

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100900.D
 Acq On : 27 Nov 2017 18:54
 Operator : SJ/JU
 Sample : I6548-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(7-8)

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	5.093	506	511	520	rVB	97259	131076	5.82%	0.334%
2	5.487	573	578	581	rBV	1561390	1580755	70.24%	4.032%
3	6.492	744	749	763	rBV	1415233	1670742	74.24%	4.262%
4	6.634	768	773	776	rBV	1766277	1648270	73.24%	4.204%
5	6.857	808	811	815	rBB	509090	409419	18.19%	1.044%
6	7.016	834	838	841	rBV	1538778	1289457	57.30%	3.289%
7	7.422	902	907	910	rBV	971753	1003665	44.60%	2.560%
8	8.139	1025	1029	1032	rBV	667865	537162	23.87%	1.370%
9	9.216	1207	1212	1215	rBV	2148815	1867040	82.97%	4.762%
10	9.551	1264	1269	1272	rBV	62626	64604	2.87%	0.165%
11	9.604	1276	1278	1285	rVB	149278	128260	5.70%	0.327%
12	9.757	1301	1304	1307	rBV	189603	149676	6.65%	0.382%
13	9.898	1324	1328	1330	rBV	585063	530200	23.56%	1.352%
14	9.928	1330	1333	1336	rVB	188468	148857	6.61%	0.380%
15	10.098	1356	1362	1365	rVV2	101206	101794	4.52%	0.260%
16	10.316	1397	1399	1402	rVB	87776	66442	2.95%	0.169%
17	10.439	1417	1420	1425	rVB2	178639	174803	7.77%	0.446%
18	10.598	1444	1447	1450	rVB	89795	71188	3.16%	0.182%
19	10.686	1454	1462	1465	rBV	1174587	1086956	48.30%	2.772%
20	10.792	1476	1480	1481	rBV	63534	60365	2.68%	0.154%
21	10.992	1507	1514	1516	rBV4	76786	104447	4.64%	0.266%
22	11.116	1530	1535	1537	rVV3	76422	81680	3.63%	0.208%
23	11.139	1537	1539	1544	rVV2	78591	86814	3.86%	0.221%
24	11.186	1544	1547	1551	rVV	129916	116592	5.18%	0.297%
25	11.227	1551	1554	1558	rVV2	70343	100157	4.45%	0.255%
26	11.280	1560	1563	1568	rVB	101399	96450	4.29%	0.246%
27	11.386	1577	1581	1582	rBV	535378	504771	22.43%	1.288%
28	11.410	1582	1585	1588	rVV	1669264	1642808	73.00%	4.190%
29	11.457	1588	1593	1596	rVV	383636	337585	15.00%	0.861%
30	11.486	1596	1598	1602	rVB2	66466	72200	3.21%	0.184%
31	11.610	1613	1619	1622	rBV2	170769	200157	8.89%	0.511%
32	11.675	1626	1630	1634	rVV4	66961	82768	3.68%	0.211%
33	11.710	1634	1636	1641	rVB5	64972	74665	3.32%	0.190%
34	11.886	1660	1666	1667	rBV	289594	294023	13.07%	0.750%

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35	11.910	1667	1670	1674	rVV2	485512	552259	24.54%	1.409%
36	11.957	1674	1678	1681	rVV	118253	107996	4.80%	0.275%
37	11.998	1681	1685	1687	rVV2	415316	444970	19.77%	1.135%
38	12.016	1687	1688	1692	rVB	204720	159577	7.09%	0.407%
39	12.063	1692	1696	1699	rBV4	45579	61899	2.75%	0.158%
40	12.180	1713	1716	1718	rBV	209661	174937	7.77%	0.446%
41	12.210	1718	1721	1723	rVB	278207	241794	10.74%	0.617%
42	12.327	1733	1741	1744	rBV2	77107	99423	4.42%	0.254%
43	12.433	1753	1759	1762	rBV	149659	190029	8.44%	0.485%
44	12.522	1771	1774	1779	rVB	178579	196149	8.72%	0.500%
45	12.604	1783	1788	1791	rBV	2012759	2250359	100.00%	5.740%
46	12.692	1800	1803	1806	rVB2	197902	198717	8.83%	0.507%
47	12.733	1806	1810	1811	rBV2	80508	98508	4.38%	0.251%
48	12.833	1820	1827	1831	rBV2	1814145	2238690	99.48%	5.710%
49	12.874	1831	1834	1839	rVB2	141951	147676	6.56%	0.377%
50	12.969	1841	1850	1856	rVB2	1431425	1622150	72.08%	4.138%
51	13.039	1857	1862	1867	rBV2	170884	304079	13.51%	0.776%
52	13.127	1874	1877	1879	rBV3	146377	183923	8.17%	0.469%
53	13.157	1879	1882	1885	rVB	322867	307927	13.68%	0.785%
54	13.221	1890	1893	1895	rBV2	227587	193516	8.60%	0.494%
55	13.257	1895	1899	1902	rVV2	251074	292485	13.00%	0.746%
56	13.316	1906	1909	1912	rBV3	61174	64416	2.86%	0.164%
57	13.351	1912	1915	1917	rBV	111709	89906	4.00%	0.229%
58	13.380	1917	1920	1923	rVB2	112442	109337	4.86%	0.279%
59	13.533	1942	1946	1948	rBV3	63831	86093	3.83%	0.220%
60	13.663	1965	1968	1972	rVV	282731	273863	12.17%	0.699%
61	13.774	1982	1987	1989	rVV2	206008	267547	11.89%	0.682%
62	13.798	1989	1991	1994	rVV	207611	220564	9.80%	0.563%
63	13.827	1994	1996	1997	rVV	164666	152772	6.79%	0.390%
64	13.851	1997	2000	2001	rVV2	223076	251797	11.19%	0.642%
65	13.868	2001	2003	2007	rVV	291216	279600	12.42%	0.713%
66	13.939	2011	2015	2021	rBV2	53164	102813	4.57%	0.262%
67	14.021	2021	2029	2032	rBV2	1182002	1793079	79.68%	4.574%
68	14.057	2032	2035	2040	rVB	1112298	1046428	46.50%	2.669%
69	14.133	2045	2048	2050	rVV	132865	118707	5.28%	0.303%
70	14.168	2052	2054	2057	rVV	141855	157026	6.98%	0.401%
71	14.216	2059	2062	2064	rVV	89939	89970	4.00%	0.229%

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72	14.251	2064	2068	2071	rVV2	128493	162009	7.20%	0.413%
73	14.374	2081	2089	2090	rVV3	84096	192766	8.57%	0.492%
74	14.410	2090	2095	2098	rVV	289827	364638	16.20%	0.930%
75	14.445	2098	2101	2105	rVV2	178743	255337	11.35%	0.651%
76	14.492	2105	2109	2110	rVV4	97639	152118	6.76%	0.388%
77	14.533	2114	2116	2118	rVV	174523	170882	7.59%	0.436%
78	14.557	2118	2120	2123	rVV3	148760	156797	6.97%	0.400%
79	14.604	2124	2128	2134	rVB3	96385	151321	6.72%	0.386%
80	14.721	2145	2148	2150	rVV2	87702	98047	4.36%	0.250%
81	14.751	2150	2153	2157	rVV5	58814	98461	4.38%	0.251%
82	14.798	2158	2161	2164	rVV4	49139	75081	3.34%	0.192%
83	14.904	2175	2179	2187	rVB2	107803	187308	8.32%	0.478%
84	14.968	2187	2190	2195	rBV6	39720	67597	3.00%	0.172%
85	15.074	2202	2208	2211	rBV	820512	1384326	61.52%	3.531%
86	15.174	2222	2225	2229	rBV	186510	198002	8.80%	0.505%
87	15.263	2237	2240	2242	rBV2	61338	86588	3.85%	0.221%
88	15.374	2254	2259	2265	rVB	422373	610147	27.11%	1.556%
89	15.445	2265	2271	2275	rVV	677203	855490	38.02%	2.182%
90	15.504	2276	2281	2283	rVV	328581	444369	19.75%	1.133%
91	15.533	2283	2286	2291	rVB2	203108	283702	12.61%	0.724%
92	15.857	2337	2341	2349	rVB4	74254	126381	5.62%	0.322%
93	15.933	2351	2354	2358	rVB3	38536	62001	2.76%	0.158%
94	15.986	2359	2363	2366	rBV5	38040	55983	2.49%	0.143%
95	16.062	2372	2376	2381	rBV	47401	75775	3.37%	0.193%
96	16.980	2525	2532	2540	rVB2	256064	490338	21.79%	1.251%
97	17.151	2553	2561	2566	rBV3	63083	154685	6.87%	0.395%
98	17.209	2567	2571	2576	rVV3	41209	82251	3.66%	0.210%
99	17.427	2601	2608	2618	rVB	176151	388805	17.28%	0.992%
100	17.662	2643	2648	2653	rVB	49322	87399	3.88%	0.223%

