

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
 Data File : BF101488.D
 Acq On : 18 Dec 2017 18:42
 Operator : SJ/JU
 Sample : I6677-05 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-121517-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-BF121417.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.428	565	568	584	rBV	378022	594201	16.76%	1.078%
2	6.451	739	742	761	rBV	414234	689895	19.46%	1.251%
3	6.581	761	764	770	rVV	654782	642833	18.13%	1.166%
4	6.810	799	803	810	rBV	906142	866476	24.44%	1.572%
5	6.963	826	829	842	rBV	528190	511978	14.44%	0.929%
6	7.380	896	900	912	rBV	241037	356147	10.05%	0.646%
7	8.092	1017	1021	1023	rBV	1226372	1122706	31.67%	2.036%
8	8.116	1023	1025	1032	rVV	1458469	1254648	35.39%	2.276%
9	8.804	1139	1142	1149	rBV	937362	851956	24.03%	1.545%
10	8.904	1154	1159	1165	rVV	760121	677054	19.10%	1.228%
11	9.163	1200	1203	1208	rBV	804973	652469	18.41%	1.183%
12	9.269	1218	1221	1226	rVB	187299	155468	4.39%	0.282%
13	9.363	1235	1237	1242	rVB	126695	139127	3.92%	0.252%
14	9.433	1244	1249	1253	rBV	307199	424734	11.98%	0.770%
15	9.504	1257	1261	1264	rBV	479366	510187	14.39%	0.925%
16	9.533	1264	1266	1269	rVB	281268	225667	6.37%	0.409%
17	9.622	1278	1281	1290	rVB	254910	297840	8.40%	0.540%
18	9.710	1292	1296	1301	rVV2	433944	408823	11.53%	0.741%
19	9.827	1313	1316	1317	rVV	149016	134618	3.80%	0.244%
20	9.845	1317	1319	1322	rVV	1061650	985593	27.80%	1.788%
21	9.880	1322	1325	1329	rVV	801720	698149	19.69%	1.266%
22	9.951	1332	1337	1341	rVV3	85637	138802	3.92%	0.252%
23	10.051	1350	1354	1358	rVV2	562452	597308	16.85%	1.083%
24	10.086	1358	1360	1364	rVB	182819	173490	4.89%	0.315%
25	10.163	1369	1373	1376	rBV	180616	201822	5.69%	0.366%
26	10.192	1376	1378	1383	rVB	136586	116082	3.27%	0.211%
27	10.269	1383	1391	1394	rVB4	122407	252372	7.12%	0.458%
28	10.398	1409	1413	1419	rVB	1134658	1036592	29.24%	1.880%
29	10.463	1419	1424	1425	rBV	119245	158935	4.48%	0.288%
30	10.480	1425	1427	1429	rVV2	153861	134407	3.79%	0.244%
31	10.557	1437	1440	1443	rVB2	250823	247385	6.98%	0.449%
32	10.645	1448	1455	1460	rBV3	392633	546899	15.43%	0.992%
33	10.945	1501	1506	1509	rBV2	273416	320702	9.05%	0.582%
34	10.974	1509	1511	1514	rVV	182859	156883	4.43%	0.285%

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35	11.027	1517	1520	1523	rVB	160405	129752	3.66%	0.235%
36	11.074	1523	1528	1530	rBV2	91454	148530	4.19%	0.269%
37	11.092	1530	1531	1536	rVV2	102655	119282	3.36%	0.216%
38	11.151	1537	1541	1544	rVV4	76767	109096	3.08%	0.198%
