

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102919\
 Data File : BF117610.D
 Acq On : 30 Oct 2019 00:46
 Operator : JU
 Sample : K5576-16 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-1-5

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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	4.916	478	481	487	rBV2	8982	14418	1.44%	0.117%
2	5.369	555	558	577	rBV	53830	111155	11.07%	0.903%
3	6.398	730	733	749	rBV	60226	129743	12.92%	1.054%
4	6.510	749	752	759	rBV	105915	139242	13.86%	1.131%
5	6.728	786	789	804	rBV	200534	194447	19.36%	1.579%
6	6.887	812	816	826	rBV	99164	114244	11.38%	0.928%
7	7.304	884	887	902	rBV	30680	67406	6.71%	0.547%
8	8.010	1004	1007	1030	rVB	218679	257044	25.59%	2.088%
9	9.081	1186	1189	1201	rBV	135709	147089	14.65%	1.195%
10	9.481	1255	1257	1265	rBV2	22366	27336	2.72%	0.222%
11	9.622	1278	1281	1290	rBV	190334	194574	19.37%	1.580%
12	9.763	1301	1305	1309	rBV	271657	255468	25.44%	2.075%
13	9.792	1309	1310	1317	rVB	18233	16477	1.64%	0.134%
14	9.975	1335	1341	1344	rBV4	11982	14638	1.46%	0.119%
15	10.316	1395	1399	1405	rVB3	16393	22401	2.23%	0.182%
16	10.422	1411	1417	1422	rBV3	12075	17349	1.73%	0.141%
17	10.563	1433	1441	1452	rVB3	65170	81740	8.14%	0.664%
18	10.675	1455	1460	1466	rBV4	17894	31500	3.14%	0.256%
19	11.010	1515	1517	1523	rVV2	19525	22873	2.28%	0.186%
20	11.069	1523	1527	1530	rVV2	18705	21446	2.14%	0.174%
21	11.104	1530	1533	1536	rVV3	16220	20264	2.02%	0.165%
22	11.151	1536	1541	1546	rVB4	12240	18920	1.88%	0.154%
23	11.251	1554	1558	1560	rBV	259584	246604	24.56%	2.003%
24	11.275	1560	1562	1568	rVV	269897	241468	24.04%	1.961%
25	11.327	1568	1571	1577	rVV	190917	186842	18.60%	1.517%
26	11.374	1577	1579	1584	rVB3	12710	17901	1.78%	0.145%
27	11.492	1594	1599	1604	rBV2	47701	70981	7.07%	0.576%
28	11.539	1604	1607	1609	rVB3	19833	20856	2.08%	0.169%
