

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100917\
 Data File : BF099277.D
 Acq On : 9 Oct 2017 22:10
 Operator : SJ/JU
 Sample : I5715-01 50X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-A

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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	5.487	575	578	584	rBV	20795	23953	3.19%	0.261%
2	6.492	747	749	763	rBB	25184	26480	3.53%	0.289%
3	6.633	770	773	779	rBB	40006	32157	4.29%	0.351%
4	6.863	808	812	818	rBV	638410	498636	66.47%	5.439%
5	7.016	835	838	843	rBB	31727	26497	3.53%	0.289%
6	7.428	905	908	914	rBB	15215	15057	2.01%	0.164%
7	8.145	1026	1030	1033	rBV	811029	656317	87.49%	7.158%
8	8.957	1165	1168	1173	rBB	11259	9455	1.26%	0.103%
9	9.216	1209	1212	1219	rBB	48073	37324	4.98%	0.407%
10	9.480	1254	1257	1261	rBB	11011	12357	1.65%	0.135%
11	9.557	1267	1270	1272	rBV	18812	16086	2.14%	0.175%
12	9.757	1302	1304	1308	rBV	18700	16970	2.26%	0.185%
13	9.898	1324	1328	1332	rBV2	773389	669547	89.25%	7.303%
14	9.933	1332	1334	1339	rVB	73725	59134	7.88%	0.645%
15	10.104	1359	1363	1367	rBV	59581	52248	6.96%	0.570%
16	10.445	1418	1421	1428	rBV	89827	76423	10.19%	0.834%
17	10.604	1445	1448	1451	rVB	24795	19625	2.62%	0.214%
18	10.686	1457	1462	1466	rBV2	34668	41321	5.51%	0.451%
19	10.992	1509	1514	1517	rBV2	18215	17450	2.33%	0.190%
20	11.121	1531	1536	1538	rBV2	9687	13346	1.78%	0.146%
