

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
 Data File : BF101485.D
 Acq On : 18 Dec 2017 17:20
 Operator : SJ/JU
 Sample : I6877-04 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(13-15)

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	5.028	497	500	521	rVB	95097	152665	2.69%	0.175%
2	5.428	565	568	589	rBV	2005543	2259737	39.77%	2.591%
3	6.445	738	741	760	rBV	1911762	2421627	42.62%	2.777%
4	6.581	760	764	770	rBV	2390915	2110430	37.14%	2.420%
5	6.810	799	803	810	rBV	1134889	1050661	18.49%	1.205%
6	6.963	825	829	839	rBV	1746508	1568452	27.60%	1.798%
7	7.375	895	899	910	rBV	1227121	1251771	22.03%	1.435%
8	8.092	1017	1021	1023	rBV	1376041	1219056	21.45%	1.398%
9	8.110	1023	1024	1032	rVB	348726	325439	5.73%	0.373%
10	8.804	1139	1142	1148	rBV	120176	126612	2.23%	0.145%
11	9.163	1199	1203	1213	rBV	2063486	1797016	31.62%	2.060%
12	9.504	1257	1261	1264	rVV	97742	117041	2.06%	0.134%
13	9.557	1268	1270	1276	rVV	185114	200182	3.52%	0.230%
14	9.710	1290	1296	1299	rVV2	123023	125905	2.22%	0.144%
15	9.845	1316	1319	1322	rBV	1219952	1084260	19.08%	1.243%
16	9.880	1322	1325	1331	rVB	778614	651676	11.47%	0.747%
17	10.051	1351	1354	1358	rVB	258076	241128	4.24%	0.276%
18	10.263	1384	1390	1394	rBV2	109623	152643	2.69%	0.175%
19	10.398	1409	1413	1418	rVB	498809	460185	8.10%	0.528%
20	10.463	1418	1424	1425	rBV	109725	153578	2.70%	0.176%
21	10.480	1425	1427	1430	rVB3	181197	151409	2.66%	0.174%
22	10.639	1450	1454	1459	rBV2	912020	976451	17.18%	1.120%
23	10.751	1467	1473	1476	rBV4	118921	183145	3.22%	0.210%
24	10.945	1501	1506	1509	rBV3	118735	151814	2.67%	0.174%
25	11.068	1522	1527	1529	rBV4	85114	144661	2.55%	0.166%
26	11.186	1544	1547	1550	rVV2	128624	143981	2.53%	0.165%
27	11.233	1553	1555	1562	rVB	378441	336455	5.92%	0.386%
28	11.339	1569	1573	1575	rBV	1125251	1088588	19.16%	1.248%
29	11.368	1575	1578	1581	rVV	3488126	3230629	56.85%	3.704%
30	11.416	1581	1586	1590	rVV	1396096	1363607	24.00%	1.563%
31	11.457	1590	1593	1597	rVV	257850	281766	4.96%	0.323%
32	11.574	1608	1613	1618	rBV2	802409	887583	15.62%	1.018%
33	11.839	1654	1658	1661	rBV	507609	474029	8.34%	0.543%
34	11.868	1661	1663	1667	rVB	664240	587605	10.34%	0.674%

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35	11.915	1667	1671	1674	rBV	382044	355850	6.26%	0.408%
36	11.957	1674	1678	1680	rBV	869330	917328	16.14%	1.052%
37	12.021	1686	1689	1692	rBV2	165875	160022	2.82%	0.183%
38	12.133	1705	1708	1713	rVB	375936	331834	5.84%	0.380%
39	12.280	1730	1733	1737	rBV3	160635	188797	3.32%	0.216%
40	12.386	1746	1751	1754	rBV	319750	389171	6.85%	0.446%
41	12.474	1764	1766	1768	rBV2	128275	141570	2.49%	0.162%
42	12.568	1777	1782	1785	rBV	3831679	4247174	74.74%	4.870%
43	12.621	1789	1791	1795	rVV2	158354	178896	3.15%	0.205%
44	12.710	1801	1806	1808	rBV	380660	376906	6.63%	0.432%
45	12.739	1808	1811	1814	rVV2	119493	136670	2.41%	0.157%
46	12.798	1814	1821	1825	rVV3	3627477	5682345	100.00%	6.515%
47	12.839	1825	1828	1835	rVB2	338872	432252	7.61%	0.496%
48	12.921	1836	1842	1845	rBV2	1344152	1453111	25.57%	1.666%
49	12.957	1845	1848	1851	rVB	463485	459855	8.09%	0.527%
50	13.010	1851	1857	1860	rBV3	357385	609352	10.72%	0.699%
51	13.045	1860	1863	1867	rVB	191608	212906	3.75%	0.244%
52	13.115	1867	1875	1878	rBV	918849	1394882	24.55%	1.599%
53	13.186	1883	1887	1889	rVV	909291	854143	15.03%	0.979%
54	13.221	1889	1893	1896	rVV2	581722	795607	14.00%	0.912%
55	13.274	1900	1902	1905	rVB2	157078	143356	2.52%	0.164%
56	13.315	1906	1909	1911	rBV	326216	274043	4.82%	0.314%
57	13.345	1911	1914	1922	rVB2	372665	530840	9.34%	0.609%
58	13.409	1922	1925	1932	rVB5	111782	141068	2.48%	0.162%
59	13.468	1932	1935	1937	rBV	330445	299506	5.27%	0.343%
60	13.515	1941	1943	1945	rBV2	162828	161026	2.83%	0.185%
61	13.539	1945	1947	1950	rVV2	168188	159318	2.80%	0.183%
62	13.598	1954	1957	1961	rBV3	191363	276394	4.86%	0.317%
63	13.633	1961	1963	1966	rVB	186824	156712	2.76%	0.180%
64	13.739	1978	1981	1983	rBV	398499	365598	6.43%	0.419%
65	13.762	1983	1985	1988	rVB	585926	436633	7.68%	0.501%
66	13.792	1988	1990	1991	rBV	439748	348676	6.14%	0.400%
67	13.909	2005	2010	2016	rBV	206185	373504	6.57%	0.428%
68	13.992	2017	2024	2027	rBV2	2957307	5016647	88.28%	5.752%
69	14.027	2027	2030	2033	rVB	2651307	2475174	43.56%	2.838%
70	14.104	2040	2043	2046	rBV	1355400	1223314	21.53%	1.403%
71	14.151	2048	2051	2055	rVV3	212460	296407	5.22%	0.340%

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72	14.192	2055	2058	2060	rVV	396578	351359	6.18%	0.403%
73	14.221	2060	2063	2067	rVB2	453751	538838	9.48%	0.618%
74	14.339	2081	2083	2085	rBV	242374	258391	4.55%	0.296%
75	14.380	2087	2090	2093	rVV	807840	807146	14.20%	0.925%
76	14.415	2093	2096	2100	rVV2	328470	334104	5.88%	0.383%
77	14.456	2100	2103	2105	rVV3	217426	226784	3.99%	0.260%
78	14.480	2105	2107	2109	rVV2	413157	352966	6.21%	0.405%
79	14.509	2109	2112	2113	rVV	374708	371876	6.54%	0.426%
80	14.527	2113	2115	2118	rVB2	472001	415893	7.32%	0.477%
81	14.704	2142	2145	2147	rBV3	203947	274185	4.83%	0.314%
82	14.880	2172	2175	2181	rBV2	272370	343074	6.04%	0.393%
83	14.992	2191	2194	2197	rBV	138981	162860	2.87%	0.187%
84	15.051	2198	2204	2207	rBV	2338831	4296744	75.62%	4.926%
85	15.151	2217	2221	2226	rVB	865579	895596	15.76%	1.027%
86	15.233	2232	2235	2236	rBV2	195032	205686	3.62%	0.236%
87	15.286	2241	2244	2249	rVV2	348458	641592	11.29%	0.736%
88	15.351	2250	2255	2261	rVV	1616318	2436898	42.89%	2.794%
89	15.421	2261	2267	2272	rVB	2388882	3717885	65.43%	4.263%
90	15.474	2272	2276	2278	rBV	489177	626425	11.02%	0.718%
91	15.509	2278	2282	2287	rVB2	959419	1340781	23.60%	1.537%
92	15.645	2302	2305	2307	rBV	169394	201387	3.54%	0.231%
93	16.033	2368	2371	2375	rVB	260045	329421	5.80%	0.378%
94	16.750	2489	2493	2497	rBV2	155400	253506	4.46%	0.291%
95	16.797	2497	2501	2505	rVB	183068	288130	5.07%	0.330%
96	16.980	2522	2532	2536	rBV2	1279859	2850350	50.16%	3.268%
97	17.127	2551	2557	2562	rBV	380509	800814	14.09%	0.918%
98	17.192	2563	2568	2573	rVV2	251593	493454	8.68%	0.566%
99	17.433	2600	2609	2615	rBV	1108223	2599713	45.75%	2.981%
100	17.668	2643	2649	2662	rVB	525513	1334070	23.48%	1.530%