29	11.751	1640	1643	1645	rBV	57448	49128	4.89%	0.399%
30	11.780	1645	1648	1653	rVV2	96440	96594	9.62%	0.785%
31	11.827	1653	1656	1659	rVV	48381	48377	4.82%	0.393%
32	11.863	1659	1662	1665	rVV	104453	121287	12.08%	0.985%
33	11.886	1665	1666	1672	rVB	48462	33583	3.34%	0.273%
34	11.939	1672	1675	1678	rBV4	14204	15547	1.55%	0.126%

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35	12.045	1687	1693	1698	rVB2	49930	54933	5.47%	0.446%
36	12.092	1698	1701	1704	rBV2	47083	50901	5.07%	0.413%
37	12.192	1714	1718	1720	rBV3	19092	18861	1.88%	0.153%
38	12.227	1722	1724	1726	rVV	30282	22297	2.22%	0.181%
39	12.257	1726	1729	1731	rVB	19846	18952	1.89%	0.154%
40	12.298	1733	1736	1739	rBV	81356	83158	8.28%	0.675%
41	12.339	1739	1743	1745	rVV3	40986	58081	5.78%	0.472%
42	12.363	1745	1747	1749	rVV3	31631	27497	2.74%	0.223%
43	12.398	1749	1753	1757	rVV2	69533	82133	8.18%	0.667%
44	12.469	1761	1765	1768	rBV	1033946	909646	90.58%	7.388%
45	12.504	1768	1771	1774	rVV2	25647	29621	2.95%	0.241%
46	12.527	1774	1775	1778	rVB2	22133	18396	1.83%	0.149%
47	12.563	1778	1781	1786	rBV	101764	100973	10.05%	0.820%
48	12.616	1787	1790	1792	rVV	61404	59363	5.91%	0.482%
49	12.639	1792	1794	1797	rVV2	24773	25923	2.58%	0.211%
50	12.698	1797	1804	1809	rVV	939430	1004289	100.00%	8.157%
51	12.751	1809	1813	1817	rVB2	59121	72939	7.26%	0.592%
52	12.827	1820	1826	1829	rBV2	204474	228174	22.72%	1.853%
53	12.863	1829	1832	1836	rVB	53521	59076	5.88%	0.480%
54	12.916	1836	1841	1845	rBV3	83564	143326	14.27%	1.164%
55	12.998	1852	1855	1856	rBV2	81230	80839	8.05%	0.657%
56	13.021	1857	1859	1863	rVB	127467	133705	13.31%	1.086%
57	13.063	1863	1866	1868	rBV3	24060	27391	2.73%	0.222%
58	13.086	1868	1870	1873	rVV	74570	72495	7.22%	0.589%
59	13.127	1873	1877	1881	rVV2	126521	167278	16.66%	1.359%
60	13.186	1884	1887	1890	rBV3	27969	34105	3.40%	0.277%
