05
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Sample : J3815-01
Misc :
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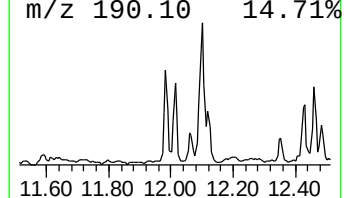
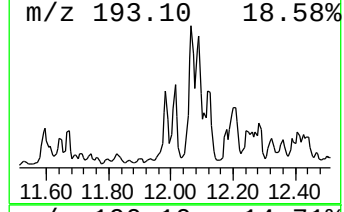
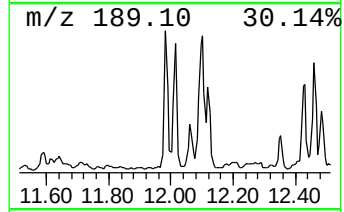
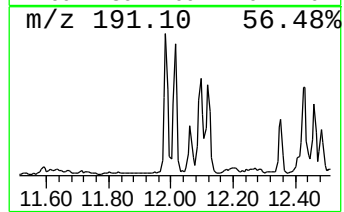
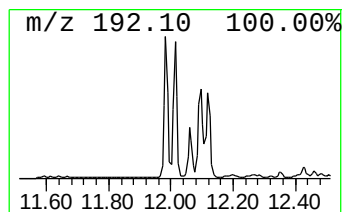
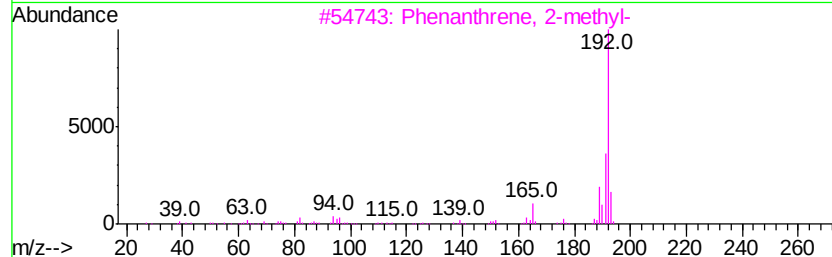
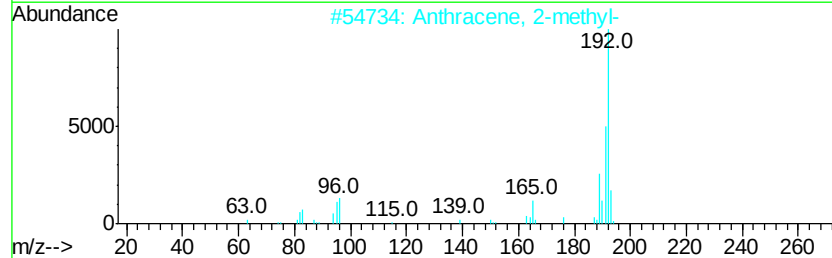
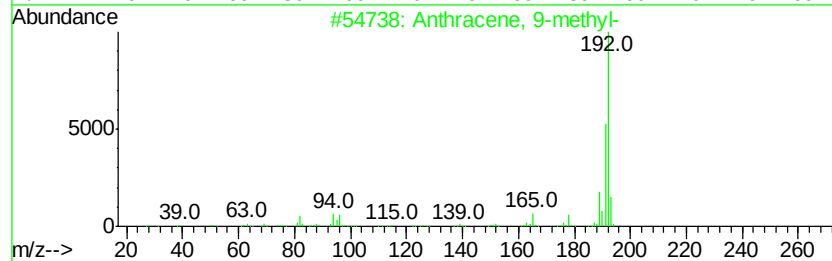
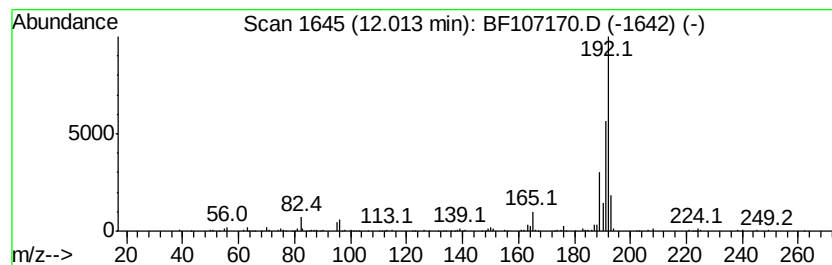
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	9.09 ng	272358	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
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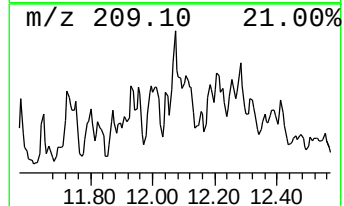
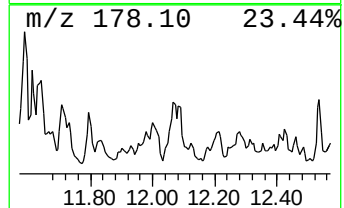
