

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101813.D
 Acq On : 28 Dec 2017 20:06
 Operator : SJ/JU
 Sample : I7030-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP-BANK-4

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	5.004	492	496	508	rBV	14713	37927	2.18%	0.129%
2	5.416	563	566	594	rBV	291999	693890	39.90%	2.363%
3	6.439	737	740	758	rBV	320028	714724	41.10%	2.434%
4	6.563	758	761	766	rBV	584845	710930	40.88%	2.421%
5	6.781	795	798	814	rBV	770487	806909	46.40%	2.748%
6	6.939	821	825	837	rBV	505448	579950	33.35%	1.975%
7	7.045	841	843	849	rVV	46572	62904	3.62%	0.214%
8	7.098	849	852	859	rVB	38562	48702	2.80%	0.166%
9	7.363	893	897	908	rVV	218720	372000	21.39%	1.267%
10	7.822	967	975	978	rBV4	32965	63588	3.66%	0.217%
11	7.851	978	980	986	rVB3	22499	38446	2.21%	0.131%
12	8.063	1013	1016	1018	rBV	1088446	925159	53.20%	3.150%
13	8.086	1018	1020	1029	rVB	1252080	1151469	66.22%	3.921%
14	8.780	1134	1138	1151	rBV	566865	549623	31.61%	1.872%
15	8.875	1151	1154	1166	rBV	524686	540060	31.06%	1.839%
16	9.133	1195	1198	1205	rBV	674739	622928	35.82%	2.121%
17	9.239	1213	1216	1226	rBV	230799	217207	12.49%	0.740%
18	9.333	1229	1232	1240	rVB	384258	381180	21.92%	1.298%
19	9.410	1240	1245	1249	rBV	177125	249069	14.32%	0.848%
20	9.480	1253	1257	1259	rVV	309133	328447	18.89%	1.118%
21	9.510	1259	1262	1265	rVV	125658	157183	9.04%	0.535%
22	9.539	1265	1267	1273	rVV2	58589	83826	4.82%	0.285%
23	9.598	1273	1277	1285	rVB	142135	172117	9.90%	0.586%
24	9.686	1288	1292	1297	rVB2	165216	174695	10.05%	0.595%
25	9.816	1308	1314	1317	rBV2	848229	898417	51.67%	3.059%
26	9.851	1317	1320	1328	rVV	1317795	1198024	68.90%	4.079%
27	9.922	1328	1332	1337	rVV	90936	119946	6.90%	0.408%
28	10.016	1345	1348	1353	rVV3	78587	128522	7.39%	0.438%
29	10.063	1353	1356	1359	rVB	77039	72401	4.16%	0.247%
30	10.133	1364	1368	1371	rBV	85610	94364	5.43%	0.321%
31	10.169	1371	1374	1376	rBV	39073	38664	2.22%	0.132%
32	10.227	1379	1384	1390	rBV4	62517	104453	6.01%	0.356%
33	10.280	1390	1393	1397	rBV	125881	138062	7.94%	0.470%
34	10.339	1401	1403	1405	rBV	84985	73731	4.24%	0.251%

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35	10.369	1405	1408	1415	rVB	481275	455683	26.21%	1.552%
36	10.433	1415	1419	1420	rBV	47078	57281	3.29%	0.195%
37	10.451	1420	1422	1425	rVV2	65907	59269	3.41%	0.202%
38	10.480	1425	1427	1429	rVV	117901	95233	5.48%	0.324%
39	10.504	1429	1431	1434	rVV	46356	51723	2.97%	0.176%
40	10.557	1438	1440	1444	rVB	52491	45759	2.63%	0.156%
41	10.598	1444	1447	1449	rBV	125112	127026	7.31%	0.433%
42	10.621	1449	1451	1456	rVB	221262	222777	12.81%	0.759%
43	10.710	1462	1466	1468	rBV3	27078	38285	2.20%	0.130%
44	10.733	1468	1470	1473	rVB2	38139	35110	2.02%	0.120%
45	10.921	1497	1502	1504	rVV	116886	164248	9.45%	0.559%
46	10.951	1504	1507	1509	rVV	73582	72085	4.15%	0.245%
47	10.998	1513	1515	1518	rVB	68733	60128	3.46%	0.205%
48	11.121	1533	1536	1540	rVB	46480	40647	2.34%	0.138%
49	11.210	1548	1551	1559	rVB	107455	127553	7.34%	0.434%
50	11.310	1565	1568	1570	rBV	775192	701743	40.36%	2.390%
51	11.339	1570	1573	1579	rVB	1892768	1738863	100.00%	5.921%
52	11.392	1579	1582	1586	rBV	497469	462398	26.59%	1.575%
53	11.598	1614	1617	1620	rVB	70837	62204	3.58%	0.212%
54	11.651	1623	1626	1633	rVB4	49036	65597	3.77%	0.223%
55	11.816	1650	1654	1656	rBV	340158	312094	17.95%	1.063%
56	11.845	1656	1659	1664	rVV	376099	345028	19.84%	1.175%
57	11.892	1664	1667	1670	rVV	170932	157735	9.07%	0.537%
58	11.927	1670	1673	1675	rVV	518475	544021	31.29%	1.852%
59	11.951	1675	1677	1681	rVB	220606	198859	11.44%	0.677%
60	12.110	1700	1704	1708	rBV	196061	197962	11.38%	0.674%
61	12.257	1726	1729	1732	rBV	61315	50211	2.89%	0.171%
62	12.292	1732	1735	1737	rVB	50326	37880	2.18%	0.129%
63	12.363	1743	1747	1750	rBV	242196	235285	13.53%	0.801%
64	12.404	1750	1754	1756	rVV2	87242	90089	5.18%	0.307%
65	12.427	1756	1758	1760	rVB2	67269	47690	2.74%	0.162%
66	12.451	1760	1762	1764	rBV	31333	38072	2.19%	0.130%
67	12.533	1772	1776	1781	rBV	997115	1005068	57.80%	3.422%
68	12.592	1784	1786	1789	rVV	45540	39975	2.30%	0.136%
69	12.627	1789	1792	1798	rVV	404611	354804	20.40%	1.208%
70	12.704	1803	1805	1809	rVB	84167	71222	4.10%	0.243%
71	12.762	1809	1815	1821	rBV	1451196	1417168	81.50%	4.826%

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72	12.815	1821	1824	1827	rVB2	52342	56310	3.24%	0.192%
73	12.892	1833	1837	1840	rBV	507382	463640	26.66%	1.579%
74	12.980	1847	1852	1857	rVB	115990	165737	9.53%	0.564%
75	13.092	1868	1871	1875	rVB	236230	250582	14.41%	0.853%
76	13.157	1879	1882	1886	rVV	238140	221383	12.73%	0.754%
77	13.198	1886	1889	1892	rVV	157450	168695	9.70%	0.574%
78	13.262	1896	1900	1902	rBV	166513	192727	11.08%	0.656%
79	13.286	1902	1904	1907	rVV	153638	166251	9.56%	0.566%
80	13.321	1907	1910	1916	rVB	163649	203708	11.72%	0.694%
81	13.515	1941	1943	1949	rVB2	38570	48548	2.79%	0.165%
82	13.574	1949	1953	1956	rBV2	43567	74366	4.28%	0.253%
83	13.692	1971	1973	1975	rBV2	55610	56245	3.23%	0.192%
84	13.733	1975	1980	1983	rVB2	135770	170439	9.80%	0.580%
85	13.768	1983	1986	1989	rBV	121762	123585	7.11%	0.421%
86	13.962	2014	2019	2022	rBV2	1190499	1591735	91.54%	5.420%
87	13.992	2022	2024	2030	rVB	425276	406411	23.37%	1.384%
88	14.074	2035	2038	2041	rVB2	63580	58312	3.35%	0.199%
89	14.315	2076	2079	2080	rBV	40631	33190	1.91%	0.113%
90	14.351	2083	2085	2089	rVV2	123539	140493	8.08%	0.478%
91	14.386	2089	2091	2094	rVB	62150	51315	2.95%	0.175%
92	14.427	2095	2098	2100	rBV	64689	57661	3.32%	0.196%
93	14.480	2105	2107	2108	rBV2	50835	42108	2.42%	0.143%
94	15.009	2193	2197	2211	rBV	274582	537542	30.91%	1.830%
95	15.121	2213	2216	2222	rVB	90983	116833	6.72%	0.398%
96	15.309	2244	2248	2253	rVB	204156	231698	13.32%	0.789%
97	15.374	2255	2259	2264	rBV	372824	465116	26.75%	1.584%
98	15.433	2265	2269	2273	rBV	537553	655089	37.67%	2.231%
99	15.792	2328	2330	2337	rVB4	54721	72888	4.19%	0.248%
100	17.374	2595	2599	2609	rVB	73364	168272	9.68%	0.573%

