

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
 Data File : BF101089.D
 Acq On : 4 Dec 2017 11:22
 Operator : SJ/JU
 Sample : I6642-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENN-1-E(0-1)

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-BF113017.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	5.457	570	573	582	rBB	144612	143802	10.10%	0.778%
2	6.469	742	745	753	rBV	166178	156032	10.96%	0.844%
3	6.610	766	769	773	rBV	196752	162670	11.42%	0.880%
4	6.845	805	809	812	rBV	346157	276844	19.44%	1.498%
5	6.998	832	835	838	rBV	165704	127952	8.99%	0.692%
6	7.404	901	904	908	rBV	123183	95313	6.69%	0.516%
7	8.127	1023	1027	1029	rBV	480043	385610	27.08%	2.087%
8	8.151	1029	1031	1034	rVB	159251	123734	8.69%	0.670%
9	8.839	1145	1148	1151	rBV	113283	84911	5.96%	0.460%
10	8.939	1161	1165	1169	rBB	78036	61119	4.29%	0.331%
11	9.198	1206	1209	1212	rBV	280823	205484	14.43%	1.112%
12	9.469	1251	1255	1259	rBV2	31814	40497	2.84%	0.219%
13	9.539	1263	1267	1269	rBV	61953	56364	3.96%	0.305%
14	9.745	1298	1302	1304	rVB2	52581	43739	3.07%	0.237%
15	9.880	1323	1325	1328	rVV	451209	415740	29.20%	2.250%
16	9.916	1328	1331	1334	rVB	291629	221422	15.55%	1.198%
17	10.086	1356	1360	1364	rBV	187050	154982	10.88%	0.839%
18	10.427	1415	1418	1424	rVB	201559	184274	12.94%	0.997%
19	10.586	1443	1445	1450	rVB	80790	62769	4.41%	0.340%
20	10.669	1456	1459	1463	rVV2	190687	184484	12.96%	0.998%
21	10.963	1505	1509	1510	rBV	36985	39786	2.79%	0.215%
22	11.104	1528	1533	1535	rBV3	49835	55777	3.92%	0.302%
23	11.127	1535	1537	1542	rVV	47571	52613	3.69%	0.285%
24	11.180	1542	1546	1549	rVV	95215	93525	6.57%	0.506%
25	11.227	1549	1554	1557	rVV2	62141	84804	5.96%	0.459%
26	11.268	1558	1561	1567	rVB	114671	98781	6.94%	0.535%
27	11.374	1575	1579	1581	rBV	498044	488983	34.34%	2.646%
28	11.404	1581	1584	1587	rVV	1613551	1387153	97.42%	7.507%
29	11.451	1587	1592	1594	rVV	402666	374070	26.27%	2.024%
30	11.480	1594	1597	1603	rVB2	37232	47309	3.32%	0.256%
31	11.604	1611	1618	1625	rBV2	177350	221450	15.55%	1.198%
32	11.663	1625	1628	1632	rVV3	45932	49127	3.45%	0.266%
33	11.704	1632	1635	1639	rVV4	43048	52176	3.66%	0.282%
34	11.874	1658	1664	1666	rVV	221000	218111	15.32%	1.180%

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35	11.904	1666	1669	1672	rVB	296574	265763	18.66%	1.438%
36	11.951	1672	1677	1679	rBV	120129	107599	7.56%	0.582%
37	11.986	1679	1683	1685	rVV	282576	301746	21.19%	1.633%
38	12.010	1685	1687	1690	rVB	137252	113965	8.00%	0.617%
