

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011918\
 Data File : BF102230.D
 Acq On : 19 Jan 2018 21:31
 Operator : SJ/JU
 Sample : J1018-06 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011818-A

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-BF010918.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	3.052	162	164	179	rBV	13243	35070	2.04%	0.119%
2	4.898	474	478	485	rVB	100379	109645	6.39%	0.372%
3	5.322	545	550	553	rBV	1548837	1449218	84.42%	4.919%
4	6.351	721	725	730	rBV	1705204	1516215	88.32%	5.147%
5	6.487	743	748	751	rBV	1672976	1548130	90.18%	5.255%
6	6.551	754	759	764	rBV2	22261	27729	1.62%	0.094%
7	6.716	783	787	791	rBV	1161515	904304	52.68%	3.070%
8	6.869	810	813	817	rBV	1353596	1173769	68.38%	3.984%
9	7.281	879	883	886	rBV	1171055	917224	53.43%	3.114%
10	7.998	999	1005	1007	rBV	1442093	1259681	73.38%	4.276%
11	8.022	1007	1009	1012	rVV	519923	365462	21.29%	1.241%
12	8.710	1123	1126	1130	rVB	293172	229050	13.34%	0.778%
13	8.810	1139	1143	1147	rVB	250017	198490	11.56%	0.674%
14	9.075	1184	1188	1191	rBV	2212203	1716649	100.00%	5.827%
15	9.157	1198	1202	1203	rBV	45507	38117	2.22%	0.129%
16	9.175	1203	1205	1208	rVB	53063	37662	2.19%	0.128%
17	9.269	1219	1221	1226	rVB	36255	35881	2.09%	0.122%
18	9.339	1226	1233	1237	rBV2	94058	126035	7.34%	0.428%
19	9.410	1241	1245	1248	rVV	168285	161685	9.42%	0.549%
20	9.439	1248	1250	1252	rVV	96890	78464	4.57%	0.266%
21	9.469	1252	1255	1258	rVV	298230	253552	14.77%	0.861%
22	9.528	1262	1265	1270	rBV2	82138	82691	4.82%	0.281%
23	9.610	1276	1279	1285	rVB	164328	139163	8.11%	0.472%
24	9.686	1289	1292	1294	rVV	85935	67634	3.94%	0.230%
25	9.751	1296	1303	1306	rBV	1485766	1359640	79.20%	4.615%
26	9.786	1306	1309	1312	rVB	180365	157612	9.18%	0.535%
27	9.857	1317	1321	1325	rBV3	36968	42835	2.50%	0.145%
28	9.910	1325	1330	1334	rBV7	25250	46551	2.71%	0.158%
29	9.957	1334	1338	1342	rVV	199541	199220	11.61%	0.676%
30	9.992	1342	1344	1351	rVV2	59717	66204	3.86%	0.225%
31	10.069	1354	1357	1360	rVV2	52077	56687	3.30%	0.192%
32	10.098	1360	1362	1368	rVB	38968	37600	2.19%	0.128%
33	10.157	1368	1372	1374	rBV2	68654	90779	5.29%	0.308%
34	10.181	1374	1376	1379	rVV2	118754	112502	6.55%	0.382%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.251	1383	1388	1389	rVV4	26179	37201	2.17%	0.126%
36	10.298	1393	1396	1402	rVB	364137	315346	18.37%	1.070%
37	10.404	1412	1414	1417	rVB2	39199	31414	1.83%	0.107%
38	10.457	1420	1423	1426	rVB	63549	60798	3.54%	0.206%
39	10.539	1431	1437	1441	rBV	1205534	1061112	61.81%	3.602%
40	10.657	1454	1457	1465	rVB3	117431	144971	8.44%	0.492%
41	10.845	1484	1489	1492	rBV2	89658	109360	6.37%	0.371%
42	10.875	1492	1494	1497	rVV	57344	47636	2.77%	0.162%
43	10.928	1500	1503	1506	rVB	43977	39408	2.30%	0.134%
44	10.975	1506	1511	1513	rBV4	31514	37665	2.19%	0.128%
45	11.039	1520	1522	1526	rVB2	36309	37003	2.16%	0.126%
46	11.080	1526	1529	1531	rVV3	28880	36150	2.11%	0.123%
47	11.104	1531	1533	1535	rVV	75659	65626	3.82%	0.223%
48	11.133	1535	1538	1543	rVB	150027	135992	7.92%	0.462%
49	11.239	1552	1556	1558	rBV	1340365	1335538	77.80%	4.533%
50	11.263	1558	1560	1563	rVV	1454858	1109477	64.63%	3.766%
51	11.310	1565	1568	1571	rVB	341312	265078	15.44%	0.900%
52	11.345	1571	1574	1577	rBV3	46714	46081	2.68%	0.156%
53	11.469	1592	1595	1597	rVB	108443	83770	4.88%	0.284%
54	11.533	1603	1606	1608	rBV	60579	51501	3.00%	0.175%
55	11.563	1608	1611	1616	rVB2	58588	62513	3.64%	0.212%
56	11.633	1619	1623	1630	rVB2	196798	216342	12.60%	0.734%
57	11.733	1637	1640	1643	rBV	211582	194407	11.32%	0.660%
58	11.763	1643	1645	1649	rVB	275434	219064	12.76%	0.744%
59	11.810	1650	1653	1656	rBV2	89590	80125	4.67%	0.272%
60	11.845	1656	1659	1662	rBV	299629	315854	18.40%	1.072%
61	11.869	1662	1663	1667	rVB	158275	102712	5.98%	0.349%
62	11.939	1673	1675	1677	rVB2	33970	27223	1.59%	0.092%
63	12.033	1687	1691	1693	rVV	102727	97917	5.70%	0.332%
64	12.057	1693	1695	1698	rVB2	49761	43251	2.52%	0.147%
65	12.180	1714	1716	1719	rVV	42419	36993	2.15%	0.126%
66	12.210	1719	1721	1723	rVV	58719	51199	2.98%	0.174%
67	12.233	1723	1725	1729	rVB	48416	42155	2.46%	0.143%
68	12.286	1730	1734	1736	rBV	131393	137146	7.99%	0.466%
69	12.316	1736	1739	1741	rVV	783333	673654	39.24%	2.287%
70	12.339	1741	1743	1746	rVV	460800	391464	22.80%	1.329%
71	12.369	1746	1748	1753	rVV2	56829	79385	4.62%	0.269%

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72	12.422	1755	1757	1758	rVV	77905	55434	3.23%	0.188%
73	12.445	1758	1761	1765	rVB	942900	793710	46.24%	2.694%
74	12.492	1766	1769	1770	rBV2	41016	35397	2.06%	0.120%
75	12.539	1774	1777	1780	rVB	62307	49891	2.91%	0.169%
76	12.598	1780	1787	1790	rBV5	46821	78932	4.60%	0.268%
77	12.674	1794	1800	1803	rBV	816459	841158	49.00%	2.855%
78	12.698	1803	1804	1806	rVV2	70386	37801	2.20%	0.128%
79	12.733	1806	1810	1813	rVB3	43409	57033	3.32%	0.194%
80	12.792	1817	1820	1821	rBV3	42453	37960	2.21%	0.129%
81	12.822	1821	1825	1831	rVB	1467954	1319769	76.88%	4.480%
82	12.898	1834	1838	1840	rBV3	52955	75578	4.40%	0.257%
83	12.980	1849	1852	1853	rBV2	52862	57712	3.36%	0.196%
84	13.004	1853	1856	1858	rVB	135865	135555	7.90%	0.460%
85	13.069	1864	1867	1870	rVB	144624	123460	7.19%	0.419%
86	13.104	1870	1873	1877	rBV2	93142	103361	6.02%	0.351%
87	13.198	1886	1889	1892	rVB	56236	48764	2.84%	0.166%
88	13.227	1892	1894	1897	rVV	70912	58221	3.39%	0.198%
89	13.257	1897	1899	1903	rVB4	33230	36597	2.13%	0.124%
90	13.621	1958	1961	1963	rBV	41818	43754	2.55%	0.149%
91	13.716	1974	1977	1981	rVB	162835	153882	8.96%	0.522%
92	13.868	1998	2003	2006	rBV2	904607	1095993	63.84%	3.720%
93	13.898	2006	2008	2010	rVB	242841	180567	10.52%	0.613%
94	13.974	2019	2021	2024	rVB2	43199	32762	1.91%	0.111%
95	14.257	2067	2069	2072	rVB	65037	50723	2.95%	0.172%
96	14.380	2088	2090	2092	rBV2	48237	39824	2.32%	0.135%
97	14.886	2173	2176	2179	rBV	192517	259319	15.11%	0.880%
98	15.174	2222	2225	2230	rVB	116196	146087	8.51%	0.496%
99	15.233	2232	2235	2241	rVB	193581	218487	12.73%	0.742%
100	15.292	2241	2245	2249	rBV	635953	828013	48.23%	2.811%