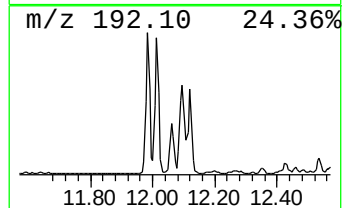
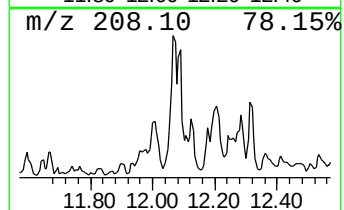
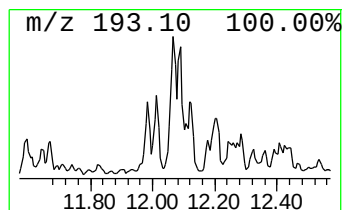
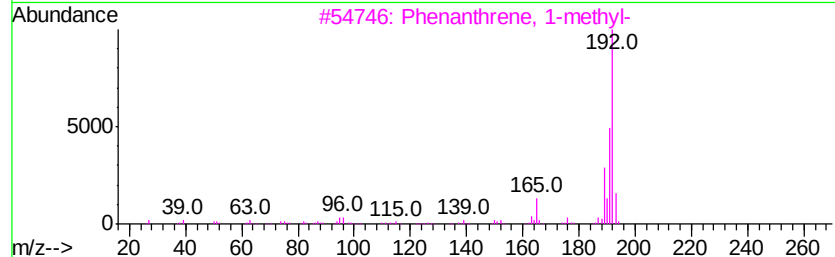
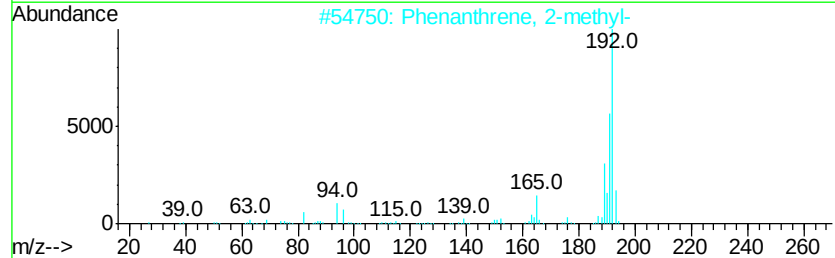
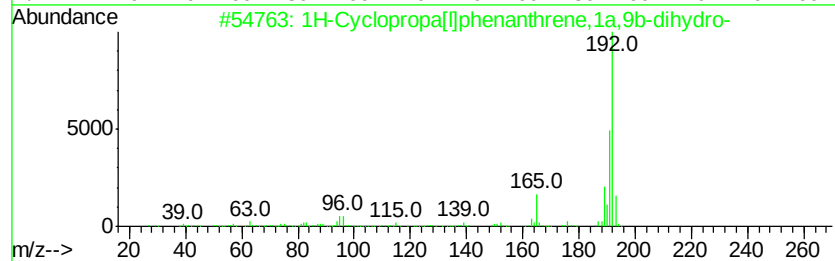
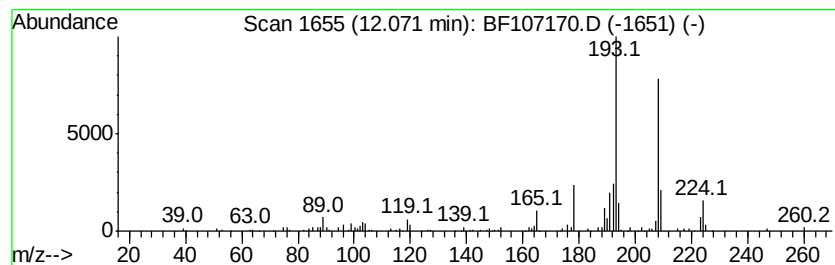
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	7.86 ng	235447	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	86
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107170.D
Acq On : 6 Jul 2018 14:05
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Sample : J3815-01
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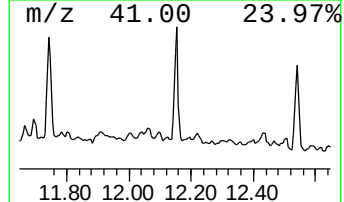
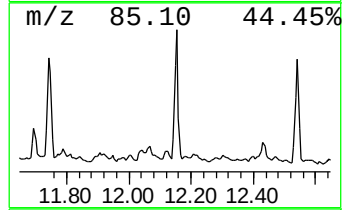
