

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099300.D
 Acq On : 10 Oct 2017 14:43
 Operator : SJ/JU
 Sample : I5715-07 25X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

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	5.481	573	577	586	rBV	75137	79461	7.36%	0.631%
2	6.487	745	748	762	rBV	82018	82820	7.67%	0.658%
3	6.628	769	772	781	rBB	112433	95730	8.87%	0.760%
4	6.863	808	812	816	rBV	702250	595944	55.21%	4.731%
5	7.016	835	838	845	rBB	90462	74653	6.92%	0.593%
6	7.422	904	907	917	rBB	52172	50575	4.69%	0.402%
7	8.145	1025	1030	1033	rBV	962231	818986	75.88%	6.502%
8	8.857	1148	1151	1158	rBB	50735	40840	3.78%	0.324%
9	8.957	1164	1168	1174	rBB	33424	26988	2.50%	0.214%
10	9.216	1208	1212	1222	rBV	138006	109688	10.16%	0.871%
11	9.486	1254	1258	1262	rBB2	18216	23539	2.18%	0.187%
12	9.557	1266	1270	1272	rBV	27377	27098	2.51%	0.215%
13	9.580	1272	1274	1277	rVB	19107	15149	1.40%	0.120%
14	9.675	1287	1290	1295	rBB	12448	12718	1.18%	0.101%
15	9.898	1322	1328	1331	rBV	1041607	868629	80.48%	6.896%
16	9.927	1331	1333	1340	rVB	126037	105704	9.79%	0.839%
17	10.104	1359	1363	1366	rBV	93978	83398	7.73%	0.662%
18	10.445	1417	1421	1427	rBV	209289	172105	15.95%	1.366%
19	10.533	1434	1436	1438	rVB	19308	14642	1.36%	0.116%
20	10.604	1445	1448	1451	rVB	32739	28304	2.62%	0.225%
21	10.686	1458	1462	1467	rBV2	66106	72200	6.69%	0.573%