39	11.186	1544	1547	1550	rVV	164763	168101	4.74%	0.305%
40	11.233	1553	1555	1562	rVB	369684	347402	9.80%	0.630%
41	11.339	1569	1573	1575	rBV	891188	879344	24.81%	1.595%
42	11.368	1575	1578	1581	rVV	3361658	3125419	88.16%	5.669%
43	11.416	1583	1586	1589	rVV	1206873	1105975	31.20%	2.006%
44	11.451	1589	1592	1597	rVV3	122340	233045	6.57%	0.423%
45	11.498	1597	1600	1606	rVV4	82647	144141	4.07%	0.261%
46	11.574	1609	1613	1617	rVV	316480	363963	10.27%	0.660%
47	11.610	1617	1619	1621	rVV2	101051	105997	2.99%	0.192%
48	11.668	1624	1629	1634	rVV2	178925	265007	7.48%	0.481%
49	11.716	1634	1637	1640	rVV	415095	325866	9.19%	0.591%
50	11.751	1640	1643	1648	rVB	121571	150973	4.26%	0.274%
51	11.839	1655	1658	1661	rBV	677804	654471	18.46%	1.187%
52	11.868	1661	1663	1667	rVB	806608	741541	20.92%	1.345%
53	11.921	1668	1672	1674	rBV	317131	309153	8.72%	0.561%
54	11.957	1674	1678	1680	rVV2	1011539	1103111	31.12%	2.001%
55	11.974	1680	1681	1686	rVB	475004	375454	10.59%	0.681%
56	12.133	1705	1708	1713	rVV	386675	400390	11.29%	0.726%
57	12.180	1713	1716	1719	rVB2	108532	124353	3.51%	0.226%
58	12.315	1737	1739	1741	rBV	173029	129048	3.64%	0.234%
59	12.345	1741	1744	1746	rVB2	139833	126291	3.56%	0.229%
60	12.404	1748	1754	1756	rBV2	1193024	1539737	43.43%	2.793%
61	12.421	1756	1757	1761	rVB3	650783	579631	16.35%	1.051%
62	12.563	1776	1781	1784	rBV	3036188	3030518	85.49%	5.496%
63	12.621	1789	1791	1794	rVB2	126151	99680	2.81%	0.181%
64	12.657	1794	1797	1800	rVB	137016	113906	3.21%	0.207%
65	12.710	1802	1806	1808	rBV2	208014	192781	5.44%	0.350%
66	12.792	1813	1820	1825	rBV2	2706919	3545008	100.00%	6.430%
67	12.839	1825	1828	1832	rVB	243149	240313	6.78%	0.436%
68	12.921	1837	1842	1844	rBV2	497471	513523	14.49%	0.931%
69	12.951	1844	1847	1852	rVB2	137116	184949	5.22%	0.335%
70	13.010	1852	1857	1861	rBV3	288274	521175	14.70%	0.945%
71	13.115	1872	1875	1880	rVB	671421	727562	20.52%	1.320%

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72	13.180	1884	1886	1889	rVV	583086	523560	14.77%	0.950%
73	13.221	1889	1893	1896	rVV2	454807	500848	14.13%	0.908%
74	13.315	1906	1909	1911	rVV	286615	226890	6.40%	0.412%
75	13.345	1911	1914	1917	rVV	296706	272481	7.69%	0.494%
76	13.598	1954	1957	1960	rBV3	130142	176392	4.98%	0.320%
77	13.633	1960	1963	1966	rVB	194276	185607	5.24%	0.337%
78	13.739	1976	1981	1983	rBV2	299496	365471	10.31%	0.663%
79	13.762	1983	1985	1988	rVB	338832	253119	7.14%	0.459%
80	13.792	1988	1990	1992	rBV	255028	258018	7.28%	0.468%
81	13.845	1997	1999	2005	rVB2	181492	203796	5.75%	0.370%
