

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
 Data File : BF100635.D
 Acq On : 16 Nov 2017 17:20
 Operator : SJ/JU
 Sample : I6305-07 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-C

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-BF110817.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	5.487	575	578	582	rBV	417930	392261	10.96%	0.996%
2	6.492	746	749	757	rBV	432128	407619	11.39%	1.035%
3	6.645	771	775	778	rBV	529775	412065	11.51%	1.046%
4	6.881	812	815	819	rBV	648905	536496	14.99%	1.362%
5	7.034	838	841	845	rBV	346244	309198	8.64%	0.785%
6	7.439	906	910	913	rBV	289451	232491	6.50%	0.590%
7	8.163	1030	1033	1035	rBV	812053	662031	18.50%	1.681%
8	8.187	1035	1037	1040	rVB	576178	423215	11.83%	1.074%
9	8.875	1151	1154	1157	rBV	404101	299937	8.38%	0.761%
10	8.975	1166	1171	1175	rBV	318147	272772	7.62%	0.692%
11	9.233	1212	1215	1220	rVB	515240	386298	10.79%	0.981%
12	9.310	1225	1228	1230	rBV	121254	100622	2.81%	0.255%
13	9.498	1256	1260	1265	rVB2	150492	193784	5.41%	0.492%
14	9.575	1265	1273	1275	rBV	219441	236884	6.62%	0.601%
15	9.598	1275	1277	1280	rVV	129621	110789	3.10%	0.281%
16	9.692	1290	1293	1299	rVB	126656	131761	3.68%	0.334%
17	9.775	1304	1307	1312	rVB	147029	129665	3.62%	0.329%
18	9.839	1315	1318	1322	rVV	132530	105845	2.96%	0.269%
19	9.916	1328	1331	1334	rVV	735509	639356	17.86%	1.623%
20	9.951	1334	1337	1340	rVV	380762	312548	8.73%	0.793%
21	10.122	1360	1366	1369	rVB	425967	398370	11.13%	1.011%
22	10.157	1369	1372	1376	rBV2	94530	87332	2.44%	0.222%
23	10.228	1381	1384	1387	rBV2	63621	71198	1.99%	0.181%
24	10.339	1401	1403	1406	rVB	190785	137859	3.85%	0.350%
25	10.463	1420	1424	1428	rVB	802125	691536	19.32%	1.756%
26	10.622	1446	1451	1454	rVB2	154069	160826	4.49%	0.408%
27	10.698	1458	1464	1468	rBV	284598	316607	8.85%	0.804%
28	10.810	1480	1483	1492	rVB2	161634	223071	6.23%	0.566%
29	11.010	1512	1517	1520	rBV2	155586	176514	4.93%	0.448%
30	11.039	1520	1522	1525	rVB2	89561	69858	1.95%	0.177%
31	11.263	1554	1560	1562	rVV2	154890	175746	4.91%	0.446%
32	11.298	1562	1566	1571	rVB	247296	254817	7.12%	0.647%
33	11.404	1580	1584	1586	rBV	607753	604007	16.88%	1.533%
34	11.433	1586	1589	1592	rVV	2649649	2288529	63.95%	5.810%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.480	1594	1597	1600	rVV	802614	629881	17.60%	1.599%
36	11.510	1600	1602	1605	rVV2	70409	74690	2.09%	0.190%
37	11.627	1616	1622	1629	rBV	251005	302808	8.46%	0.769%
38	11.686	1629	1632	1638	rVV2	137378	191602	5.35%	0.486%
39	11.733	1638	1640	1646	rVV3	84639	92462	2.58%	0.235%
40	11.786	1646	1649	1652	rVV	1361509	1206755	33.72%	3.064%
41	11.904	1663	1669	1671	rBV	343318	317719	8.88%	0.807%
42	11.933	1671	1674	1679	rVB	462020	385153	10.76%	0.978%
43	11.980	1679	1682	1685	rBV	147395	133025	3.72%	0.338%
44	12.016	1685	1688	1691	rVV2	554047	631112	17.63%	1.602%
45	12.039	1691	1692	1695	rVB	232908	118991	3.32%	0.302%
46	12.092	1696	1701	1706	rBV2	99193	136029	3.80%	0.345%
47	12.198	1716	1719	1721	rBV	228806	180850	5.05%	0.459%
48	12.222	1721	1723	1726	rVB2	84638	70560	1.97%	0.179%
49	12.451	1758	1762	1763	rBV	152820	143901	4.02%	0.365%
50	12.480	1763	1767	1769	rVV	3195538	3578833	100.00%	9.085%
51	12.498	1769	1770	1776	rVV	2894065	2588250	72.32%	6.571%
52	12.580	1781	1784	1787	rVB	741732	547354	15.29%	1.390%
53	12.622	1787	1791	1794	rBV	2214914	2024055	56.56%	5.138%
54	12.769	1809	1816	1819	rBV2	103870	135306	3.78%	0.343%
55	12.851	1822	1830	1835	rVB2	1899188	2136231	59.69%	5.423%
56	12.898	1835	1838	1842	rVB2	97469	125519	3.51%	0.319%
57	12.963	1846	1849	1850	rBV	111475	93303	2.61%	0.237%
58	12.980	1850	1852	1855	rVB	268073	225296	6.30%	0.572%
59	13.063	1861	1866	1869	rBV2	156646	250697	7.00%	0.636%
60	13.092	1869	1871	1873	rVV	86704	74126	2.07%	0.188%
61	13.145	1876	1880	1881	rVV3	175374	210499	5.88%	0.534%
62	13.174	1882	1885	1888	rVV	426050	425916	11.90%	1.081%
63	13.210	1888	1891	1892	rVV2	99373	87820	2.45%	0.223%
64	13.239	1892	1896	1899	rVV	442609	442364	12.36%	1.123%
65	13.274	1899	1902	1905	rVV2	211871	228787	6.39%	0.581%
66	13.304	1905	1907	1910	rVV	123553	103562	2.89%	0.263%
67	13.369	1915	1918	1921	rVV	127031	103770	2.90%	0.263%
68	13.398	1921	1923	1930	rVB2	125581	159794	4.46%	0.406%
69	13.551	1946	1949	1951	rBV3	65145	70896	1.98%	0.180%
70	13.651	1963	1966	1968	rBV2	56547	72431	2.02%	0.184%
71	13.680	1969	1971	1975	rVV3	85712	109423	3.06%	0.278%

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72	13.733	1975	1980	1983	rVB4	78557	131989	3.69%	0.335%
73	13.792	1987	1990	1992	rVV	148850	148855	4.16%	0.378%
74	13.821	1992	1995	1997	rVV	159165	162661	4.55%	0.413%
75	13.845	1997	1999	2002	rVV2	130585	175763	4.91%	0.446%
76	13.880	2002	2005	2009	rVB3	84696	110434	3.09%	0.280%
77	13.968	2017	2020	2024	rVB2	75667	89802	2.51%	0.228%
78	14.039	2025	2032	2035	rBV3	1230481	1812105	50.63%	4.600%
79	14.068	2035	2037	2043	rVB	925423	816557	22.82%	2.073%
80	14.151	2048	2051	2053	rVV	141549	124797	3.49%	0.317%
81	14.186	2054	2057	2061	rVV3	68331	95093	2.66%	0.241%
82	14.263	2066	2070	2073	rBV2	84869	107158	2.99%	0.272%
83	14.427	2093	2098	2101	rVV	207387	258497	7.22%	0.656%
84	14.457	2101	2103	2106	rVV	102022	103261	2.89%	0.262%
85	14.498	2108	2110	2112	rVV3	79053	97245	2.72%	0.247%
86	14.521	2112	2114	2116	rVV	132481	113737	3.18%	0.289%
87	14.551	2116	2119	2121	rVV	130217	125196	3.50%	0.318%
88	14.574	2121	2123	2127	rVB2	139602	129205	3.61%	0.328%
89	14.927	2179	2183	2190	rVB2	126185	186301	5.21%	0.473%
90	15.086	2205	2210	2213	rBV	643533	1033849	28.89%	2.625%
91	15.192	2225	2228	2232	rVB	164272	162105	4.53%	0.412%
92	15.392	2258	2262	2268	rVB	382587	478168	13.36%	1.214%
93	15.457	2268	2273	2279	rBV	604238	765680	21.39%	1.944%
94	15.521	2279	2284	2287	rBV	519225	697398	19.49%	1.770%
95	15.551	2287	2289	2294	rVB2	172632	203285	5.68%	0.516%
96	16.080	2377	2379	2386	rVB2	53034	81170	2.27%	0.206%
97	16.227	2401	2404	2410	rVB3	57022	87357	2.44%	0.222%
98	16.998	2530	2535	2543	rVB2	189758	373921	10.45%	0.949%
99	17.445	2607	2611	2622	rVB	127536	267742	7.48%	0.680%
100	17.680	2649	2651	2659	rVB3	48160	89654	2.51%	0.228%