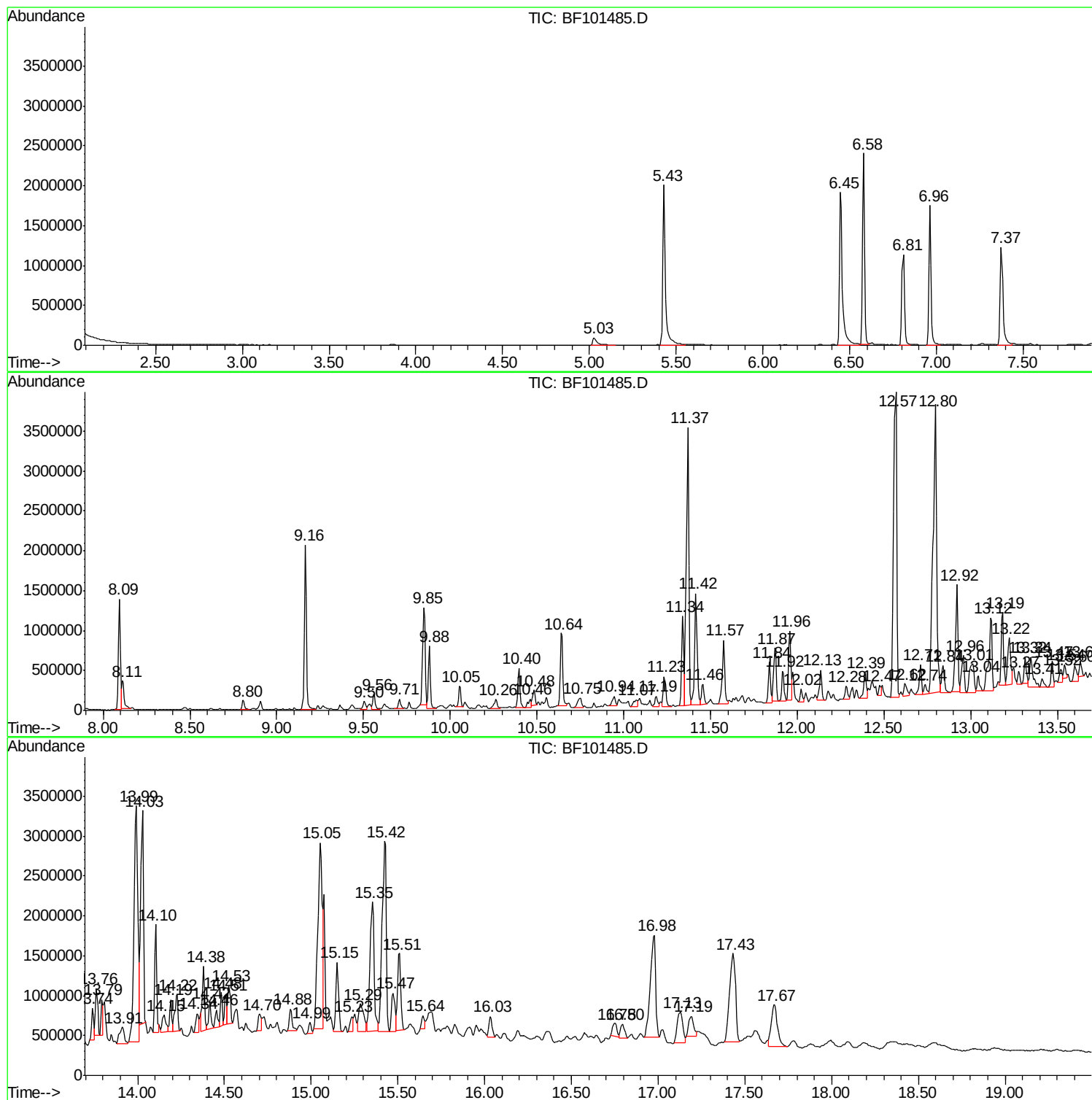
Sum of corrected areas: 87218602

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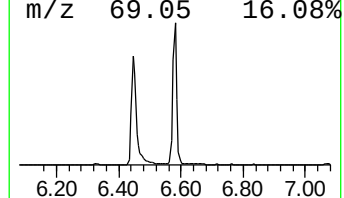
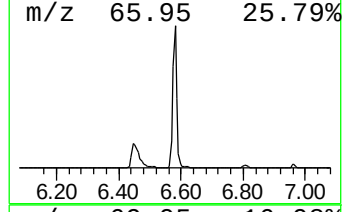
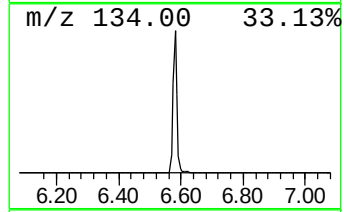
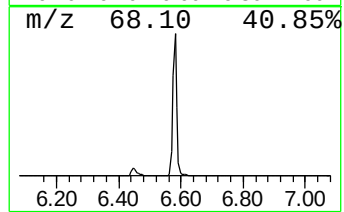
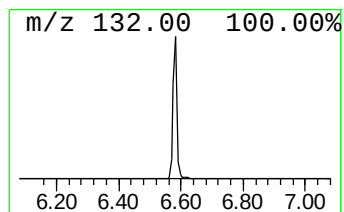
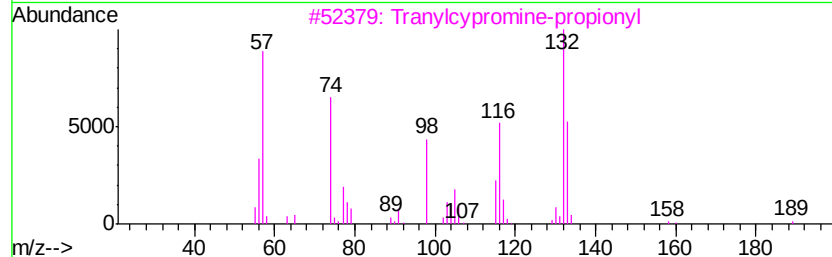
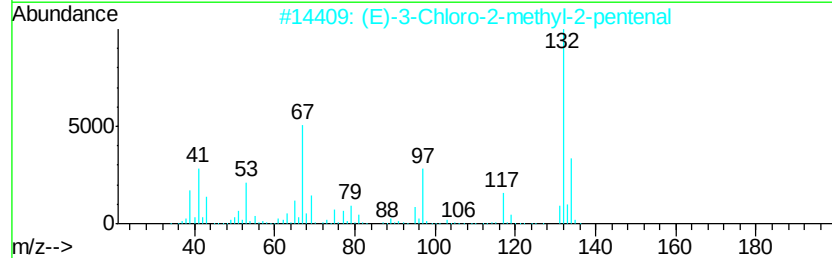
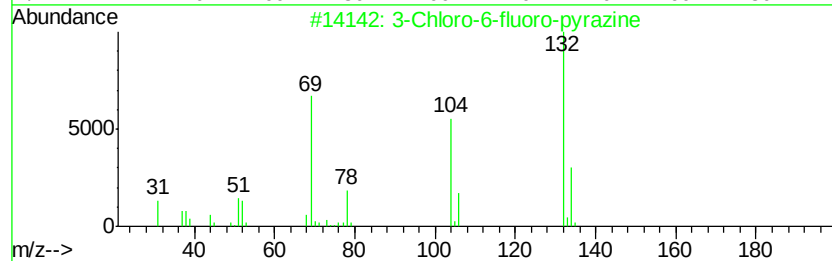
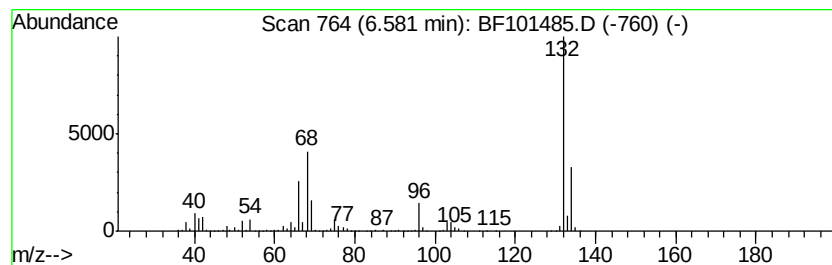
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.58 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	40.17 ng	2110430	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		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranlycypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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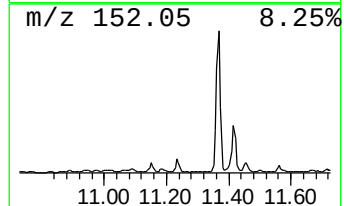
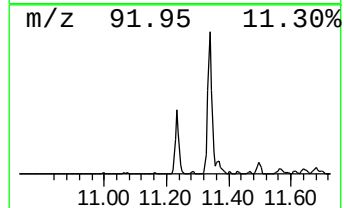
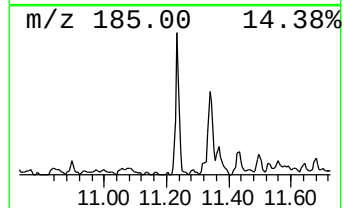
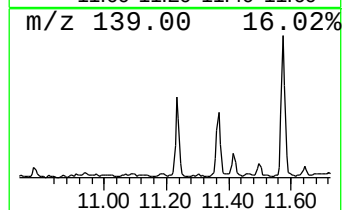
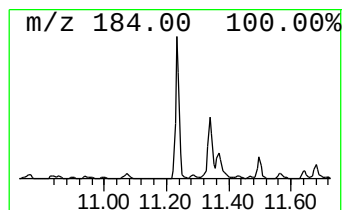
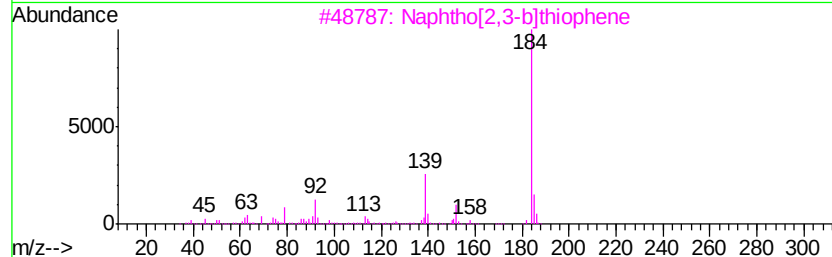
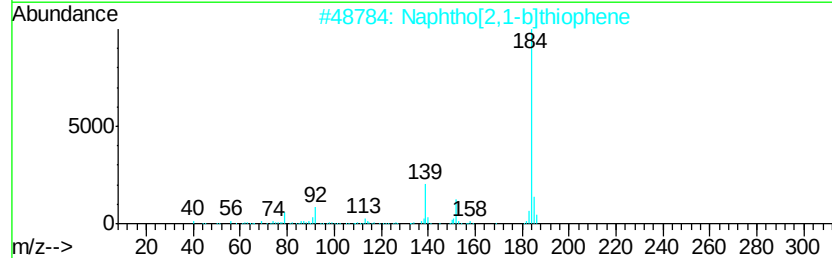
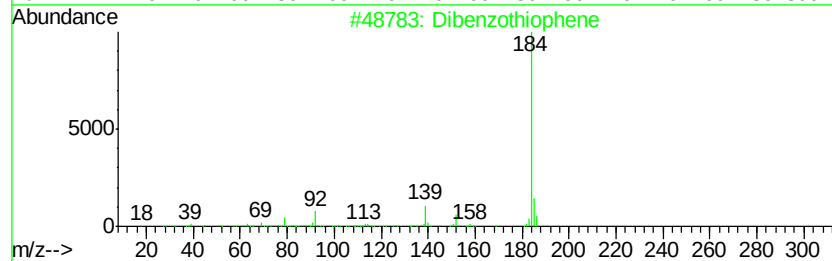
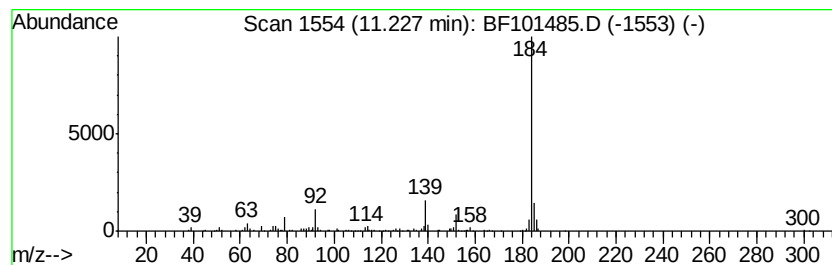
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.23	6.18 ng	336455	Phenanthrene-d10	11.34		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	96
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