82	13.986	2016	2023	2027	rBV2	1863990	3069584	86.59%	5.567%
83	14.021	2027	2029	2032	rVB	1500418	1156539	32.62%	2.098%
84	14.098	2040	2042	2045	rBV	393552	299838	8.46%	0.544%
85	14.151	2048	2051	2055	rVV3	170773	190610	5.38%	0.346%
86	14.339	2081	2083	2085	rBV	157270	156691	4.42%	0.284%
87	14.380	2087	2090	2093	rVV	406366	424165	11.97%	0.769%
88	14.409	2093	2095	2098	rVB	182937	154413	4.36%	0.280%
89	14.480	2104	2107	2109	rVB2	156242	139286	3.93%	0.253%
90	14.504	2109	2111	2113	rVV2	232953	214239	6.04%	0.389%
91	14.527	2113	2115	2117	rVB2	201830	163834	4.62%	0.297%
92	14.880	2172	2175	2177	rVB	139936	135715	3.83%	0.246%
93	15.039	2198	2202	2205	rBV	1107058	1732235	48.86%	3.142%
94	15.145	2217	2220	2224	rVB	315193	324962	9.17%	0.589%
95	15.339	2250	2253	2260	rVB	632247	797275	22.49%	1.446%
96	15.409	2260	2265	2271	rVV	1025869	1352855	38.16%	2.454%
97	15.468	2271	2275	2277	rVV	534183	628390	17.73%	1.140%
98	15.498	2277	2280	2286	rVB2	321540	444486	12.54%	0.806%
99	16.950	2521	2527	2533	rVB	452631	853951	24.09%	1.549%
100	17.403	2599	2604	2612	rVB	319563	674381	19.02%	1.223%

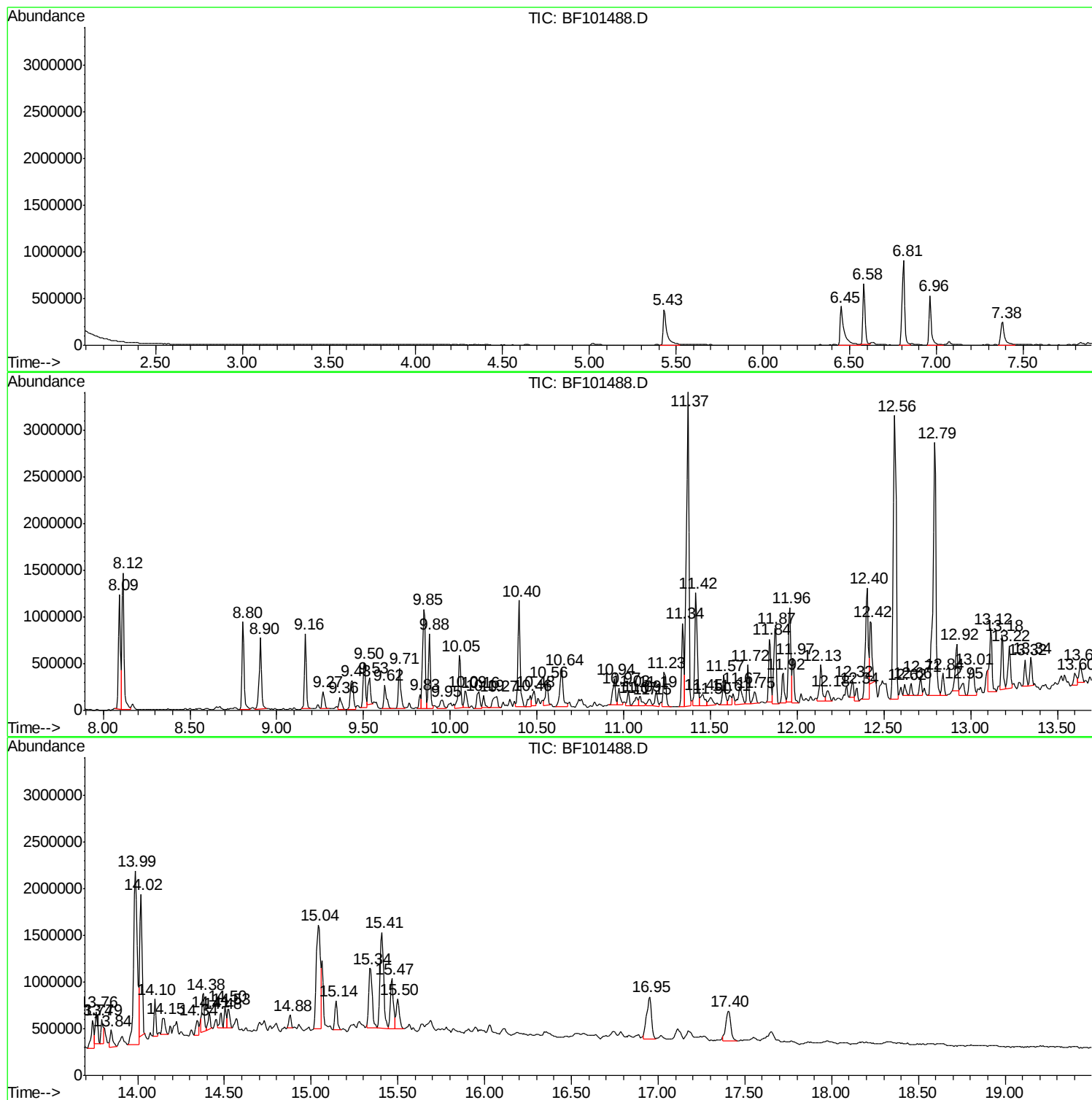
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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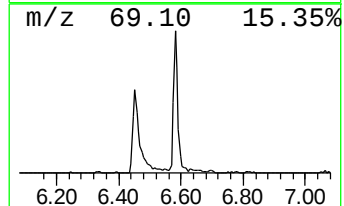
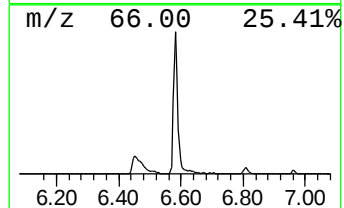
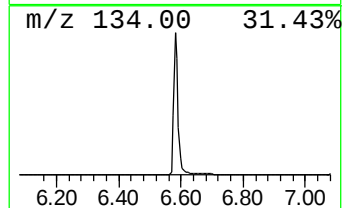
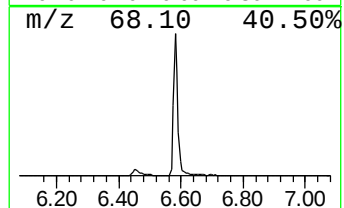
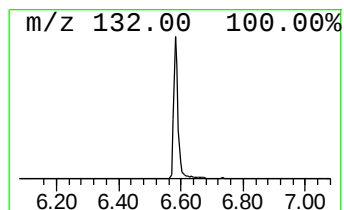
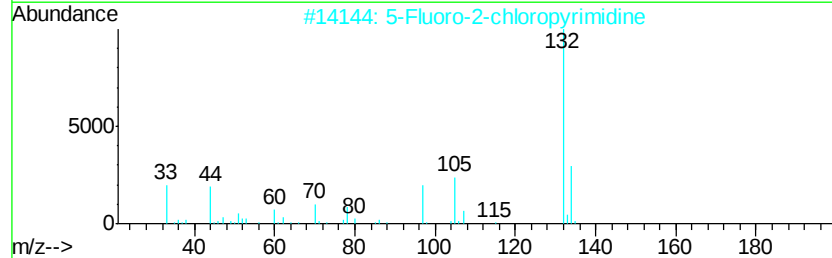
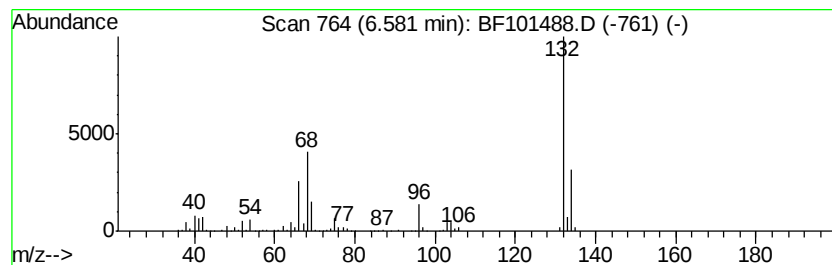
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.58 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	14.84 ng	642833	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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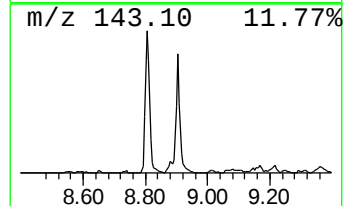
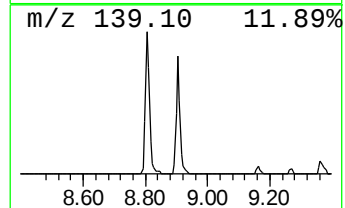
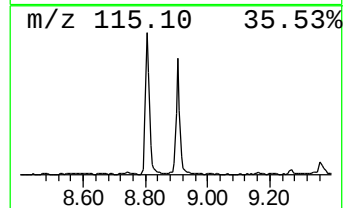
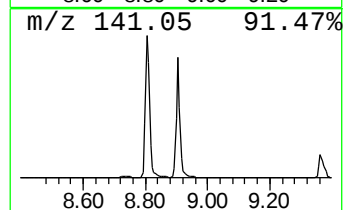
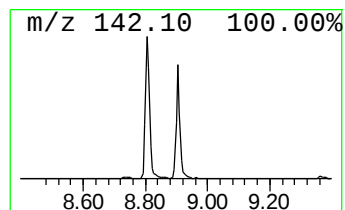
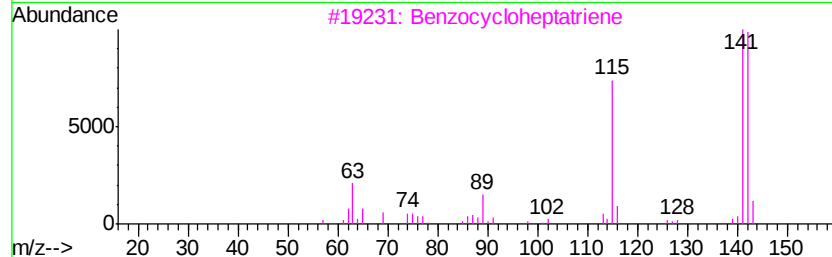
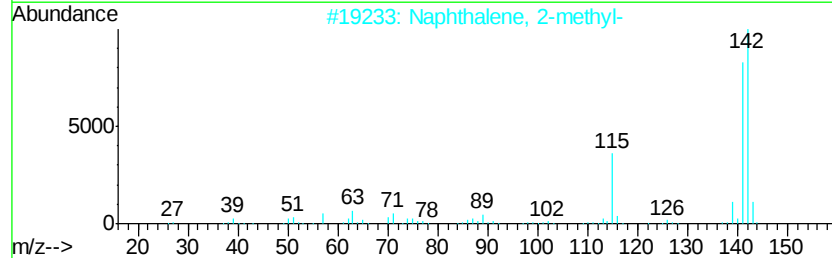
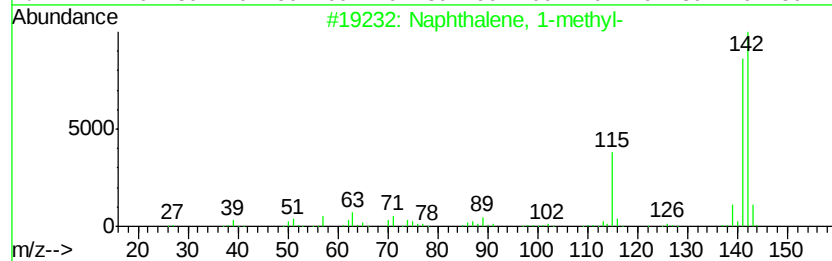
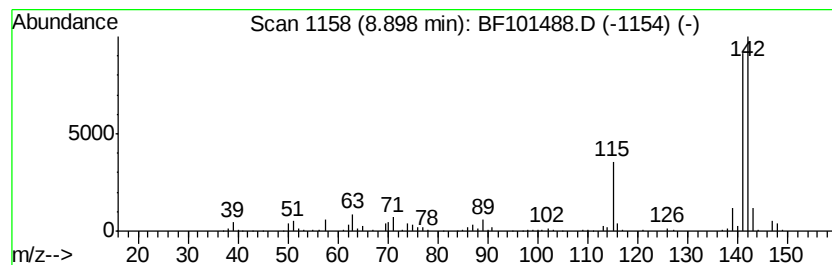
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.90	12.06 ng	677054	Naphthalene-d8	8.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	94
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	49



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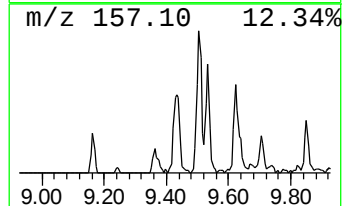
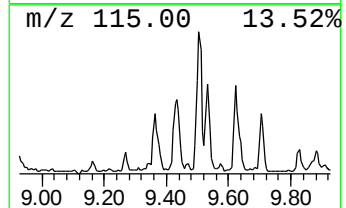
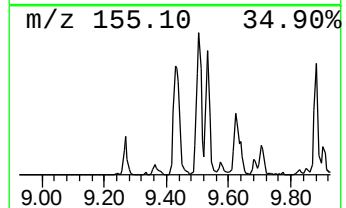