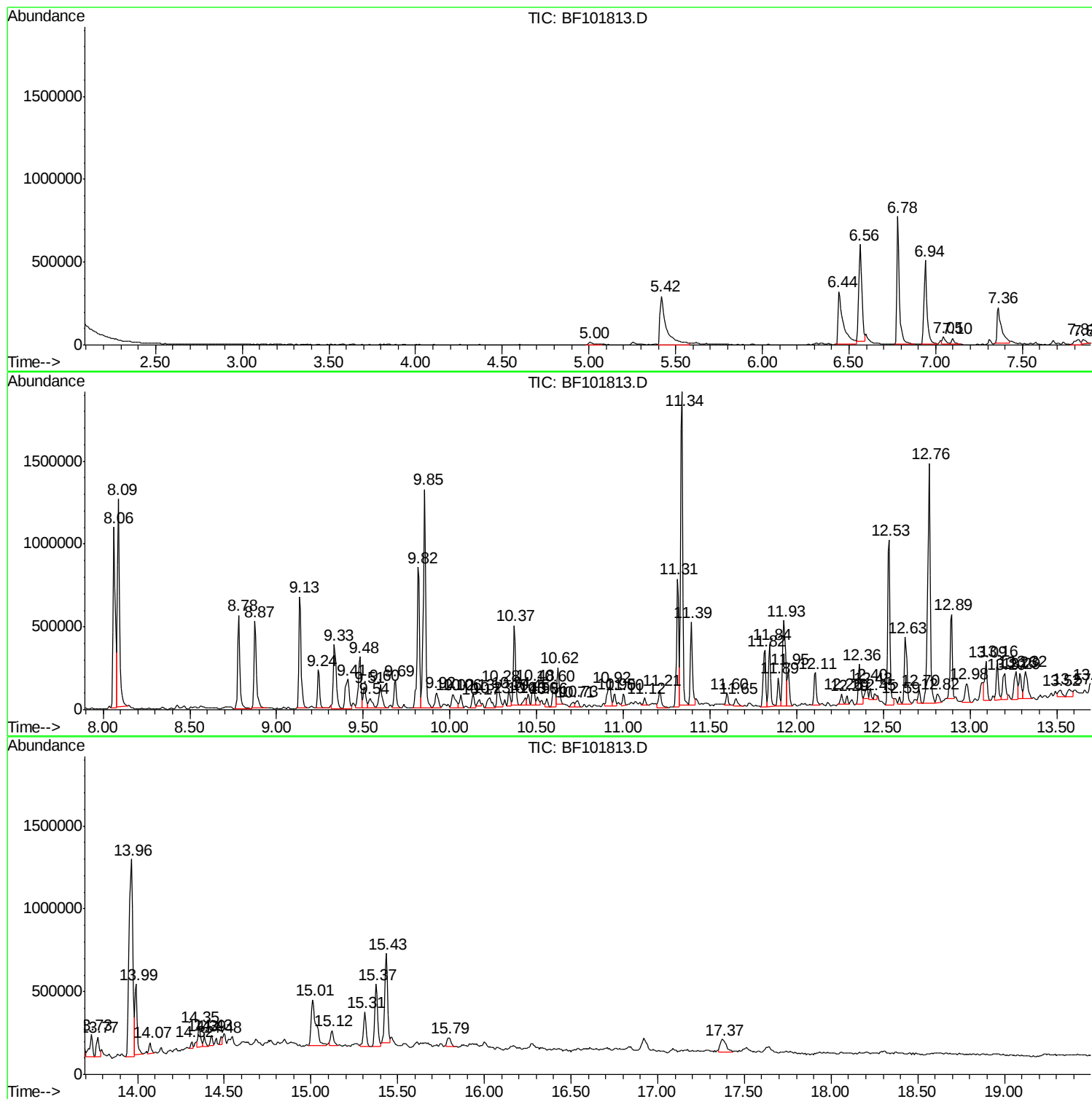
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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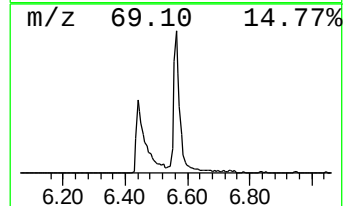
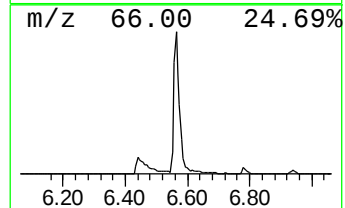
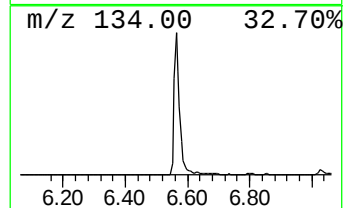
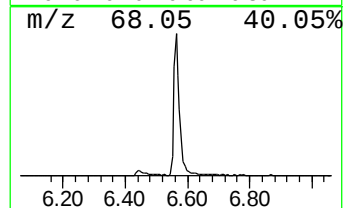
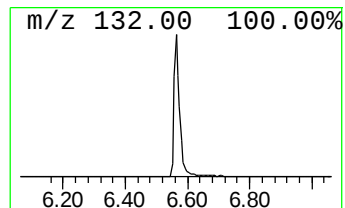
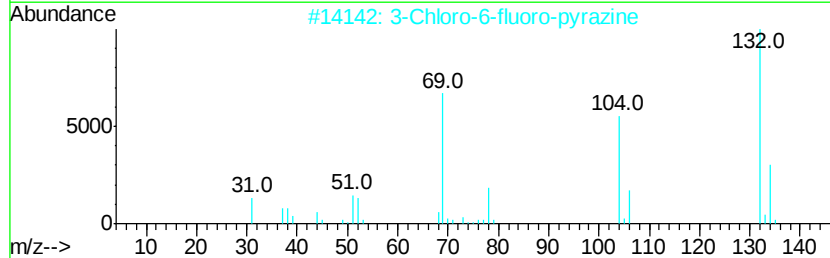
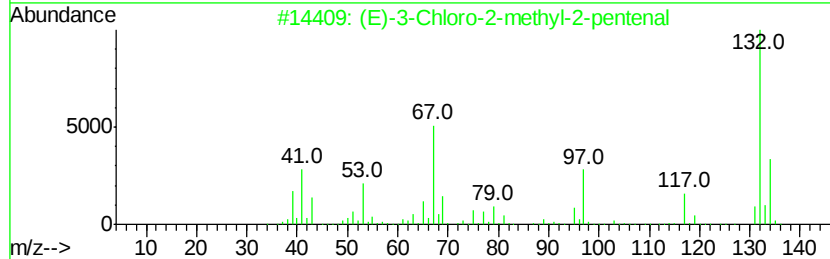
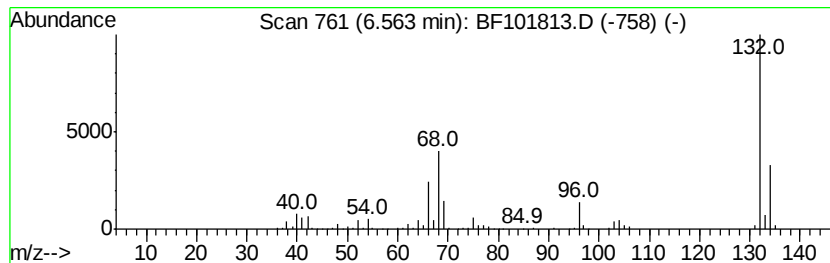
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	17.62 ng	710930	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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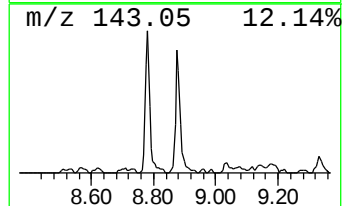
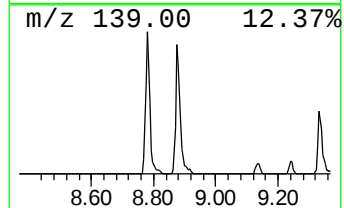
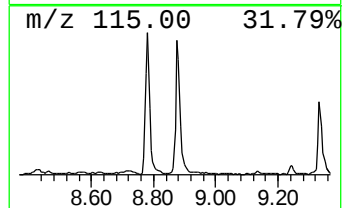
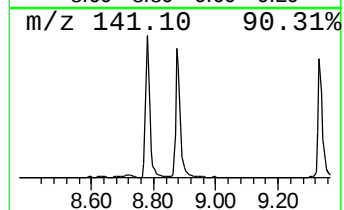
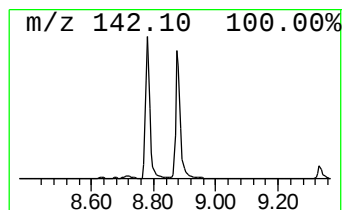
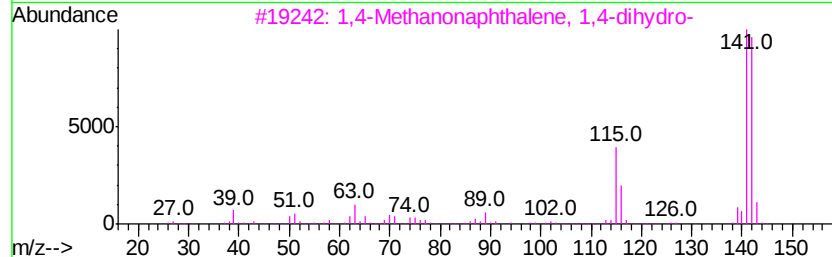
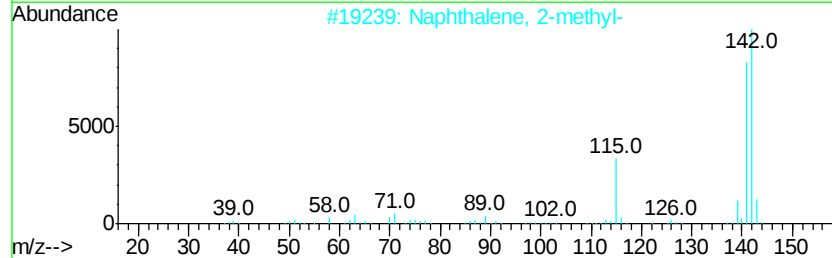
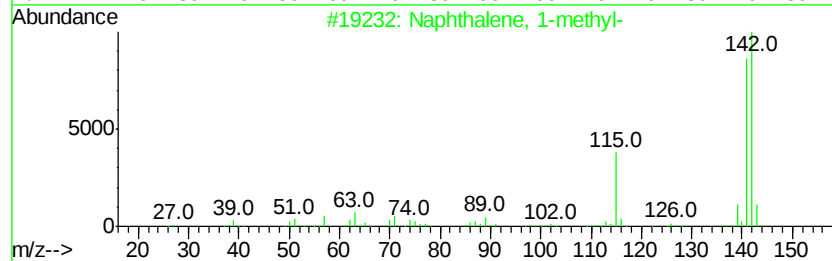
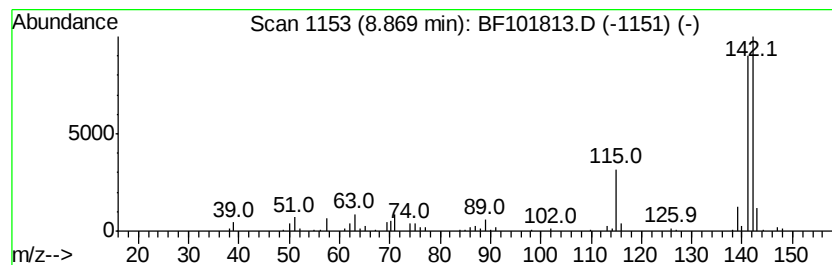
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	11.68 ng	540060	Naphthalene-d8	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64