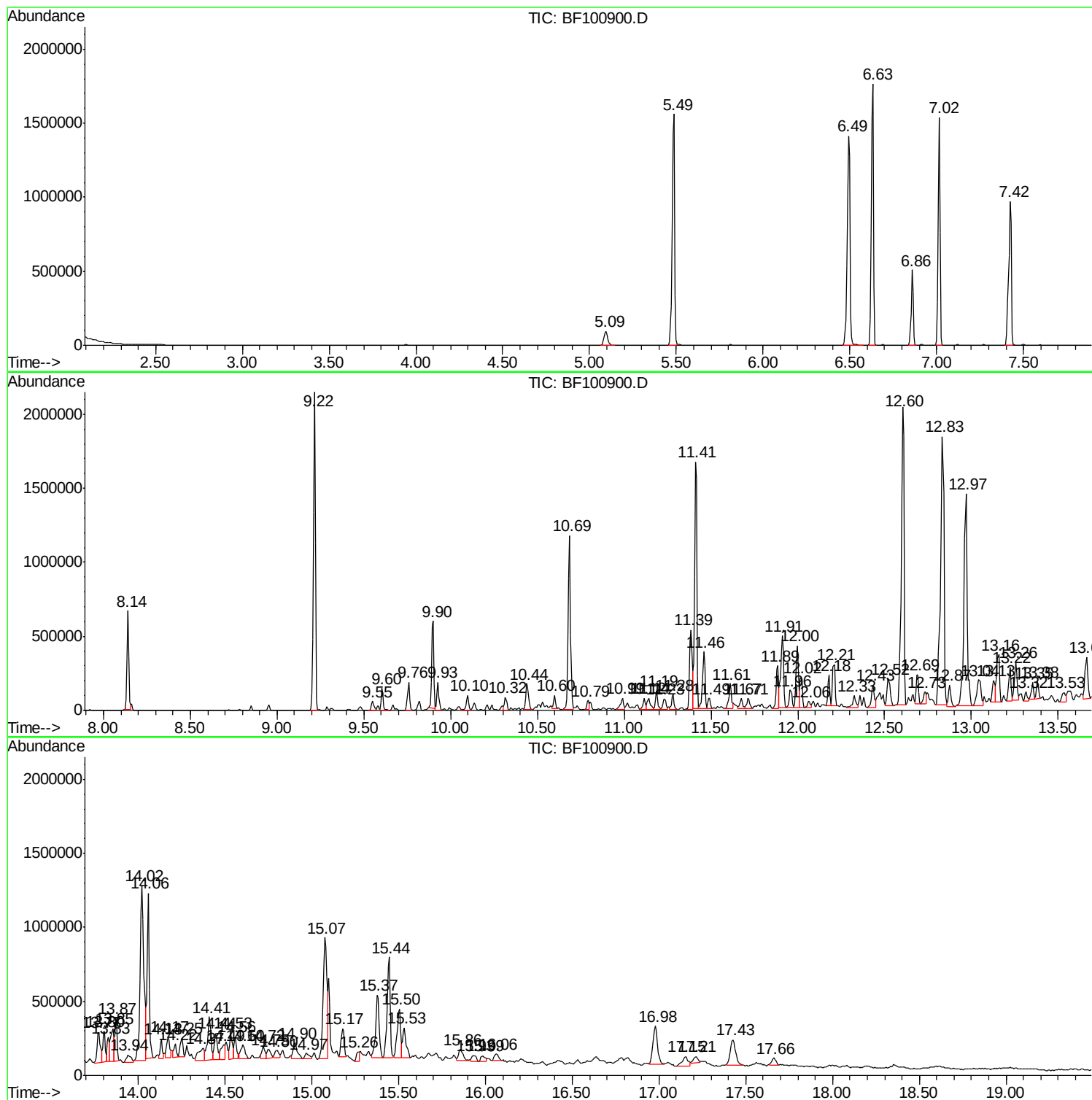
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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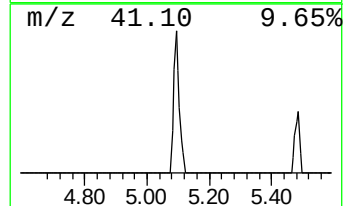
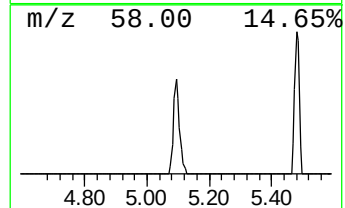
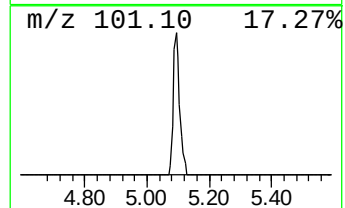
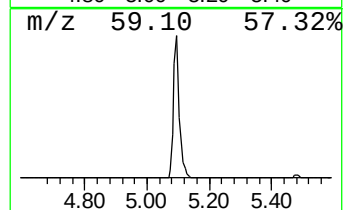
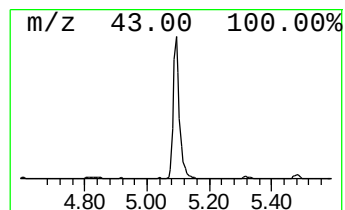
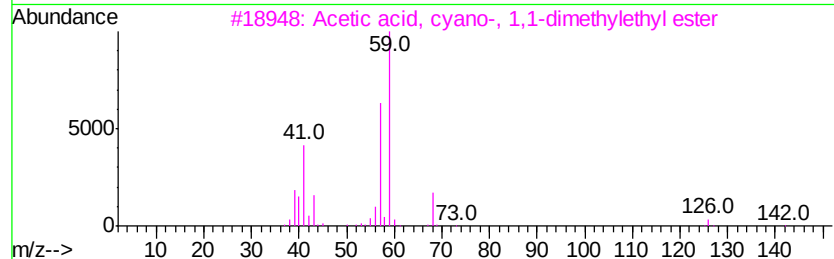
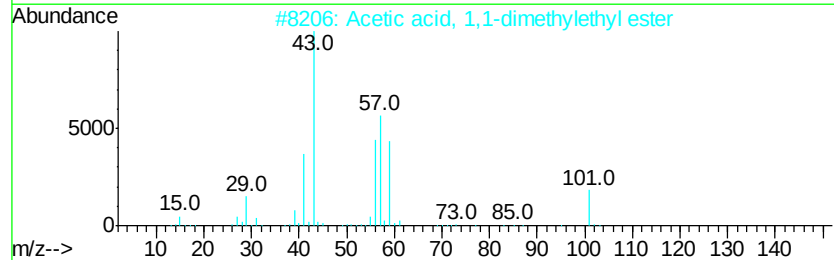
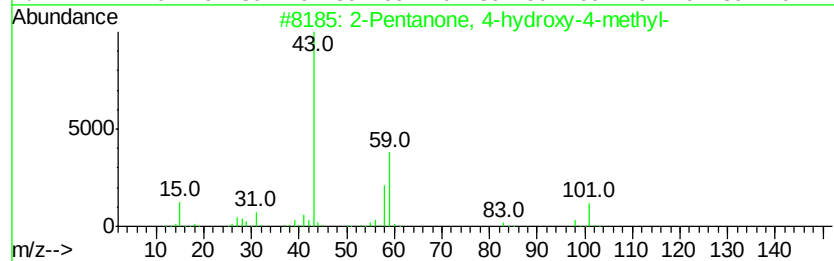
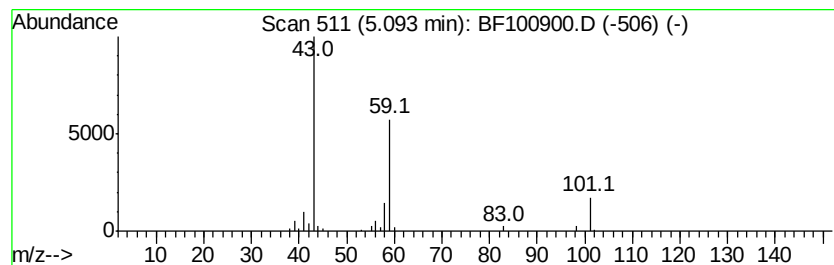
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	6.40 ng	131076	1,4-Dichlorobenzene-d4	6.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	37
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33



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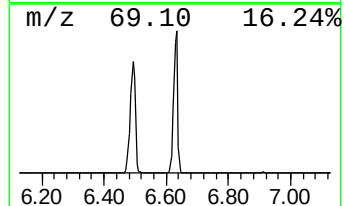
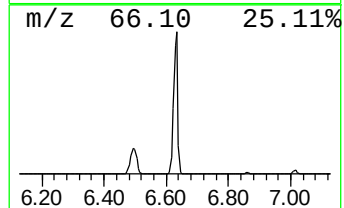
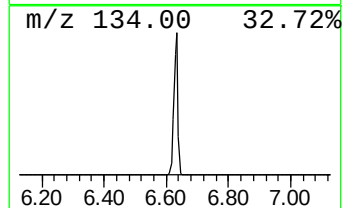
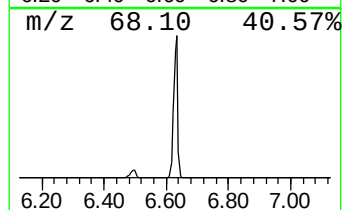
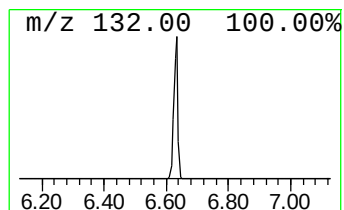
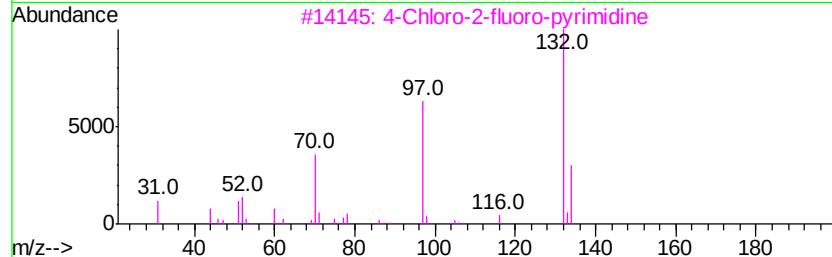
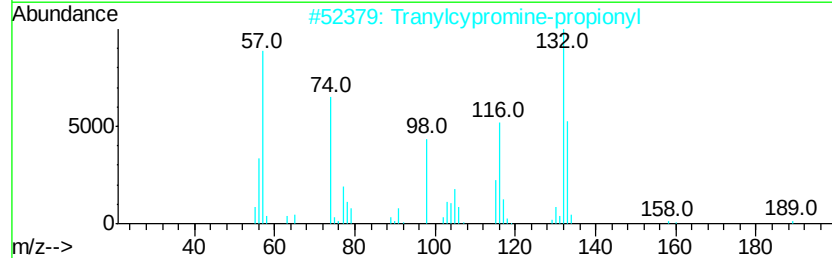
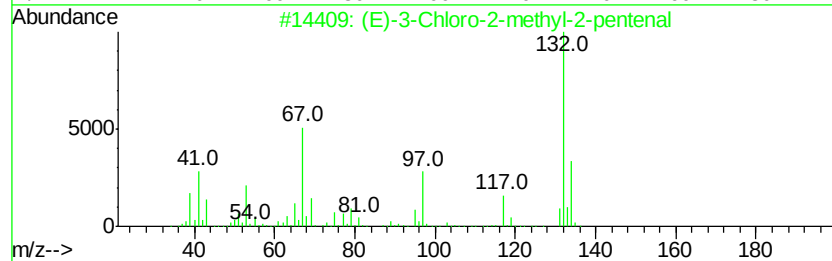
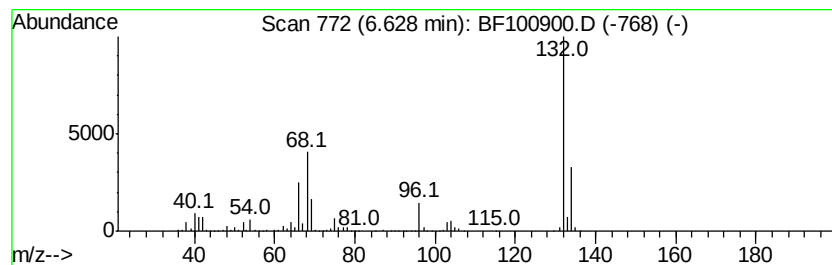
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	80.52 ng	1648270	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9