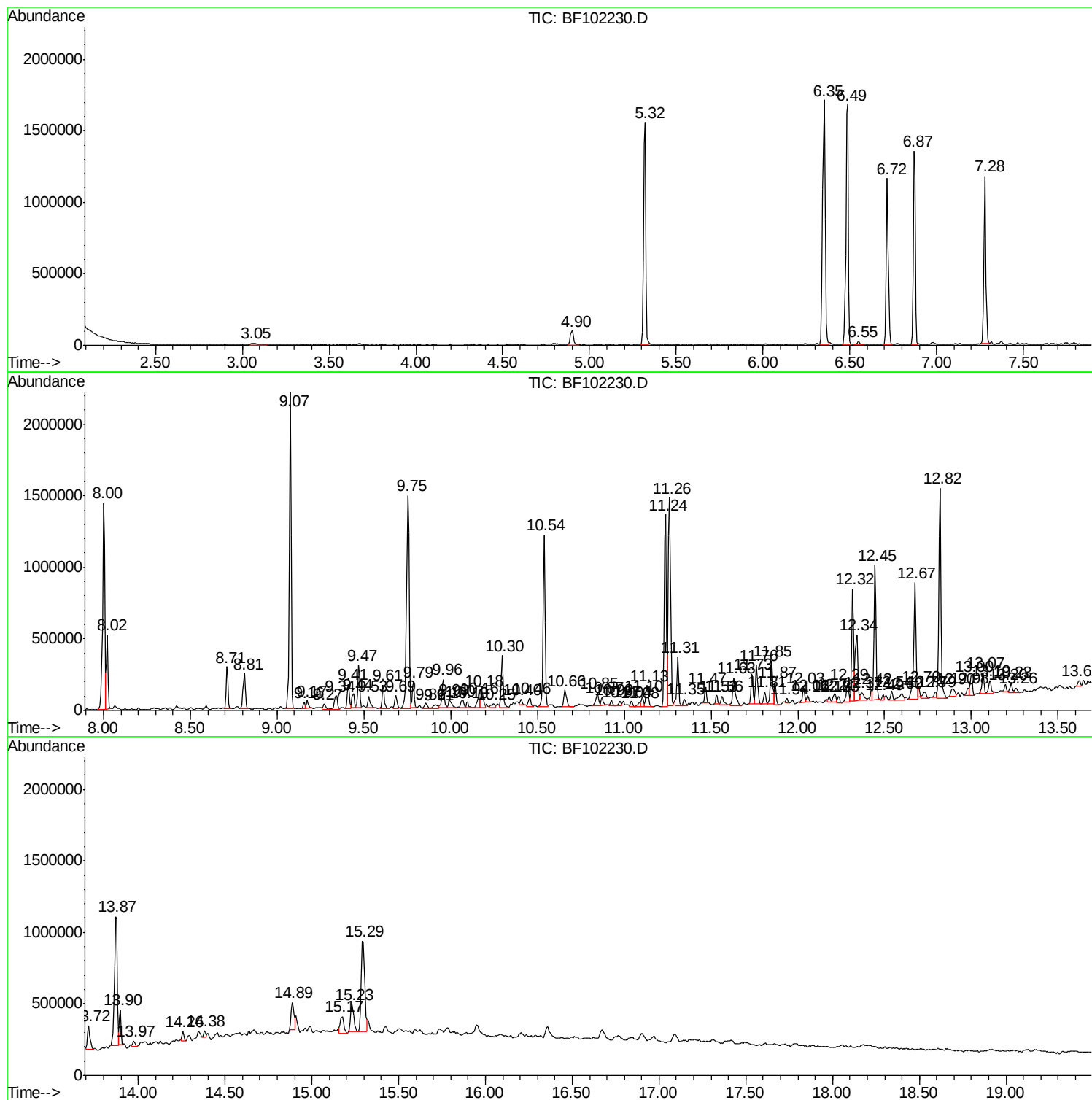
Sum of corrected areas: 29459425

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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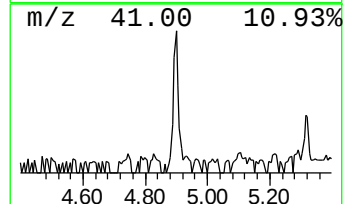
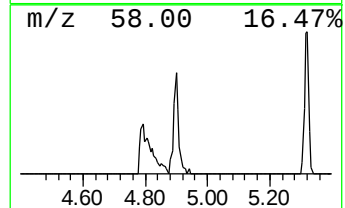
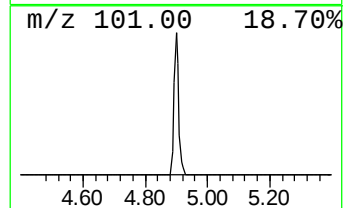
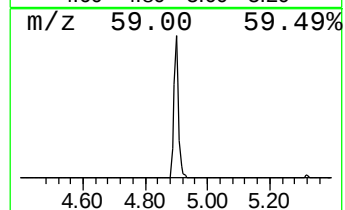
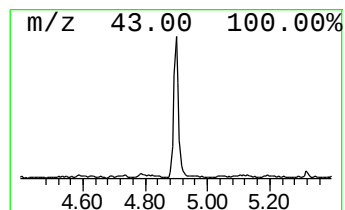
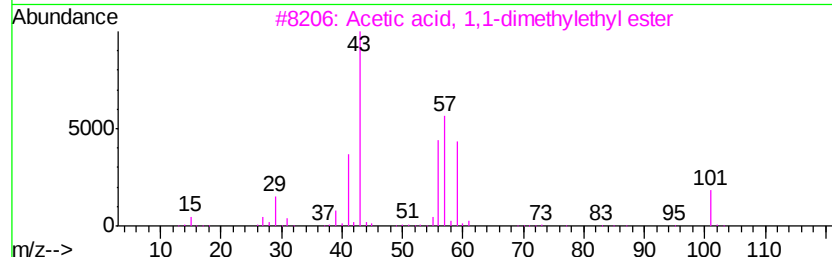
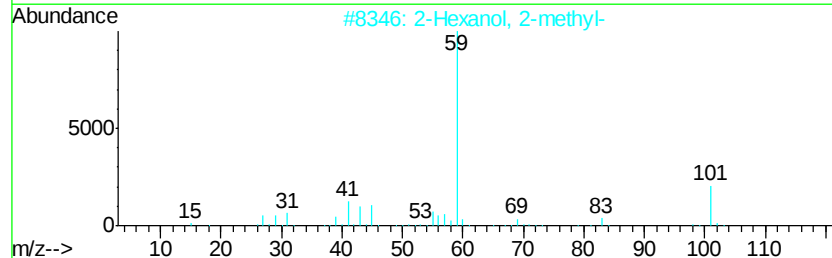
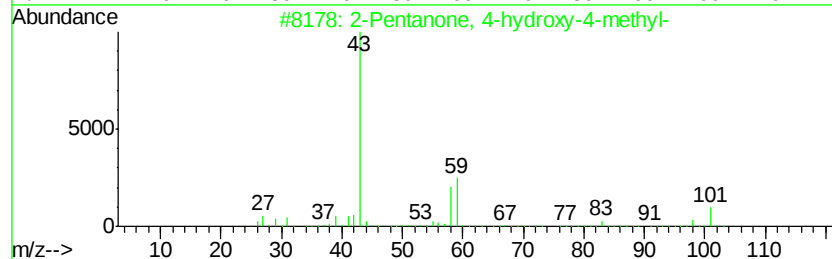
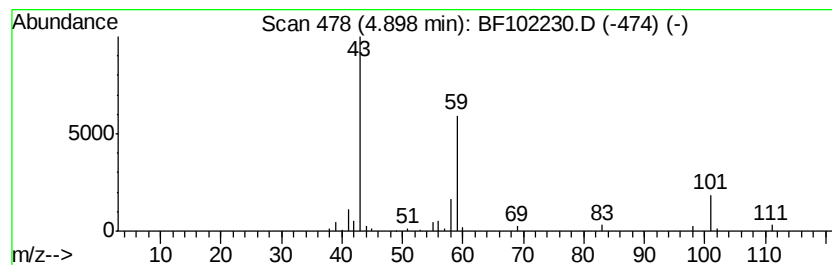
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	2.42 ng	109645	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	40
3		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
4		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	23
5		3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17



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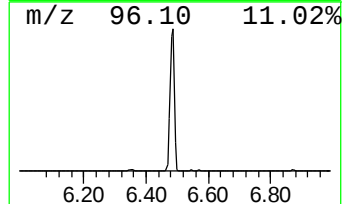
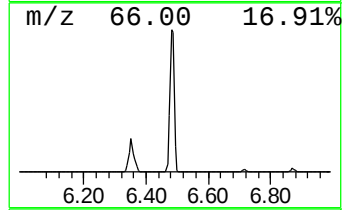
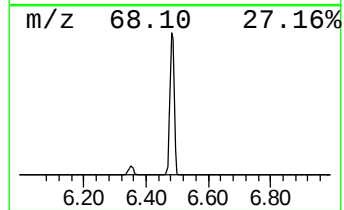
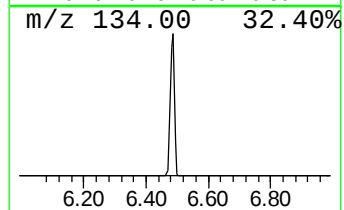
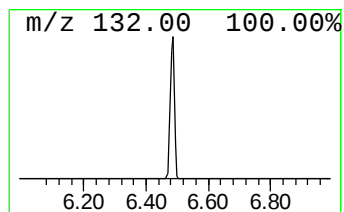
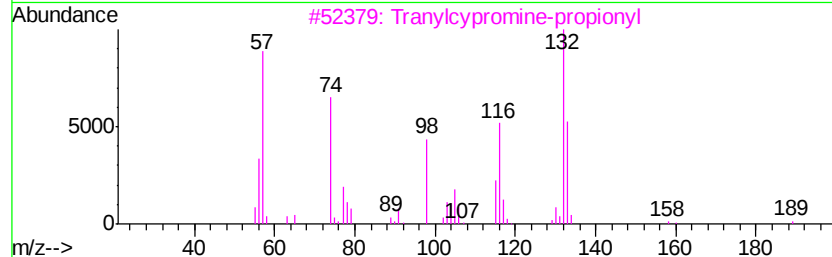
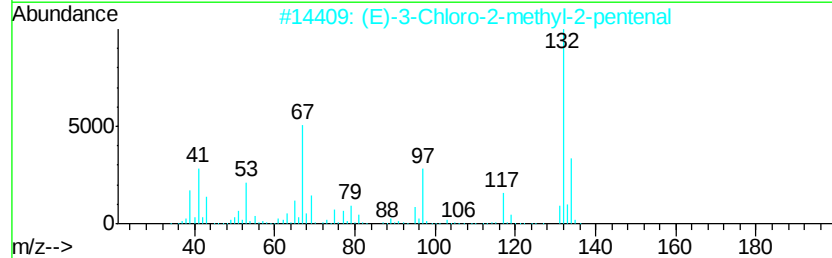
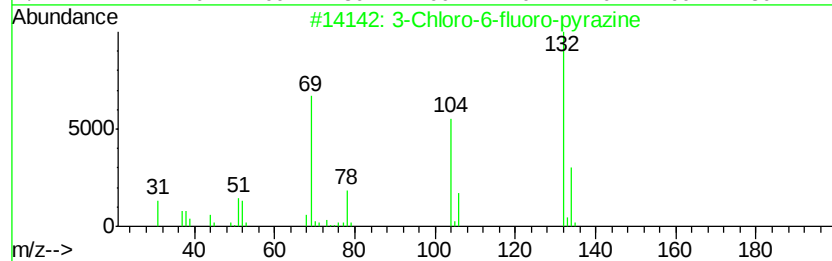
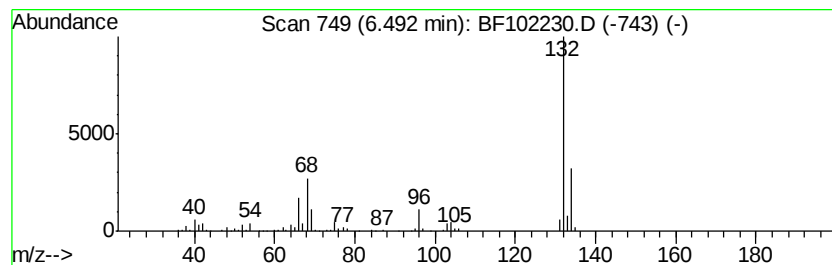
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	34.24 ng	1548130	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	12
4		Imidazole, 4,5-dicvano-1-methyl-	132	C6H4N4	019485-35-9	9
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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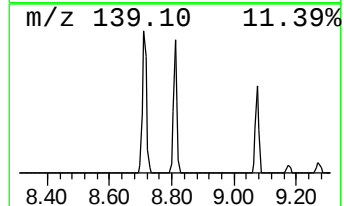
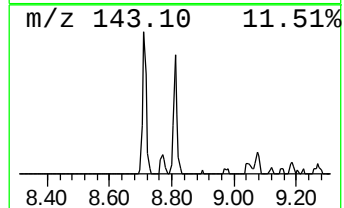
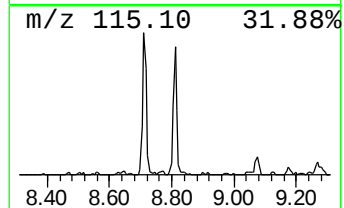
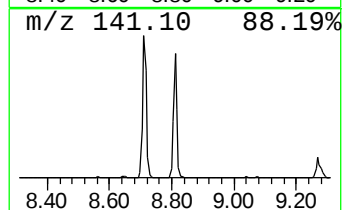
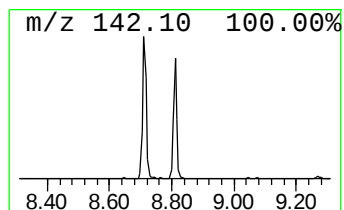
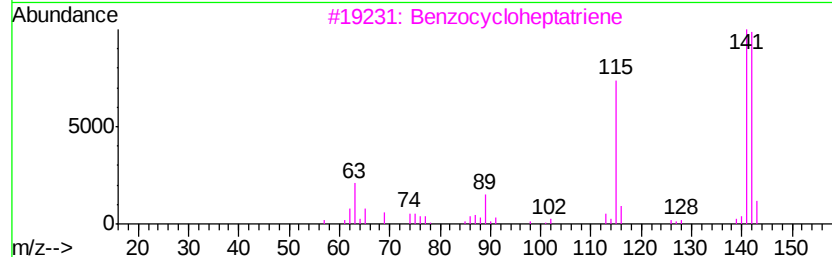
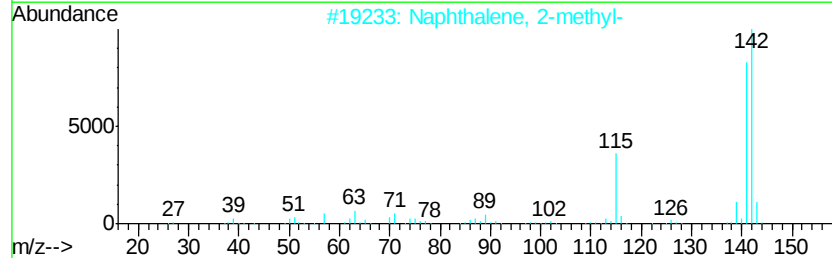
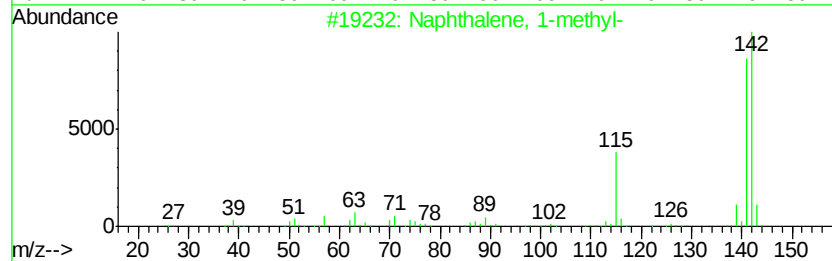
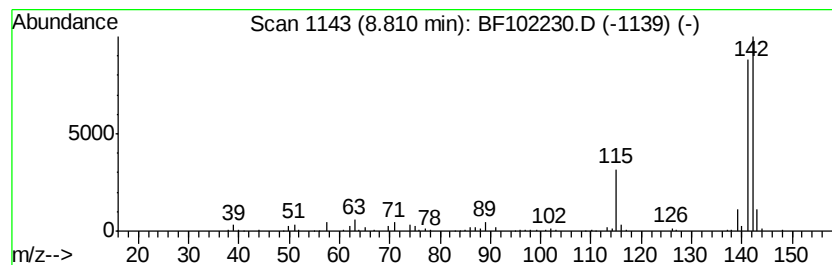
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	3.15 ng	198490	Naphthalene-d8	8.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	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	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102230.D
Acq On : 19 Jan 2018 21:31
Operator : SJ/JU
Sample : J1018-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-011818-A