22	10.992	1508	1514	1517	rBV2	35897	36771	3.41%	0.292%
23	11.116	1531	1535	1537	rBV3	13927	15577	1.44%	0.124%
24	11.192	1545	1548	1551	rVB2	14085	13355	1.24%	0.106%
25	11.227	1551	1554	1558	rVV	17145	18971	1.76%	0.151%
26	11.280	1561	1563	1568	rVB	45917	35684	3.31%	0.283%
27	11.386	1577	1581	1583	rBV	1056144	902707	83.63%	7.167%
28	11.410	1583	1585	1588	rVV	983082	723755	67.05%	5.746%
29	11.463	1588	1594	1597	rVV	300810	293502	27.19%	2.330%
30	11.498	1597	1600	1605	rVB2	10379	12915	1.20%	0.103%
31	11.616	1616	1620	1629	rBV	68955	75730	7.02%	0.601%
32	11.674	1629	1630	1635	rVV3	12766	13931	1.29%	0.111%
33	11.716	1635	1637	1642	rVB2	9856	12722	1.18%	0.101%
34	11.886	1660	1666	1668	rBV	101128	89387	8.28%	0.710%

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35	11.916	1668	1671	1674	rVV	148122	124855	11.57%	0.991%
36	11.963	1675	1679	1682	rVV	73332	61678	5.71%	0.490%
37	11.998	1682	1685	1688	rVV	180569	194663	18.03%	1.546%
38	12.021	1688	1689	1694	rVB	59134	30809	2.85%	0.245%
39	12.180	1713	1716	1719	rVB	67933	51566	4.78%	0.409%
40	12.210	1719	1721	1725	rVB	20149	17418	1.61%	0.138%
41	12.327	1737	1741	1744	rBV	19302	17211	1.59%	0.137%
42	12.357	1744	1746	1749	rVV	20198	17476	1.62%	0.139%
43	12.386	1749	1751	1755	rVB	18257	14825	1.37%	0.118%
44	12.433	1755	1759	1762	rBV	50098	51035	4.73%	0.405%