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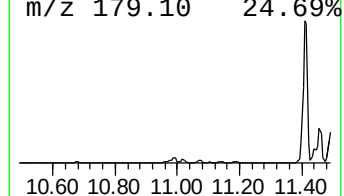
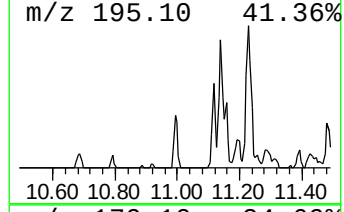
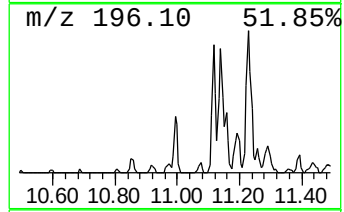
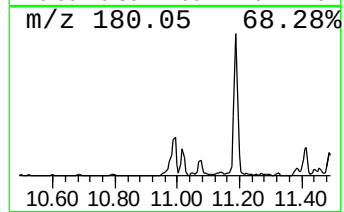
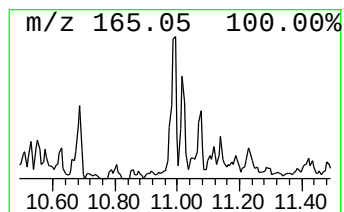
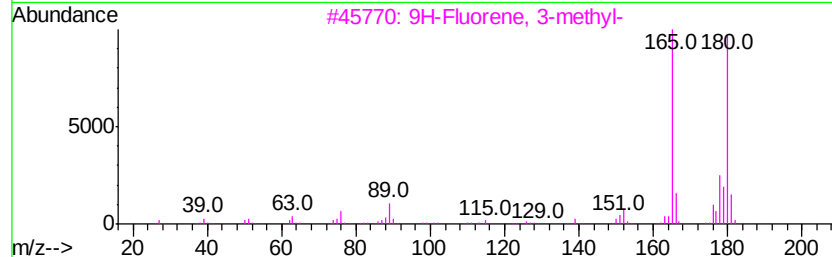
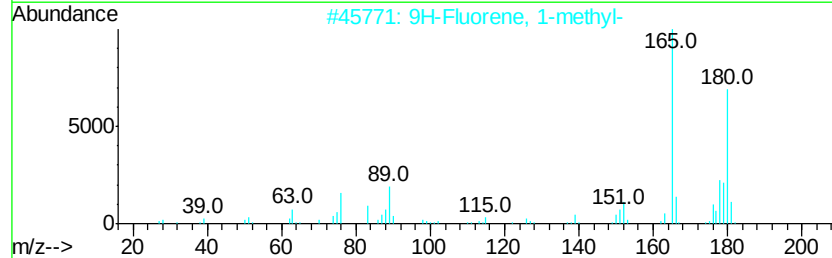
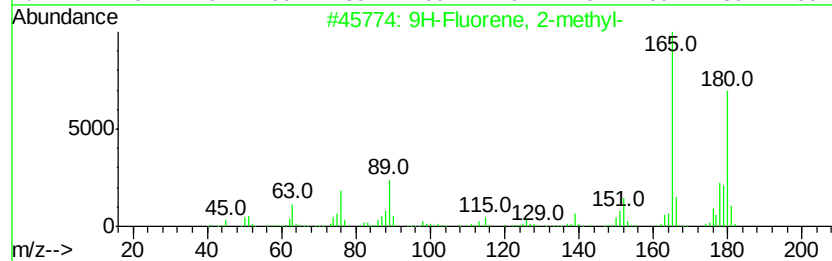
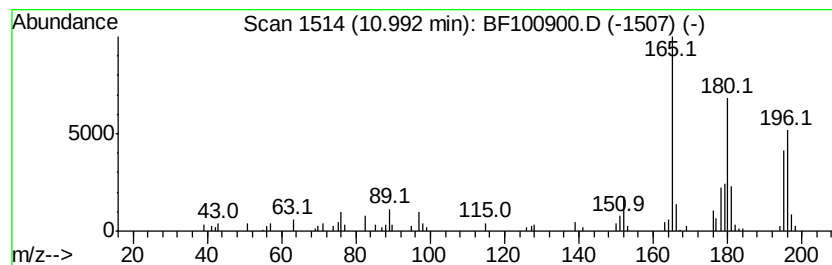
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Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	4.14 ng	104447	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	50
2			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	50
3			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	50
4			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	46
5			Ethylene, 1,1-diphenyl-	180	C14H12	000530-48-3	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112717\
Data File : BF100900.D
Acq On : 27 Nov 2017 18:54
Operator : SJ/JU
Sample : I6548-10
Misc :
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Instrument :
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ClientSampleId :
SAU-4-E(7-8)

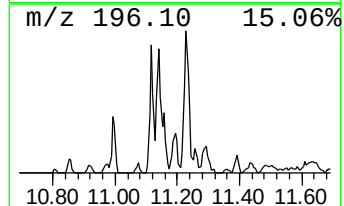
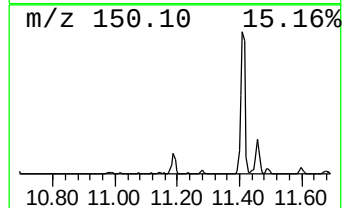
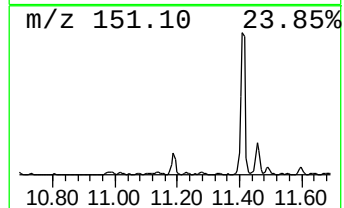
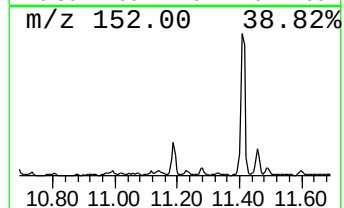
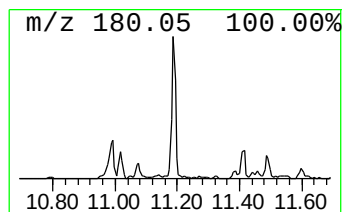
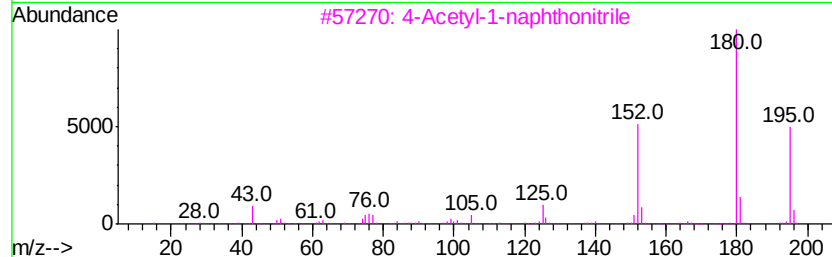
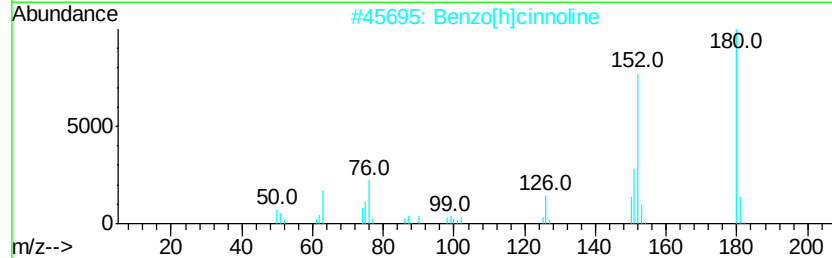
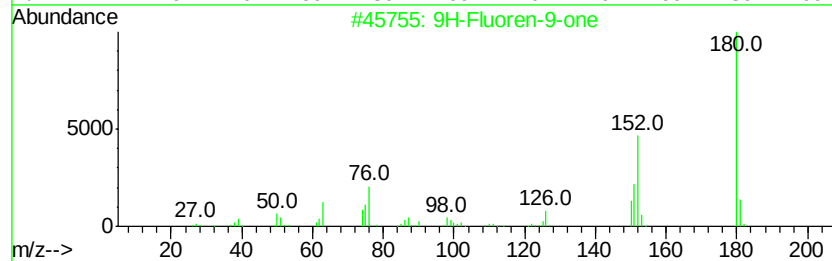
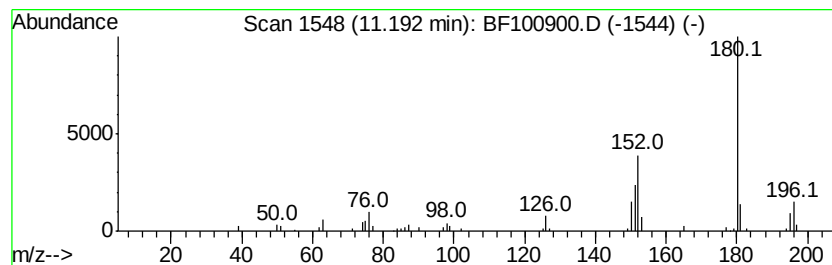
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	4.62 ng	116592	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3		4-Acetyl-1-naphthonitrile	195	C13H9NO	029139-00-2	64
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
5		2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112717\
Data File : BF100900.D
Acq On : 27 Nov 2017 18:54
Operator : SJ/JU
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ClientSampleId :
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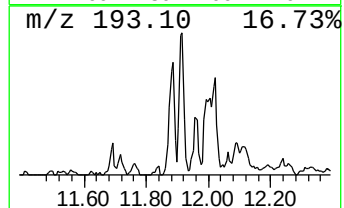
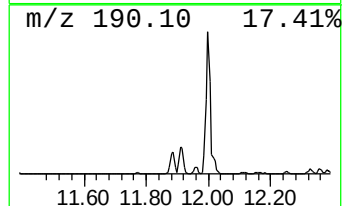
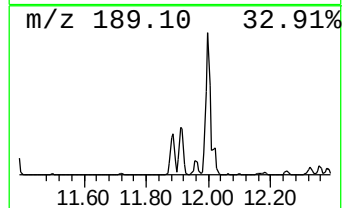
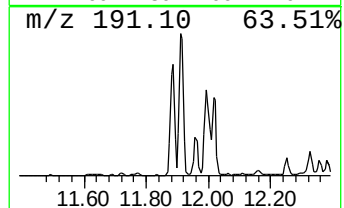
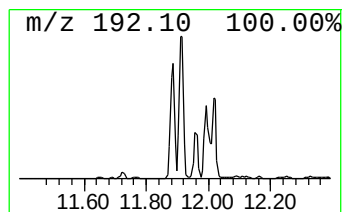
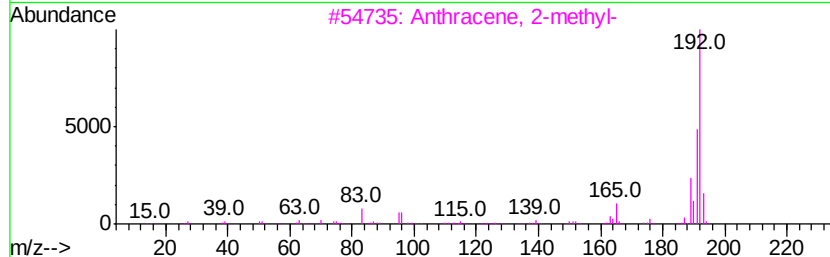
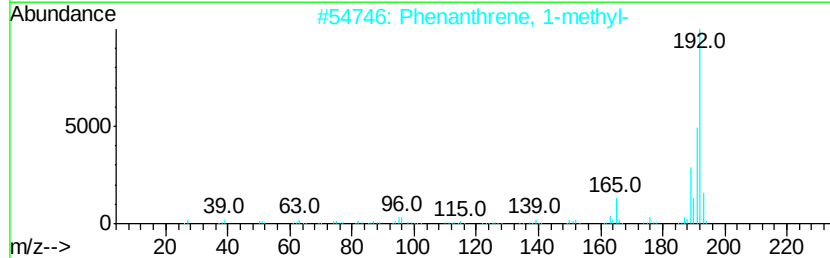
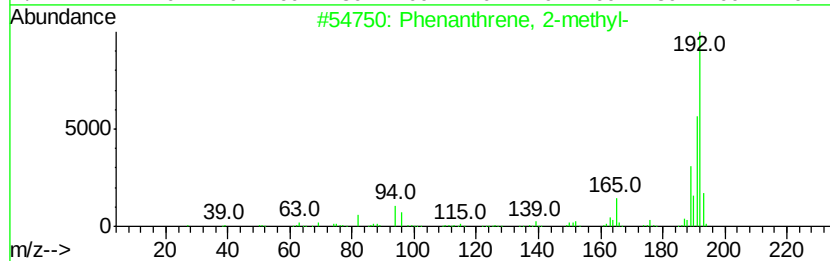
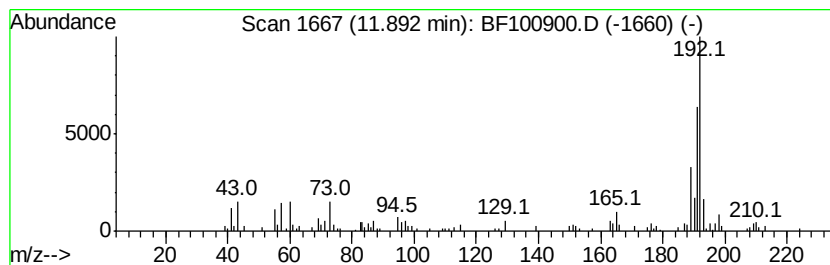
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	11.65 ng	294023	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100900.D
Acq On : 27 Nov 2017 18:54
Operator : SJ/JU
Sample : I6548-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SAU-4-E(7-8)