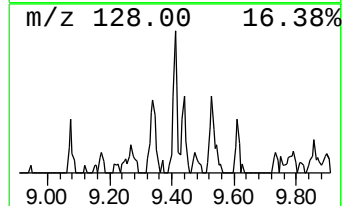
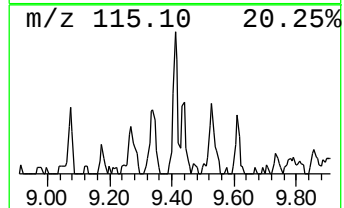
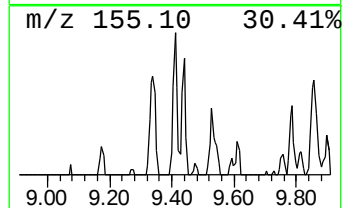
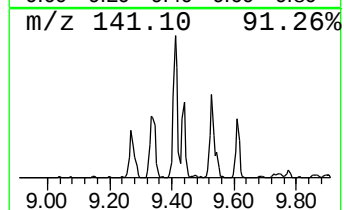
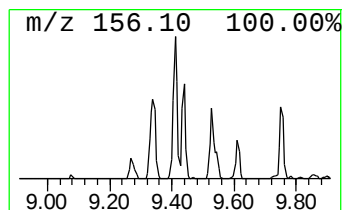
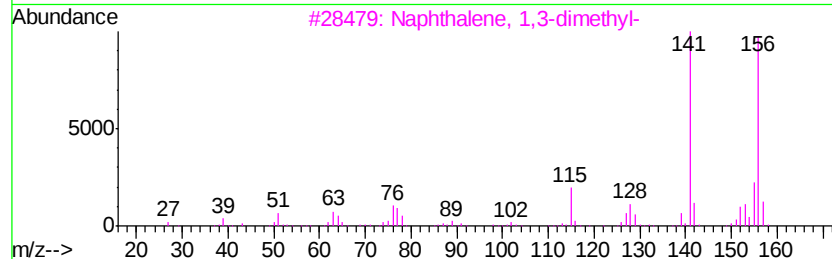
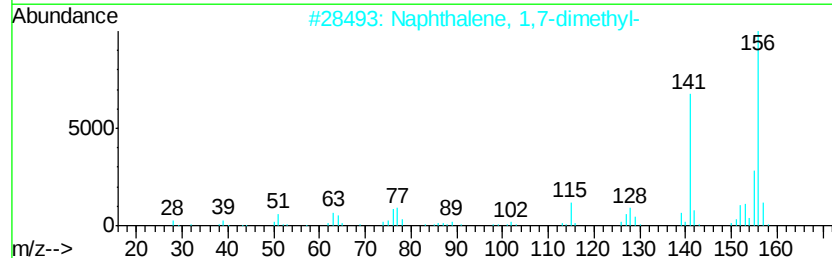
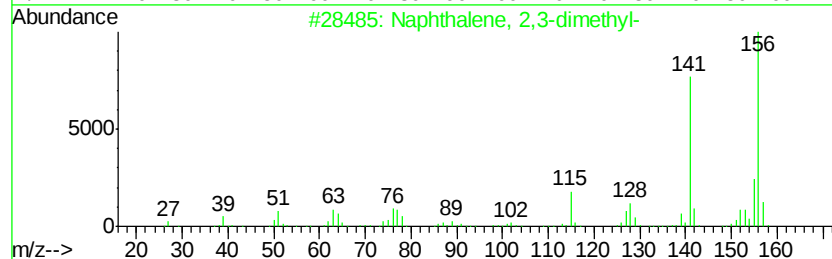
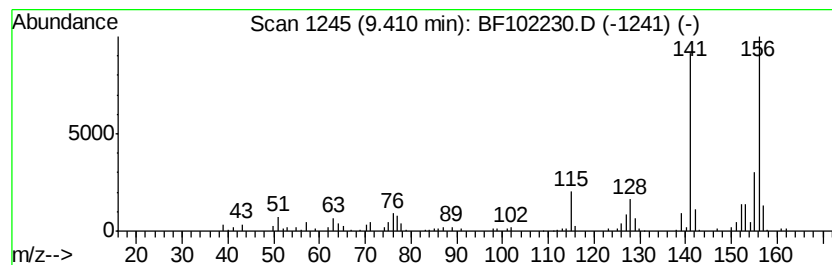
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	2.38 ng	161685	Acenaphthene-d10	9.75

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102230.D
Acq On : 19 Jan 2018 21:31
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId :
OR-02-011818-A

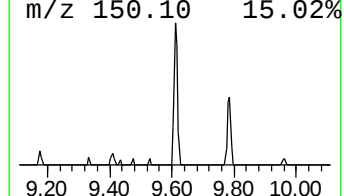
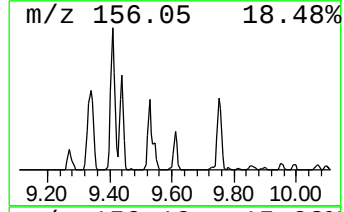
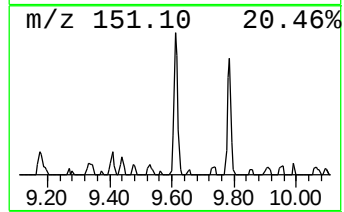
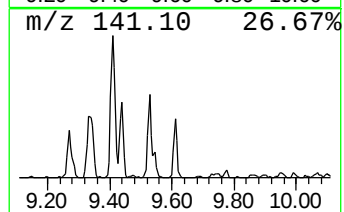
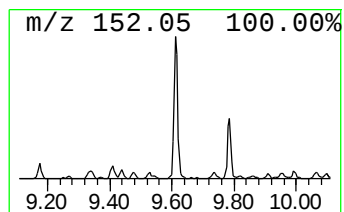
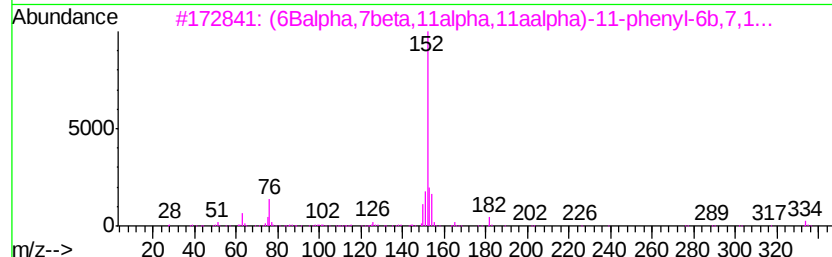
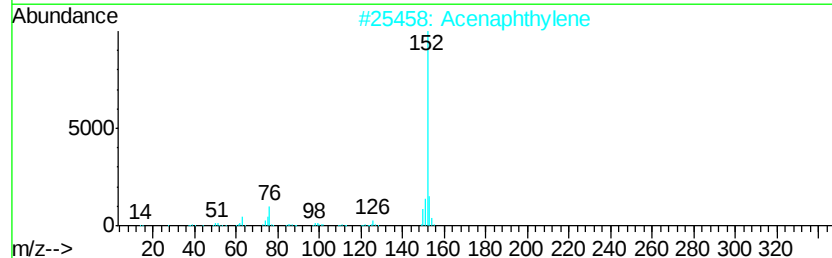
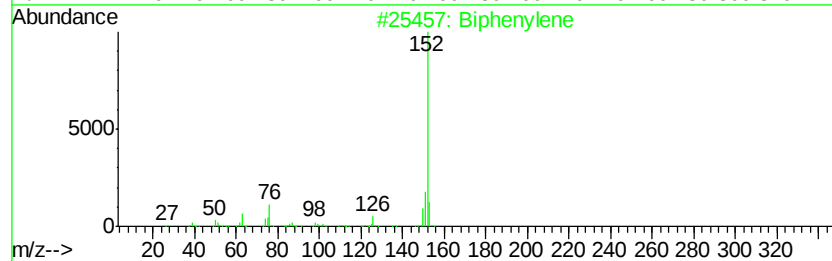
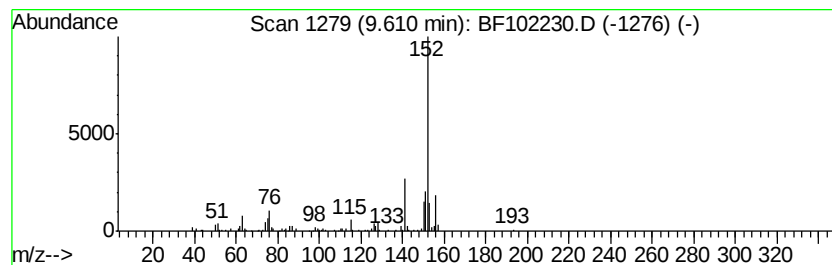
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Biphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	2.05 ng	139163	Acenaphthene-d10	9.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Biphenylene	152	C12H8	000259-79-0	89
2		Acenaphthylene	152	C12H8	000208-96-8	70
3		(6Balpha,7beta,11alpha,11aalpha)...	334	C25H18O	1000241-69-8	53
4		1-acenaphthenol, trifluoroacetat...	266	C14H9F3O2	1000376-45-2	50
5		Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	36