45	12.474	1762	1766	1768	rVV2	31769	40151	3.72%	0.319%
46	12.521	1771	1774	1780	rVB4	35480	45082	4.18%	0.358%
47	12.598	1783	1787	1791	rBV	999632	845983	78.38%	6.717%
48	12.663	1796	1798	1801	rVB	22865	16278	1.51%	0.129%
49	12.751	1805	1813	1815	rBV2	26127	34969	3.24%	0.278%
50	12.827	1820	1826	1832	rBV2	764318	831204	77.01%	6.599%
51	12.874	1832	1834	1839	rVB2	42423	41380	3.83%	0.329%
52	12.963	1839	1849	1851	rBV2	160006	174754	16.19%	1.387%
53	12.986	1851	1853	1857	rVB	34055	29218	2.71%	0.232%
54	13.039	1857	1862	1867	rBV2	50575	91779	8.50%	0.729%
55	13.127	1874	1877	1879	rBV3	44209	52410	4.86%	0.416%
56	13.157	1879	1882	1885	rVB	147718	134605	12.47%	1.069%
57	13.221	1889	1893	1895	rVV	142331	118119	10.94%	0.938%
58	13.257	1895	1899	1902	rVV2	87116	99662	9.23%	0.791%
59	13.286	1902	1904	1906	rVV2	15034	14417	1.34%	0.114%
60	13.316	1906	1909	1911	rVB	18441	16164	1.50%	0.128%
61	13.351	1911	1915	1918	rBV2	36182	30522	2.83%	0.242%
62	13.380	1918	1920	1924	rBV2	32888	34964	3.24%	0.278%
63	13.574	1951	1953	1956	rVB	19779	17722	1.64%	0.141%
64	13.633	1960	1963	1966	rBV2	24065	28329	2.62%	0.225%
65	13.663	1966	1968	1972	rVB	47137	41568	3.85%	0.330%
66	13.774	1982	1987	1989	rBV	55135	52474	4.86%	0.417%
67	13.798	1989	1991	1994	rVV	56710	55441	5.14%	0.440%
68	13.827	1994	1996	2001	rVV2	44033	68082	6.31%	0.541%