61	13.221	1890	1893	1896	rVV	77028	68845	6.86%	0.559%
62	13.251	1896	1898	1901	rVV4	63414	69854	6.96%	0.567%
63	13.298	1903	1906	1909	rVB	255164	227625	22.67%	1.849%
64	13.398	1920	1923	1925	rBV3	40760	37116	3.70%	0.301%
65	13.427	1925	1928	1929	rBV3	20339	18517	1.84%	0.150%
66	13.545	1945	1948	1951	rBV	126255	119752	11.92%	0.973%
67	13.598	1954	1957	1960	rVB2	25371	28561	2.84%	0.232%
68	13.645	1960	1965	1967	rBV2	103671	131692	13.11%	1.070%
69	13.668	1967	1969	1972	rVB2	66081	51861	5.16%	0.421%
70	13.698	1972	1974	1976	rBV	70784	59783	5.95%	0.486%
71	13.757	1981	1984	1989	rVB2	136117	147850	14.72%	1.201%

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72	13.816	1992	1994	1997	rVB	19441	18638	1.86%	0.151%
73	13.863	1999	2002	2003	rBV	90750	88010	8.76%	0.715%
74	13.892	2003	2007	2010	rVV2	564345	782143	77.88%	6.352%
75	13.927	2010	2013	2016	rVB	411682	400845	39.91%	3.256%
76	14.004	2024	2026	2028	rBV2	49099	39118	3.90%	0.318%
77	14.057	2032	2035	2040	rVB3	76437	101646	10.12%	0.826%
78	14.221	2061	2063	2065	rVB2	19255	12582	1.25%	0.102%
79	14.245	2065	2067	2069	rBV	35607	27934	2.78%	0.227%
80	14.286	2069	2074	2077	rVV	120963	154742	15.41%	1.257%
81	14.321	2077	2080	2082	rVV	47793	48007	4.78%	0.390%
82	14.345	2082	2084	2089	rVV3	53069	86490	8.61%	0.702%
83	14.386	2089	2091	2093	rVV3	41989	37960	3.78%	0.308%
84	14.410	2093	2095	2102	rVB2	58333	91211	9.08%	0.741%
85	14.610	2127	2129	2136	rVB7	36254	75289	7.50%	0.611%
86	14.780	2154	2158	2160	rVB2	61377	68067	6.78%	0.553%
87	14.927	2179	2183	2186	rBV	405738	619919	61.73%	5.035%
88	14.957	2186	2188	2193	rVV2	335603	347252	34.58%	2.820%
89	15.033	2197	2201	2204	rBV	104418	115916	11.54%	0.941%
90	15.115	2212	2215	2220	rBV4	25156	49267	4.91%	0.400%
91	15.215	2228	2232	2239	rVV	214822	256988	25.59%	2.087%
92	15.280	2239	2243	2249	rVV	277934	359241	35.77%	2.918%