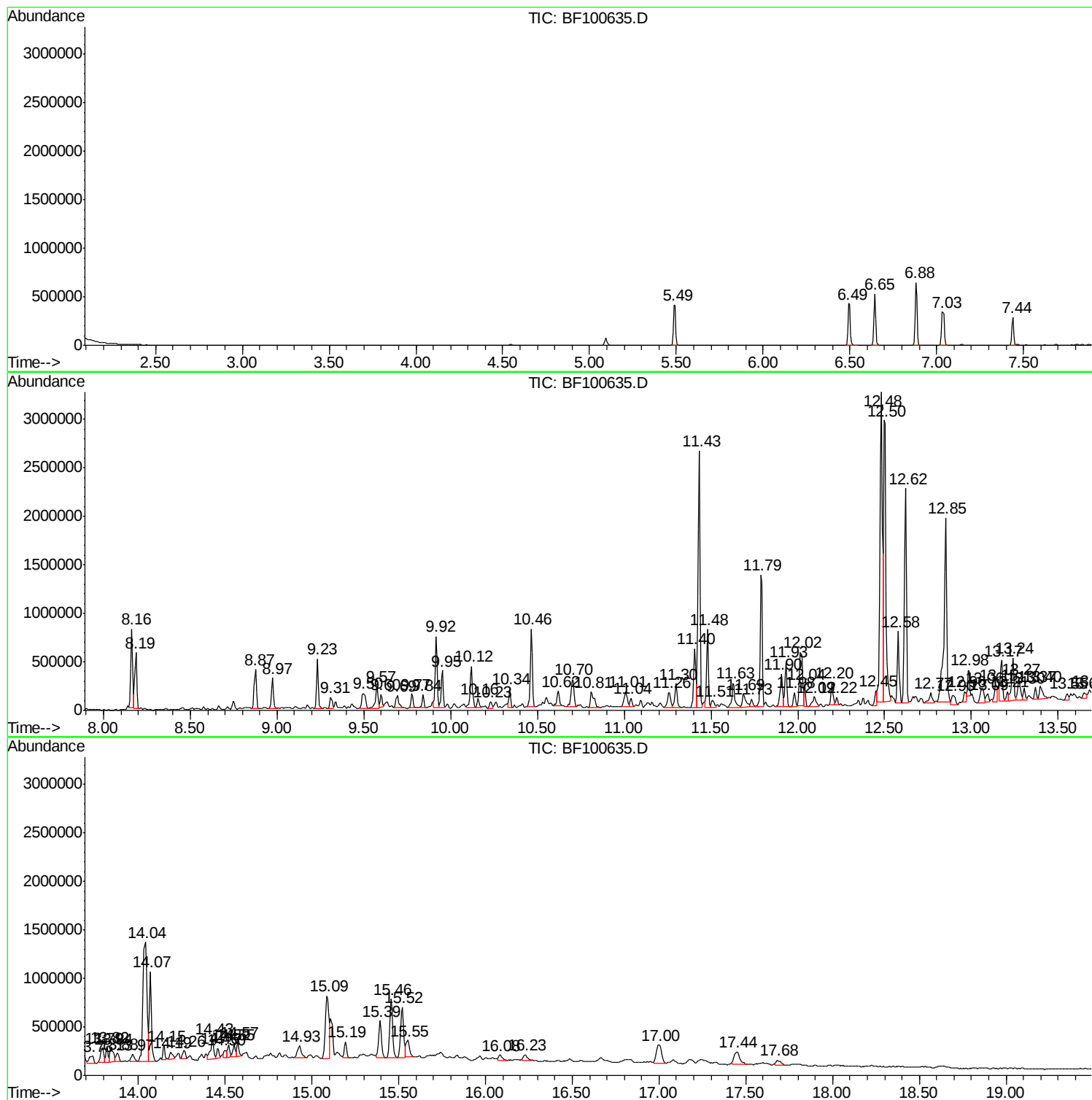
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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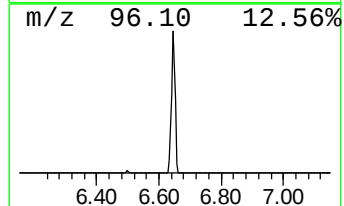
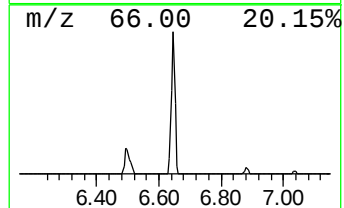
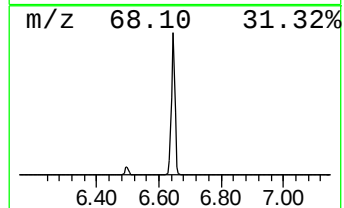
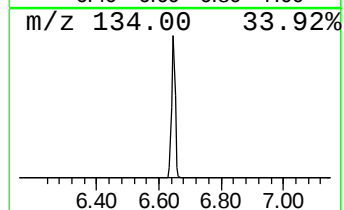
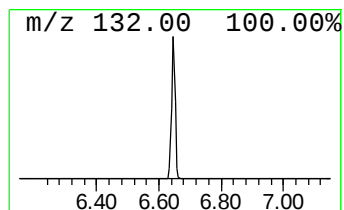
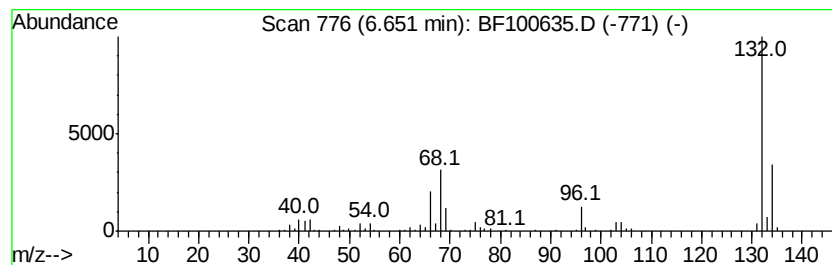
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.65 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	15.36 ng	412065	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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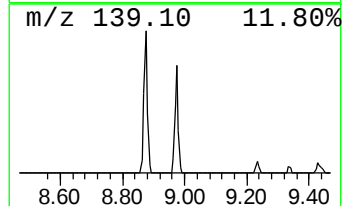
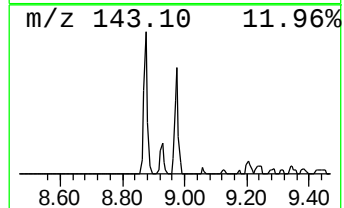
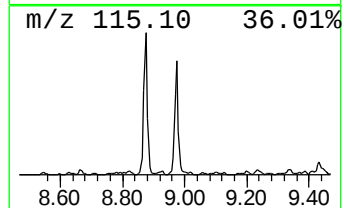
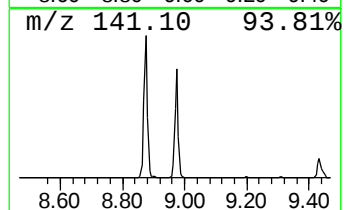
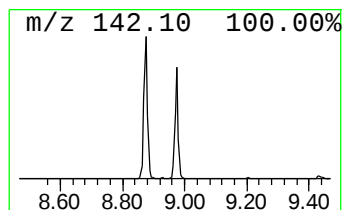
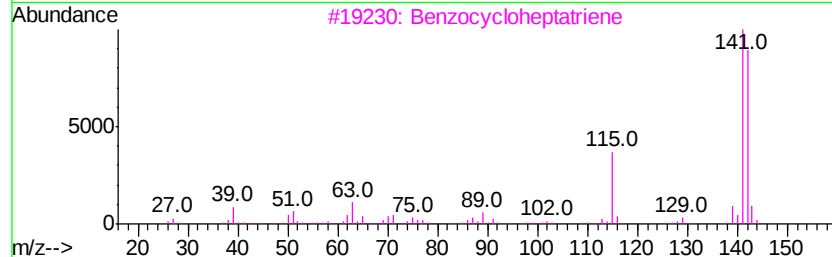
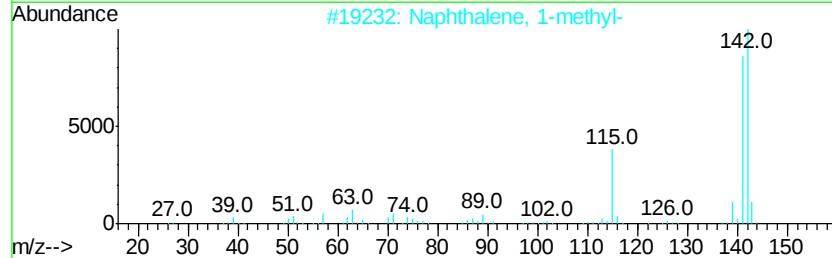
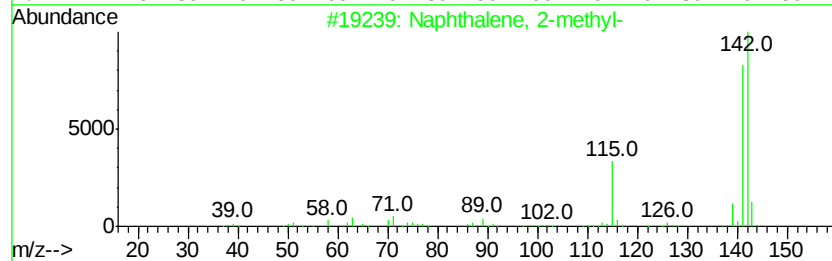
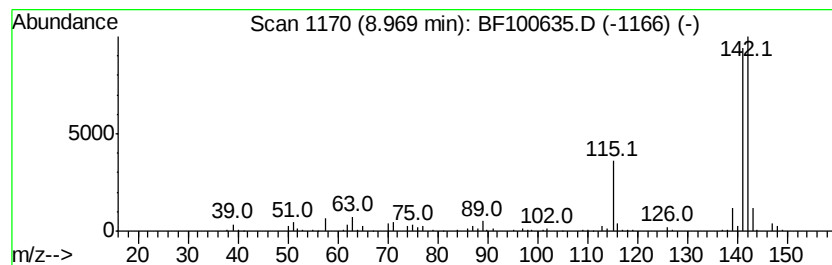
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	8.24 ng	272772	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59



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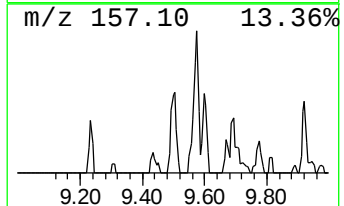
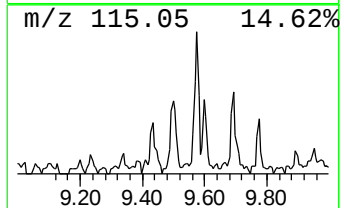
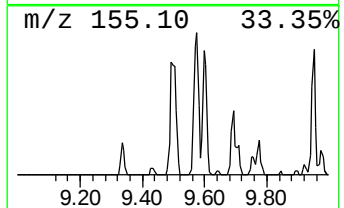
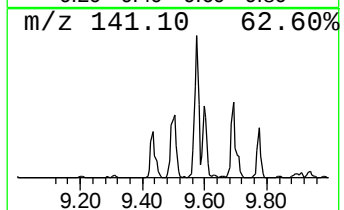
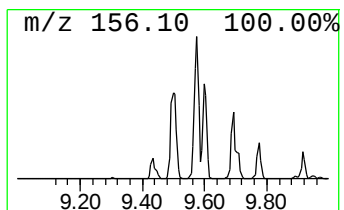
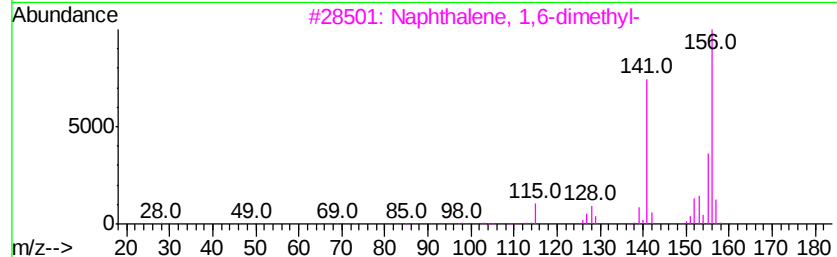
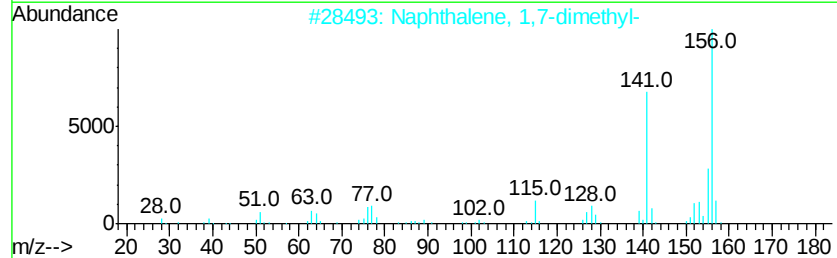
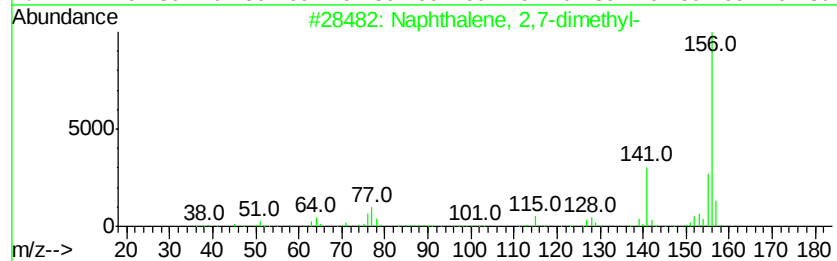
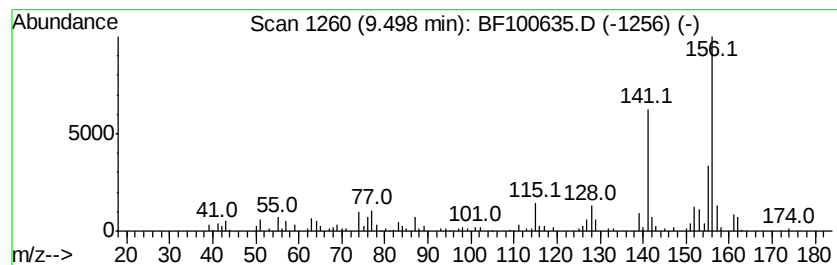
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Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	6.06 ng	193784	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



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Sample : I6305-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-C