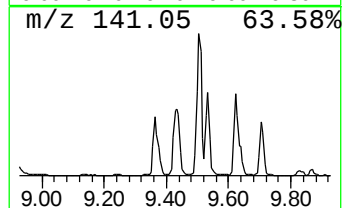
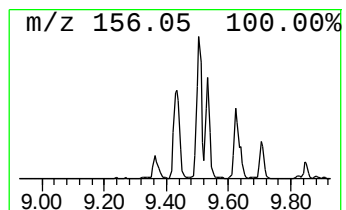
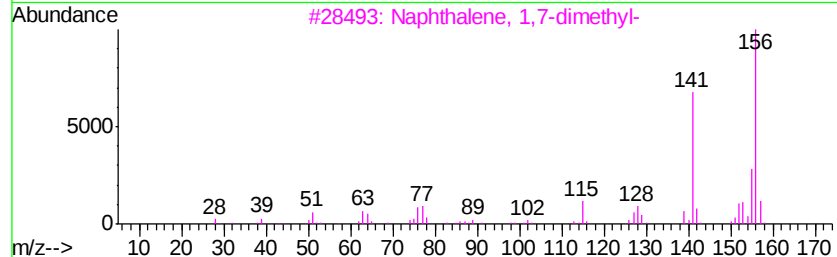
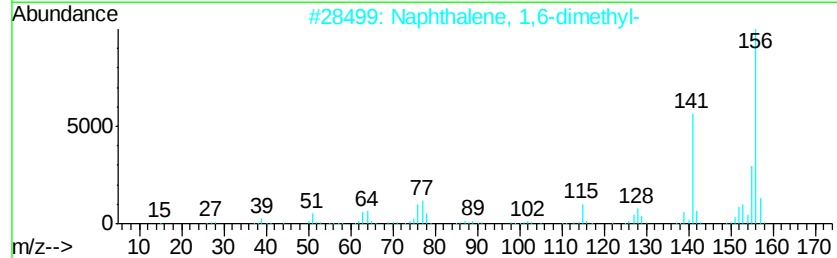
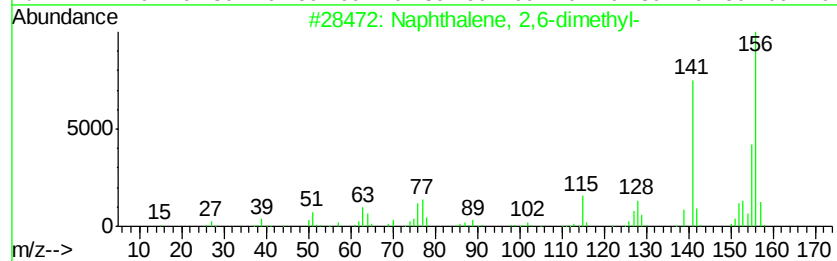
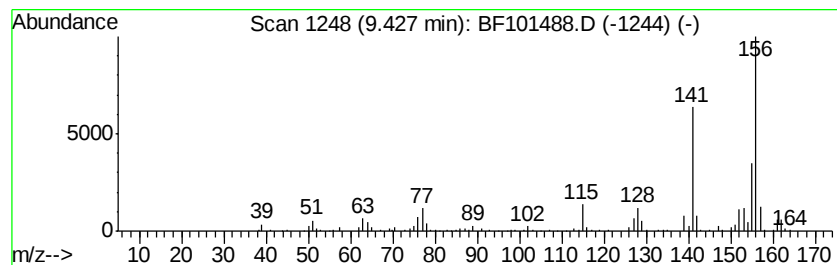
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Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	8.62 ng	424734	Acenaphthene-d10	9.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 98
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
3		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
4		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
5		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101488.D
Acq On : 18 Dec 2017 18:42
Operator : SJ/JU
Sample : I6677-05 5X
Misc :
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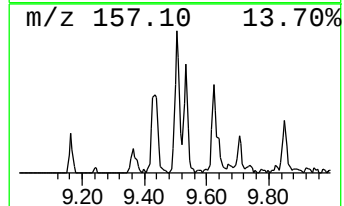
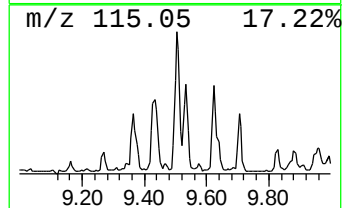
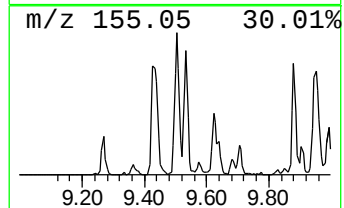
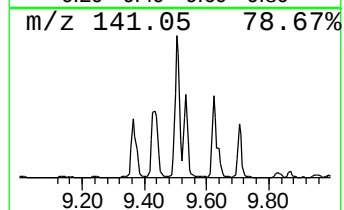
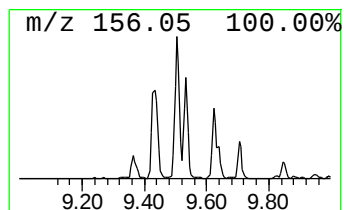
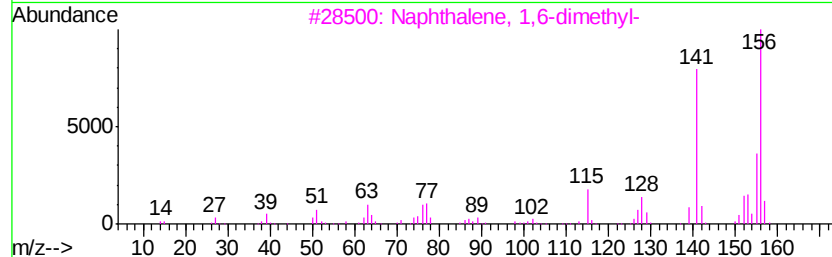
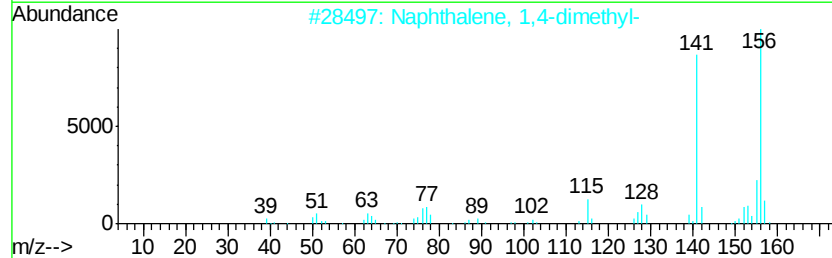
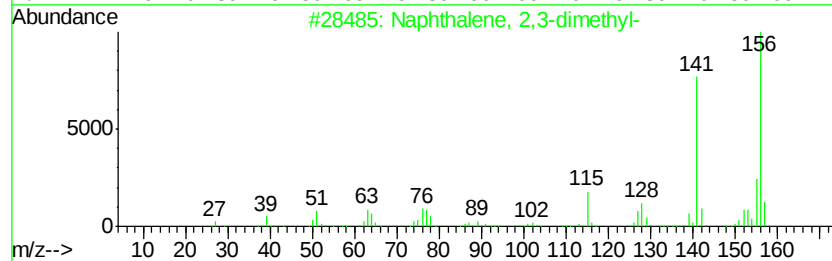
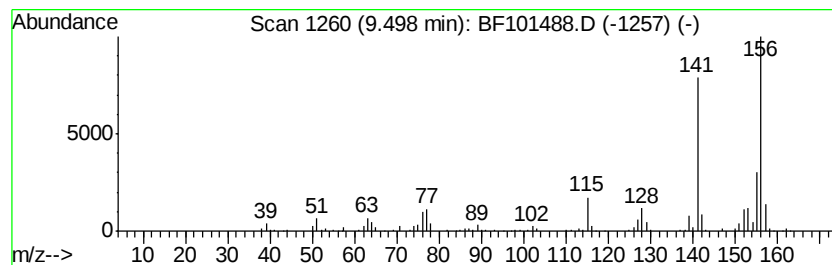
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ClientSampleId :
OR-01-121517-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	10.35 ng	510187	Acenaphthene-d10	9.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
2		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97
3		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
4		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97
5		Naphthalene, 1,2-dimethyl-	156 C12H12	000573-98-8 96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101488.D
Acq On : 18 Dec 2017 18:42
Operator : SJ/JU
Sample : I6677-05 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

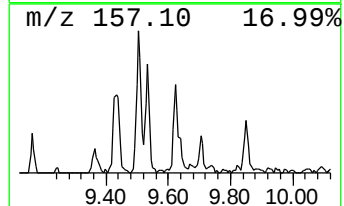
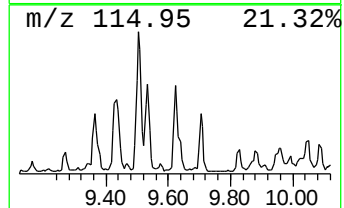
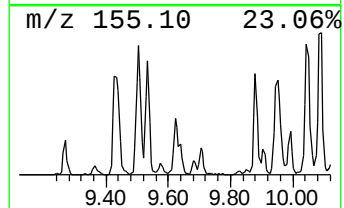
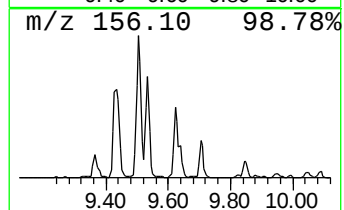
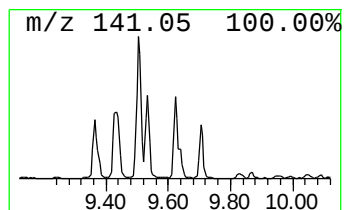
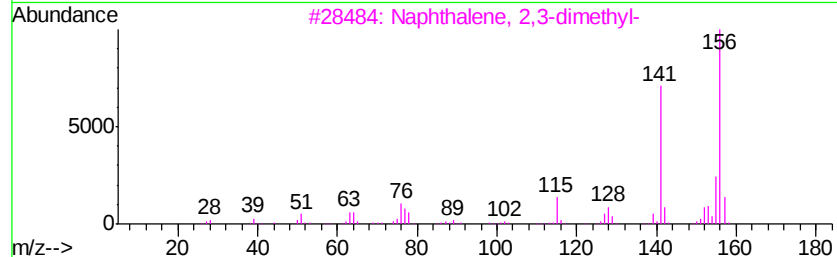
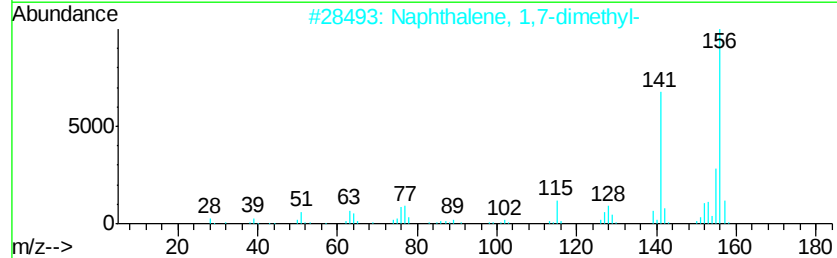
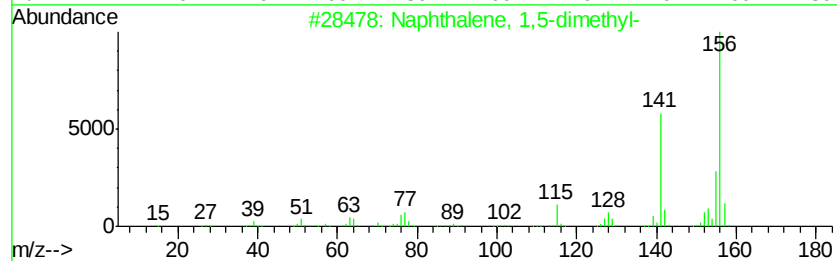
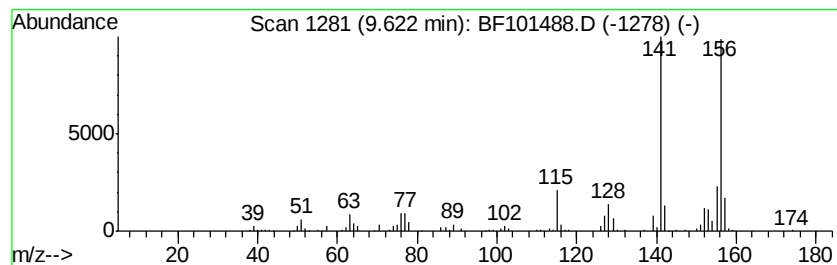
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ClientSampleId :
OR-01-121517-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.62	6.04 ng	297840	Acenaphthene-d10		9.85
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101488.D
Acq On : 18 Dec 2017 18:42
Operator : SJ/JU
