

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101242.D
 Acq On : 8 Dec 2017 18:10
 Operator : SJ/JU
 Sample : I6680-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-120617-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-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	5.028	498	500	506	rBV	7849	8287	2.35%	0.176%
2	5.434	566	569	582	rBV	170473	169217	47.90%	3.599%
3	6.451	739	742	752	rVB	200072	180804	51.18%	3.846%
4	6.592	763	766	774	rBB	235792	192561	54.50%	4.096%
5	6.822	802	805	812	rBV	312457	242569	68.66%	5.160%
6	6.975	828	831	839	rBB	168139	149835	42.41%	3.187%
7	7.386	898	901	908	rBV	124825	104922	29.70%	2.232%
8	8.104	1020	1023	1030	rBV	376135	320652	90.76%	6.820%
9	8.822	1142	1145	1148	rBB	11661	8916	2.52%	0.190%
10	8.922	1159	1162	1165	rBB	11420	10005	2.83%	0.213%
11	9.180	1202	1206	1209	rBV	280583	228115	64.57%	4.852%
12	9.451	1248	1252	1254	rBB	4718	5493	1.55%	0.117%
13	9.522	1260	1264	1266	rBV	10423	10170	2.88%	0.216%
14	9.545	1266	1268	1270	rVB	6096	4039	1.14%	0.086%
15	9.575	1270	1273	1278	rVB2	16858	17315	4.90%	0.368%
16	9.639	1281	1284	1286	rBV	4209	4331	1.23%	0.092%
17	9.722	1295	1298	1303	rBB	35662	28230	7.99%	0.600%
18	9.786	1305	1309	1313	rVB2	7469	7386	2.09%	0.157%
19	9.863	1318	1322	1325	rVV	394368	318251	90.08%	6.769%
20	9.892	1325	1327	1330	rVB	15309	12366	3.50%	0.263%
21	10.069	1353	1357	1360	rVB2	9923	9779	2.77%	0.208%