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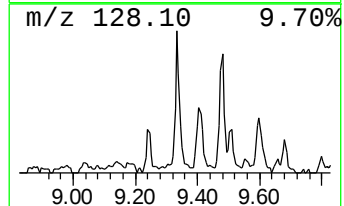
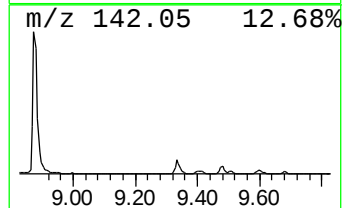
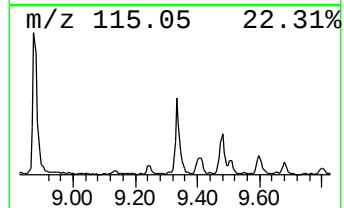
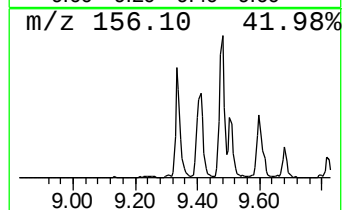
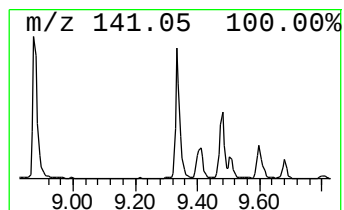
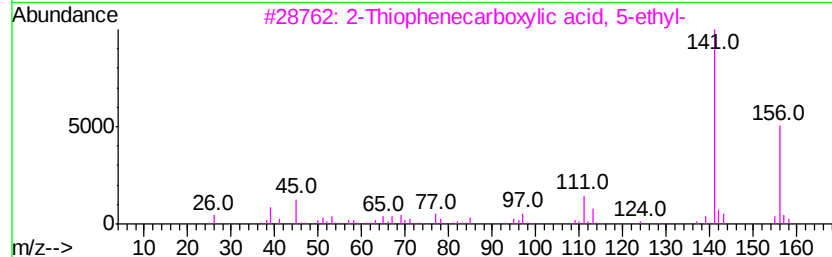
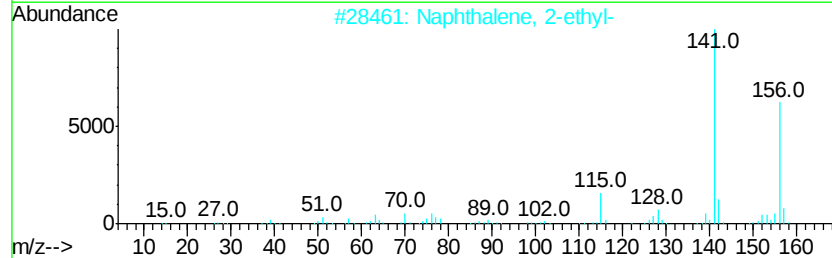
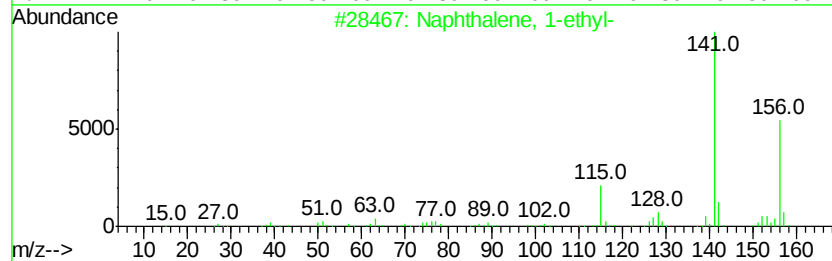
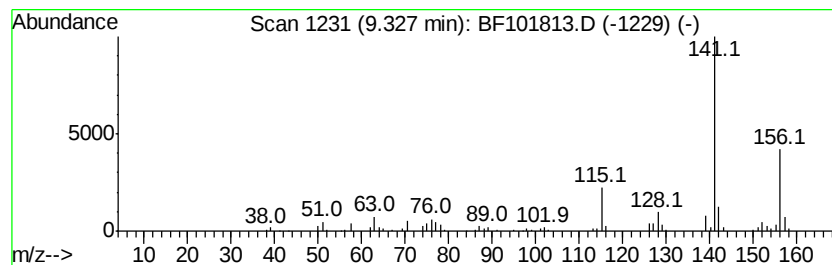
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.33	8.49 ng	381180	Acenaphthene-d10	9.82		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3		2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	72
4		5-Acetyl-2-amino-4-methylthiazole	156	C6H8N2OS	030748-47-1	59
5		1-Ethanone, 1-[4-(1-naphthalenyl)...]	276	C19H16O2	1000338-30-5	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122817\
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Operator : SJ/JU
Sample : I7030-01 5X
Misc :
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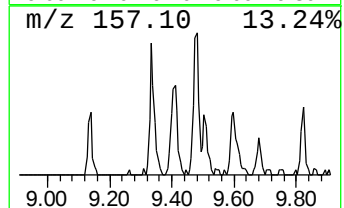
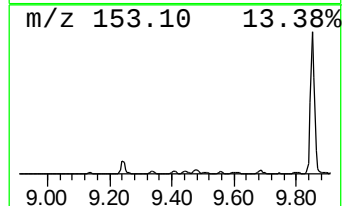
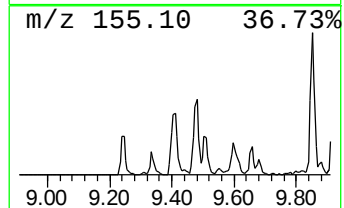
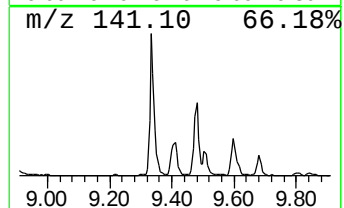
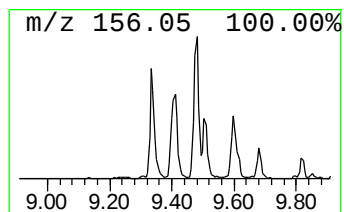
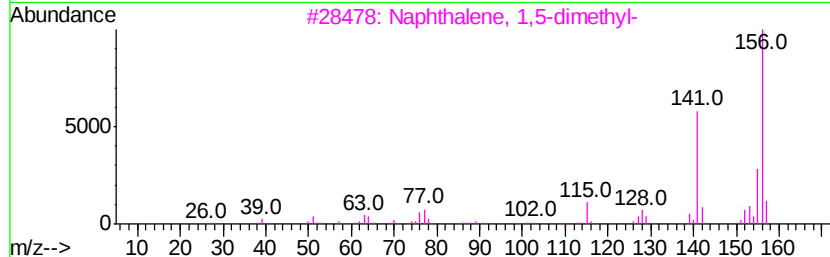
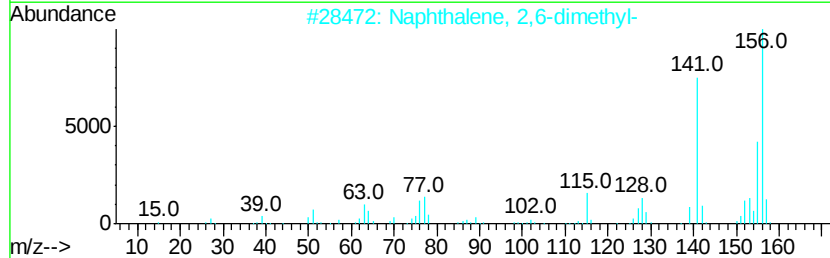
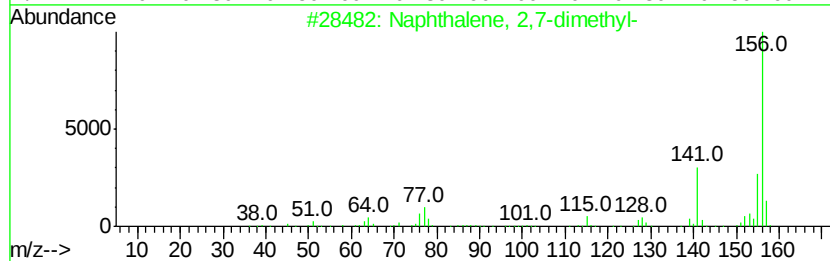
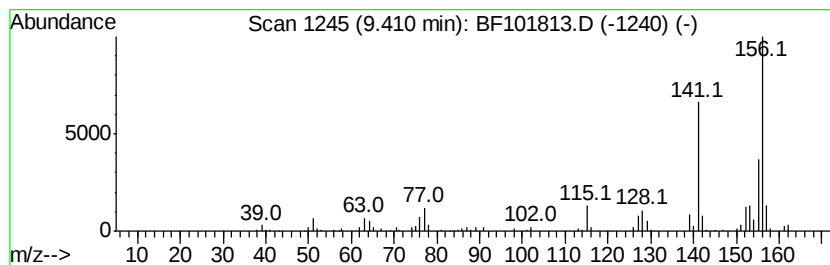
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.41	5.54 ng	249069	Acenaphthene-d10	9.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101813.D
Acq On : 28 Dec 2017 20:06
Operator : SJ/JU
Sample : I7030-01 5X
Misc :
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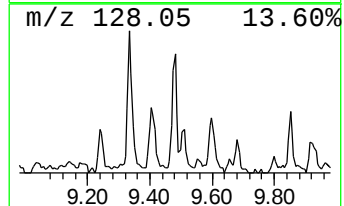
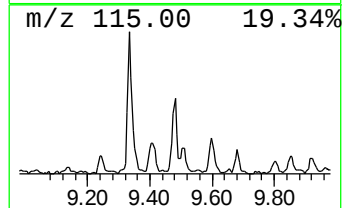
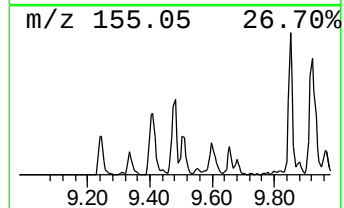
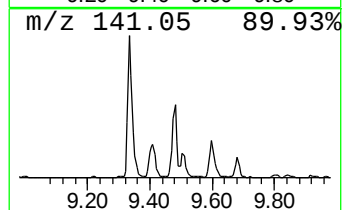
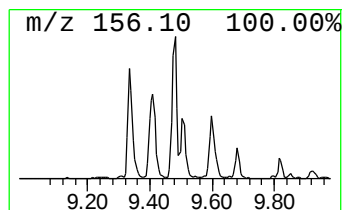
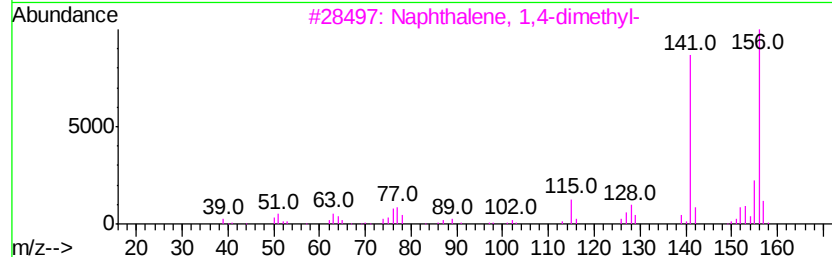
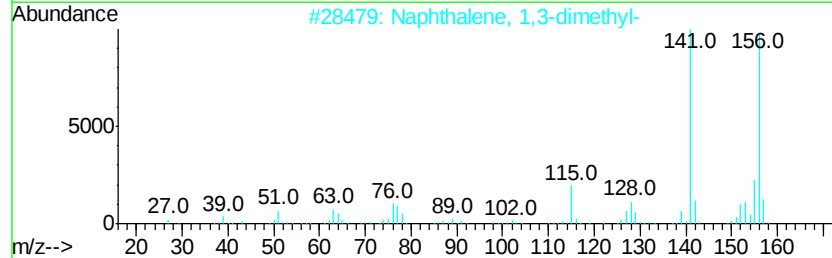
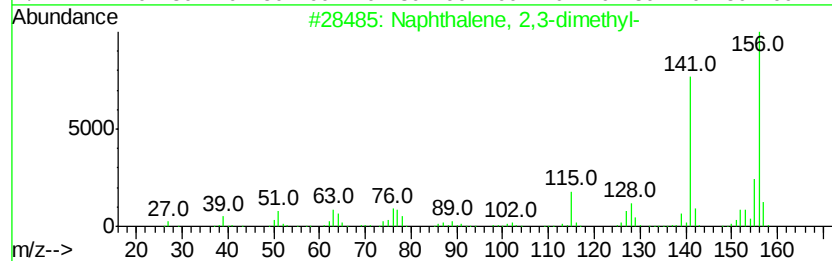
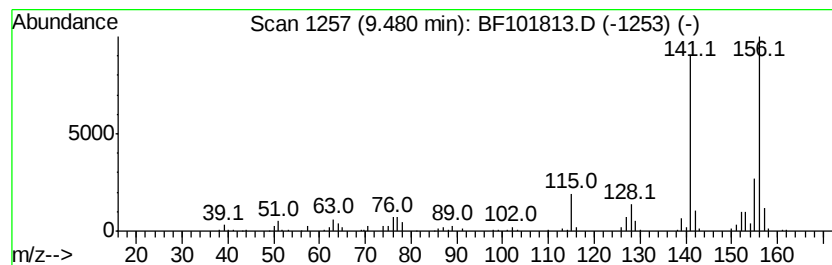
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ClientSampleId :
CS-TP-BANK-4