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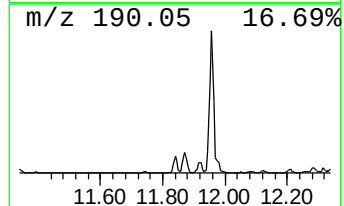
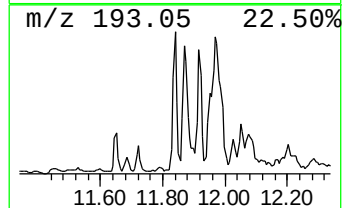
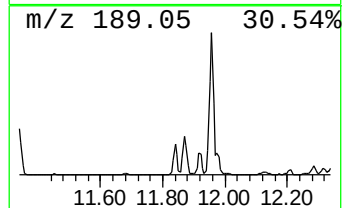
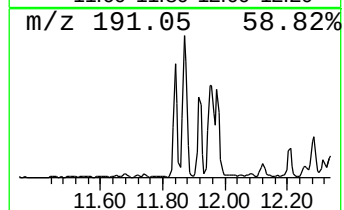
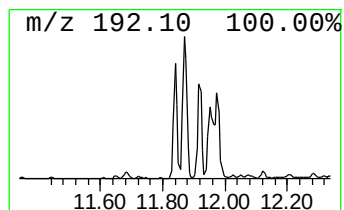
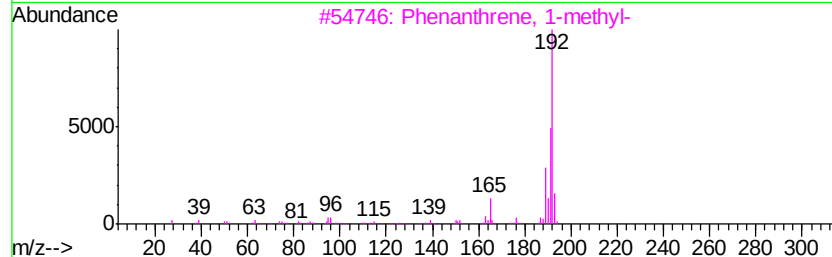
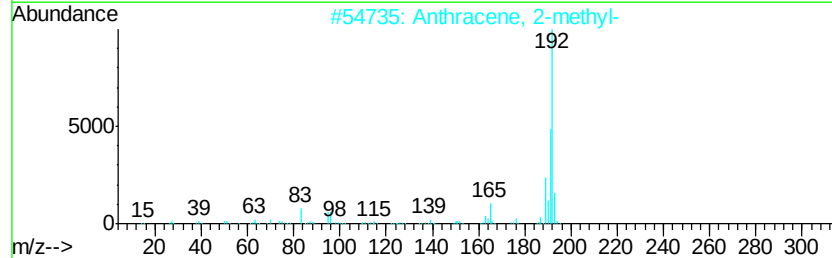
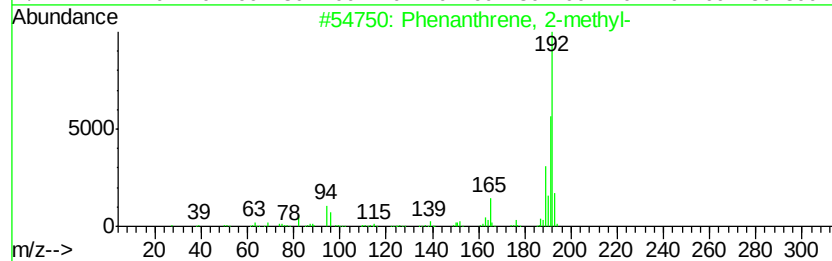
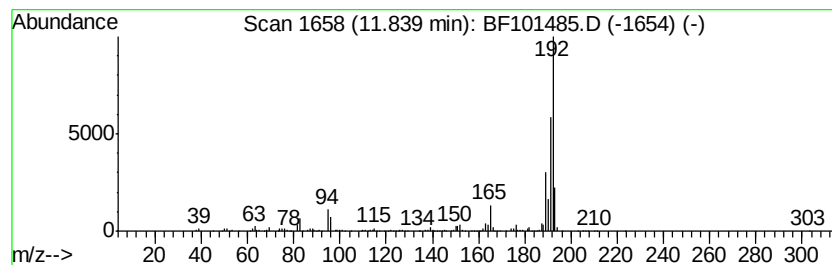
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.84	8.71 ng	474029	Phenanthrene-d10	11.34	
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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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Operator : SJ/JU
Sample : I6877-04 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