21	11.192	1545	1548	1552	rVB	30768	26072	3.48%	0.284%
22	11.233	1552	1555	1558	rVV2	13975	15223	2.03%	0.166%
23	11.280	1561	1563	1568	rVB	26142	23438	3.12%	0.256%
24	11.386	1577	1581	1583	rBV	709514	578846	77.16%	6.313%
25	11.410	1583	1585	1589	rVV	581811	444802	59.29%	4.851%
26	11.463	1589	1594	1597	rVB	191946	155743	20.76%	1.699%
27	11.621	1616	1621	1627	rBV4	10005	21541	2.87%	0.235%
28	11.721	1635	1638	1642	rVB3	11226	11307	1.51%	0.123%
29	11.886	1661	1666	1668	rBV	63055	52625	7.02%	0.574%
30	11.915	1668	1671	1675	rVV	91951	75408	10.05%	0.822%
31	11.963	1676	1679	1682	rVV	45606	36401	4.85%	0.397%
32	11.998	1682	1685	1688	rVV	92654	105663	14.09%	1.152%
33	12.021	1688	1689	1694	rVB	39117	22849	3.05%	0.249%
34	12.180	1713	1716	1719	rBV	41786	33240	4.43%	0.363%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100917\
 Data File : BF099277.D
 Acq On : 9 Oct 2017 22:10
 Operator : SJ/JU
 Sample : I5715-01 50X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.210	1719	1721	1725	rVB2	21901	19651	2.62%	0.214%
36	12.327	1736	1741	1744	rBV3	11637	10780	1.44%	0.118%
37	12.363	1744	1747	1749	rVV	12429	9532	1.27%	0.104%
38	12.433	1756	1759	1762	rBV	30843	30951	4.13%	0.338%
39	12.474	1762	1766	1771	rVB2	18325	30733	4.10%	0.335%
40	12.527	1771	1775	1783	rVB	36667	40090	5.34%	0.437%
41	12.598	1783	1787	1791	rBV	622595	552129	73.60%	6.022%