69	13.874	2001	2004	2011	rVB3	34033	45455	4.21%	0.361%
70	13.945	2011	2016	2020	rBV2	12733	21387	1.98%	0.170%
71	14.027	2024	2030	2032	rVV2	832639	1079366	100.00%	8.570%

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72	14.051	2032	2034	2041	rVB	297339	266255	24.67%	2.114%
73	14.133	2045	2048	2052	rVV	48009	44817	4.15%	0.356%
74	14.174	2052	2055	2060	rVV4	21921	31166	2.89%	0.247%
75	14.215	2060	2062	2064	rVV	19187	16958	1.57%	0.135%
76	14.251	2064	2068	2071	rVB2	23736	35258	3.27%	0.280%
77	14.374	2086	2089	2091	rVV	20830	24410	2.26%	0.194%
78	14.410	2091	2095	2098	rVV	71016	78053	7.23%	0.620%
79	14.445	2098	2101	2104	rVB2	30202	29135	2.70%	0.231%
80	14.504	2109	2111	2114	rVV2	27207	27888	2.58%	0.221%
81	14.533	2114	2116	2118	rVV	29680	27644	2.56%	0.219%
82	14.557	2118	2120	2123	rVV	33601	27482	2.55%	0.218%
83	14.604	2123	2128	2131	rVB3	13522	19797	1.83%	0.157%
84	14.904	2176	2179	2187	rVB3	17422	26108	2.42%	0.207%
85	15.068	2202	2207	2210	rBV	188232	286820	26.57%	2.277%
86	15.174	2222	2225	2229	rBV	45552	47839	4.43%	0.380%
87	15.262	2237	2240	2242	rBV4	11887	15208	1.41%	0.121%
88	15.374	2254	2259	2265	rVB	88104	113828	10.55%	0.904%
89	15.433	2265	2269	2275	rBV	149845	184824	17.12%	1.467%
90	15.498	2275	2280	2284	rBV	399241	508876	47.15%	4.040%
91	15.527	2284	2285	2292	rVB2	46068	55977	5.19%	0.444%
92	15.721	2313	2318	2324	rVB5	14066	29284	2.71%	0.232%