39	12.051	1691	1694	1697	rBV3	40128	41176	2.89%	0.223%
40	12.168	1711	1714	1716	rBV	156912	118724	8.34%	0.643%
41	12.198	1716	1719	1723	rVB	125154	102531	7.20%	0.555%
42	12.315	1734	1739	1742	rBV3	53882	59979	4.21%	0.325%
43	12.368	1746	1748	1751	rVB	48980	43245	3.04%	0.234%
44	12.421	1751	1757	1760	rBV	115102	140026	9.83%	0.758%
45	12.463	1760	1764	1769	rVB3	82678	124596	8.75%	0.674%
46	12.515	1769	1773	1777	rVB2	107531	130503	9.16%	0.706%
47	12.592	1781	1786	1789	rBV	1368801	1369360	96.17%	7.411%
48	12.651	1794	1796	1798	rVV2	50474	41540	2.92%	0.225%
49	12.680	1798	1801	1803	rVB2	36662	40186	2.82%	0.217%
50	12.739	1803	1811	1813	rBV3	60781	105668	7.42%	0.572%
51	12.821	1819	1825	1830	rBV2	1176884	1423938	100.00%	7.706%
52	12.862	1830	1832	1837	rVB2	96098	101123	7.10%	0.547%
53	12.951	1837	1847	1849	rBV2	265317	331561	23.28%	1.794%
54	12.974	1849	1851	1854	rVB	97896	87608	6.15%	0.474%
55	13.039	1856	1862	1865	rBV2	100477	178997	12.57%	0.969%
56	13.115	1872	1875	1877	rBV4	85194	95366	6.70%	0.516%
57	13.145	1877	1880	1883	rVB	135071	140483	9.87%	0.760%
58	13.210	1888	1891	1893	rVV	75858	57342	4.03%	0.310%
59	13.245	1893	1897	1900	rVV2	147207	184836	12.98%	1.000%
60	13.274	1900	1902	1905	rVV3	37958	38049	2.67%	0.206%
61	13.339	1910	1913	1916	rVV	74322	73700	5.18%	0.399%
62	13.368	1916	1918	1926	rVB2	91682	119249	8.37%	0.645%
63	13.527	1941	1945	1946	rBV2	33102	42685	3.00%	0.231%
64	13.651	1964	1966	1970	rVB	123053	119459	8.39%	0.647%
65	13.762	1981	1985	1987	rBV	114854	120966	8.50%	0.655%
66	13.792	1987	1990	1992	rVB	92555	79200	5.56%	0.429%
67	13.815	1992	1994	1995	rBV	62537	46896	3.29%	0.254%
68	13.862	2000	2002	2006	rVB	133072	110215	7.74%	0.596%
69	13.933	2009	2014	2019	rBV	30878	66841	4.69%	0.362%
70	14.009	2019	2027	2031	rBV2	666783	1068139	75.01%	5.781%
71	14.045	2031	2033	2036	rVB	472701	354429	24.89%	1.918%

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72	14.121	2044	2046	2048	rBV	56112	40369	2.84%	0.218%
73	14.162	2050	2053	2055	rVV3	40906	45356	3.19%	0.245%
74	14.204	2058	2060	2063	rVV	43114	45723	3.21%	0.247%
75	14.245	2063	2067	2069	rVV2	63238	78852	5.54%	0.427%
76	14.362	2084	2087	2089	rVV2	41726	51448	3.61%	0.278%
77	14.404	2089	2094	2097	rVV	121721	153257	10.76%	0.829%
78	14.433	2097	2099	2103	rVV	69622	80677	5.67%	0.437%
79	14.480	2103	2107	2109	rVV3	45950	81985	5.76%	0.444%
80	14.527	2112	2115	2117	rVV	69281	78041	5.48%	0.422%
81	14.551	2117	2119	2122	rVV3	53608	58965	4.14%	0.319%
82	14.598	2124	2127	2133	rVV3	52113	73461	5.16%	0.398%