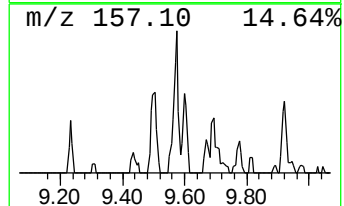
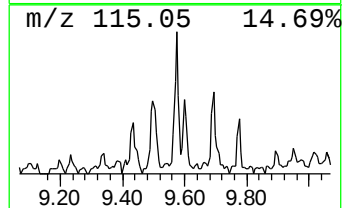
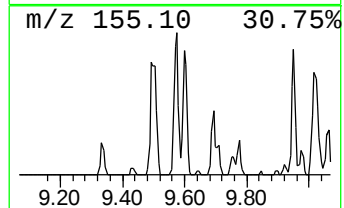
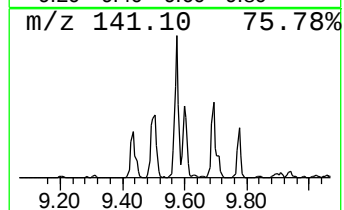
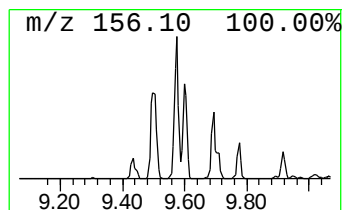
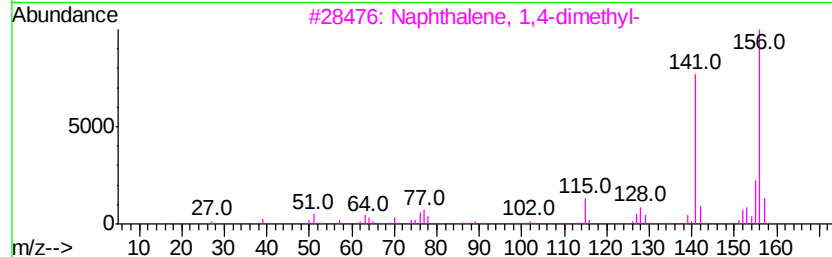
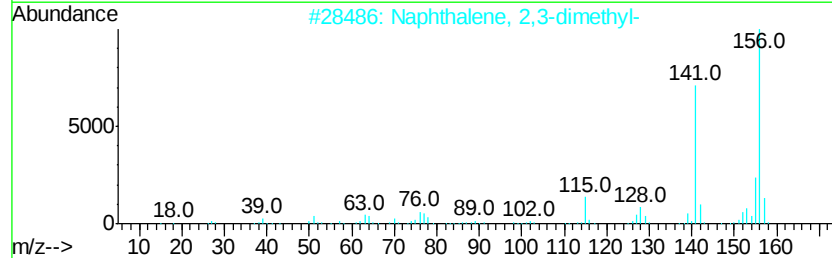
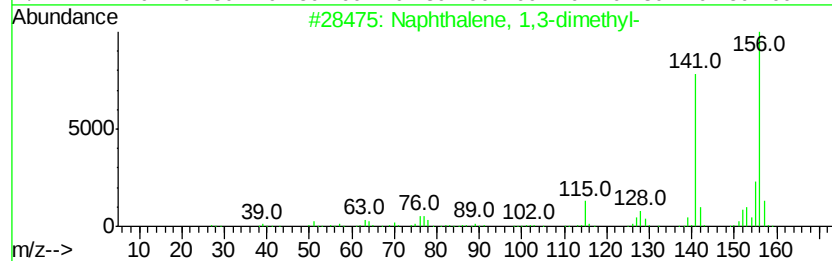
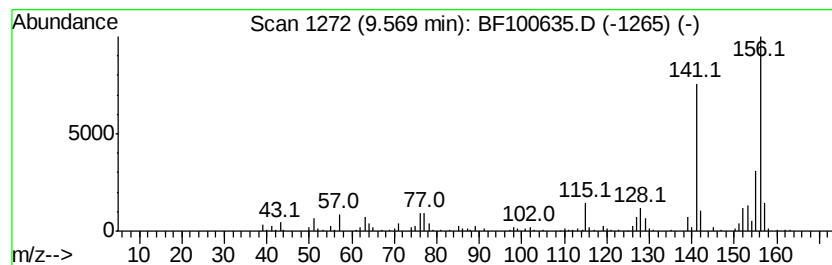
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	7.41 ng	236884	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111617\
Data File : BF100635.D
Acq On : 16 Nov 2017 17:20
Operator : SJ/JU
Sample : I6305-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

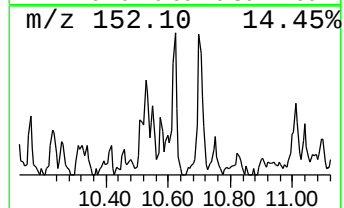
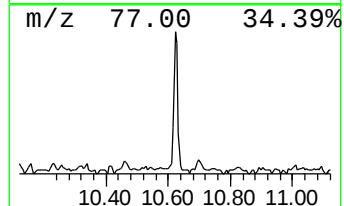
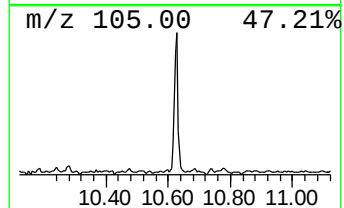
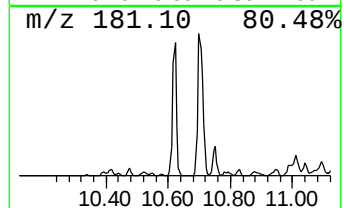
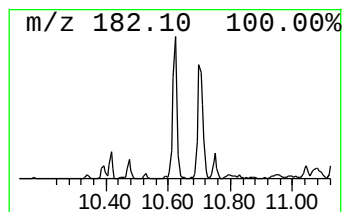
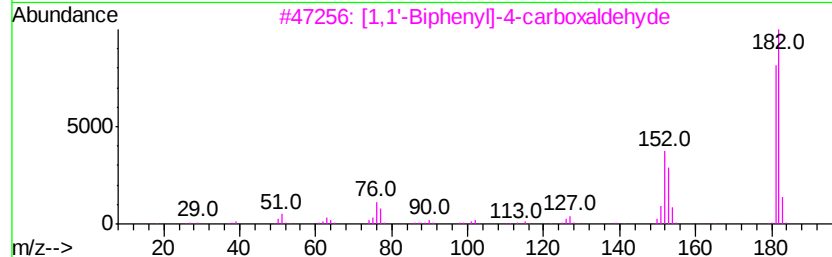
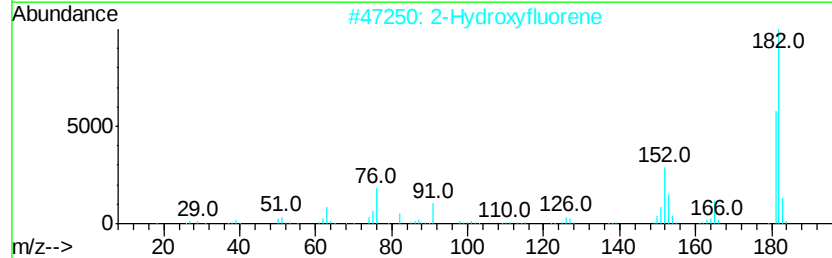
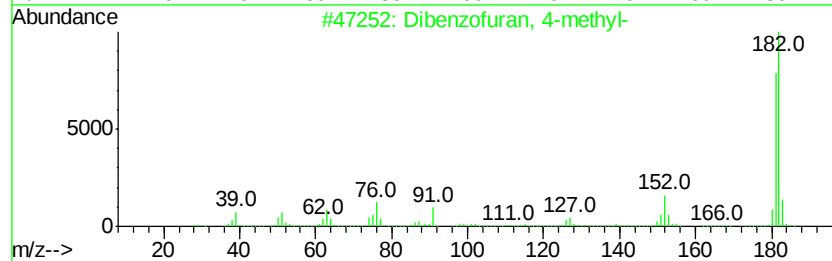
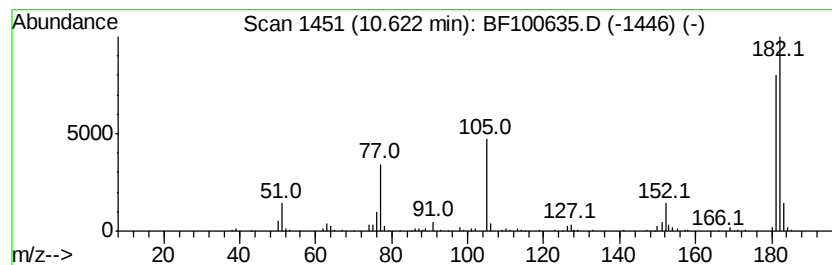
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.62	5.03 ng	160826	Acenaphthene-d10	9.92	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	2-Hydroxyfluorene	182	C13H10O	002443-58-5	83
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
4	9H-Fluorene-9-ol	182	C13H10O	001689-64-1	72
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111617\
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Acq On : 16 Nov 2017 17:20
Operator : SJ/JU
Sample : I6305-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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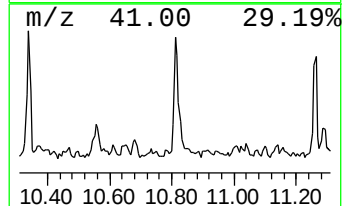
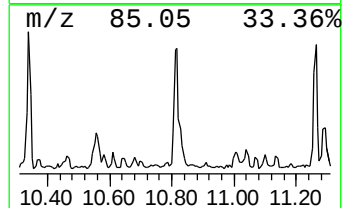
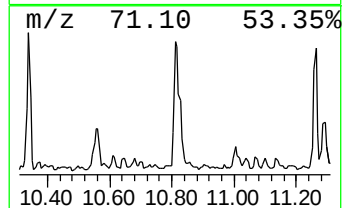
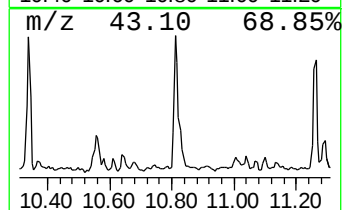
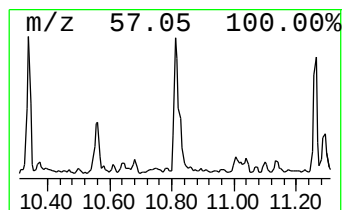
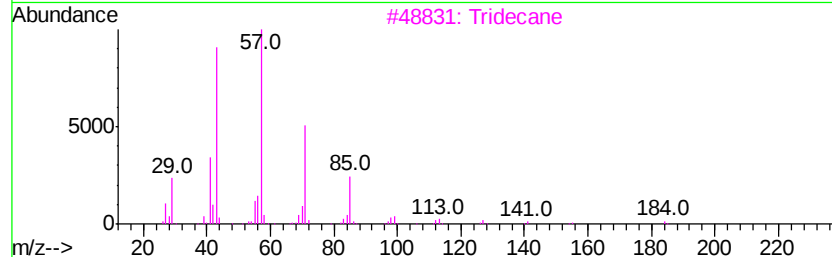
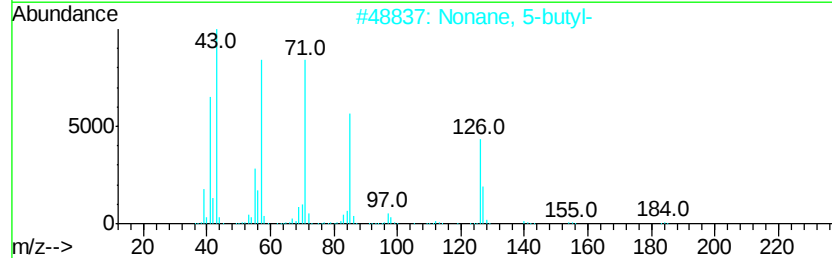
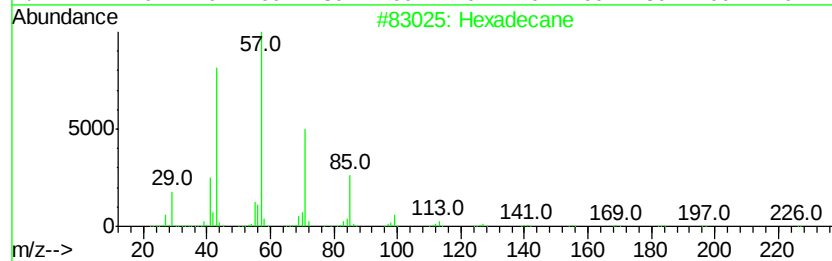
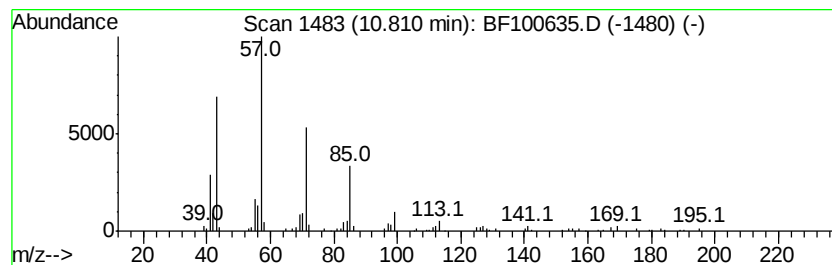
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	7.39 ng	223071	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	91
2		Nonane, 5-butyl-	184	C13H28	017312-63-9	90
3		Tridecane	184	C13H28	000629-50-5	87
4		Undecane, 6-ethyl-	184	C13H28	017312-60-6	87
5		Tetracosane	338	C24H50	000646-31-1	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
Data File : BF100635.D
Acq On : 16 Nov 2017 17:20
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Sample : I6305-07 5X
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ALS Vial : 19 Sample Multiplier: 1

