

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103943.D
 Acq On : 26 Mar 2018 23:25
 Operator : JU/SJ
 Sample : J2047-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C1-CARVER-HALL-RCA

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-BF031518.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	2.269	26	31	38	rVB	29488	41706	2.41%	0.142%
2	4.592	422	426	434	rBV	186925	203554	11.77%	0.691%
3	5.198	525	529	533	rBV	841674	884169	51.14%	3.003%
4	5.598	593	597	607	rBV	173833	181050	10.47%	0.615%
5	5.916	648	651	662	rBV	315467	296285	17.14%	1.006%
6	6.592	762	766	778	rBV	640014	683095	39.51%	2.320%
7	6.739	788	791	794	rBV	380393	316229	18.29%	1.074%
8	6.792	797	800	813	rVV	296106	244331	14.13%	0.830%
9	6.975	827	831	834	rBV	1014548	808986	46.79%	2.748%
10	7.022	836	839	842	rBV	399790	296185	17.13%	1.006%
11	7.057	842	845	848	rVB	76032	67034	3.88%	0.228%
12	7.128	854	857	860	rVB	877225	678865	39.26%	2.306%
13	7.533	922	926	929	rBV	537170	496201	28.70%	1.685%
14	7.945	994	996	1000	rBV	76834	69161	4.00%	0.235%
15	8.145	1027	1030	1033	rBV	326940	285882	16.53%	0.971%
16	8.257	1045	1049	1051	rBV	1350368	1099338	63.58%	3.734%
17	8.275	1051	1052	1055	rVB	257508	180684	10.45%	0.614%
18	8.833	1143	1147	1151	rVB	49432	47586	2.75%	0.162%
19	8.969	1166	1170	1172	rBV	62395	54712	3.16%	0.186%
20	9.327	1227	1231	1240	rBV	1259660	1060179	61.32%	3.601%
21	9.398	1240	1243	1245	rVV	72292	57836	3.34%	0.196%
22	9.433	1245	1249	1254	rVB	31195	34940	2.02%	0.119%
23	9.669	1282	1289	1292	rVV4	25460	34369	1.99%	0.117%
24	9.716	1295	1297	1305	rVB	59649	66744	3.86%	0.227%
25	9.927	1329	1333	1337	rBV	76268	60429	3.49%	0.205%
26	10.016	1344	1348	1351	rBV2	1293306	1110188	64.21%	3.771%
27	10.045	1351	1353	1358	rVB	406157	351357	20.32%	1.193%
28	10.169	1369	1374	1379	rBV4	27886	37852	2.19%	0.129%
29	10.221	1379	1383	1386	rBV	140766	137703	7.96%	0.468%
30	10.427	1415	1418	1422	rVB	94988	74245	4.29%	0.252%
31	10.563	1438	1441	1447	rVB	255813	227133	13.14%	0.771%
32	10.633	1447	1453	1454	rVV2	35903	50568	2.92%	0.172%
33	10.651	1454	1456	1458	rVV	67272	56745	3.28%	0.193%
34	10.698	1462	1464	1466	rVV	37590	36085	2.09%	0.123%

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35	10.721	1466	1468	1473	rVB2	41458	40311	2.33%	0.137%
36	10.804	1479	1482	1486	rBV	40497	52351	3.03%	0.178%
37	10.904	1496	1499	1509	rVB4	94669	143337	8.29%	0.487%
38	11.104	1528	1533	1537	rBV3	50783	90422	5.23%	0.307%
39	11.227	1551	1554	1557	rBV4	27665	36330	2.10%	0.123%
40	11.310	1565	1568	1572	rVB	64601	57652	3.33%	0.196%
41	11.351	1572	1575	1578	rBV	110640	105257	6.09%	0.357%
42	11.380	1578	1580	1582	rVV2	43155	42460	2.46%	0.144%
43	11.404	1582	1584	1589	rVB	123297	108806	6.29%	0.370%
44	11.510	1598	1602	1604	rBV	1141541	1058264	61.20%	3.594%
45	11.533	1604	1606	1610	rVV	1798860	1543232	89.25%	5.241%
46	11.586	1610	1615	1618	rVV	548878	494161	28.58%	1.678%
47	11.616	1618	1620	1626	rVB	72853	80844	4.68%	0.275%
48	11.739	1633	1641	1645	rVV2	279670	307104	17.76%	1.043%
49	11.780	1645	1648	1650	rVV2	63424	53894	3.12%	0.183%
50	11.839	1655	1658	1662	rVB4	33949	36345	2.10%	0.123%
51	12.010	1681	1687	1689	rBV	153211	145161	8.40%	0.493%
52	12.039	1689	1692	1697	rVB2	209144	229778	13.29%	0.780%
53	12.086	1697	1700	1703	rVB	86990	71657	4.14%	0.243%
54	12.127	1703	1707	1709	rBV	290297	293347	16.97%	0.996%
55	12.186	1714	1717	1720	rBV2	72113	69066	3.99%	0.235%
56	12.215	1720	1722	1724	rVB2	52670	40525	2.34%	0.138%
57	12.304	1734	1737	1740	rVV	121188	106429	6.16%	0.361%
58	12.333	1740	1742	1745	rVB2	85111	71047	4.11%	0.241%
59	12.451	1760	1762	1766	rVB3	49541	47181	2.73%	0.160%
60	12.563	1778	1781	1782	rBV	53441	54096	3.13%	0.184%
61	12.651	1793	1796	1800	rVB	54351	49103	2.84%	0.167%
62	12.733	1805	1810	1813	rBV	1733963	1681594	97.26%	5.711%
63	12.762	1813	1815	1818	rVB2	74167	61468	3.56%	0.209%
64	12.786	1818	1819	1822	rVB	46804	38531	2.23%	0.131%
65	12.880	1827	1835	1837	rBV2	75208	125244	7.24%	0.425%
66	12.962	1842	1849	1854	rBV2	1465778	1729053	100.00%	5.872%
67	13.004	1854	1856	1861	rVB3	74468	71529	4.14%	0.243%
68	13.092	1864	1871	1874	rBV	984438	972109	56.22%	3.302%
69	13.115	1874	1875	1880	rVB2	109916	78021	4.51%	0.265%
70	13.174	1880	1885	1886	rBV2	82525	123180	7.12%	0.418%
71	13.198	1886	1889	1896	rVB2	198210	233271	13.49%	0.792%

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72	13.262	1896	1900	1901	rBV3	62948	80886	4.68%	0.275%
73	13.286	1901	1904	1906	rVV2	215883	191333	11.07%	0.650%
74	13.351	1912	1915	1918	rBV	202635	158756	9.18%	0.539%
75	13.392	1918	1922	1924	rBV2	94459	116369	6.73%	0.395%
76	13.415	1924	1926	1929	rVB	55568	47521	2.75%	0.161%
77	13.515	1940	1943	1946	rBV4	68133	76090	4.40%	0.258%
78	13.562	1948	1951	1954	rVV	451698	351913	20.35%	1.195%
79	13.592	1954	1956	1961	rVB	56461	58683	3.39%	0.199%
80	13.639	1961	1964	1969	rBV3	58455	102009	5.90%	0.346%
81	13.798	1988	1991	1995	rVB	93368	93208	5.39%	0.317%
82	13.909	2007	2010	2012	rBV2	105956	104500	6.04%	0.355%
83	13.939	2012	2015	2017	rVV	112667	108715	6.29%	0.369%
84	13.974	2017	2021	2024	rVV2	204669	287499	16.63%	0.976%
85	14.004	2024	2026	2031	rVB2	102621	116610	6.74%	0.396%
86	14.121	2042	2046	2049	rBV	1054978	916158	52.99%	3.112%
87	14.162	2049	2053	2056	rVV2	1142144	1633753	94.49%	5.549%
88	14.192	2056	2058	2065	rVB	678828	588223	34.02%	1.998%
89	14.274	2069	2072	2074	rBV	131429	118960	6.88%	0.404%
90	14.357	2084	2086	2088	rVB	88853	61750	3.57%	0.210%
91	14.392	2088	2092	2095	rBV2	86581	112545	6.51%	0.382%
92	14.557	2118	2120	2123	rVB2	96569	76333	4.41%	0.259%
93	14.615	2128	2130	2134	rVV2	61548	59803	3.46%	0.203%
94	14.709	2144	2146	2150	rVB3	94937	85099	4.92%	0.289%
95	15.251	2234	2238	2241	rBV	490118	781494	45.20%	2.654%
96	15.362	2255	2257	2261	rBV	83261	81347	4.70%	0.276%
97	15.574	2290	2293	2300	rVB	303733	421524	24.38%	1.432%
98	15.645	2300	2305	2311	rBV	468635	654620	37.86%	2.223%
99	15.715	2312	2317	2320	rBV	550661	774119	44.77%	2.629%
100	17.292	2581	2585	2591	rVB2	165101	310331	17.95%	1.054%