22	10.104	1360	1363	1367	rVB	6898	4959	1.40%	0.105%
23	10.175	1372	1375	1378	rBV2	6608	6789	1.92%	0.144%
24	10.280	1390	1393	1396	rVB2	8300	8518	2.41%	0.181%
25	10.316	1396	1399	1401	rBV	6611	5275	1.49%	0.112%
26	10.410	1412	1415	1420	rVB	28664	26307	7.45%	0.560%
27	10.651	1453	1456	1461	rVB	123924	100967	28.58%	2.148%
28	10.757	1470	1474	1475	rBV	5883	5639	1.60%	0.120%
29	10.769	1475	1476	1482	rVB	4595	4710	1.33%	0.100%
30	10.957	1504	1508	1511	rBV2	6808	10753	3.04%	0.229%
31	10.986	1511	1513	1516	rVV2	7374	5483	1.55%	0.117%
32	11.163	1540	1543	1546	rVB	3903	4104	1.16%	0.087%
33	11.204	1546	1550	1553	rVV2	6161	6156	1.74%	0.131%
34	11.245	1556	1557	1560	rVB	8270	6276	1.78%	0.133%

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35	11.351	1571	1575	1577	rBV	358123	285489	80.81%	6.072%
36	11.374	1577	1579	1583	rVV	148708	108689	30.76%	2.312%
37	11.427	1585	1588	1591	rVB	39204	29889	8.46%	0.636%
38	11.463	1591	1594	1596	rBV2	4507	5449	1.54%	0.116%
39	11.586	1611	1615	1619	rBV	11361	10671	3.02%	0.227%
40	11.680	1627	1631	1637	rBV3	8545	11915	3.37%	0.253%
41	11.763	1643	1645	1648	rVB	4586	4175	1.18%	0.089%
42	11.851	1657	1660	1663	rBV	33267	31977	9.05%	0.680%
43	11.880	1663	1665	1668	rVB	42745	33978	9.62%	0.723%
44	11.927	1670	1673	1676	rBV	13934	13903	3.94%	0.296%
45	11.963	1676	1679	1682	rVV2	43953	50020	14.16%	1.064%
46	11.986	1682	1683	1689	rVB	28141	20057	5.68%	0.427%