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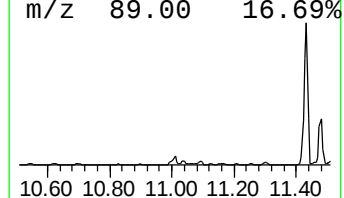
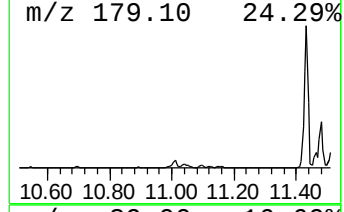
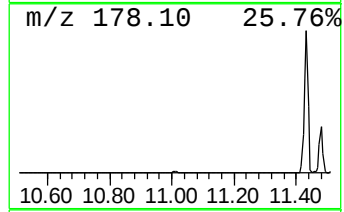
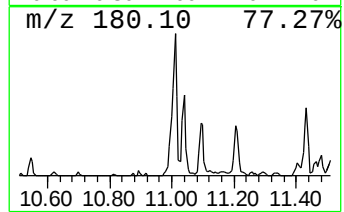
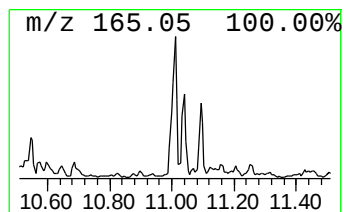
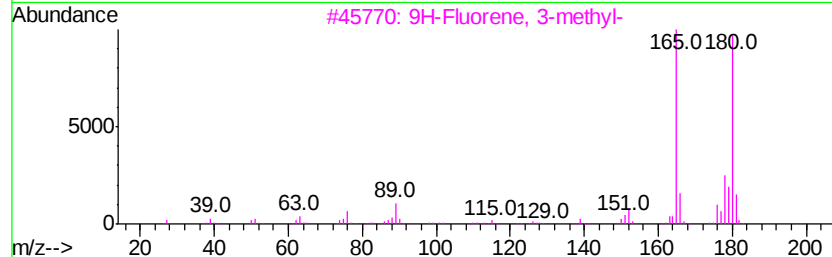
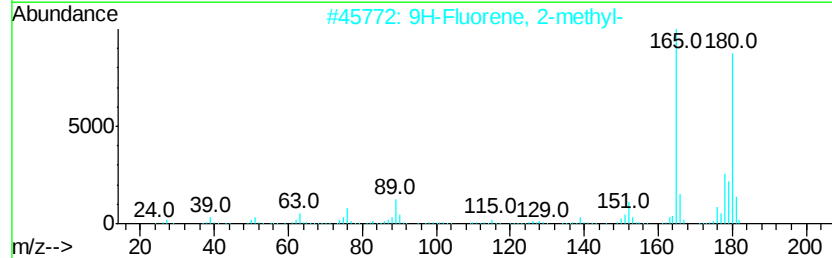
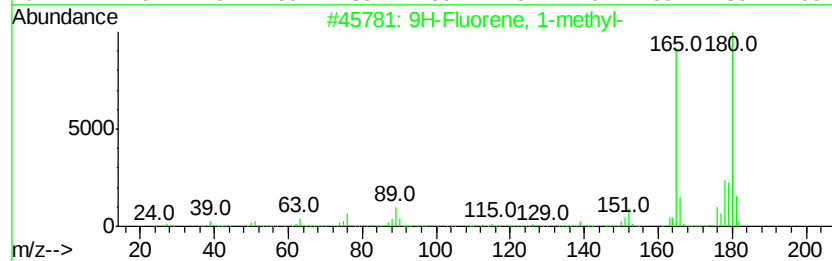
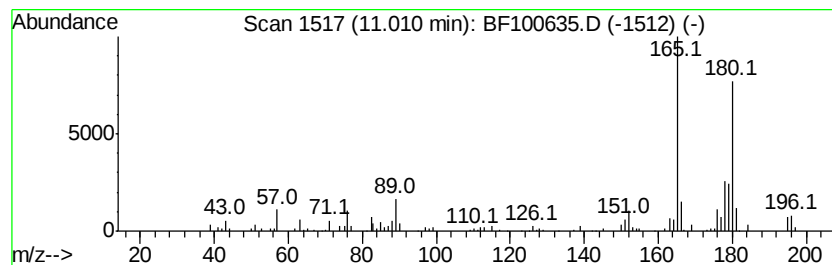
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	5.84 ng	176514	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5			(E)-Stilbene	180	C14H12	000103-30-0	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111617\
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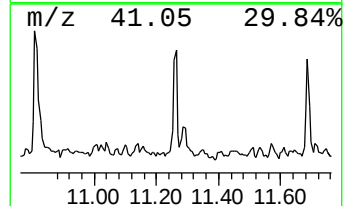
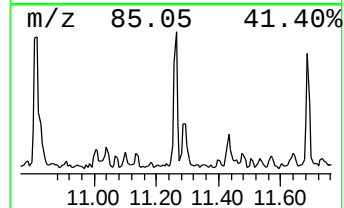
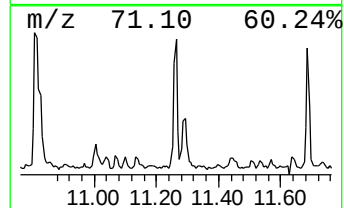
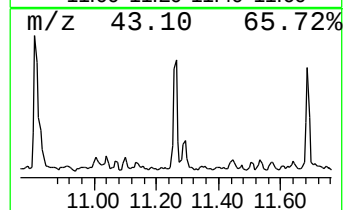
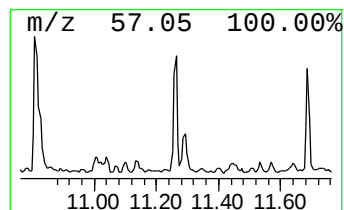
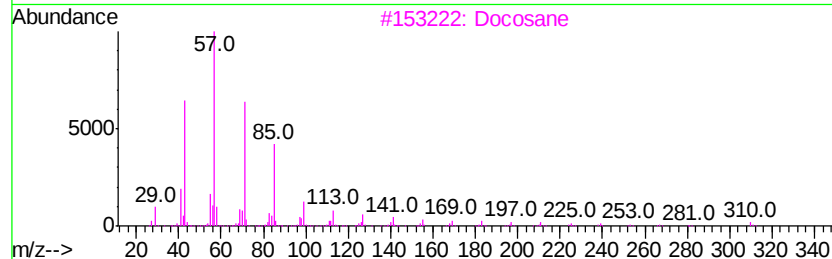
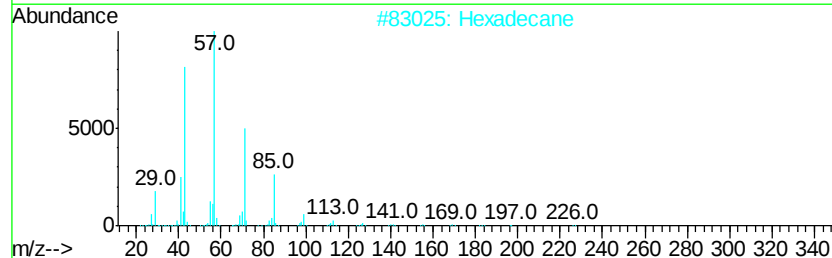
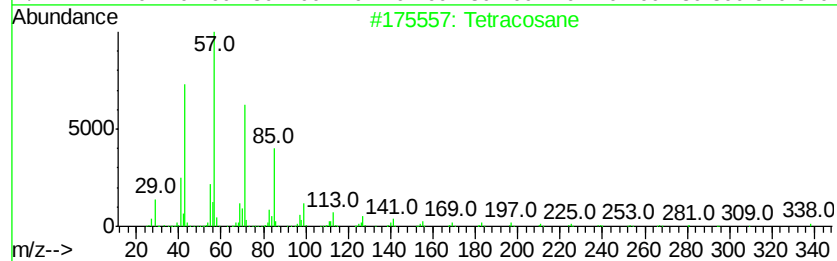
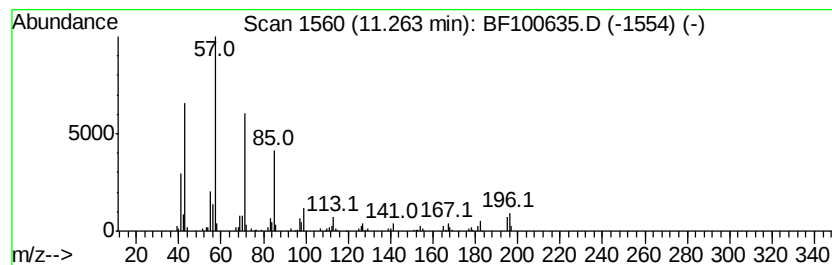
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 9 Tetracosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.26	5.82 ng	175746	Phenanthrene-d10		11.40
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	74
2	Hexadecane	226	C16H34	000544-76-3	72
3	Docosane	310	C22H46	000629-97-0	72
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
5	Octadecane	254	C18H38	000593-45-3	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111617\
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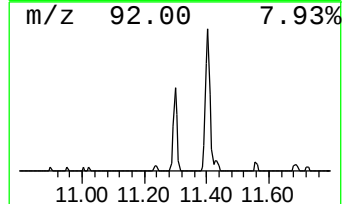
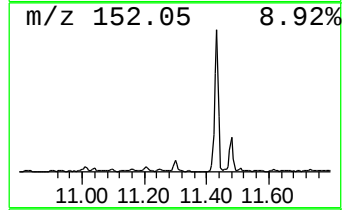
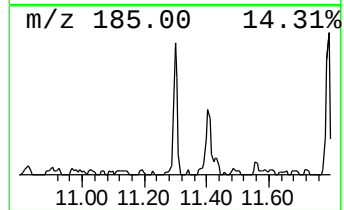
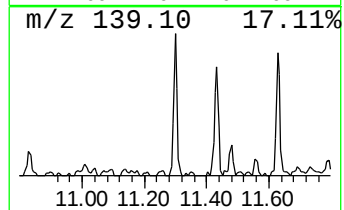
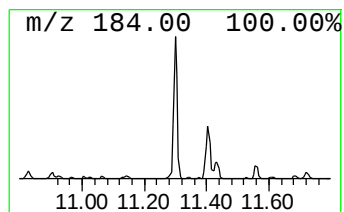
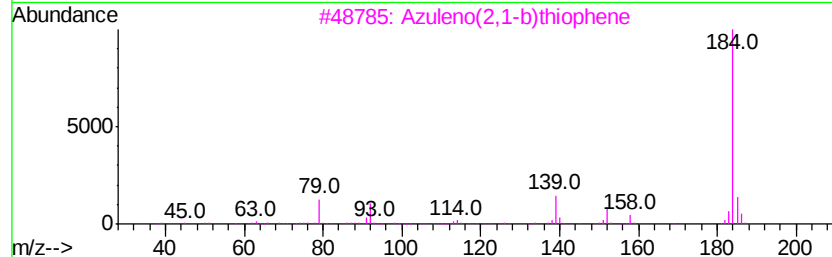
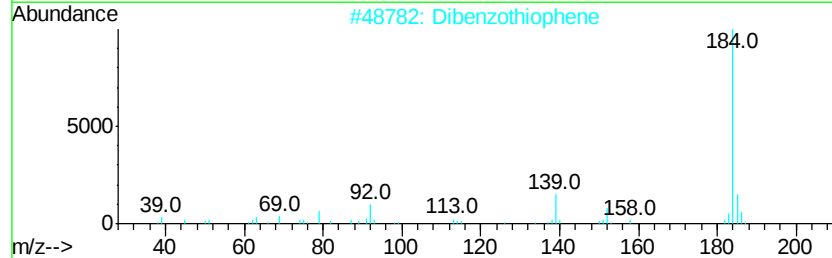
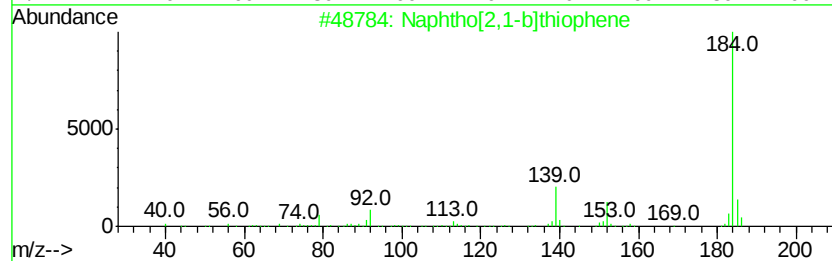
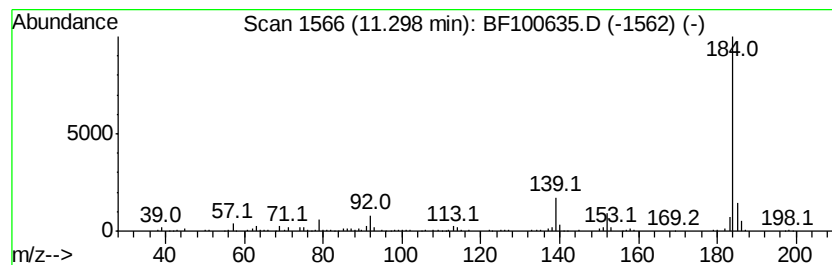
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphtho[2,1-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.30	8.44 ng	254817	Phenanthrene-d10	11.40		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2		Dibenzothiophene	184	C12H8S	000132-65-0	94
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
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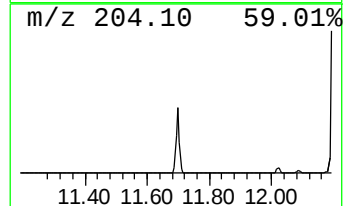
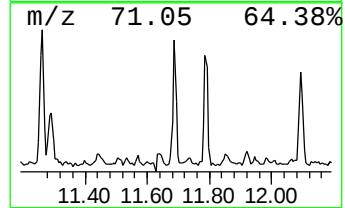
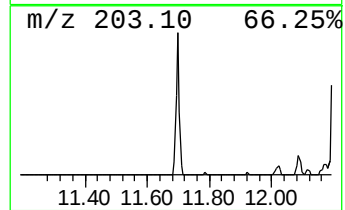
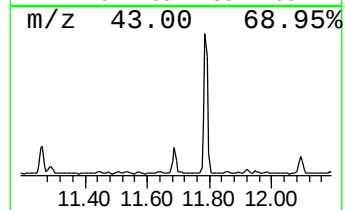
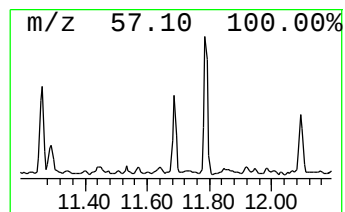
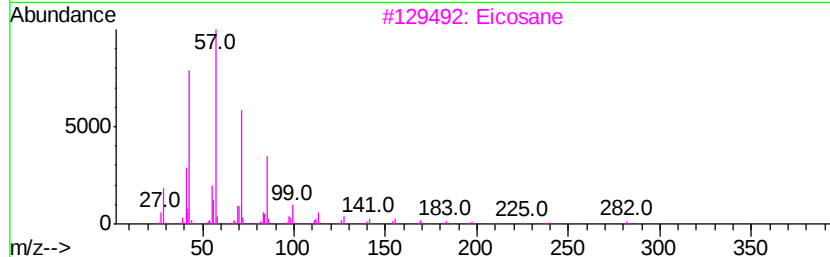
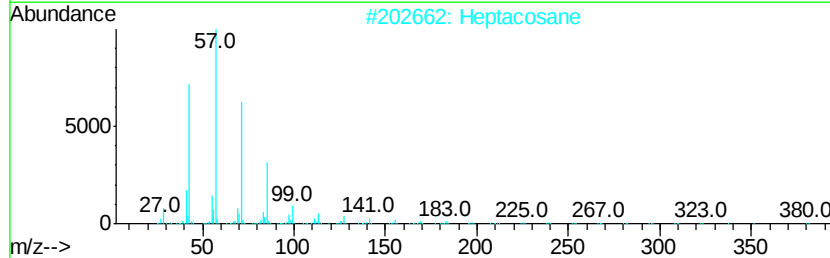
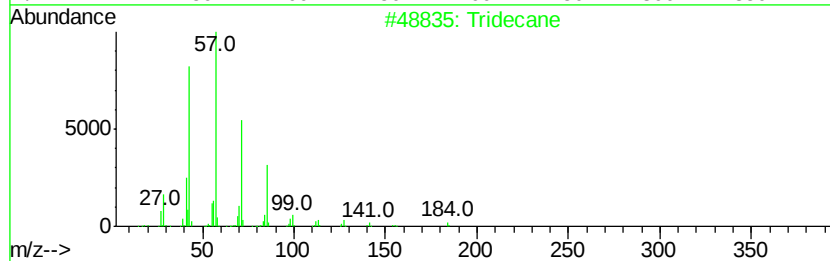
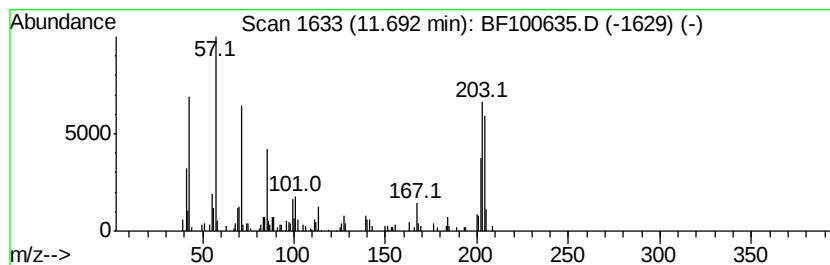
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Tridecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.69	6.34 ng	191602	Phenanthrene-d10		11.40
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Heptacosane	380	C27H56	000593-49-7	87
3	Eicosane	282	C20H42	000112-95-8	87
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83
5	Tetradecane	198	C14H30	000629-59-4	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111617\
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Acq On : 16 Nov 2017 17:20
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Sample : I6305-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :
PL-01-111317-C