Sample : I6677-05 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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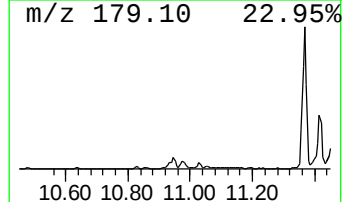
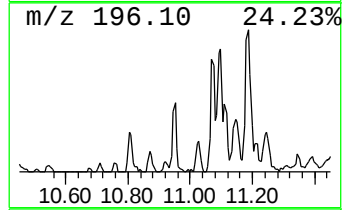
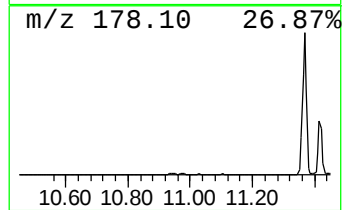
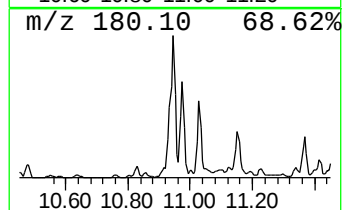
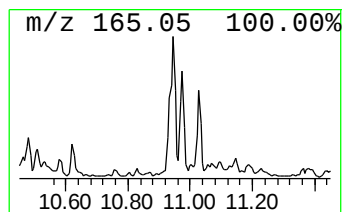
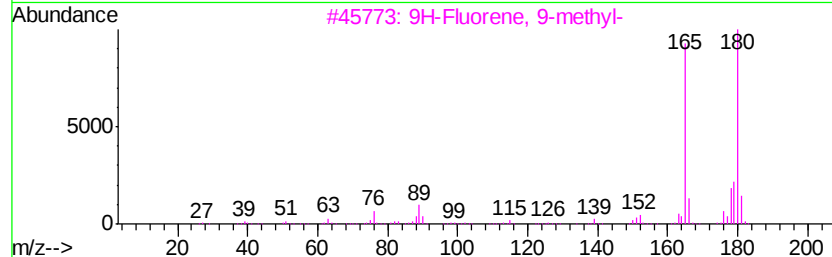
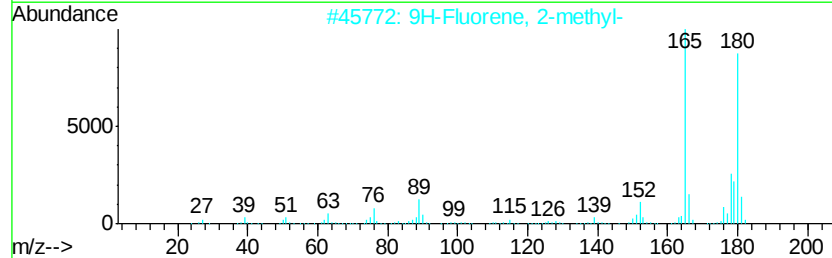
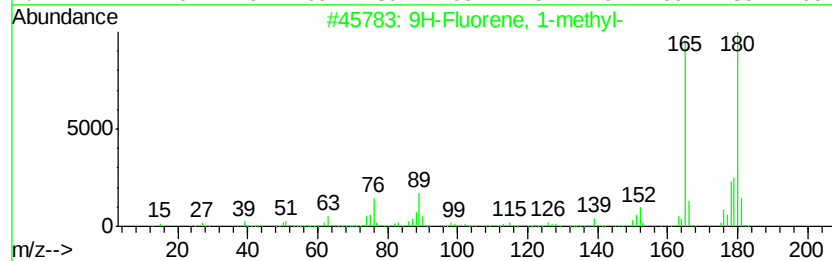
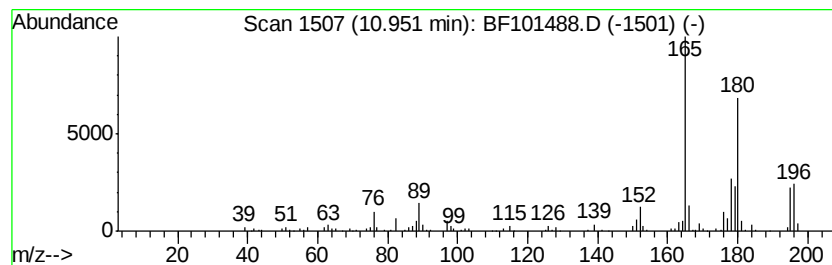
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	7.29 ng	320702	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
5		(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101488.D
Acq On : 18 Dec 2017 18:42
Operator : SJ/JU
Sample : I6677-05 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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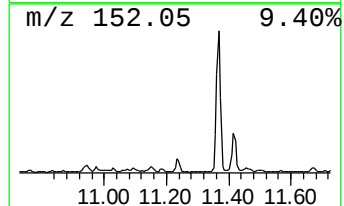
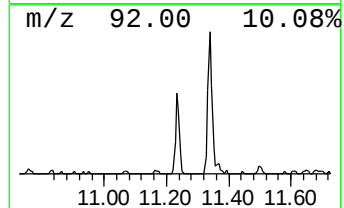
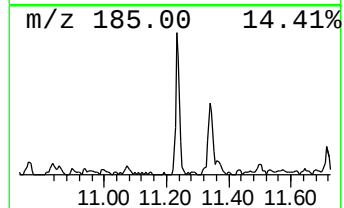
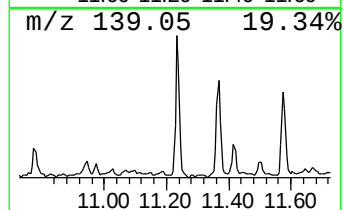
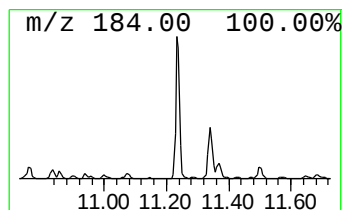
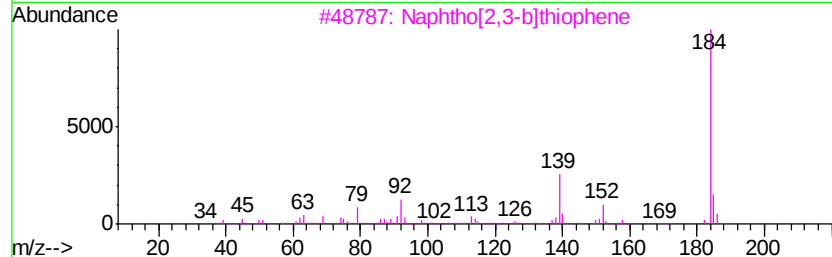
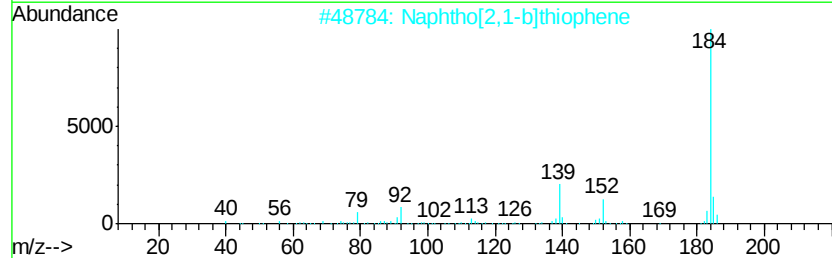
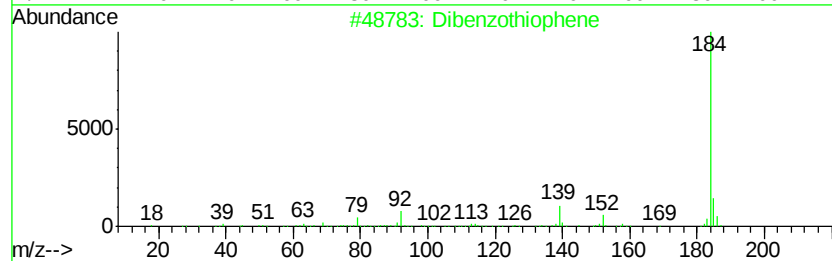
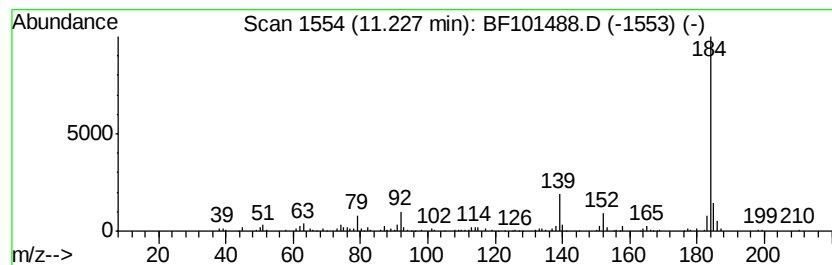
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	7.90 ng	347402	Phenanthrene-d10	11.34

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101488.D
Acq On : 18 Dec 2017 18:42
Operator : SJ/JU
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Misc :
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Instrument :
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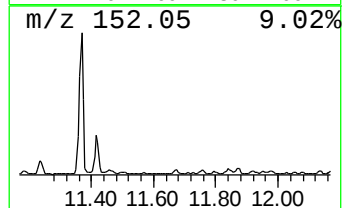
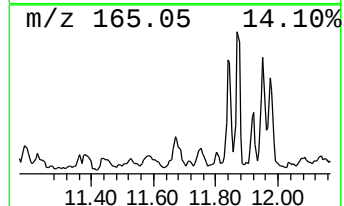
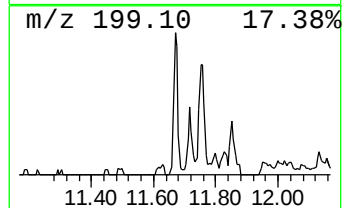
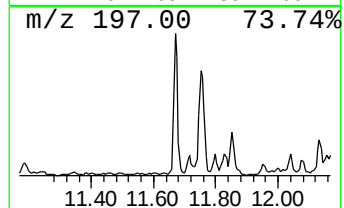
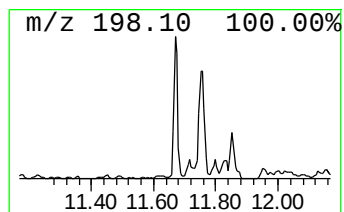
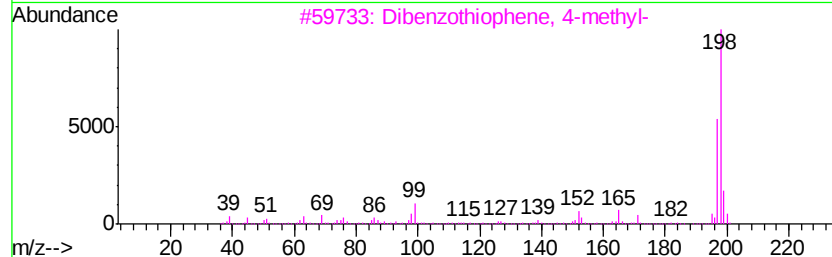
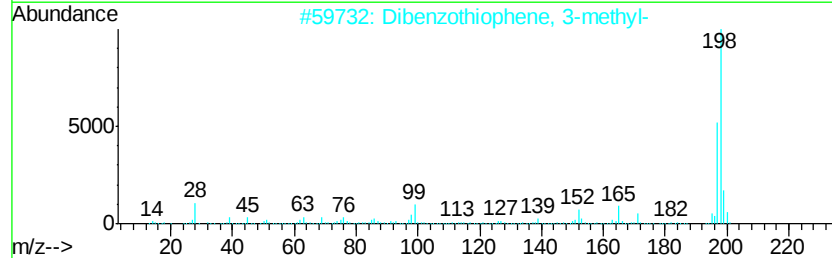
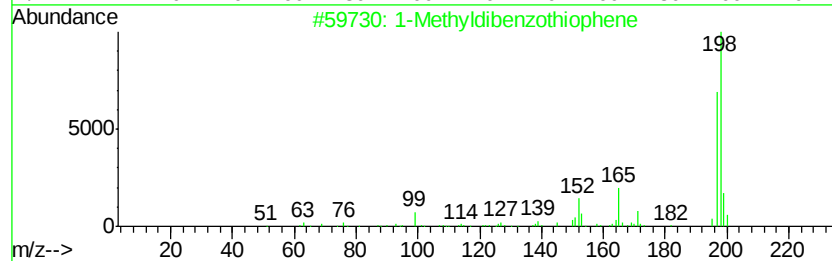
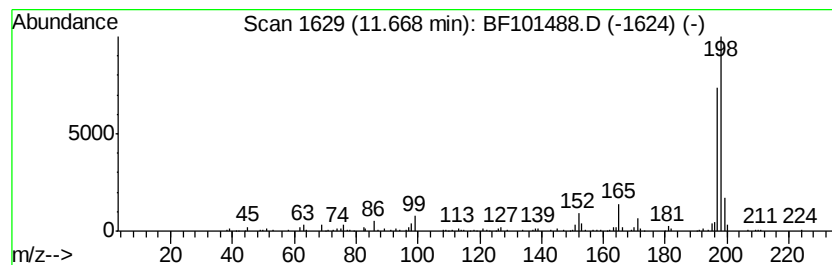
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1-Methyldibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	6.03 ng	265007	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
2		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	89
3		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	89
4		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80
5		Tacrine	198	C13H14N2	000321-64-2	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101488.D
Acq On : 18 Dec 2017 18:42
Operator : SJ/JU
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-01-121517-A