83	14.715	2144	2147	2150	rBV	49147	50332	3.53%	0.272%
84	14.892	2174	2177	2182	rBV2	49536	76893	5.40%	0.416%
85	15.062	2200	2206	2216	rVV	391379	821111	57.66%	4.444%
86	15.168	2221	2224	2227	rVB	86993	87097	6.12%	0.471%
87	15.256	2235	2239	2240	rBV2	37380	39221	2.75%	0.212%
88	15.362	2253	2257	2263	rVB	234941	317110	22.27%	1.716%
89	15.427	2263	2268	2273	rVB	354384	426701	29.97%	2.309%
90	15.492	2274	2279	2282	rVV	254725	336248	23.61%	1.820%
91	15.521	2282	2284	2290	rVB2	116288	144058	10.12%	0.780%
92	15.703	2311	2315	2320	rVB7	21163	41375	2.91%	0.224%
93	15.921	2348	2352	2357	rBV4	23554	39543	2.78%	0.214%
94	16.415	2432	2436	2441	rVB6	18965	38213	2.68%	0.207%
95	16.768	2489	2496	2499	rBV2	25836	53546	3.76%	0.290%
96	16.968	2523	2530	2539	rBV	163923	324100	22.76%	1.754%
97	17.139	2551	2559	2564	rBV	44093	99472	6.99%	0.538%
98	17.197	2564	2569	2574	rVV2	30308	60120	4.22%	0.325%
99	17.421	2600	2607	2617	rVB	121079	266340	18.70%	1.441%
100	17.650	2641	2646	2655	rBV3	27689	68673	4.82%	0.372%

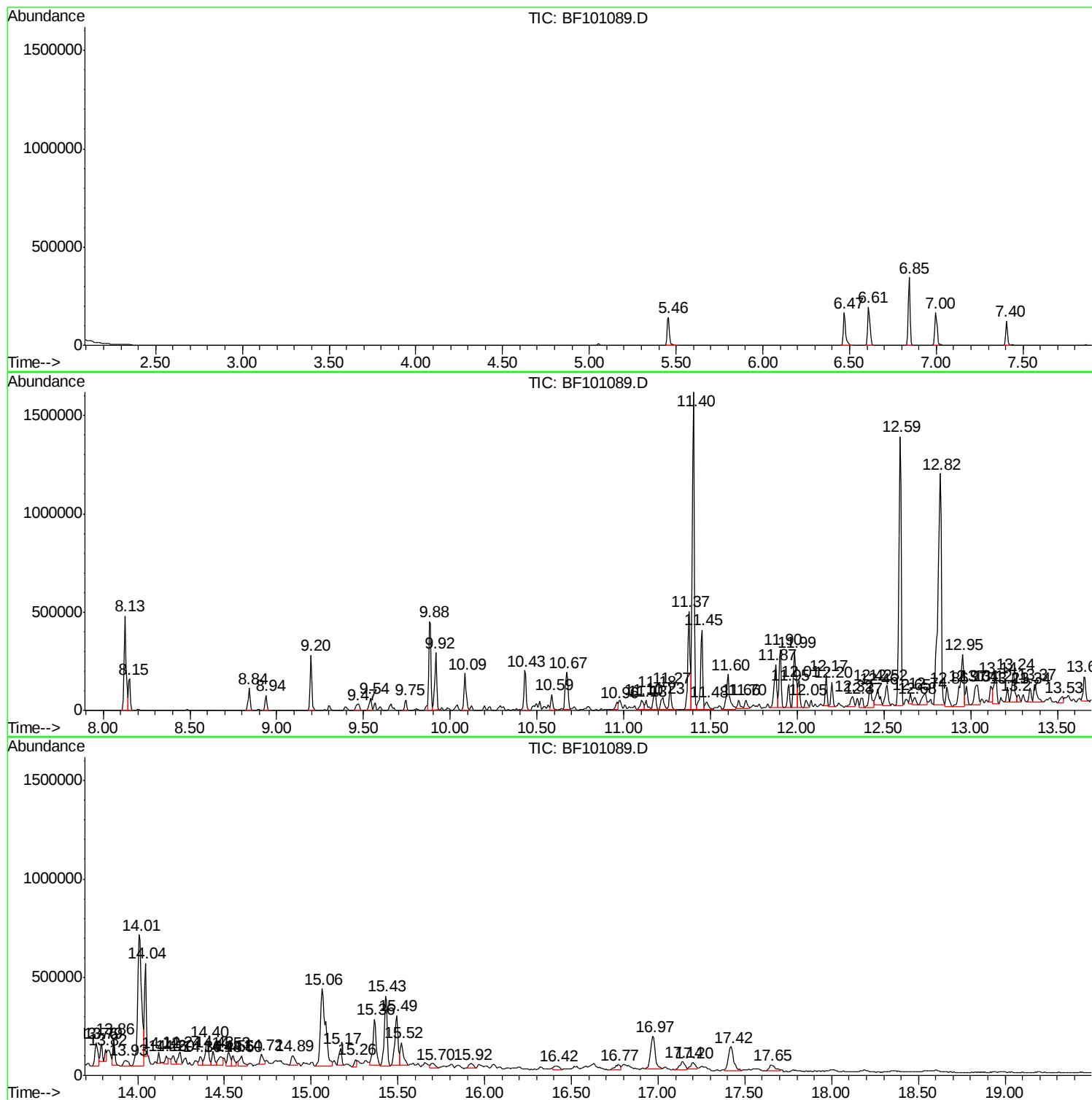
Sum of corrected areas: 18477383

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.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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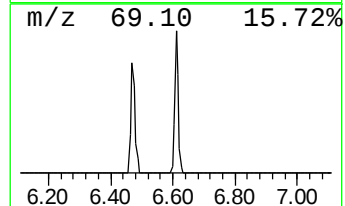
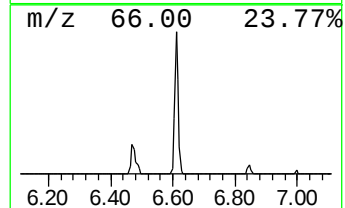
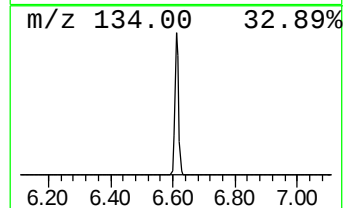
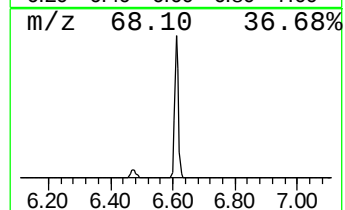
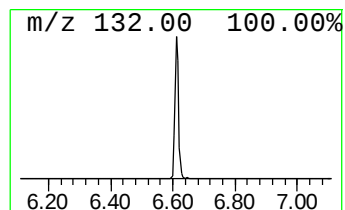
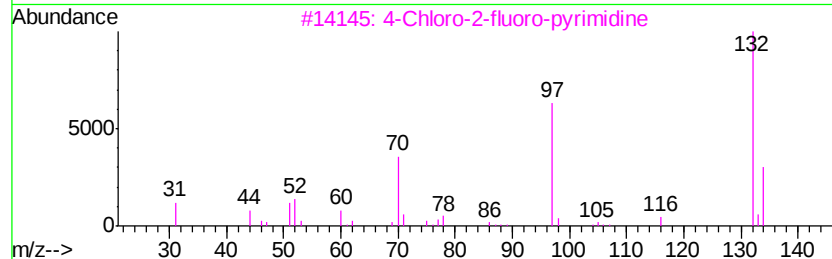
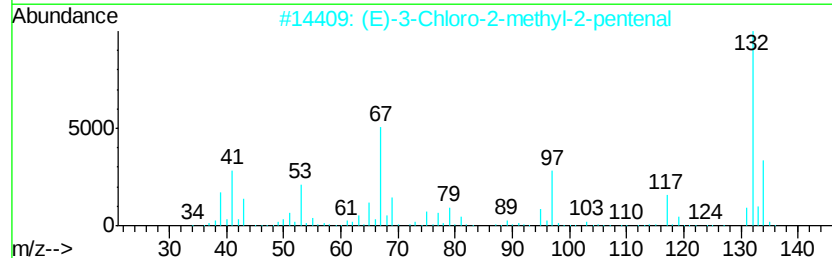
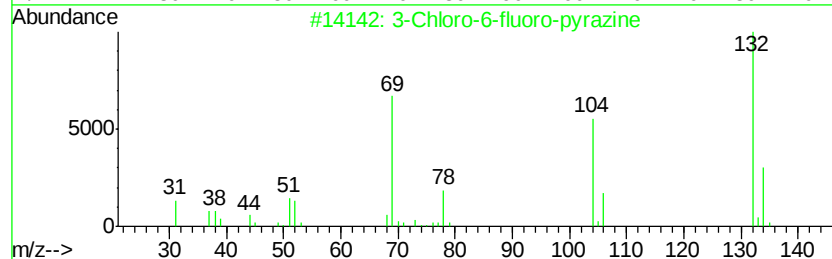
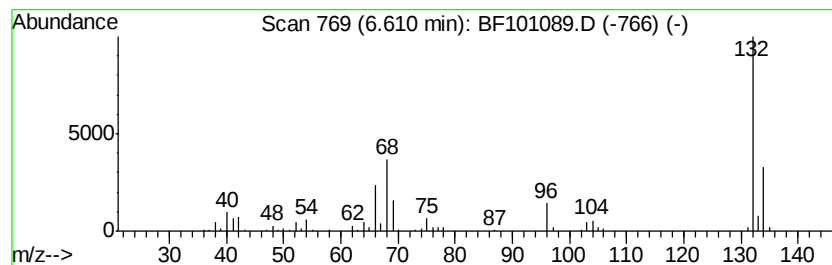
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.61 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	11.75 ng	162670	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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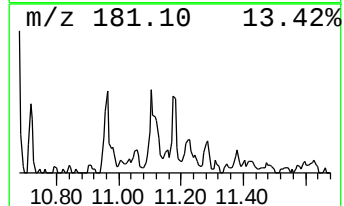
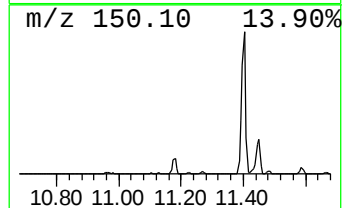
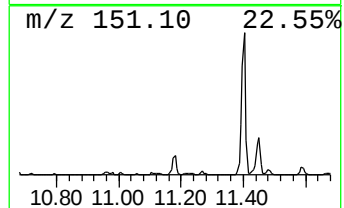
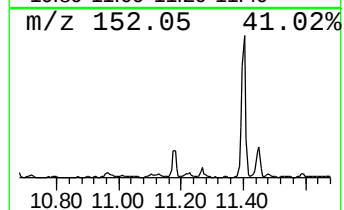
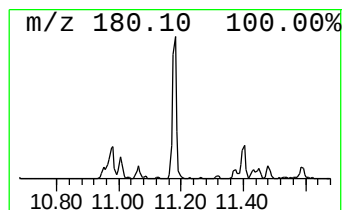
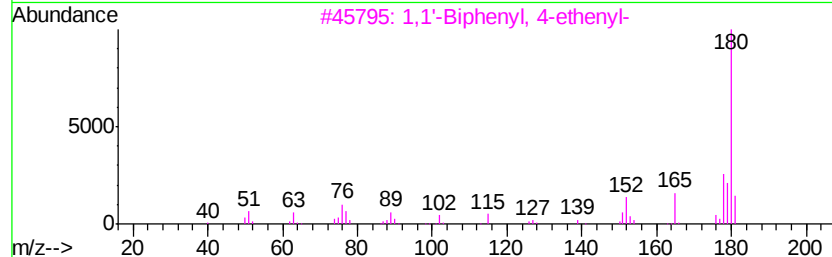
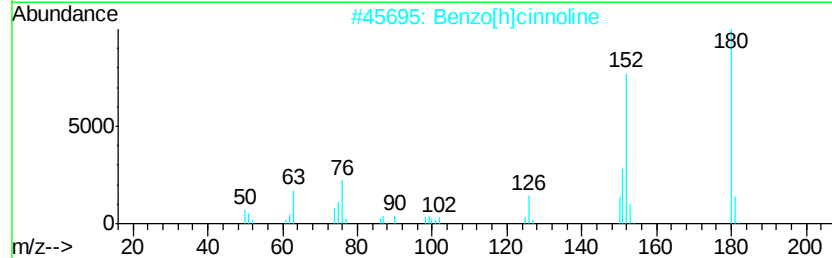
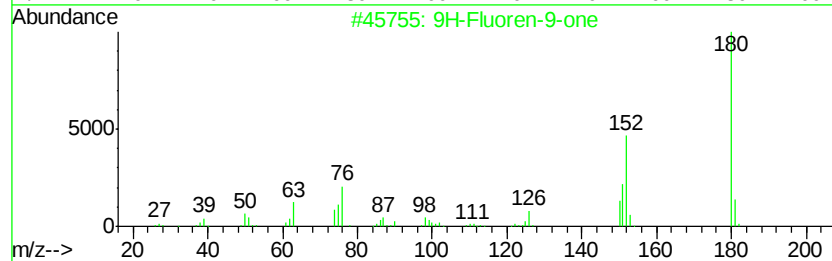
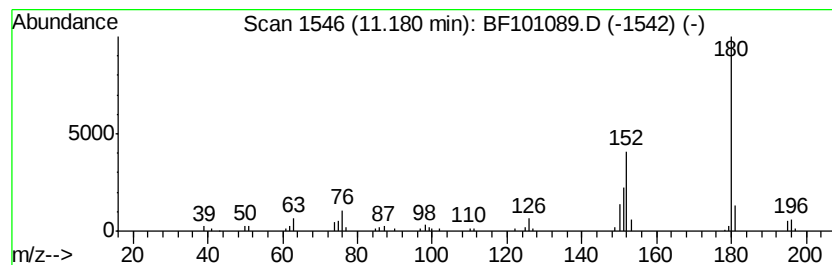
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	3.83 ng	93525	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3		1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	50
4		9H-Carbazole, 9-ethyl-	195	C14H13N	000086-28-2	49