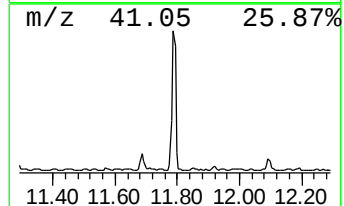
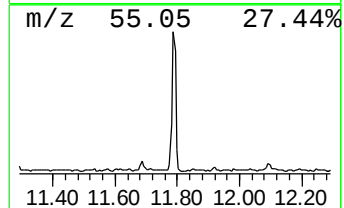
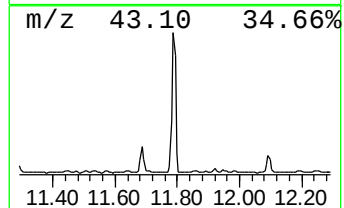
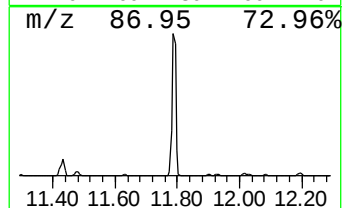
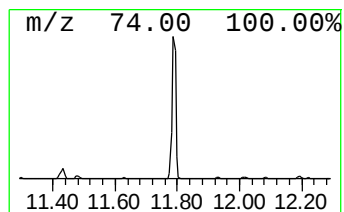
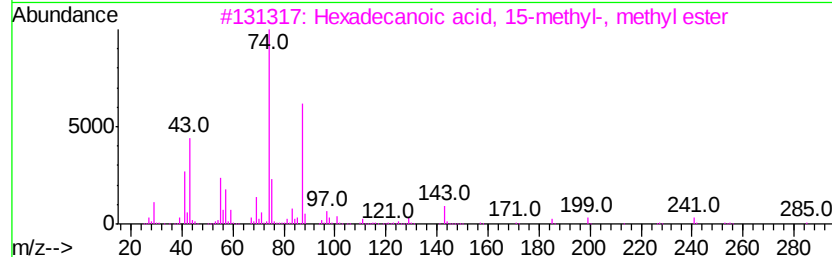
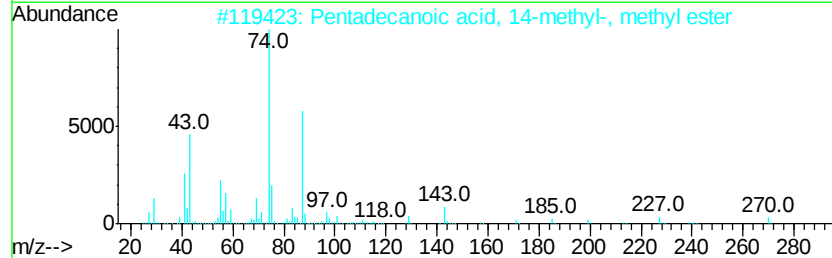
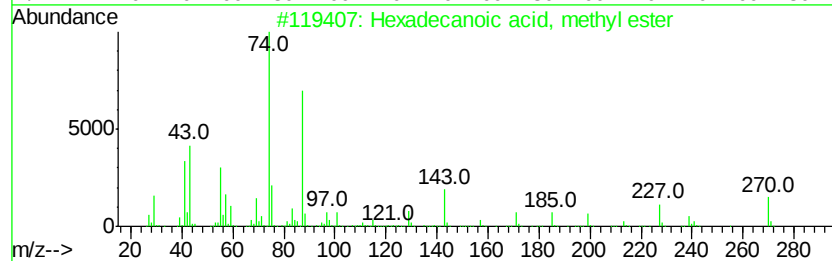
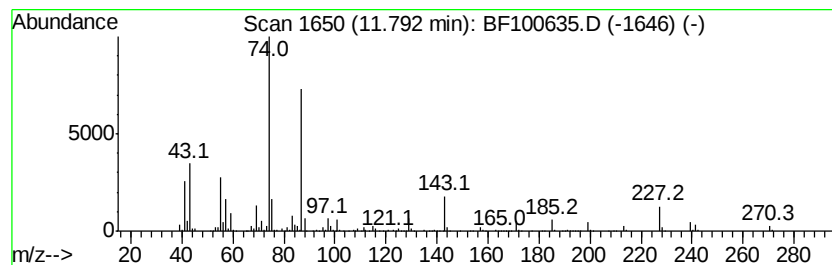
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	39.96 ng	1206760	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	94
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
3		Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	86
4		Methyl tetradecanoate	242	C15H30O2	000124-10-7	86
5		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86