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102230.D
Acq On : 19 Jan 2018 21:31
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Sample : J1018-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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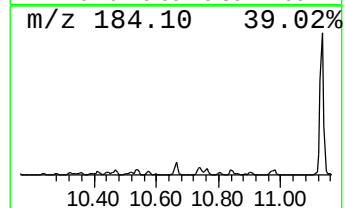
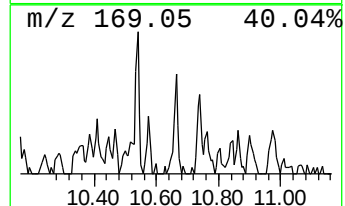
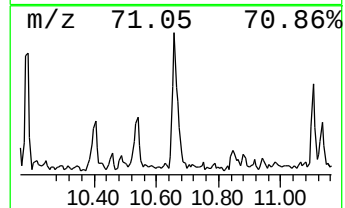
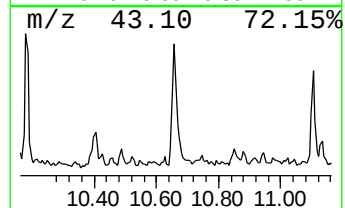
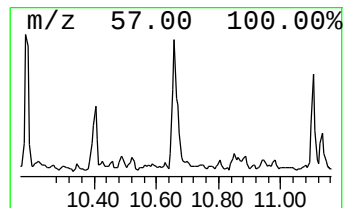
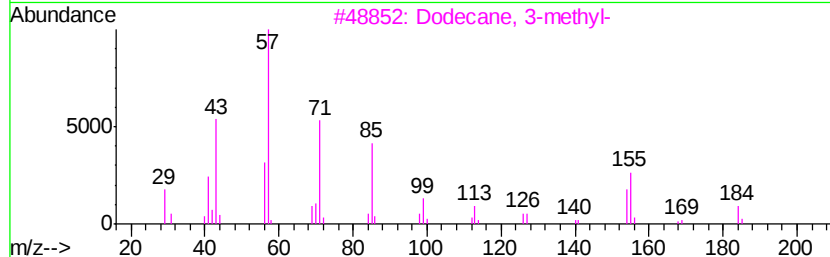
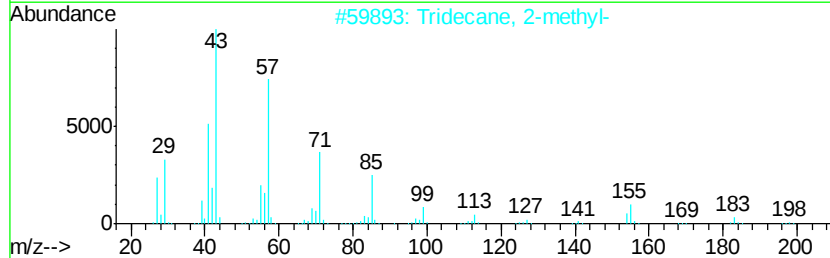
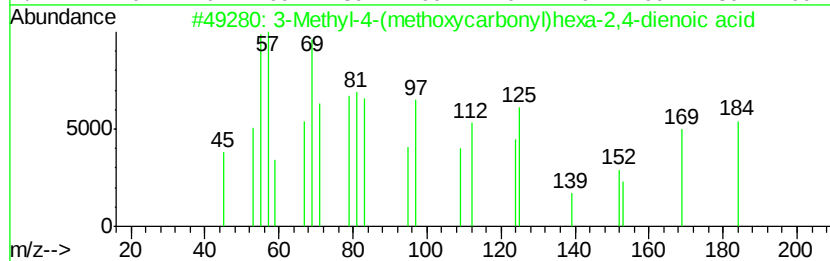
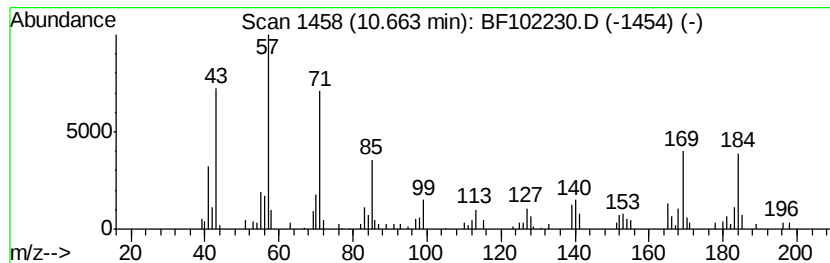
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 3-Methyl-4-(methoxycarbonyl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	2.17 ng	144971	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	87
2		Tridecane, 2-methyl-	198	C14H30	001560-96-9	81
3		Dodecane, 3-methyl-	184	C13H28	017312-57-1	81
4		Tridecane	184	C13H28	000629-50-5	74
5		Eicosane	282	C20H42	000112-95-8	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
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Acq On : 19 Jan 2018 21:31
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Instrument :
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ClientSampleId :
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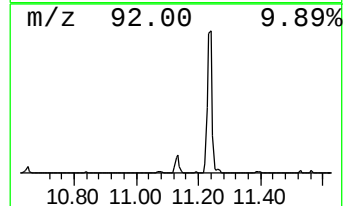
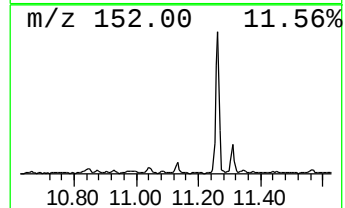
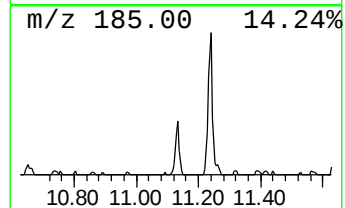
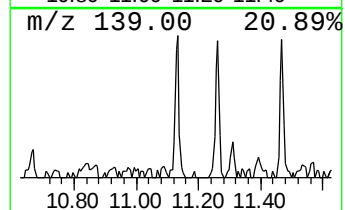
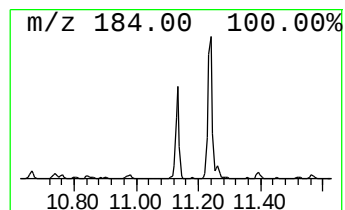
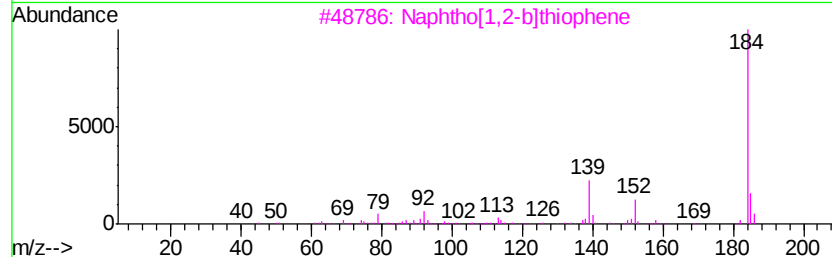
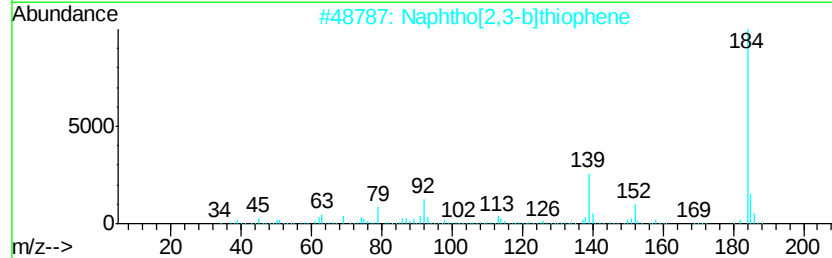
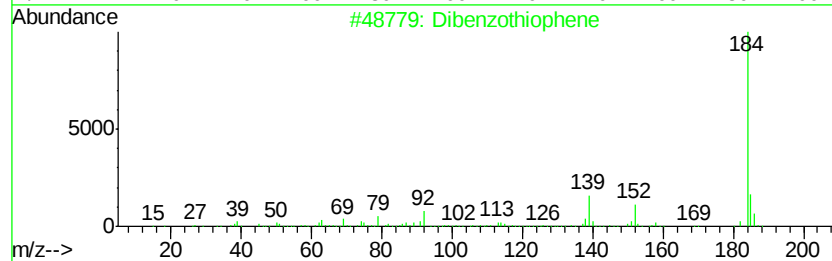
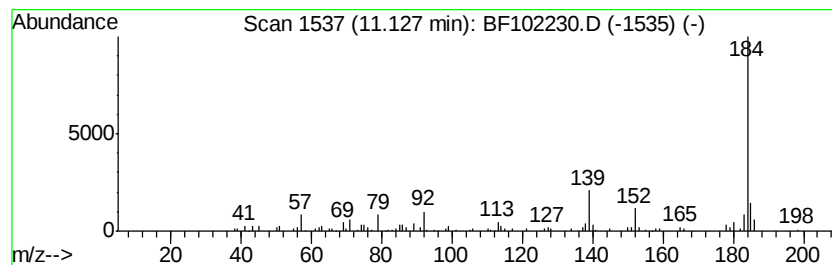
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	2.04 ng	135992	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011918\
Data File : BF102230.D
Acq On : 19 Jan 2018 21:31
Operator : SJ/JU
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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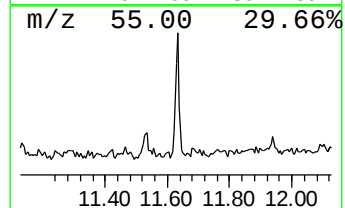
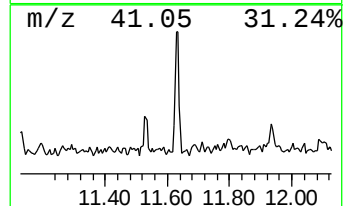
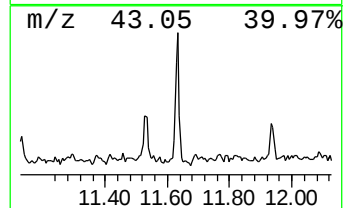
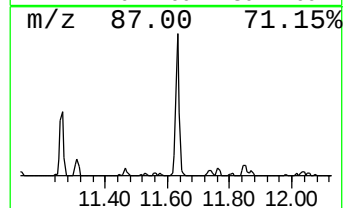
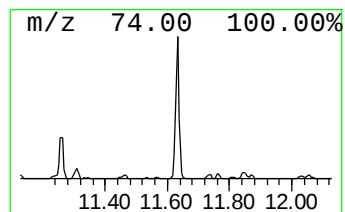
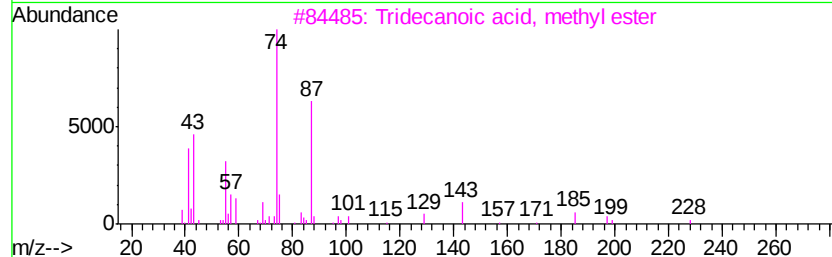
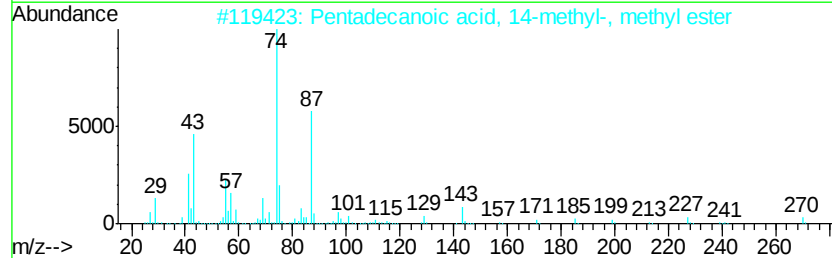
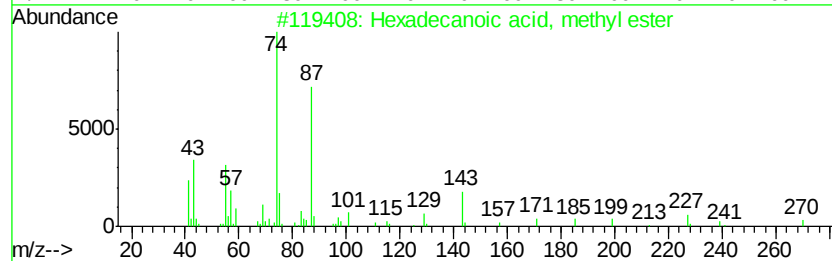
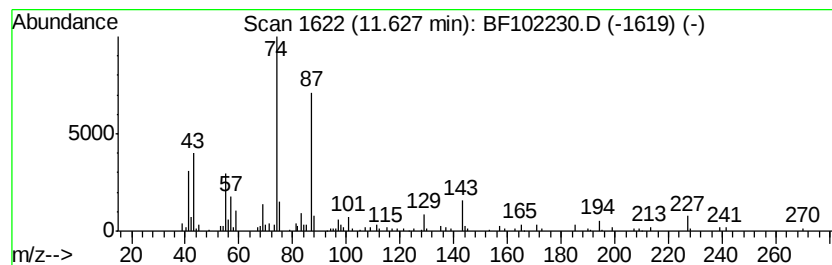
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	3.24 ng	216342	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3		Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	87
4		Methyl tetradecanoate	242	C15H30O2	000124-10-7	81
5		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011918\
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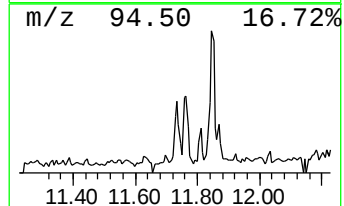
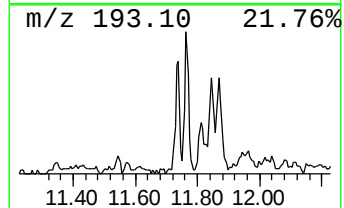
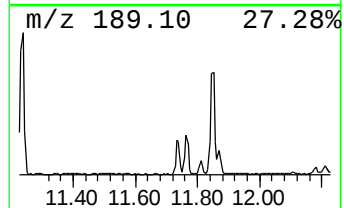
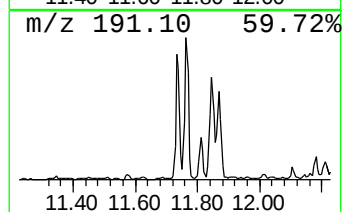
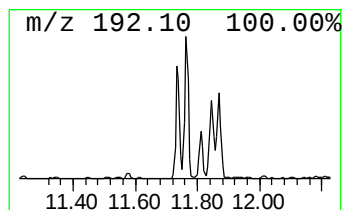
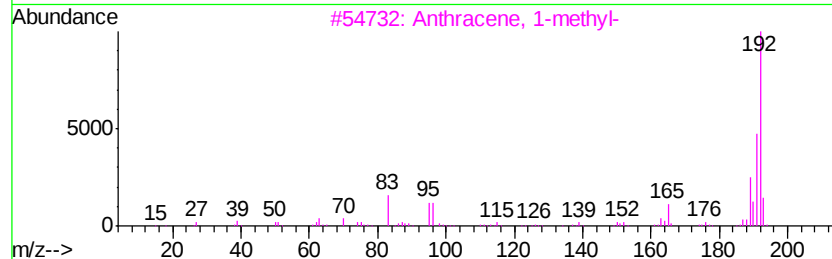
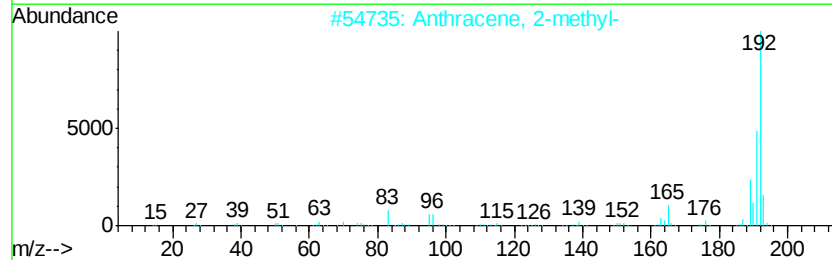
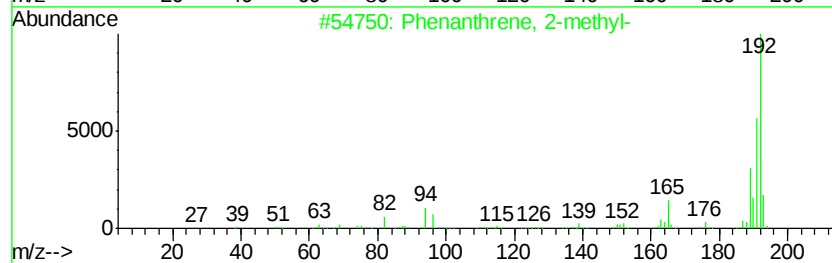
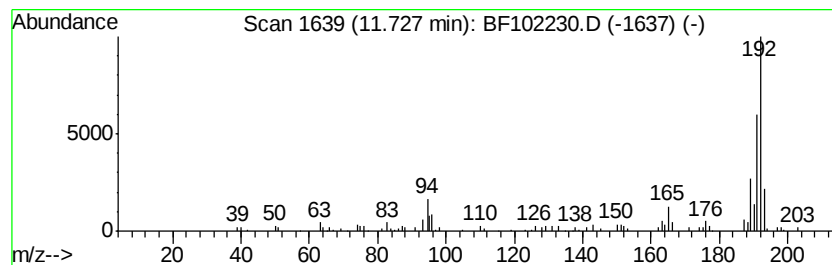
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.73	2.91 ng	194407	Phenanthrene-d10	11.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
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ALS Vial : 6 Sample Multiplier: 1