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, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.48	7.31 ng	328447	Acenaphthene-d10		9.82
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122817\
Data File : BF101813.D
Acq On : 28 Dec 2017 20:06
Operator : SJ/JU
Sample : I7030-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CS-TP-BANK-4

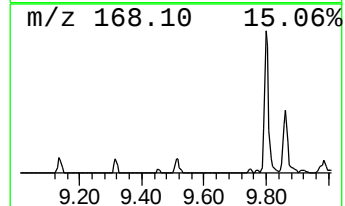
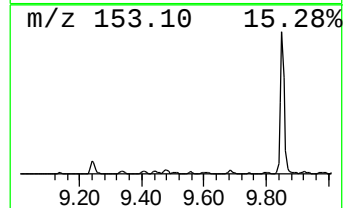
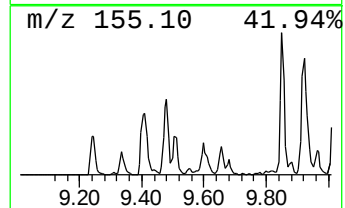
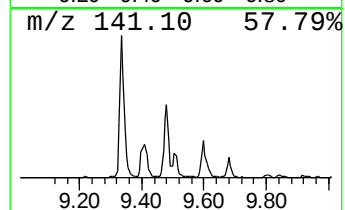
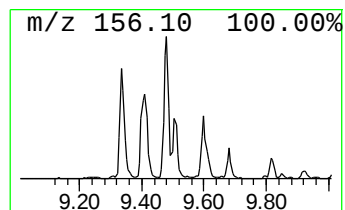
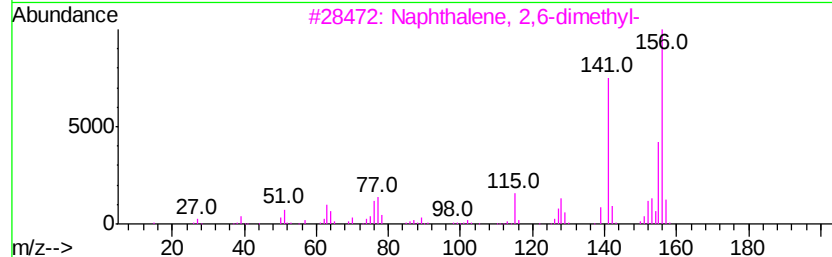
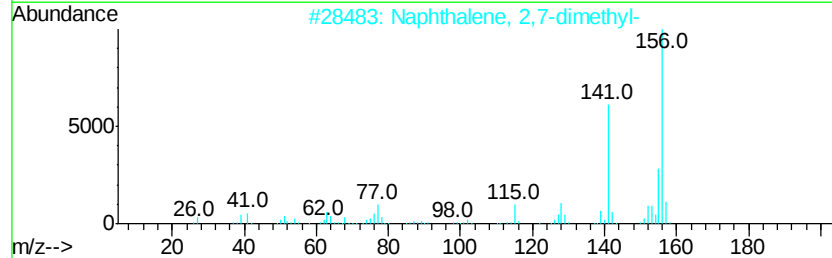
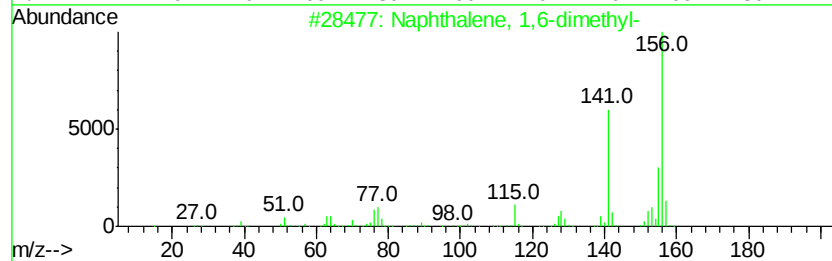
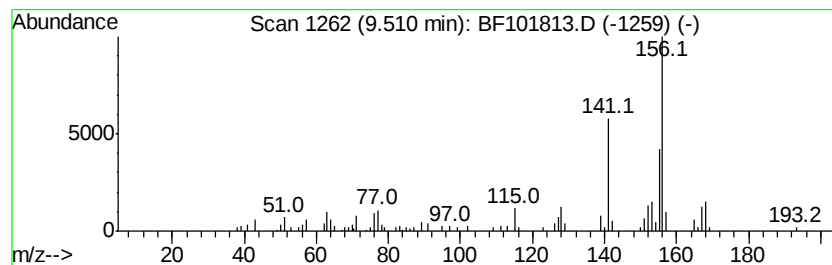
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	3.50 ng	157183	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	90
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101813.D
Acq On : 28 Dec 2017 20:06
Operator : SJ/JU
Sample : I7030-01 5X
Misc :
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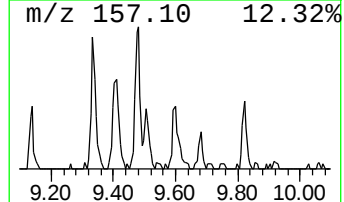
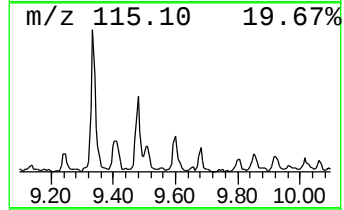
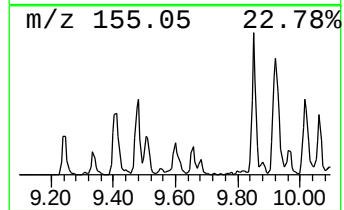
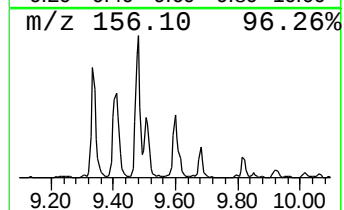
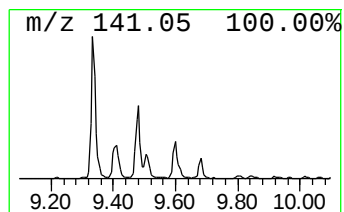
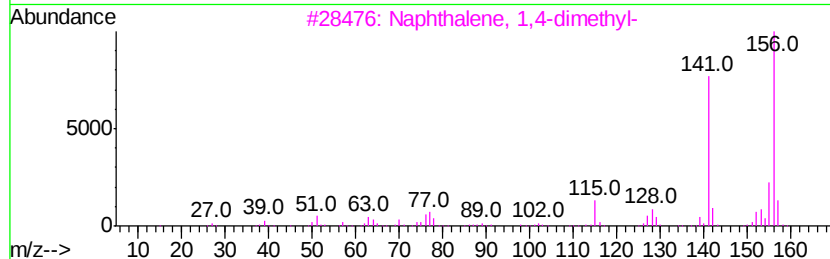
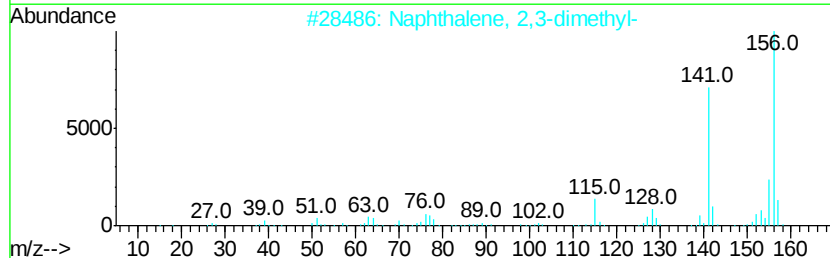
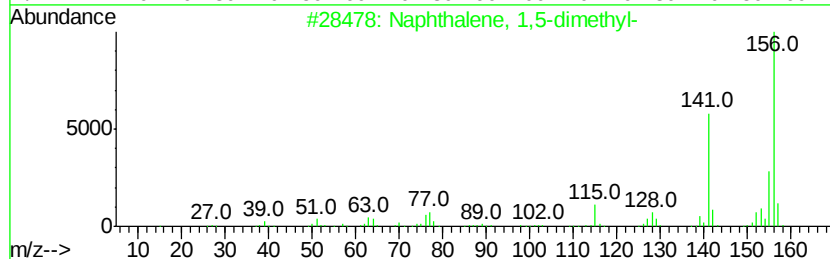
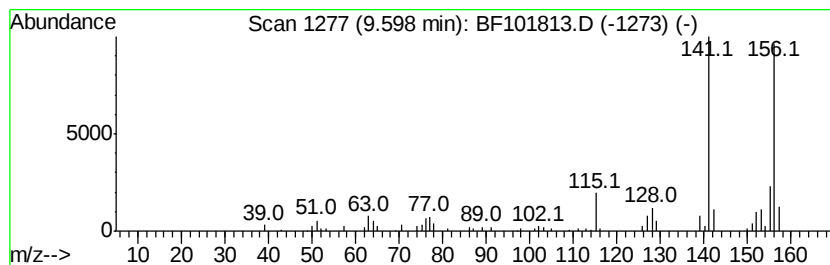
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 1,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	3.83 ng	172117	Acenaphthene-d10	9.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 95
2		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 95
3		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 95
4		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 94
5		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101813.D
Acq On : 28 Dec 2017 20:06
Operator : SJ/JU
Sample : I7030-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CS-TP-BANK-4