42	12.663	1796	1798	1801	rVB	15614	11404	1.52%	0.124%
43	12.751	1806	1813	1815	rBV3	16064	20280	2.70%	0.221%
44	12.827	1820	1826	1832	rBV2	488250	522614	69.67%	5.700%
45	12.874	1832	1834	1840	rVB2	25955	27024	3.60%	0.295%
46	12.945	1840	1846	1848	rBV	30444	35404	4.72%	0.386%
47	12.962	1848	1849	1851	rVV	32407	19487	2.60%	0.213%
48	12.986	1851	1853	1856	rVB2	20035	18504	2.47%	0.202%
49	13.051	1858	1864	1867	rBV2	36297	61236	8.16%	0.668%
50	13.127	1874	1877	1879	rBV3	29985	35919	4.79%	0.392%
51	13.157	1879	1882	1885	rVB	64853	63679	8.49%	0.695%
52	13.221	1890	1893	1896	rVV	50946	43583	5.81%	0.475%
53	13.257	1896	1899	1902	rVV2	55616	67997	9.06%	0.742%
54	13.286	1902	1904	1907	rVV2	10305	13314	1.77%	0.145%
55	13.315	1907	1909	1911	rVV2	14208	12354	1.65%	0.135%
56	13.351	1913	1915	1918	rVV	26216	24266	3.23%	0.265%
57	13.386	1918	1921	1929	rVB3	25210	31898	4.25%	0.348%
58	13.533	1942	1946	1948	rBV2	8991	13050	1.74%	0.142%
59	13.639	1961	1964	1966	rBV3	9865	11535	1.54%	0.126%
60	13.662	1966	1968	1974	rVB	60484	60756	8.10%	0.663%
61	13.774	1982	1987	1990	rBV2	53658	56740	7.56%	0.619%
62	13.804	1990	1992	1994	rVV	41338	35613	4.75%	0.388%
63	13.827	1994	1996	2001	rVV2	35471	53905	7.19%	0.588%
64	13.874	2001	2004	2011	rVB	57875	61072	8.14%	0.666%
65	13.945	2011	2016	2018	rBV	13829	18235	2.43%	0.199%
66	14.027	2025	2030	2032	rBV2	581842	750155	100.00%	8.182%