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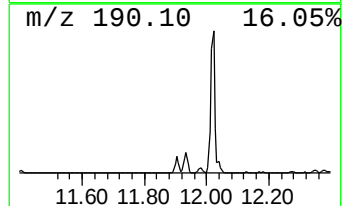
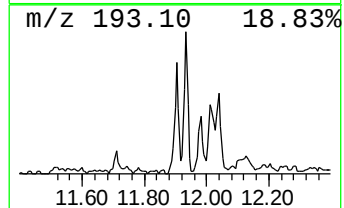
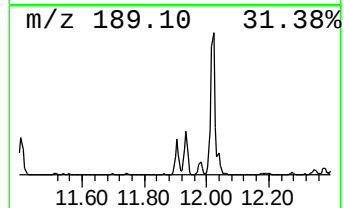
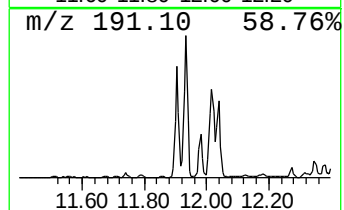
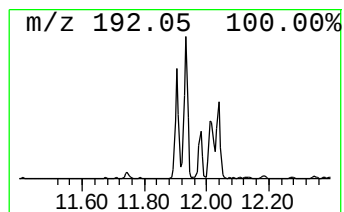
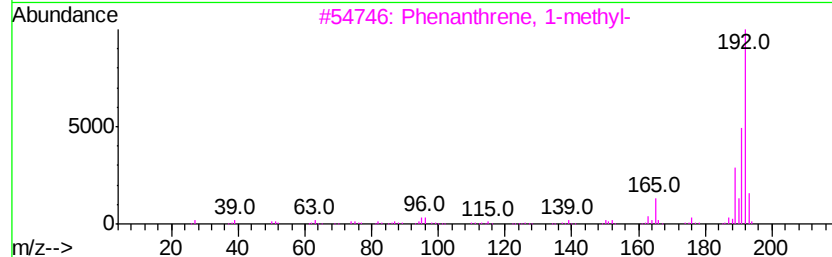
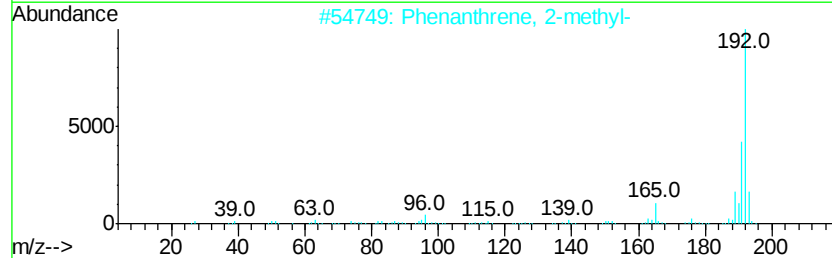
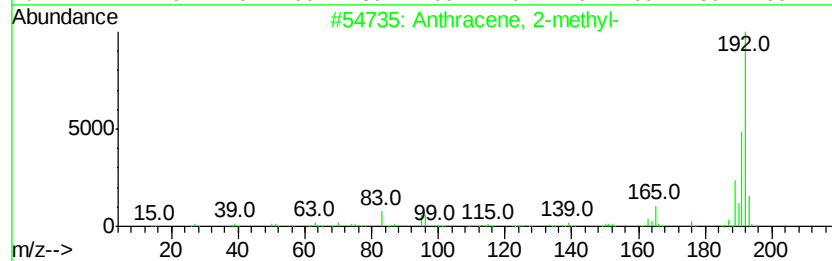
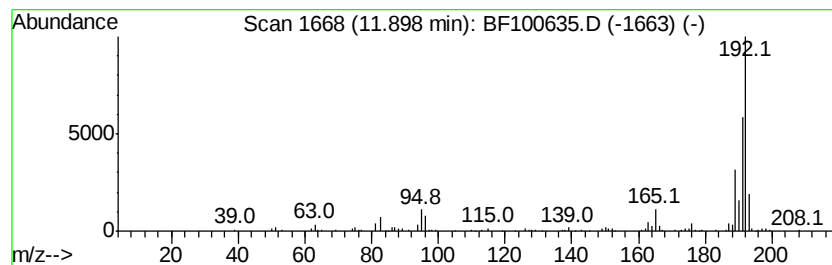
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	10.52 ng	317719	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111617\
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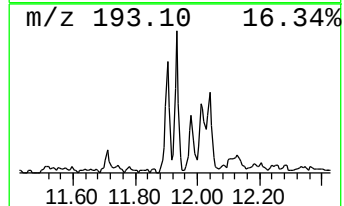
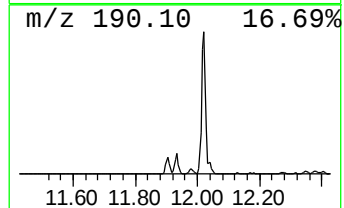
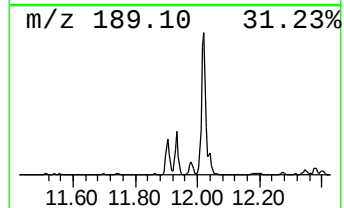
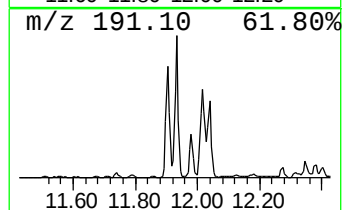
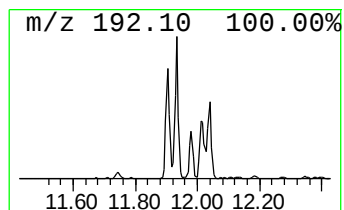
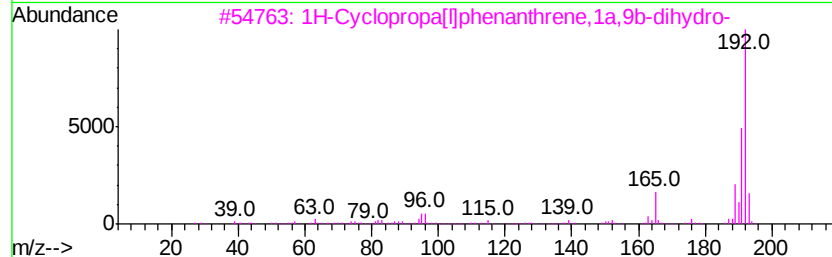
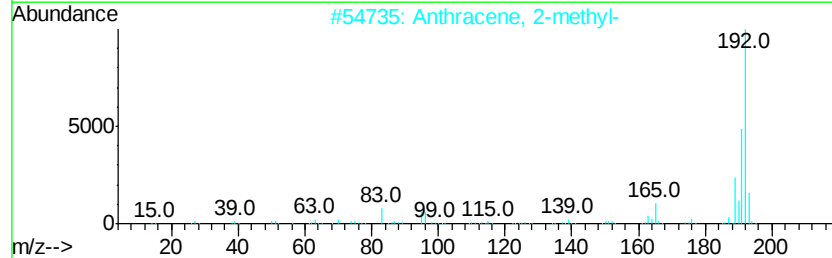
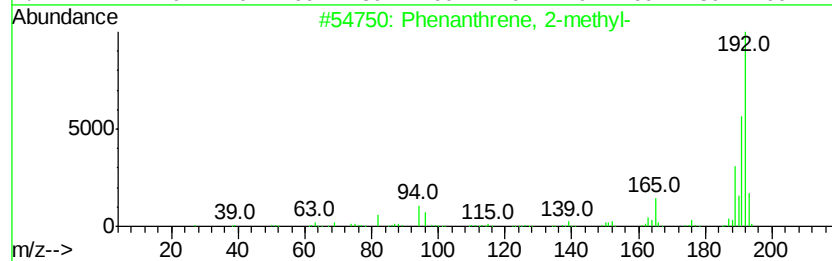
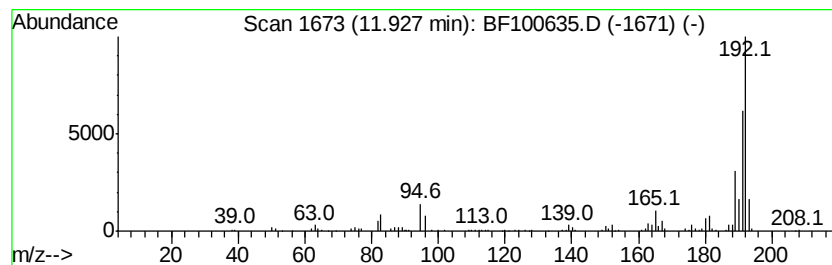
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	12.75 ng	385153	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95



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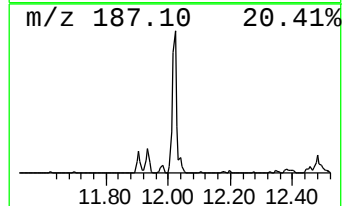
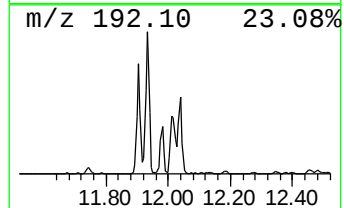
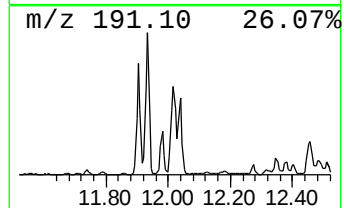
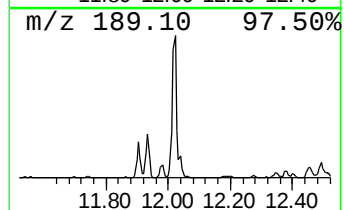
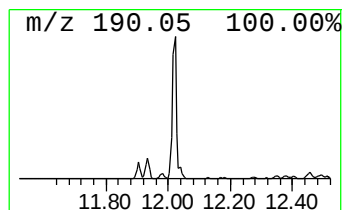
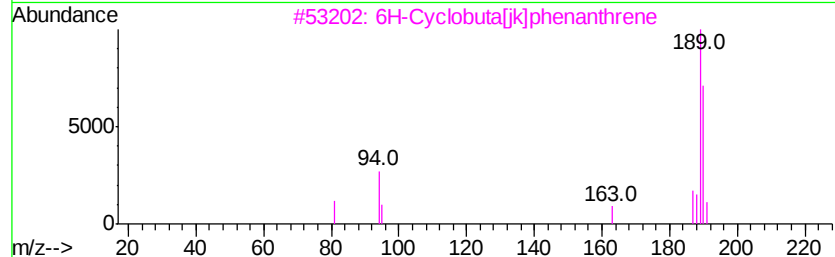
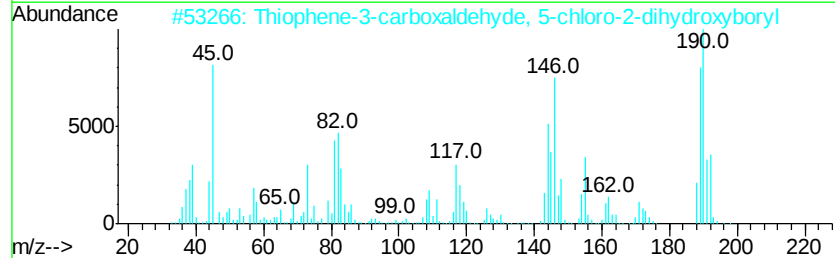
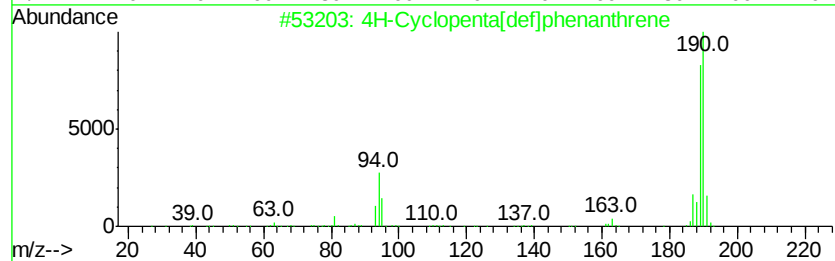
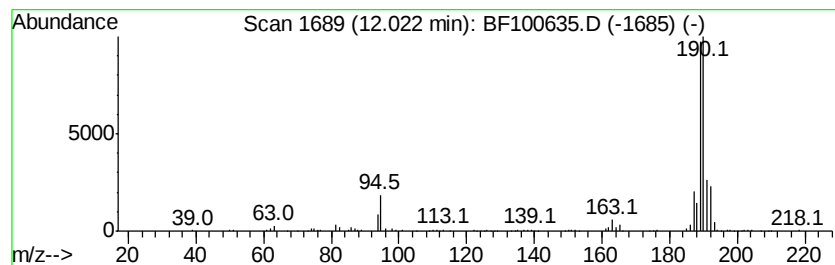
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	20.90 ng	631112	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	53
4		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37