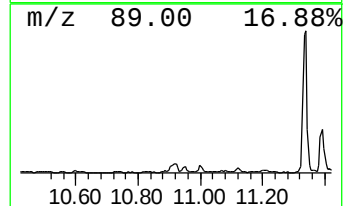
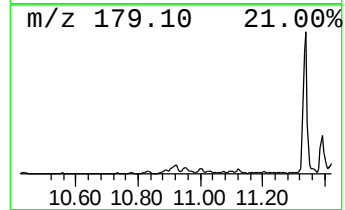
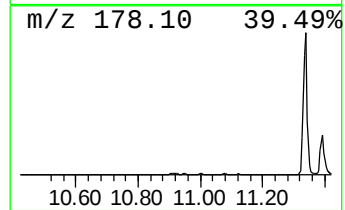
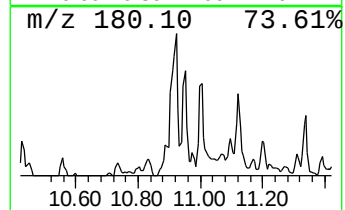
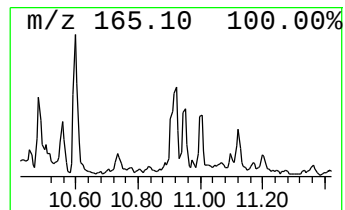
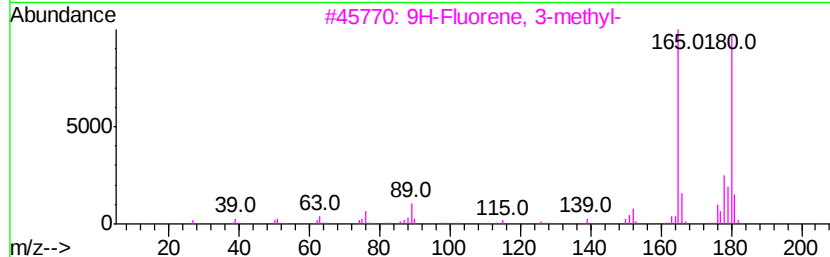
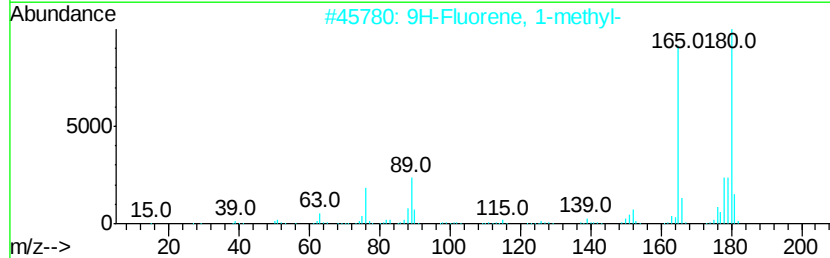
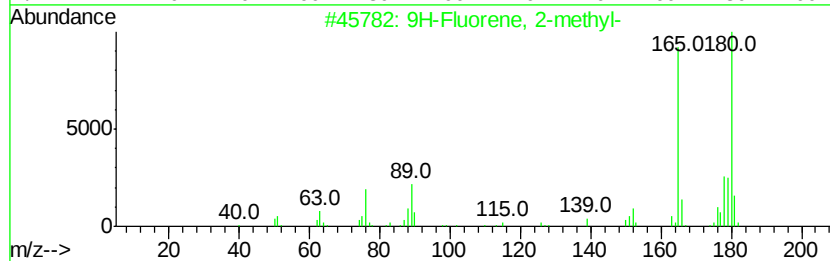
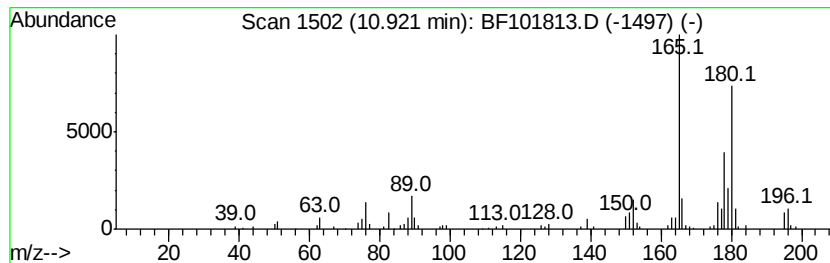
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	4.68 ng	164248	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	94
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122817\
Data File : BF101813.D
Acq On : 28 Dec 2017 20:06
Operator : SJ/JU
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ClientSampleId :
CS-TP-BANK-4

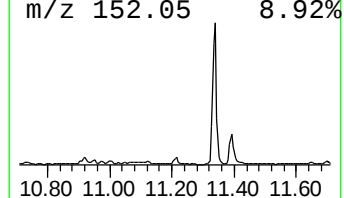
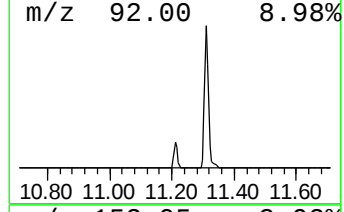
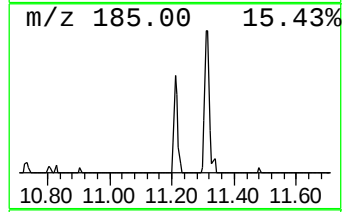
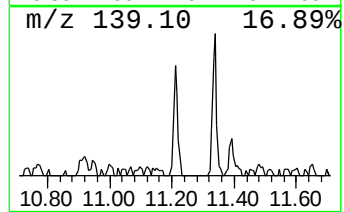
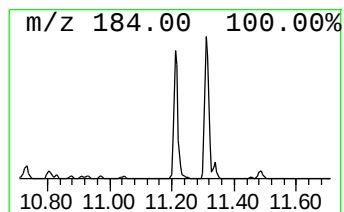
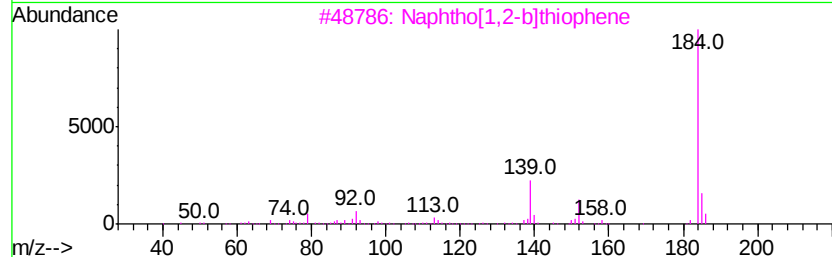
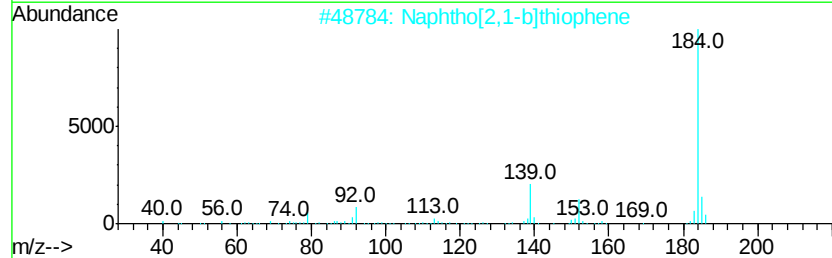
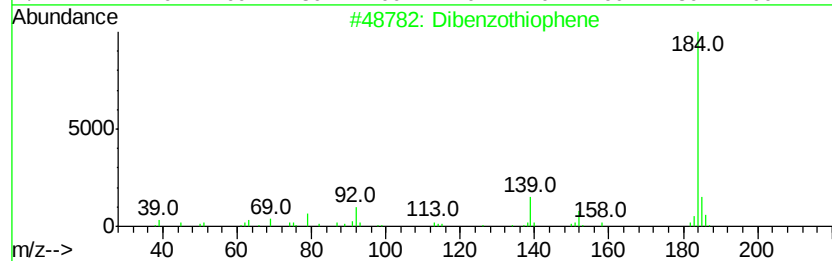
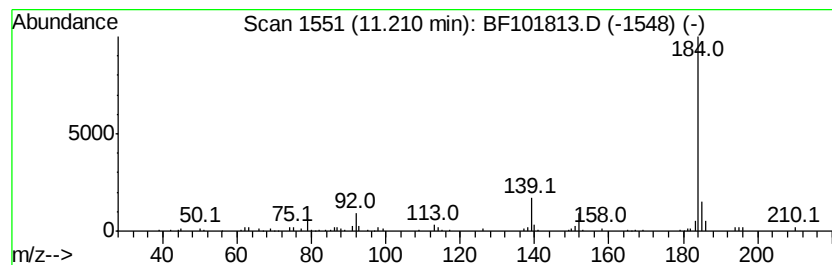
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	3.64 ng	127553	Phenanthrene-d10	11.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	97
2			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101813.D
Acq On : 28 Dec 2017 20:06
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ALS Vial : 20 Sample Multiplier: 1