67	14.051	2032	2034	2040	rVB	256207	236060	31.47%	2.575%
68	14.133	2045	2048	2050	rVB	34905	24995	3.33%	0.273%
69	14.174	2052	2055	2061	rBV5	21755	31211	4.16%	0.340%
70	14.239	2064	2066	2067	rBV	13672	9546	1.27%	0.104%
71	14.257	2067	2069	2072	rVB	20070	15245	2.03%	0.166%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
 Data File : BF099277.D
 Acq On : 9 Oct 2017 22:10
 Operator : SJ/JU
 Sample : I5715-01 50X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.374	2086	2089	2091	rBV2	21267	23565	3.14%	0.257%
73	14.409	2091	2095	2098	rVV	69753	75531	10.07%	0.824%
74	14.445	2098	2101	2105	rVV	35275	36496	4.87%	0.398%
75	14.509	2105	2112	2114	rVV3	26366	46811	6.24%	0.511%
76	14.533	2114	2116	2118	rVV	35028	35567	4.74%	0.388%
77	14.557	2118	2120	2124	rVV4	34416	38518	5.13%	0.420%
78	14.609	2124	2129	2131	rVV3	23216	35721	4.76%	0.390%
79	14.727	2147	2149	2151	rBV2	15458	16218	2.16%	0.177%
80	14.804	2159	2162	2165	rBV5	10499	16227	2.16%	0.177%
81	14.909	2176	2180	2184	rVB2	22492	35716	4.76%	0.390%
82	14.962	2187	2189	2194	rBV6	9809	15135	2.02%	0.165%
83	15.068	2202	2207	2210	rBV	229519	347417	46.31%	3.789%
84	15.180	2222	2226	2230	rBV	54410	63632	8.48%	0.694%
85	15.268	2238	2241	2242	rBV2	12512	13164	1.75%	0.144%
86	15.374	2255	2259	2266	rVB	126935	160719	21.42%	1.753%
87	15.439	2266	2270	2275	rBV	194759	237412	31.65%	2.589%