5		1H-Phenalen-1-one	180	C13H8O	000548-39-0	47



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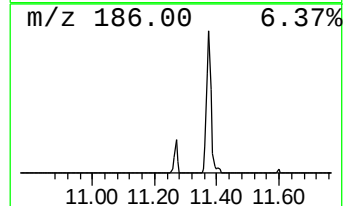
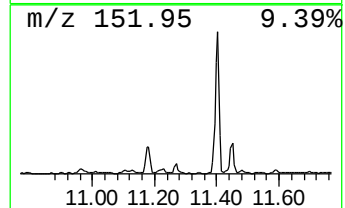
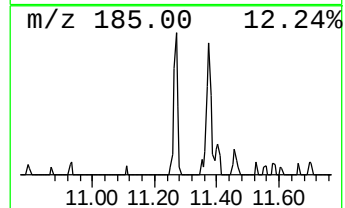
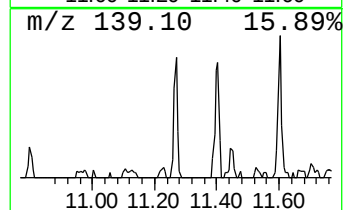
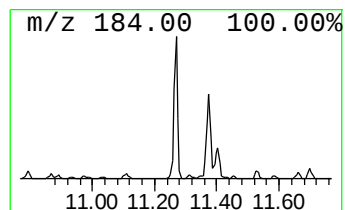
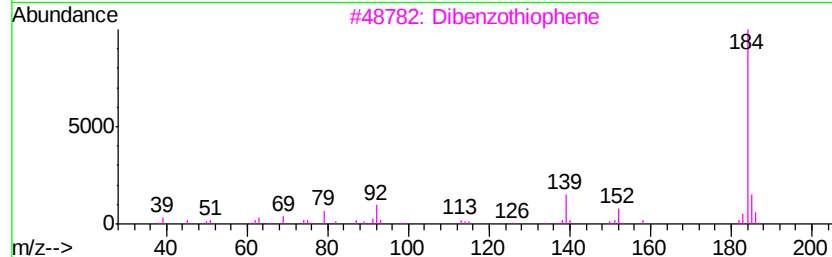
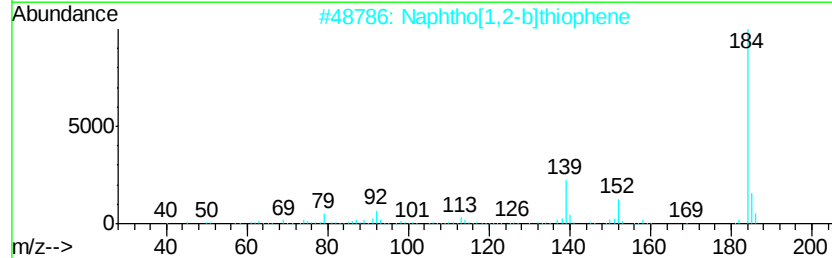
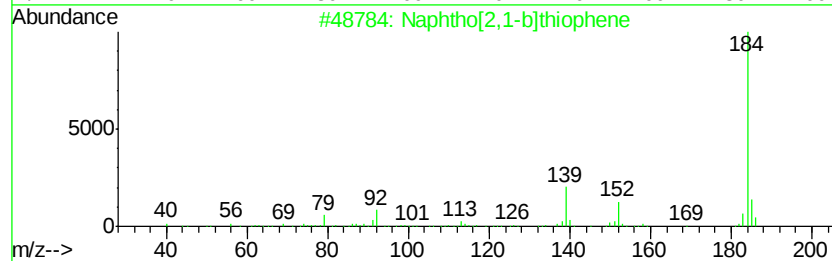
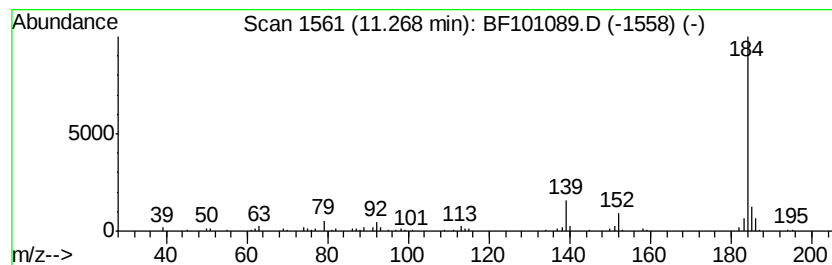
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphtho[2,1-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	4.04 ng	98781	Phenanthrene-d10	11.37

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
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Operator : SJ/JU
Sample : I6642-01 5X
Misc :
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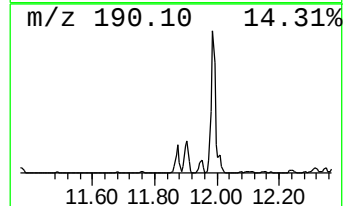
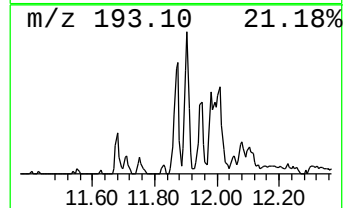
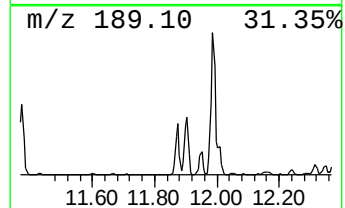
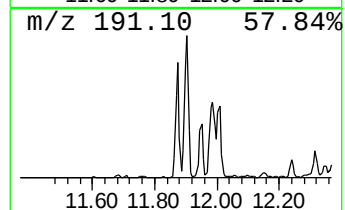
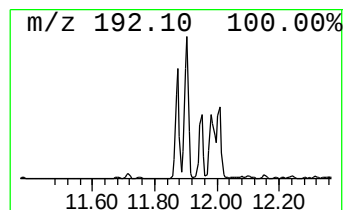
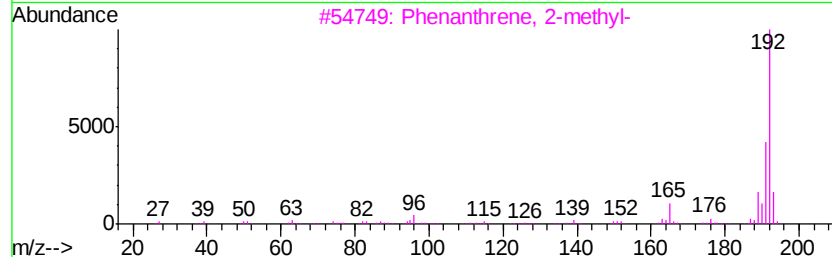
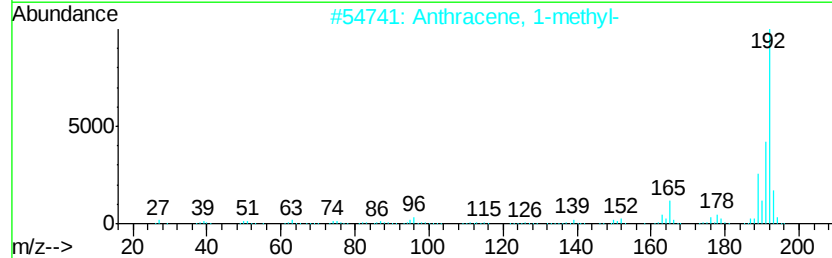
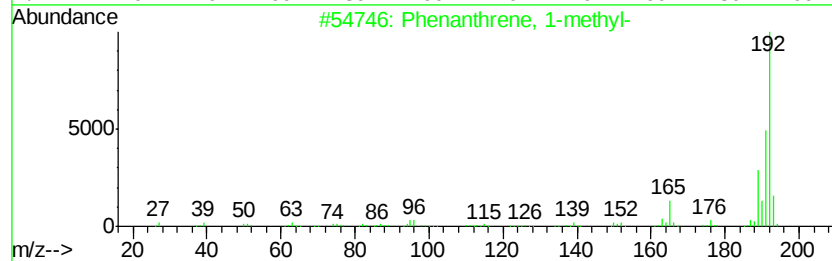
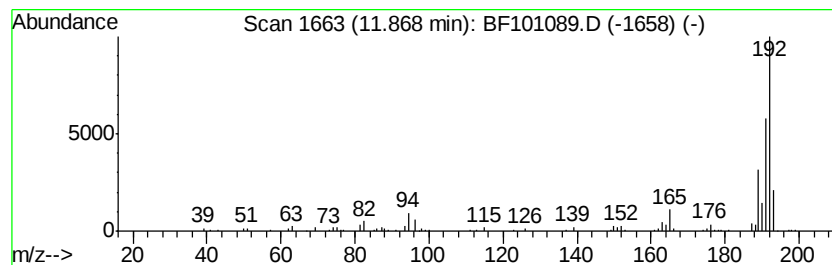
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ClientSampleId :
PENN-1-E(0-1)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.87	8.92 ng	218111	Phenanthrene-d10	11.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
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ClientSampleId :
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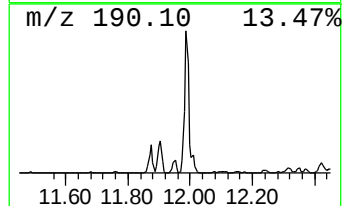
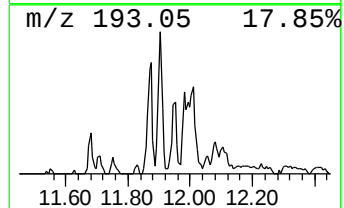
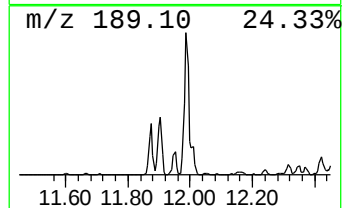
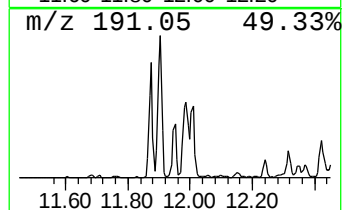
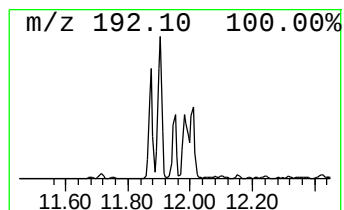
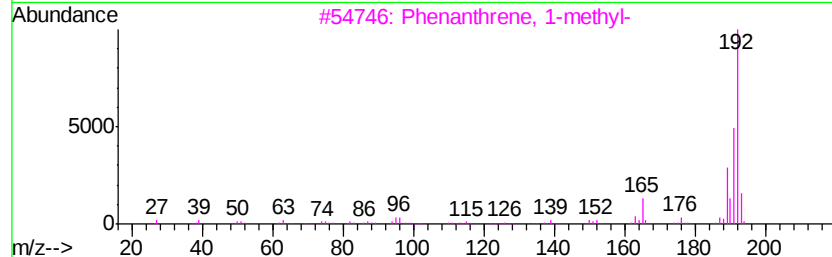
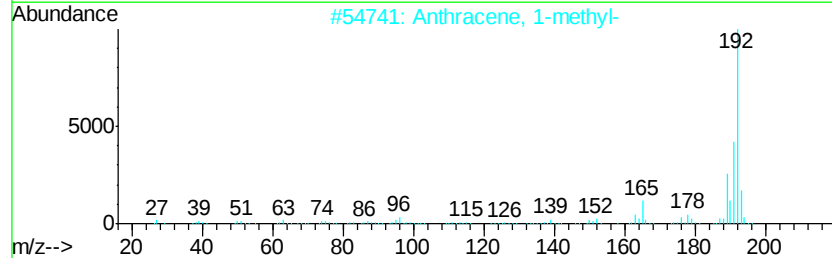
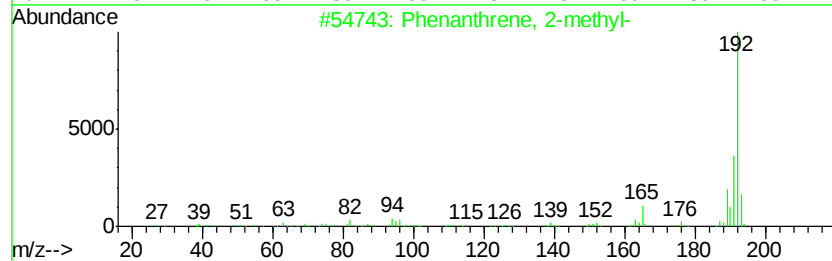
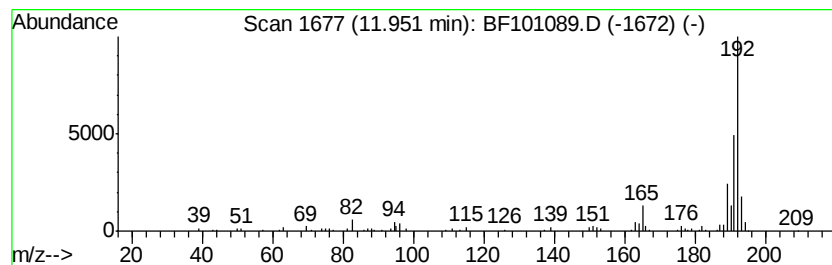
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	4.40 ng	107599	Phenanthrene-d10	11.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101089.D
Acq On : 4 Dec 2017 11:22
Operator : SJ/JU
Sample : I6642-01 5X
Misc :
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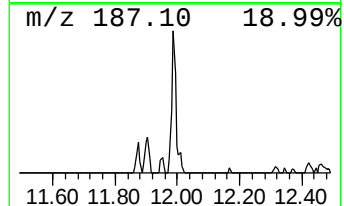
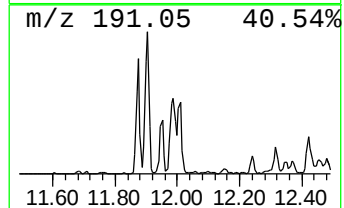
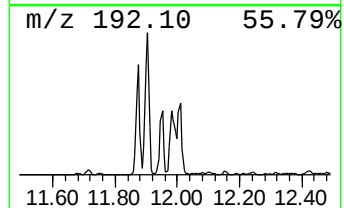
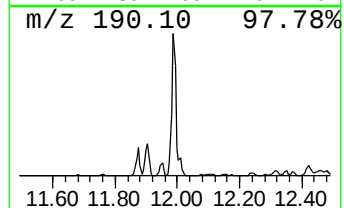
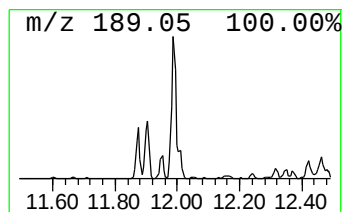
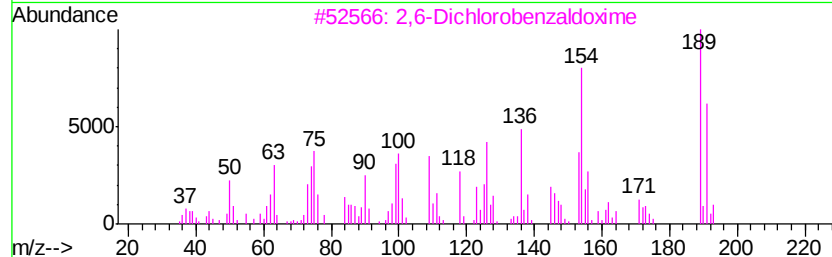
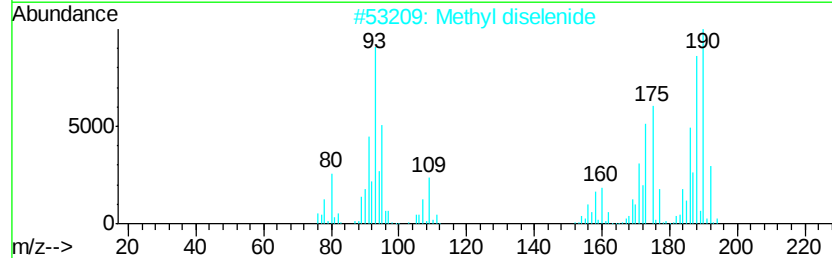