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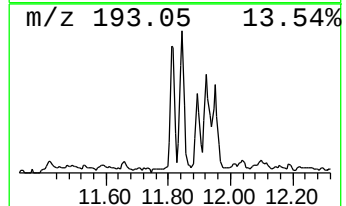
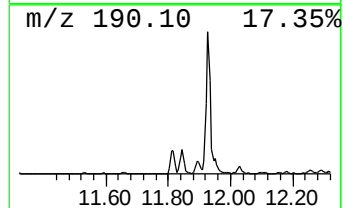
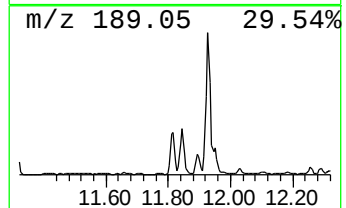
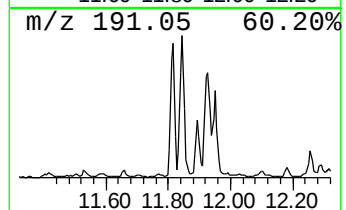
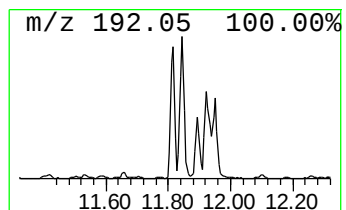
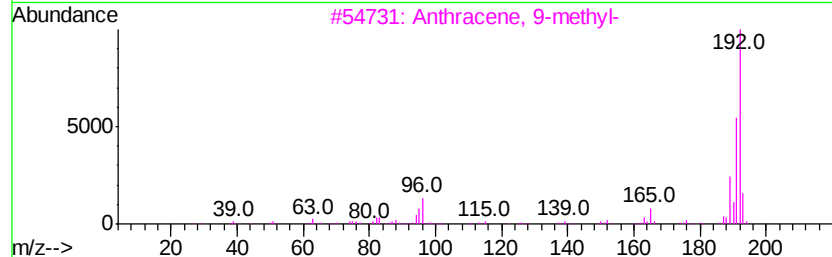
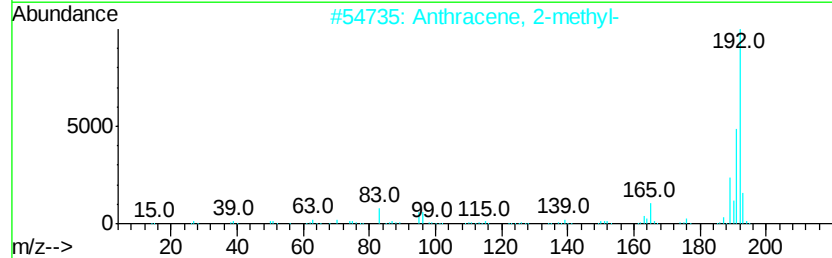
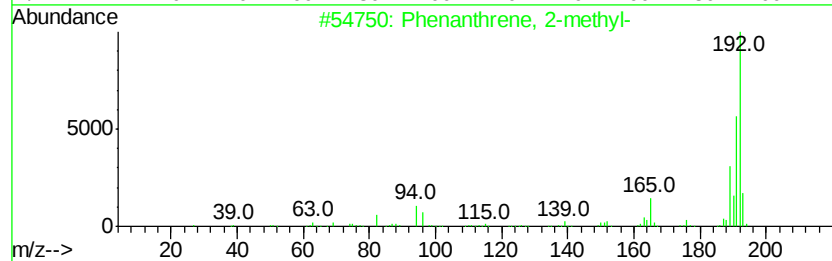
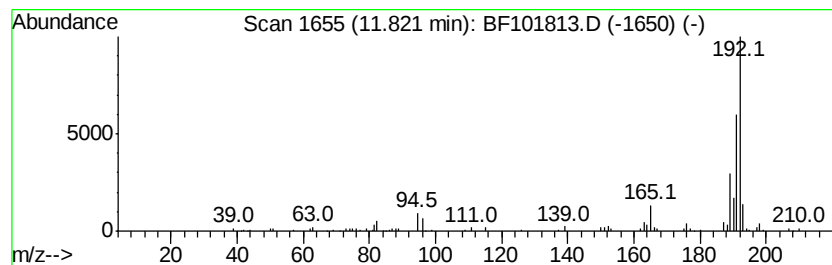
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	8.89 ng	312094	Phenanthrene-d10	11.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5			1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	92



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101813.D
Acq On : 28 Dec 2017 20:06
Operator : SJ/JU
Sample : I7030-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

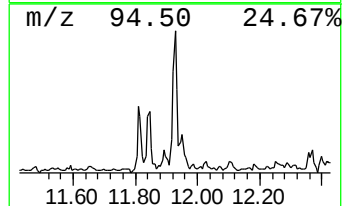
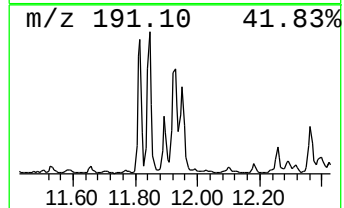
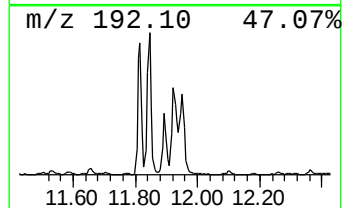
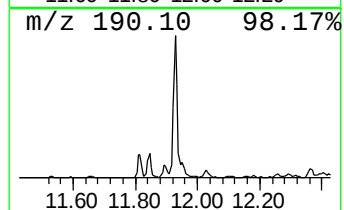
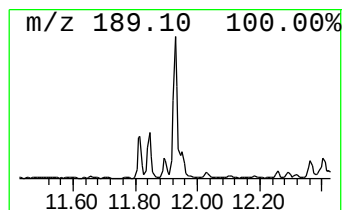
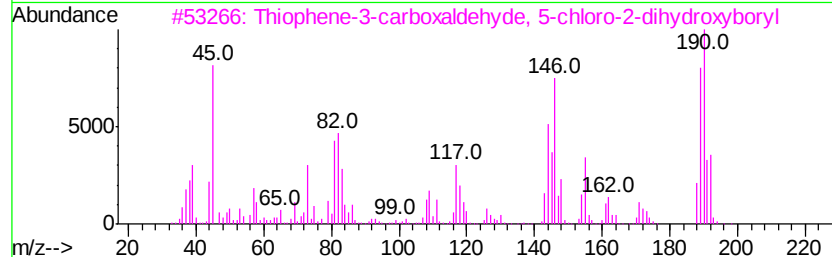
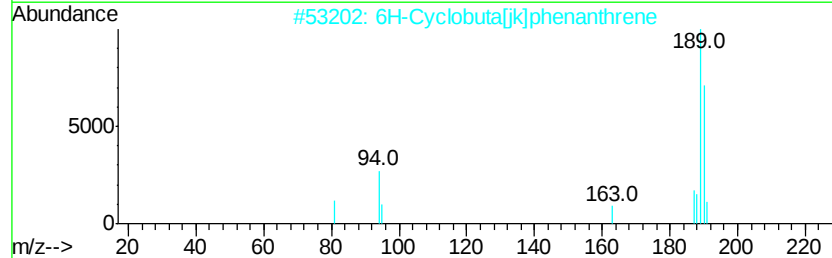
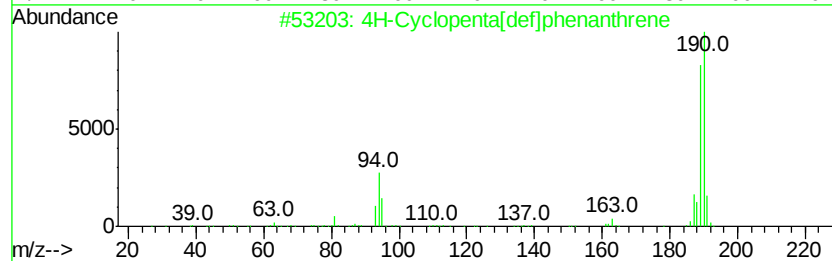
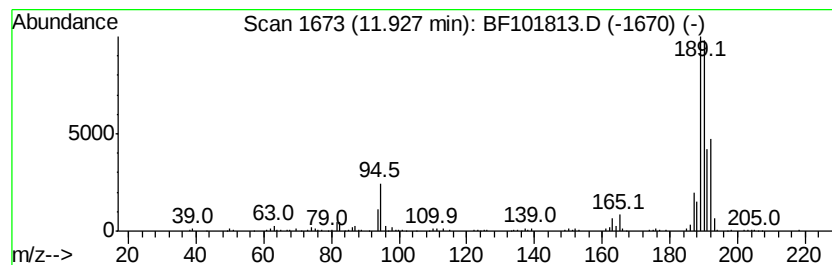
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.93	15.50 ng	544021	Phenanthrene-d10	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	25
5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	23