88	15.504	2276	2281	2284	rVV	379870	473338	63.10%	5.163%
89	15.533	2284	2286	2293	rVB2	57932	84827	11.31%	0.925%
90	15.603	2293	2298	2300	rBV6	9763	12964	1.73%	0.141%
91	15.862	2339	2342	2347	rVB6	9671	15834	2.11%	0.173%
92	15.933	2350	2354	2360	rBV5	16893	33178	4.42%	0.362%
93	16.068	2374	2377	2381	rBV2	11911	13897	1.85%	0.152%
94	16.433	2437	2439	2444	rVB5	13975	16924	2.26%	0.185%
95	16.921	2519	2522	2526	rBV6	5987	9159	1.22%	0.100%
96	16.980	2527	2532	2539	rBV2	66995	135983	18.13%	1.483%
97	17.156	2558	2562	2568	rBV3	16413	34140	4.55%	0.372%
98	17.221	2571	2573	2577	rVB3	11923	10969	1.46%	0.120%
99	17.433	2603	2609	2621	rBV	45482	101533	13.53%	1.107%
100	17.680	2646	2651	2655	rBV3	11310	23423	3.12%	0.255%

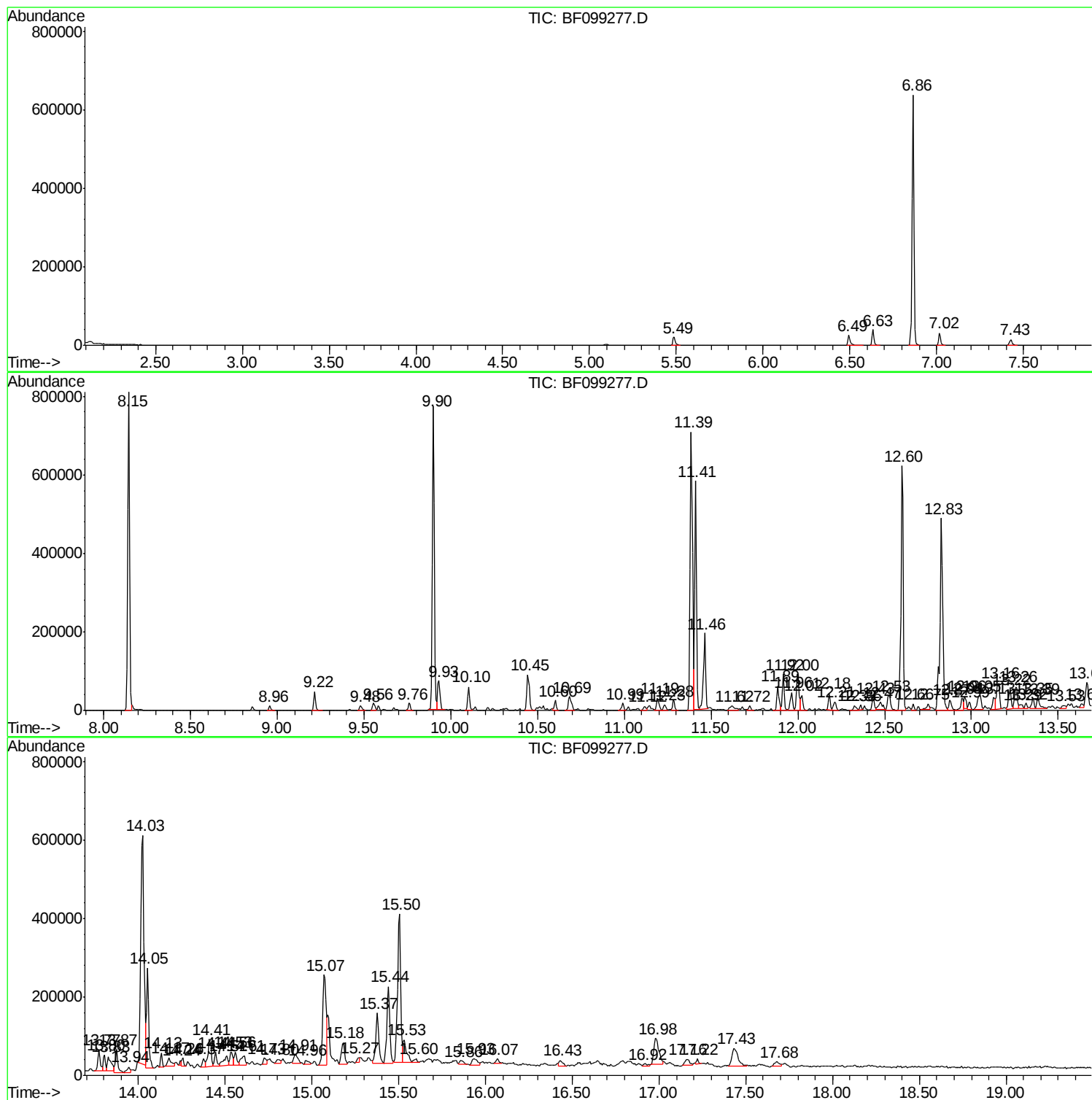
Sum of corrected areas: 9168506

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100917\
Data File : BF099277.D
Acq On : 9 Oct 2017 22:10
Operator : SJ/JU
Sample : I5715-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
Data File : BF099277.D
Acq On : 9 Oct 2017 22:10
Operator : SJ/JU
Sample : I5715-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

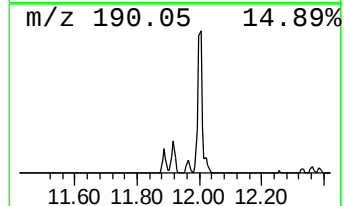
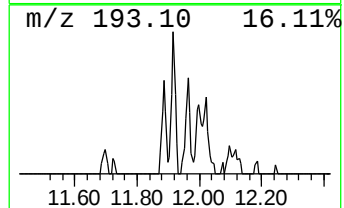
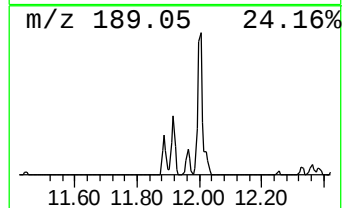
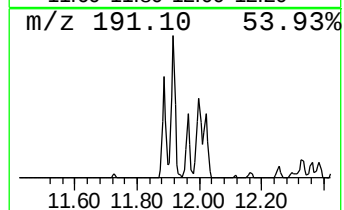
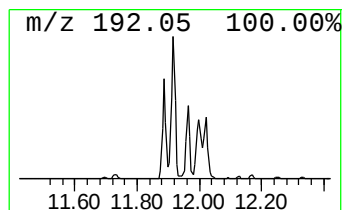
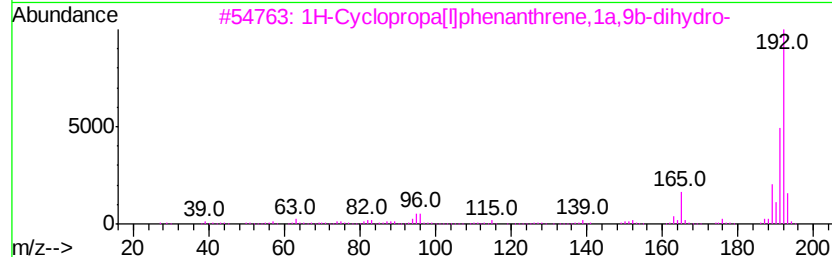