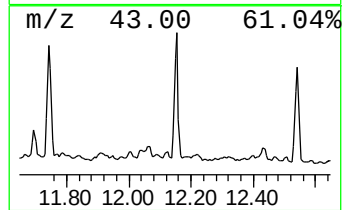
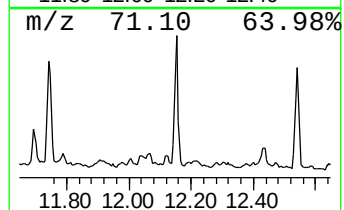
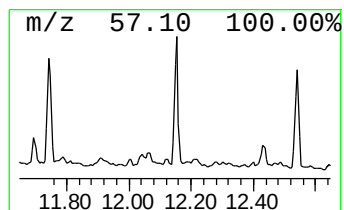
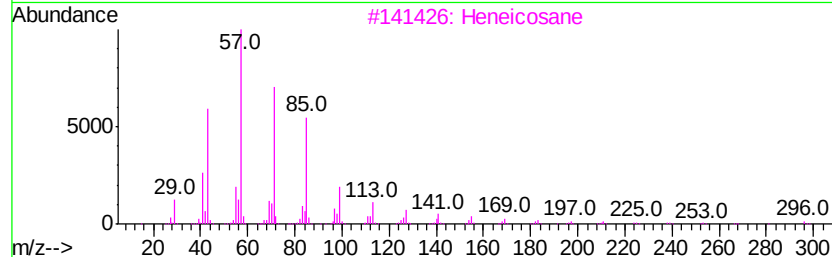
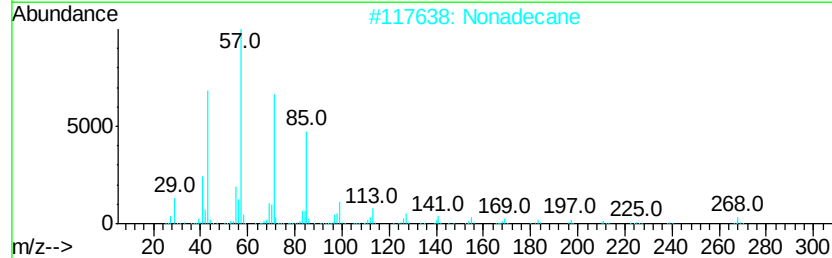
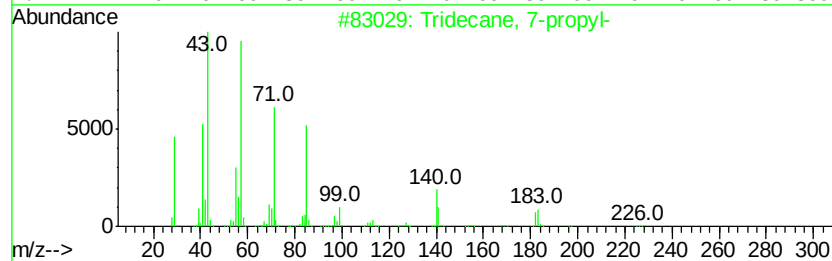
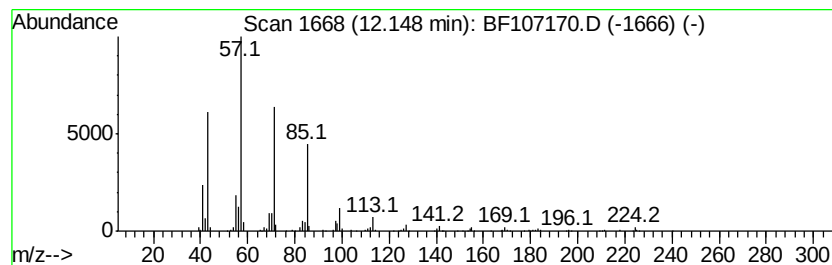
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Tridecane, 7-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	12.06 ng	361498	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	91
2		Nonadecane	268	C19H40	000629-92-5	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Eicosane	282	C20H42	000112-95-8	90
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
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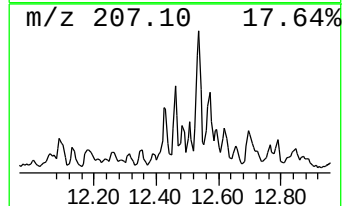