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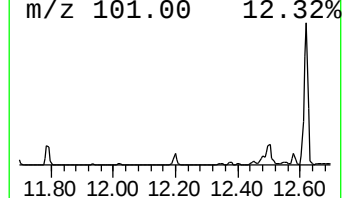
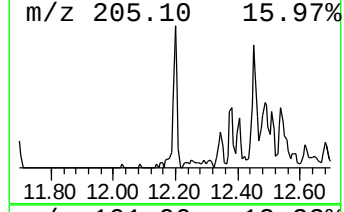
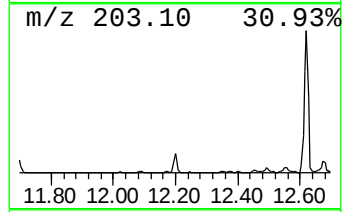
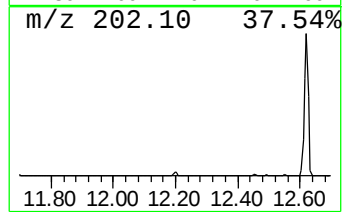
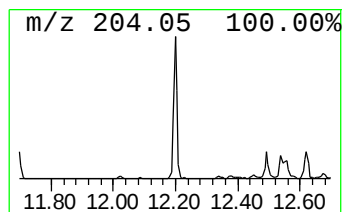
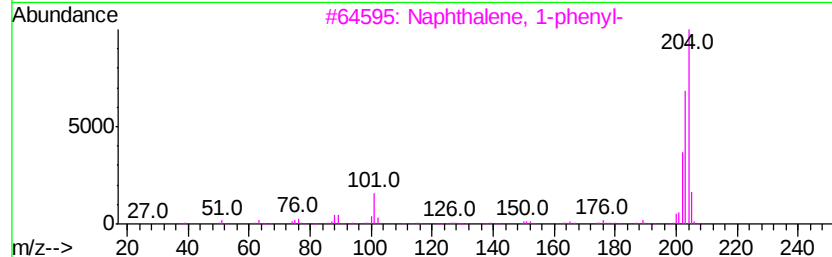
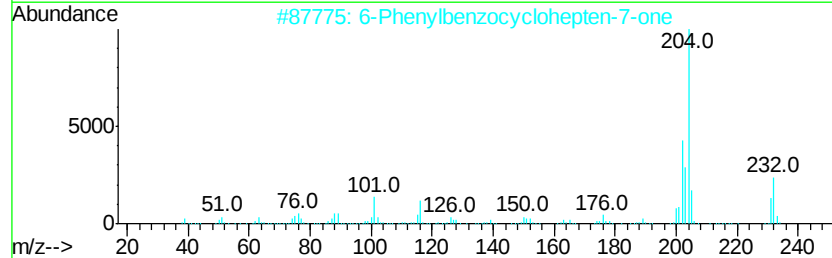
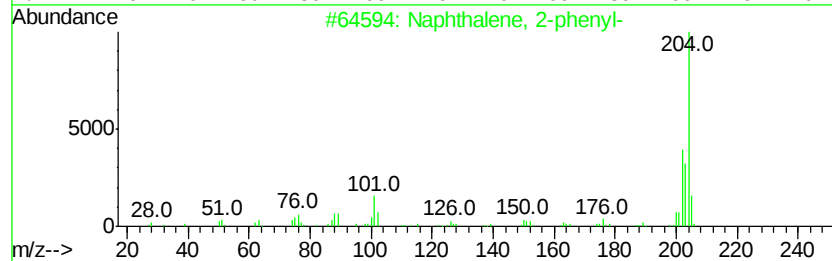
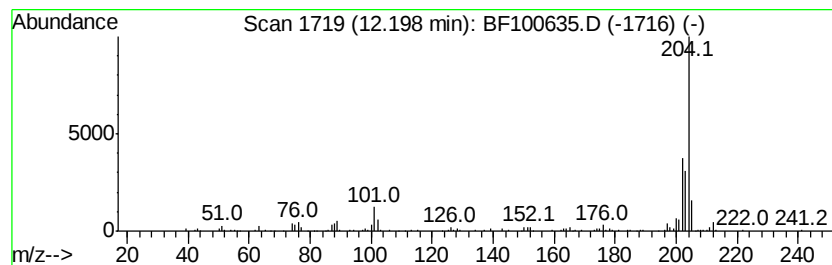
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	5.99 ng	180850	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49



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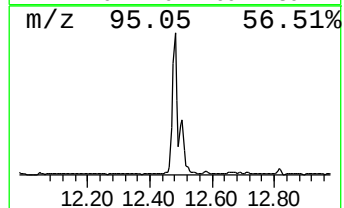
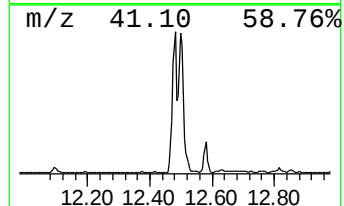
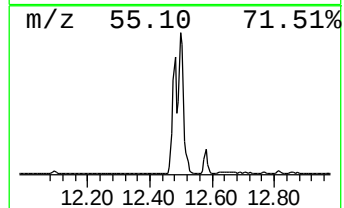
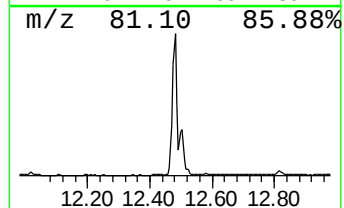
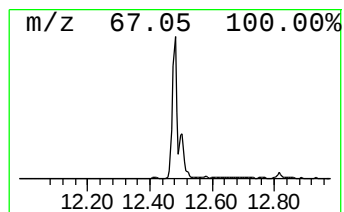
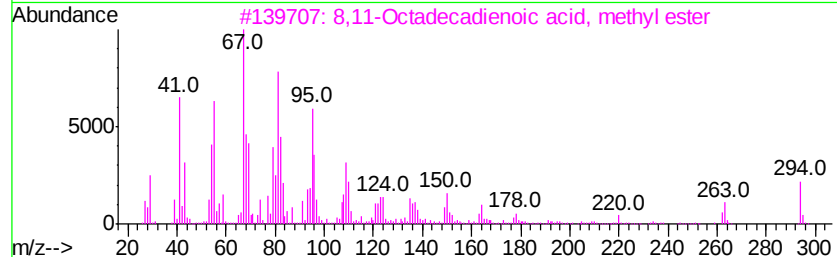
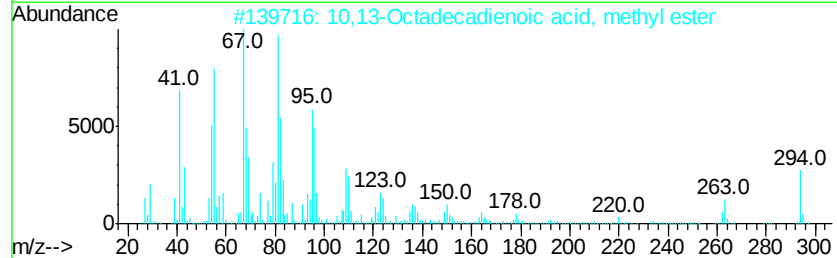
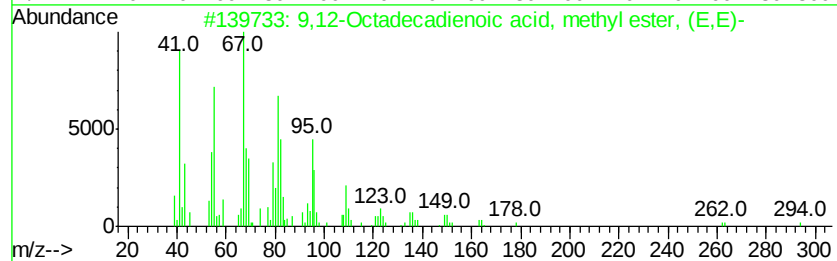
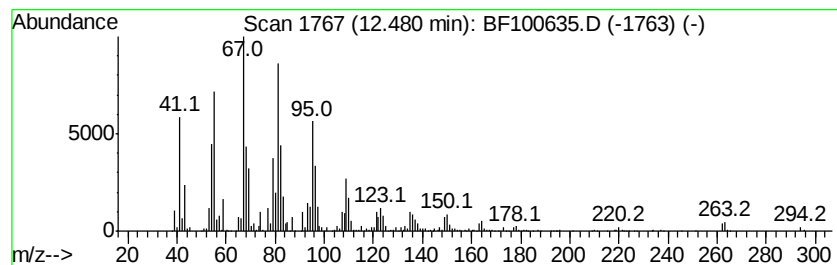
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	118.50 ng	3578830	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2		10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3		8,11-Octadecadienoic acid, methv...	294	C19H34O2	056599-58-7	99
4		9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5		9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99



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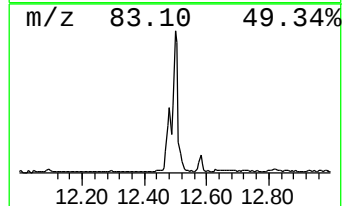
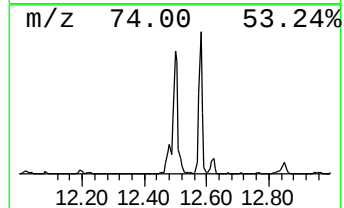
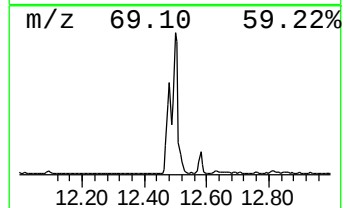
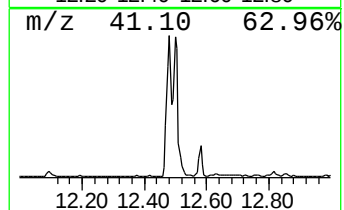
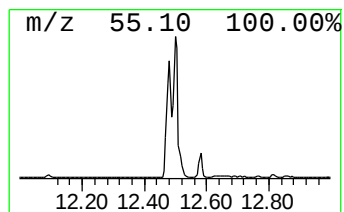
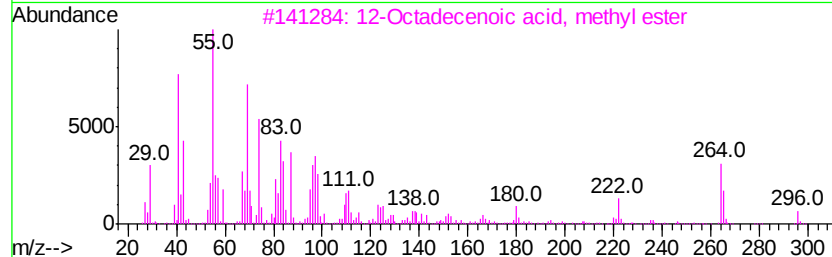
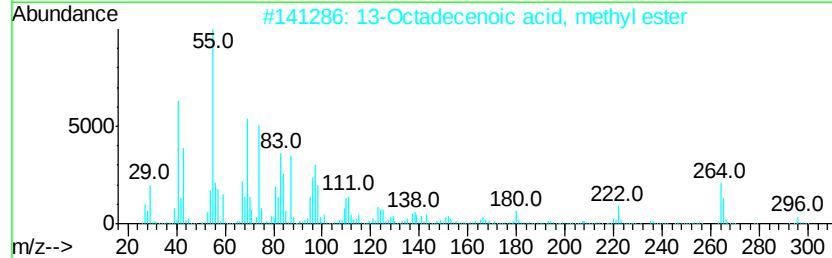
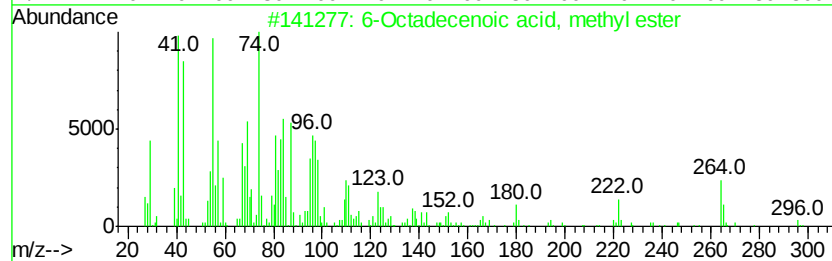
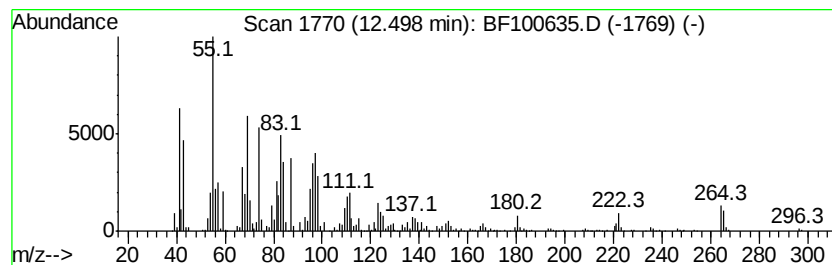
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 6-Octadecenoic acid, methyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	85.70 ng	2588250	Phenanthrene-d10	11.40