47	12.086	1698	1700	1703	rBV3	5012	4231	1.20%	0.090%
48	12.145	1705	1710	1713	rVV3	14832	18328	5.19%	0.390%
49	12.186	1713	1717	1720	rVB3	9365	12350	3.50%	0.263%
50	12.280	1730	1733	1734	rBV2	5144	4907	1.39%	0.104%
51	12.298	1734	1736	1739	rVV	7859	7819	2.21%	0.166%
52	12.327	1739	1741	1743	rVV	13639	10647	3.01%	0.226%
53	12.351	1743	1745	1748	rVB	8497	7168	2.03%	0.152%
54	12.404	1750	1754	1757	rBV	37564	39186	11.09%	0.833%
55	12.439	1757	1760	1762	rVV2	16336	19025	5.39%	0.405%
56	12.463	1762	1764	1766	rVB	8485	6293	1.78%	0.134%
57	12.498	1766	1770	1773	rBV4	13195	16457	4.66%	0.350%
58	12.568	1778	1782	1785	rBV	116589	99918	28.28%	2.125%
59	12.610	1785	1789	1791	rVV3	8771	8795	2.49%	0.187%
60	12.627	1791	1792	1795	rVB3	7753	5347	1.51%	0.114%
61	12.663	1795	1798	1801	rBV	15563	13746	3.89%	0.292%
62	12.739	1809	1811	1814	rVB2	10385	9306	2.63%	0.198%
63	12.798	1814	1821	1827	rBV	130911	138524	39.21%	2.946%
64	12.851	1827	1830	1833	rVB	14002	12422	3.52%	0.264%
65	12.910	1837	1840	1841	rBV2	5082	5474	1.55%	0.116%
66	12.933	1841	1844	1847	rBV	215728	164550	46.58%	3.500%
67	13.010	1854	1857	1865	rBV8	20330	42706	12.09%	0.908%
68	13.068	1865	1867	1869	rVV2	8159	7593	2.15%	0.162%
69	13.104	1869	1873	1874	rVV2	19732	22477	6.36%	0.478%
70	13.121	1874	1876	1880	rVB2	28475	26922	7.62%	0.573%
71	13.192	1885	1888	1891	rVV	18450	14354	4.06%	0.305%