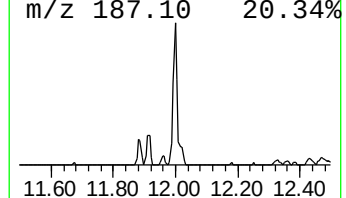
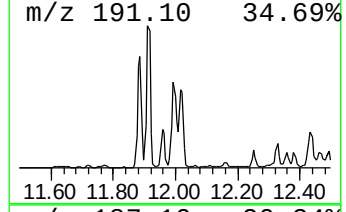
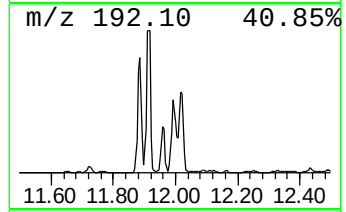
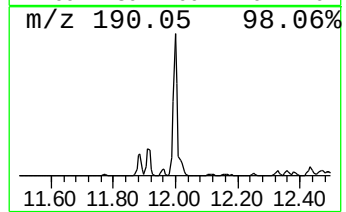
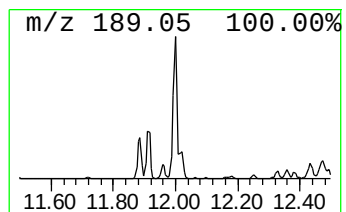
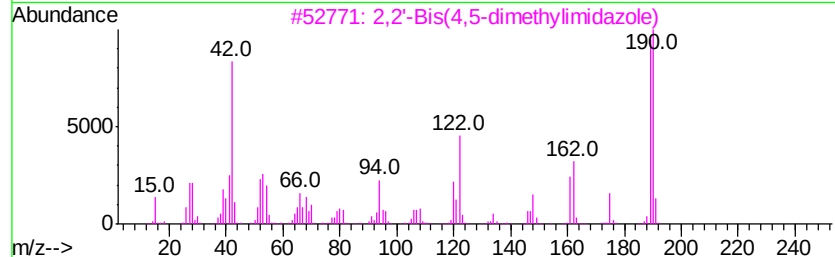
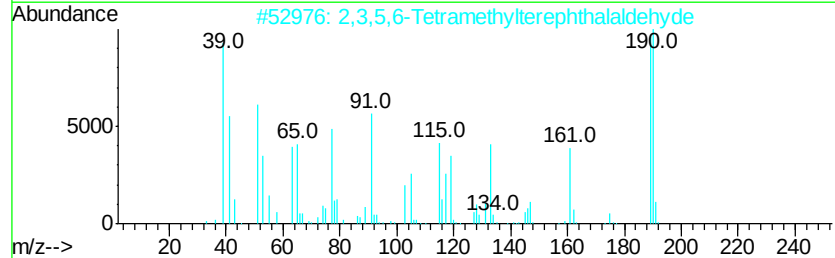
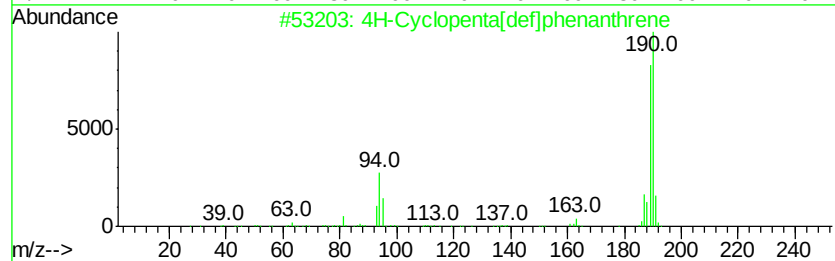
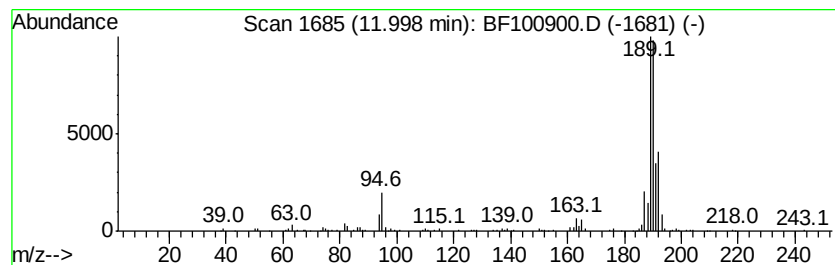
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	17.63 ng	444970	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	42
5		4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112717\
Data File : BF100900.D
Acq On : 27 Nov 2017 18:54
Operator : SJ/JU
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Misc :
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Instrument :
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ClientSampleId :
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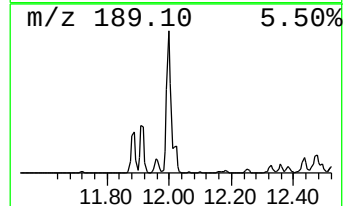
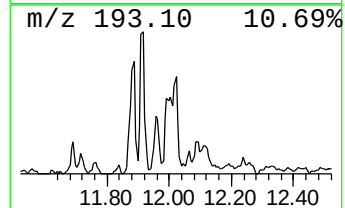
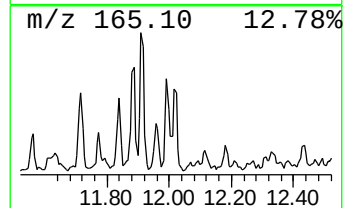
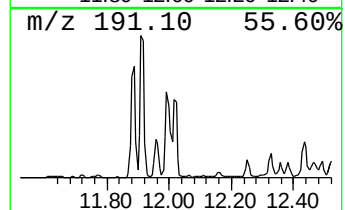
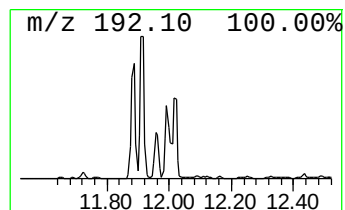
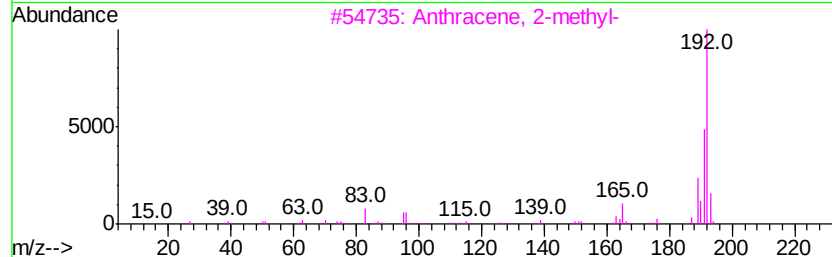
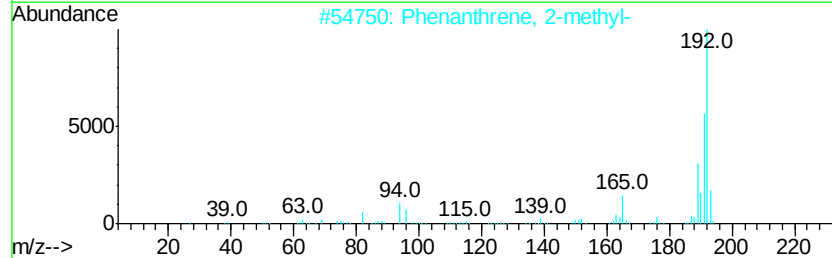
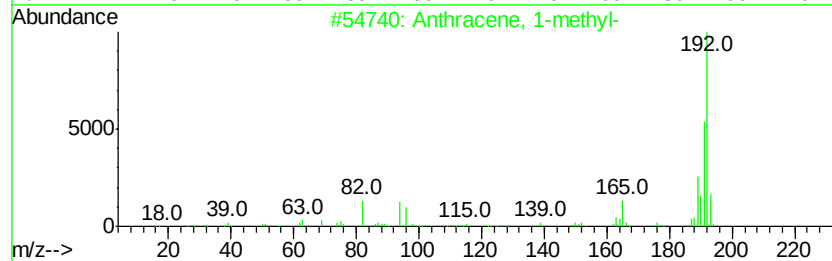
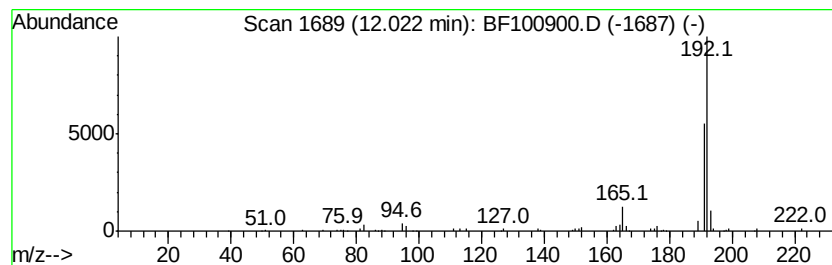
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	6.32 ng	159577	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
4			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	74
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100900.D
Acq On : 27 Nov 2017 18:54
Operator : SJ/JU
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ClientSampleId :
SAU-4-E(7-8)