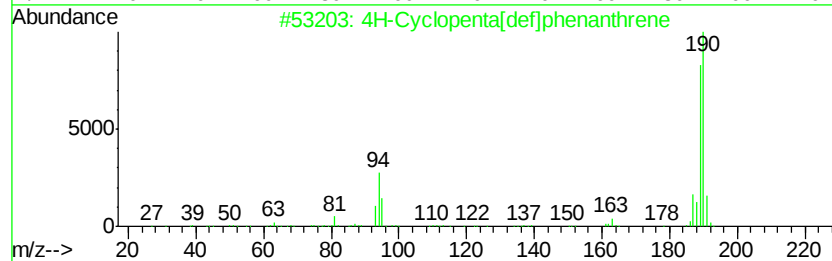
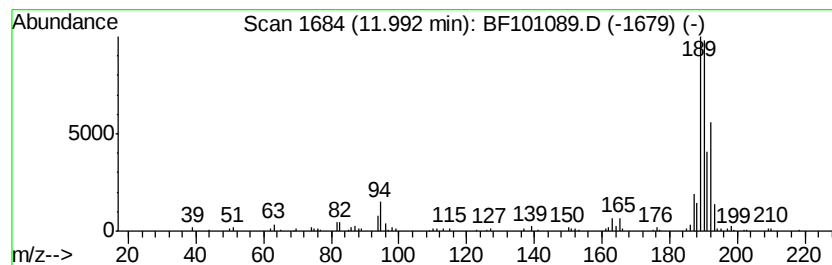
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.99	12.34 ng	301746	Phenanthrene-d10	11.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	2,6-Dichlorobenzaloxime	189	C7H5Cl2NO	025185-95-9	30
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101089.D
Acq On : 4 Dec 2017 11:22
Operator : SJ/JU
Sample : I6642-01 5X
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ALS Vial : 5 Sample Multiplier: 1

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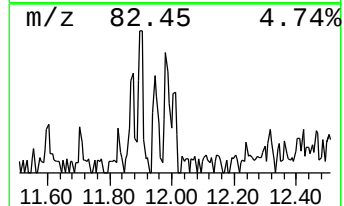
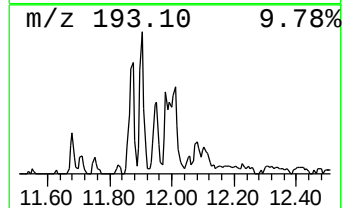
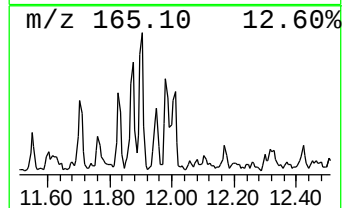
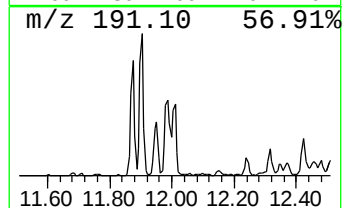
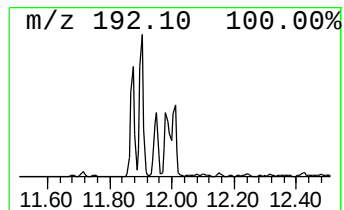
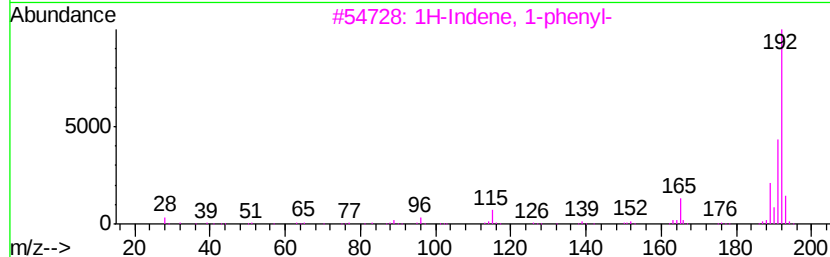
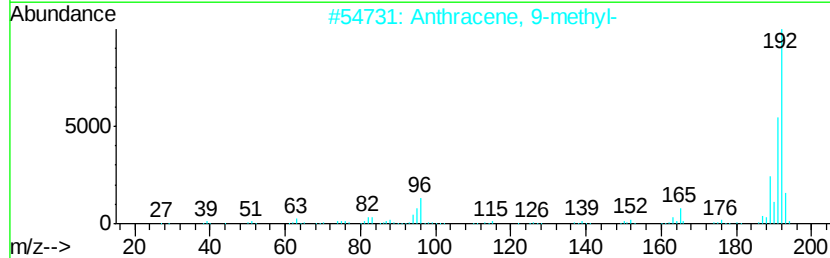
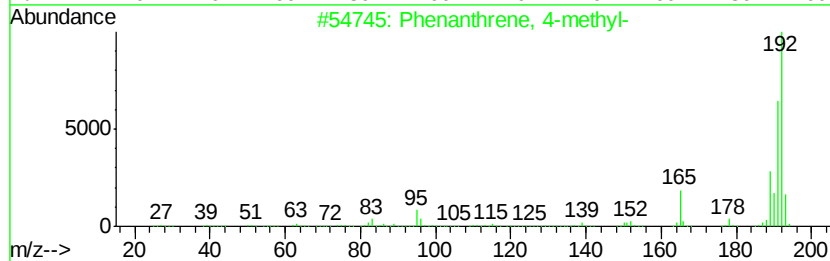
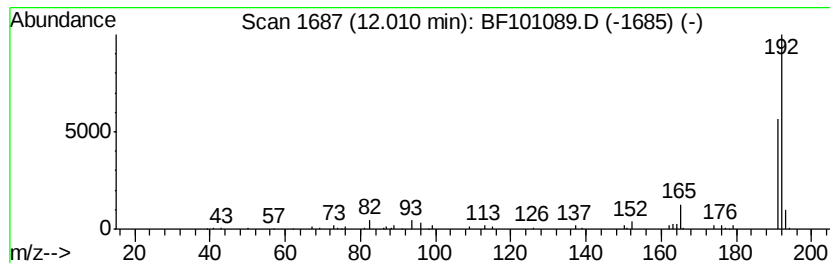
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	4.66 ng	113965	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	72
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
3		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	72
4		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	72
5		Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
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Acq On : 4 Dec 2017 11:22
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Misc :
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Instrument :
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ClientSampleId :
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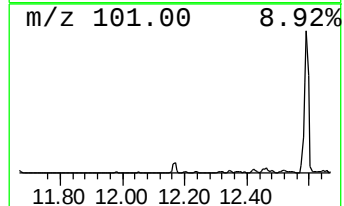
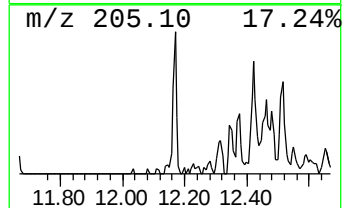
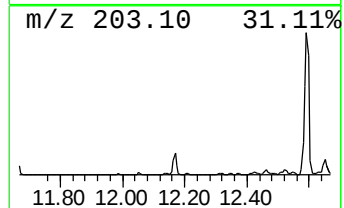
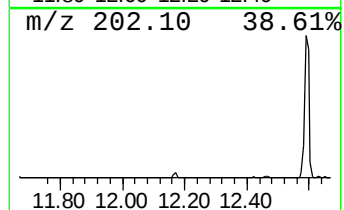
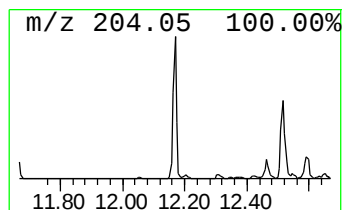
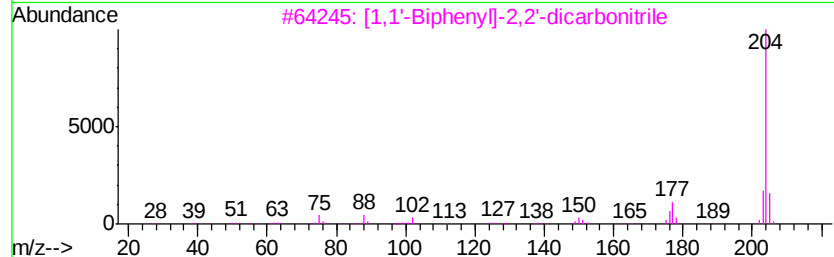
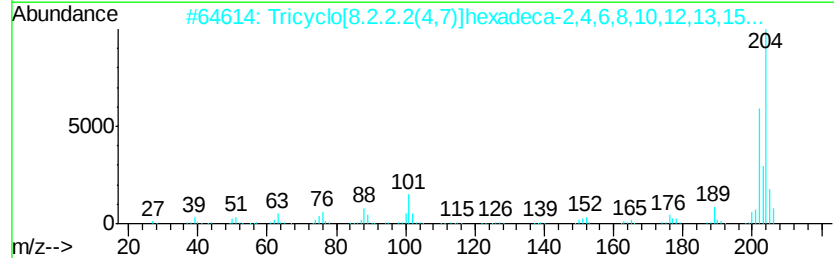
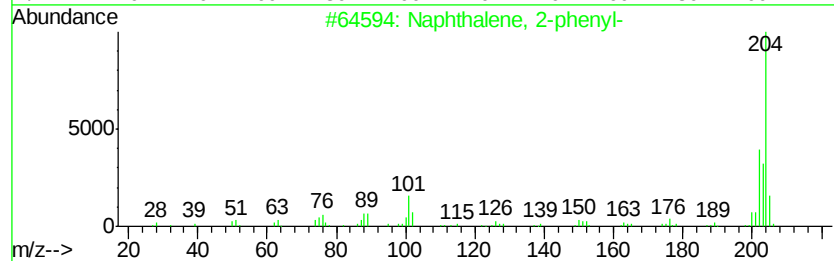
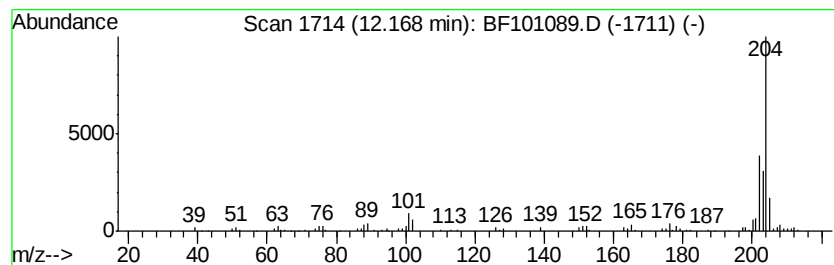
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	4.86 ng	118724	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4		Levamisole	204	C11H12N2S	014769-73-4	47
5		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101089.D
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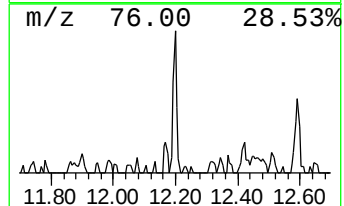
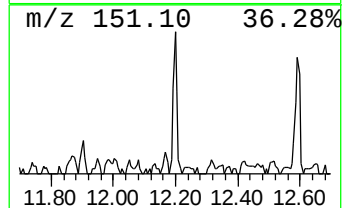
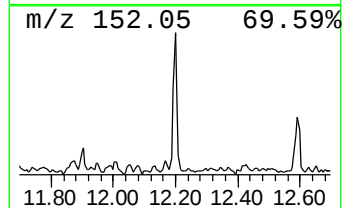
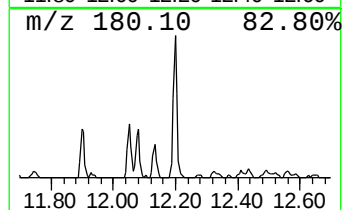
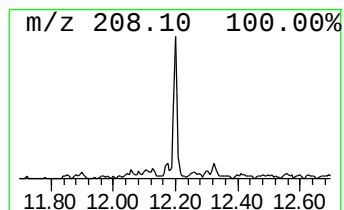