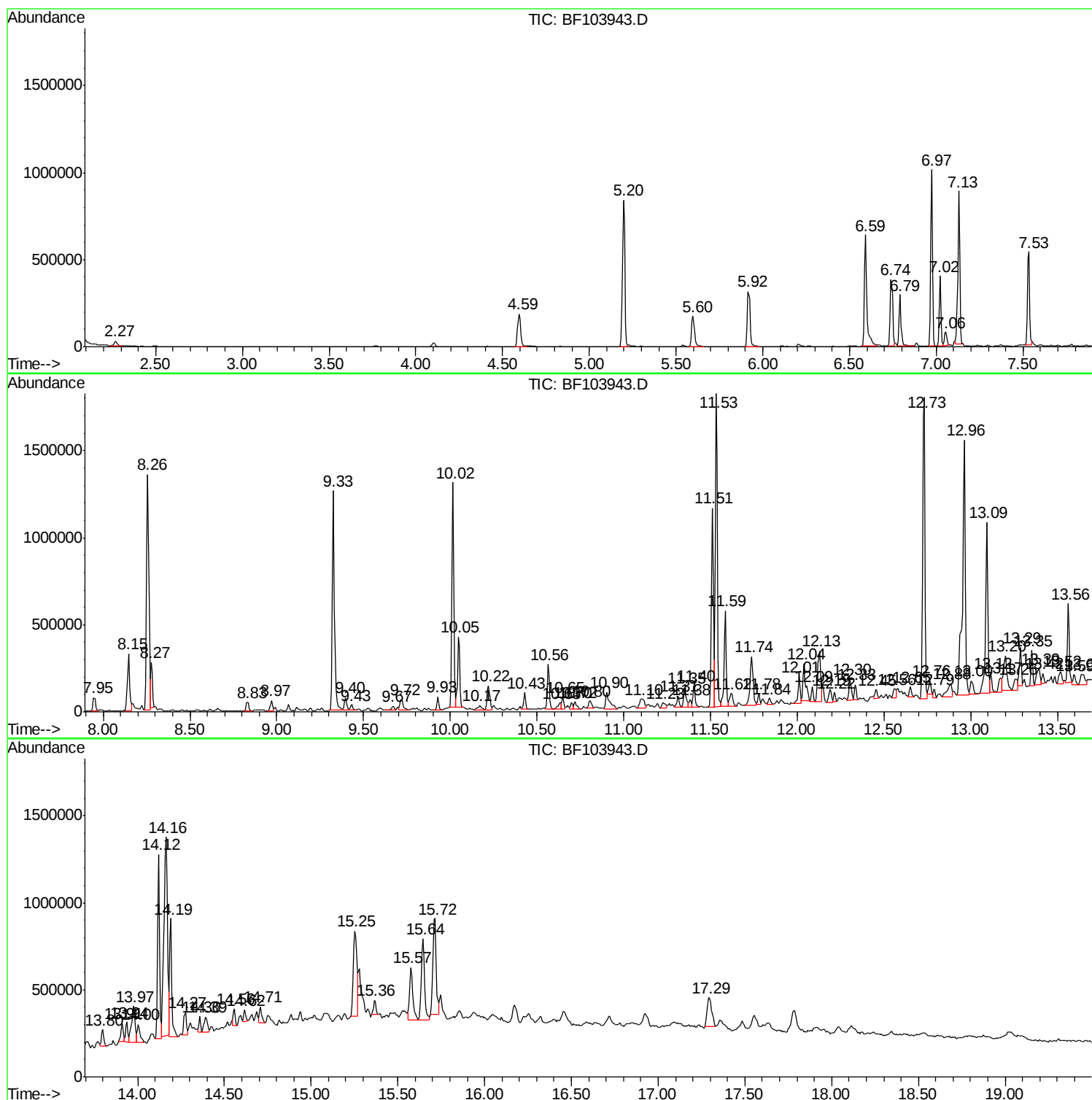
Sum of corrected areas: 29443737

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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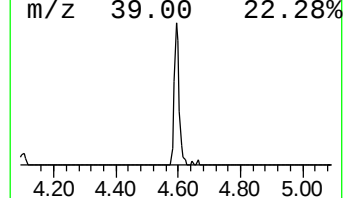
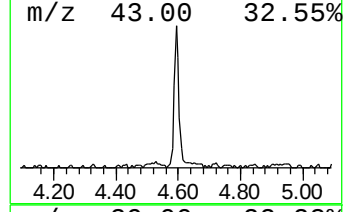
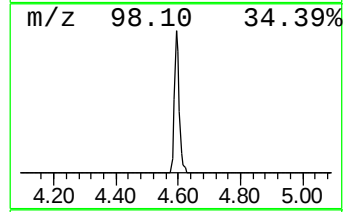
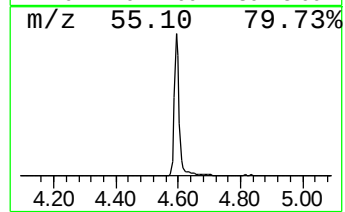
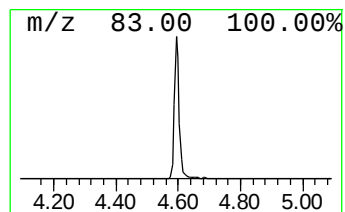
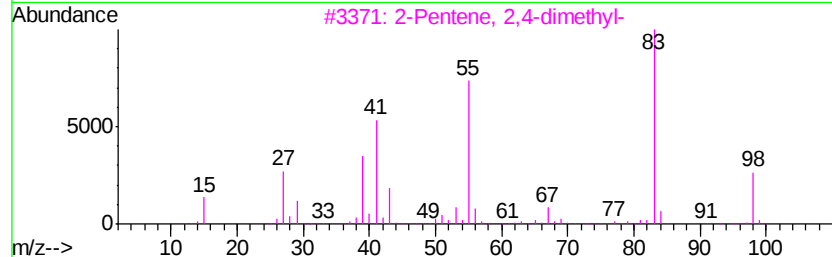
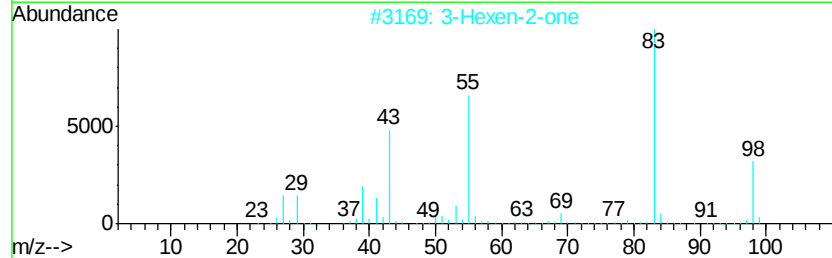
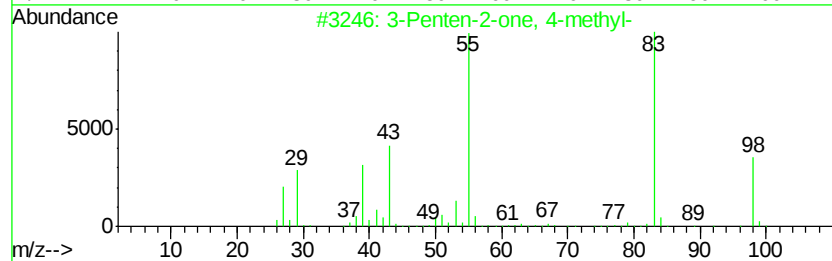
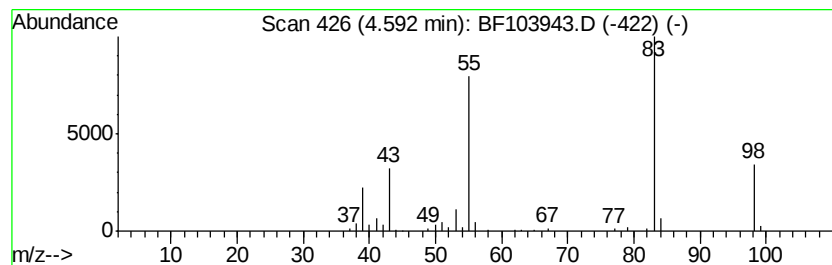
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	5.03 ng	203554	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2			3-Hexen-2-one	98	C6H10O	000763-93-9	91
3			2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	86
4			2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86
5			2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	80



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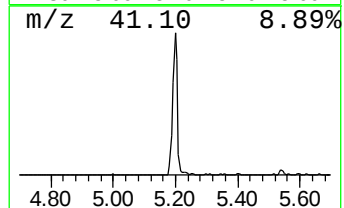
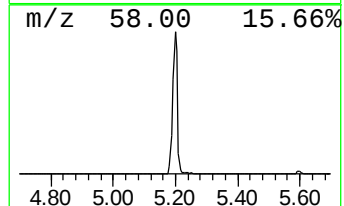
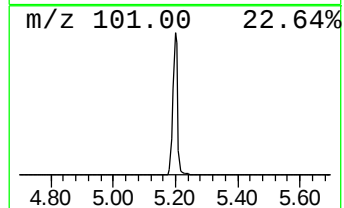
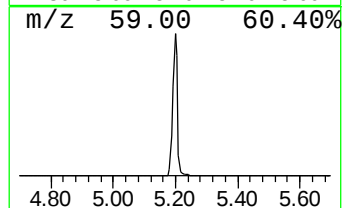
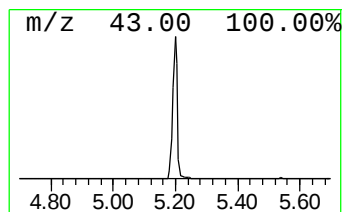
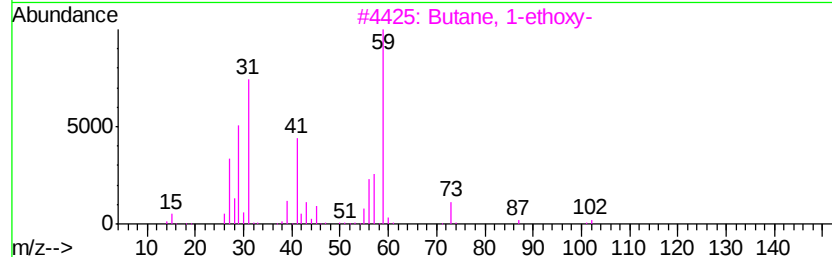
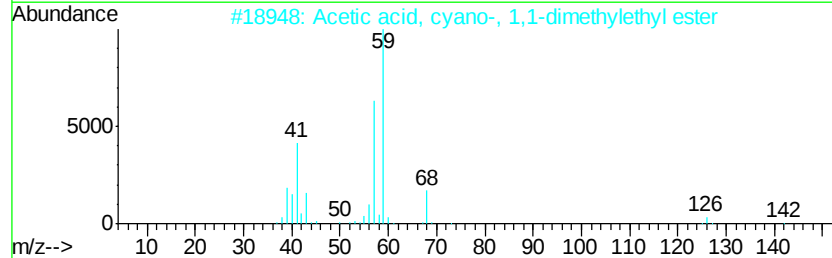
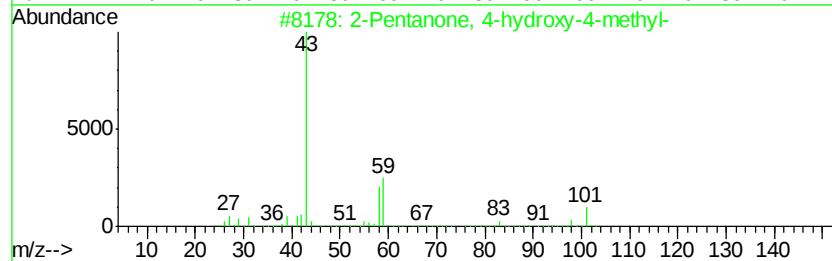
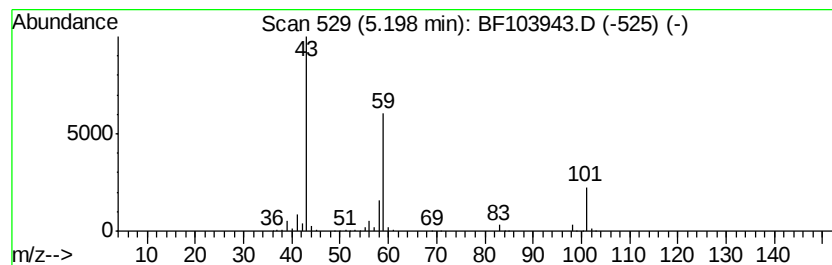
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	21.86 ng	884169	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
3		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5		5-Hexen-2-one	98	C6H10O	000109-49-9	9