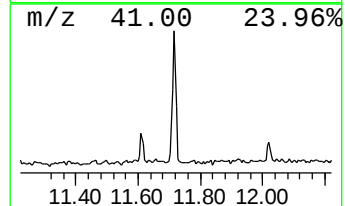
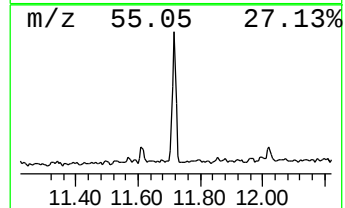
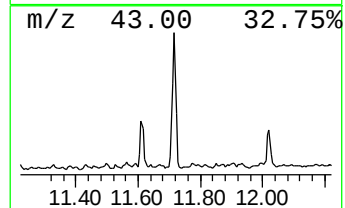
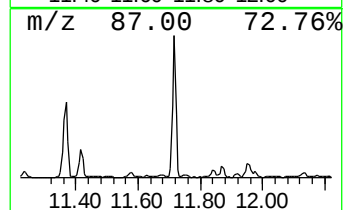
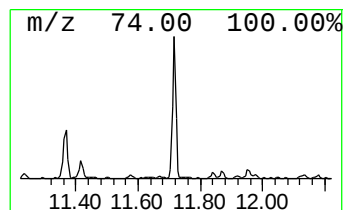
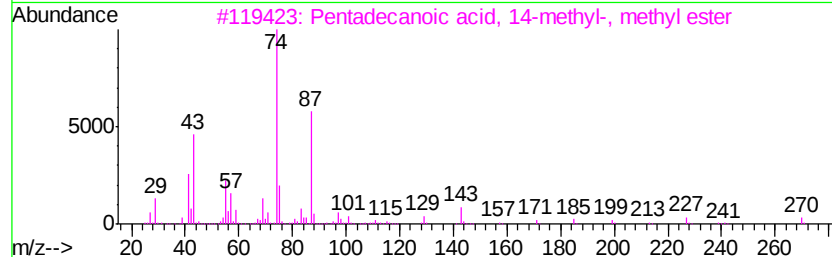
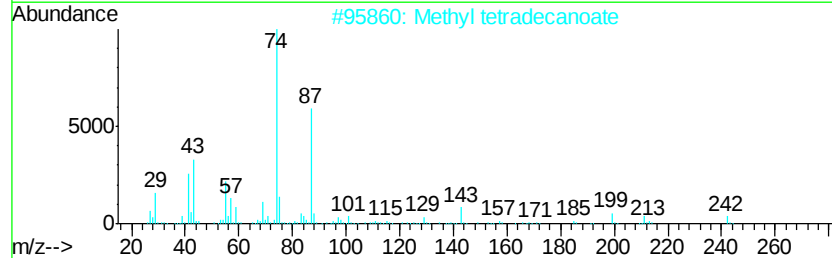
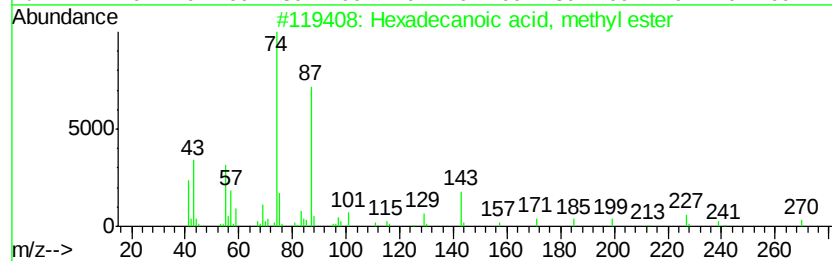
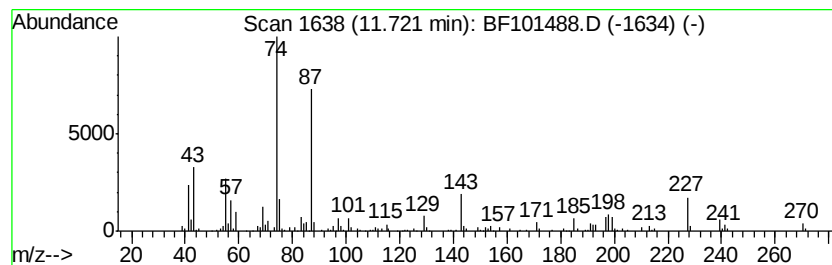
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Hexadecanoic acid, methyl e... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	7.41 ng	325866	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	97
2			Methyl tetradecanoate	242	C15H30O2	000124-10-7	95
3			Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
4			Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
5			Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101488.D
Acq On : 18 Dec 2017 18:42
Operator : SJ/JU
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ClientSampleId :
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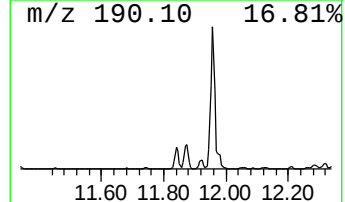
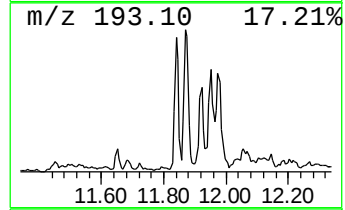
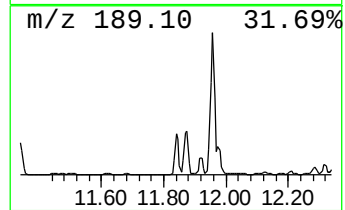
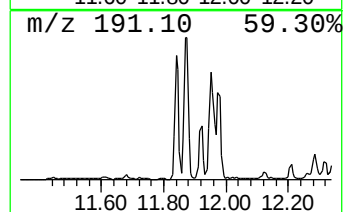
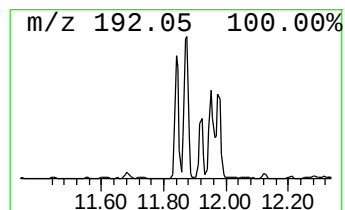
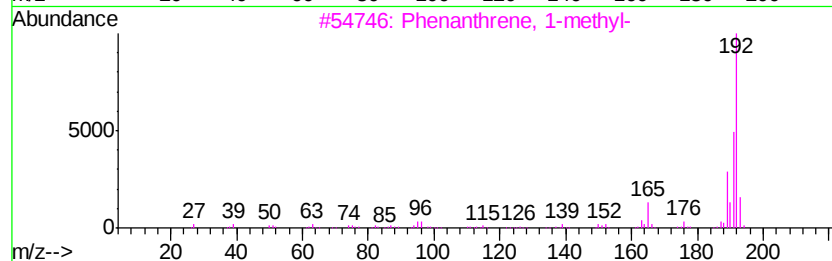
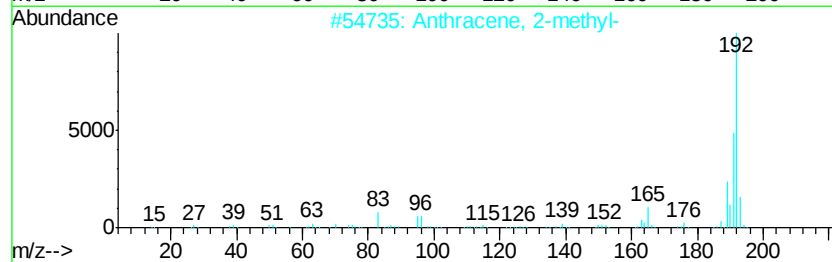
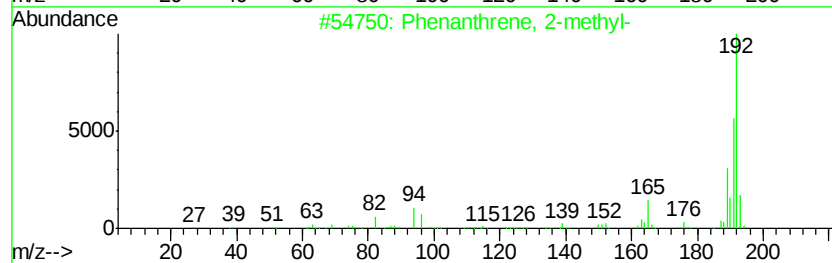
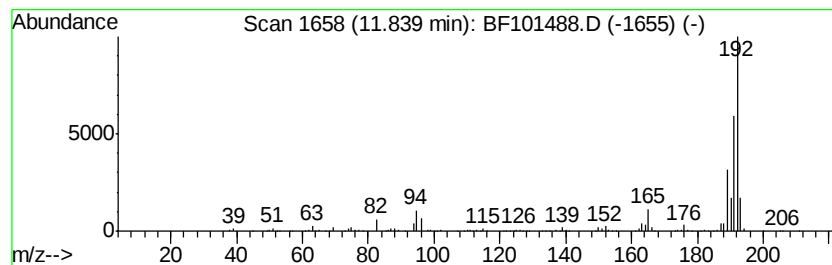
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	14.89 ng	654471	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101488.D
Acq On : 18 Dec 2017 18:42
Operator : SJ/JU
Sample : I6677-05 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-01-121517-A

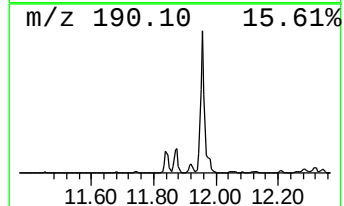
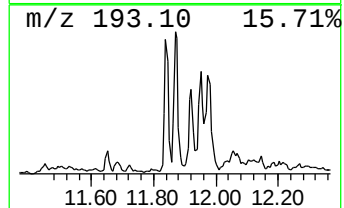
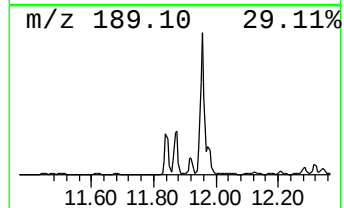
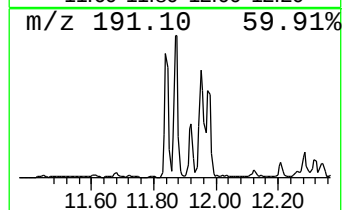
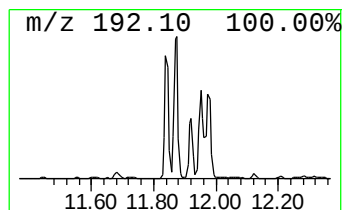
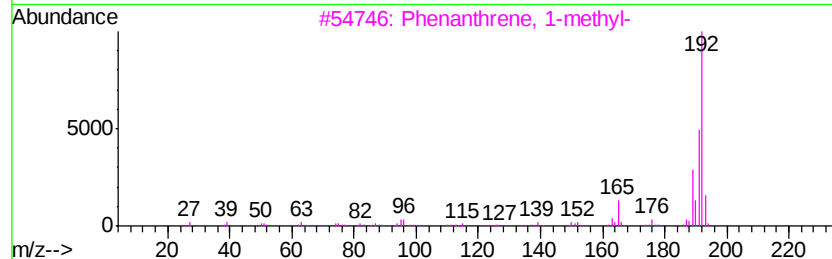
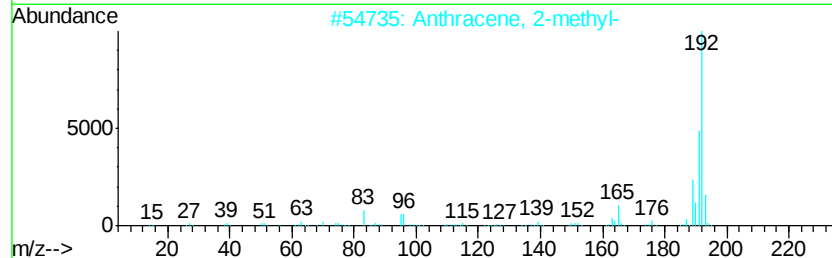
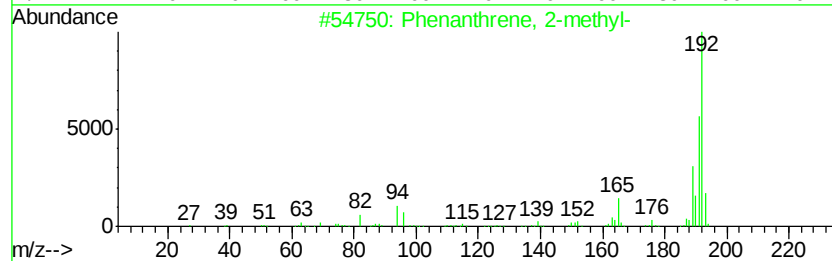
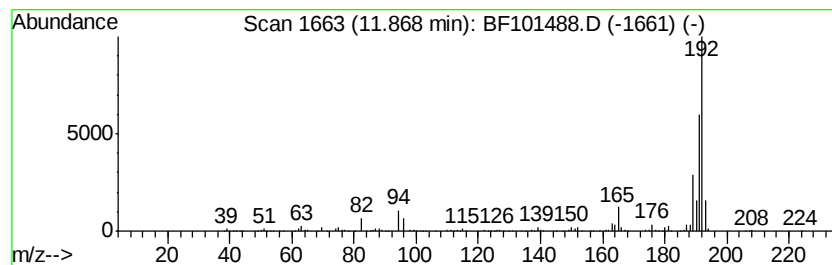
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	16.87 ng	741541	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101488.D
Acq On : 18 Dec 2017 18:42
Operator : SJ/JU
Sample : I6677-05 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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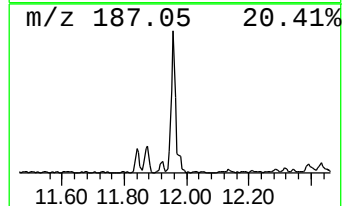
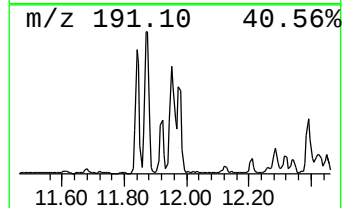
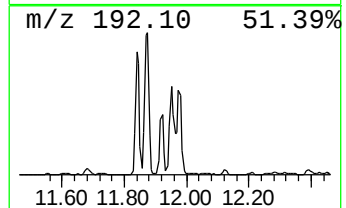
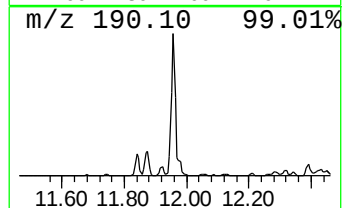
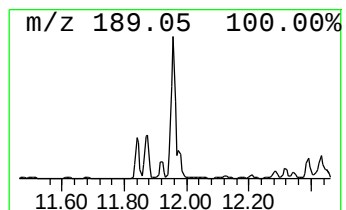