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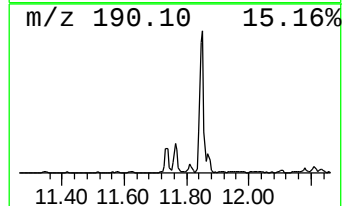
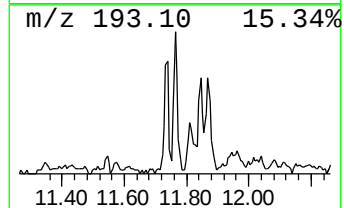
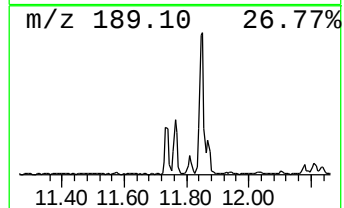
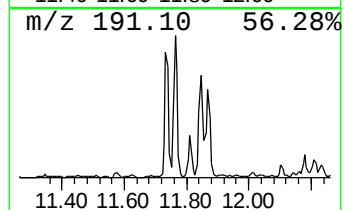
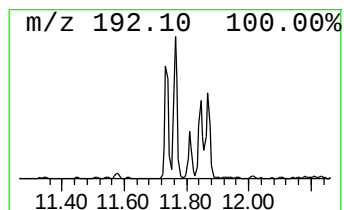
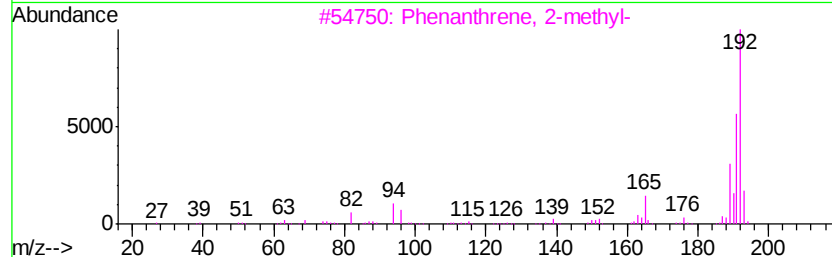
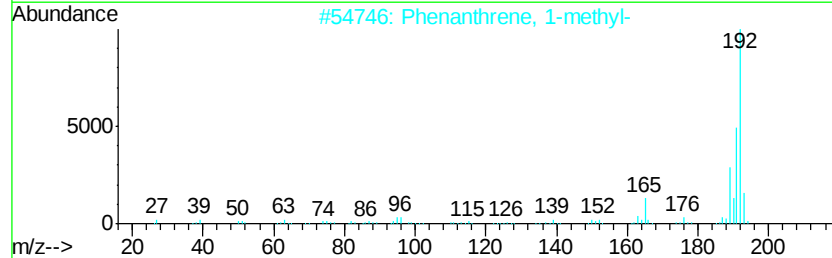
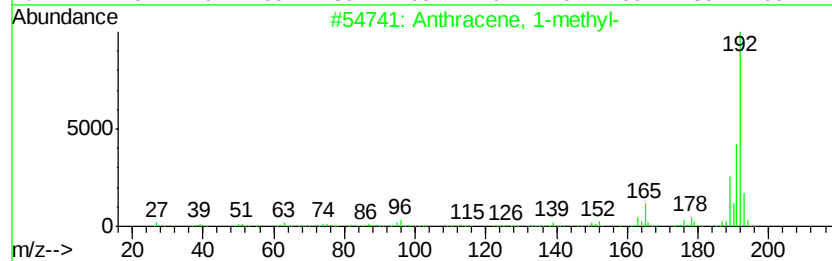
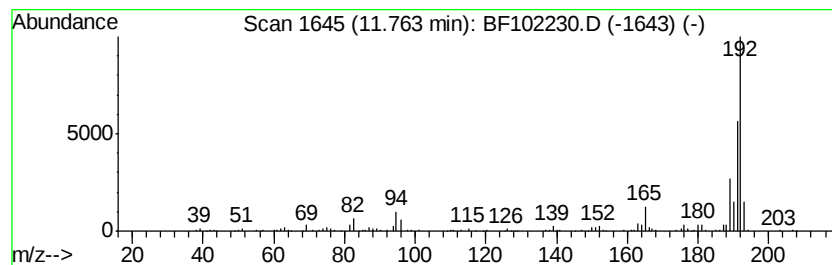
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	3.28 ng	219064	Phenanthrene-d10	11.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4			1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011918\
Data File : BF102230.D
Acq On : 19 Jan 2018 21:31
Operator : SJ/JU
Sample : J1018-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-011818-A