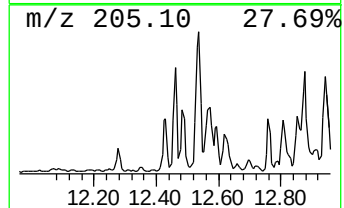
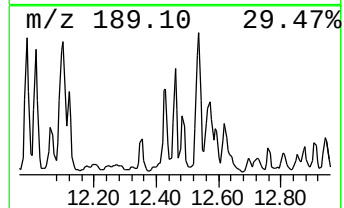
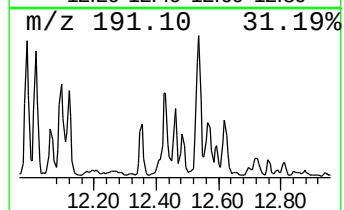
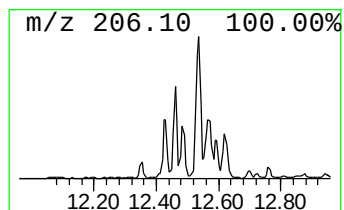
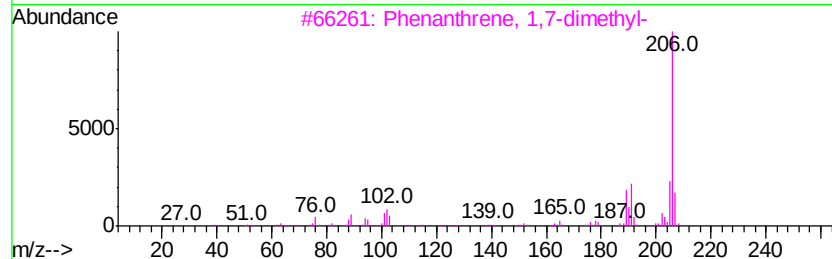
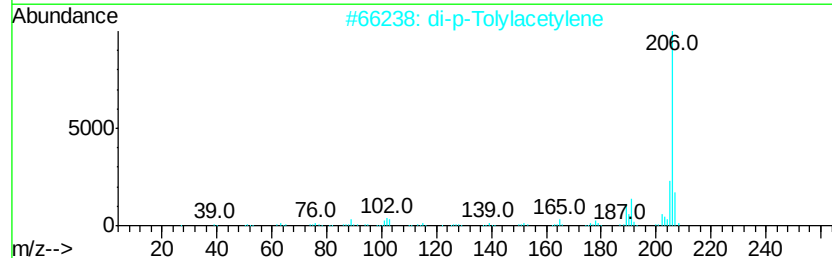
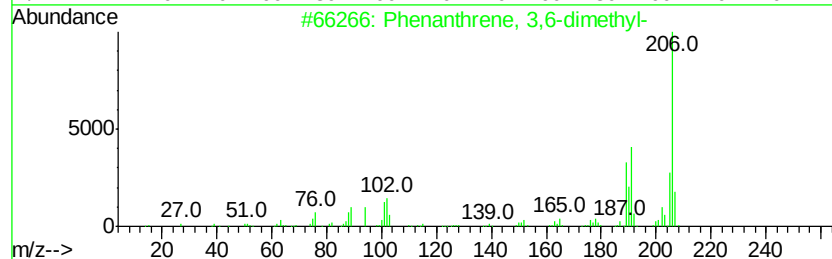
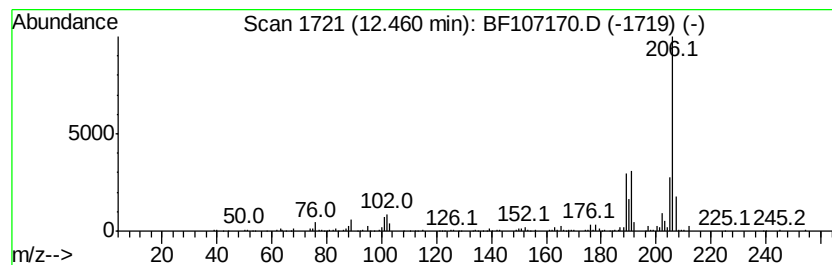
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	7.29 ng	218551	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
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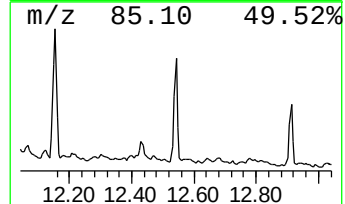
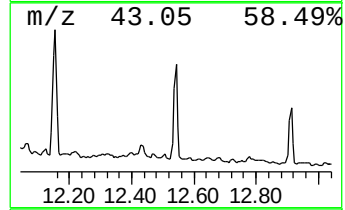
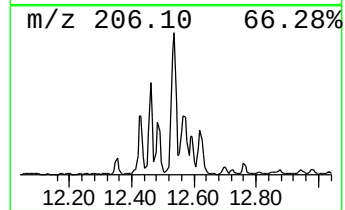
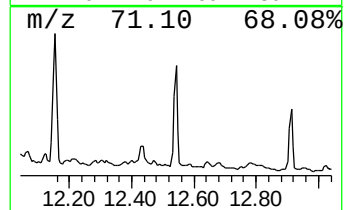
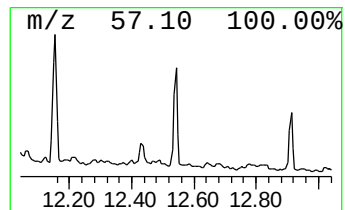
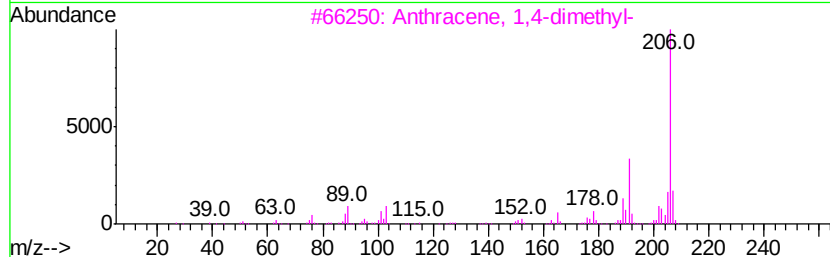