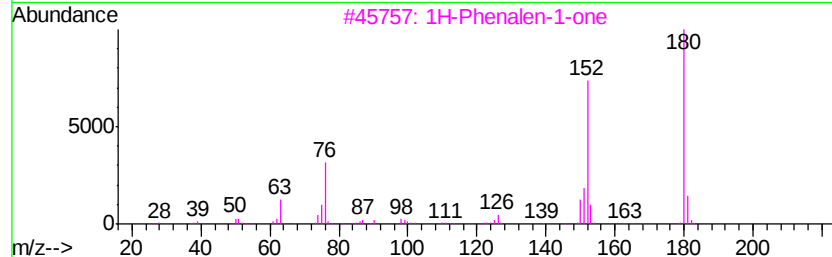
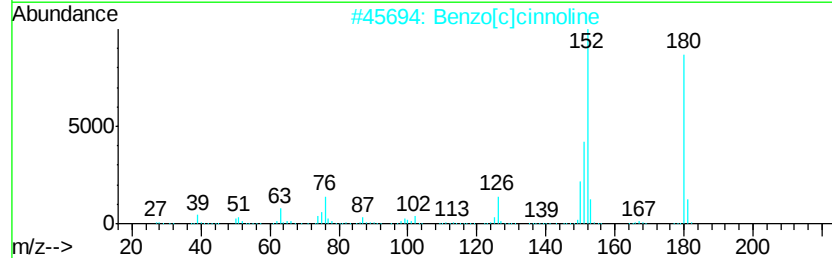
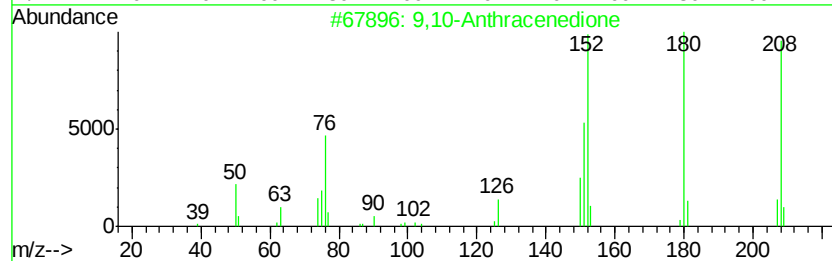
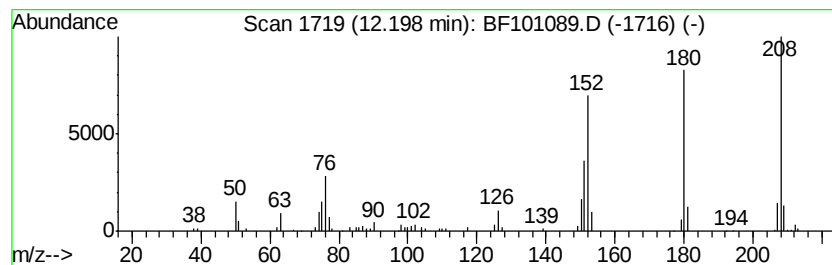
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	4.19 ng	102531	Phenanthrene-d10	11.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
3			1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4			9H-Fluoren-9-one	180	C13H8O	000486-25-9	52
5			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101089.D
Acq On : 4 Dec 2017 11:22
Operator : SJ/JU
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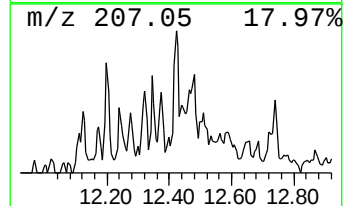
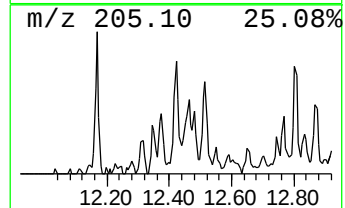
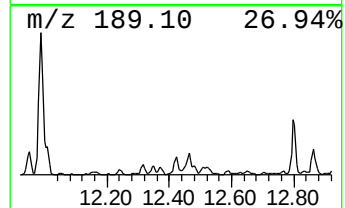
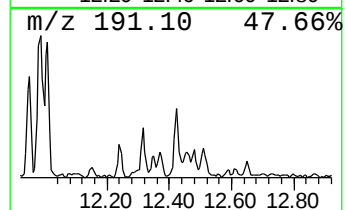
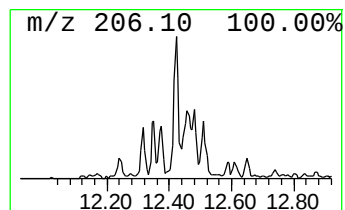
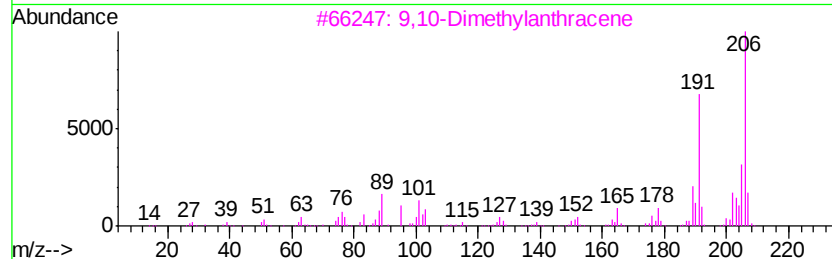
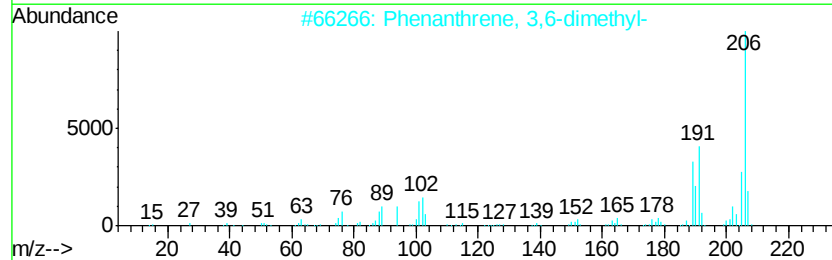
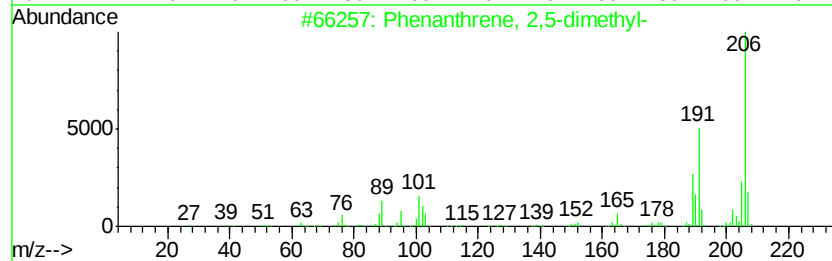
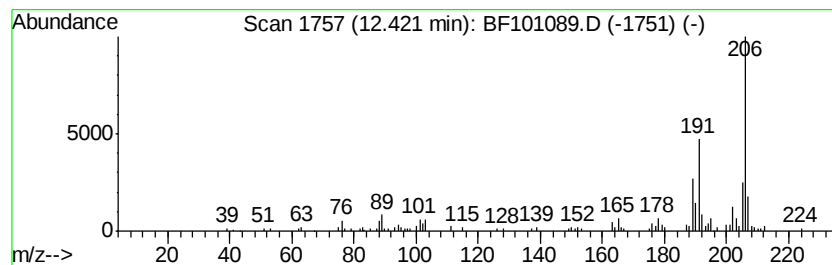
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	5.73 ng	140026	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101089.D
Acq On : 4 Dec 2017 11:22
Operator : SJ/JU
Sample : I6642-01 5X
Misc :
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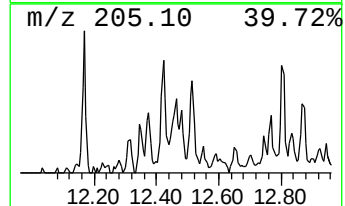
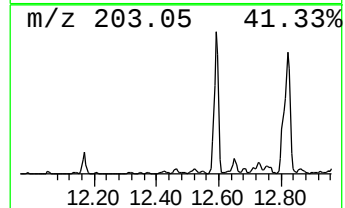
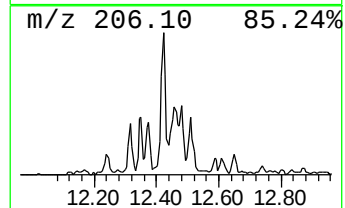
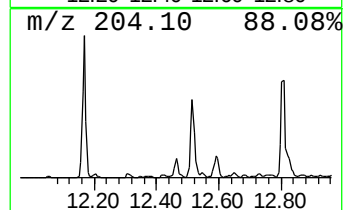
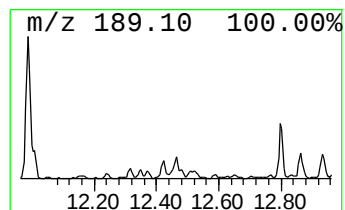
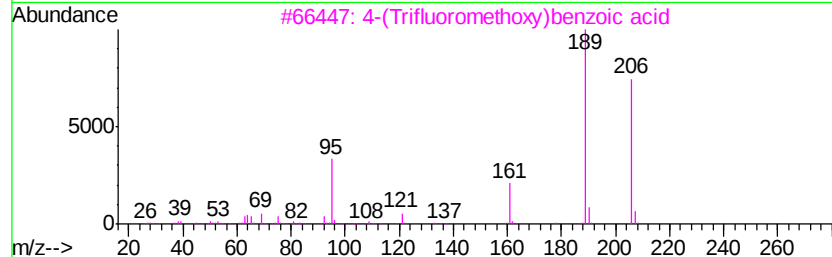
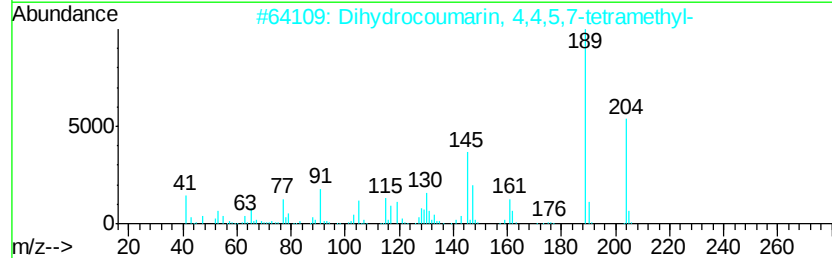
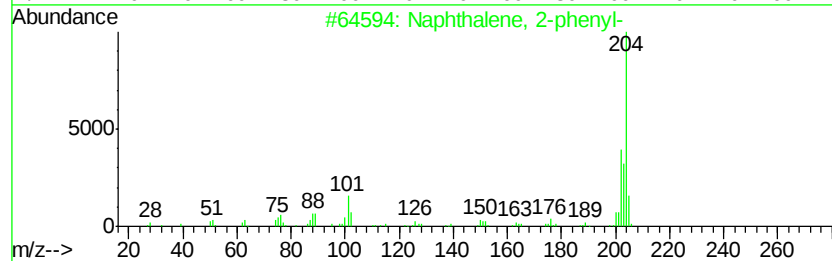
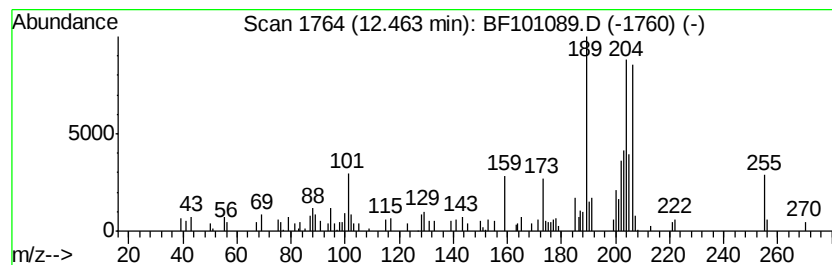
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown12.46 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.46	5.10 ng	124596	Phenanthrene-d10	11.37		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
2		Dihydrocoumarin, 4,4,5,7-tetrame...	204	C13H16O2	040662-14-4	30
3		4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	30
4		2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	27
5		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101089.D
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Sample : I6642-01 5X
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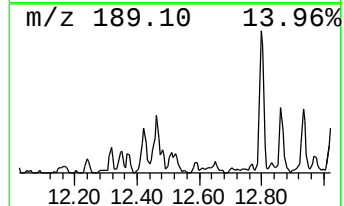
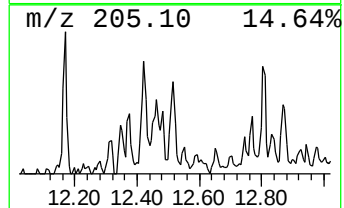
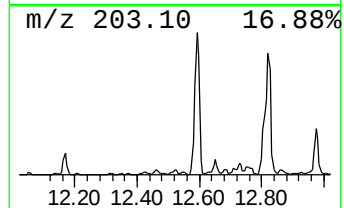
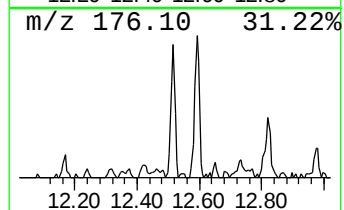
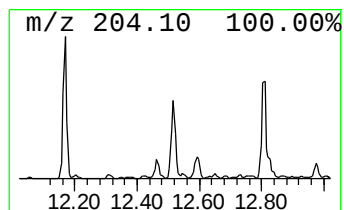
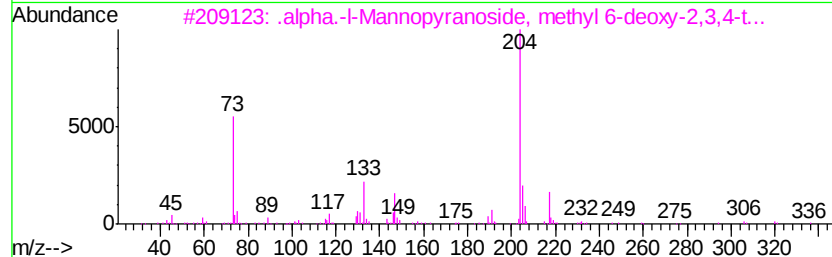
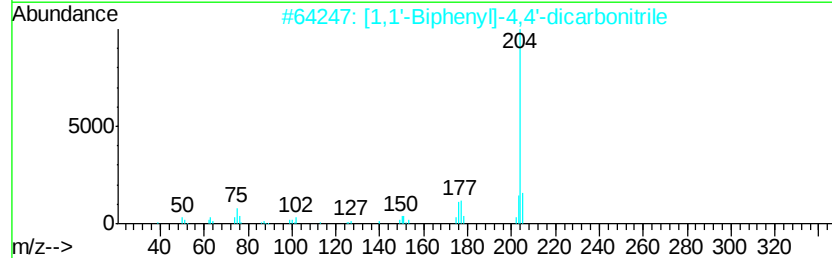
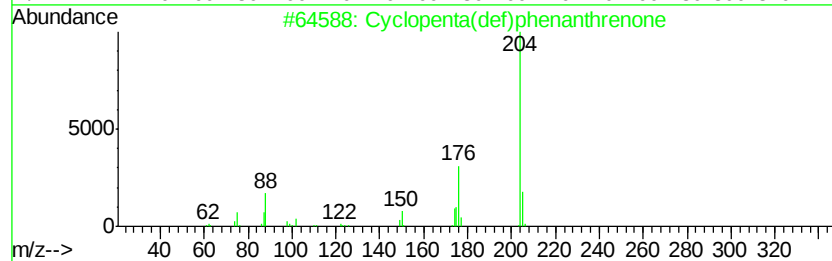