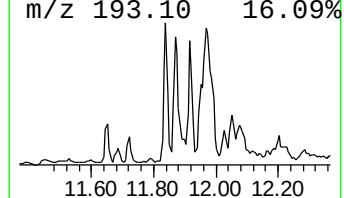
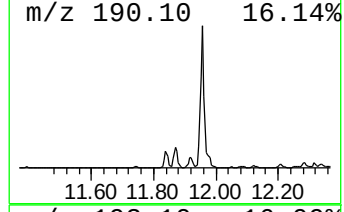
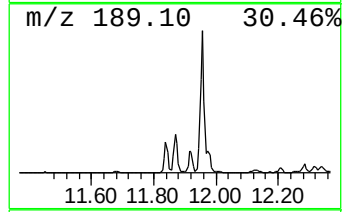
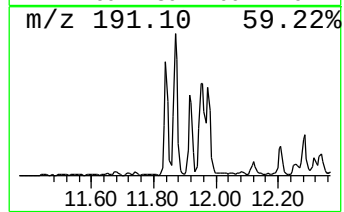
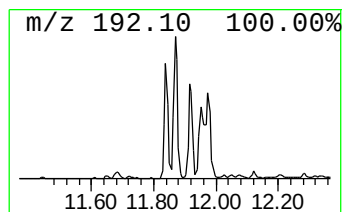
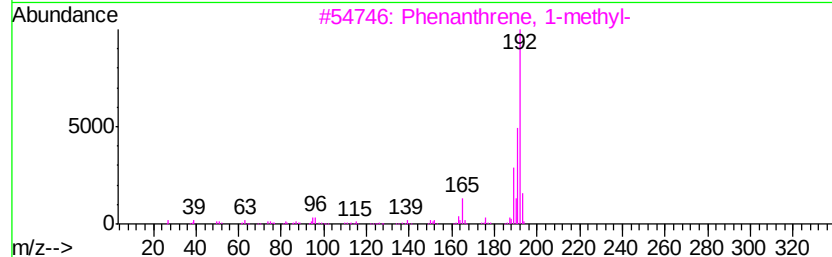
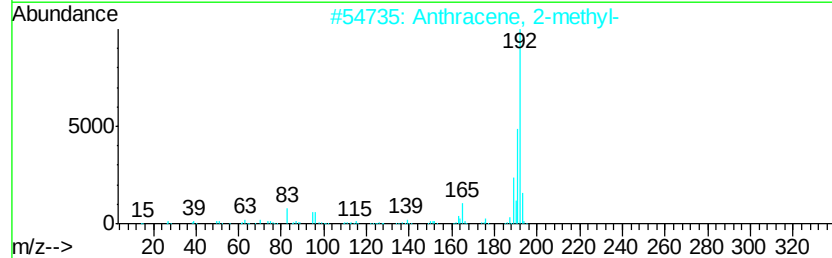
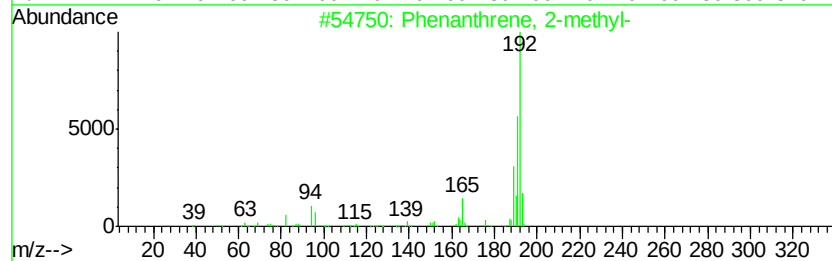
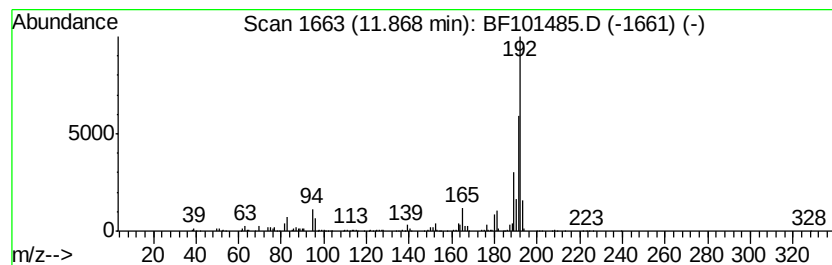
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.87	10.80 ng	587605	Phenanthrene-d10	11.34	
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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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Operator : SJ/JU
Sample : I6877-04 2X
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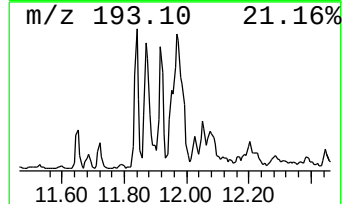
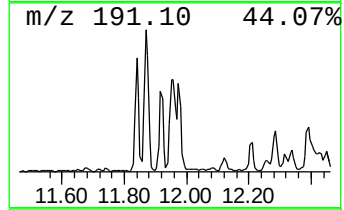
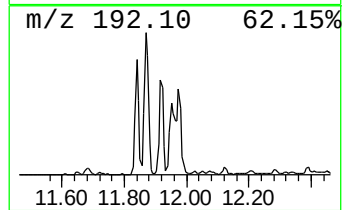
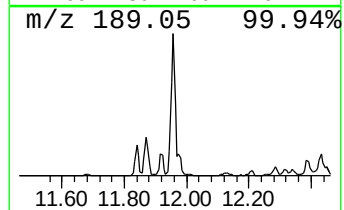
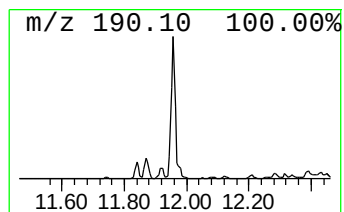
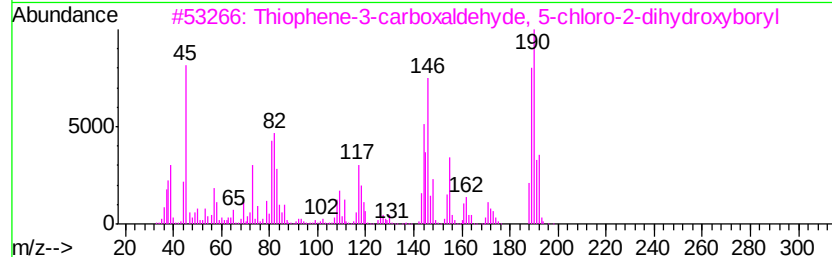
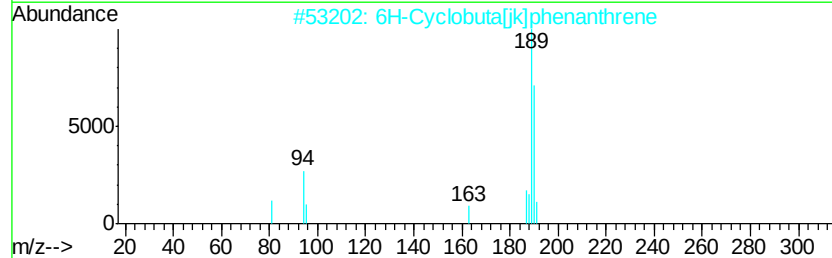
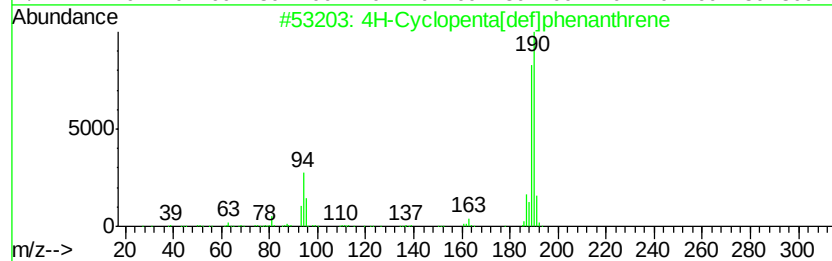
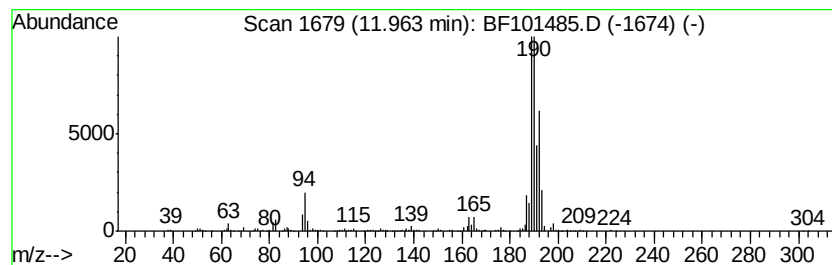
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.96	16.85 ng	917328	Phenanthrene-d10	11.34	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101485.D
Acq On : 18 Dec 2017 17:20
Operator : SJ/JU
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ALS Vial : 14 Sample Multiplier: 1