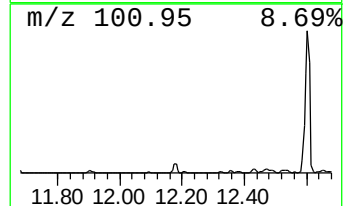
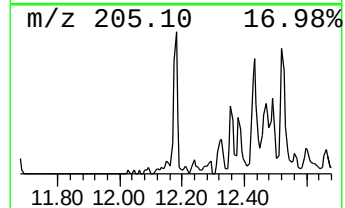
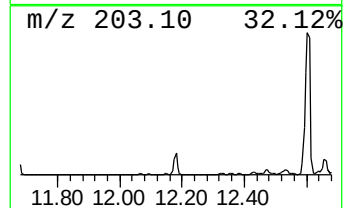
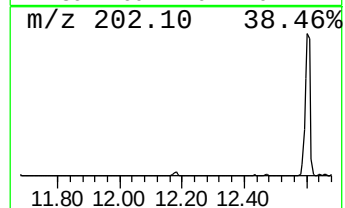
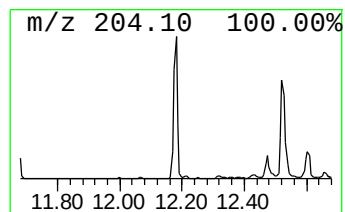
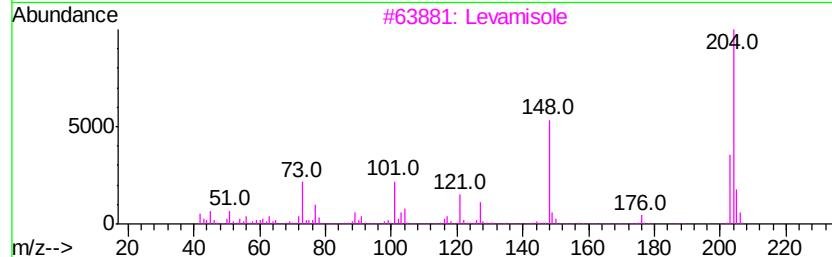
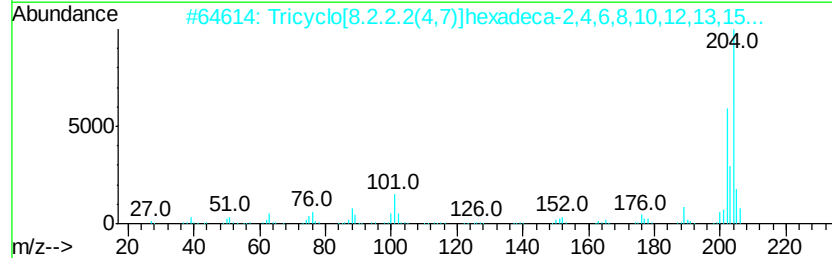
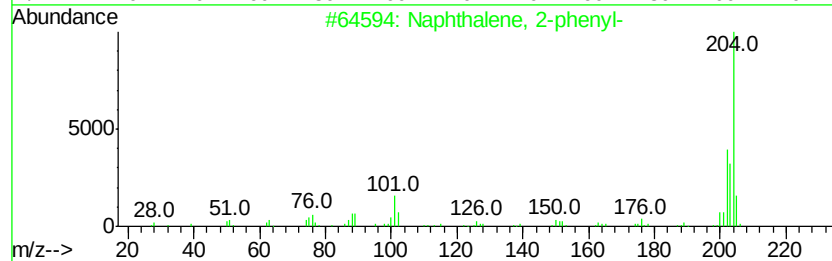
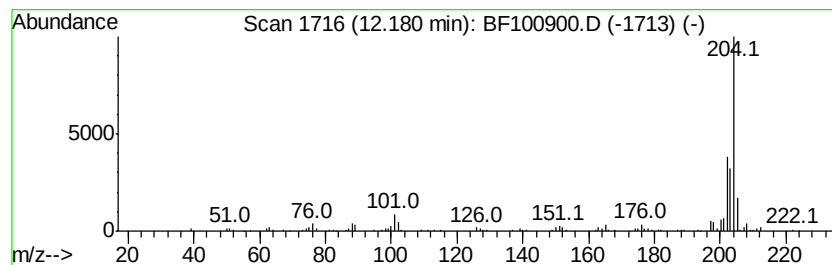
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	6.93 ng	174937	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3		Levamisole	204	C11H12N2S	014769-73-4	49
4		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
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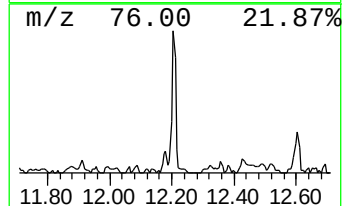
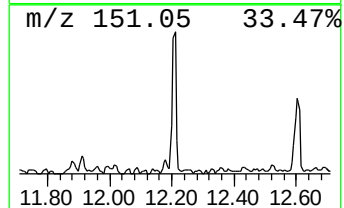
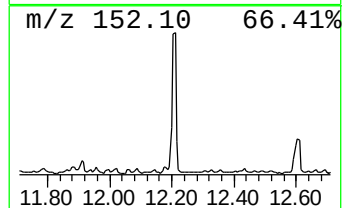
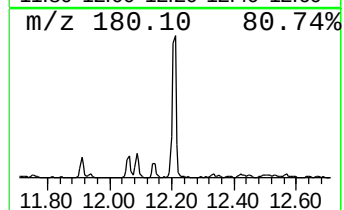
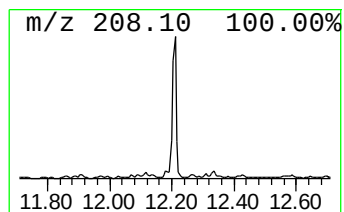
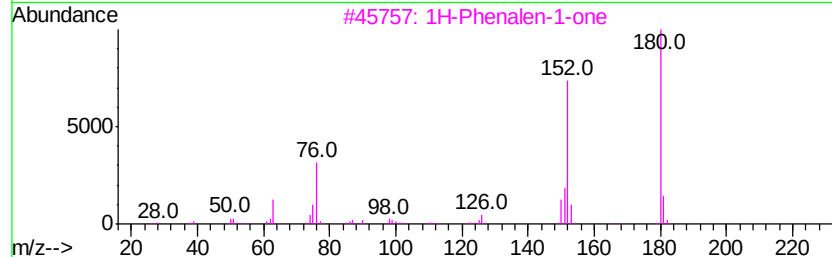
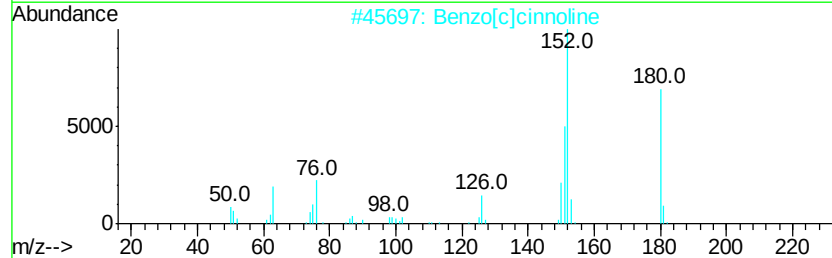
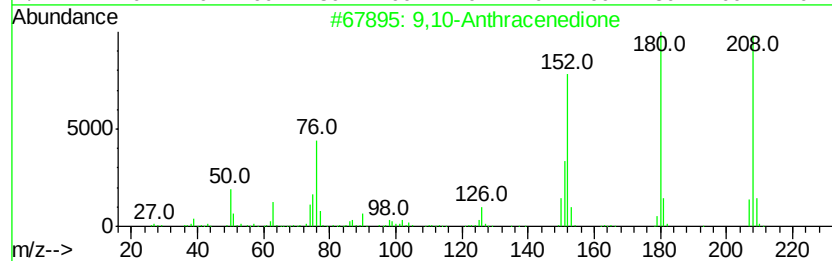
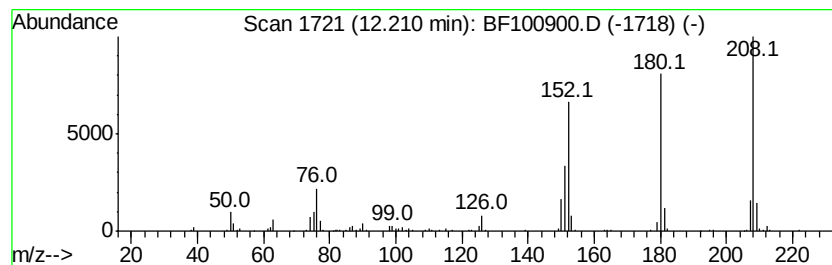
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	9.58 ng	241794	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3			1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4			1,4-Anthracenedione	208	C14H8O2	000635-12-1	50
5			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112717\
Data File : BF100900.D
Acq On : 27 Nov 2017 18:54
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ClientSampleId :
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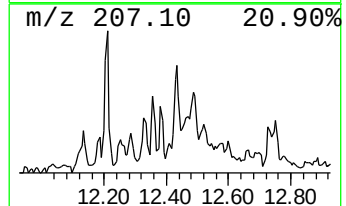
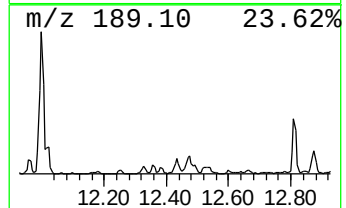
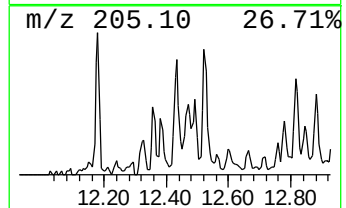
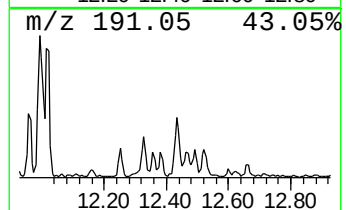
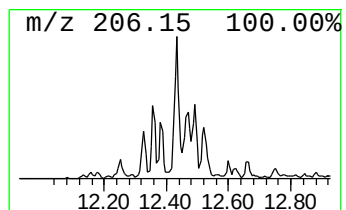
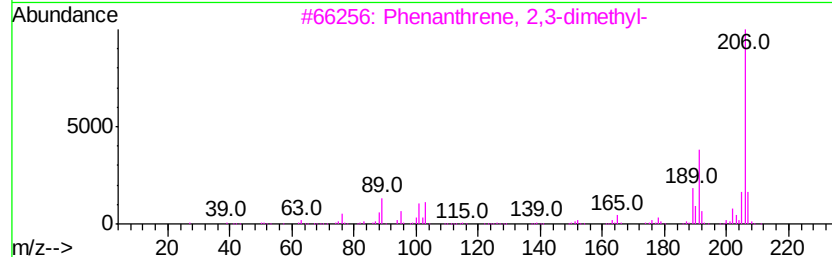
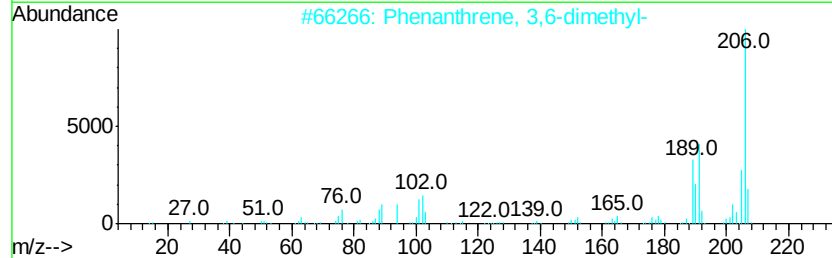
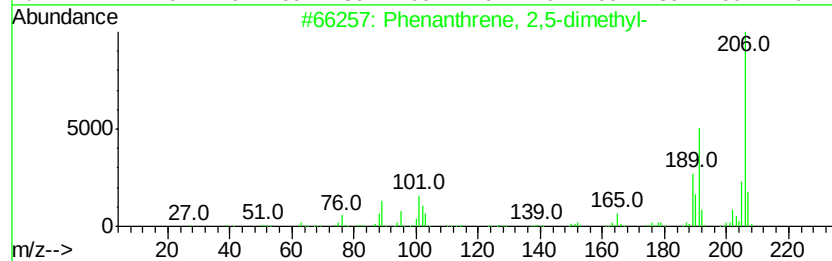
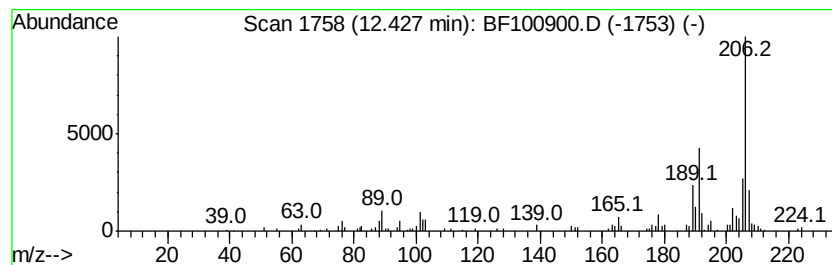
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	7.53 ng	190029	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5			9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100900.D
Acq On : 27 Nov 2017 18:54
Operator : SJ/JU
Sample : I6548-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)