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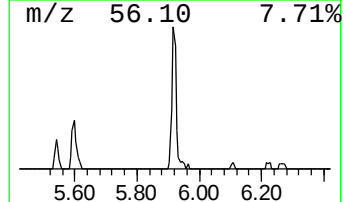
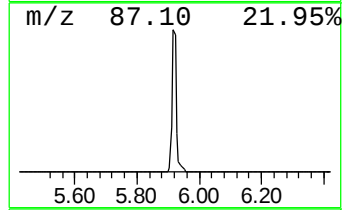
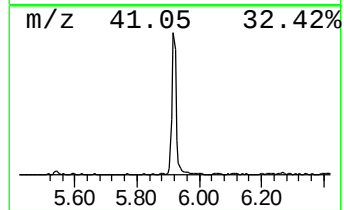
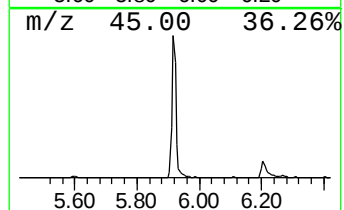
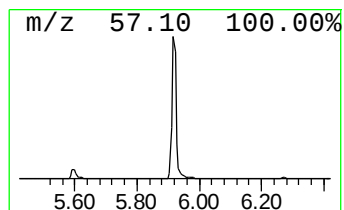
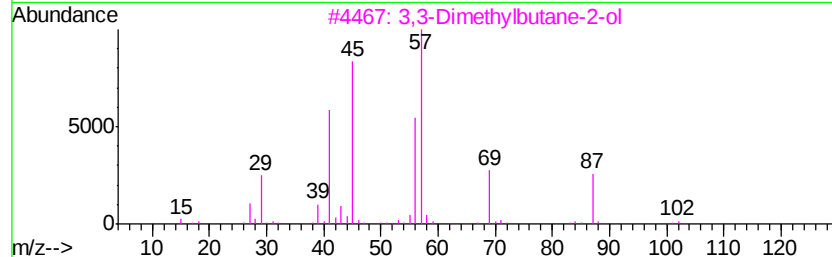
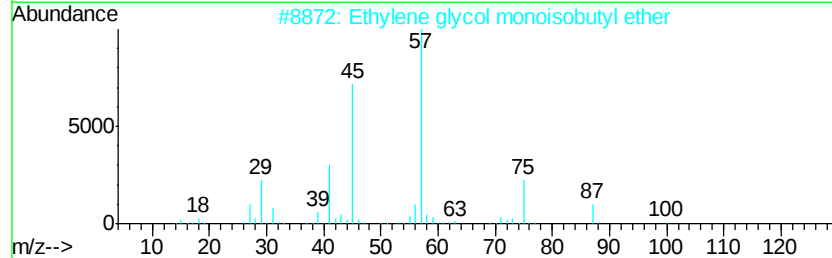
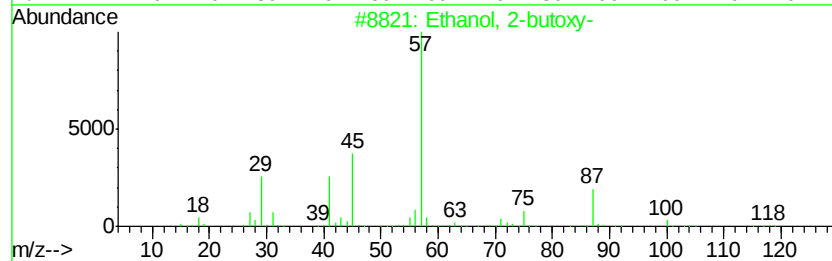
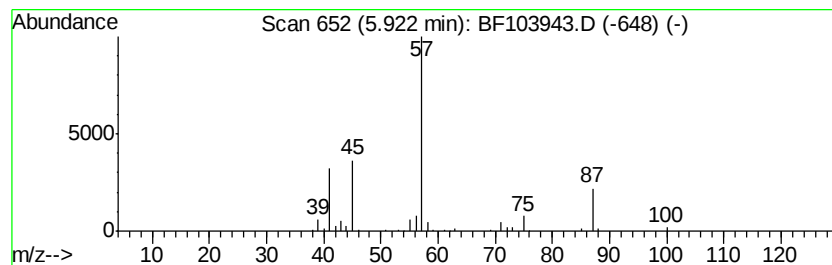
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Ethanol, 2-butoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	7.32 ng	296285	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
2		Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	53
3		3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	40
4		Propane, 1-(chloromethoxy)-2-met...	122	C5H11ClO	034180-11-5	27
5		Formic acid, 3,3-dimethylbut-2-y...	130	C7H14O2	1000368-20-5	25



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Data File : BF103943.D
Acq On : 26 Mar 2018 23:25
Operator : JU/SJ
Sample : J2047-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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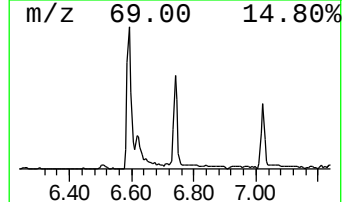
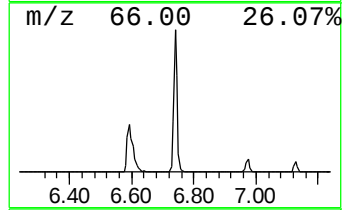
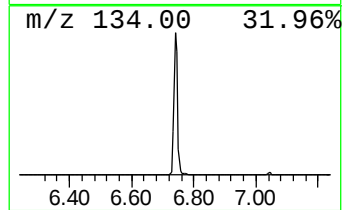
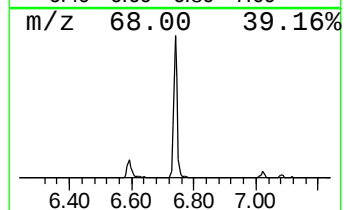
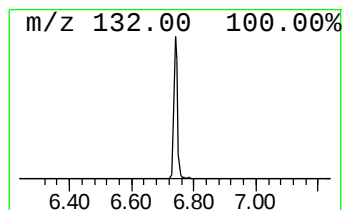
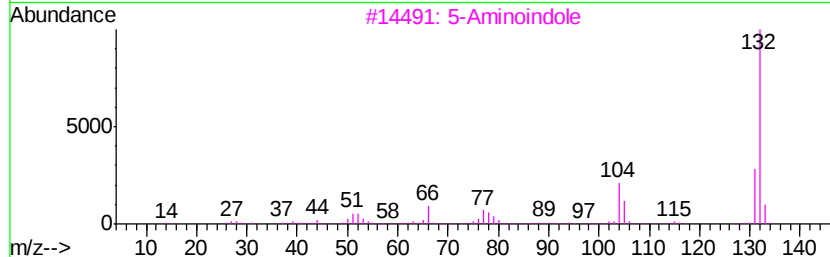
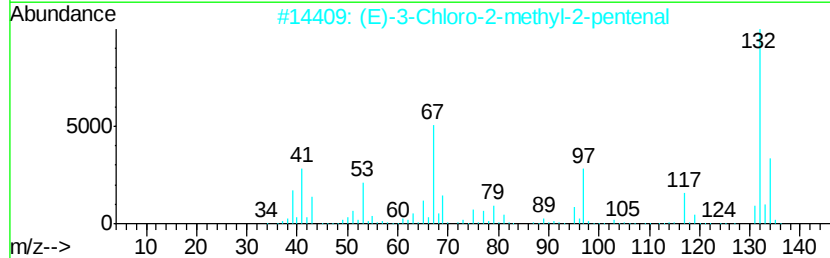
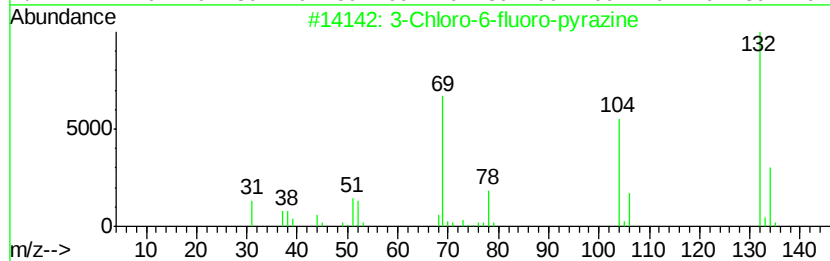
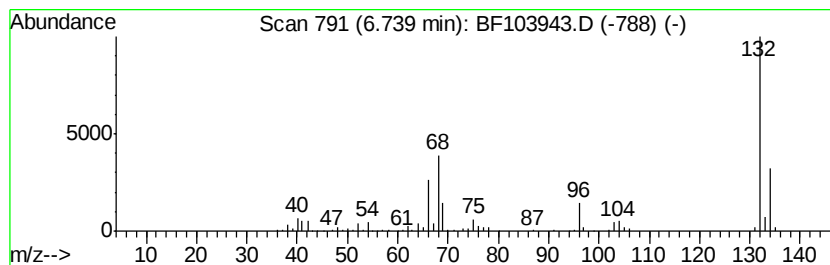
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown6.74 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	7.82 ng	316229	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
3			5-Aminoindole	132	C8H8N2	005192-03-0	12
4			4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5			5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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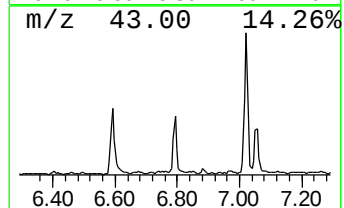
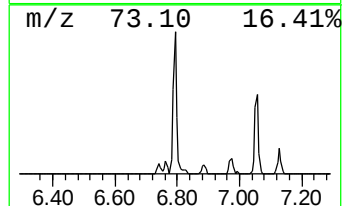
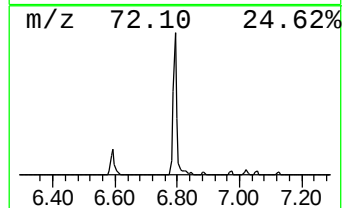
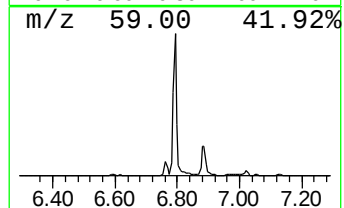
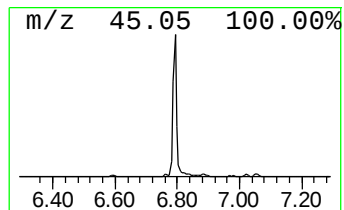
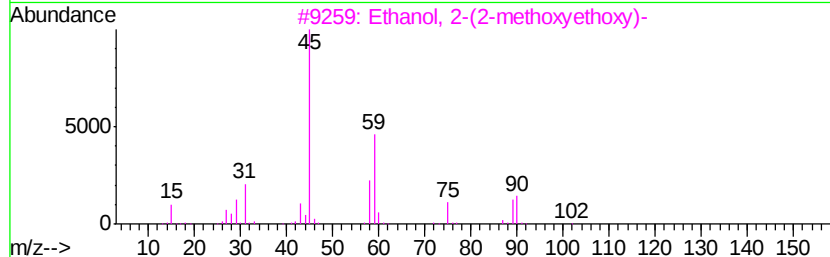
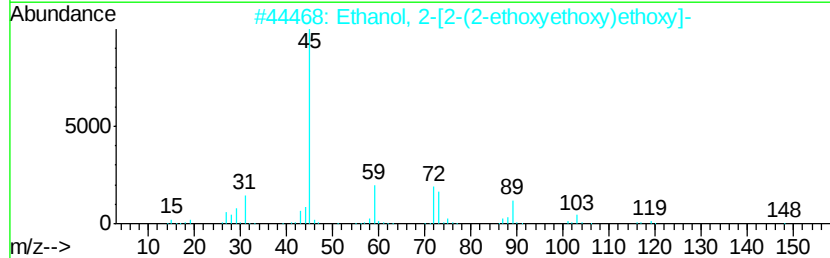
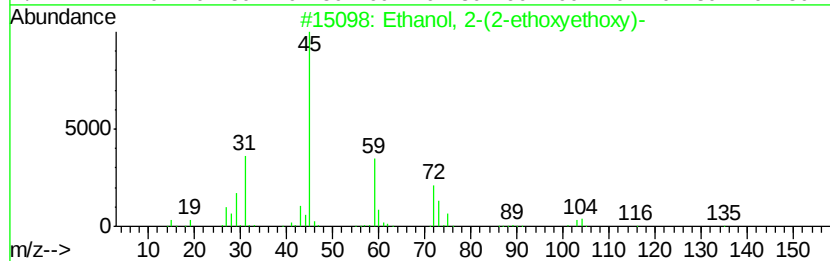
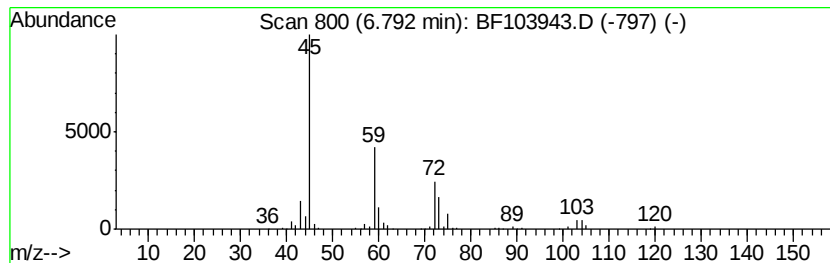
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	6.04 ng	244331	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-(2-ethoxvethoxy)-	134	C6H14O3	000111-90-0	90
2		Ethanol, 2-[2-(2-ethoxvethoxy)et...	178	C8H18O4	000112-50-5	64
3		Ethanol, 2-(2-methoxvethoxy)-	120	C5H12O3	000111-77-3	59
4		2-Propanol, 1-(1-methvlethoxy)-	118	C6H14O2	003944-36-3	45
5		Diethyl carbitol	162	C8H18O3	000112-36-7	36