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72	13.233	1891	1895	1897	rVV2	24142	22909	6.48%	0.487%
73	13.321	1908	1910	1913	rVB	25900	18946	5.36%	0.403%
74	13.351	1913	1915	1918	rBV	18293	18023	5.10%	0.383%
75	13.433	1927	1929	1934	rVB6	7314	11586	3.28%	0.246%
76	13.480	1934	1937	1938	rBV3	7922	7962	2.25%	0.169%
77	13.639	1961	1964	1967	rVB	15342	18824	5.33%	0.400%
78	13.668	1967	1969	1971	rBV3	5355	4190	1.19%	0.089%
79	13.692	1971	1973	1977	rBV3	10301	11835	3.35%	0.252%
80	13.727	1977	1979	1980	rBV2	11161	9186	2.60%	0.195%
81	13.751	1980	1983	1985	rVV2	17355	19333	5.47%	0.411%
82	13.798	1989	1991	1992	rBV2	9654	6435	1.82%	0.137%
83	13.821	1993	1995	1998	rVV2	19717	21953	6.21%	0.467%
84	13.851	1998	2000	2003	rVB2	11308	10230	2.90%	0.218%
85	13.963	2017	2019	2020	rBV2	9387	6478	1.83%	0.138%
86	13.998	2020	2025	2028	rVV2	333016	353294	100.00%	7.515%
87	14.021	2028	2029	2032	rVB	55721	37584	10.64%	0.799%
88	14.345	2082	2084	2086	rBV2	16244	16261	4.60%	0.346%
89	14.386	2088	2091	2093	rVB	27759	27119	7.68%	0.577%
90	14.415	2094	2096	2099	rBV2	15031	15724	4.45%	0.334%
91	14.510	2110	2112	2114	rBV3	15221	9650	2.73%	0.205%
92	15.039	2199	2202	2206	rBV2	38839	50354	14.25%	1.071%
93	15.145	2218	2220	2226	rVB2	22748	32444	9.18%	0.690%
94	15.345	2251	2254	2259	rVB	30989	40136	11.36%	0.854%
95	15.404	2261	2264	2269	rVB	51962	62781	17.77%	1.335%
96	15.468	2270	2275	2279	rVB	200598	241216	68.28%	5.131%