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122817\
Data File : BF101813.D
Acq On : 28 Dec 2017 20:06
Operator : SJ/JU
Sample : I7030-01 5X
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ALS Vial : 20 Sample Multiplier: 1

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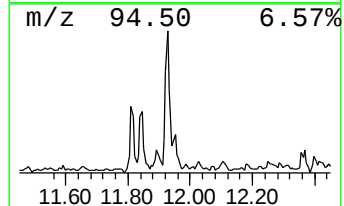
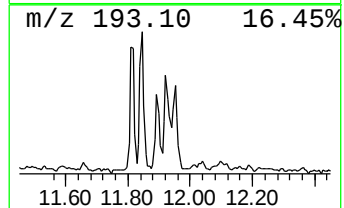
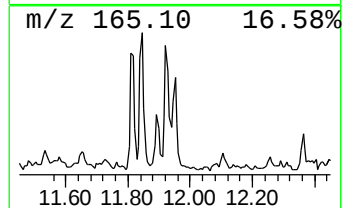
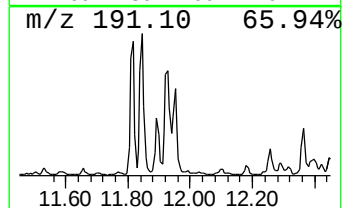
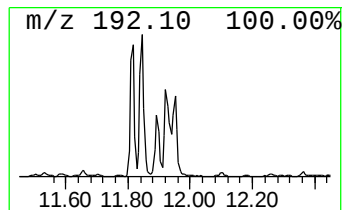
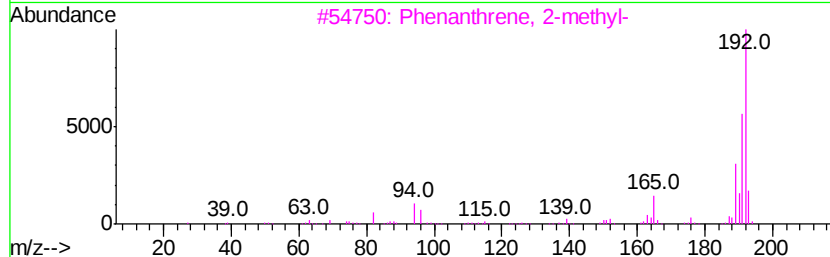
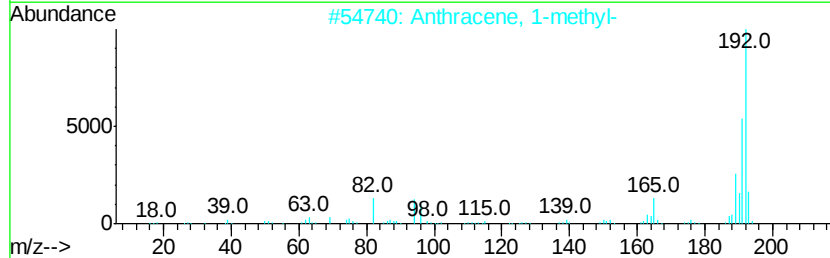
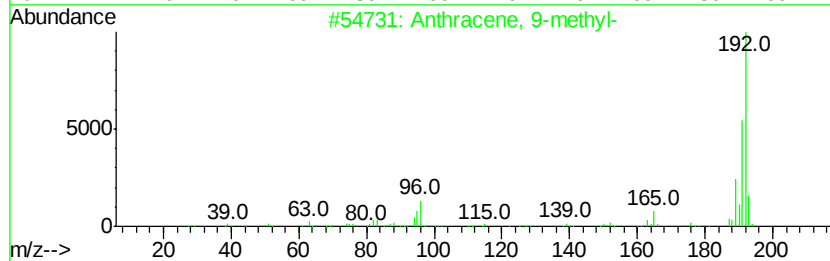
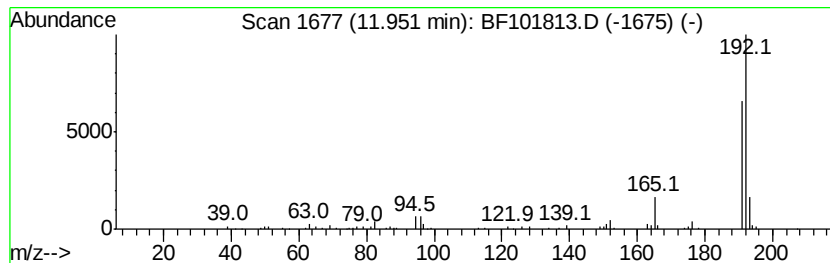
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	5.67 ng	198859	Phenanthrene-d10	11.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5			1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101813.D
Acq On : 28 Dec 2017 20:06
Operator : SJ/JU
Sample : I7030-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CS-TP-BANK-4

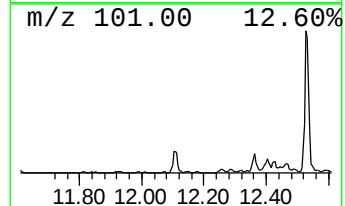
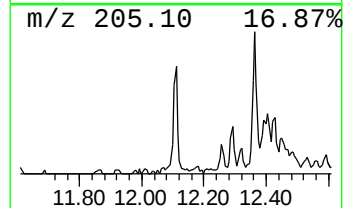
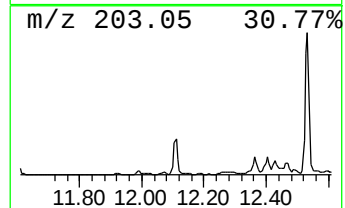
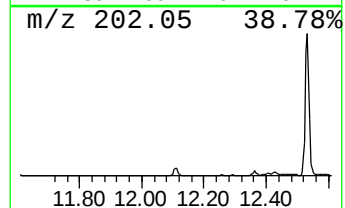
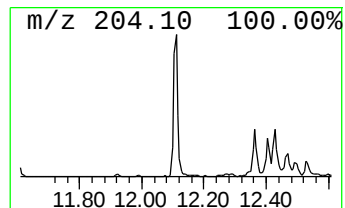
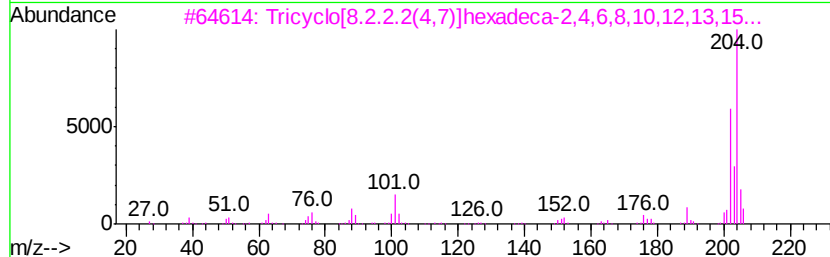
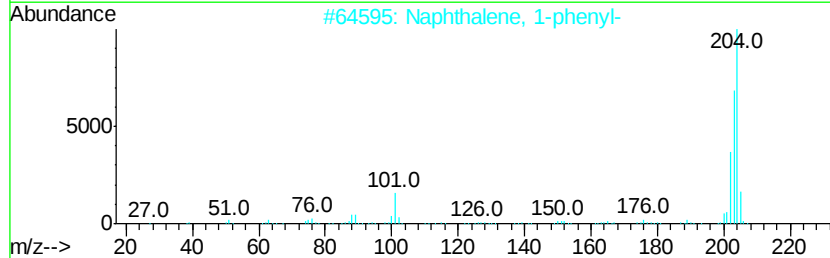
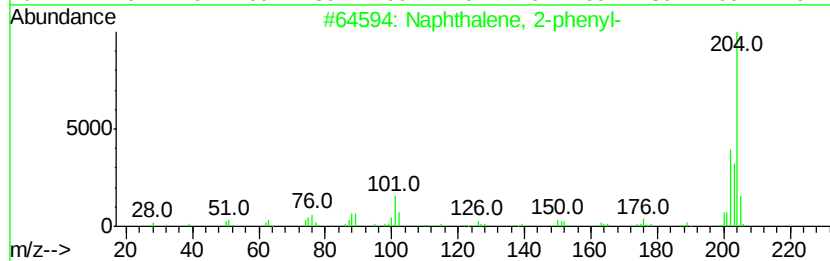
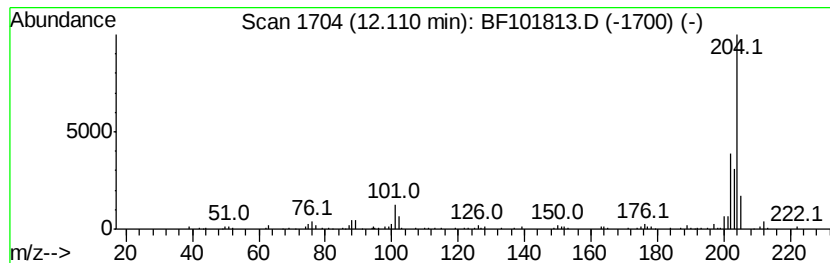
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	5.64 ng	197962	Phenanthrene-d10	11.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4			5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
5			Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122817\
Data File : BF101813.D
Acq On : 28 Dec 2017 20:06
Operator : SJ/JU
Sample : I7030-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CS-TP-BANK-4