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
Data File : BF103943.D
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ClientSampleId :
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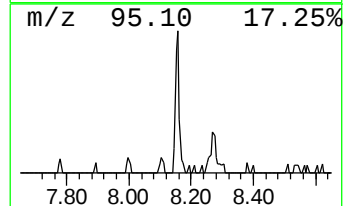
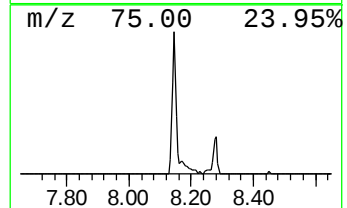
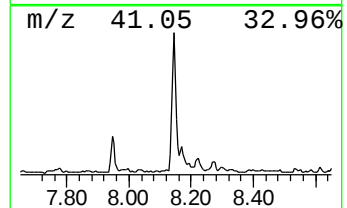
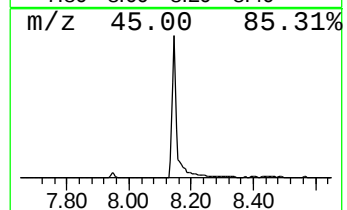
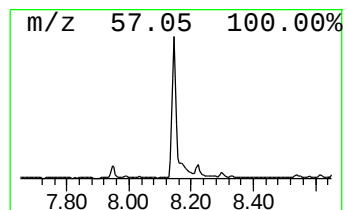
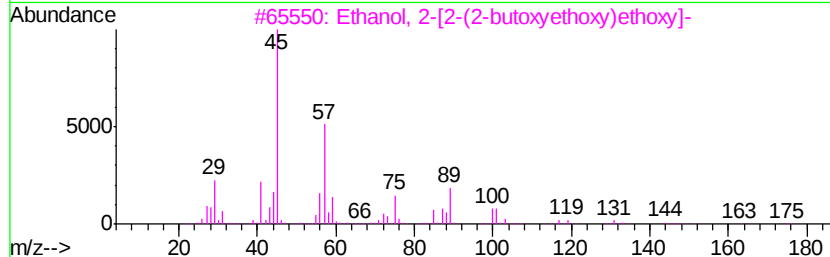
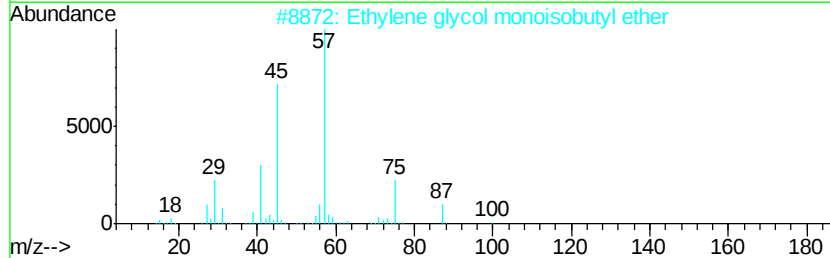
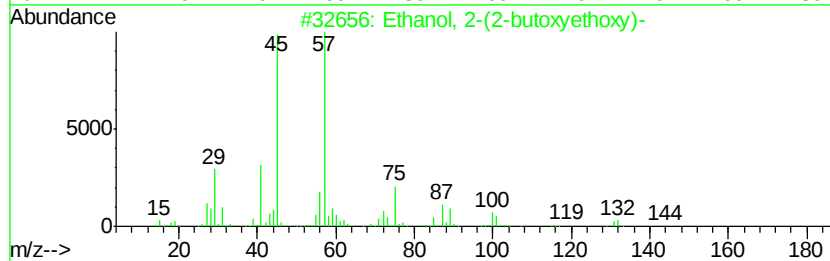
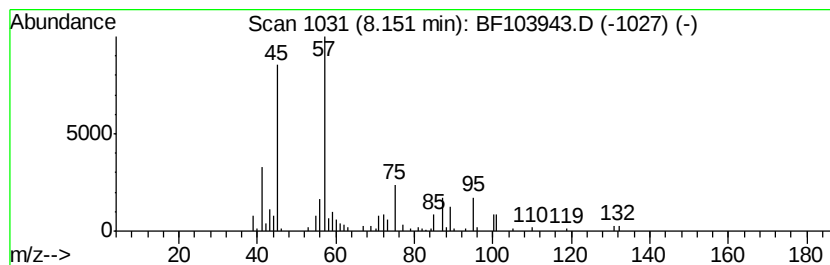
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	5.20 ng	285882	Naphthalene-d8	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2		Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
3		Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	50
4		3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	50
5		Di-sec-butyl ether	130	C8H18O	006863-58-7	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032618\
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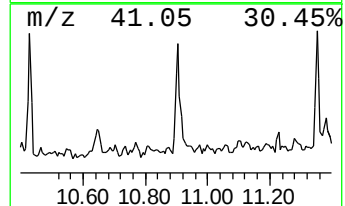
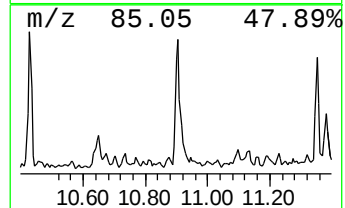
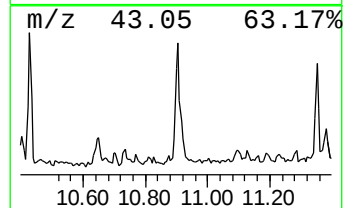
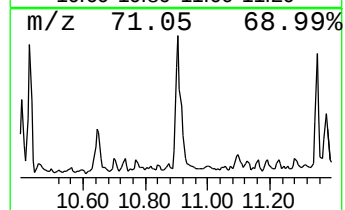
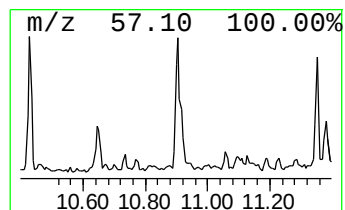
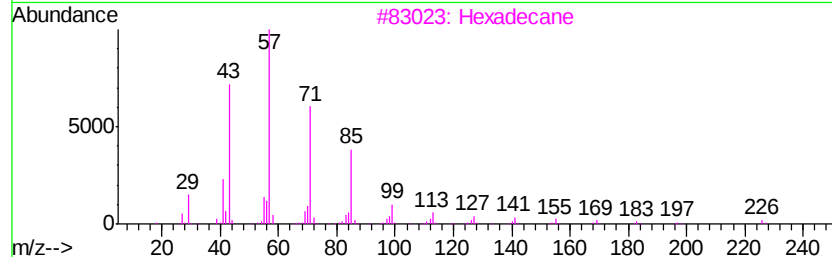
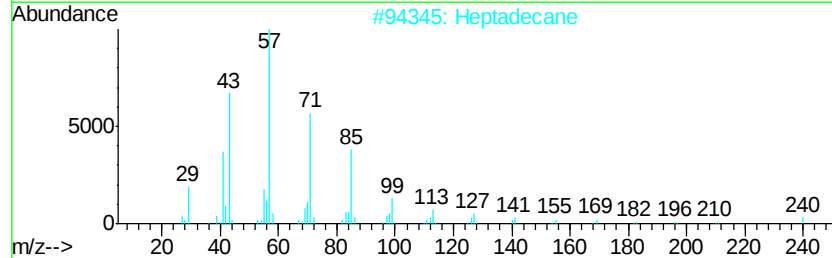
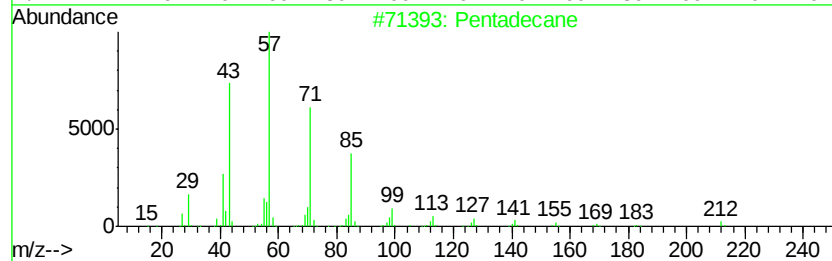
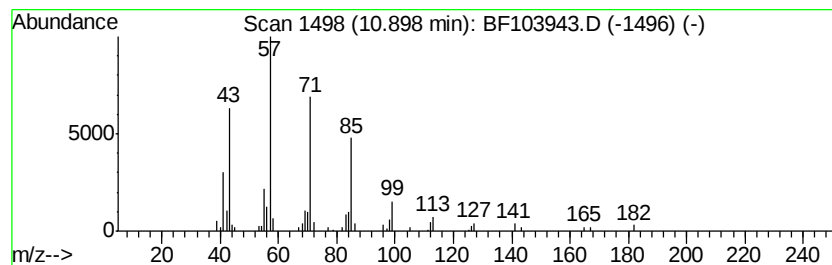
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pentadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.90	2.71 ng	143337	Phenanthrene-d10	11.51	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	91
2	Heptadecane	240	C17H36	000629-78-7	91
3	Hexadecane	226	C16H34	000544-76-3	91
4	Tetradecane	198	C14H30	000629-59-4	91
5	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032618\
Data File : BF103943.D
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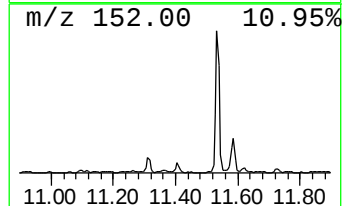
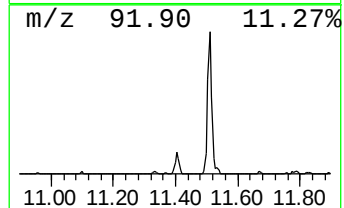
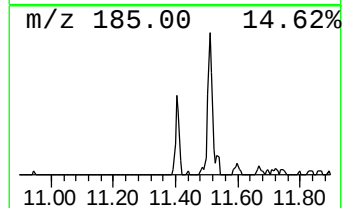
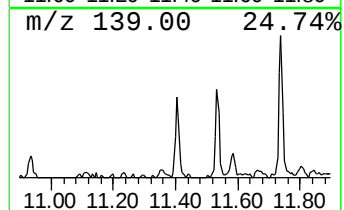
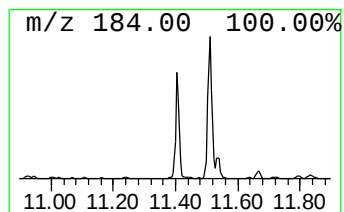
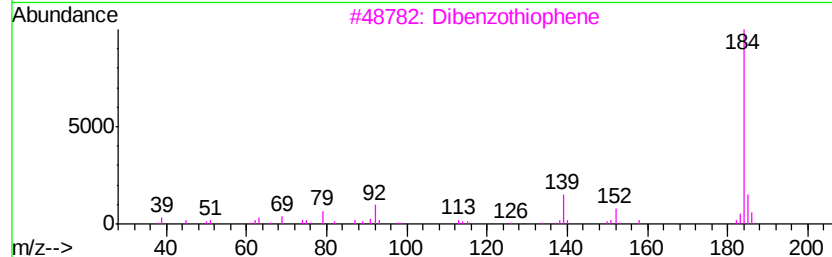
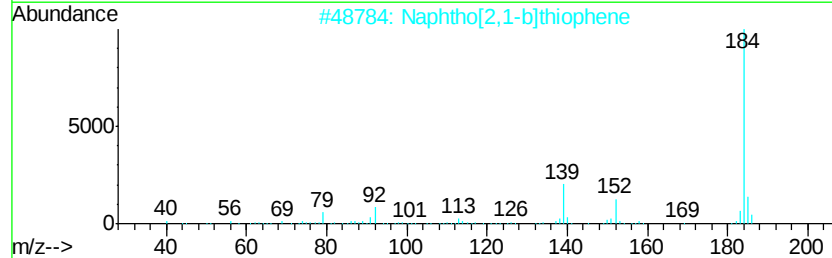
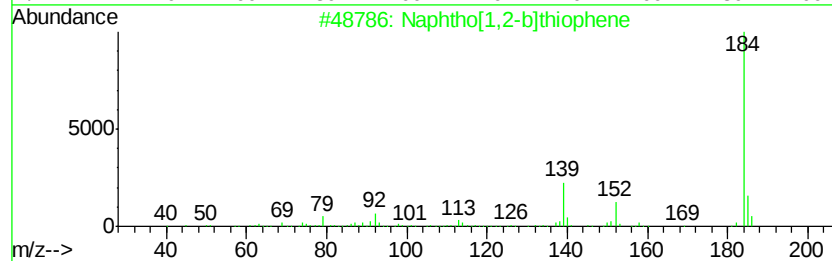
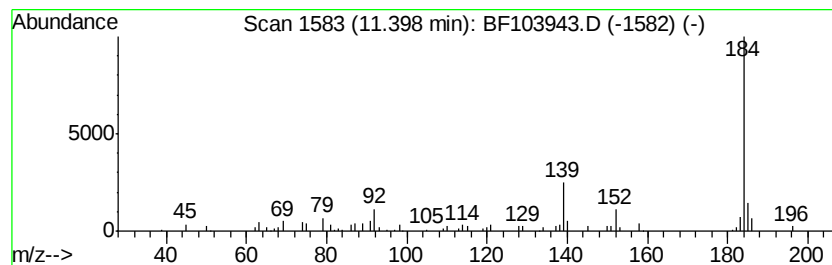
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphtho[1,2-b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	2.06 ng	108806	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3		Dibenzothiophene	184	C12H8S	000132-65-0	95
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