97	16.939	2520	2525	2530	rBV3	21595	37149	10.52%	0.790%
98	17.386	2599	2601	2608	rVB4	15719	24476	6.93%	0.521%
99	18.121	2724	2726	2729	rBV4	6213	6641	1.88%	0.141%
100	19.156	2899	2902	2903	rBV3	4994	4744	1.34%	0.101%

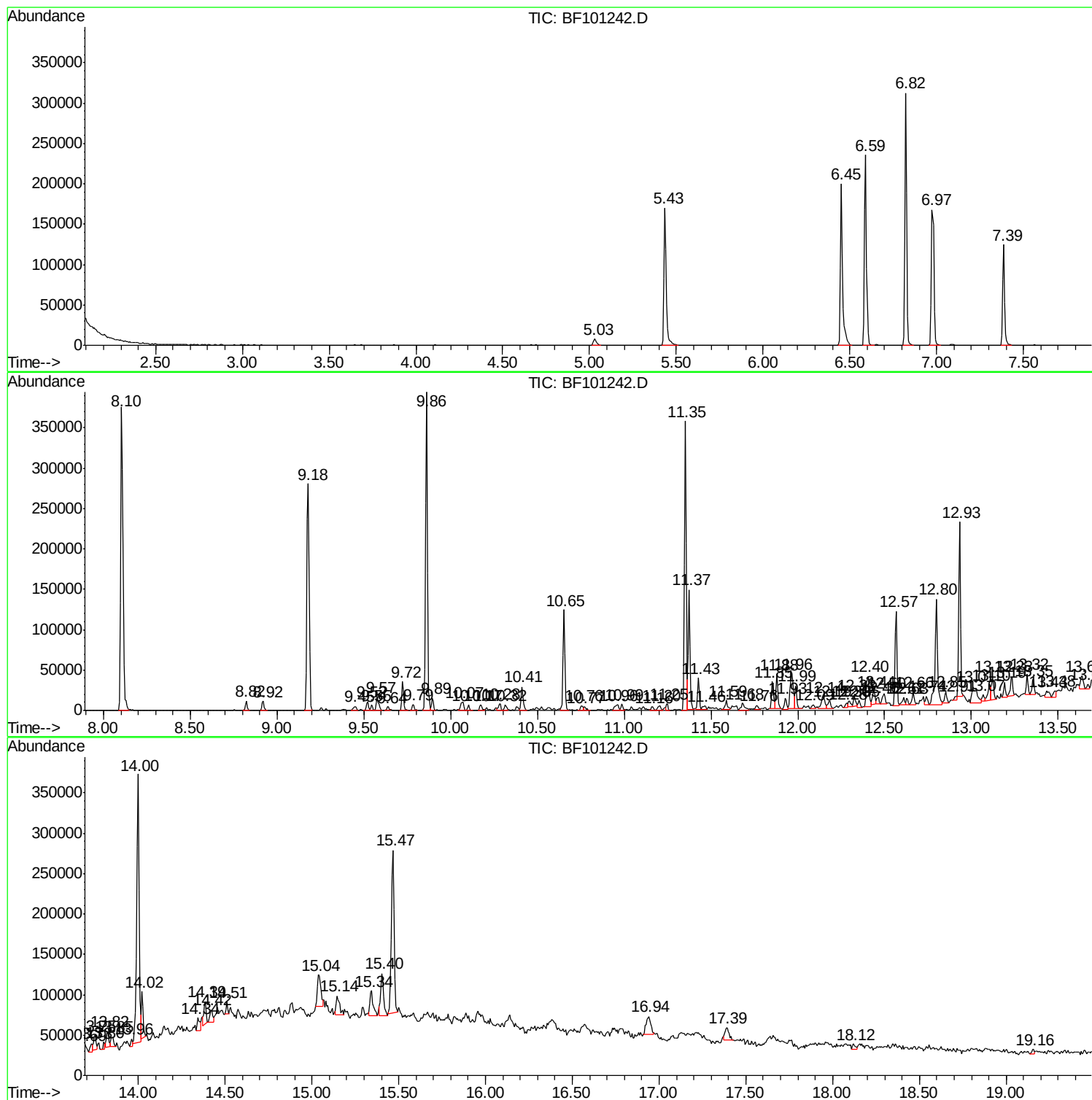
Sum of corrected areas: 4701399

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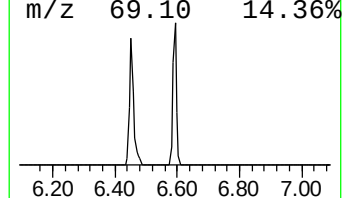
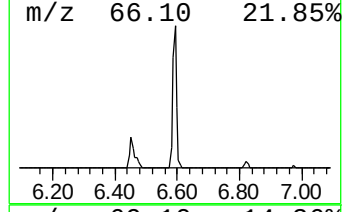
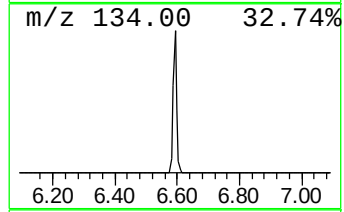
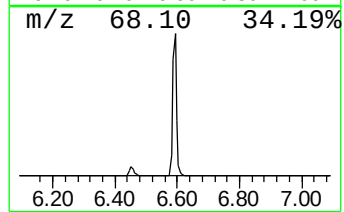
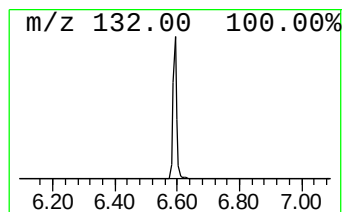
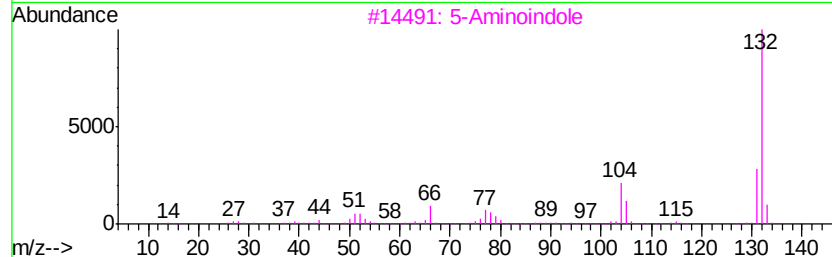
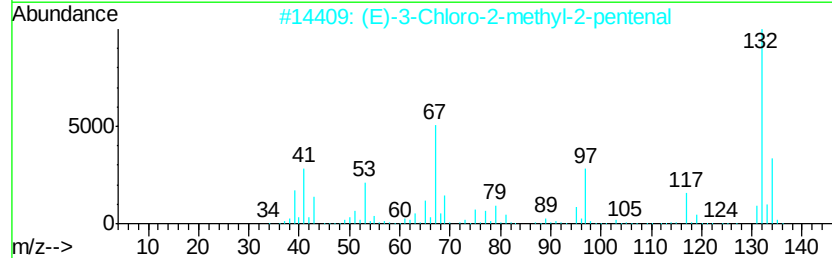
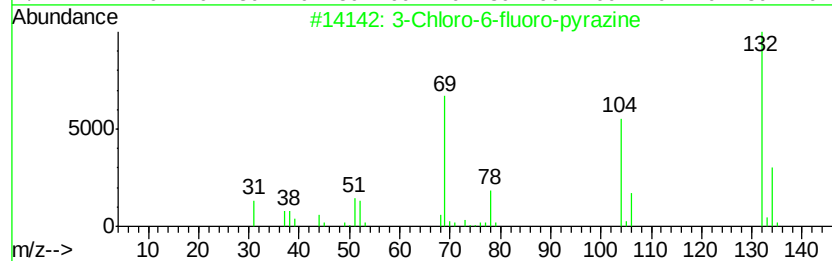
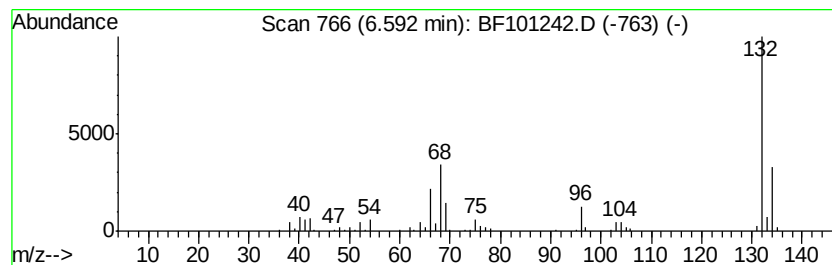
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	15.88 ng	192561	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	10
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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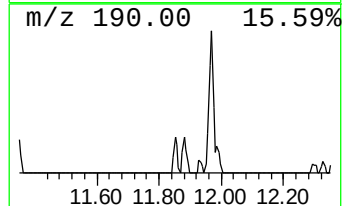
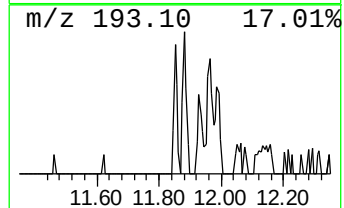
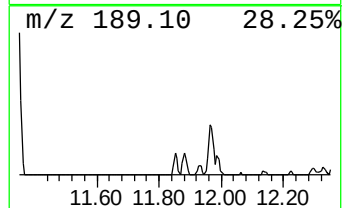
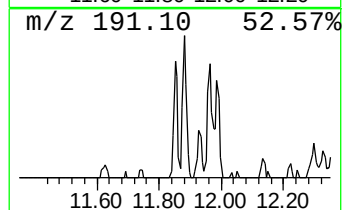
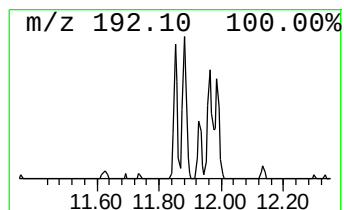
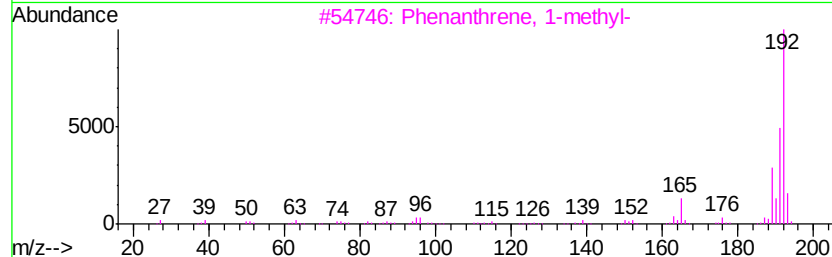
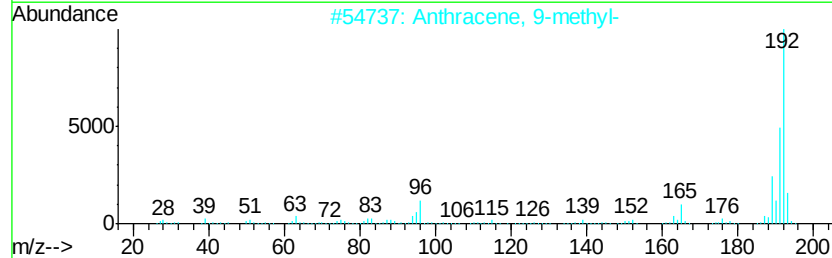
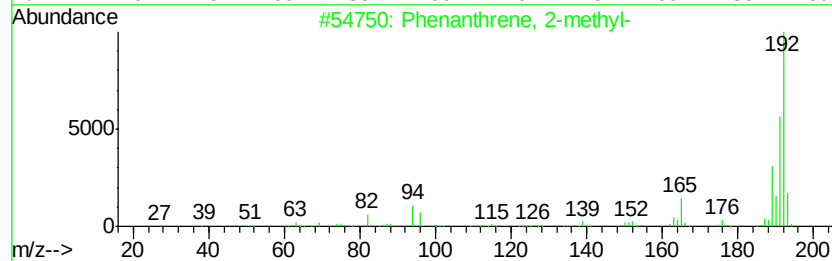
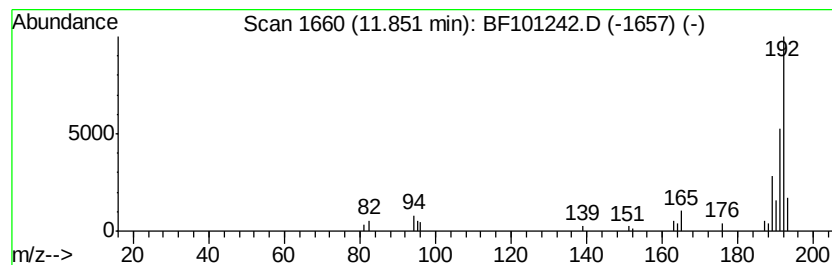