93	15.933	2349	2354	2360	rBV7	12729	27414	2.54%	0.218%
94	16.062	2373	2376	2381	rVB3	10323	14591	1.35%	0.116%
95	16.792	2493	2500	2501	rBV4	11579	21750	2.02%	0.173%
96	16.980	2526	2532	2543	rBV2	64214	145157	13.45%	1.152%
97	17.156	2555	2562	2567	rBV3	17027	34589	3.20%	0.275%
98	17.215	2567	2572	2577	rVB4	8793	16757	1.55%	0.133%
99	17.433	2601	2609	2619	rBV	49753	113337	10.50%	0.900%
100	17.674	2644	2650	2656	rBV2	16047	36948	3.42%	0.293%

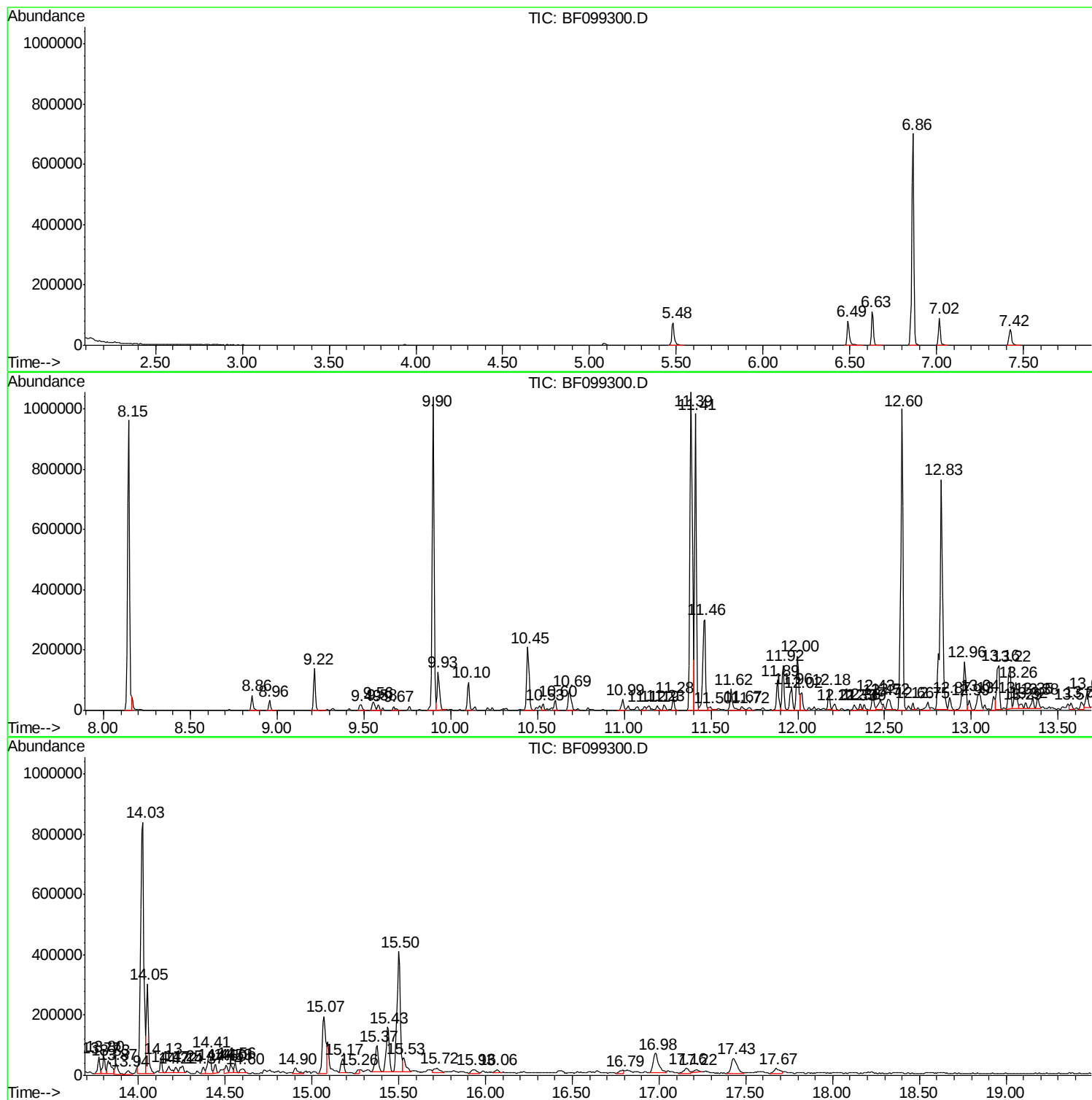
Sum of corrected areas: 12595369

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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



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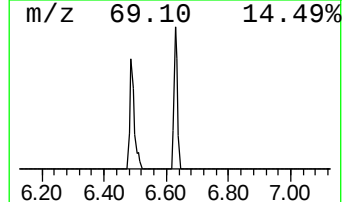
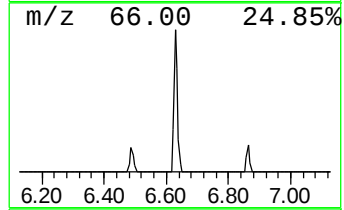
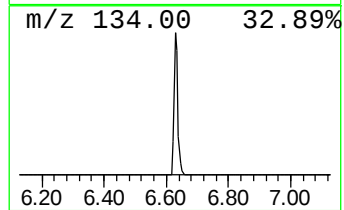
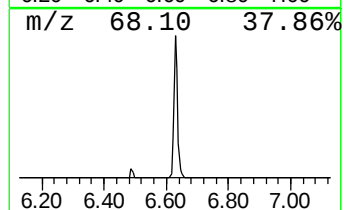
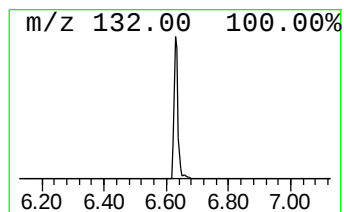
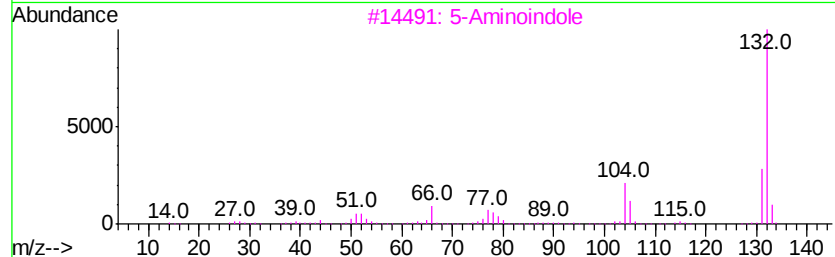
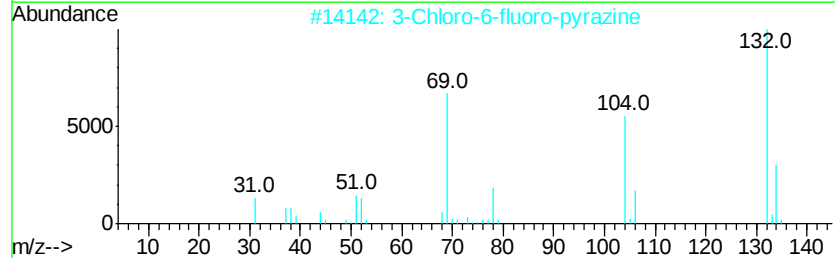
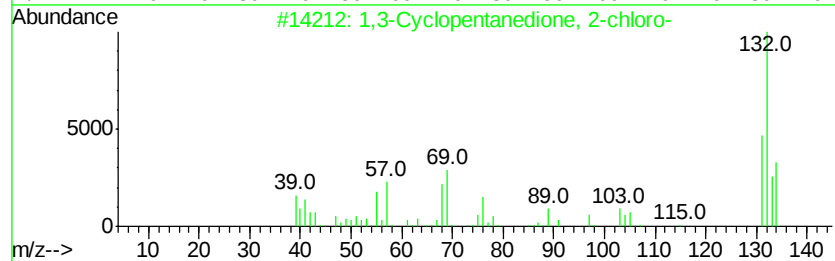
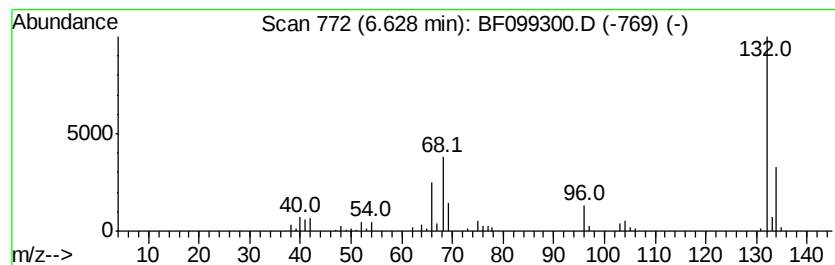
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.63 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	3.21 ng	95730	1,4-Dichlorobenzene-d4	6.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	32
2			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3			5-Aminoindole	132	C8H8N2	005192-03-0	10