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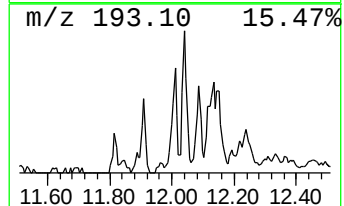
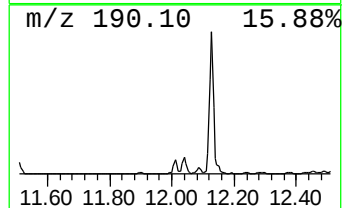
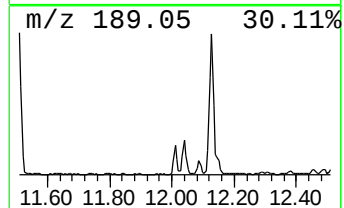
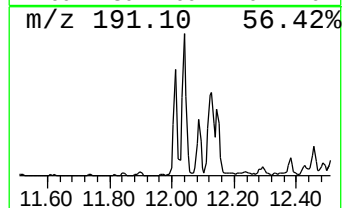
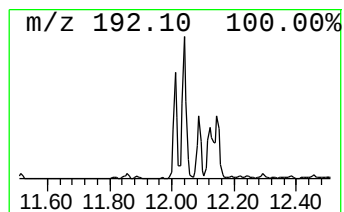
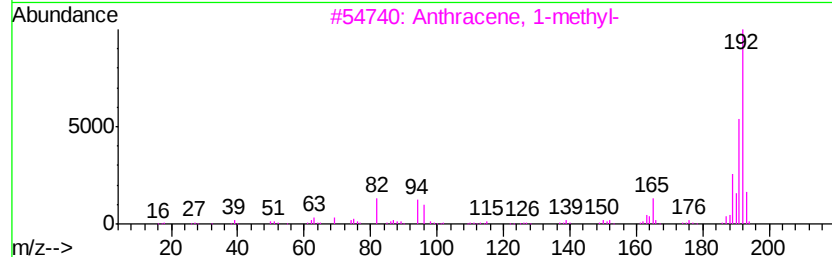
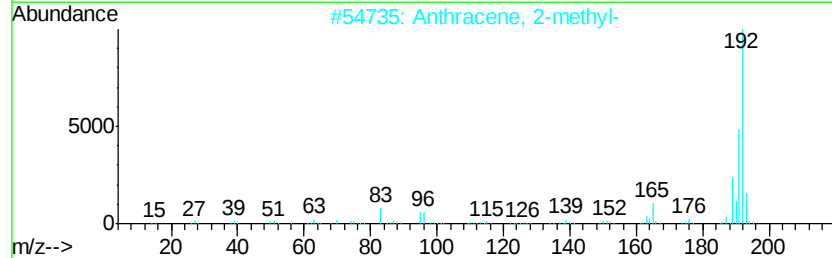
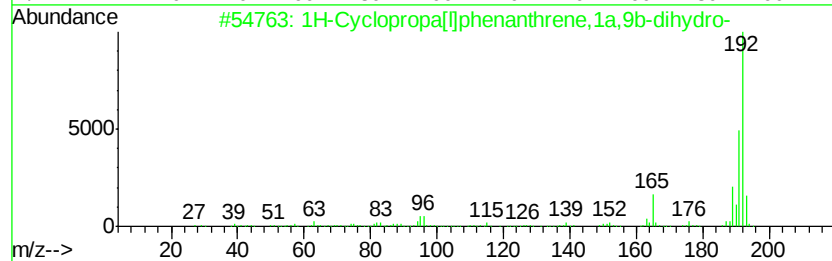
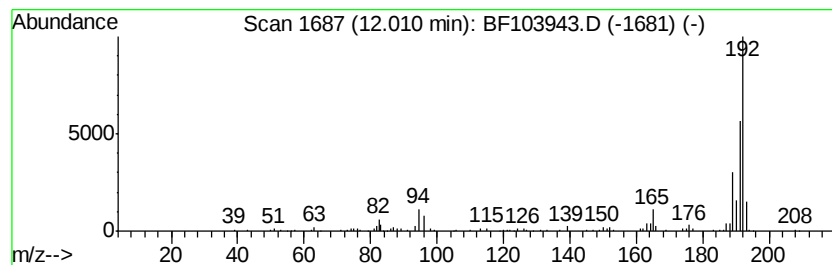
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	2.74 ng	145161	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