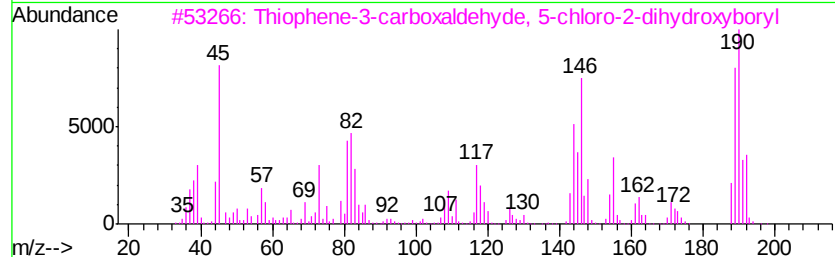
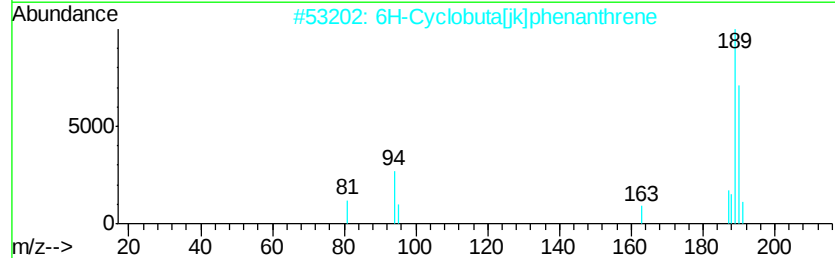
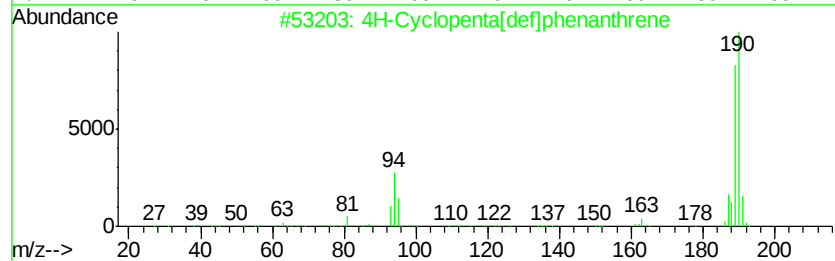
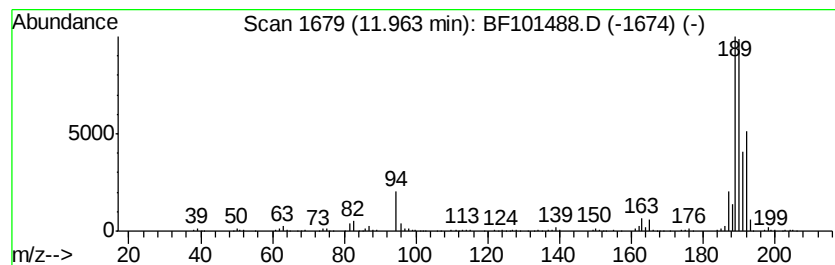
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	25.09 ng	1103110	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4		Methyl diselenide	190	C2H6Se2	007101-31-7	46
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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Sample : I6677-05 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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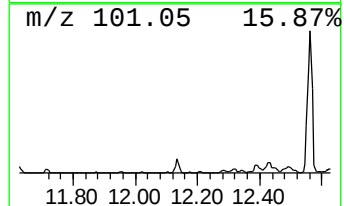
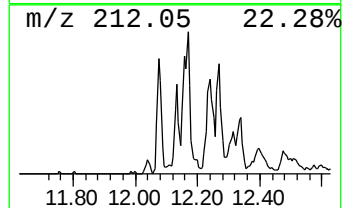
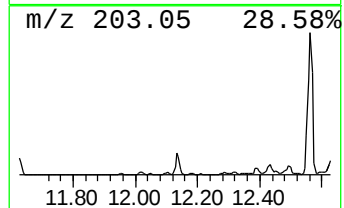
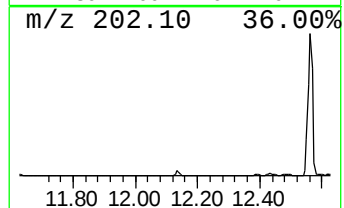
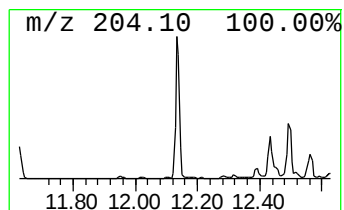
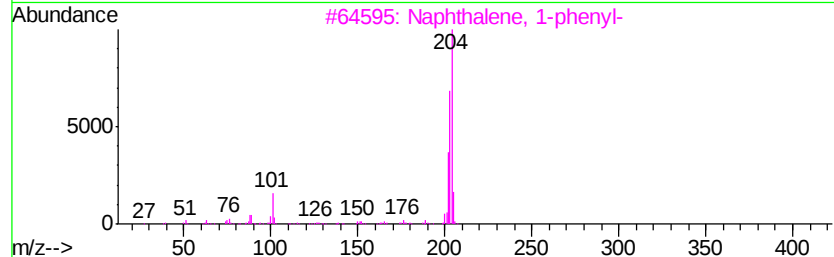
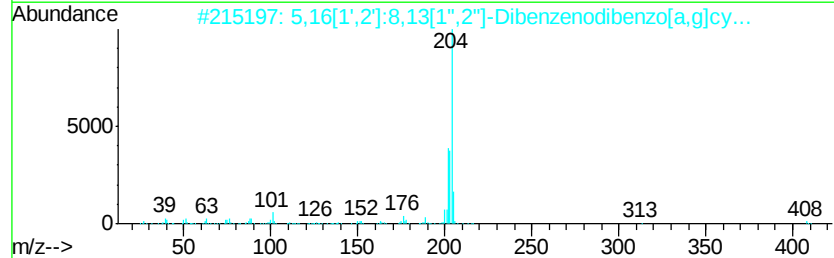
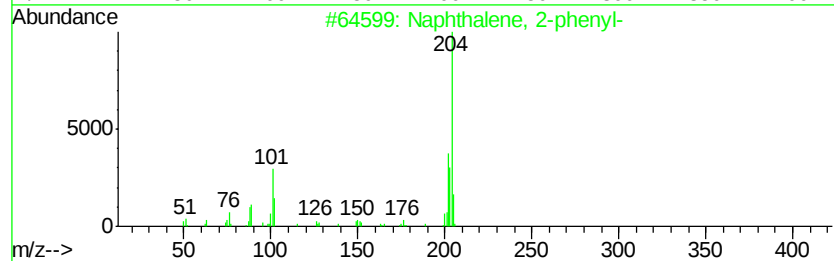
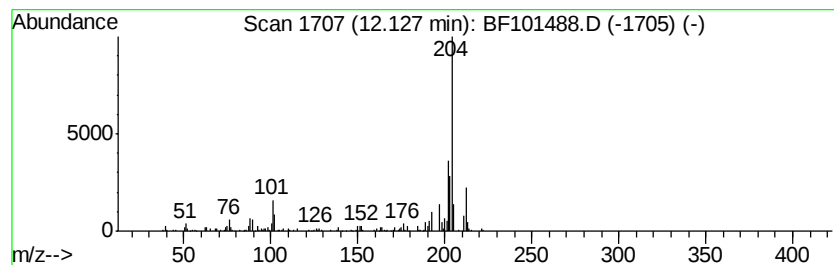
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	9.11 ng	400390	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
4			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5			1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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Acq On : 18 Dec 2017 18:42
Operator : SJ/JU
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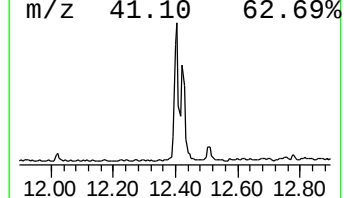
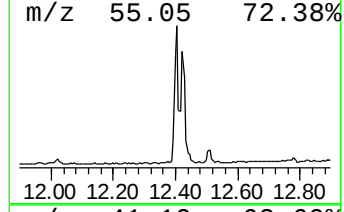
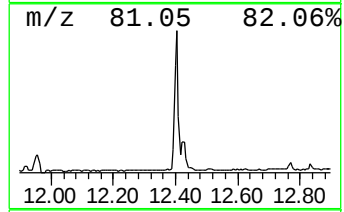
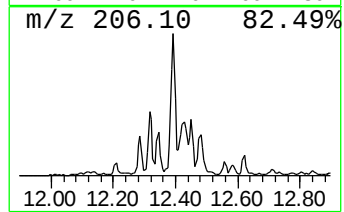
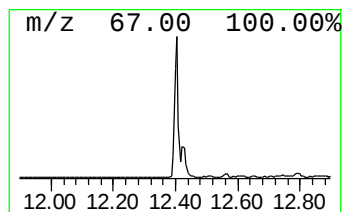
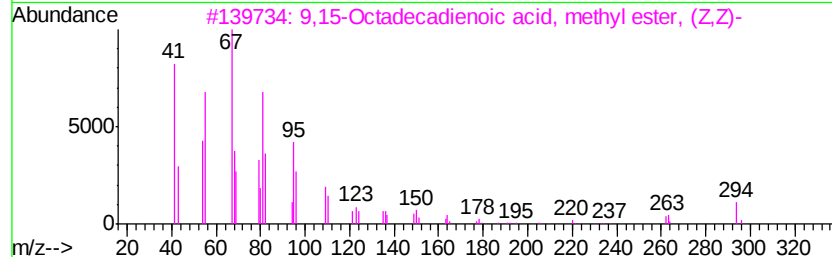
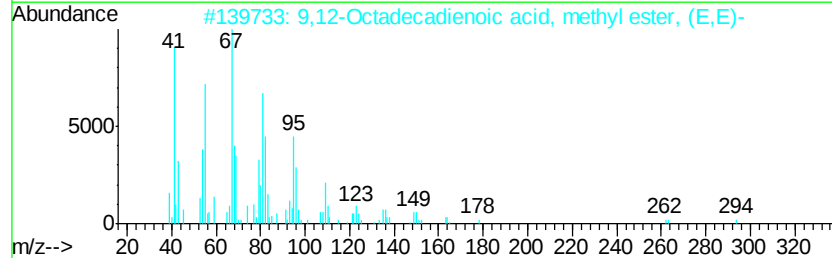
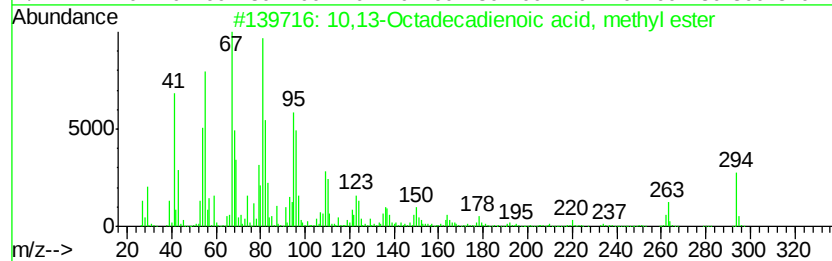
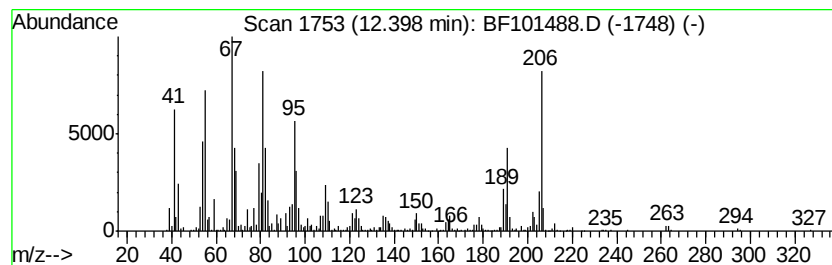
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 10,13-Octadecadienoic acid,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	35.02 ng	1539740	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
2		9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
3		9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4		9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5		Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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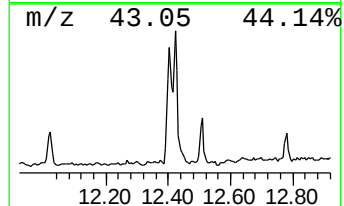
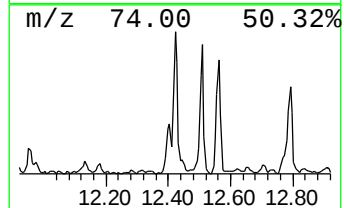
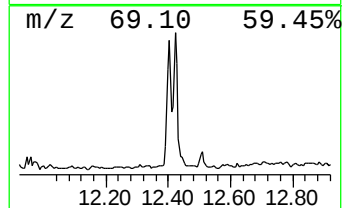
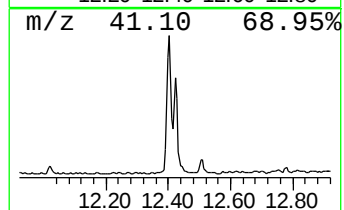
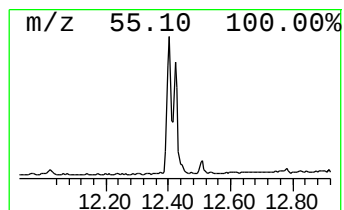
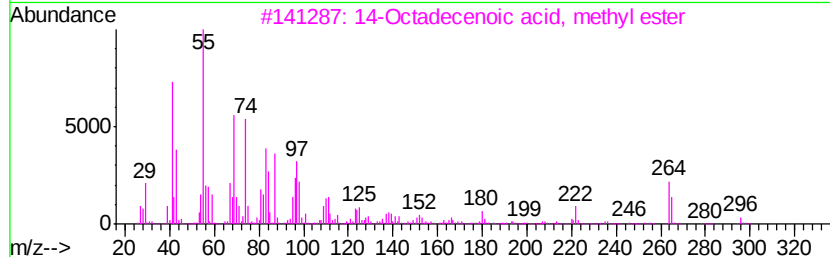
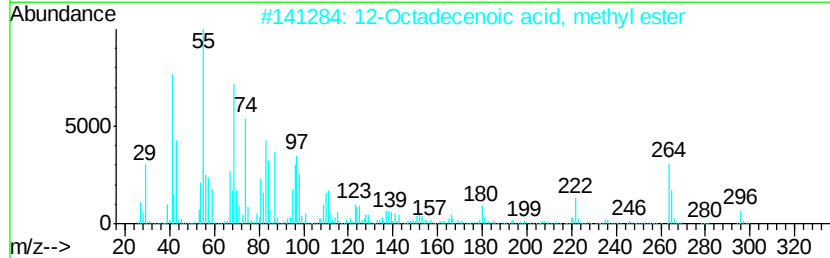
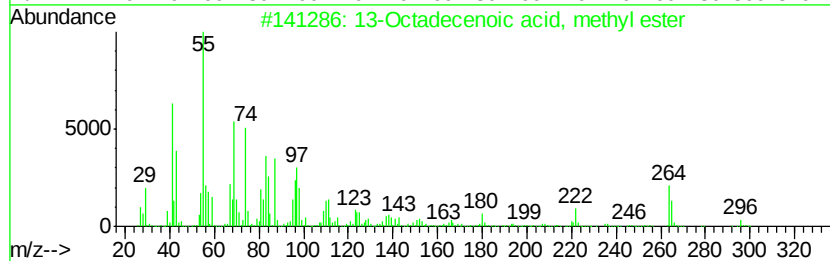