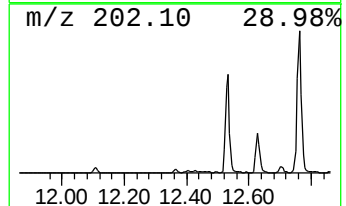
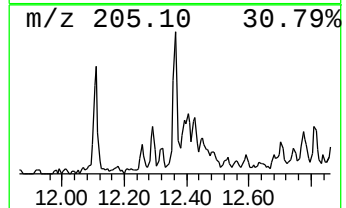
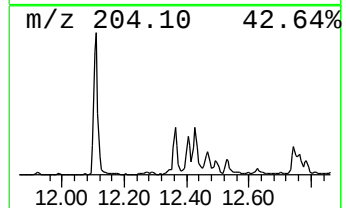
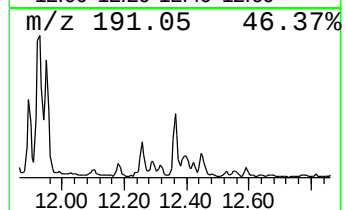
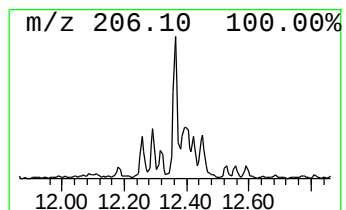
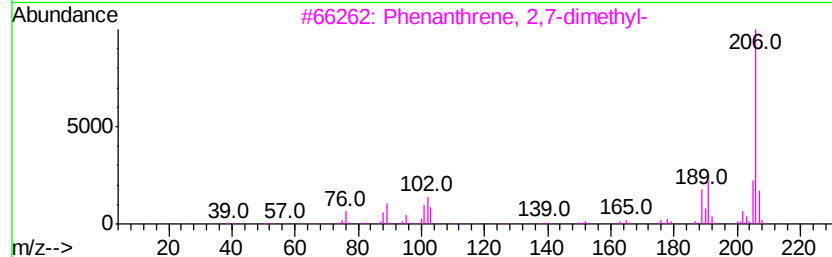
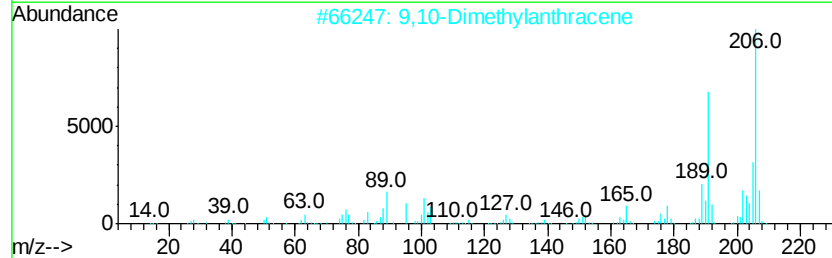
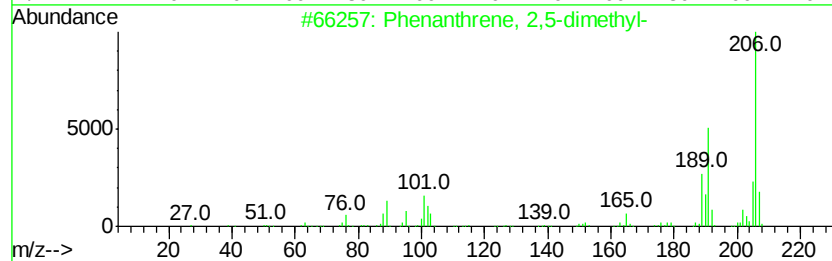
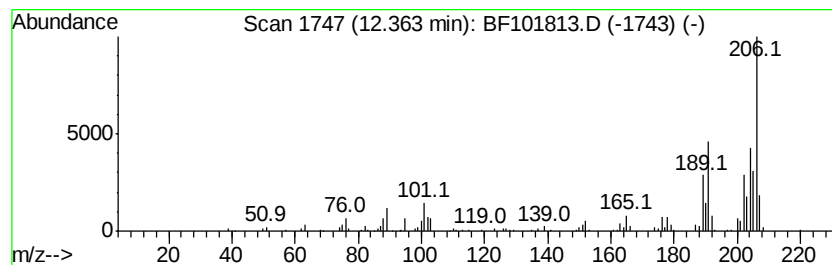
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	6.71 ng	235285	Phenanthrene-d10	11.31

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	93
3			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
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Acq On : 28 Dec 2017 20:06
Operator : SJ/JU
Sample : I7030-01 5X
Misc :
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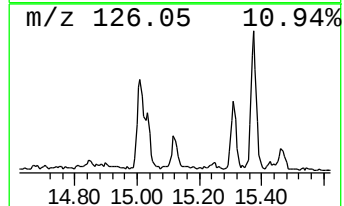
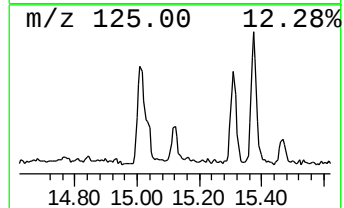
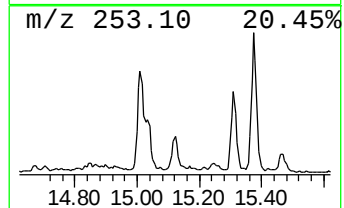
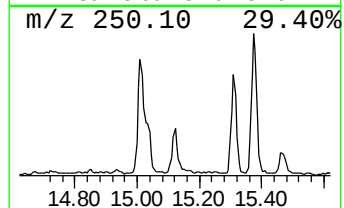
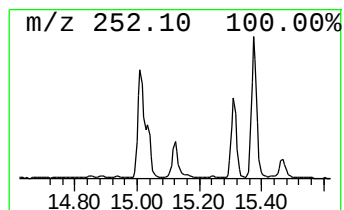
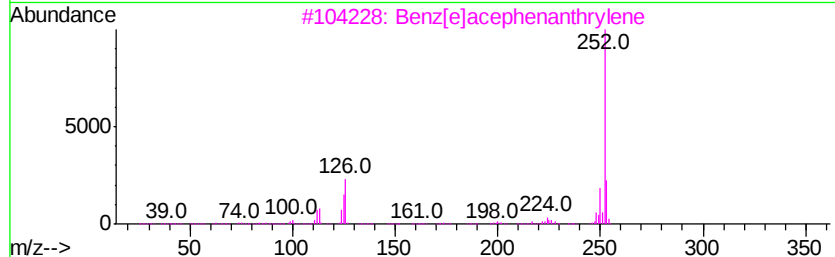
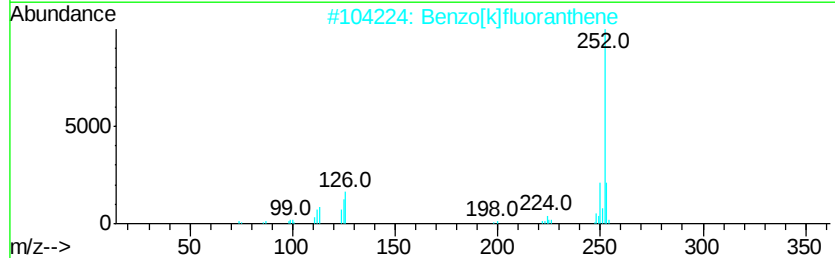
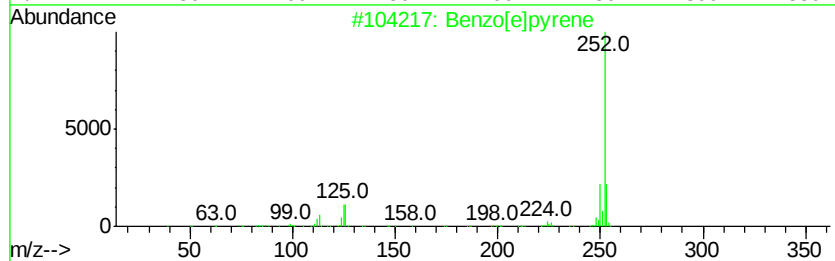
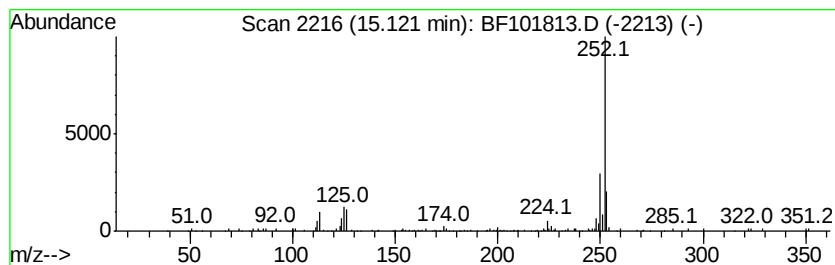
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	3.57 ng	116833	Perylene-d12	15.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[e]pyrene	252 C20H12	000192-97-2 98
2		Benzo[k]fluoranthene	252 C20H12	000207-08-9 96
3		Benz[e]acephenanthrylene	252 C20H12	000205-99-2 93
4		Perylene	252 C20H12	000198-55-0 90
5		Benzo[j]fluoranthene	252 C20H12	000205-82-3 90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122817\
 Data File : BF101813.D
 Acq On : 28 Dec 2017 20:06
 Operator : SJ/JU
 Sample : I7030-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP-BANK-4

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
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Naphthalene, 1-me...	8.87	11.7	ng	540060	2	8.06	925159	20.0
Naphthalene, 1-et...	9.33	8.5	ng	381180	3	9.82	898417	20.0
Naphthalene, 2,7-...	9.41	5.5	ng	249069	3	9.82	898417	20.0
Naphthalene, 2,3-...	9.48	7.3	ng	328447	3	9.82	898417	20.0
Naphthalene, 1,6-...	9.51	3.5	ng	157183	3	9.82	898417	20.0
Naphthalene, 1,5-...	9.60	3.8	ng	172117	3	9.82	898417	20.0
9H-Fluorene, 2-me...	10.92	4.7	ng	164248	4	11.31	701743	20.0
Dibenzothiophene	11.21	3.6	ng	127553	4	11.31	701743	20.0
Phenanthrene, 2-m...	11.82	8.9	ng	312094	4	11.31	701743	20.0
4H-Cyclopenta[def...	11.93	15.5	ng	544021	4	11.31	701743	20.0
Anthracene, 9-met...	11.95	5.7	ng	198859	4	11.31	701743	20.0
Naphthalene, 2-ph...	12.11	5.6	ng	197962	4	11.31	701743	20.0
Phenanthrene, 2,5...	12.36	6.7	ng	235285	4	11.31	701743	20.0
Benzo[e]pyrene	15.12	3.6	ng	116833	6	15.43	655089	20.0