4			1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5			4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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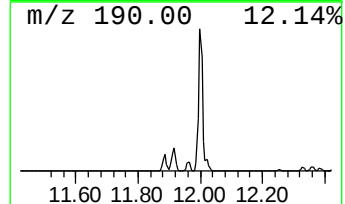
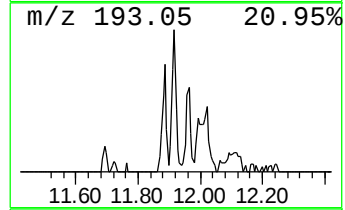
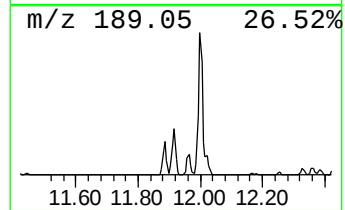
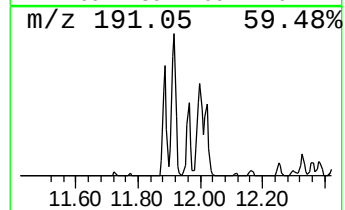
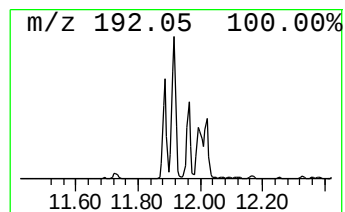
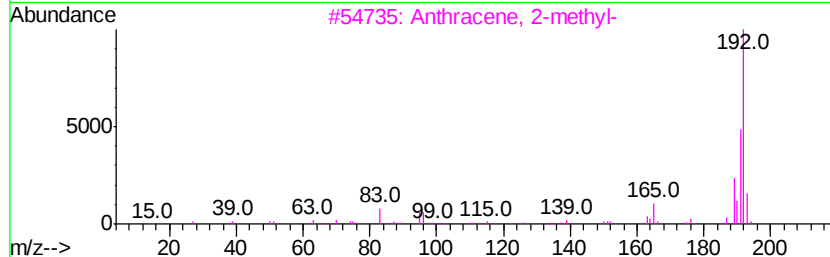
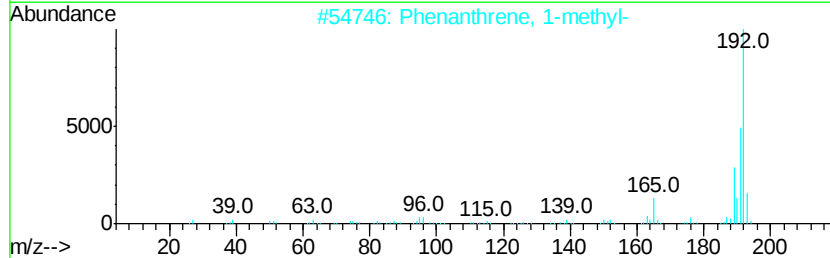
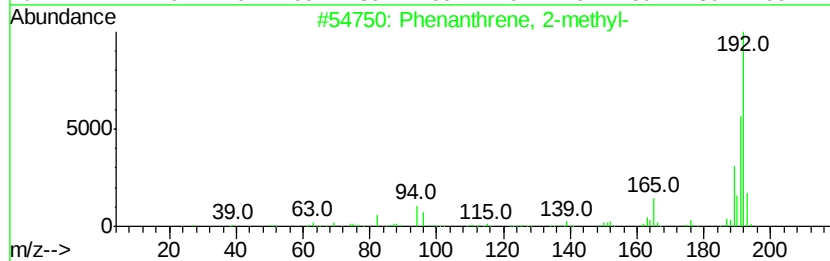
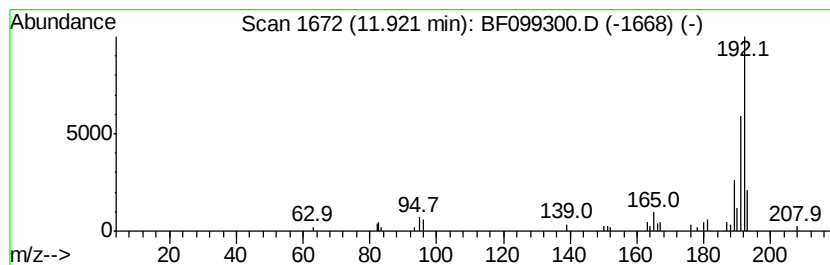
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.77 ng	124855	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



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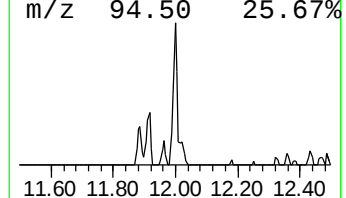
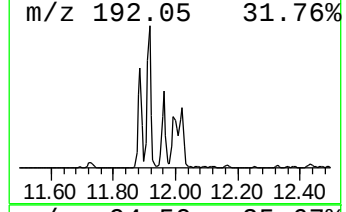
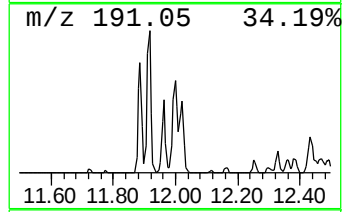
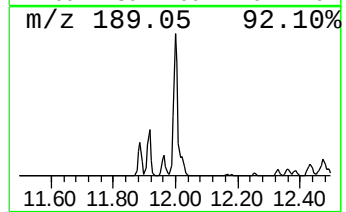
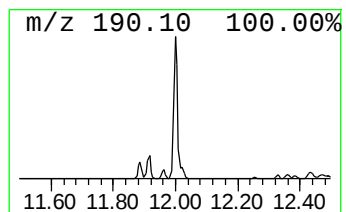
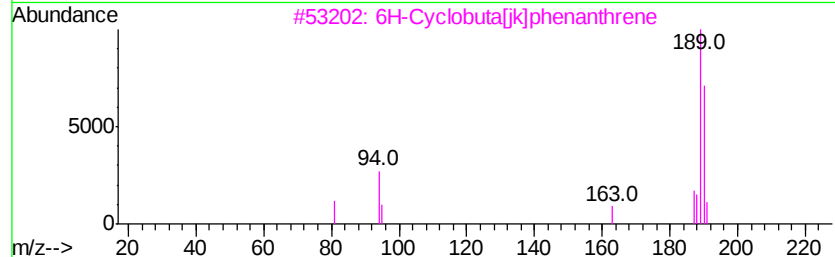
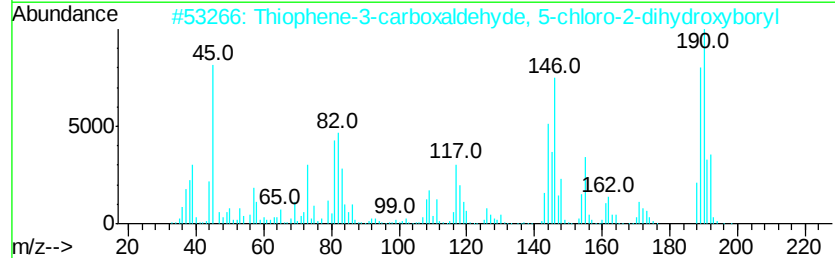
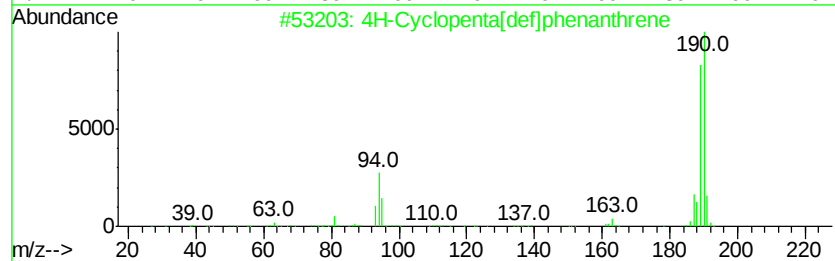
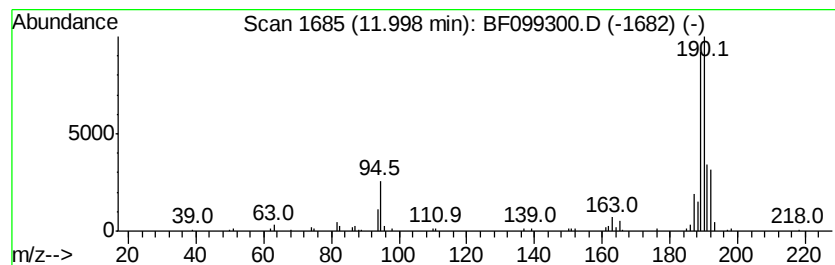
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Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.00	4.31 ng	194663	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099300.D
Acq On : 10 Oct 2017 14:43