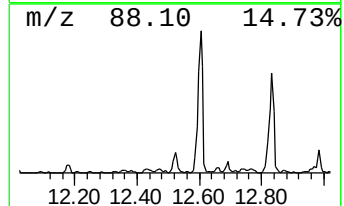
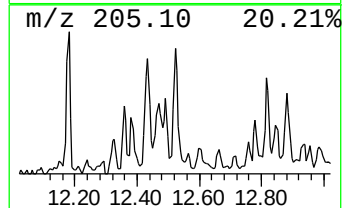
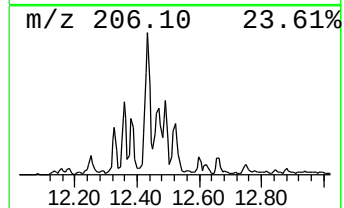
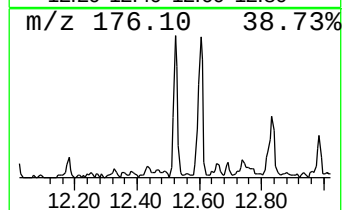
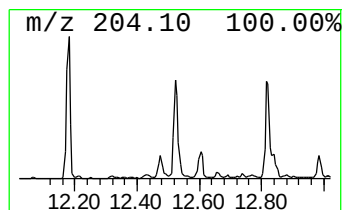
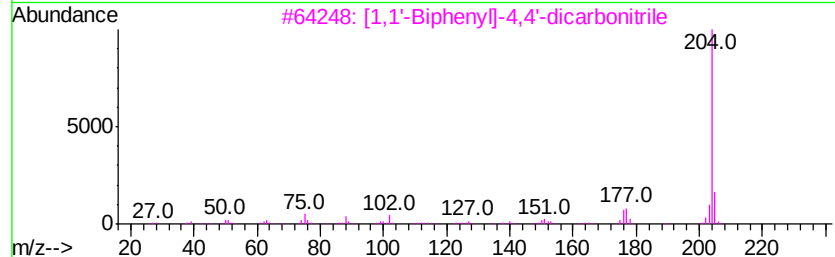
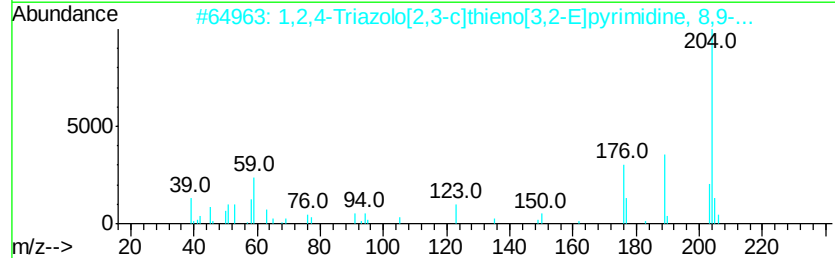
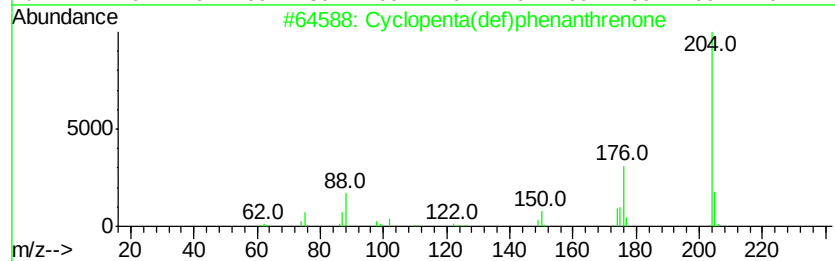
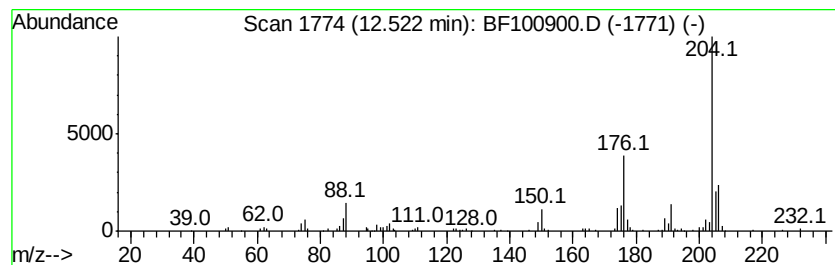
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	7.77 ng	196149	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	53
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100900.D
Acq On : 27 Nov 2017 18:54
Operator : SJ/JU
Sample : I6548-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SAU-4-E(7-8)