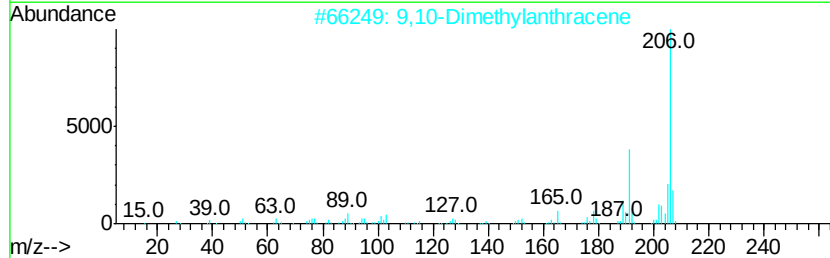
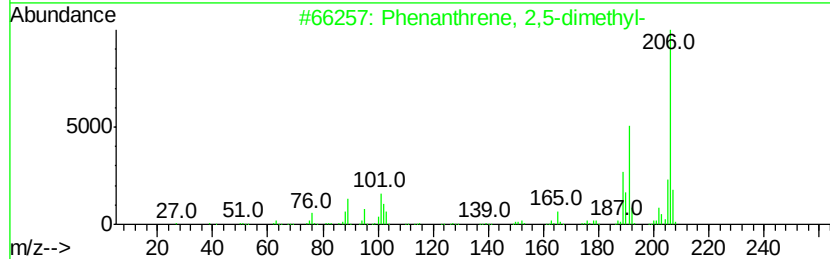
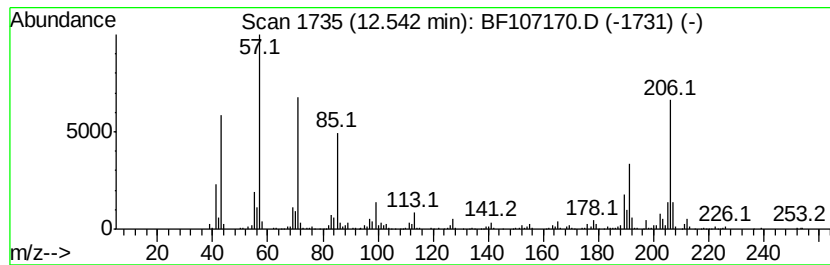
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	24.10 ng	722220	Phenanthrene-d10	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070618\
 Data File : BF107170.D
 Acq On : 6 Jul 2018 14:05
 Operator : JU/SJ
 Sample : J3815-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 964

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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...	5.18	7.7	ng	137064	1	6.94	356511	20.0
unknown6.72	6.72	60.5	ng	1078070	1	6.94	356511	20.0
Dodecane	10.61	10.5	ng	286851	3	9.99	547918	20.0
Tridecane, 5-propyl-	10.88	26.2	ng	785826	4	11.48	599456	20.0
Tetradecane	11.32	9.1	ng	271592	4	11.48	599456	20.0
Heptadecane	11.35	10.4	ng	312634	4	11.48	599456	20.0
10,11-Dihydro-5H-...	11.59	10.0	ng	300164	4	11.48	599456	20.0
unknown11.63	11.63	7.3	ng	218159	4	11.48	599456	20.0
unknown11.70	11.70	9.1	ng	272341	4	11.48	599456	20.0
Heptacosane	11.74	14.2	ng	424693	4	11.48	599456	20.0
Dibenzothiophene,...	11.81	13.3	ng	398016	4	11.48	599456	20.0
Phenanthrene, 1-m...	11.98	9.4	ng	282697	4	11.48	599456	20.0
Anthracene, 9-met...	12.01	9.1	ng	272358	4	11.48	599456	20.0
1H-Cyclopropa[l]p...	12.07	7.9	ng	235447	4	11.48	599456	20.0
Tridecane, 7-propyl-	12.15	12.1	ng	361498	4	11.48	599456	20.0
Phenanthrene, 3,6...	12.46	7.3	ng	218551	4	11.48	599456	20.0
Phenanthrene, 2,5...	12.54	24.1	ng	722220	4	11.48	599456	20.0