Operator : SJ/JU
Sample : I5715-07 25X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

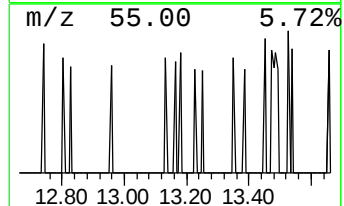
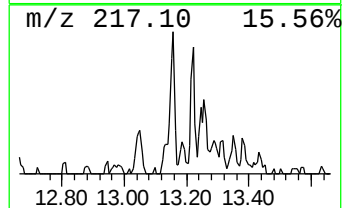
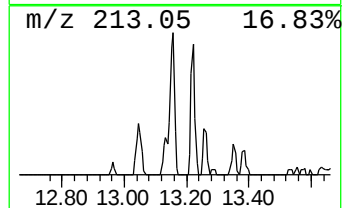
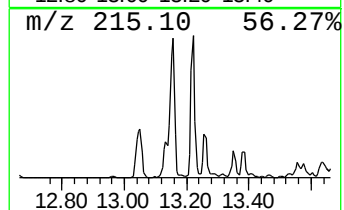
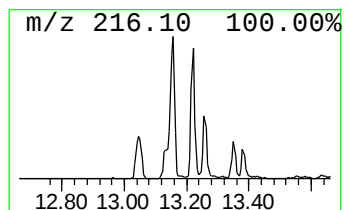
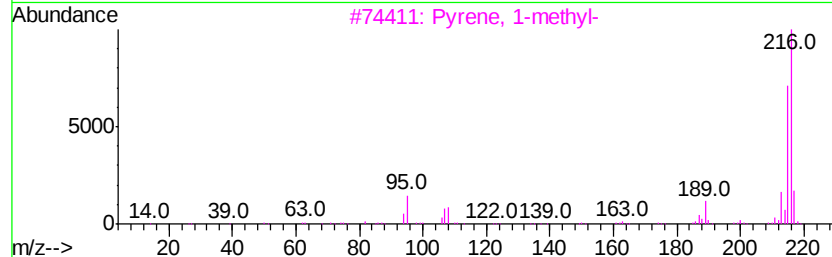
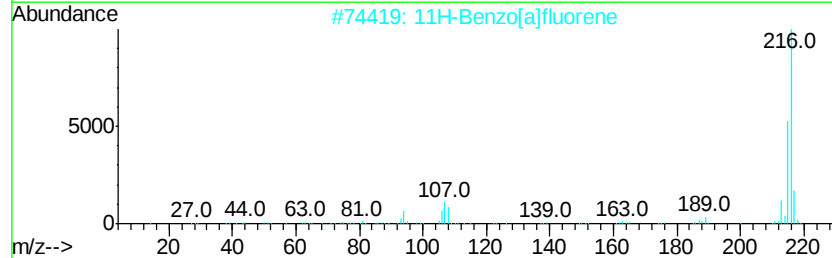
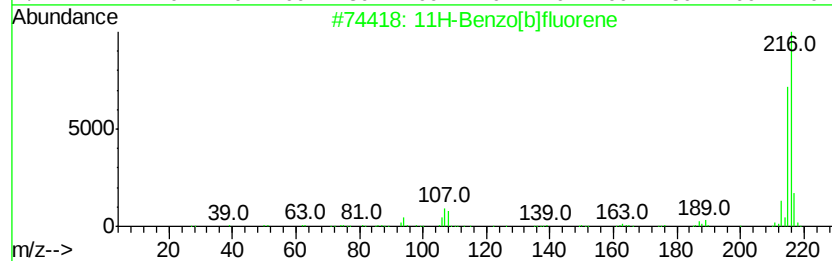
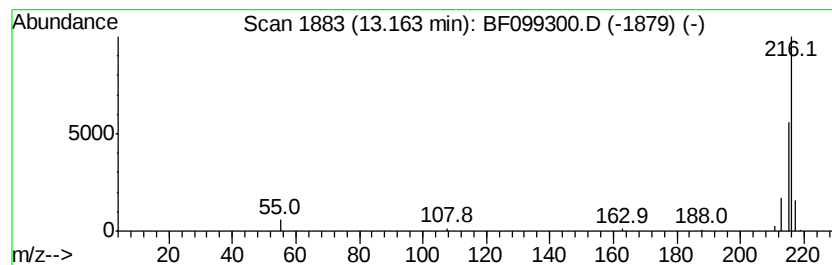
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.49 ng	134605	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	90
4		Pvrene, 4-methyl-	216	C17H12	003353-12-6	64
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099300.D
Acq On : 10 Oct 2017 14:43
Operator : SJ/JU
Sample : I5715-07 25X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

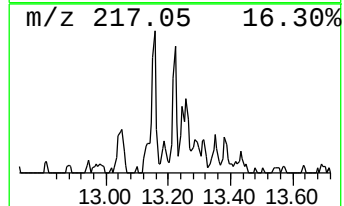
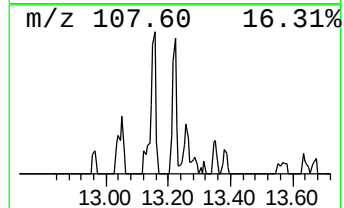
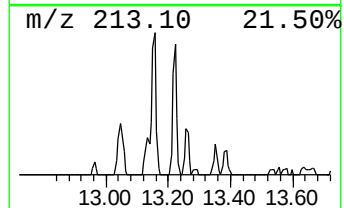
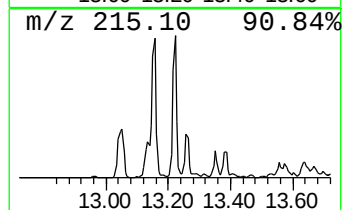
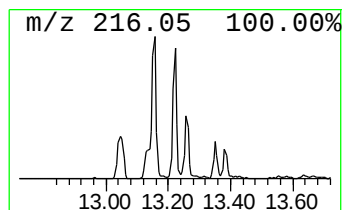
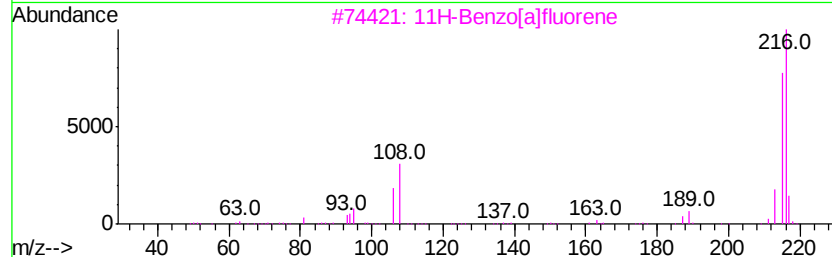
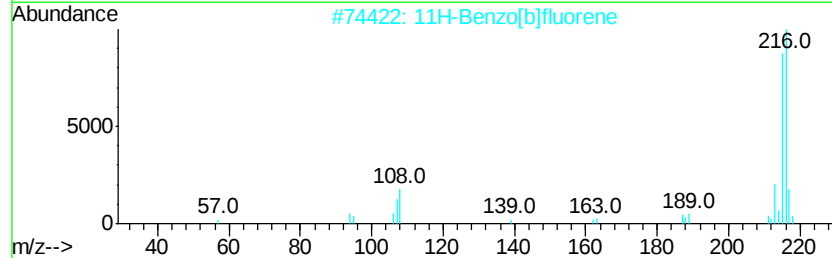
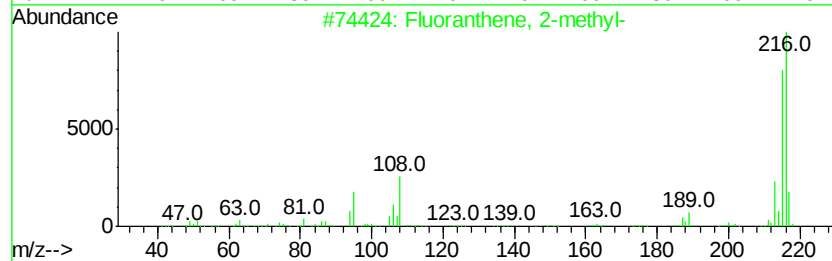
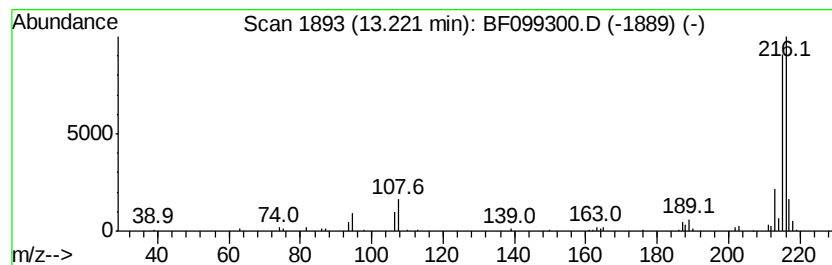
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	2.19 ng	118119	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	83
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