93	15.333	2249	2252	2255	rVV	109575	132978	13.24%	1.080%
94	15.368	2255	2258	2264	rVB2	76381	105785	10.53%	0.859%
95	15.498	2278	2280	2284	rVB4	22778	27995	2.79%	0.227%
96	15.715	2314	2317	2322	rVB	80060	99320	9.89%	0.807%
97	16.757	2486	2494	2500	rVB2	133157	270785	26.96%	2.199%
98	16.909	2514	2520	2526	rBV3	31060	64878	6.46%	0.527%
99	16.968	2526	2530	2536	rBV4	24530	47364	4.72%	0.385%
100	17.186	2561	2567	2574	rVB	80117	167489	16.68%	1.360%

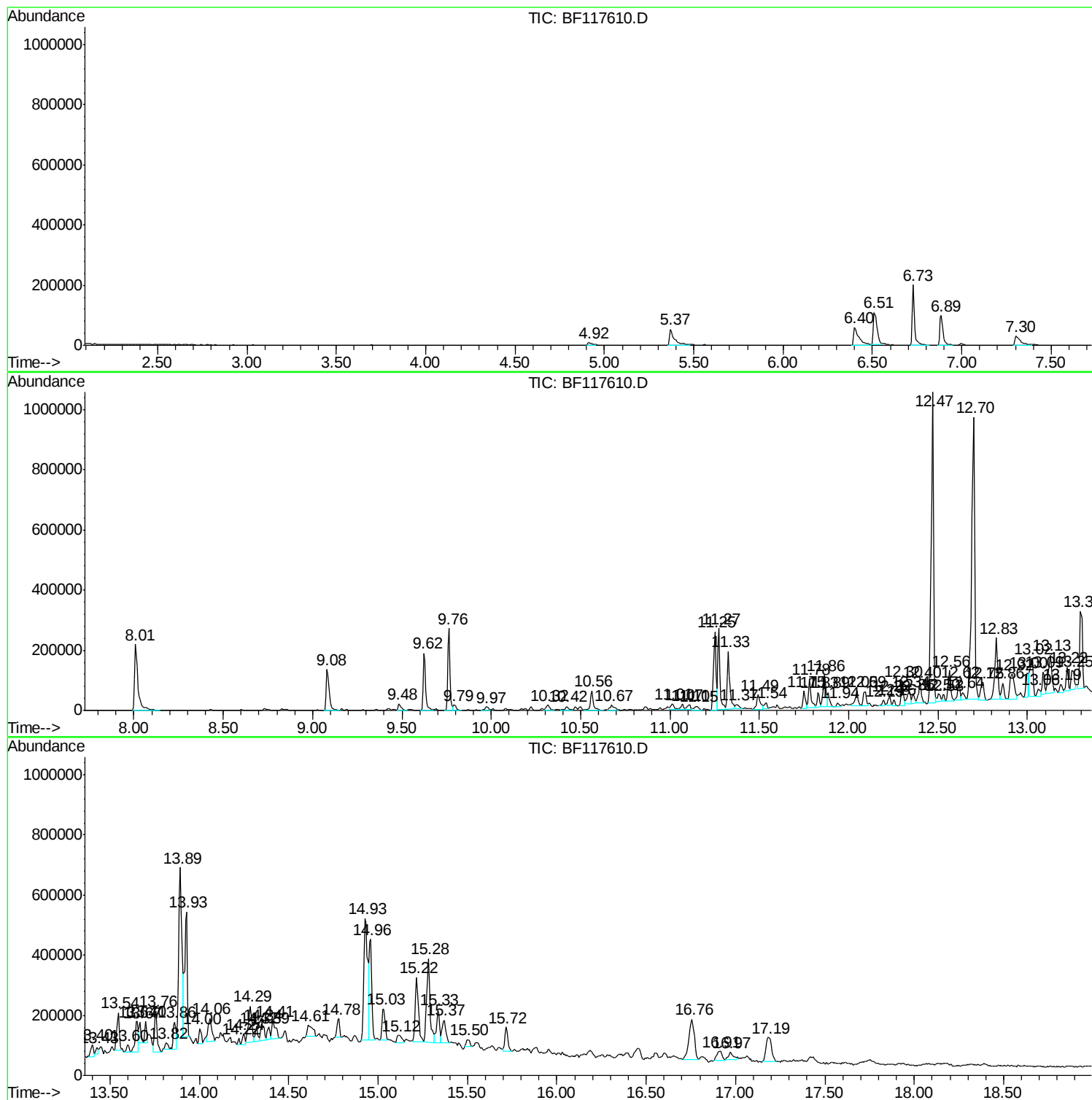
Sum of corrected areas: 12312609

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.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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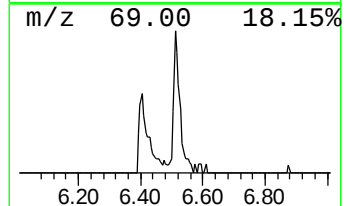
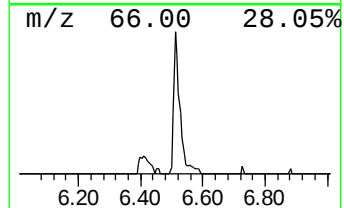
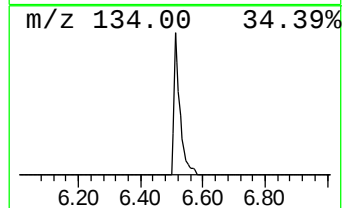
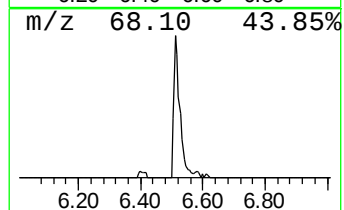
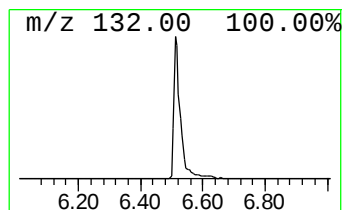
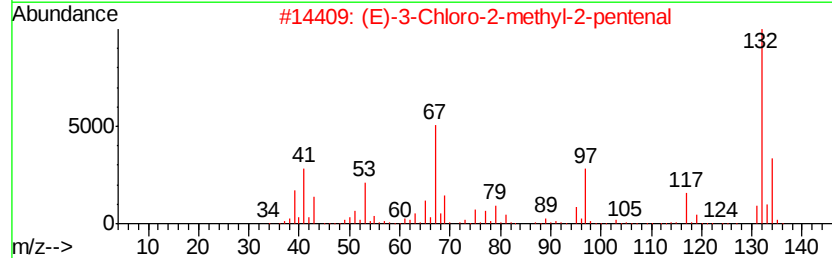
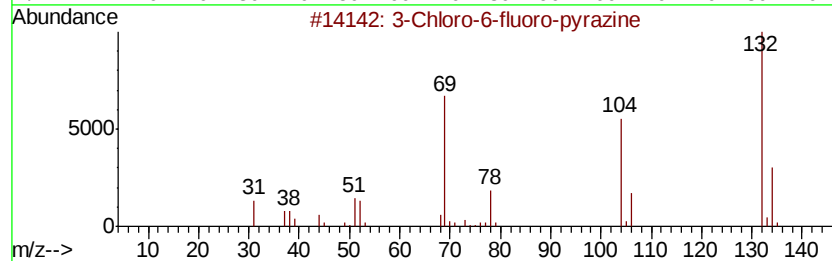
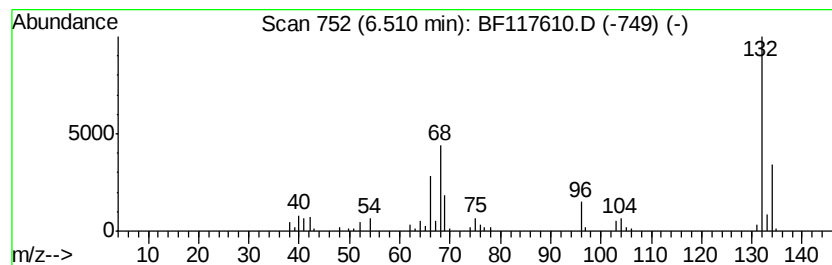
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.51 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	14.32 ng	139242	1,4-Dichlorobenzene-d4	6.73

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	12
3		5-Aminoindole	132	C8H8N2	005192-03-0	10
4		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
5		Amphetaminil	250	C17H18N2	017590-01-1	10



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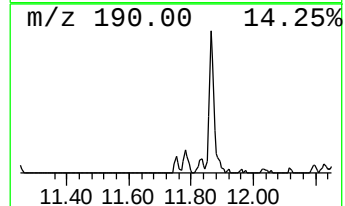
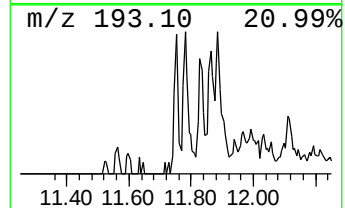
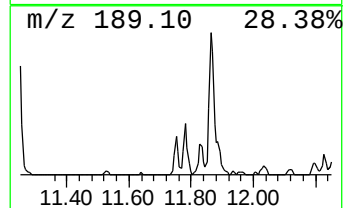
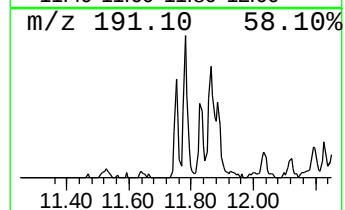
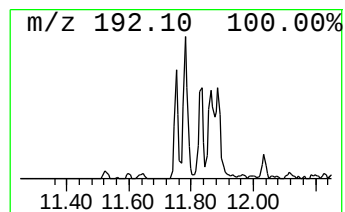
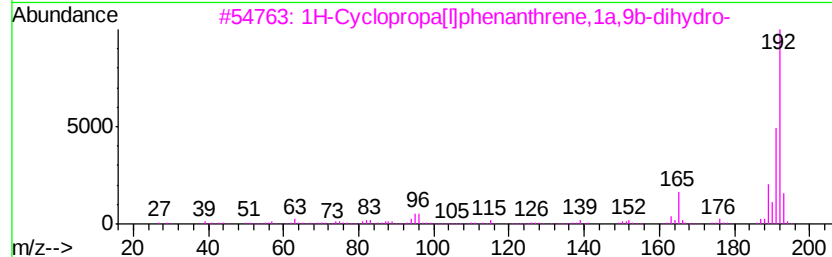
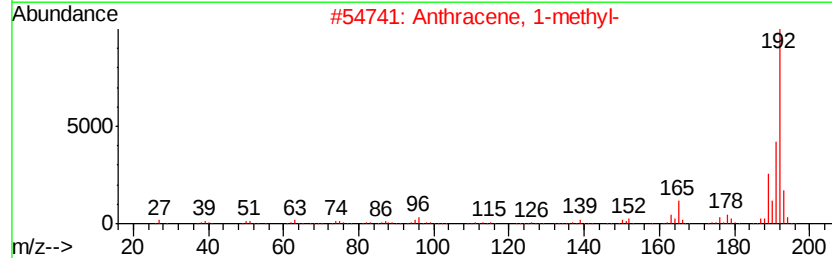
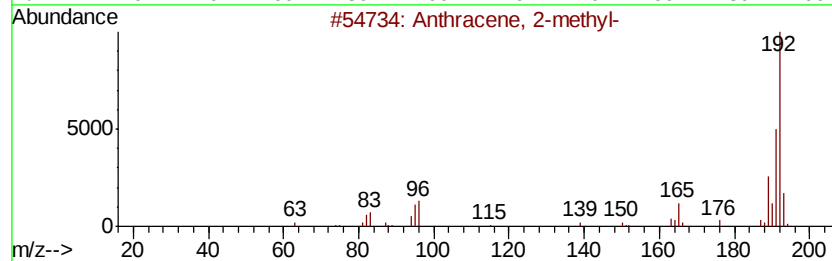
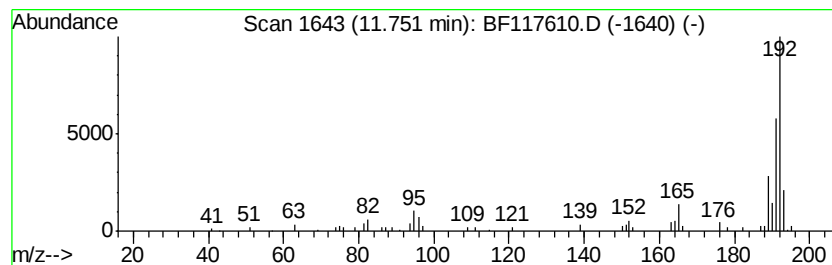