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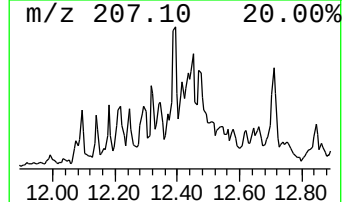
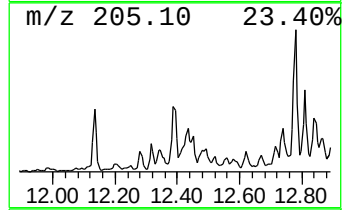
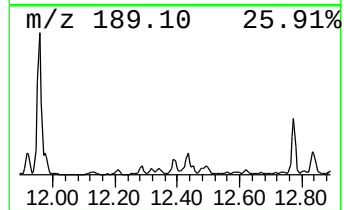
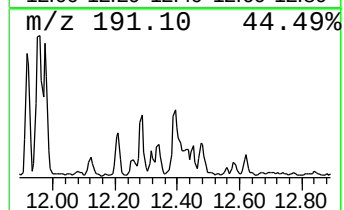
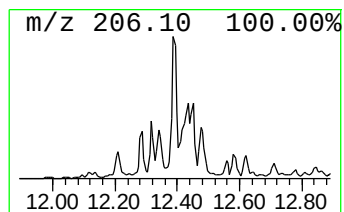
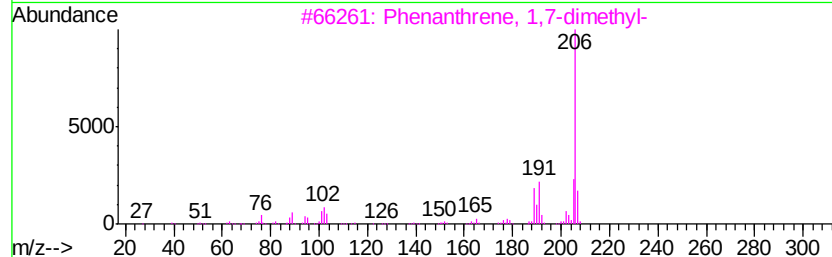
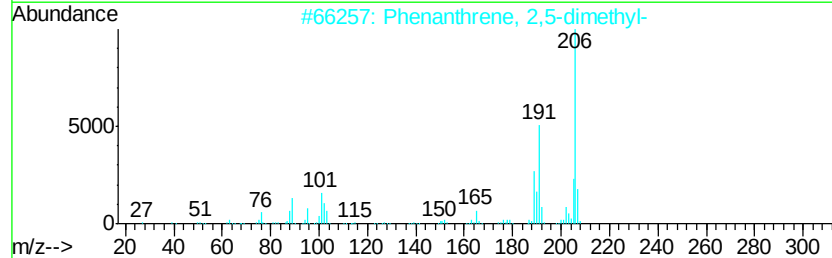
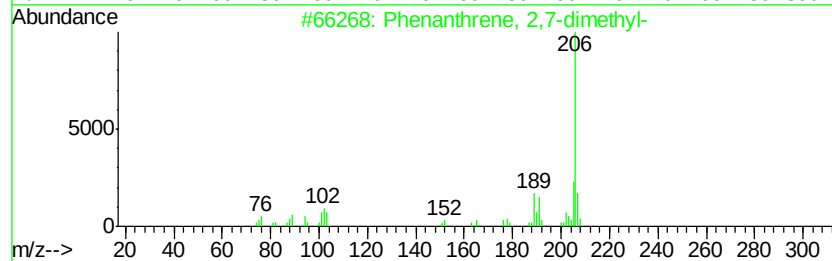
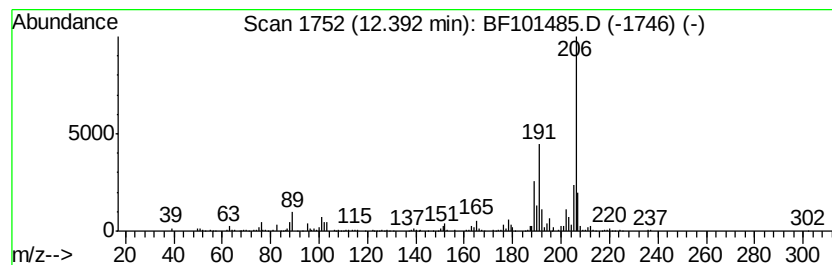
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	7.15 ng	389171	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	96
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101485.D
Acq On : 18 Dec 2017 17:20
Operator : SJ/JU
Sample : I6877-04 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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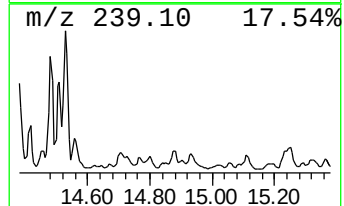
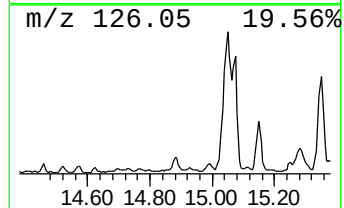
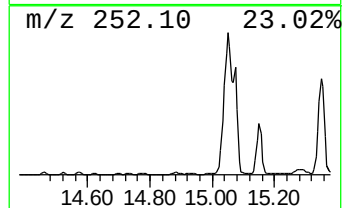
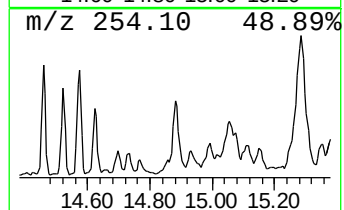
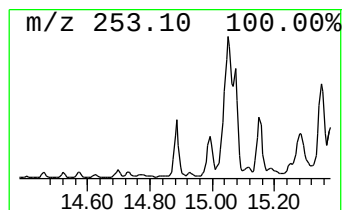
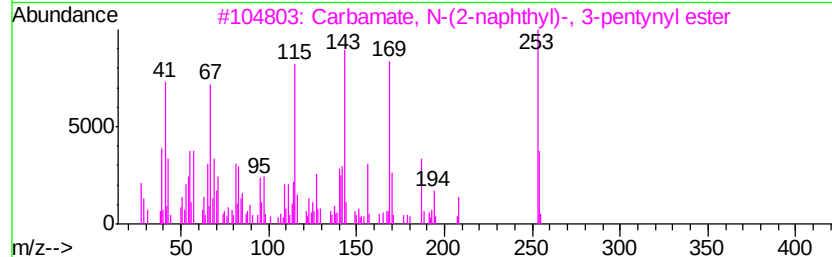
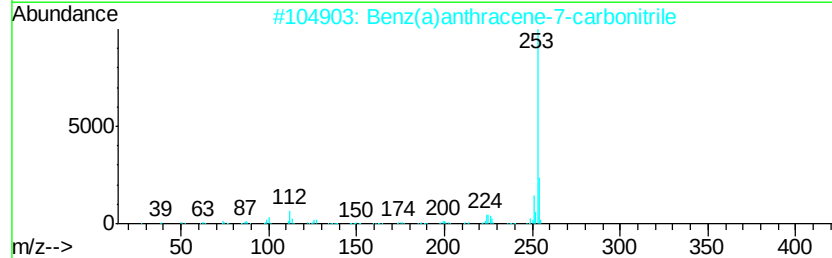
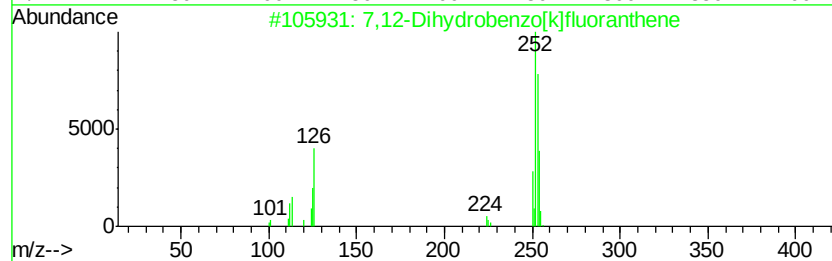
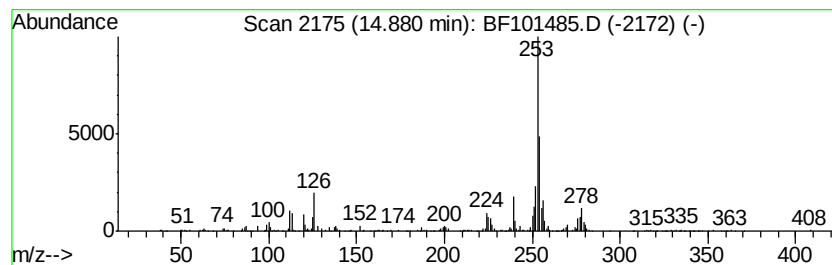
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	10.95 ng	343074	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
2		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	50
3		Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	46
4		1,1'-Binaphthalene	254	C20H14	000604-53-5	43
5		1,2'-Binaphthalene	254	C20H14	004325-74-0	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101485.D
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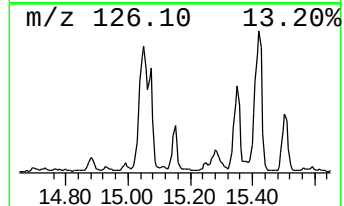
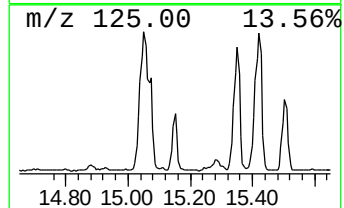
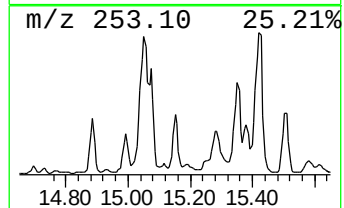
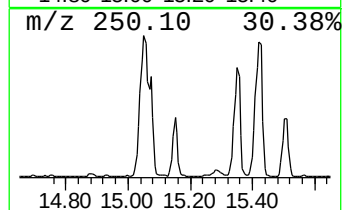
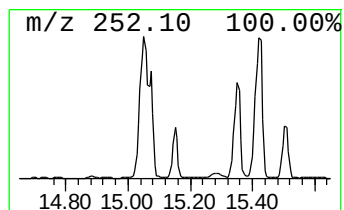
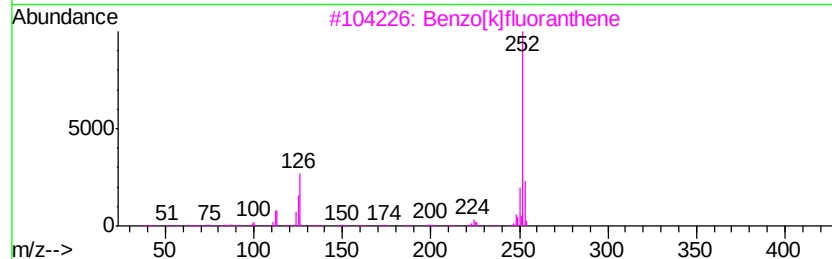
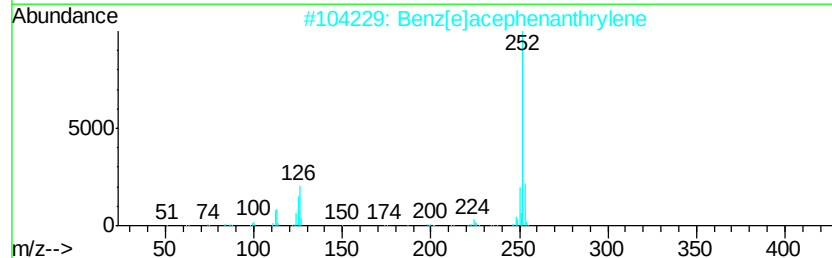
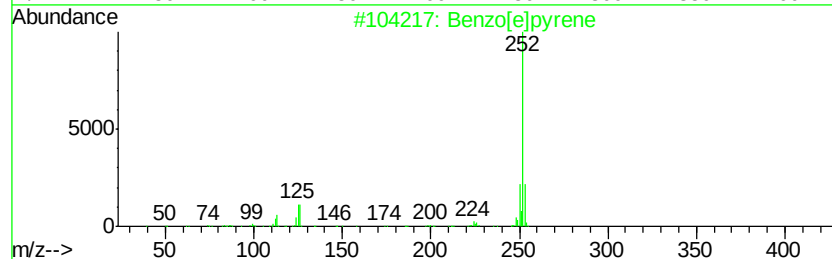
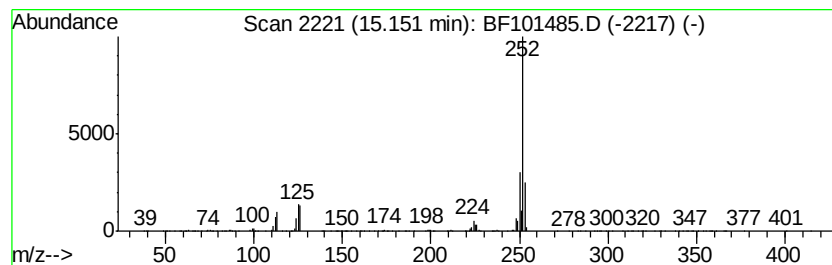
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	28.59 ng	895596	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	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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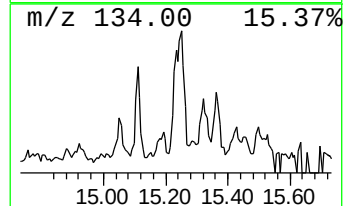
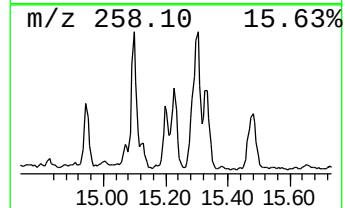
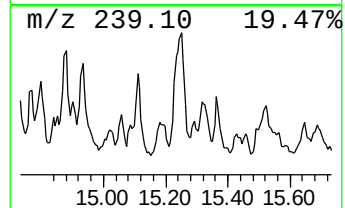
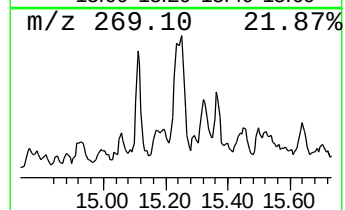
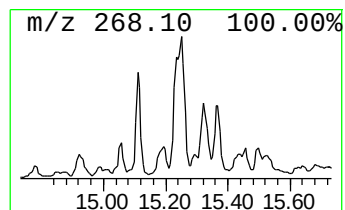
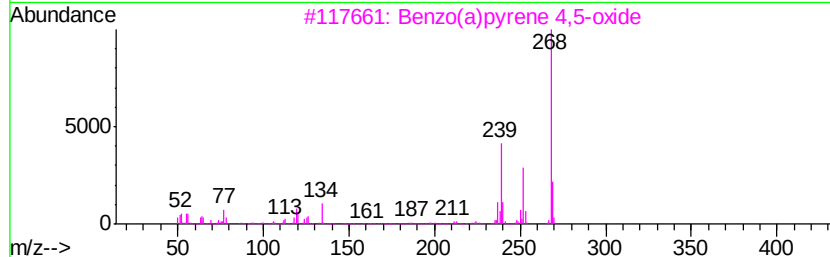
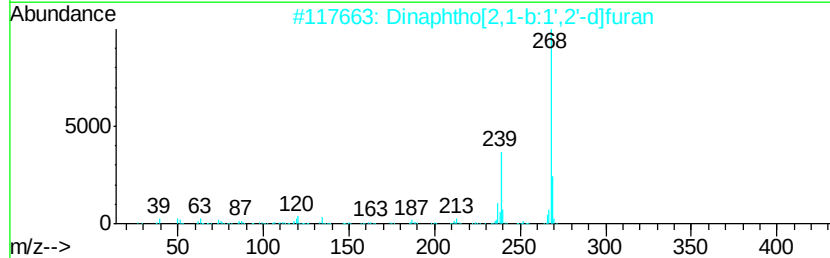
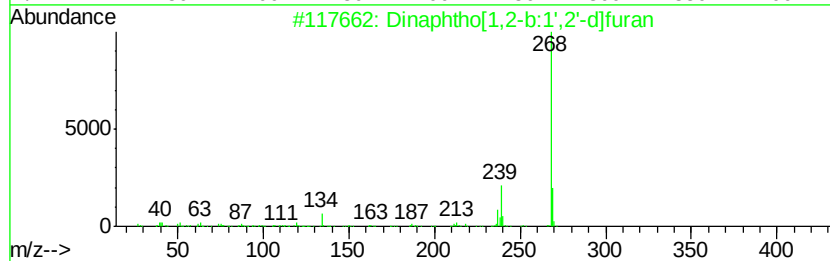
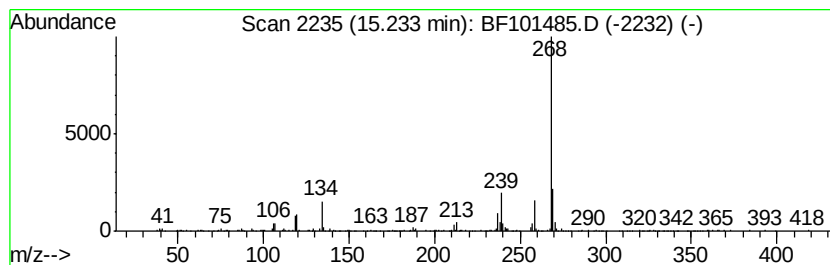
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.23	6.57 ng	205686	Perylene-d12	15.47		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	91
2		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
3		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
4		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	64
5		10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101485.D
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ALS Vial : 14 Sample Multiplier: 1