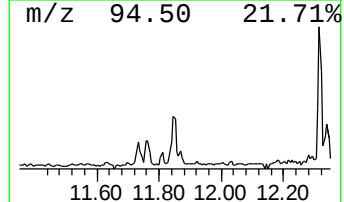
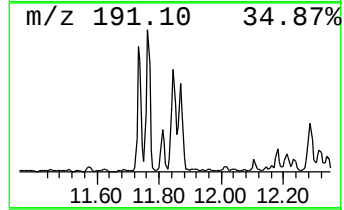
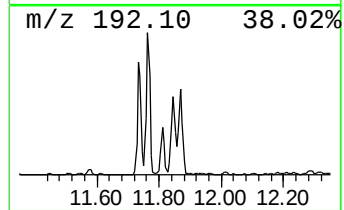
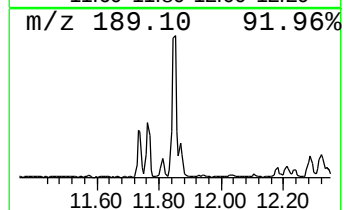
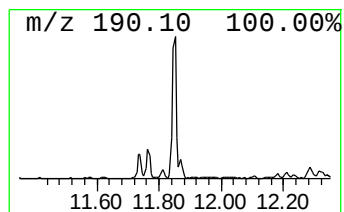
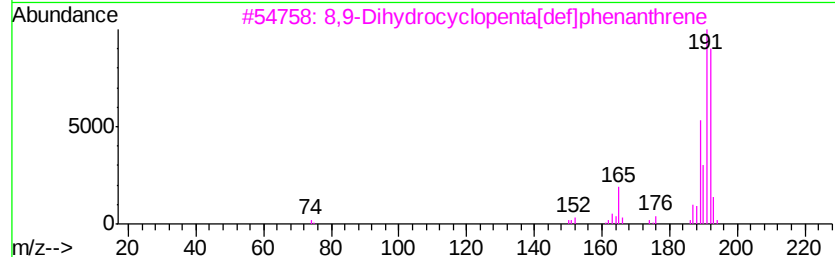
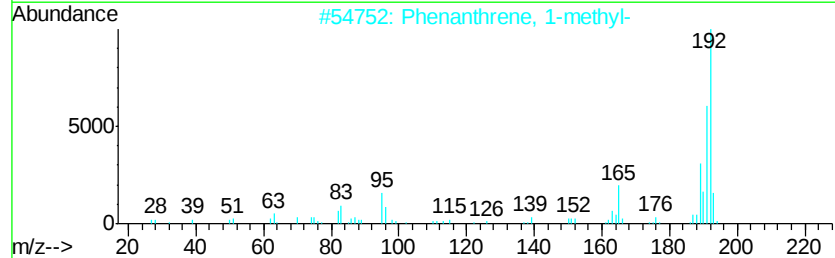
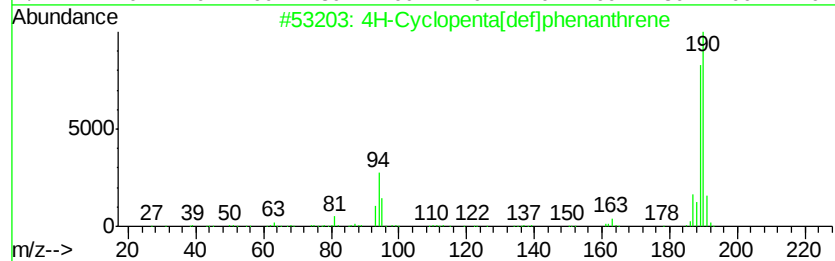
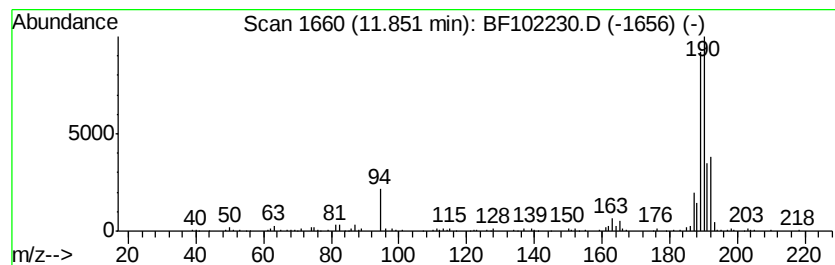
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	4.73 ng	315854	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
3		8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	42
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5		3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102230.D
Acq On : 19 Jan 2018 21:31
Operator : SJ/JU
Sample : J1018-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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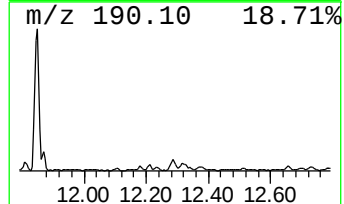
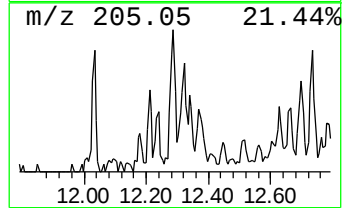
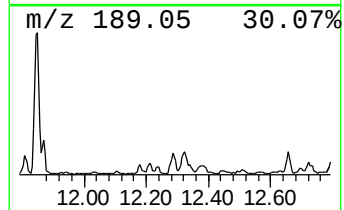
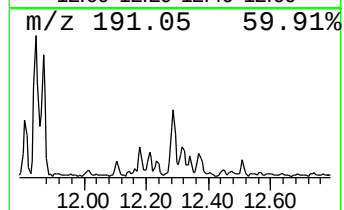
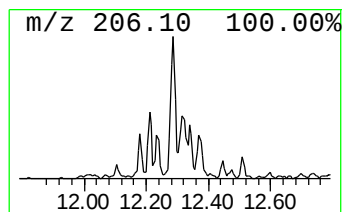
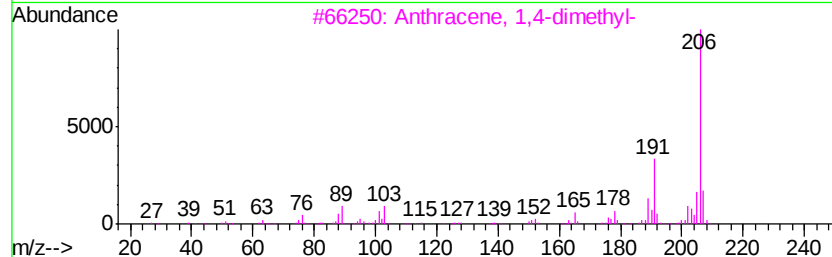
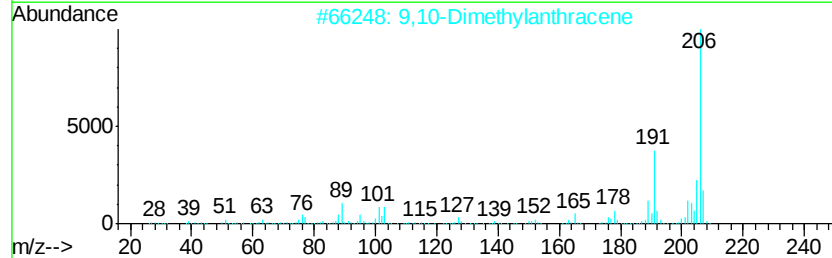
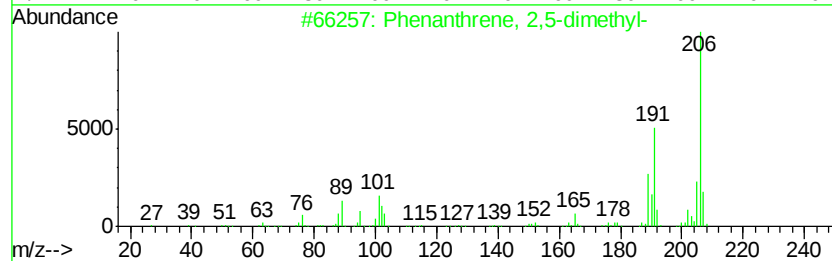
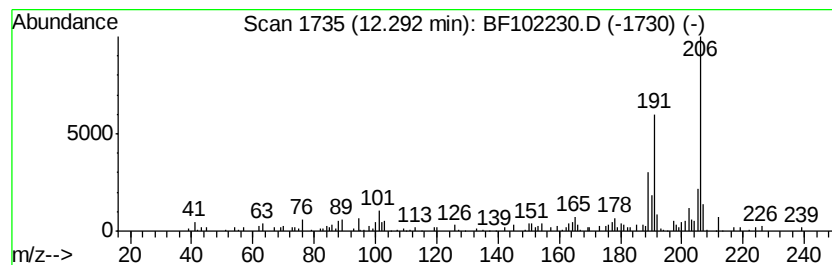
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.05 ng	137146	Phenanthrene-d10	11.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5			di-p-Tolylacetylene	206	C16H14	002789-88-0	92



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102230.D
Acq On : 19 Jan 2018 21:31
Operator : SJ/JU
Sample : J1018-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-011818-A

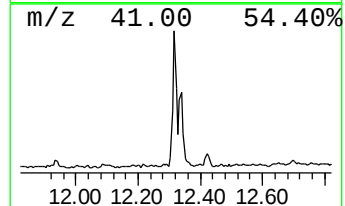
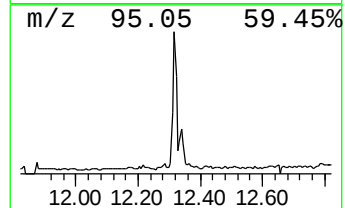
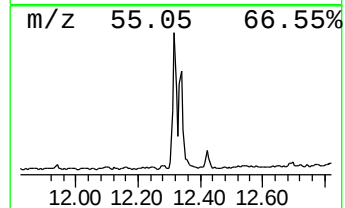
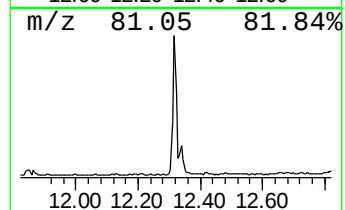
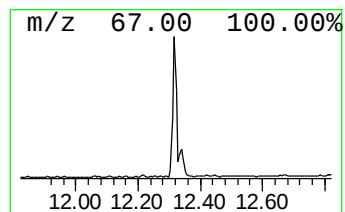
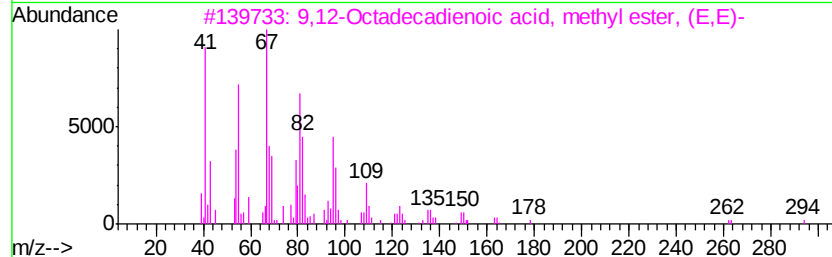
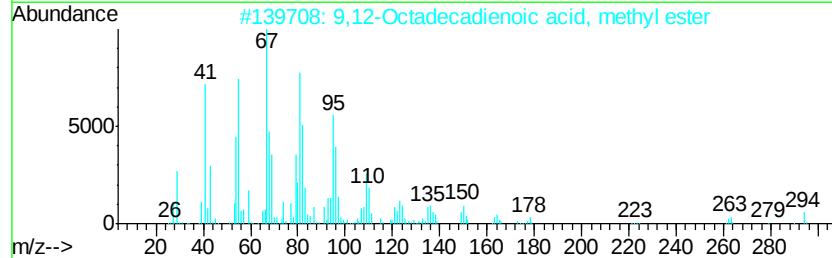
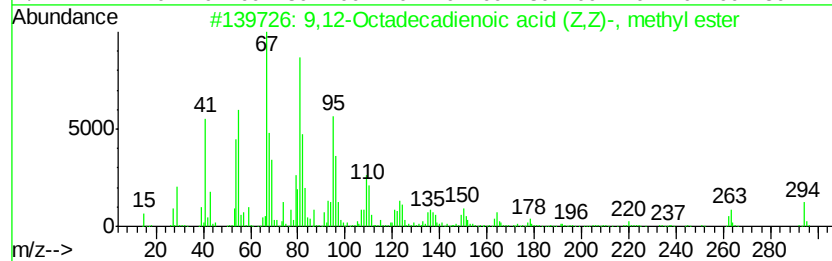
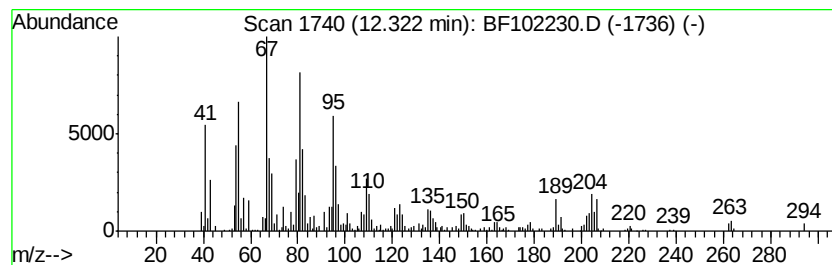
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,12-Octadecadienoic acid (... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	10.09 ng	673654	Phenanthrene-d10	11.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2			9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3			9,12-Octadecadienoic acid, methv...	294	C19H34O2	002566-97-4	98
4			9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	97
5			9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102230.D
Acq On : 19 Jan 2018 21:31
Operator : SJ/JU
Sample : J1018-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-011818-A