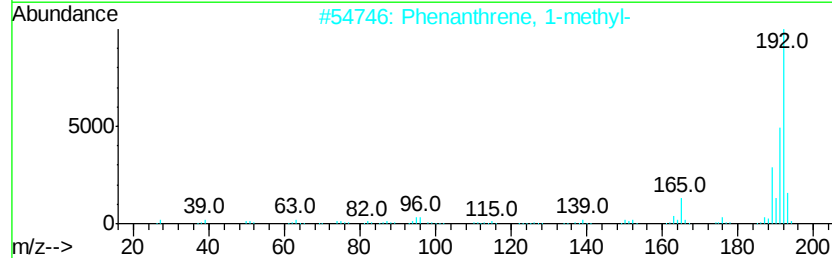
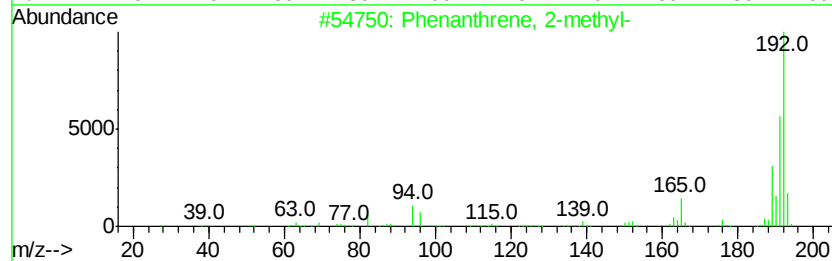
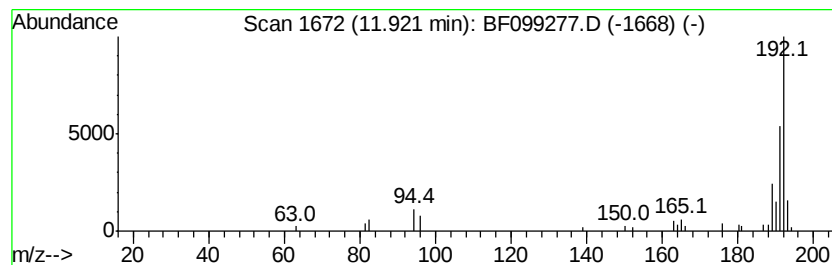
Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.92	2.61 ng	75408	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100917\
Data File : BF099277.D
Acq On : 9 Oct 2017 22:10
Operator : SJ/JU
Sample : I5715-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

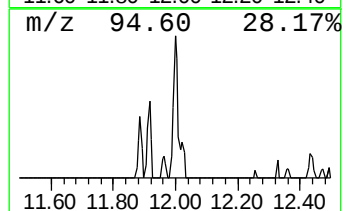
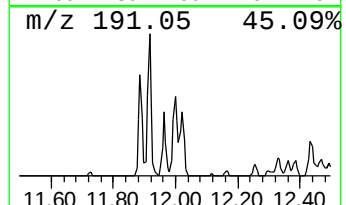
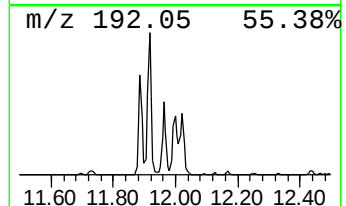
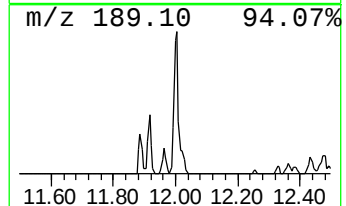
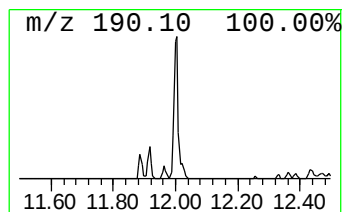
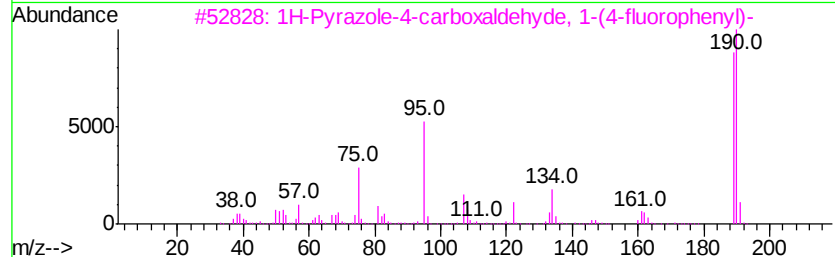
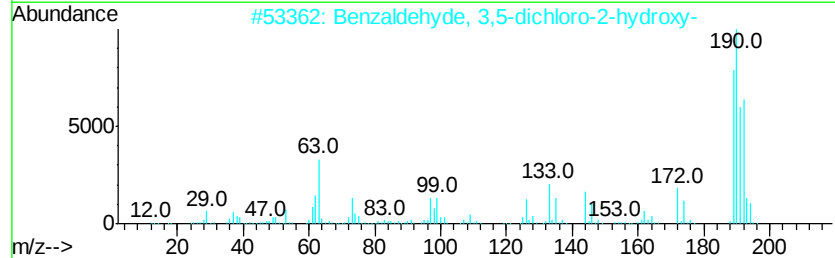
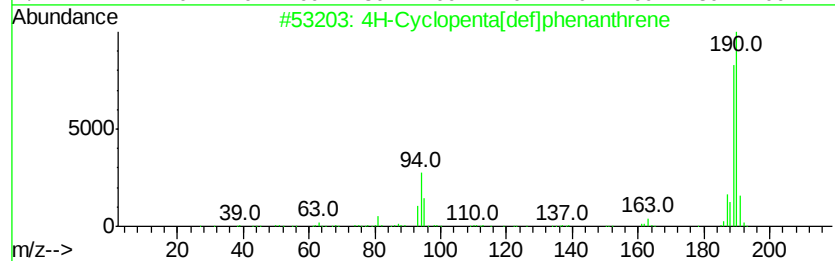
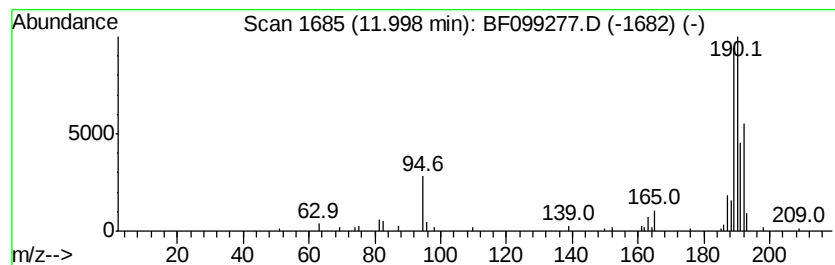
Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.00	3.65 ng	105663	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	46
4	Methyl diselenide	190	C2H6Se2	007101-31-7	41
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100917\
Data File : BF099277.D
Acq On : 9 Oct 2017 22:10
Operator : SJ/JU
Sample : I5715-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

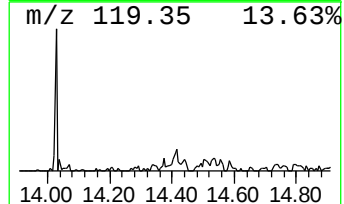
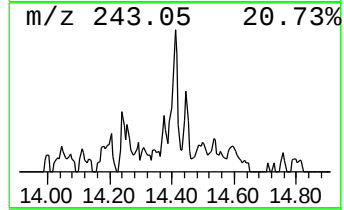
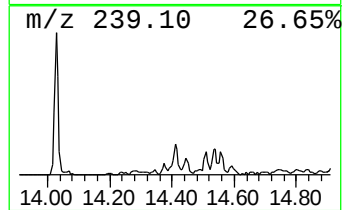
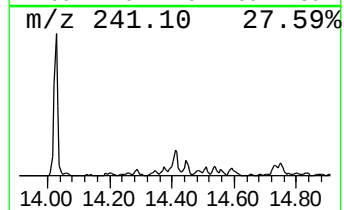
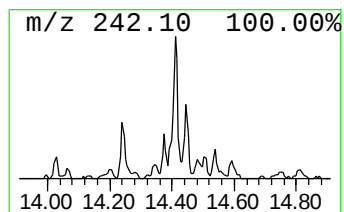
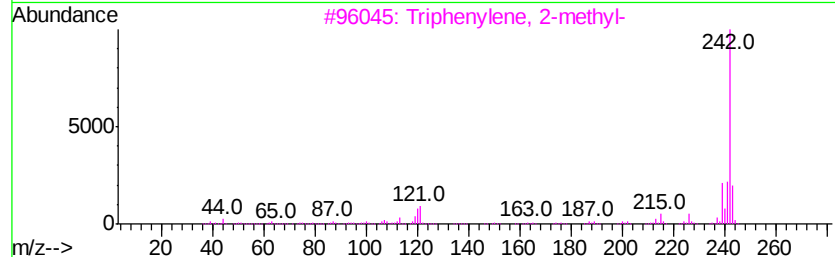