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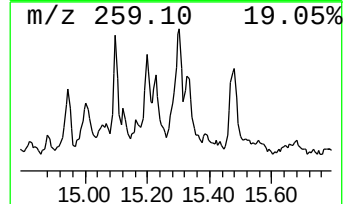
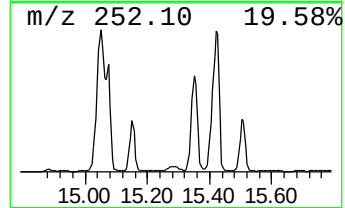
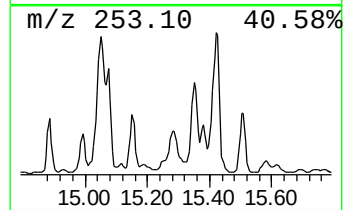
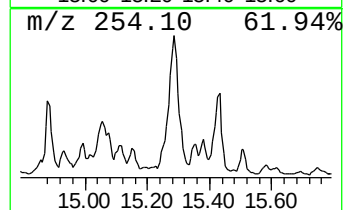
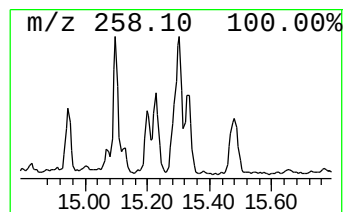
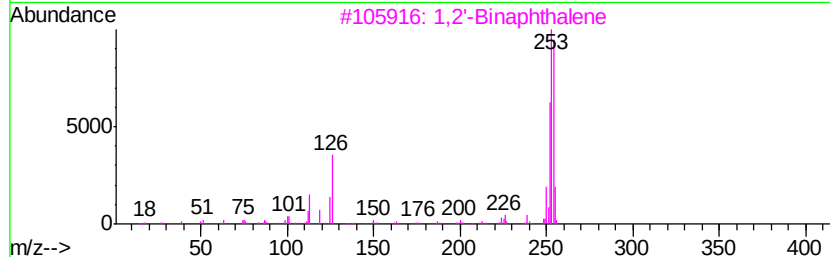
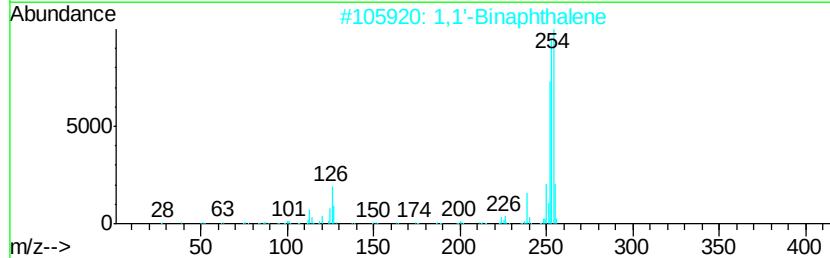
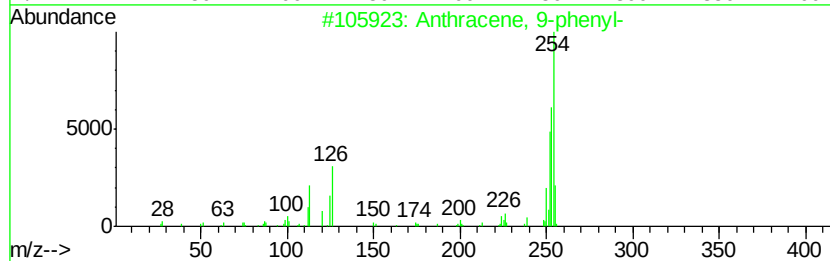
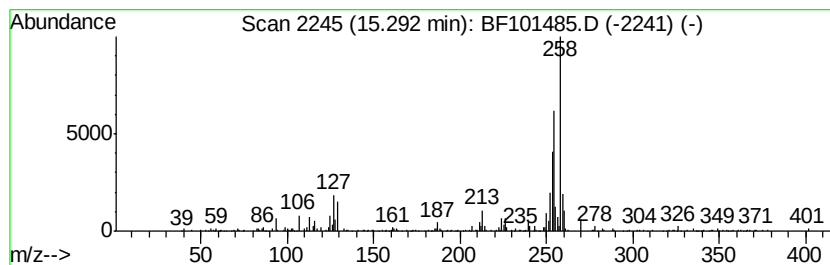
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 9-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	20.48 ng	641592	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	87
2		1,1'-Binaphthalene	254	C20H14	000604-53-5	70
3		1,2'-Binaphthalene	254	C20H14	004325-74-0	64
4		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	55
5		1H-Indene, 1,1'-(1,2-ethanediyl...	254	C20H14	072088-04-1	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101485.D
Acq On : 18 Dec 2017 17:20
Operator : SJ/JU
Sample : I6877-04 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-7(13-15)