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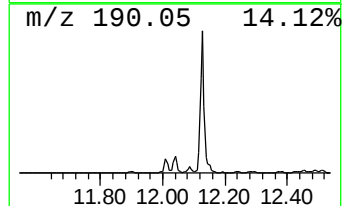
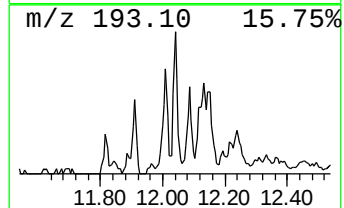
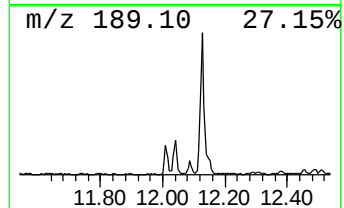
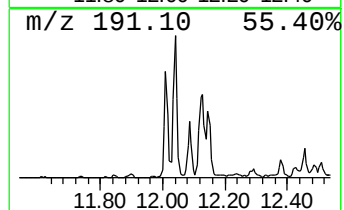
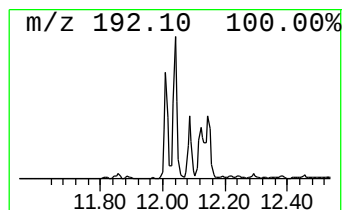
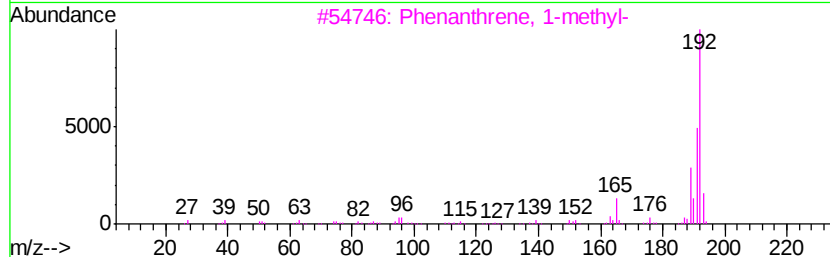
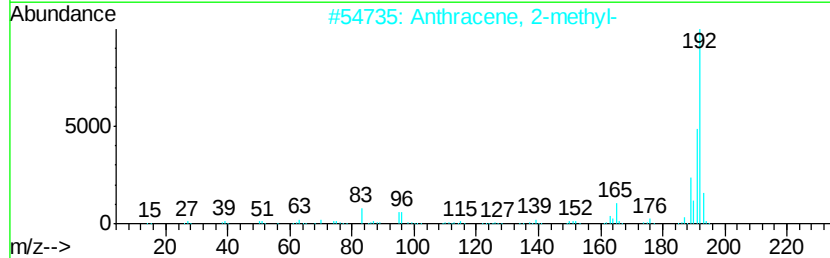
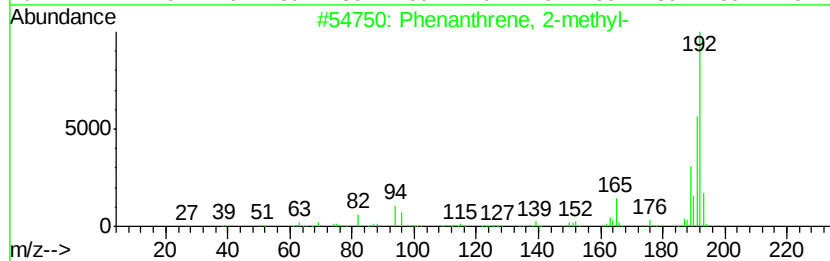
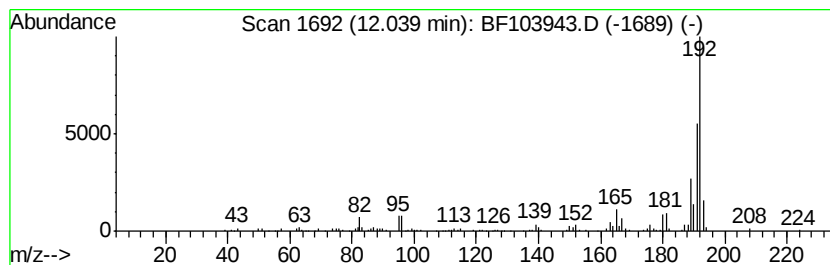
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	4.34 ng	229778	Phenanthrene-d10	11.51

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
Data File : BF103943.D
Acq On : 26 Mar 2018 23:25
Operator : JU/SJ
Sample : J2047-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C1-CARVER-HALL-RCA

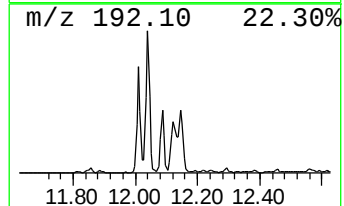
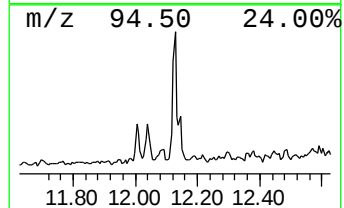
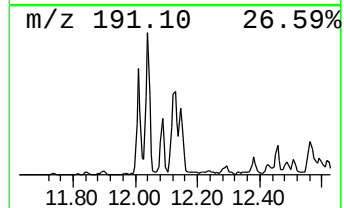
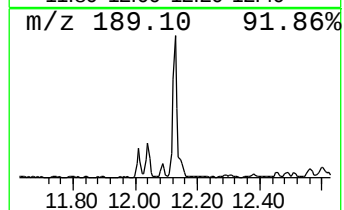
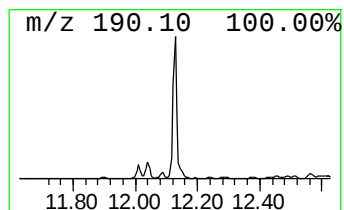
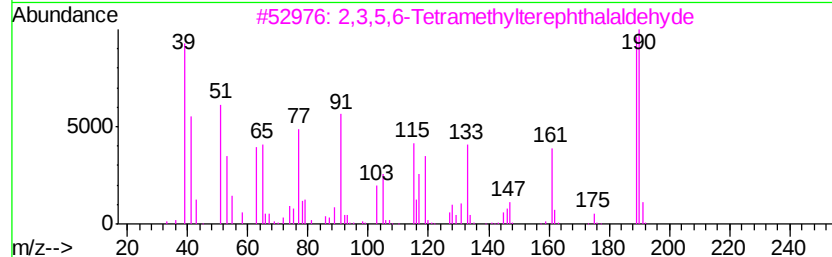
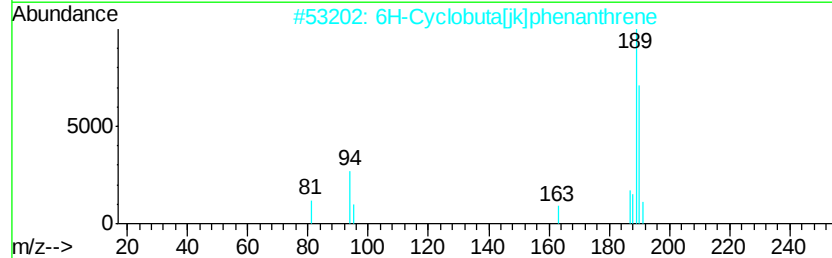
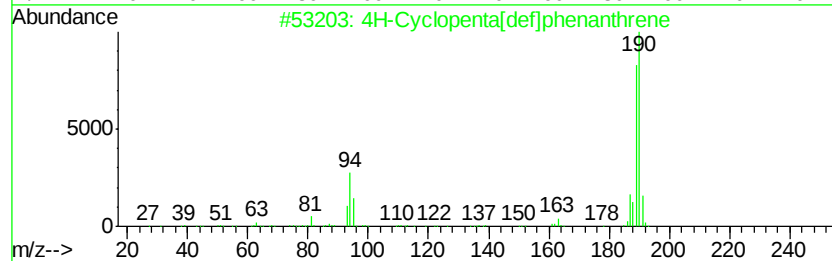
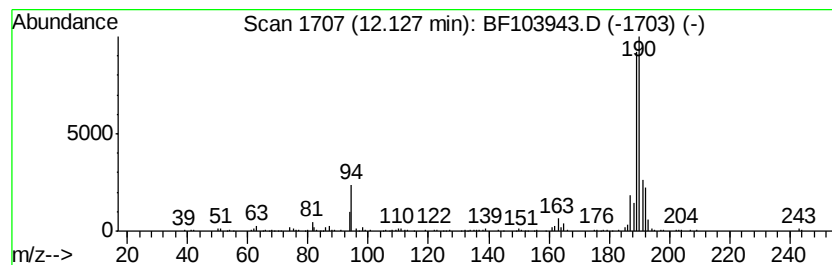
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	5.54 ng	293347	Phenanthrene-d10	11.51

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2			6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	50
3			2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5			Carbonic acid, 2-formyl-4,6-dich...	276	C11H10Cl2O4	1000331-39-3	23



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
Data File : BF103943.D
Acq On : 26 Mar 2018 23:25
Operator : JU/SJ
Sample : J2047-01 2X
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ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId :
C1-CARVER-HALL-RCA