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	2.24 ng	31977	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	87



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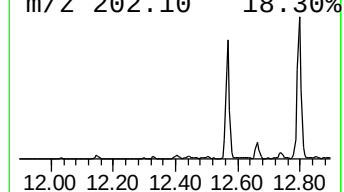
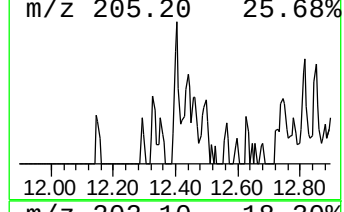
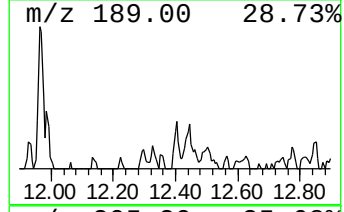
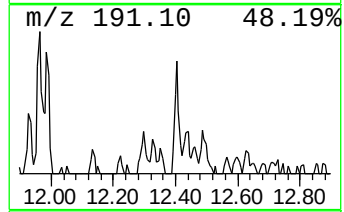
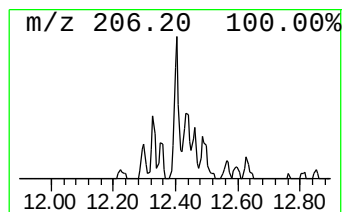
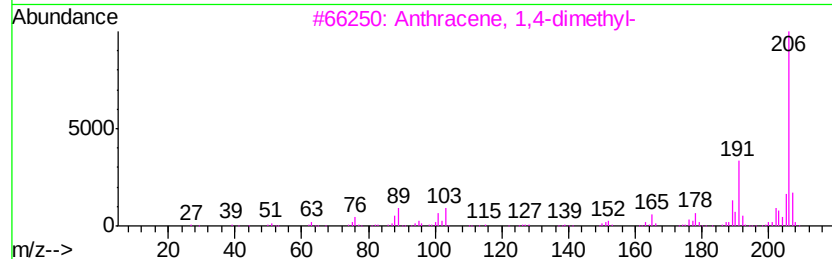
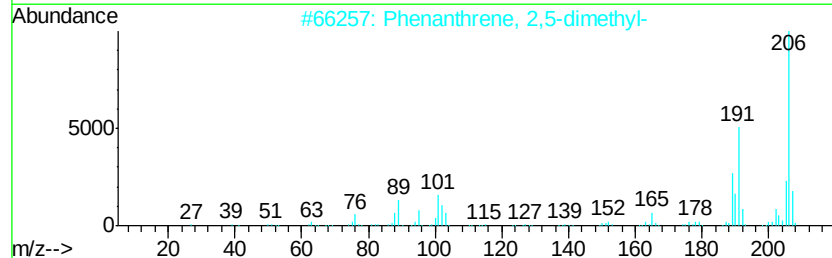
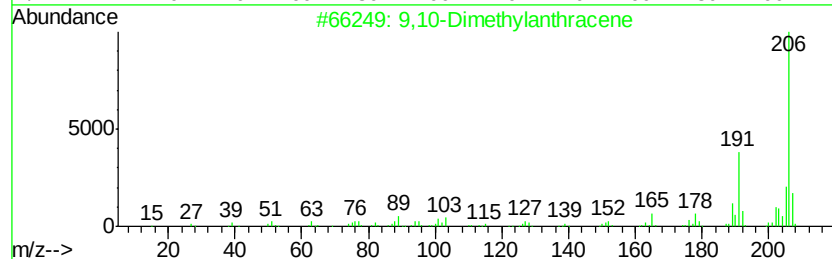
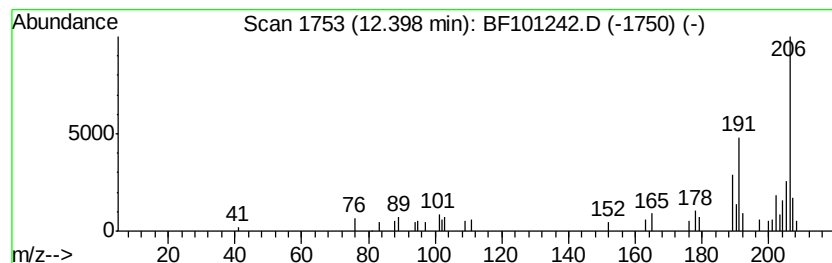
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Peak Number 6 9,10-Dimethylantracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	2.75 ng	39186	Phenanthrene-d10	11.35

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylantracene	206	C16H14	000781-43-1	93	
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93	
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91	
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	86	
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	81	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101242.D
Acq On : 8 Dec 2017 18:10
Operator : SJ/JU
Sample : I6680-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-120617-A

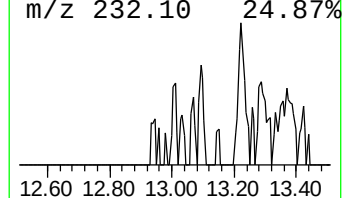
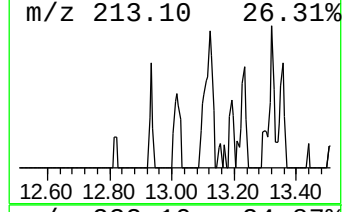
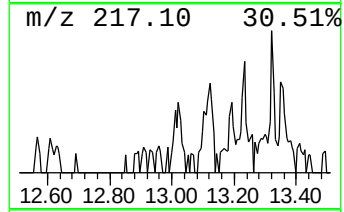
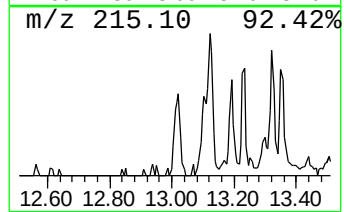
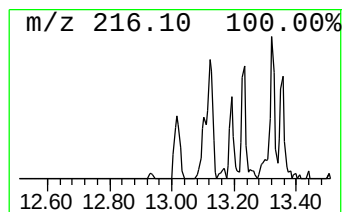