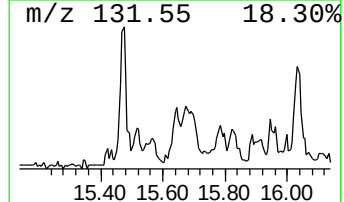
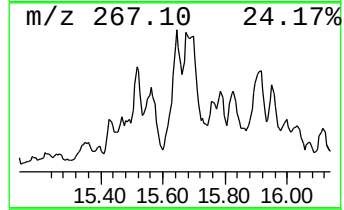
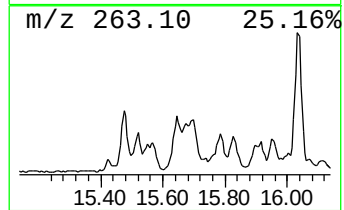
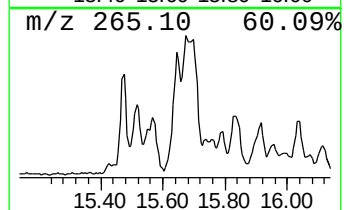
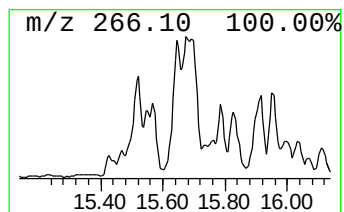
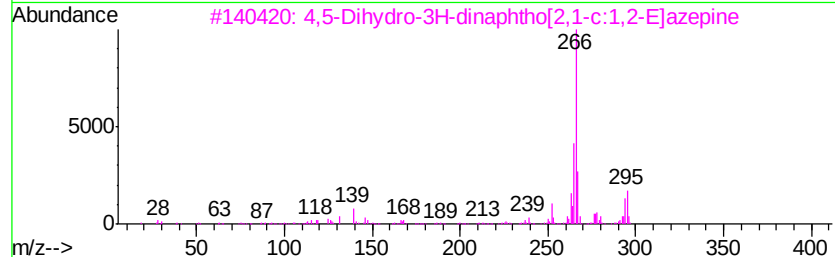
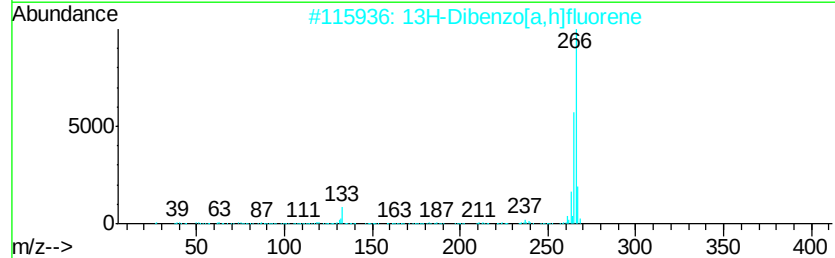
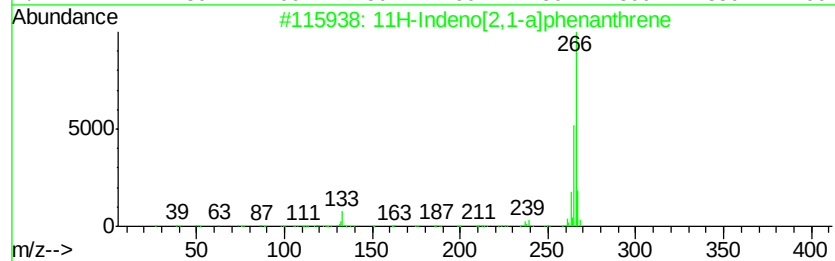
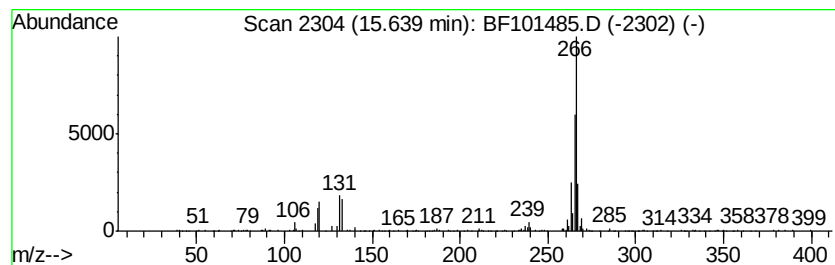
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Indeno[2,1-a]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	6.43 ng	201387	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	90
2		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	90
3		4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	1000297-99-2	64
4		Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	64
5		1-Benzothieno[3,2-f]quinazoline-...	266	C14H10N4S	065642-92-4	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101485.D
Acq On : 18 Dec 2017 17:20
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Sample : I6877-04 2X
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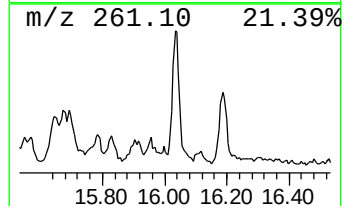
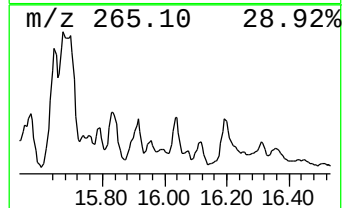
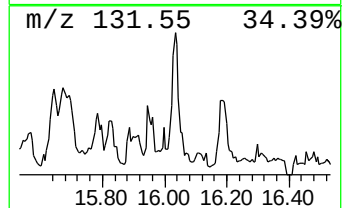
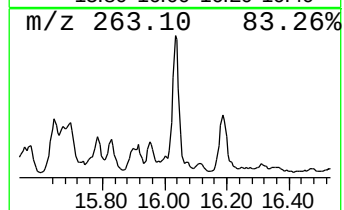
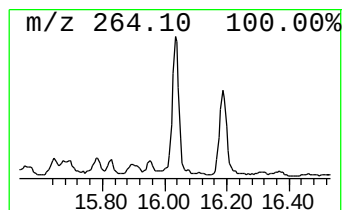
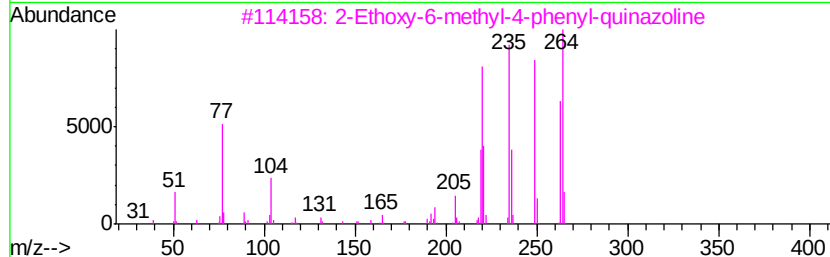
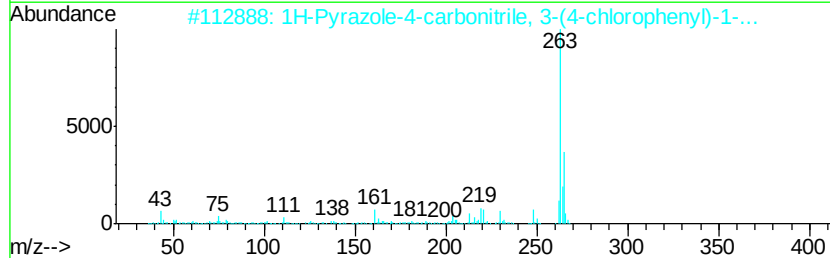
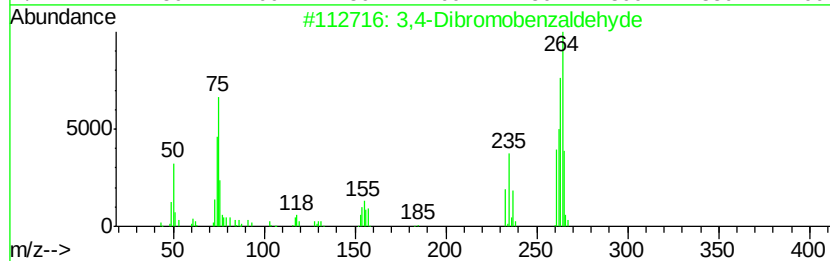
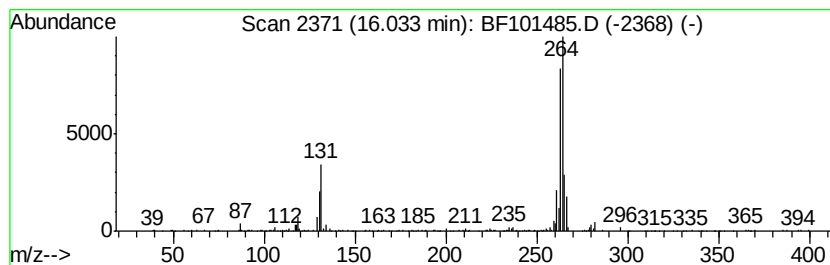
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ClientSampleId :
SB-7(13-15)

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 15 3,4-Dibromobenzaldehyde Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	10.52 ng	329421	Perylene-d12	15.47
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7 64
2	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0 38
3	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5 35
4	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6 32
5	Acetamide, N-(2,5-dimethoxypheny...	263	C10H11Cl2NO3	1000307-30-2 27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101485.D
Acq On : 18 Dec 2017 17:20
Operator : SJ/JU
Sample : I6877-04 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)