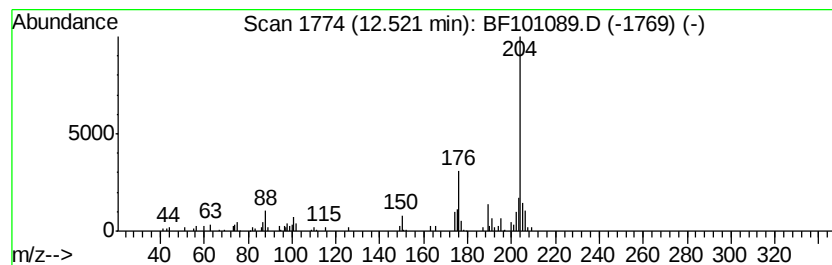
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	5.34 ng	130503	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3		.alpha.-l-Mannopyranoside, methy...	394	C16H38O5Si3	056271-60-4	43
4		.alpha.-D-Mannopyranoside, methy...	482	C19H46O6Si4	001769-06-8	43
5		Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101089.D
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ClientSampleId :
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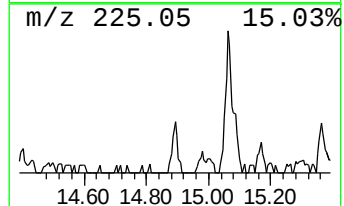
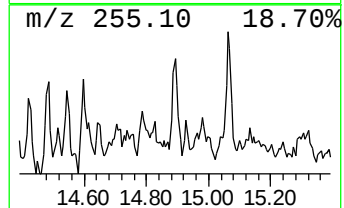
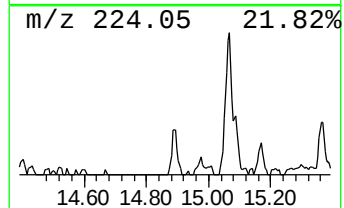
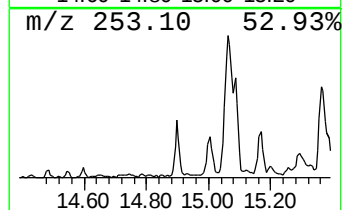
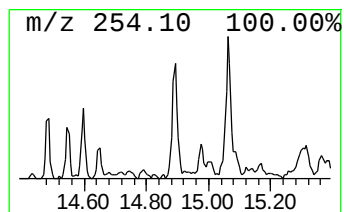
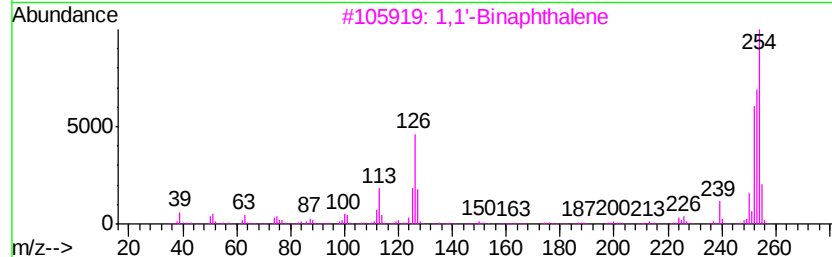
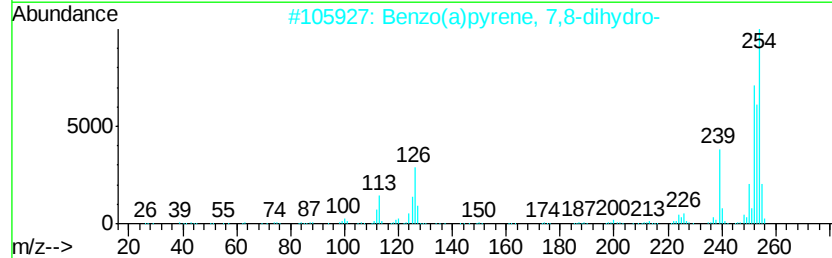
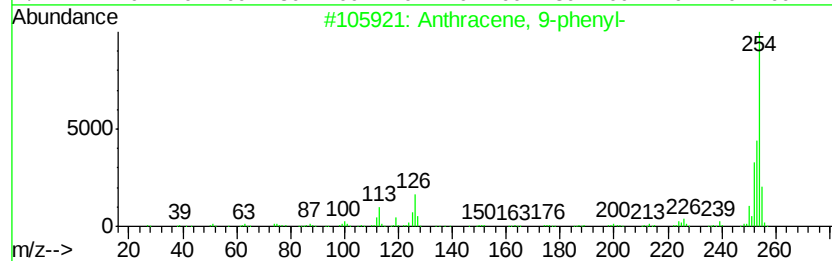
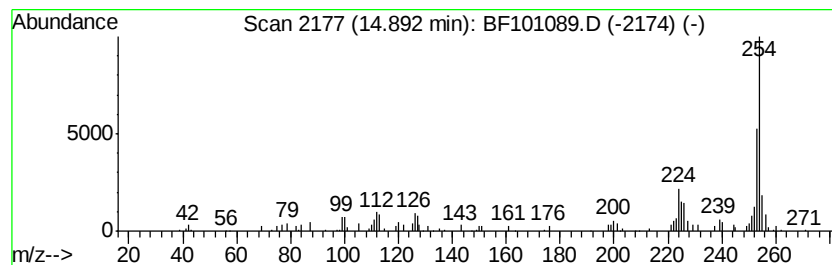
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Anthracene, 9-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	4.57 ng	76893	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	74
2		Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	70
3		1,1'-Binaphthalene	254	C20H14	000604-53-5	70
4		Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	68
5		1,2'-Binaphthalene	254	C20H14	004325-74-0	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
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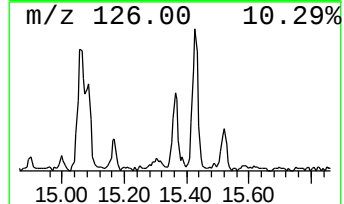
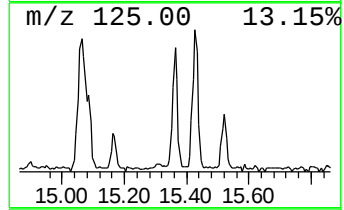
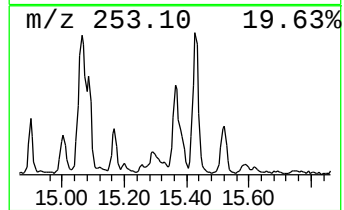
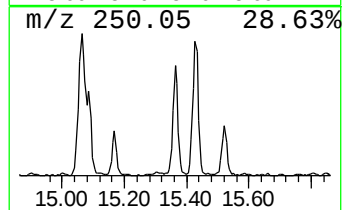
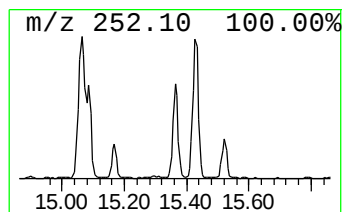
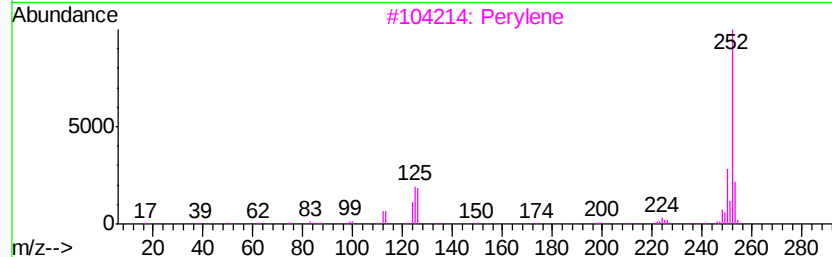
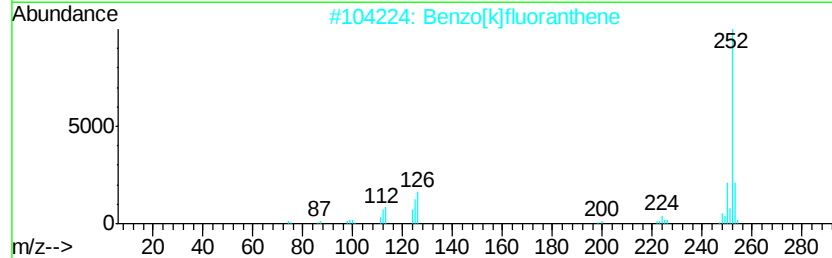
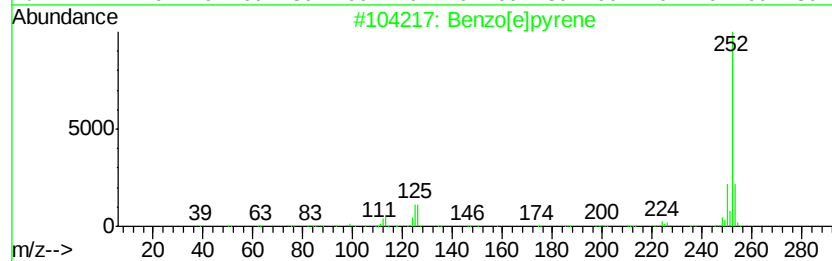
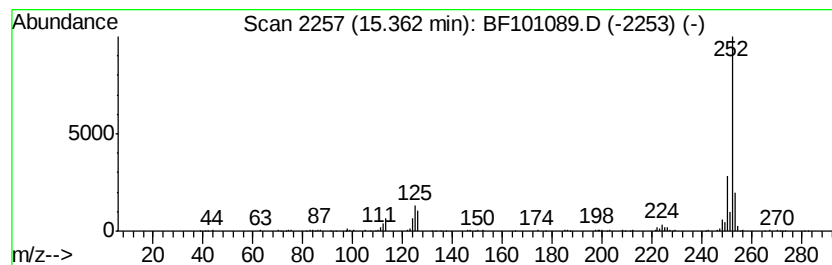
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.36	18.86 ng	317110	Perylene-d12	15.49	
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	Perylene	252	C20H12	000198-55-0	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101089.D
Acq On : 4 Dec 2017 11:22
Operator : SJ/JU
Sample : I6642-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PENN-1-E(0-1)

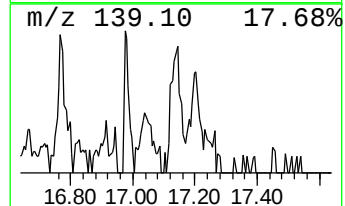
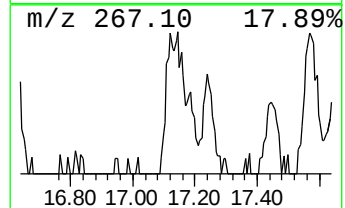
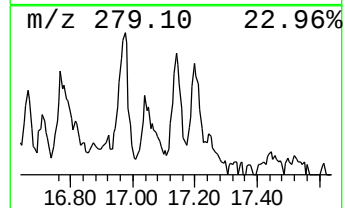
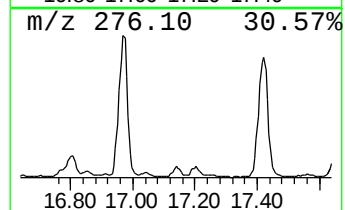
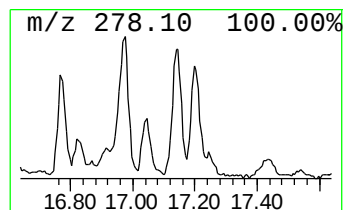
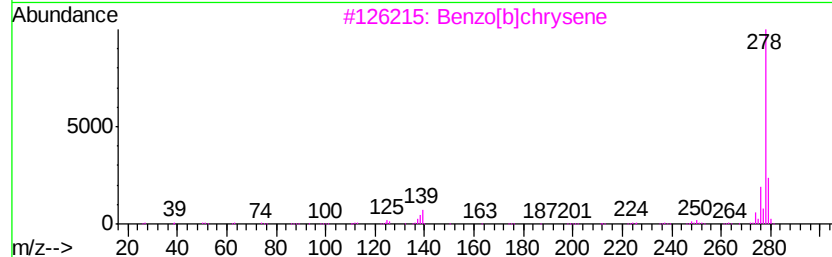
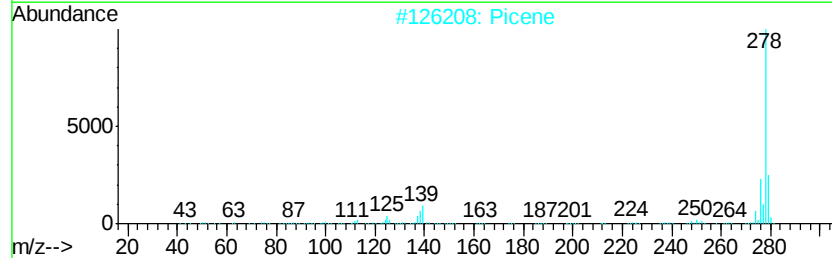
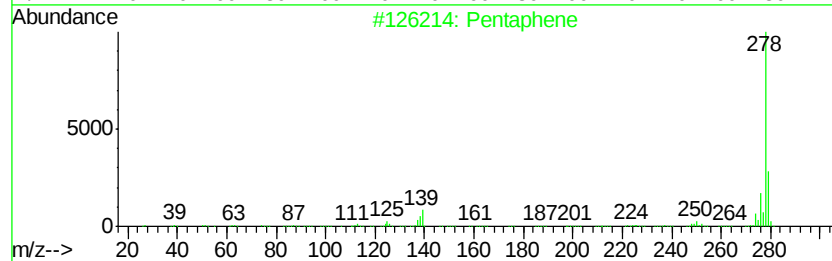
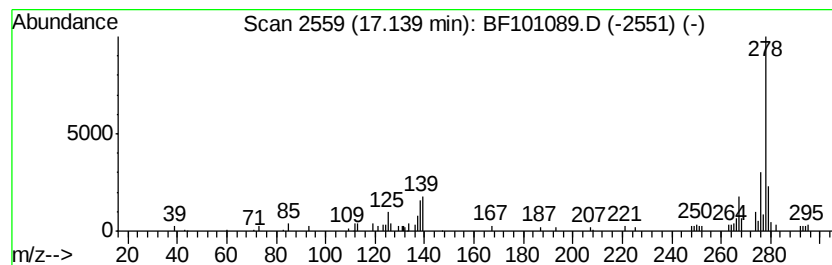