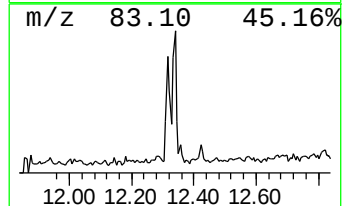
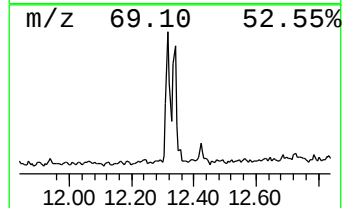
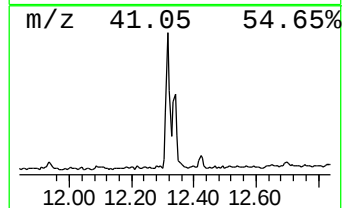
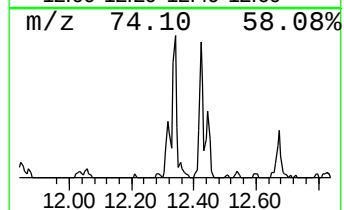
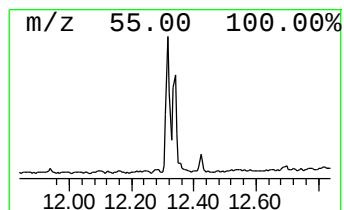
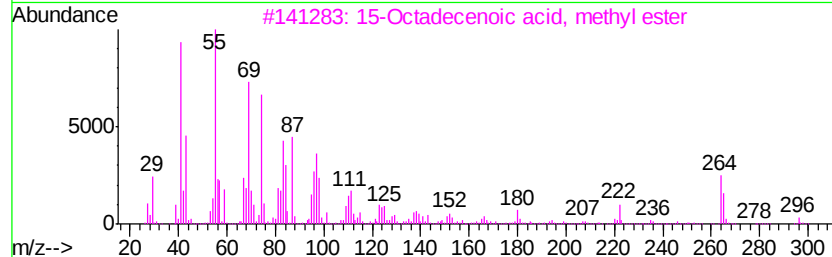
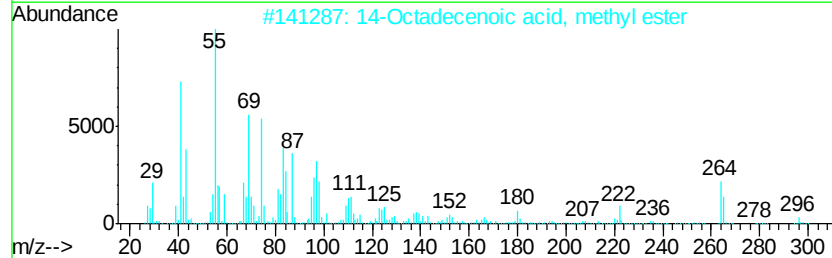
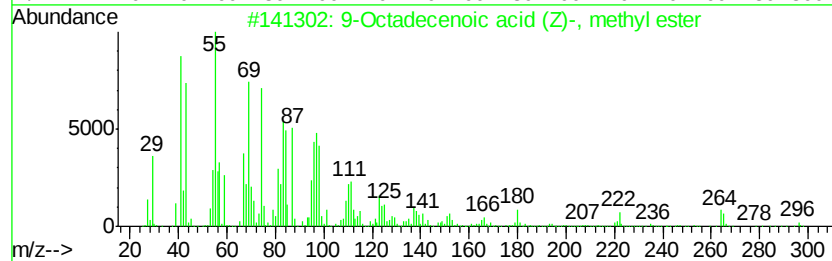
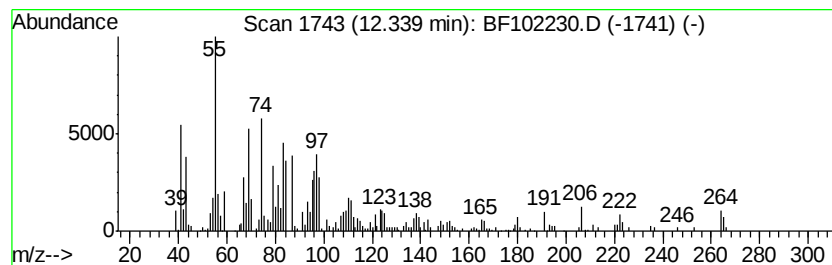
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9-Octadecenoic acid (Z)-, m... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	5.86 ng	391464	Phenanthrene-d10	11.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	93
2			14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	90
3			15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	90
4			10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	90
5			trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102230.D
Acq On : 19 Jan 2018 21:31
Operator : SJ/JU
Sample : J1018-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-011818-A

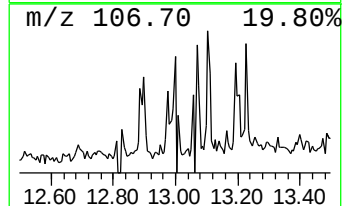
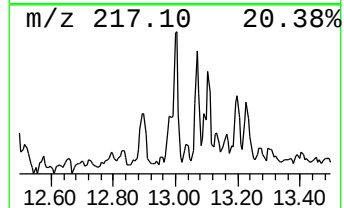
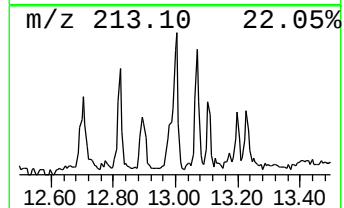
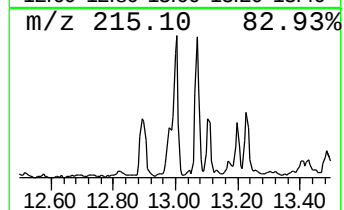
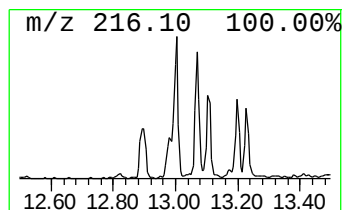
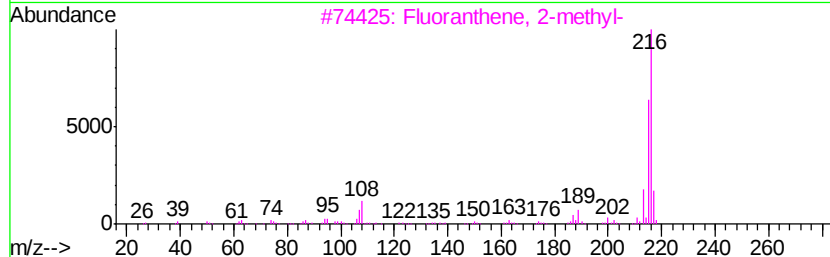
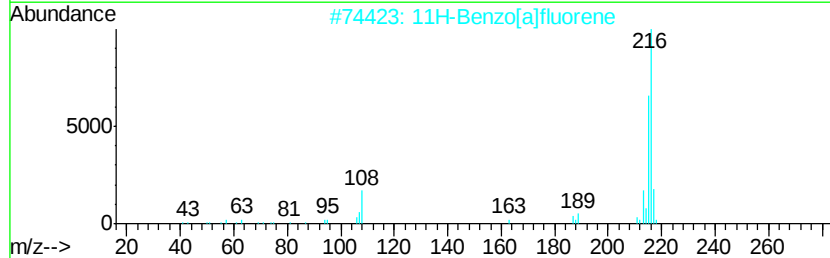
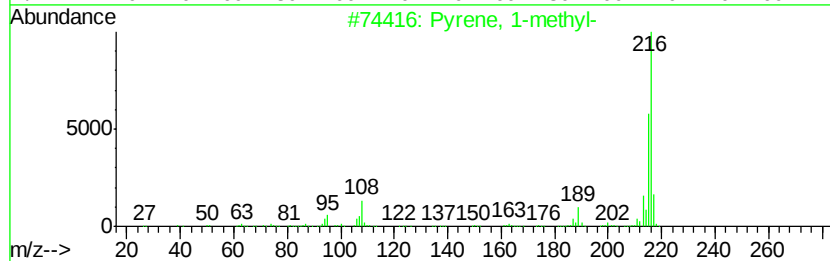
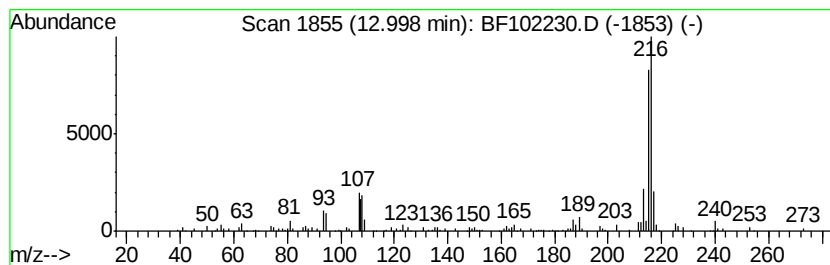
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.47 ng	135555	Chrysene-d12	13.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011918\
Data File : BF102230.D
Acq On : 19 Jan 2018 21:31
Operator : SJ/JU
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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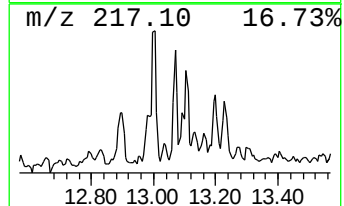
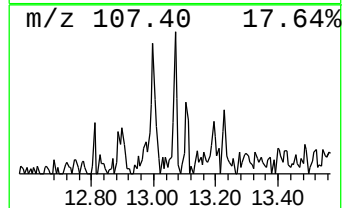
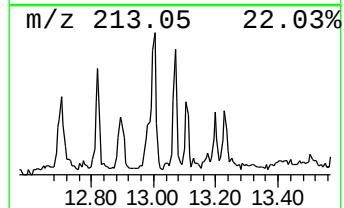
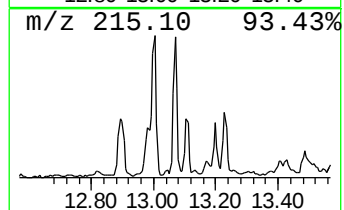
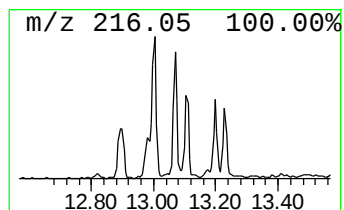
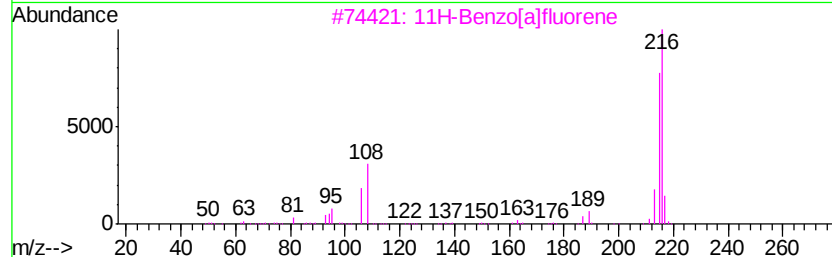
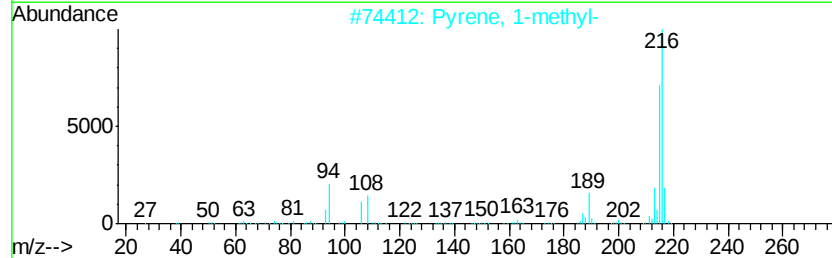
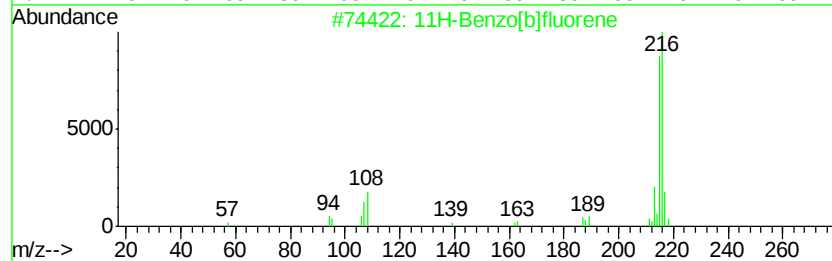
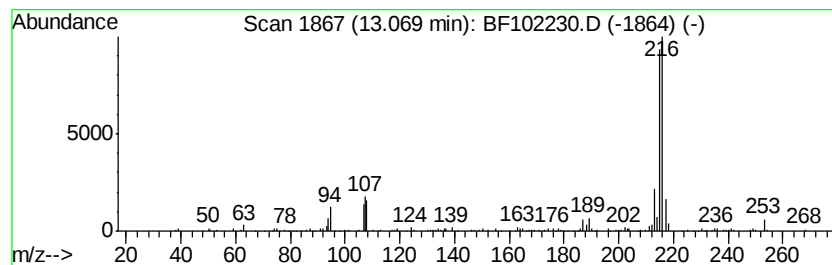
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.25 ng	123460	Chrysene-d12	13.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102230.D
Acq On : 19 Jan 2018 21:31
Operator : SJ/JU
Sample : J1018-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