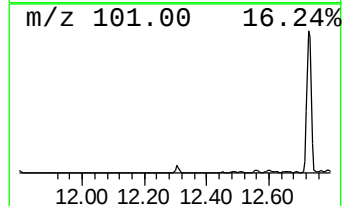
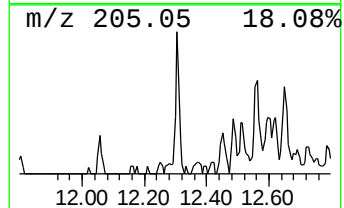
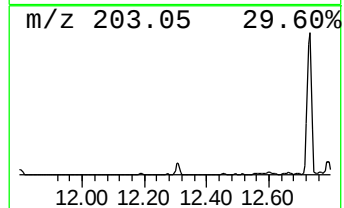
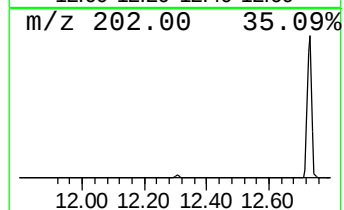
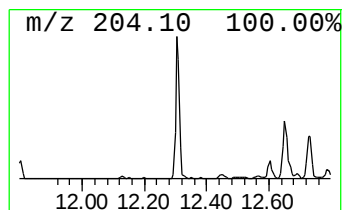
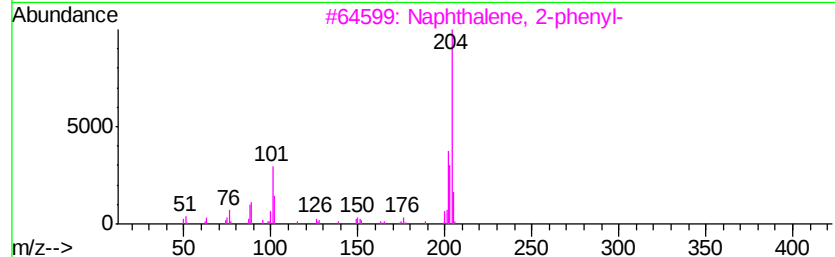
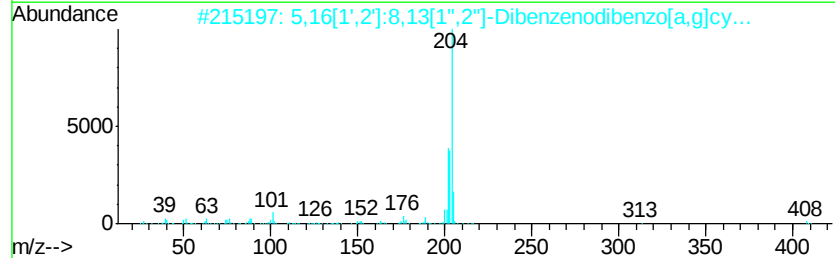
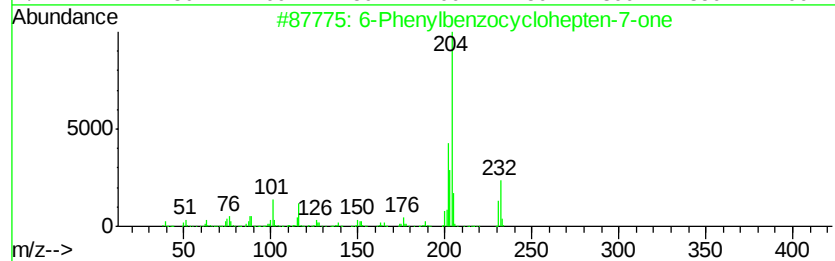
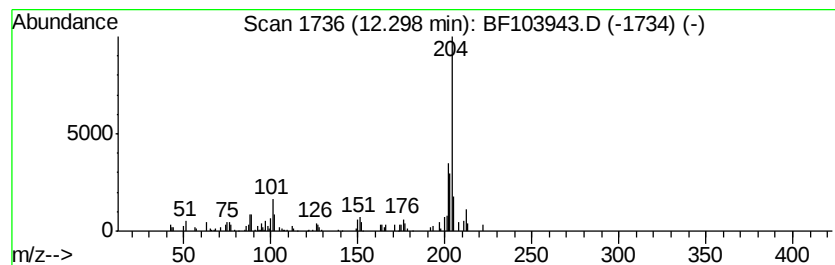
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 6-Phenylbenzocyclohepten-7-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.01 ng	106429	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
2		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
Data File : BF103943.D
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Sample : J2047-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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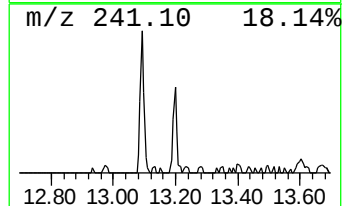
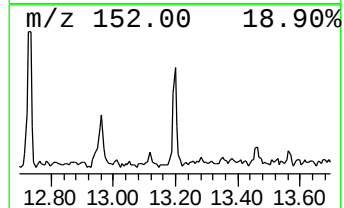
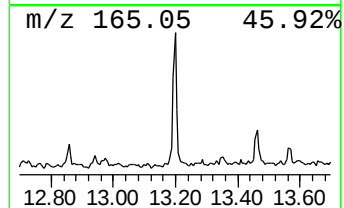
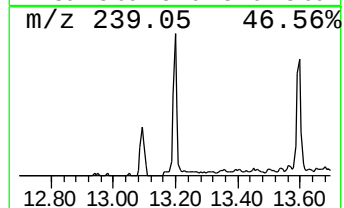
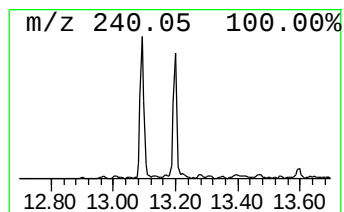
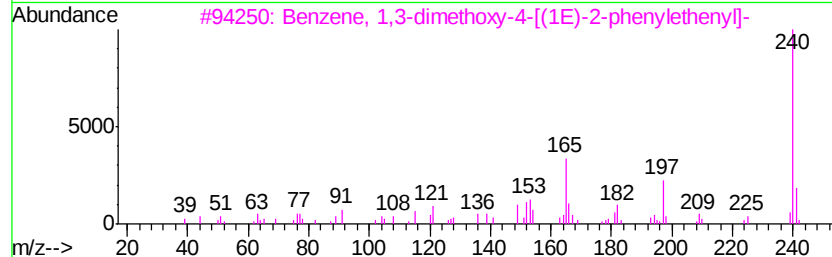
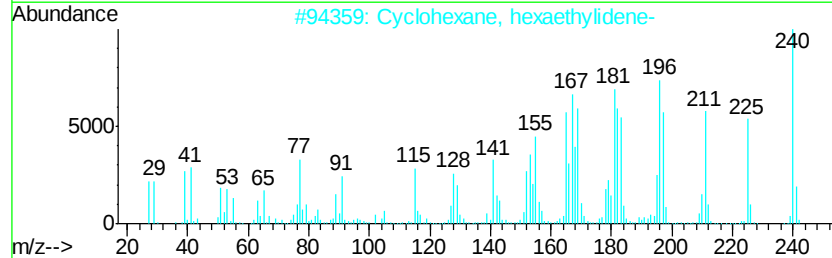
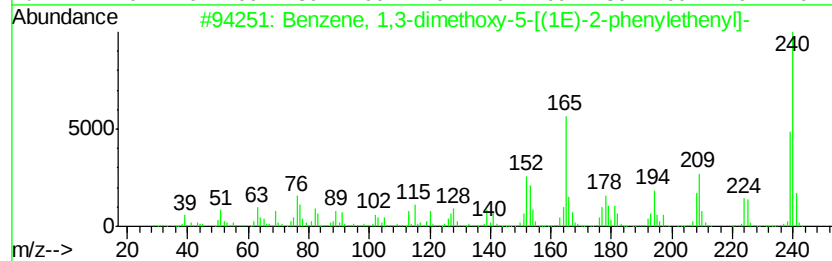
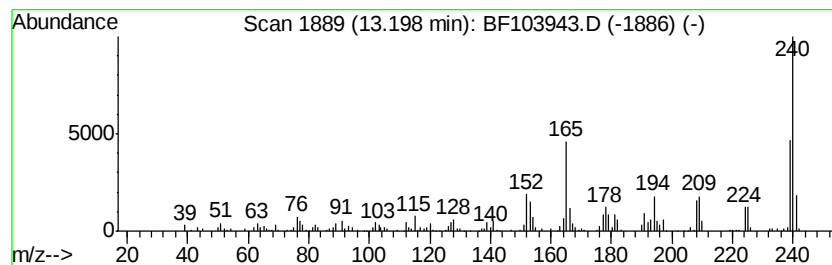
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzene, 1,3-dimethoxy-5-[(... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.86 ng	233271	Chrysene-d12	14.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-dimethoxy-5-[(1E)-2...	240	C16H16O2	021956-56-9	99
2			Cyclohexane, hexaethylidene-	240	C18H24	001482-93-5	60
3			Benzene, 1,3-dimethoxy-4-[(1E)-2...	240	C16H16O2	1000368-46-0	58
4			[1,1'-Biphenyl]-4,4'-diamine, 3,...	240	C16H20N2	054827-17-7	55
5			4-[2-(4-Hydroxy-phenyl)-vinyl]-b...	240	C15H12O3	152027-61-7	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032618\
Data File : BF103943.D
Acq On : 26 Mar 2018 23:25
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Sample : J2047-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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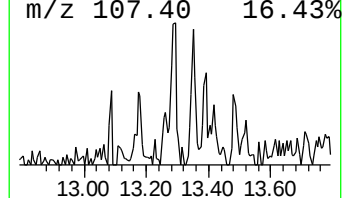
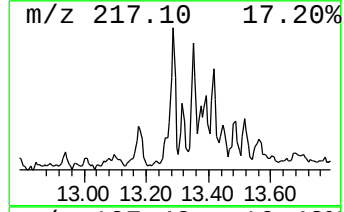
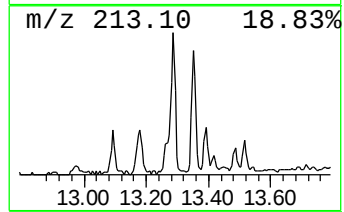
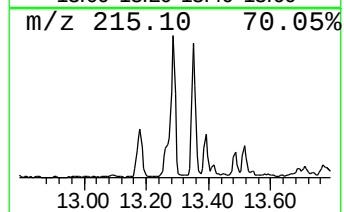
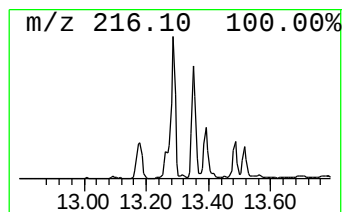
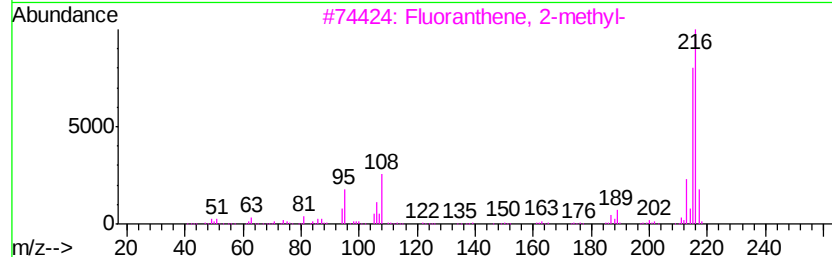
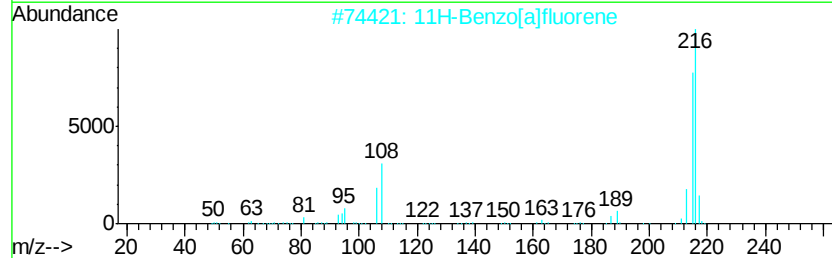
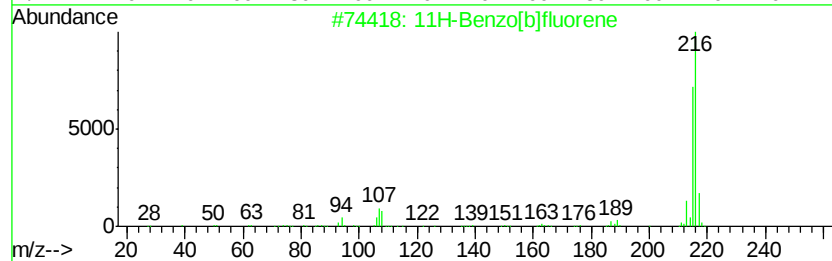
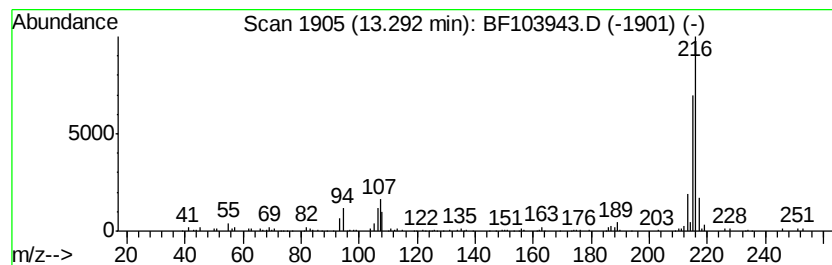
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	2.34 ng	191333	Chrysene-d12	14.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
Data File : BF103943.D
Acq On : 26 Mar 2018 23:25
Operator : JU/SJ
Sample : J2047-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C1-CARVER-HALL-RCA