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	3.98 ng	49128	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



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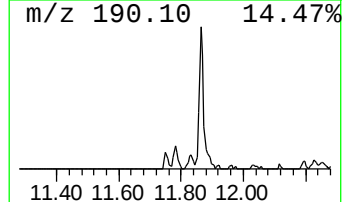
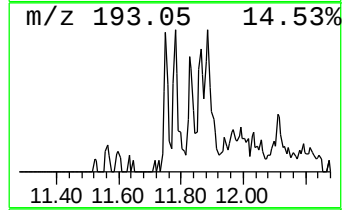
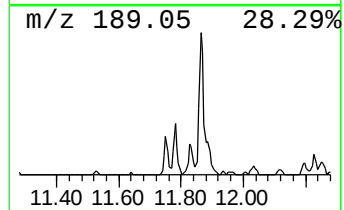
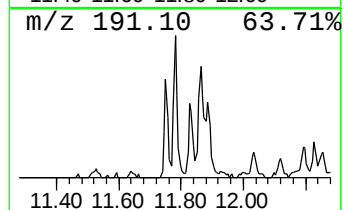
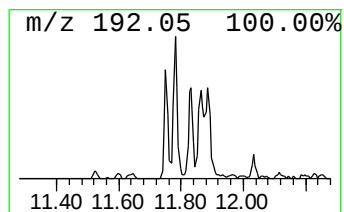
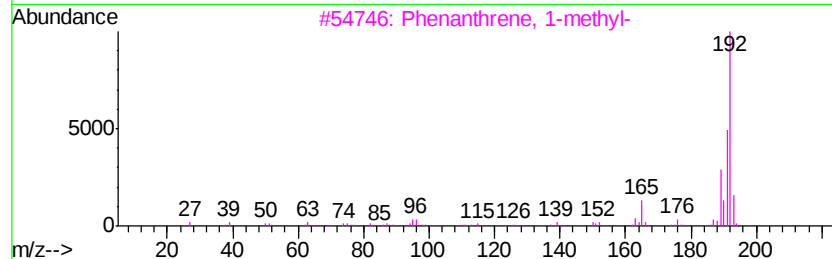
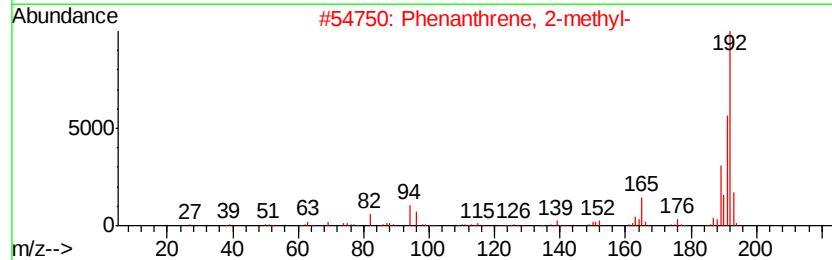
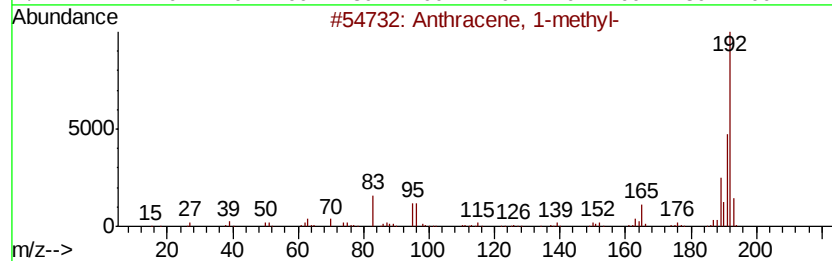
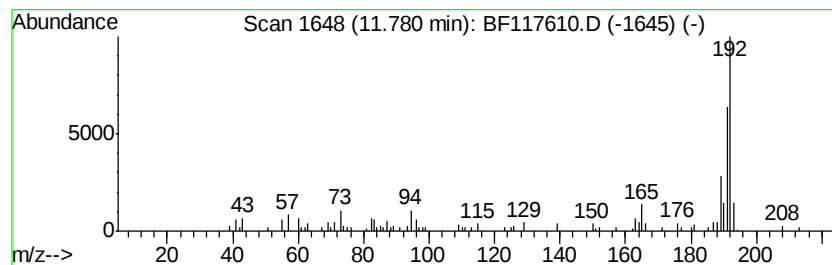
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	7.83 ng	96594	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117610.D
Acq On : 30 Oct 2019 00:46
Operator : JU
Sample : K5576-16 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

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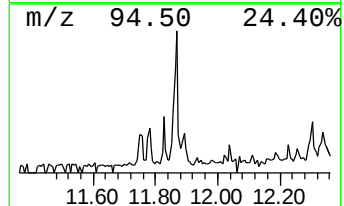
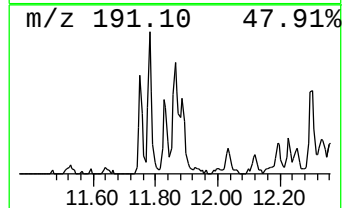
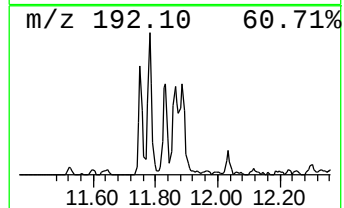
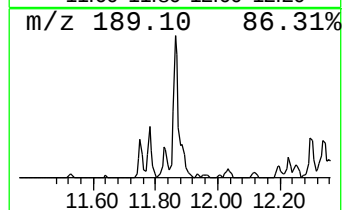
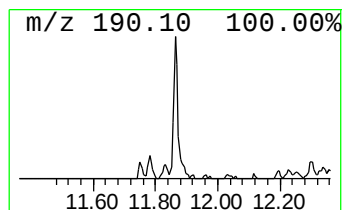
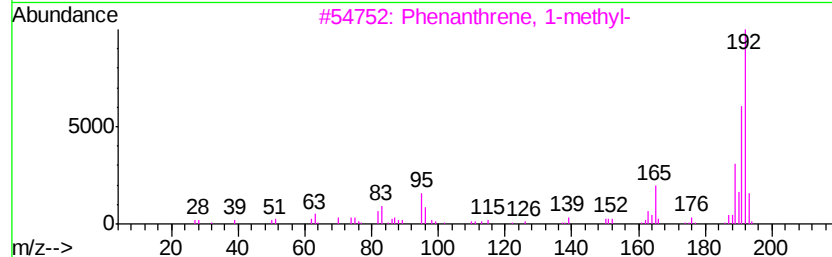
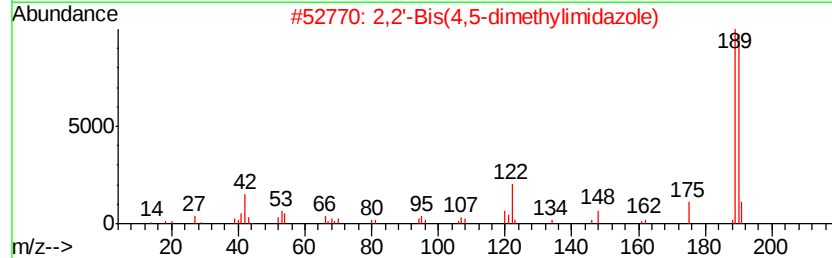
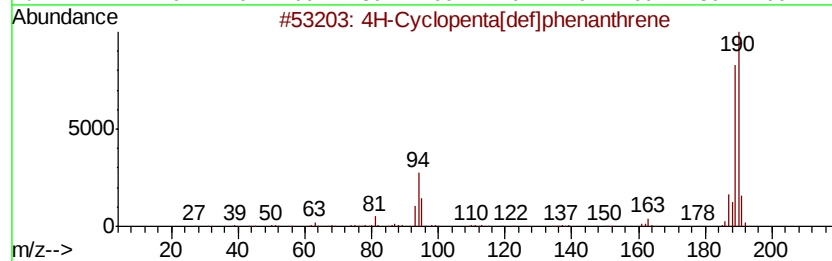
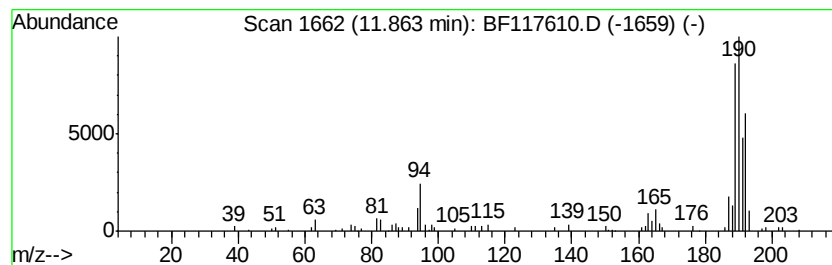
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	9.84 ng	121287	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
4		Benzene, 1,1'-(2-cyclopropen-1-yl)-	192	C15H12	022825-21-4	22
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117610.D
Acq On : 30 Oct 2019 00:46
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Misc :
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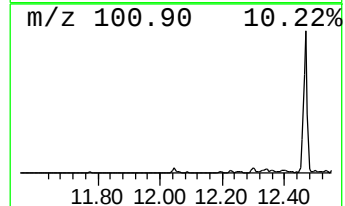
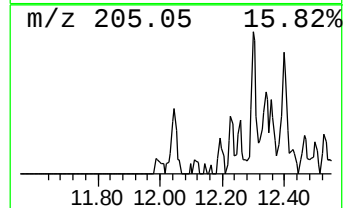
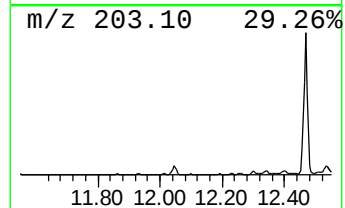
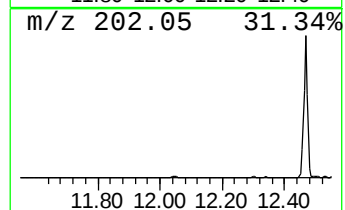
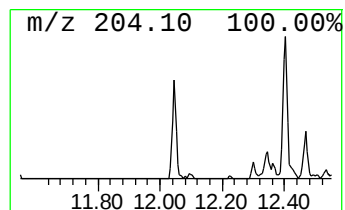
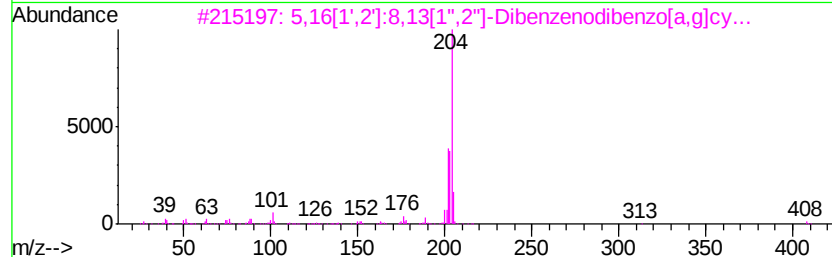
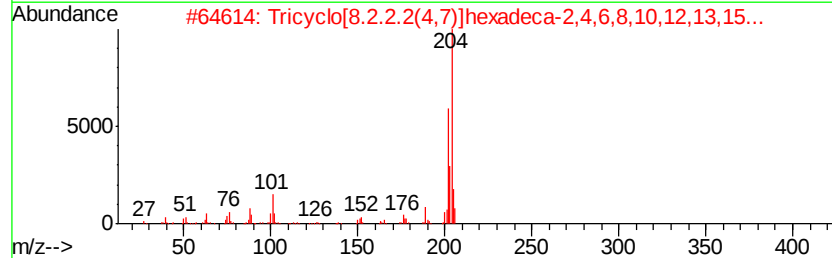