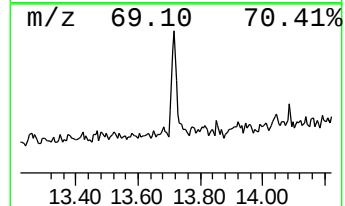
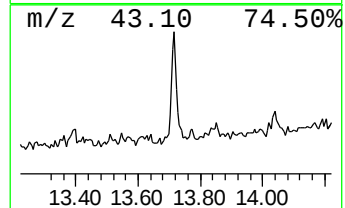
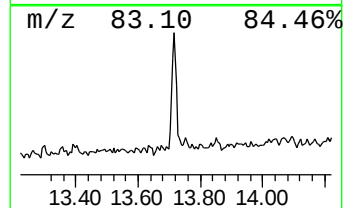
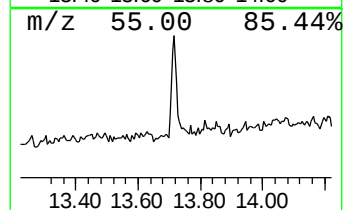
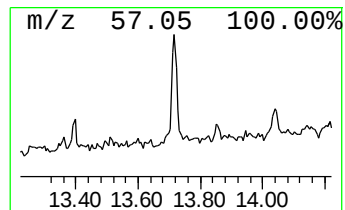
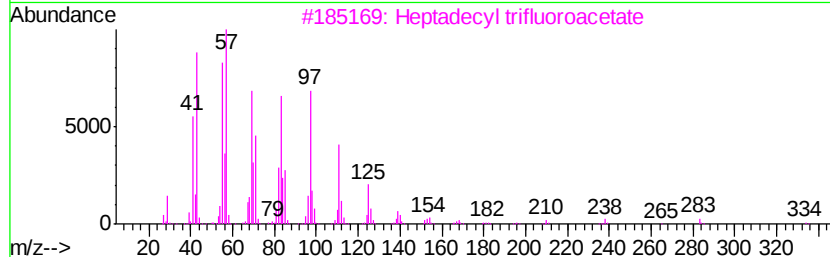
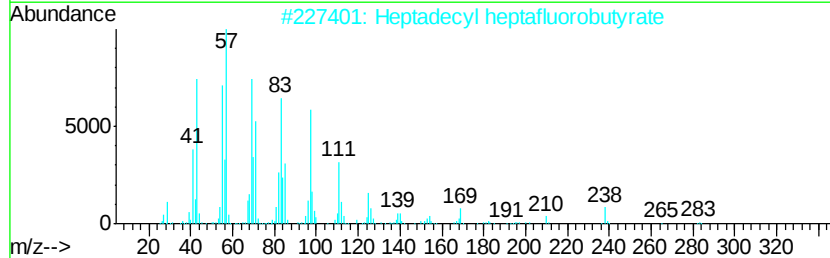
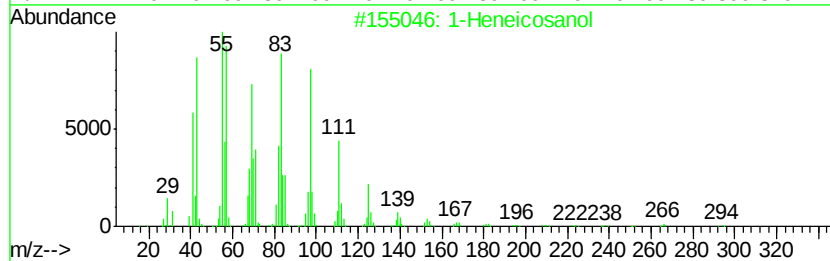
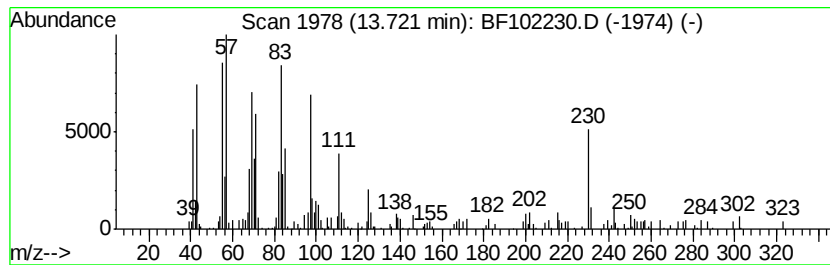
Instrument :
BNA_F
ClientSampleId :
OR-02-011818-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1-Heneicosanol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.72	2.81 ng	153882	Chrysene-d12	13.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	94
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
3	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	91
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011918\
Data File : BF102230.D
Acq On : 19 Jan 2018 21:31
Operator : SJ/JU
Sample : J1018-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-011818-A

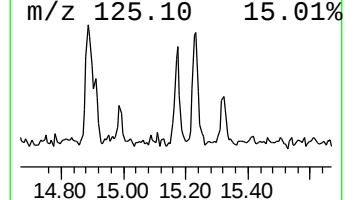
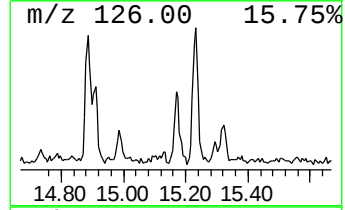
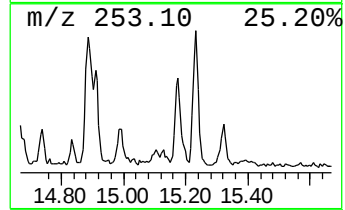
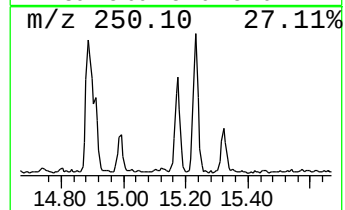
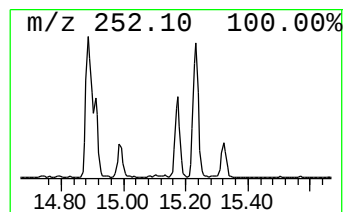
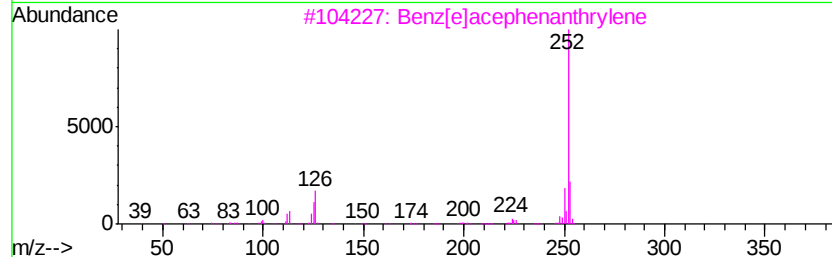
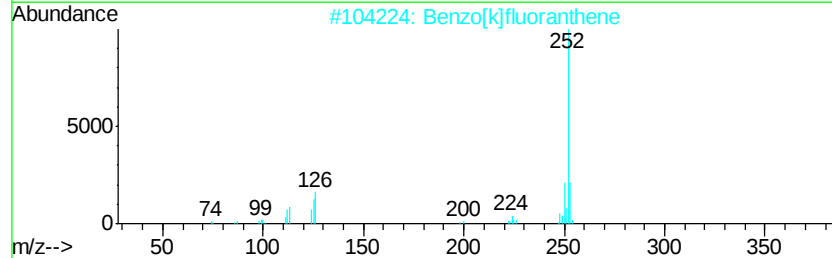
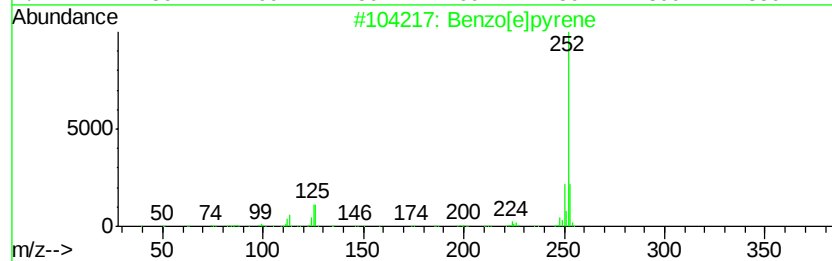
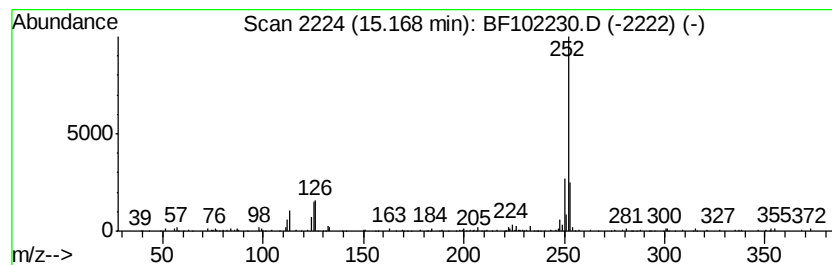
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	3.53 ng	146087	Perylene-d12	15.30

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	98
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	90
5		Perylene	252	C20H12	000198-55-0	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011918\
 Data File : BF102230.D
 Acq On : 19 Jan 2018 21:31
 Operator : SJ/JU
 Sample : J1018-06 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011818-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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...	4.90	2.4	ng	109645	1	6.72	904304	20.0
unknown6.49	6.49	34.2	ng	1548130	1	6.72	904304	20.0
Naphthalene, 1-me...	8.81	3.1	ng	198490	2	8.00	1259680	20.0
Naphthalene, 2,3-...	9.41	2.4	ng	161685	3	9.75	1359640	20.0
Biphenylene	9.61	2.0	ng	139163	3	9.75	1359640	20.0
3-Methyl-4-(metho...	10.66	2.2	ng	144971	4	11.24	1335540	20.0
Dibenzothiophene	11.13	2.0	ng	135992	4	11.24	1335540	20.0
Hexadecanoic acid...	11.63	3.2	ng	216342	4	11.24	1335540	20.0
Phenanthrene, 2-m...	11.73	2.9	ng	194407	4	11.24	1335540	20.0
Anthracene, 1-met...	11.76	3.3	ng	219064	4	11.24	1335540	20.0
4H-Cyclopenta[def...	11.85	4.7	ng	315854	4	11.24	1335540	20.0
Phenanthrene, 2,5...	12.29	2.0	ng	137146	4	11.24	1335540	20.0
9,12-Octadecadien...	12.32	10.1	ng	673654	4	11.24	1335540	20.0
9-Octadecenoic ac...	12.34	5.9	ng	391464	4	11.24	1335540	20.0
Pyrene, 1-methyl-	13.00	2.5	ng	135555	5	13.87	1095990	20.0
11H-Benzo[b]fluorene	13.07	2.3	ng	123460	5	13.87	1095990	20.0
1-Heneicosanol	13.72	2.8	ng	153882	5	13.87	1095990	20.0
Benzo[e]pyrene	15.17	3.5	ng	146087	6	15.30	828013	20.0