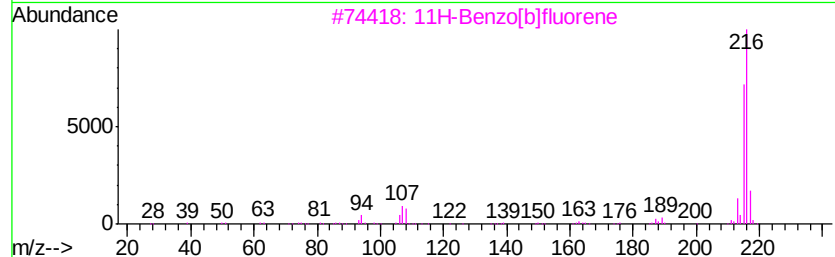
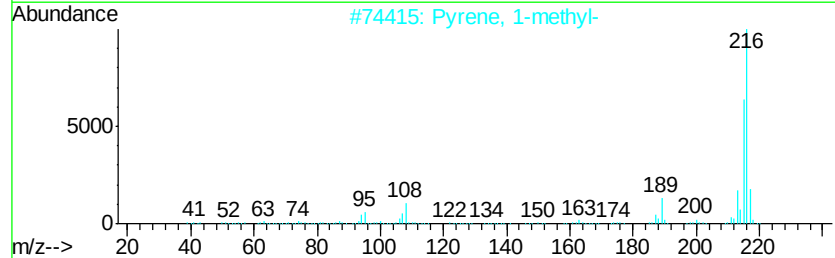
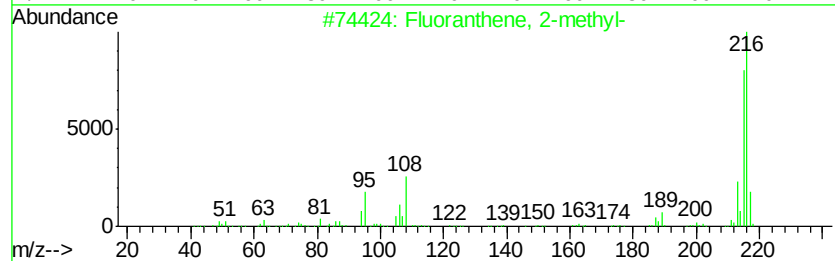
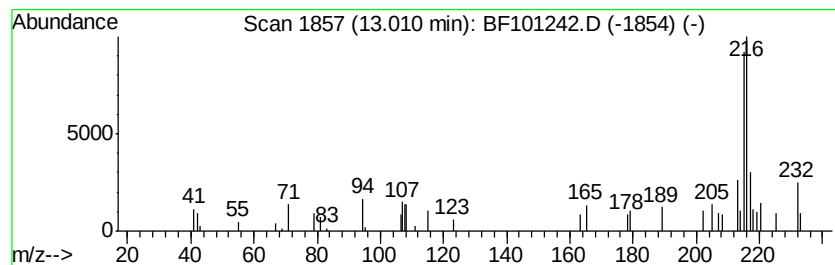
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	2.42 ng	42706	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	58
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	53
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	52
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101242.D
Acq On : 8 Dec 2017 18:10
Operator : SJ/JU
Sample : I6680-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-120617-A

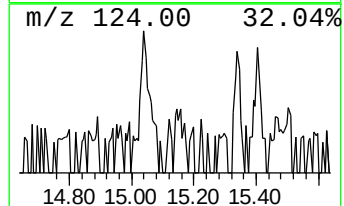
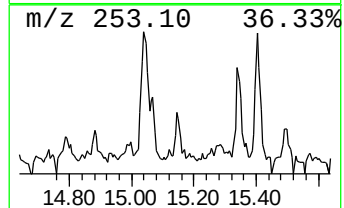
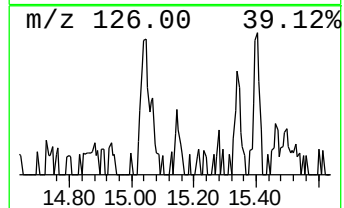
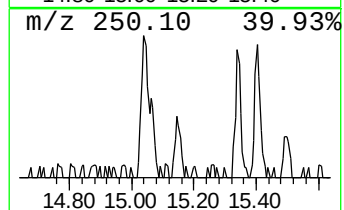
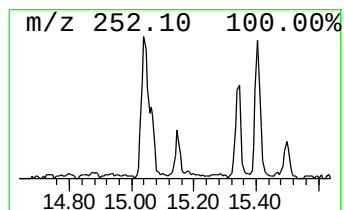
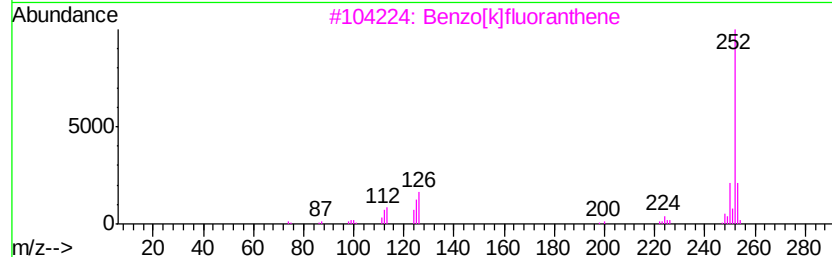
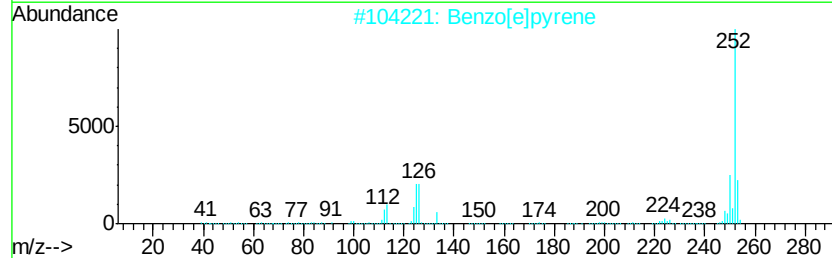
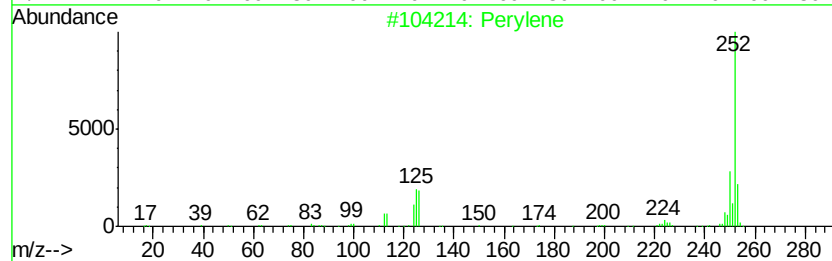
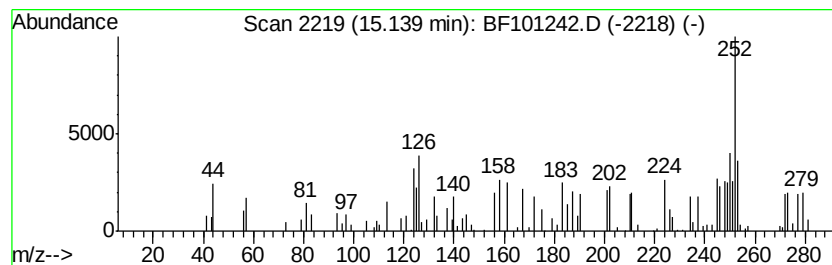
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	2.69 ng	32444	Perylene-d12	15.47

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene		252	C20H12	000198-55-0	76
2	Benzo[e]pyrene		252	C20H12	000192-97-2	76
3	Benzo[k]fluoranthene		252	C20H12	000207-08-9	64
4	Benzo[e]acephenanthrylene		252	C20H12	000205-99-2	64
5	Benzo[j]fluoranthene		252	C20H12	000205-82-3	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