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	99
2		13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
3		12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
4		14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
5		7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	99



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
Data File : BF100635.D
Acq On : 16 Nov 2017 17:20
Operator : SJ/JU
Sample : I6305-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-C

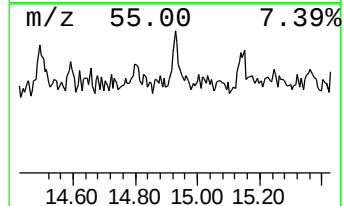
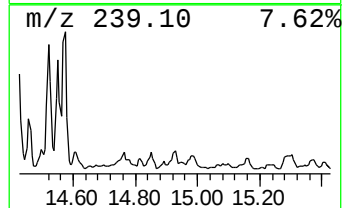
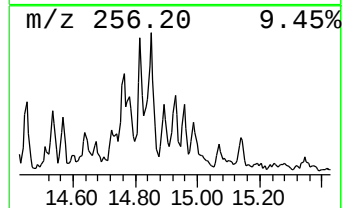
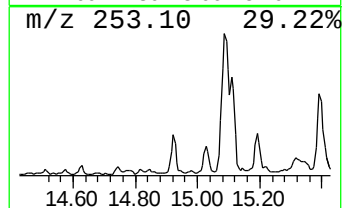
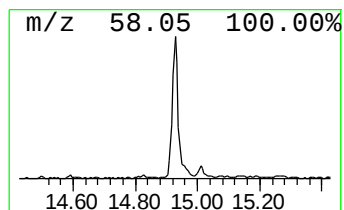
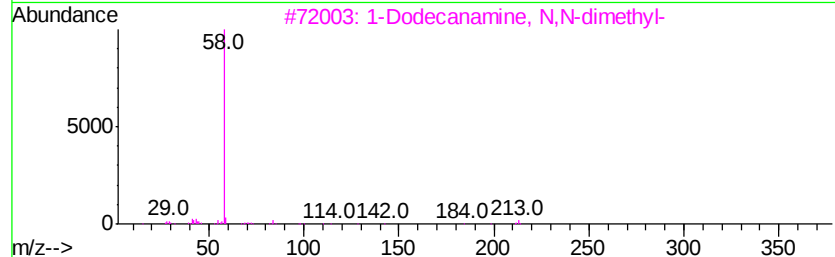
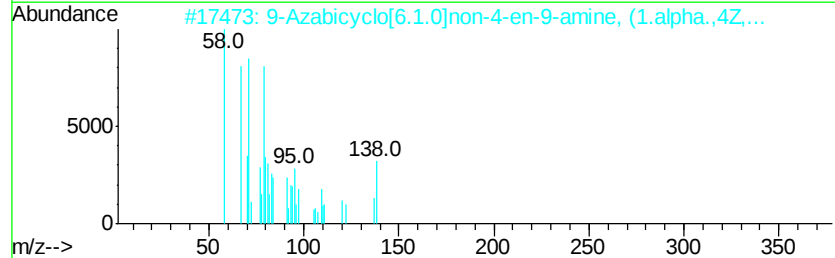
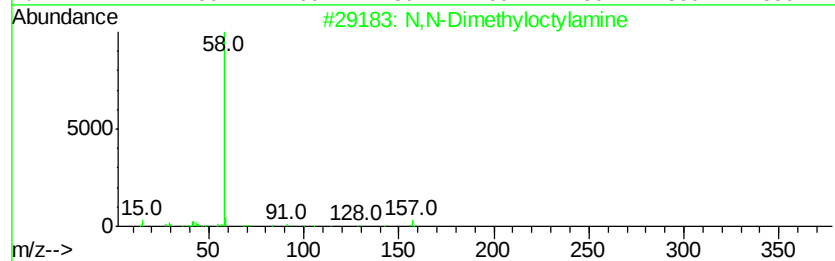
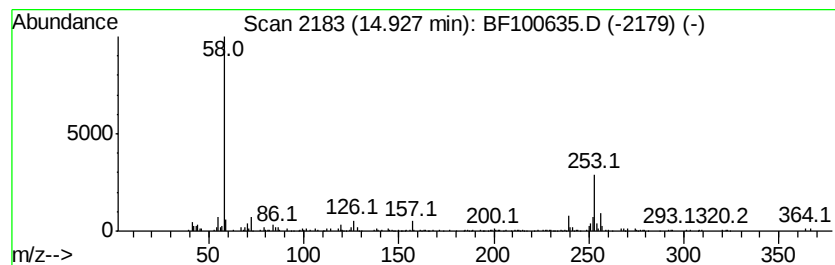
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown14.93 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	5.34 ng	186301	Perylene-d12	15.52

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	49
2			9-Azabicyclo[6.1.0]non-4-en-9-am...	138	C8H14N2	066387-78-8	49
3			1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	49
4			1-Pentadecanamine, N,N-dimethyl-	255	C17H37N	017678-60-3	47
5			3-(Dimethylamino)propyl isothioc...	144	C6H12N2S	027421-70-1	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111617\
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Acq On : 16 Nov 2017 17:20
Operator : SJ/JU
Sample : I6305-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-C

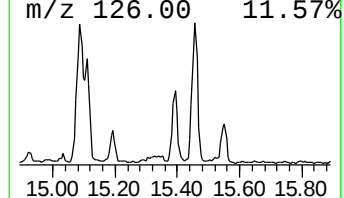
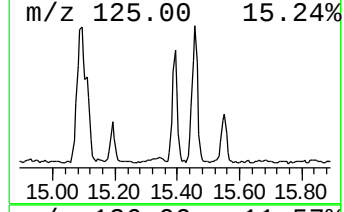
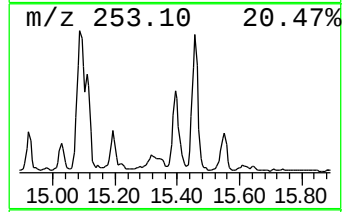
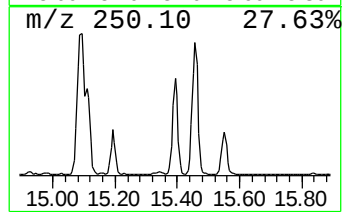
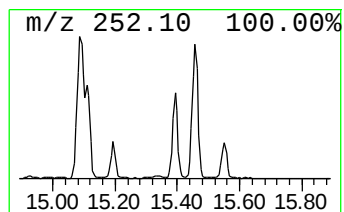
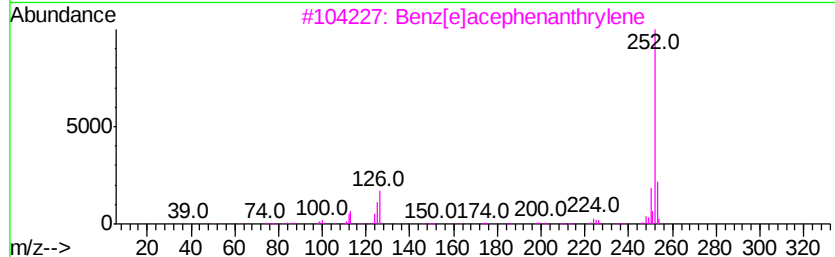
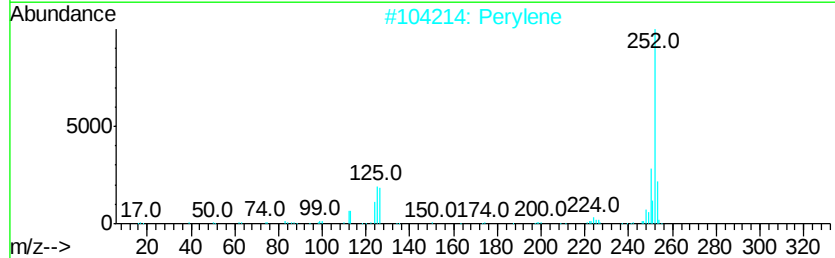
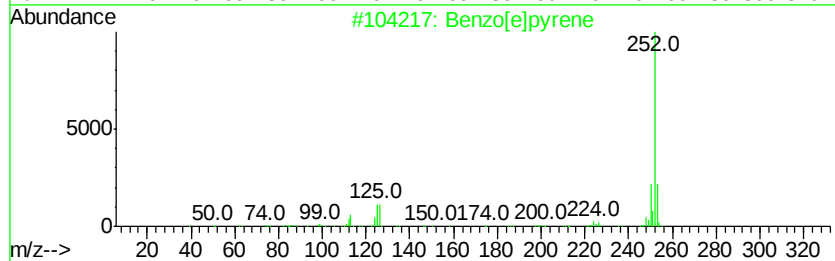
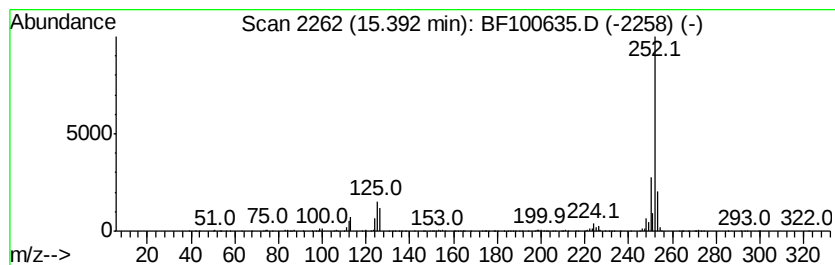
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	13.71 ng	478168	Perylene-d12	15.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	97
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	95
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111617\
 Data File : BF100635.D
 Acq On : 16 Nov 2017 17:20
 Operator : SJ/JU
 Sample : I6305-07 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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
unknown6.65	6.65	15.4	ng	412065	1	6.88	536496	20.0
Naphthalene, 1-me...	8.97	8.2	ng	272772	2	8.16	662031	20.0
Naphthalene, 2,7-...	9.50	6.1	ng	193784	3	9.92	639356	20.0
Naphthalene, 1,3-...	9.57	7.4	ng	236884	3	9.92	639356	20.0
Dibenzofuran, 4-m...	10.62	5.0	ng	160826	3	9.92	639356	20.0
Hexadecane	10.81	7.4	ng	223071	4	11.40	604007	20.0
9H-Fluorene, 1-me...	11.01	5.8	ng	176514	4	11.40	604007	20.0
Tetracosane	11.26	5.8	ng	175746	4	11.40	604007	20.0
Naphtho[2,1-b]thi...	11.30	8.4	ng	254817	4	11.40	604007	20.0
Tridecane	11.69	6.3	ng	191602	4	11.40	604007	20.0
Hexadecanoic acid...	11.79	40.0	ng	1206760	4	11.40	604007	20.0
Anthracene, 2-met...	11.90	10.5	ng	317719	4	11.40	604007	20.0
Phenanthrene, 2-m...	11.93	12.8	ng	385153	4	11.40	604007	20.0
4H-Cyclopenta[def...	12.02	20.9	ng	631112	4	11.40	604007	20.0
Naphthalene, 2-ph...	12.20	6.0	ng	180850	4	11.40	604007	20.0
9,12-Octadecadien...	12.48	118.5	ng	3578830	4	11.40	604007	20.0
6-Octadecenoic ac...	12.50	85.7	ng	2588250	4	11.40	604007	20.0
unknown14.93	14.93	5.3	ng	186301	6	15.52	697398	20.0
Benzo[e]pyrene	15.39	13.7	ng	478168	6	15.52	697398	20.0