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Pentaphene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	5.92 ng	99472	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentaphene	278	C22H14	000222-93-5	95
2		Picene	278	C22H14	000213-46-7	93
3		Benzo[b]chrysene	278	C22H14	000214-17-5	93
4		Benzo[b]triphenylene	278	C22H14	000215-58-7	91
5		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101089.D
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ALS Vial : 5 Sample Multiplier: 1

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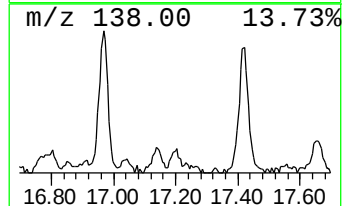
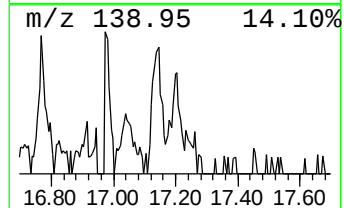
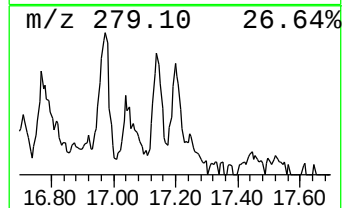
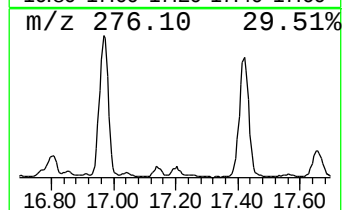
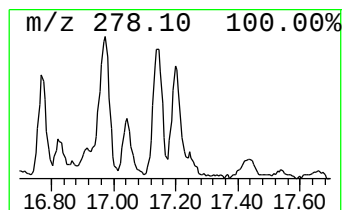
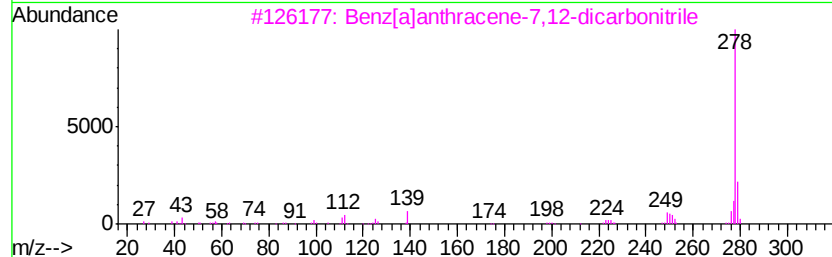
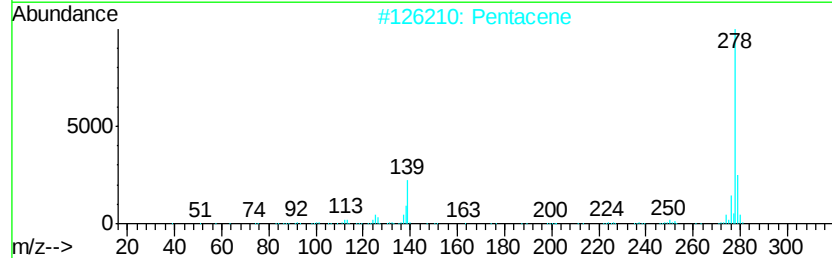
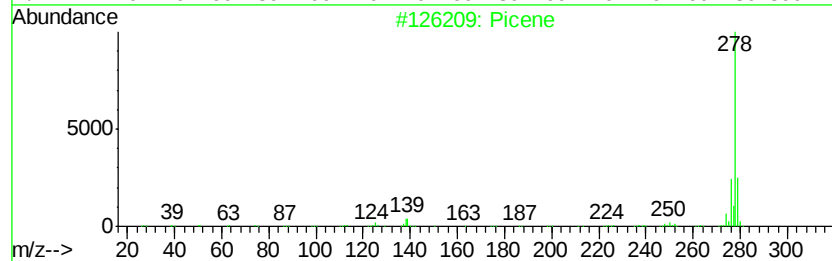
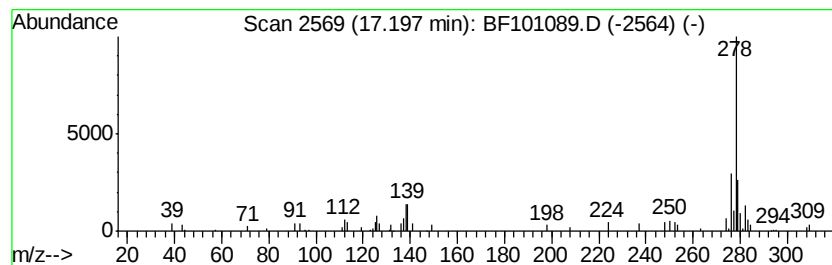
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	3.58 ng	60120	Perylene-d12	15.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Picene	278	C22H14	000213-46-7	70
2			Pentacene	278	C22H14	000135-48-8	64
3			Benz[<i>a</i>]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	64
4			Benzo[<i>b</i>]chrysene	278	C22H14	000214-17-5	62
5			Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
 Data File : BF101089.D
 Acq On : 4 Dec 2017 11:22
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 Sample : I6642-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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
unknown6.61	6.61	11.8	ng	162670	1	6.85	276844	20.0
9H-Fluoren-9-one	11.18	3.8	ng	93525	4	11.37	488983	20.0
Naphtho[2,1-b]thi...	11.27	4.0	ng	98781	4	11.37	488983	20.0
Phenanthrene, 1-m...	11.87	8.9	ng	218111	4	11.37	488983	20.0
Phenanthrene, 2-m...	11.95	4.4	ng	107599	4	11.37	488983	20.0
4H-Cyclopenta[def...	11.99	12.3	ng	301746	4	11.37	488983	20.0
Phenanthrene, 4-m...	12.01	4.7	ng	113965	4	11.37	488983	20.0
Naphthalene, 2-ph...	12.17	4.9	ng	118724	4	11.37	488983	20.0
9,10-Anthracenedione	12.20	4.2	ng	102531	4	11.37	488983	20.0
Phenanthrene, 2,5...	12.42	5.7	ng	140026	4	11.37	488983	20.0
unknown12.46	12.46	5.1	ng	124596	4	11.37	488983	20.0
Cyclopenta(def)ph...	12.52	5.3	ng	130503	4	11.37	488983	20.0
Anthracene, 9-phe...	14.89	4.6	ng	76893	6	15.49	336248	20.0
Benzo[e]pyrene	15.36	18.9	ng	317110	6	15.49	336248	20.0
Pentaphene	17.14	5.9	ng	99472	6	15.49	336248	20.0
Picene	17.20	3.6	ng	60120	6	15.49	336248	20.0