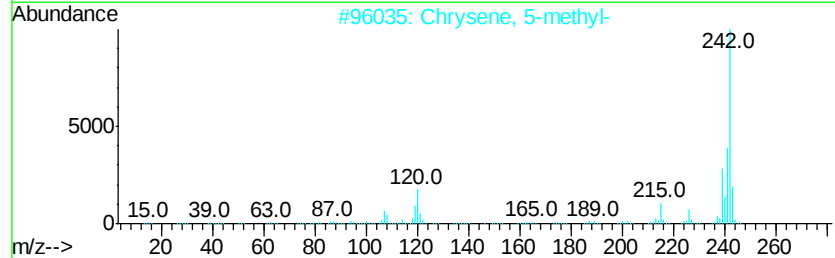
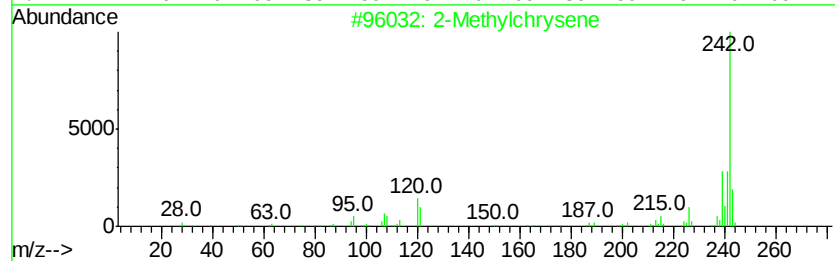
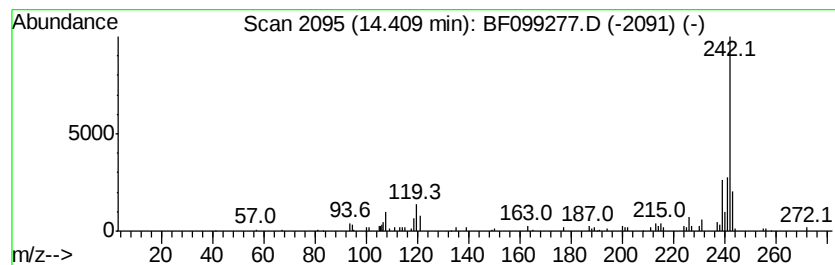
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Methylchrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	2.01 ng	75531	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methylchrysene	242	C19H14	003351-32-4	93
2		Chrysene, 5-methyl-	242	C19H14	003697-24-3	92
3		Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89
4		Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
5		Chrysene, 3-methyl-	242	C19H14	003351-31-3	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100917\
Data File : BF099277.D
Acq On : 9 Oct 2017 22:10
Operator : SJ/JU
Sample : I5715-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

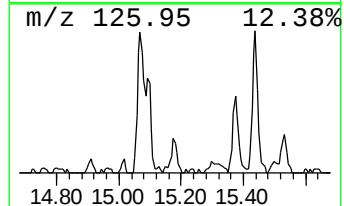
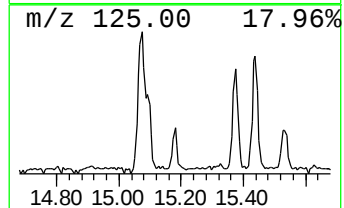
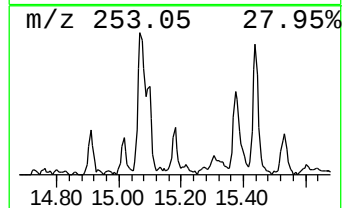
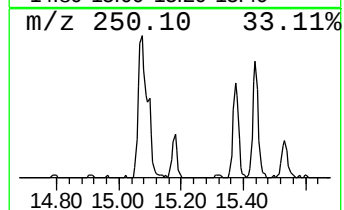
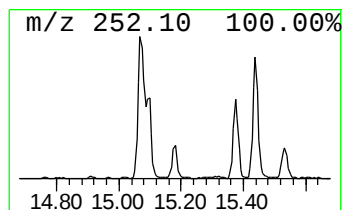
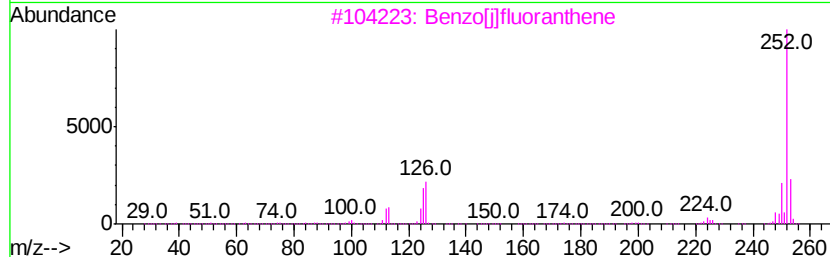
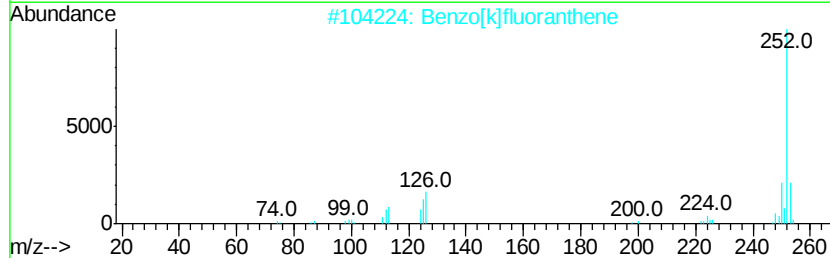
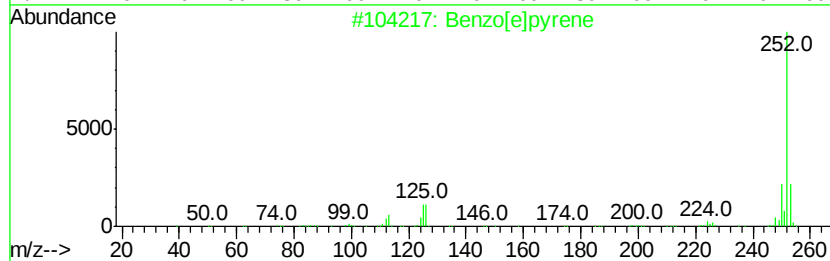
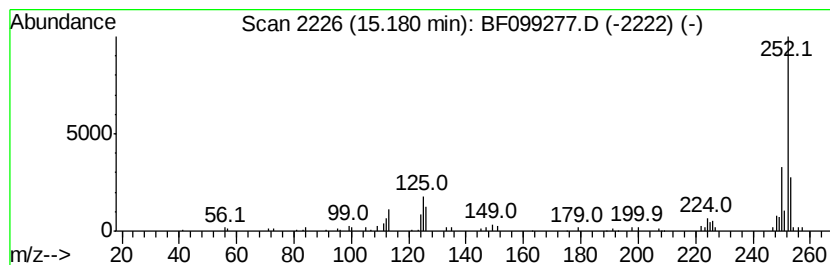
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	2.69 ng	63632	Perylene-d12	15.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	90
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3			Benzo[i]fluoranthene	252	C20H12	000205-82-3	90