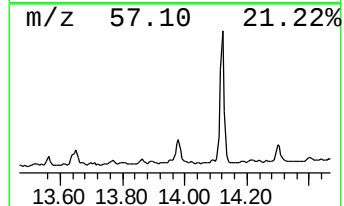
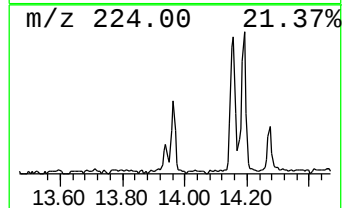
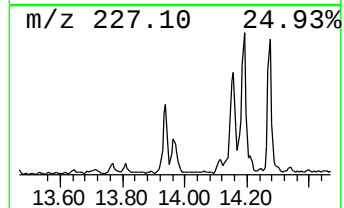
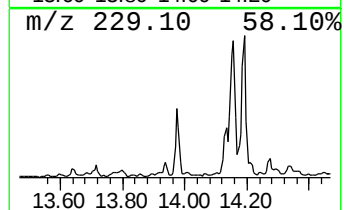
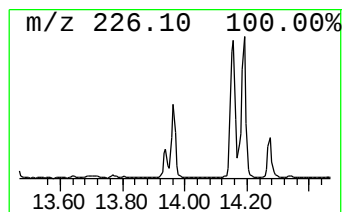
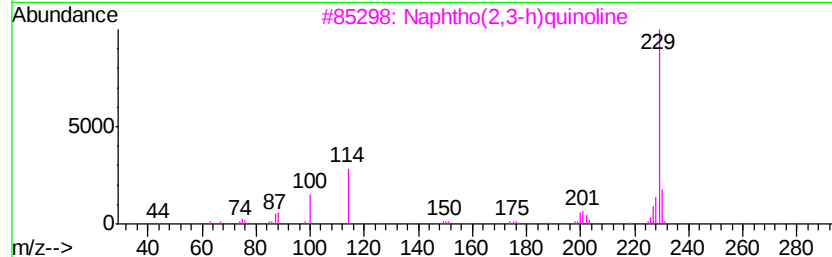
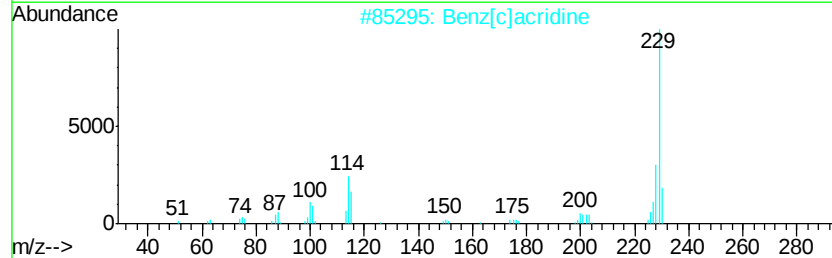
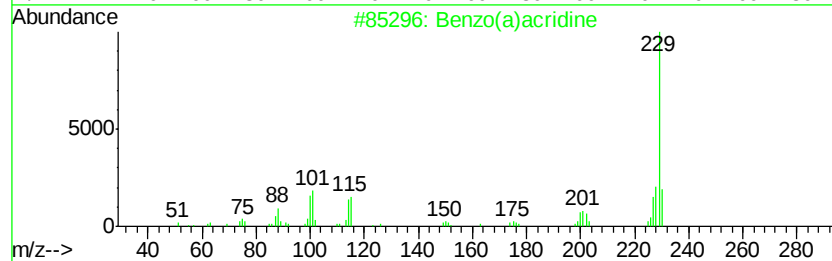
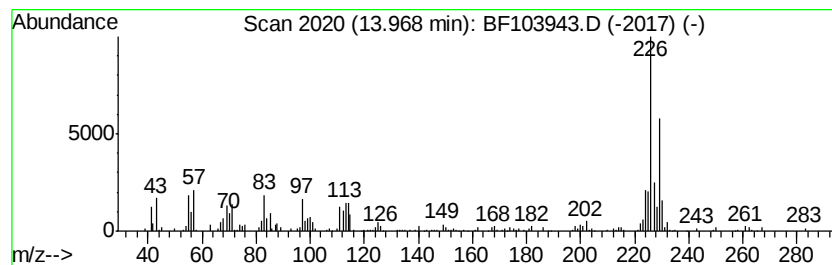
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo(a)acridine Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	3.52 ng	287499	Chrysene-d12	14.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo(a)acridine	229	C17H11N	000225-11-6	60
2			Benz[c]acridine	229	C17H11N	000225-51-4	55
3			Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	43
4			Benzimidazole-5-amine, 1-methyl-...	229	C12H11N3S	021444-73-5	43
5			Malononitrile, 2-indeno[1,2-b]py...	229	C15H7N3	1000316-60-9	41



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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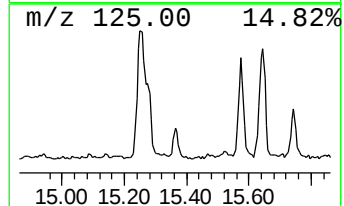
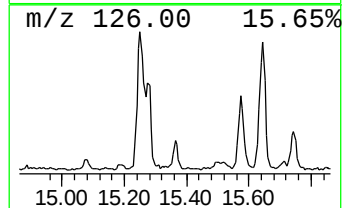
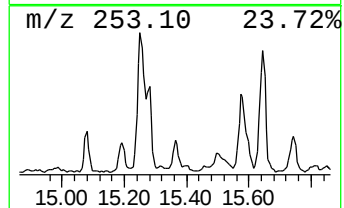
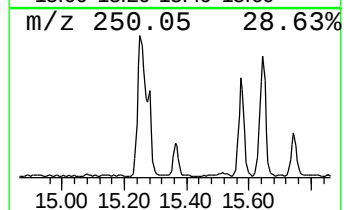
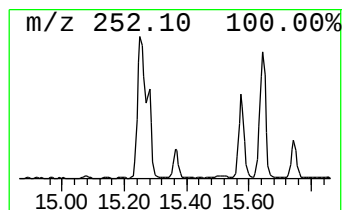
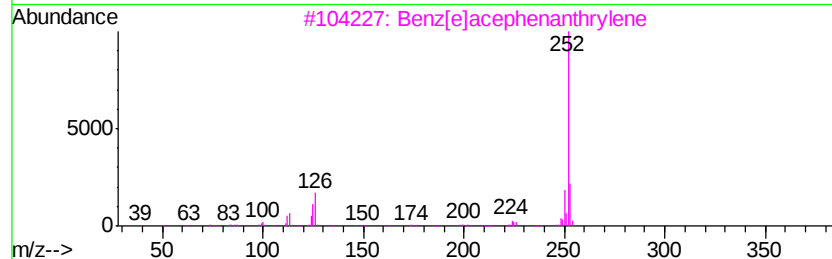
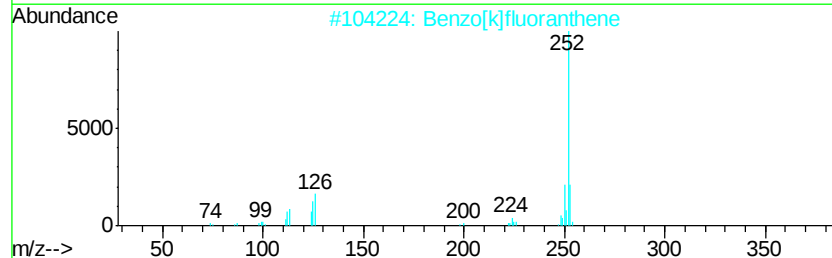
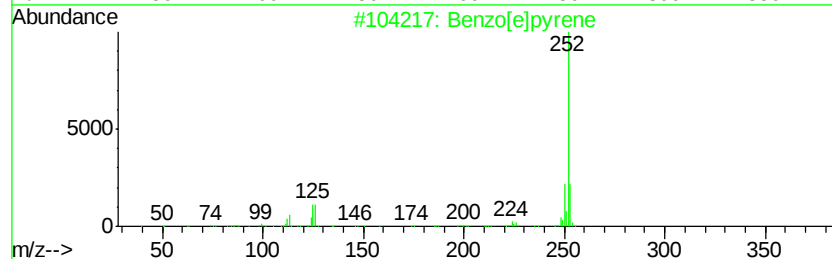
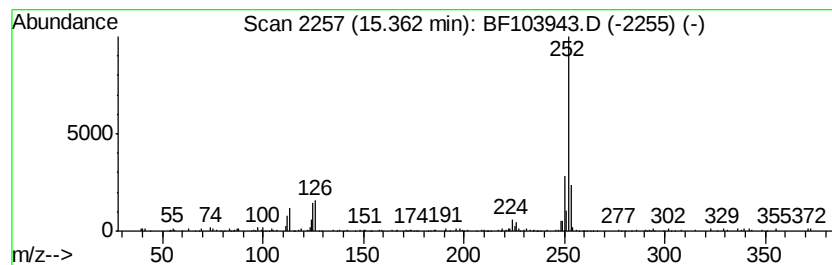
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	2.10 ng	81347	Perylene-d12	15.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4		Perylene	252	C20H12	000198-55-0	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	87



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 Operator : JU/SJ
 Sample : J2047-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C1-CARVER-HALL-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
3-Penten-2-one, 4...	4.59	5.0 ng		203554	1	6.97	808986	20.0
2-Pentanone, 4-hy...	5.20	21.9 ng		884169	1	6.97	808986	20.0
Ethanol, 2-butoxy-	5.92	7.3 ng		296285	1	6.97	808986	20.0
unknown6.74	6.74	7.8 ng		316229	1	6.97	808986	20.0
Ethanol, 2-(2-eth...	6.79	6.0 ng		244331	1	6.97	808986	20.0
Ethanol, 2-(2-but...	8.15	5.2 ng		285882	2	8.26	1099340	20.0
Pentadecane	10.90	2.7 ng		143337	4	11.51	1058260	20.0
Naphtho[1,2-b]thi...	11.40	2.1 ng		108806	4	11.51	1058260	20.0
1H-Cyclopropa[l]p...	12.01	2.7 ng		145161	4	11.51	1058260	20.0
Phenanthrene, 2-m...	12.04	4.3 ng		229778	4	11.51	1058260	20.0
4H-Cyclopenta[def...	12.13	5.5 ng		293347	4	11.51	1058260	20.0
6-Phenylbenzocycl...	12.30	2.0 ng		106429	4	11.51	1058260	20.0
Benzene, 1,3-dime...	13.20	2.9 ng		233271	5	14.16	1633750	20.0
11H-Benzo[b]fluorene	13.29	2.3 ng		191333	5	14.16	1633750	20.0
Benzo(a)acridine	13.97	3.5 ng		287499	5	14.16	1633750	20.0
Benzo[e]pyrene	15.36	2.1 ng		81347	6	15.72	774119	20.0