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Sample : I5715-07 25X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

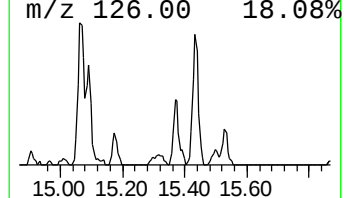
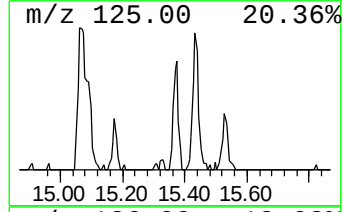
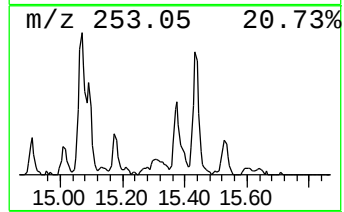
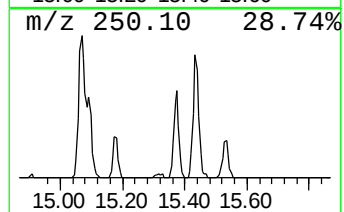
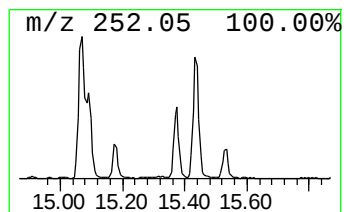
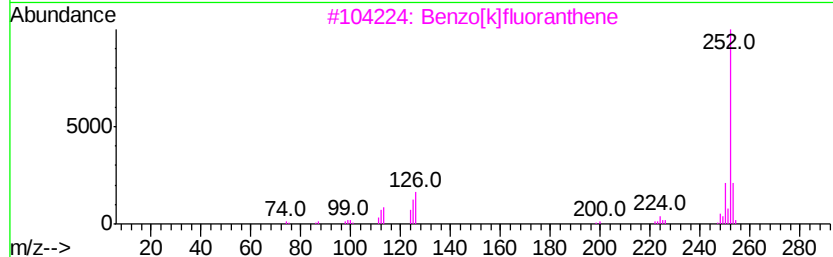
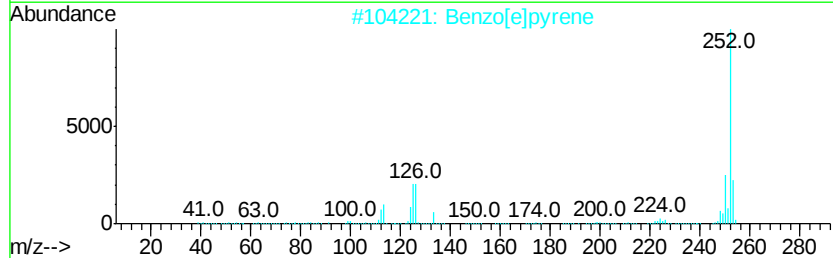
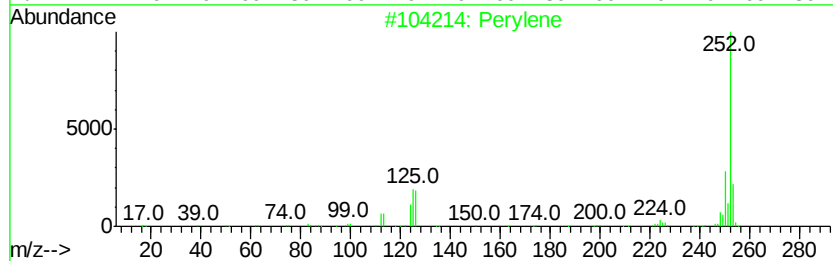
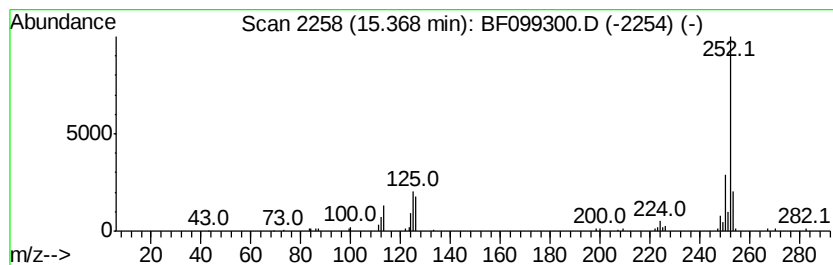
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	4.47 ng	113828	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	96
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	92



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101017\
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Acq On : 10 Oct 2017 14:43
Operator : SJ/JU
Sample : I5715-07 25X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

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
unknown6.63	6.63	3.2	ng	95730	1	6.86	595944	20.0
Phenanthrene, 2-m...	11.92	2.8	ng	124855	4	11.39	902707	20.0
4H-Cyclopenta[def...	12.00	4.3	ng	194663	4	11.39	902707	20.0
11H-Benzo[b]fluorene	13.16	2.5	ng	134605	5	14.03	1079370	20.0
Fluoranthene, 2-m...	13.22	2.2	ng	118119	5	14.03	1079370	20.0
Perylene	15.37	4.5	ng	113828	6	15.50	508876	20.0