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Acq On : 8 Dec 2017 18:10
Operator : SJ/JU
Sample : I6680-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-120617-A

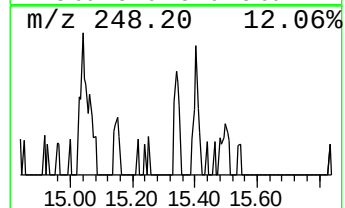
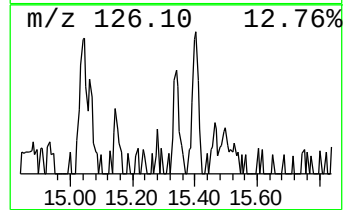
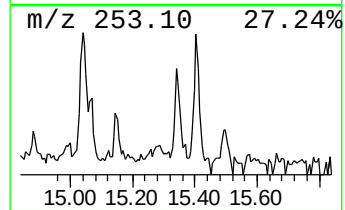
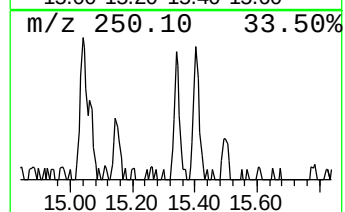
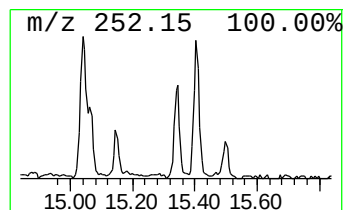
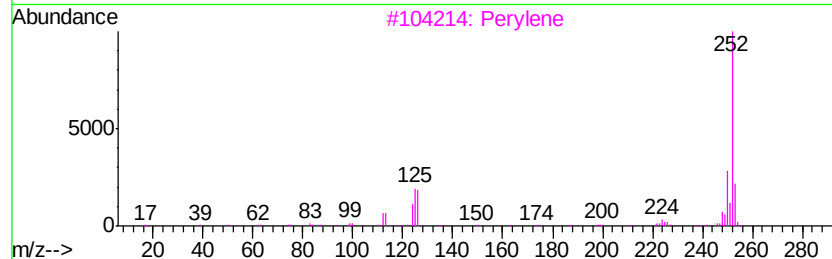
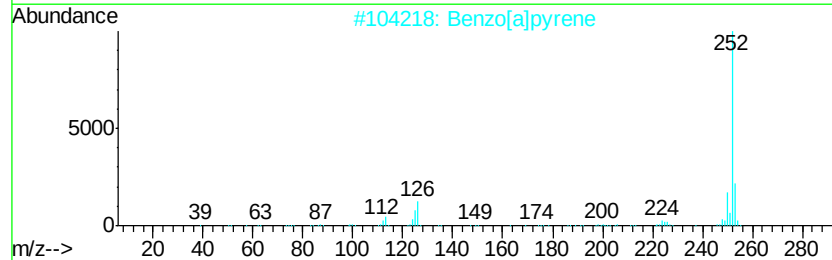
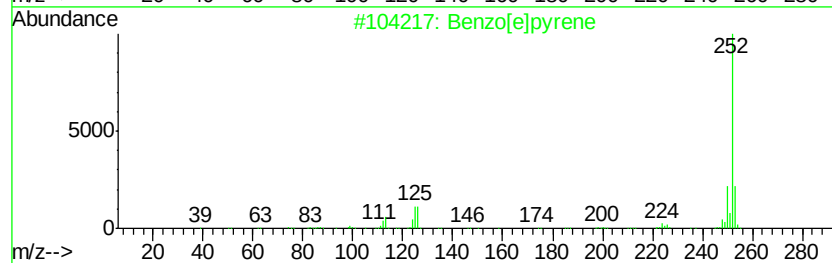
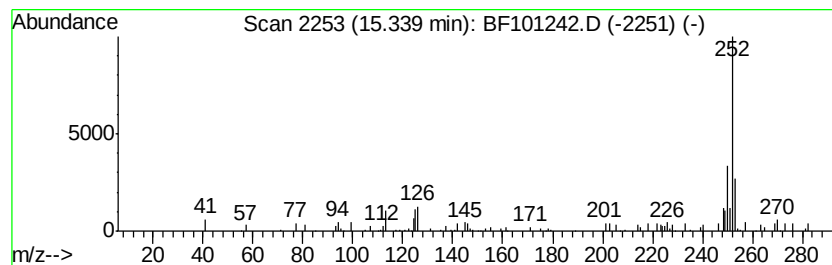
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	3.33 ng	40136	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	70
2		Benzo[a]pyrene	252	C20H12	000050-32-8	70
3		Perylene	252	C20H12	000198-55-0	70
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	62
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120817\
Data File : BF101242.D
Acq On : 8 Dec 2017 18:10
Operator : SJ/JU
Sample : I6680-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-120617-A

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
unknown6.59	6.59	15.9	ng	192561	1	6.82	242569	20.0
Phenanthrene, 2-m...	11.85	2.2	ng	31977	4	11.35	285489	20.0
9,10-Dimethylanth...	12.40	2.8	ng	39186	4	11.35	285489	20.0
Fluoranthene, 2-m...	13.01	2.4	ng	42706	5	14.00	353294	20.0
Perylene	15.14	2.7	ng	32444	6	15.47	241216	20.0
Benzo[e]pyrene	15.34	3.3	ng	40136	6	15.47	241216	20.0