4			Perylene	252	C20H12	000198-55-0	89
5			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
Data File : BF099277.D
Acq On : 9 Oct 2017 22:10
Operator : SJ/JU
Sample : I5715-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

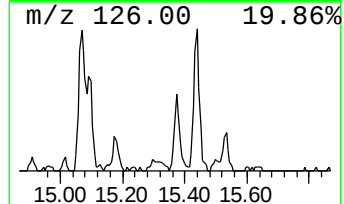
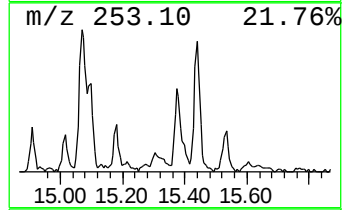
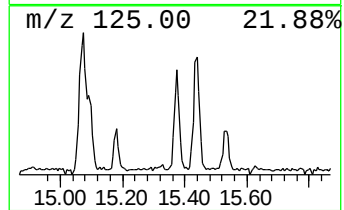
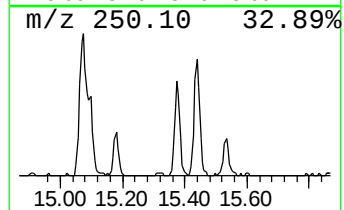
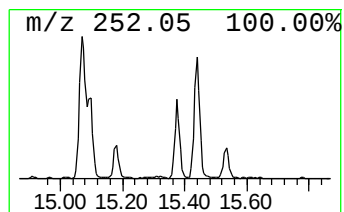
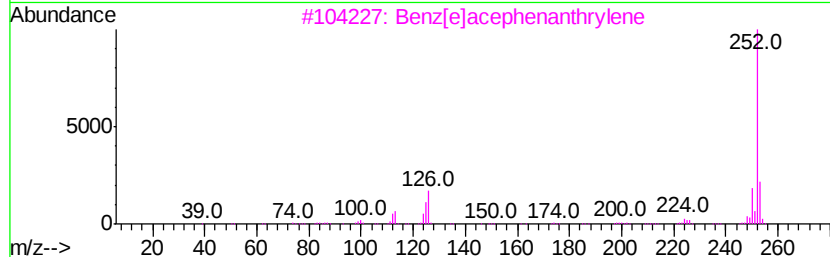
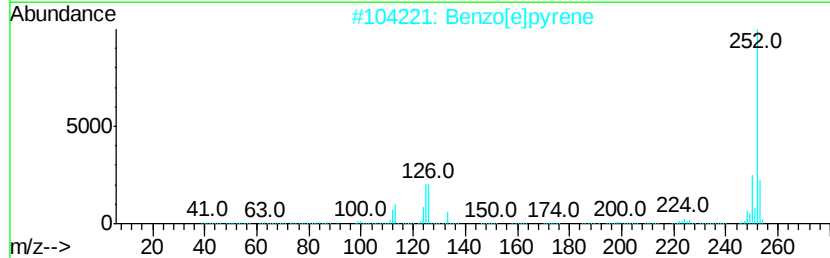
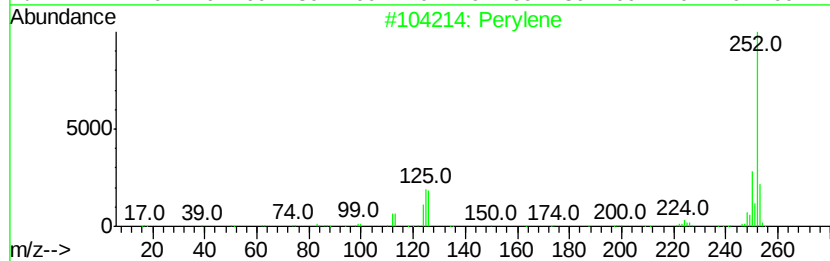
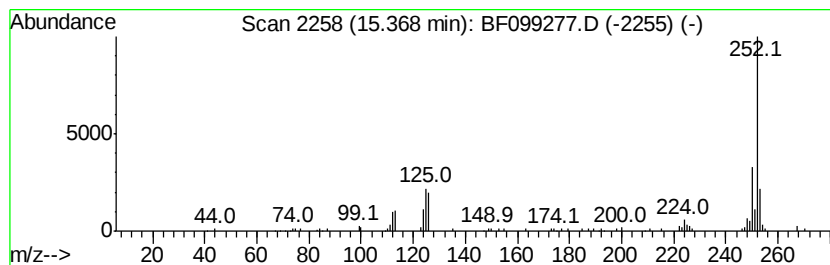
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	6.79 ng	160719	Perylene-d12	15.50

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Perylene	252	C20H12	000198-55-0	99
2		Benzo[e]pyrene	252	C20H12	000192-97-2	98
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100917\
Data File : BF099277.D
Acq On : 9 Oct 2017 22:10
Operator : SJ/JU
Sample : I5715-01 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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
Phenanthrene, 2-m...	11.92	2.6	ng	75408	4	11.39	578846	20.0
4H-Cyclopenta[def...	12.00	3.6	ng	105663	4	11.39	578846	20.0
2-Methylchrysene	14.41	2.0	ng	75531	5	14.03	750155	20.0
Benzo[e]pyrene	15.18	2.7	ng	63632	6	15.50	473338	20.0
Perylene	15.37	6.8	ng	160719	6	15.50	473338	20.0