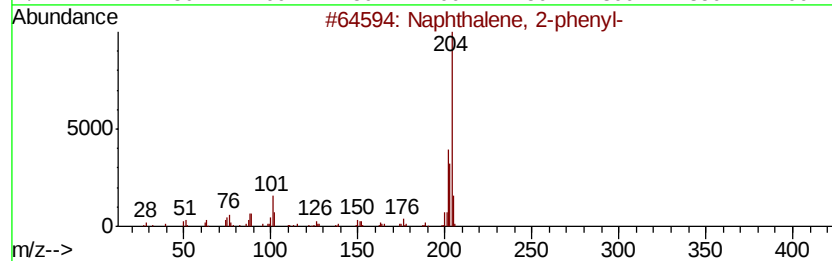
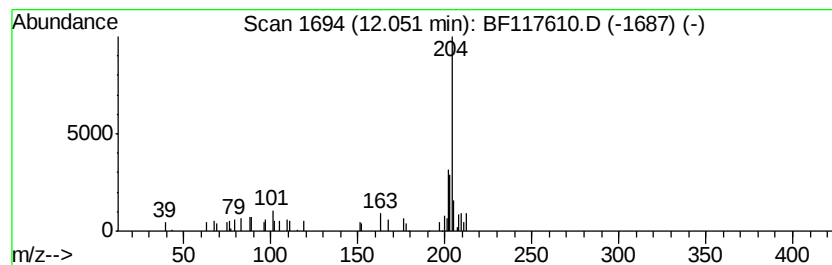
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	4.46 ng	54933	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
3		5,16[1',2']:8,13[1',2']-Dibenz...	408	C32H24	005672-97-9	80
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117610.D
Acq On : 30 Oct 2019 00:46
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Sample : K5576-16 5X
Misc :
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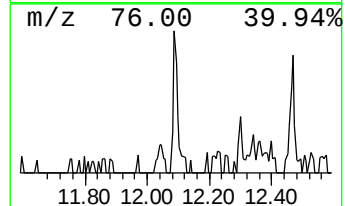
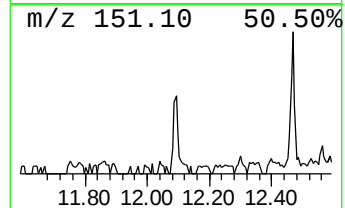
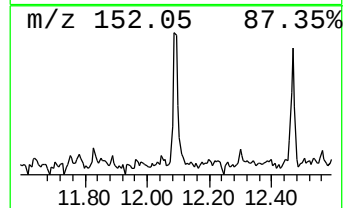
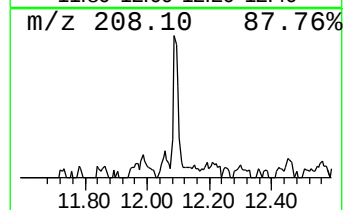
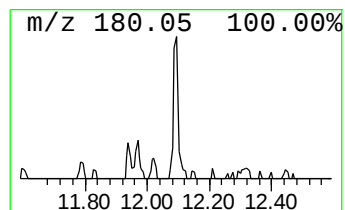
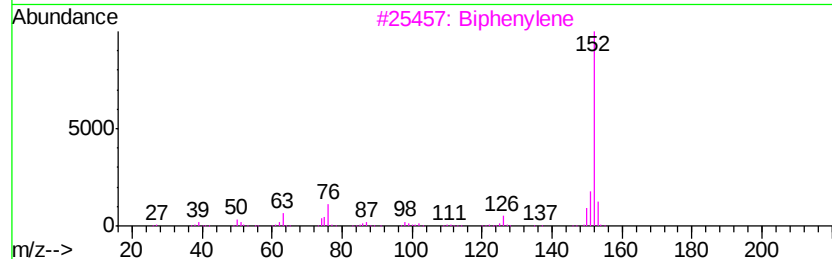
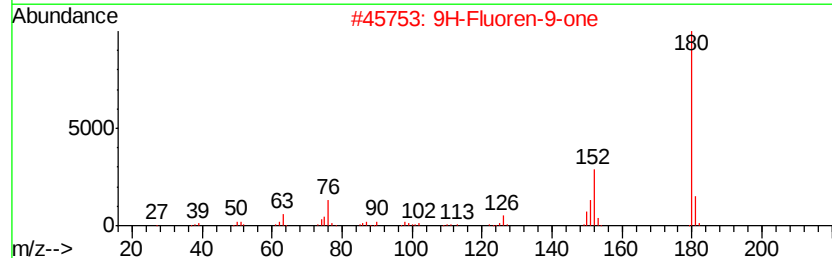
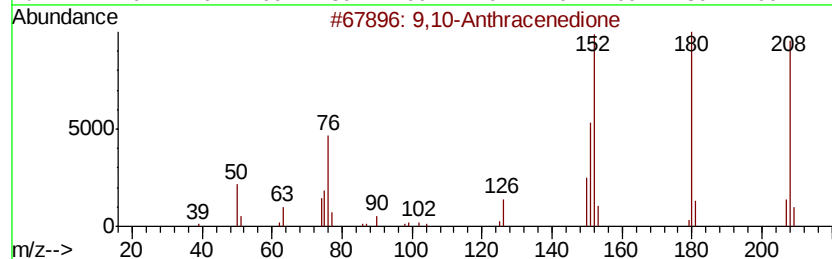
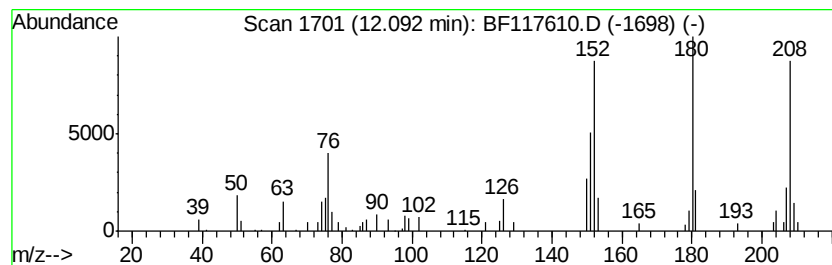
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	4.13 ng	50901	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3			Biphenylene	152	C12H8	000259-79-0	70
4			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117610.D
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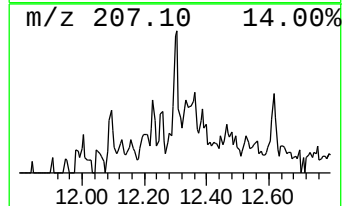
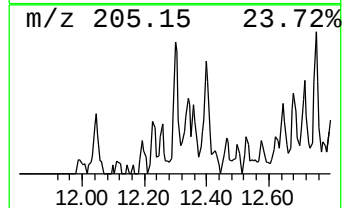
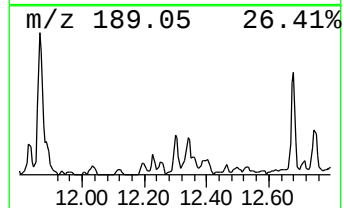
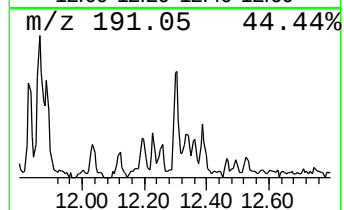
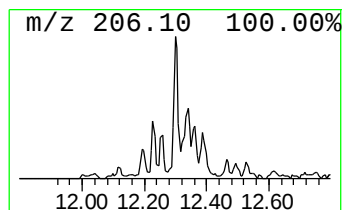
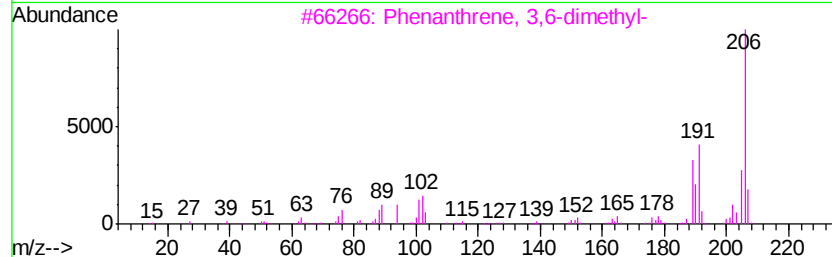
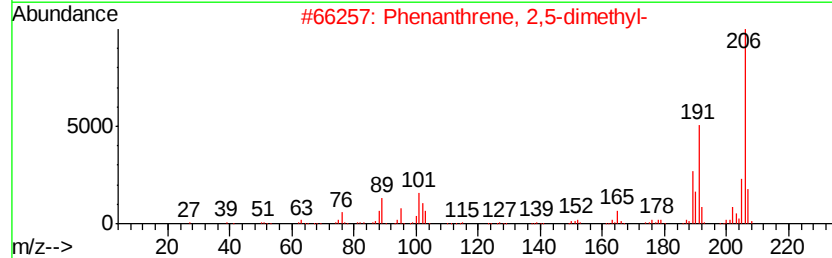
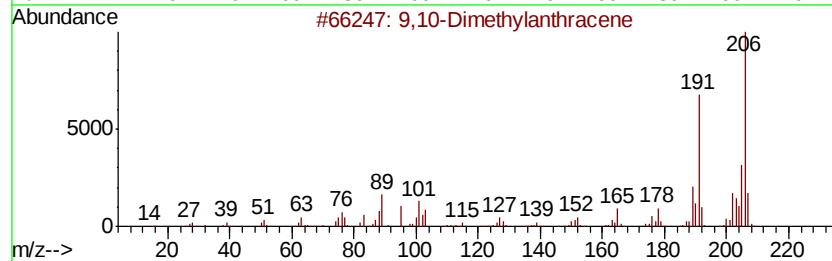
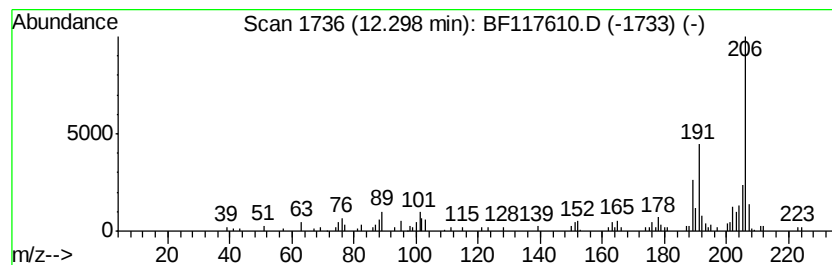
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9,10-Dimethylantracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	6.74 ng	83158	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Dimethylantracene	206	C16H14	000781-43-1	96
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5			1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117610.D