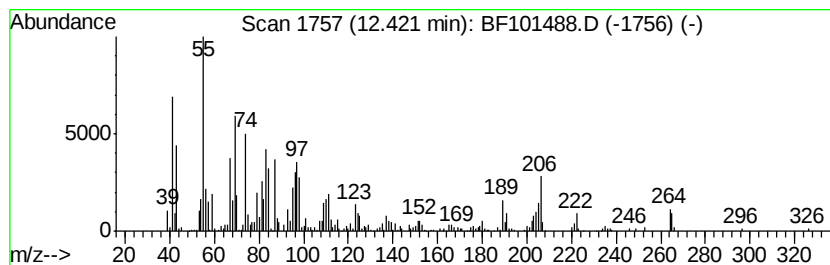
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 13-Octadecenoic acid, methyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	13.18 ng	579631	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
2		12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
3		14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
4		8-Octadecenoic acid, methyl ester	296	C19H36O2	026528-50-7	98
5		10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	98



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101488.D
Acq On : 18 Dec 2017 18:42
Operator : SJ/JU
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Misc :
ALS Vial : 17 Sample Multiplier: 1

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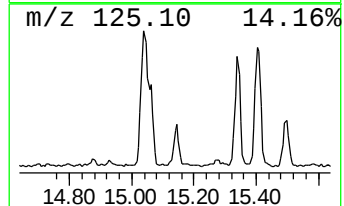
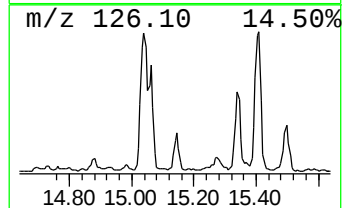
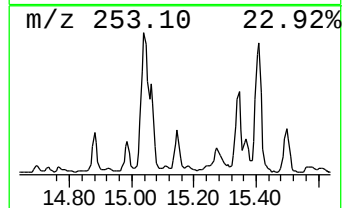
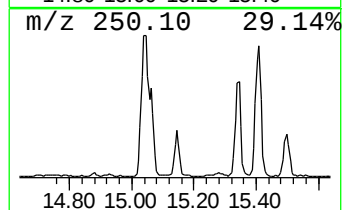
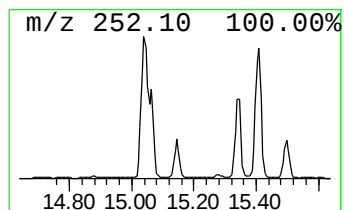
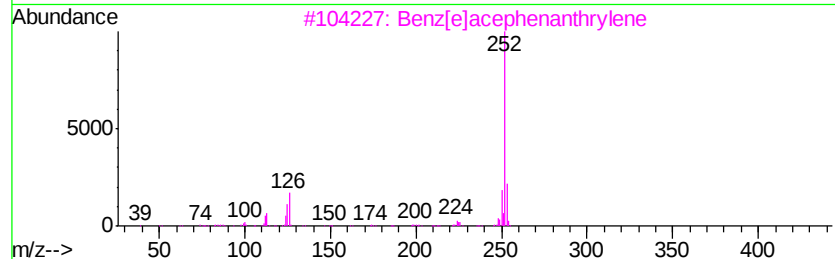
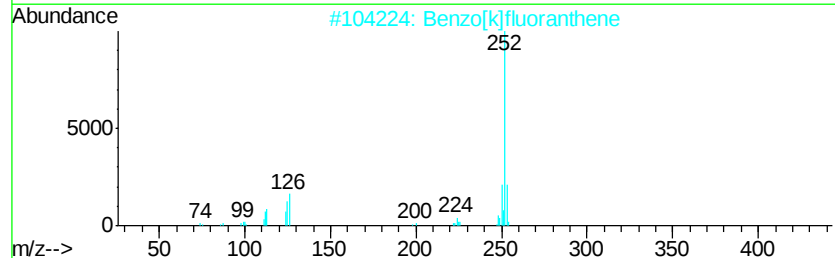
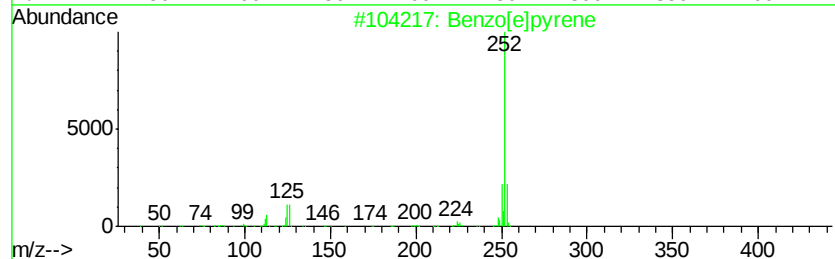
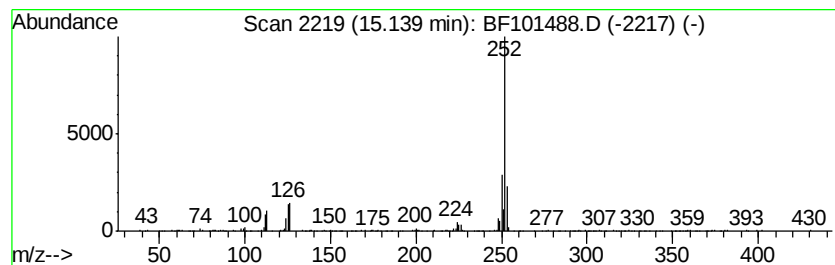
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	10.34 ng	324962	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	91
5		Perylene	252	C20H12	000198-55-0	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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 Acq On : 18 Dec 2017 18:42
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 Sample : I6677-05 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.58	6.58	14.8	ng	642833	1	6.81	866476	20.0
Naphthalene, 1-me...	8.90	12.1	ng	677054	2	8.09	1122710	20.0
Naphthalene, 2,6-...	9.43	8.6	ng	424734	3	9.85	985593	20.0
Naphthalene, 2,3-...	9.50	10.4	ng	510187	3	9.85	985593	20.0
Naphthalene, 1,5-...	9.62	6.0	ng	297840	3	9.85	985593	20.0
9H-Fluorene, 1-me...	10.95	7.3	ng	320702	4	11.34	879344	20.0
Dibenzothiophene	11.23	7.9	ng	347402	4	11.34	879344	20.0
1-Methyldibenzoth...	11.67	6.0	ng	265007	4	11.34	879344	20.0
Hexadecanoic acid...	11.72	7.4	ng	325866	4	11.34	879344	20.0
Phenanthrene, 2-m...	11.84	14.9	ng	654471	4	11.34	879344	20.0
Anthracene, 2-met...	11.87	16.9	ng	741541	4	11.34	879344	20.0
4H-Cyclopenta[def...	11.96	25.1	ng	1103110	4	11.34	879344	20.0
Naphthalene, 2-ph...	12.13	9.1	ng	400390	4	11.34	879344	20.0
10,13-Octadecadie...	12.40	35.0	ng	1539740	4	11.34	879344	20.0
13-Octadecenoic a...	12.42	13.2	ng	579631	4	11.34	879344	20.0
Benzo[e]pyrene	15.14	10.3	ng	324962	6	15.47	628390	20.0