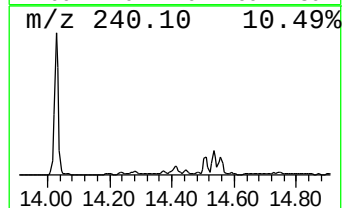
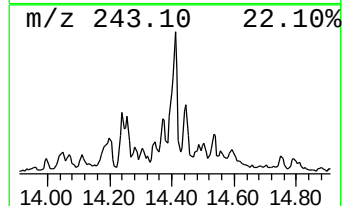
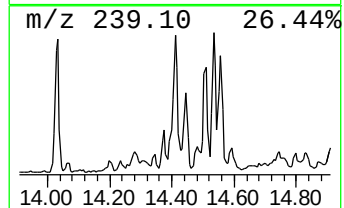
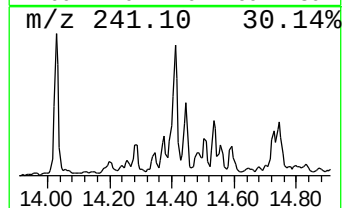
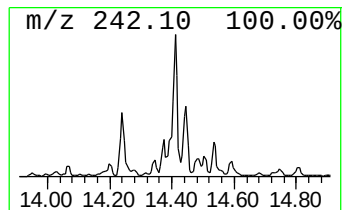
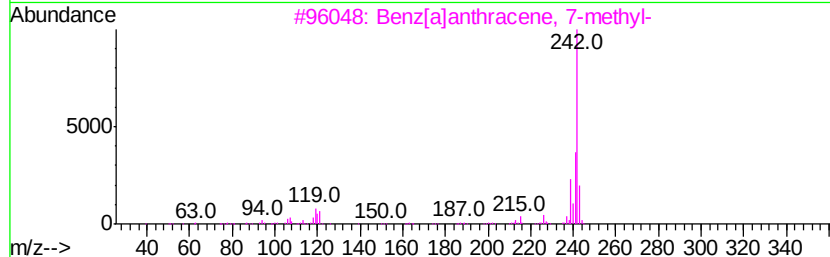
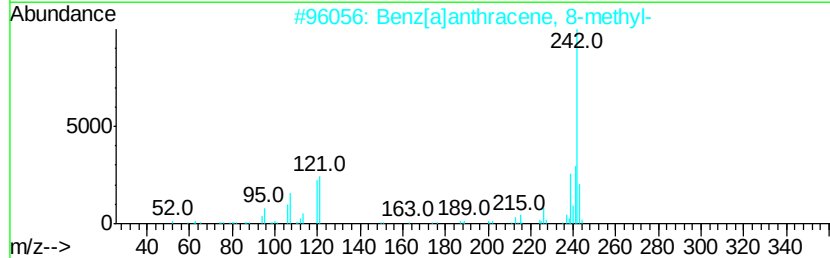
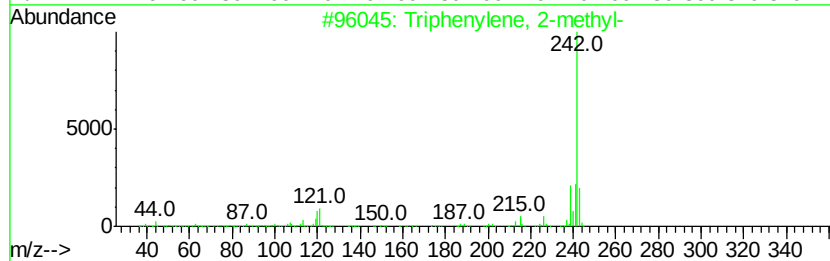
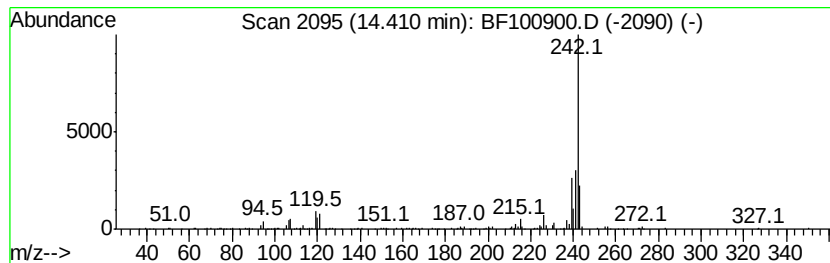
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Triphenylene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	4.07 ng	364638	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2		Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
3		Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
4		Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
5		Chrysene, 5-methyl-	242	C19H14	003697-24-3	92



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100900.D
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Sample : I6548-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

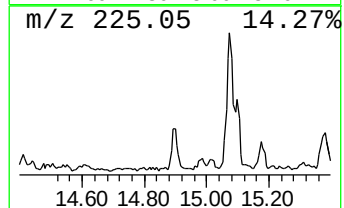
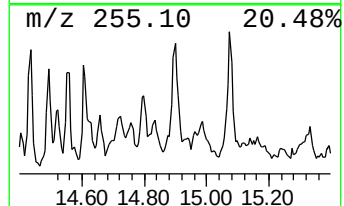
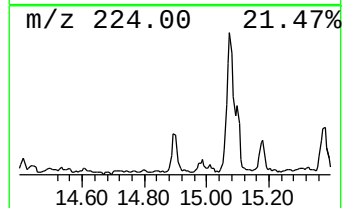
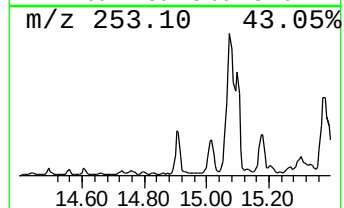
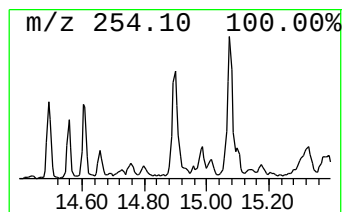
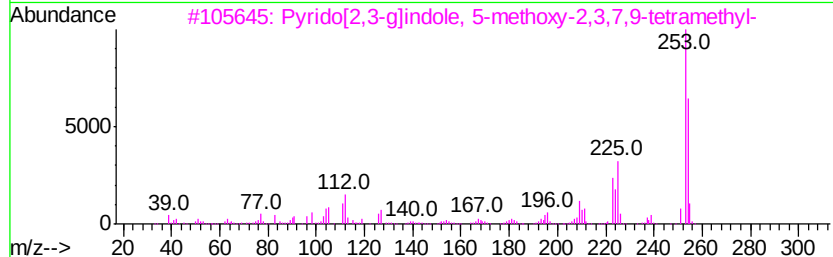
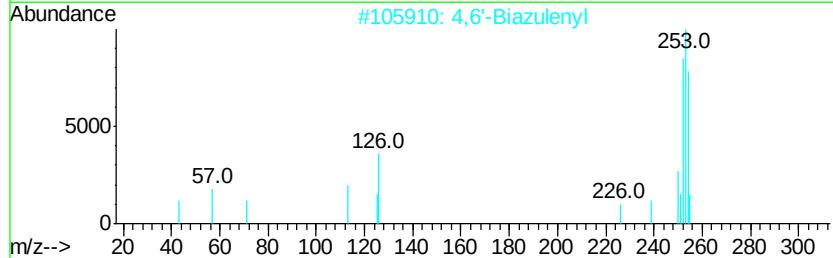
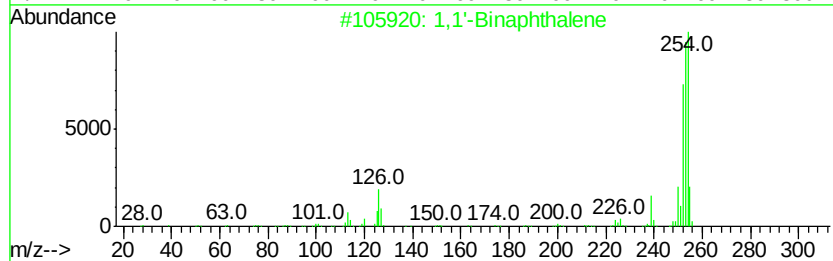
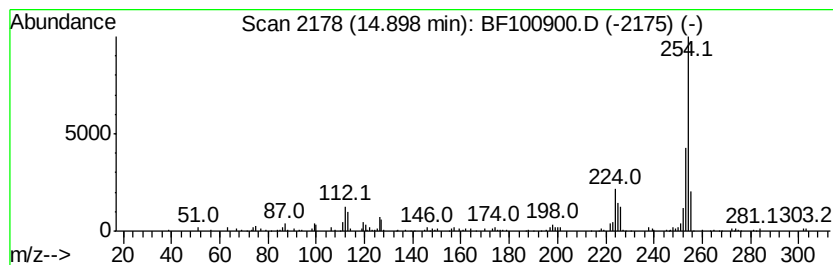
Instrument :
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ClientSampleId :
SAU-4-E(7-8)

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 17 1,1'-Binaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.90	8.43 ng	187308	Perylene-d12	15.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	90
2	4,6'-Biazulenyl	254	C20H14	094154-49-1	68
3	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	64
4	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	64
5	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100900.D
Acq On : 27 Nov 2017 18:54
Operator : SJ/JU
Sample : I6548-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)