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Misc :
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ClientSampleId :
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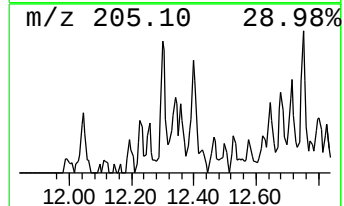
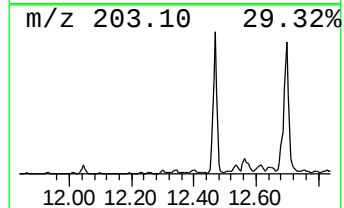
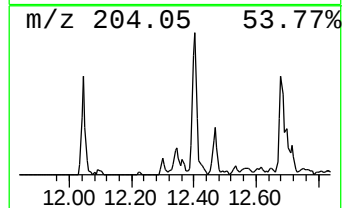
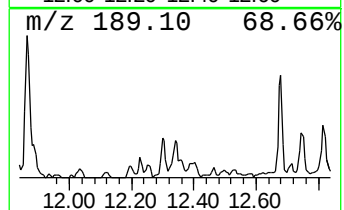
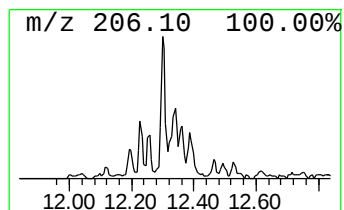
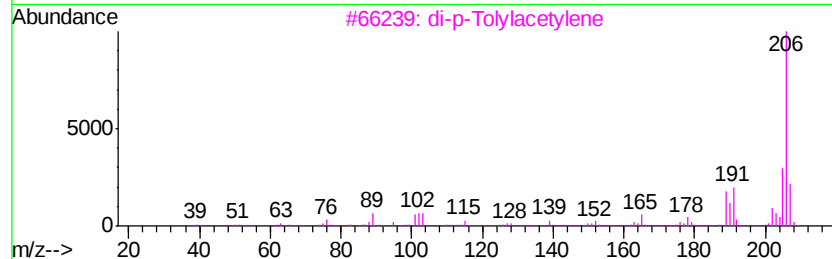
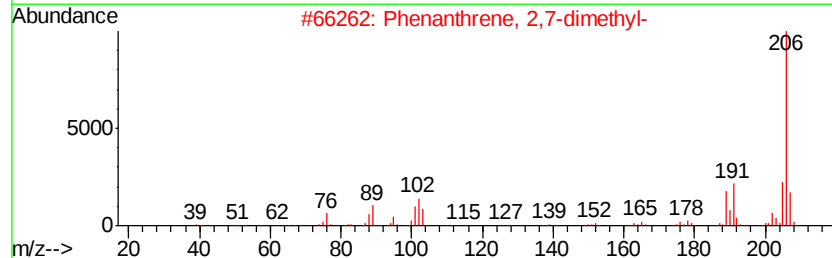
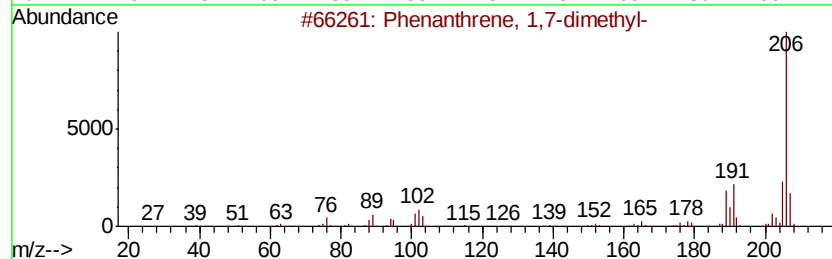
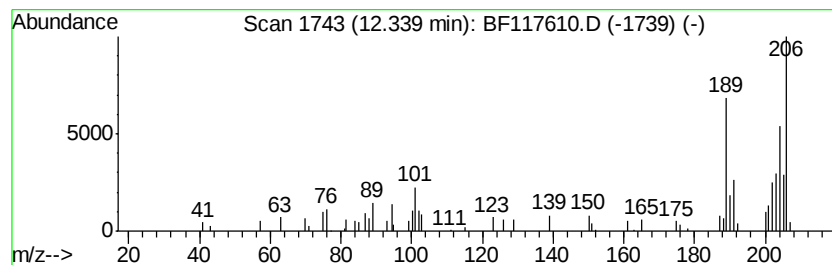
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown12.34 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	4.71 ng	58081	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	45
2			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	45
3			di-p-Tolylacetylene	206	C16H14	002789-88-0	43
4			4-Bromo-2-fluoroanisole	204	C7H6BrFO	002357-52-0	38
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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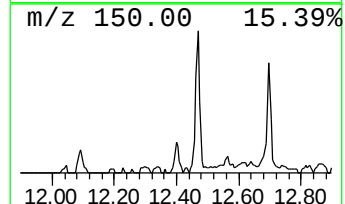
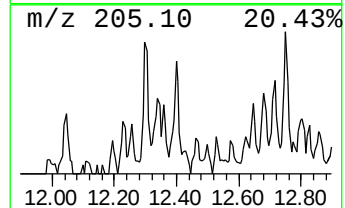
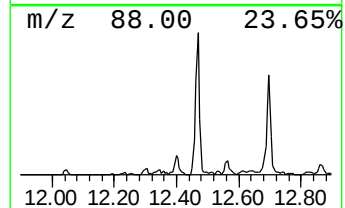
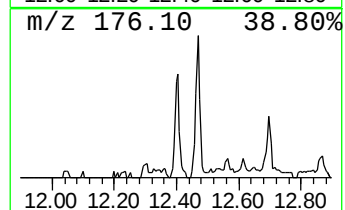
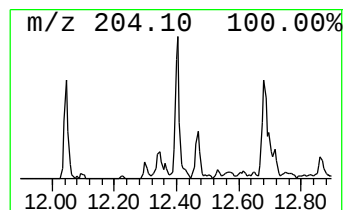
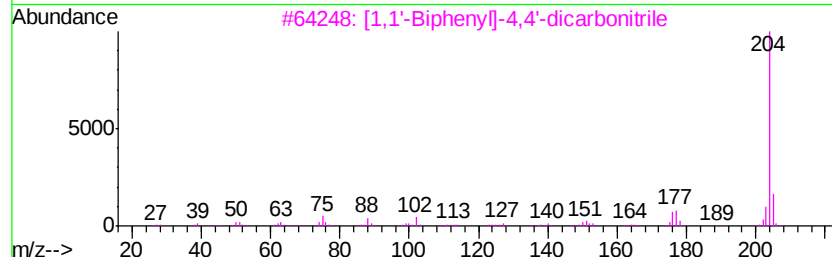
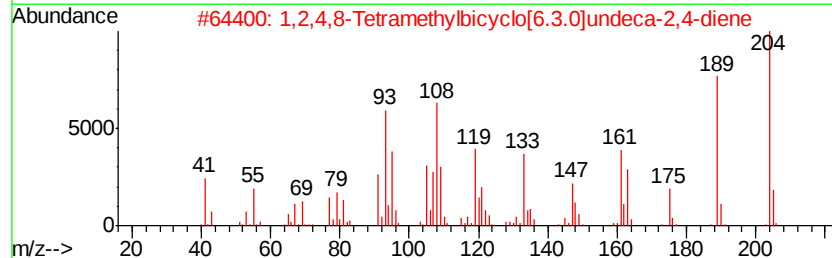
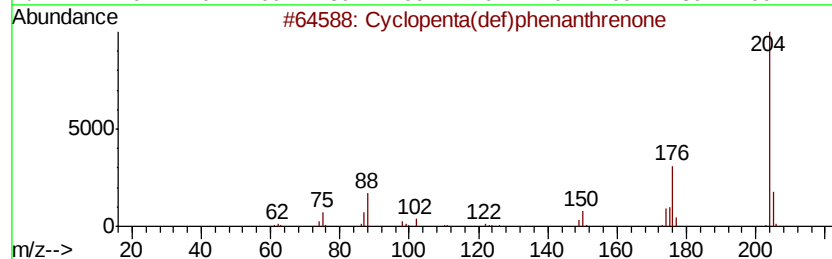
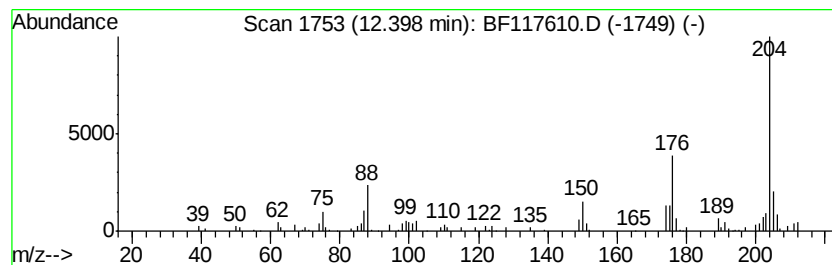
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	6.66 ng	82133	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	50
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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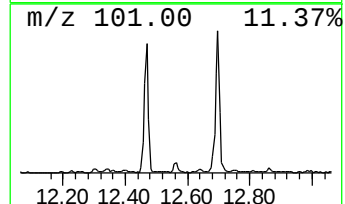
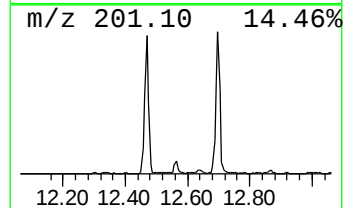
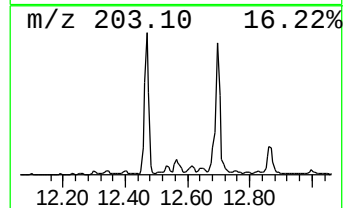
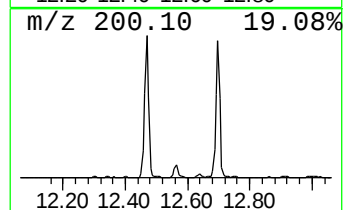