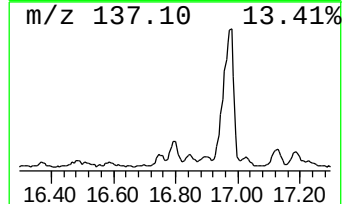
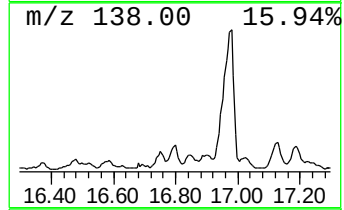
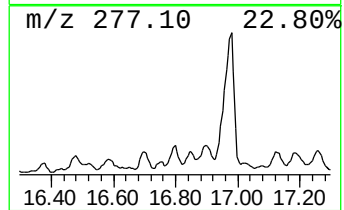
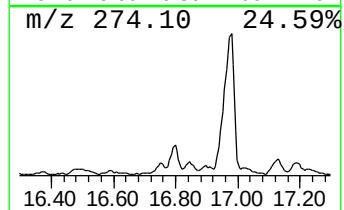
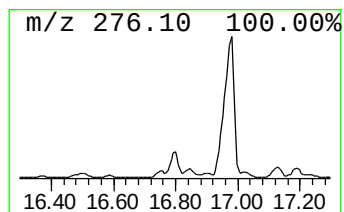
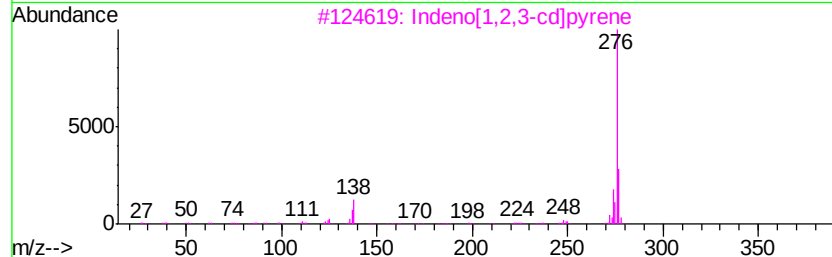
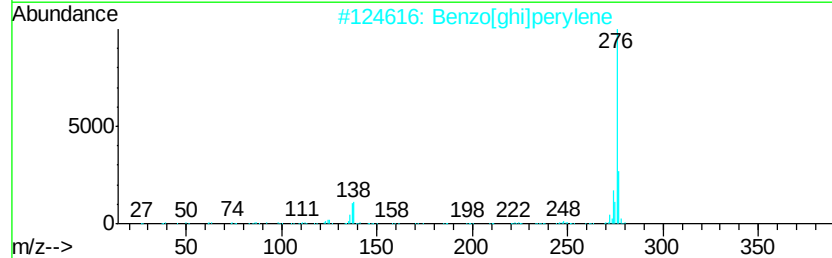
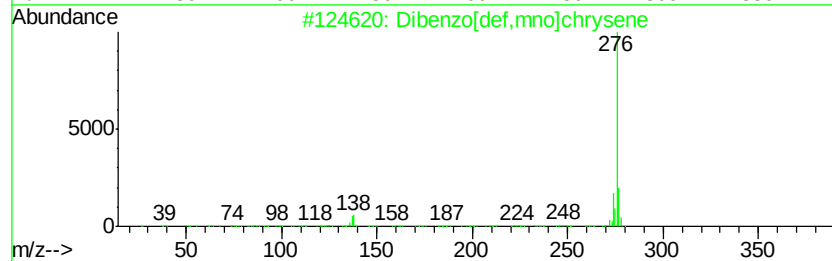
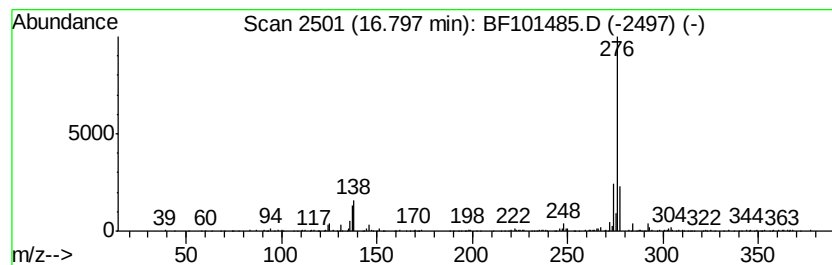
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Dibenzo[def,mno]chrysene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	9.20 ng	288130	Perylene-d12	15.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2			Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3			Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4			Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	58
5			Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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Acq On : 18 Dec 2017 17:20
Operator : SJ/JU
Sample : I6877-04 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-7(13-15)

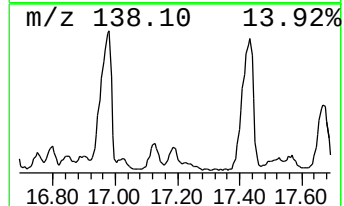
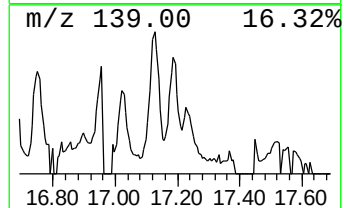
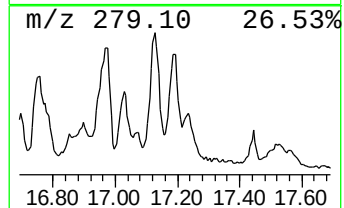
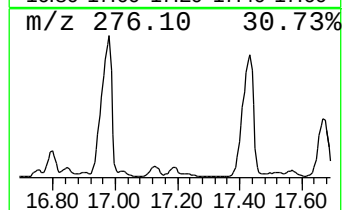
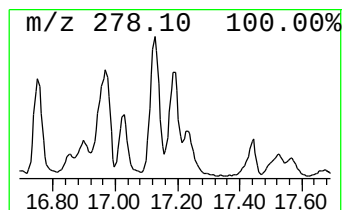
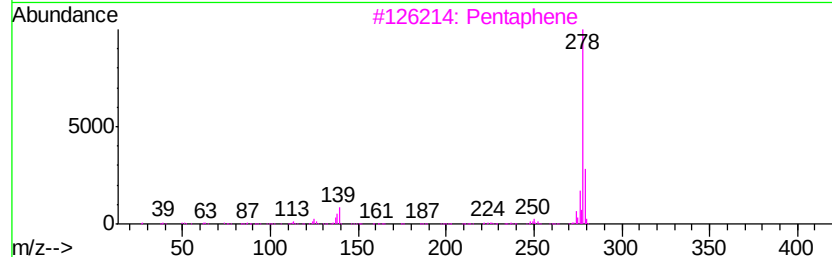
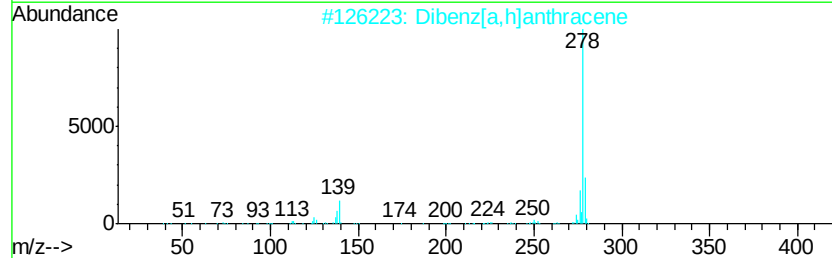
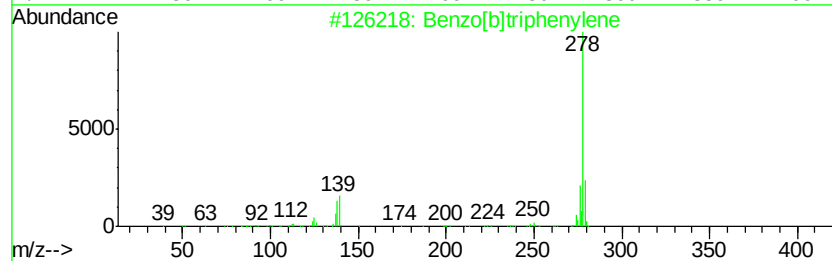
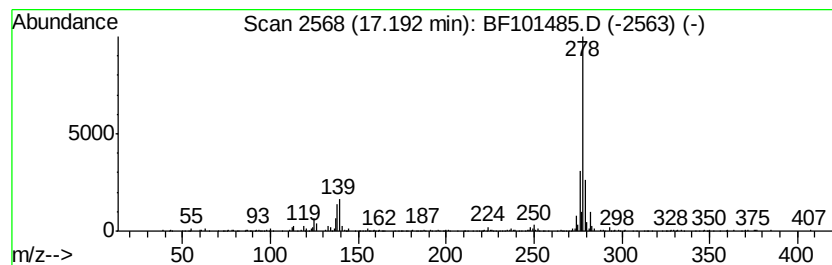
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]triphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	15.75 ng	493454	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
3		Pentaphene	278	C22H14	000222-93-5	97
4		Picene	278	C22H14	000213-46-7	96
5		Benzo[b]chrysene	278	C22H14	000214-17-5	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
 Data File : BF101485.D
 Acq On : 18 Dec 2017 17:20
 Operator : SJ/JU
 Sample : I6877-04 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(13-15)

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	40.2	ng	2110430	1	6.81	1050660	20.0
Dibenzothiophene	11.23	6.2	ng	336455	4	11.34	1088590	20.0
Phenanthrene, 2-m...	11.84	8.7	ng	474029	4	11.34	1088590	20.0
Anthracene, 2-met...	11.87	10.8	ng	587605	4	11.34	1088590	20.0
4H-Cyclopenta[def...	11.96	16.9	ng	917328	4	11.34	1088590	20.0
Phenanthrene, 2,7...	12.39	7.2	ng	389171	4	11.34	1088590	20.0
7,12-Dihydrobenzo...	14.88	10.9	ng	343074	6	15.47	626425	20.0
Benzo[e]pyrene	15.15	28.6	ng	895596	6	15.47	626425	20.0
Dinaphtho[1,2-b:1...	15.23	6.6	ng	205686	6	15.47	626425	20.0
Anthracene, 9-phe...	15.29	20.5	ng	641592	6	15.47	626425	20.0
11H-Indeno[2,1-a]...	15.64	6.4	ng	201387	6	15.47	626425	20.0
3,4-Dibromobenzal...	16.03	10.5	ng	329421	6	15.47	626425	20.0
Dibenzo[def,mno]c...	16.80	9.2	ng	288130	6	15.47	626425	20.0
Benzo[b]triphenylene	17.19	15.8	ng	493454	6	15.47	626425	20.0