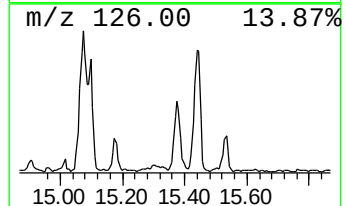
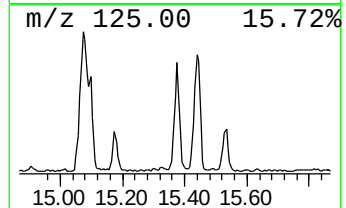
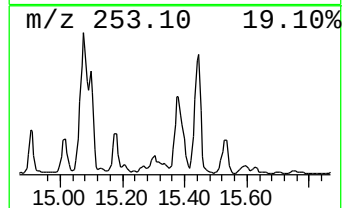
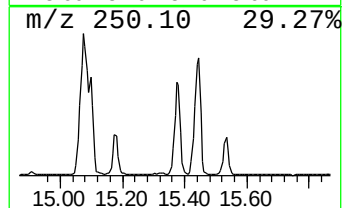
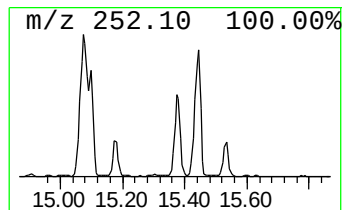
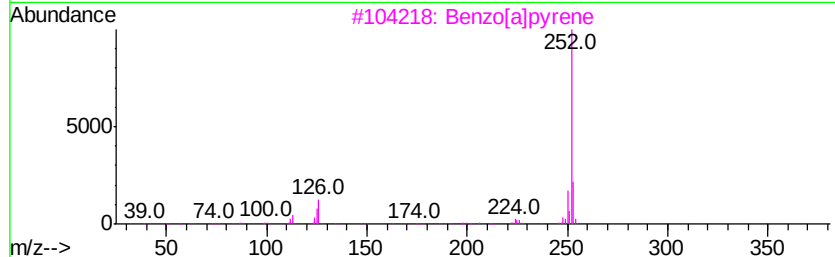
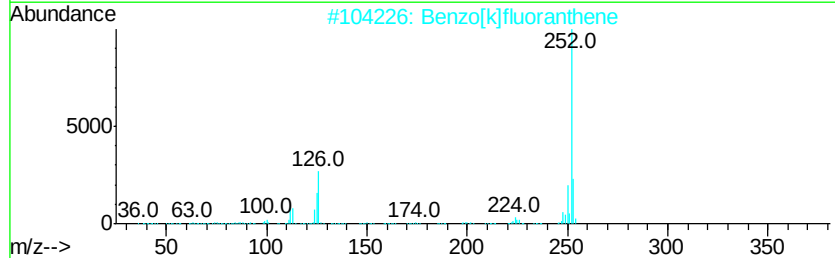
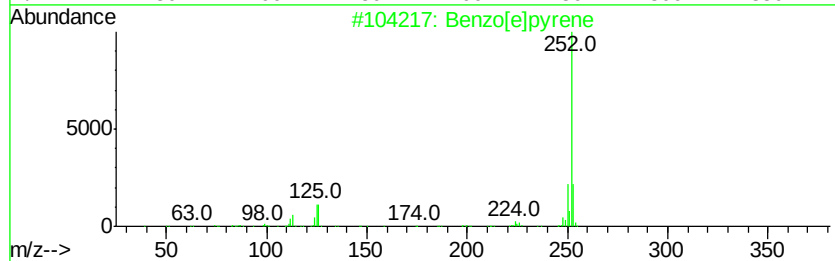
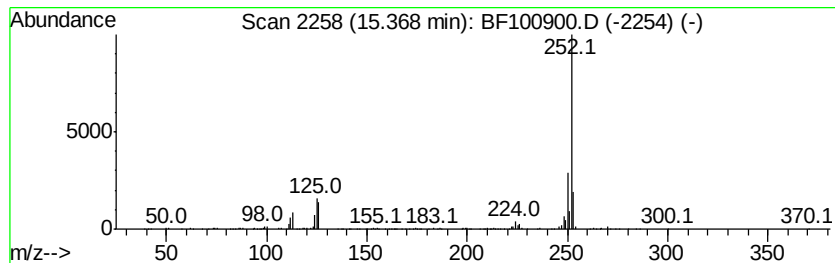
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	27.46 ng	610147	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3		Benzo[a]pyrene	252	C20H12	000050-32-8	91
4		Perylene	252	C20H12	000198-55-0	89
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112717\
Data File : BF100900.D
Acq On : 27 Nov 2017 18:54
Operator : SJ/JU
Sample : I6548-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampled :
SAU-4-E(7-8)

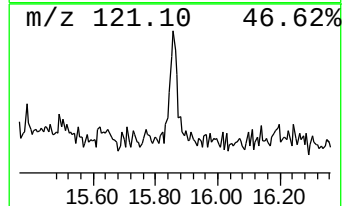
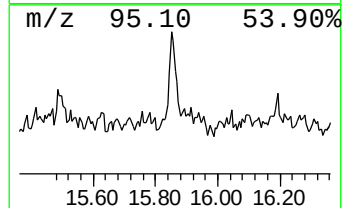
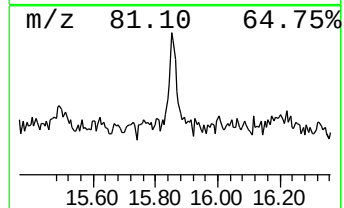
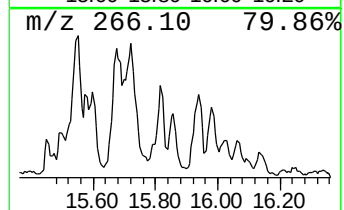
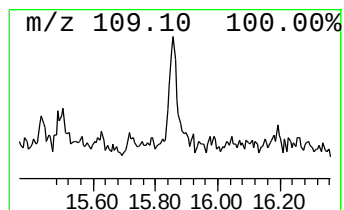
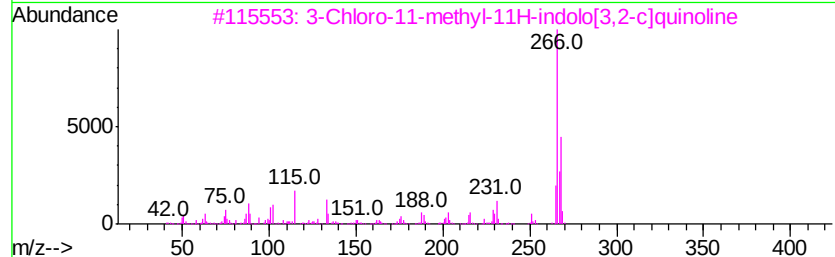
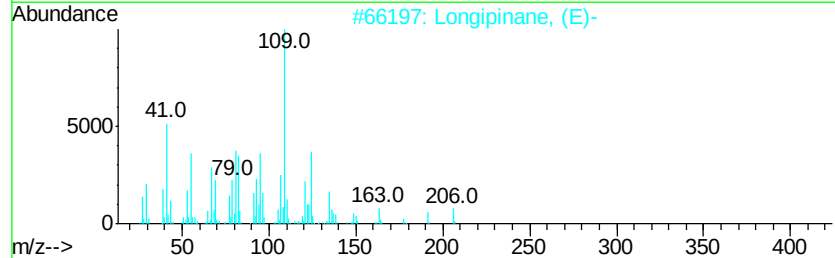
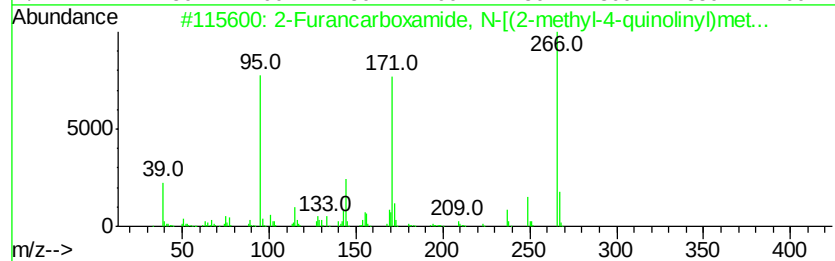
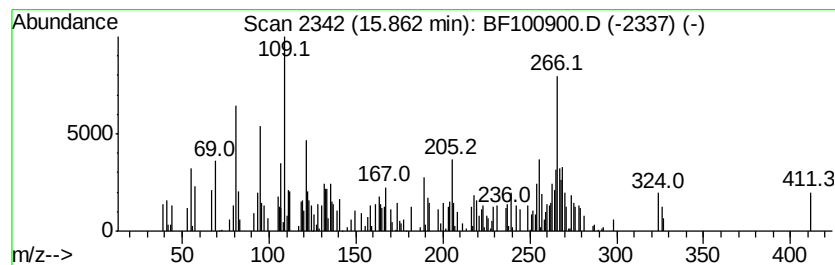
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown15.86 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	5.69 ng	126381	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Furancarboxamide, N-[(2-methyl...	266	C16H14N2O2	1000319-58-7	22
2		Longipinane, (E)-	206	C15H26	1000156-14-5	18
3		3-Chloro-11-methyl-11H-indolo[3,...	266	C16H11ClN2	155249-46-0	18
4		2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	15
5		10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	14



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 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 SAU-4-E(7-8)

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
2-Pentanone, 4-hy...	5.09	6.4	ng	131076	1	6.86	409419	20.0
unknown6.63	6.63	80.5	ng	1648270	1	6.86	409419	20.0
9H-Fluorene, 2-me...	10.99	4.1	ng	104447	4	11.39	504771	20.0
9H-Fluoren-9-one	11.19	4.6	ng	116592	4	11.39	504771	20.0
Phenanthrene, 2-m...	11.89	11.7	ng	294023	4	11.39	504771	20.0
4H-Cyclopenta[def...	12.00	17.6	ng	444970	4	11.39	504771	20.0
Anthracene, 1-met...	12.02	6.3	ng	159577	4	11.39	504771	20.0
Naphthalene, 2-ph...	12.18	6.9	ng	174937	4	11.39	504771	20.0
9,10-Anthracenedione	12.21	9.6	ng	241794	4	11.39	504771	20.0
Phenanthrene, 2,5...	12.43	7.5	ng	190029	4	11.39	504771	20.0
Cyclopenta(def)ph...	12.52	7.8	ng	196149	4	11.39	504771	20.0
Triphenylene, 2-m...	14.41	4.1	ng	364638	5	14.03	1793080	20.0
1,1'-Binaphthalene	14.90	8.4	ng	187308	6	15.50	444369	20.0
Benzo[e]pyrene	15.37	27.5	ng	610147	6	15.50	444369	20.0
unknown15.86	15.86	5.7	ng	126381	6	15.50	444369	20.0