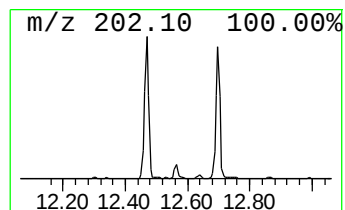
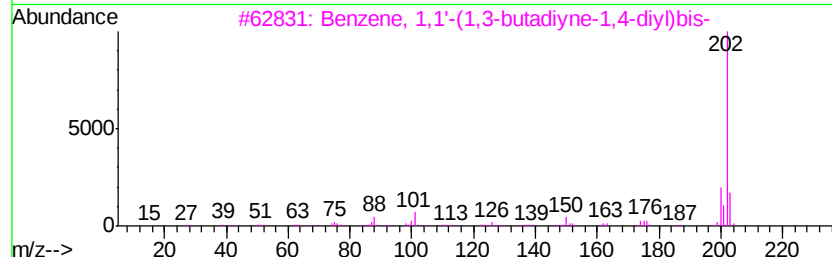
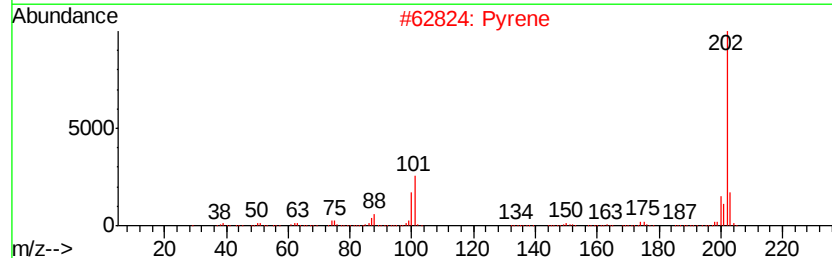
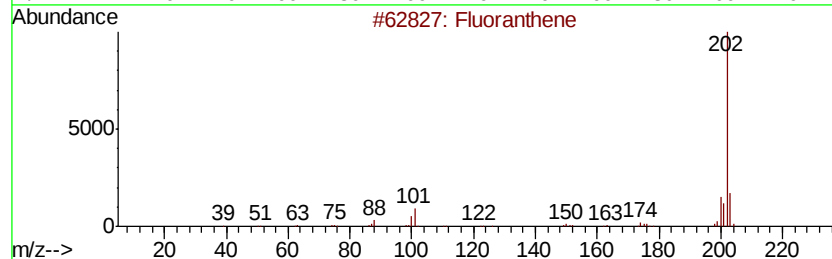
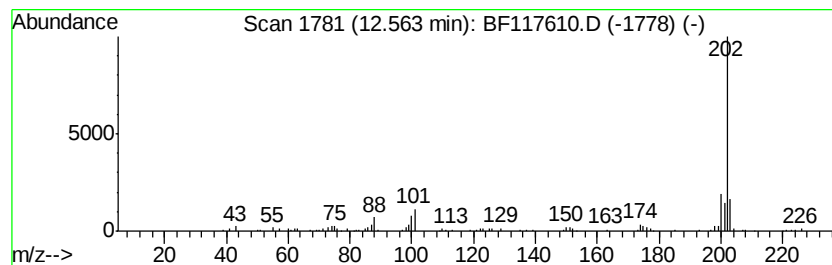
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	8.19 ng	100973	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene	202	C16H10	000206-44-0	93
2			Pyrene	202	C16H10	000129-00-0	86
3			Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	81
4			l-Leucine, N-methyl-N-(2-methoxy...	499	C29H57NO5	1000328-55-2	50
5			l-Leucine, N-methyl-N-(2-methoxy...	373	C20H39NO5	1000328-54-4	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117610.D
Acq On : 30 Oct 2019 00:46
Operator : JU
Sample : K5576-16 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

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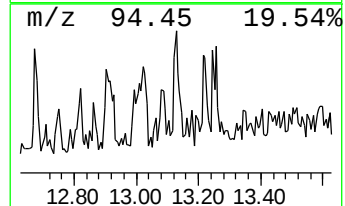
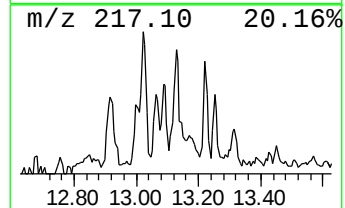
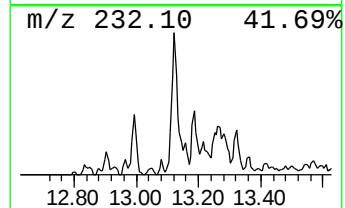
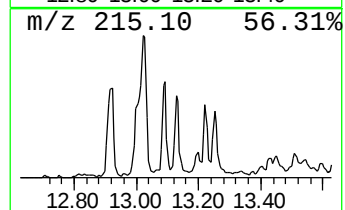
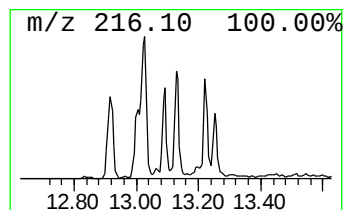
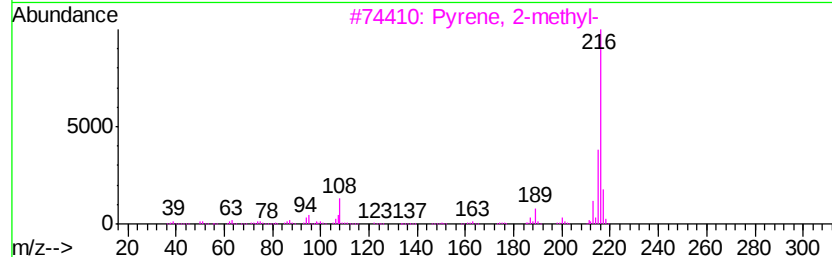
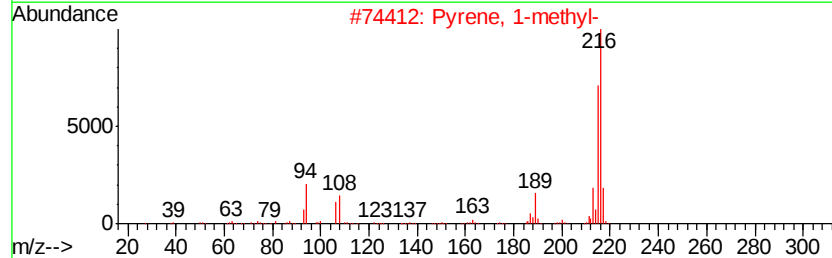
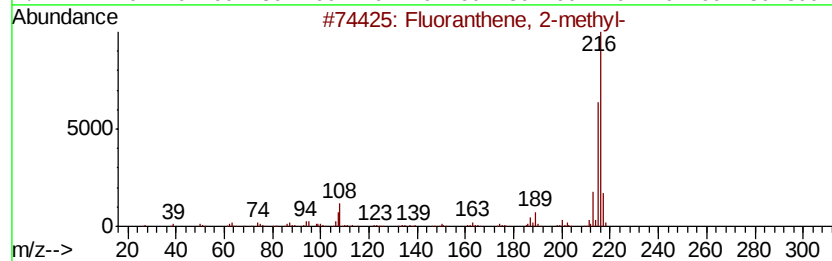
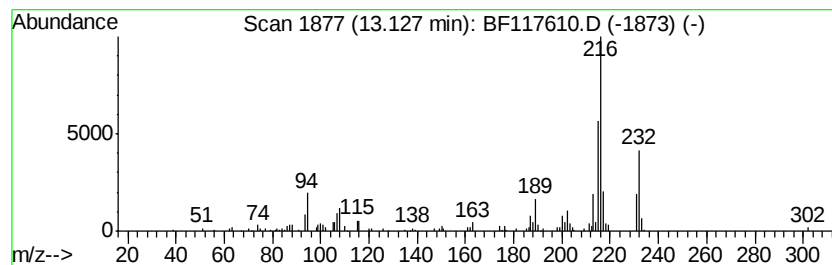
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	4.28 ng	167278	Chrysene-d12	13.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3			Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
4			11H-Benzo[alfluorene	216	C17H12	000238-84-6	60
5			Pyrene, 4-methyl-	216	C17H12	003353-12-6	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117610.D
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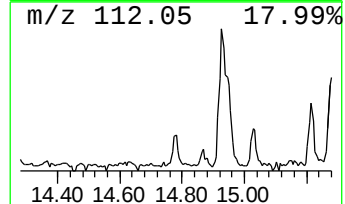
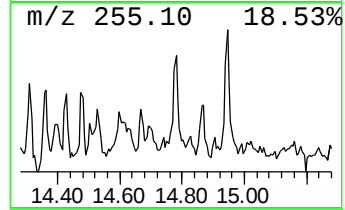
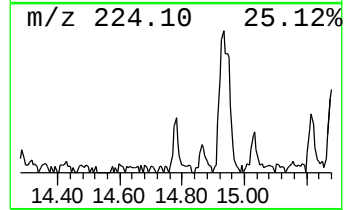
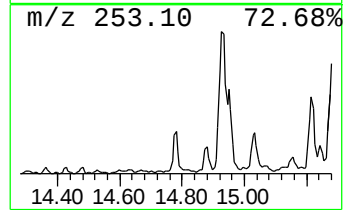
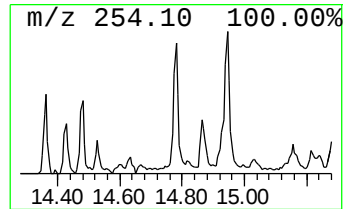
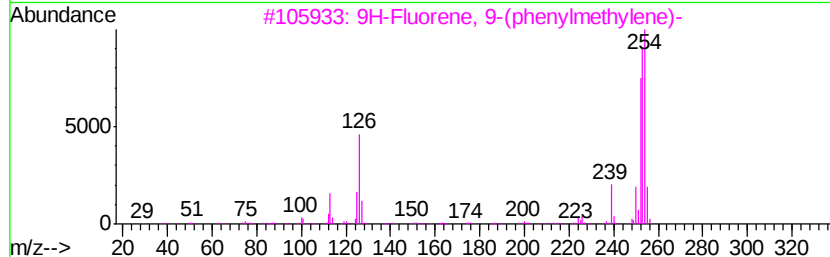
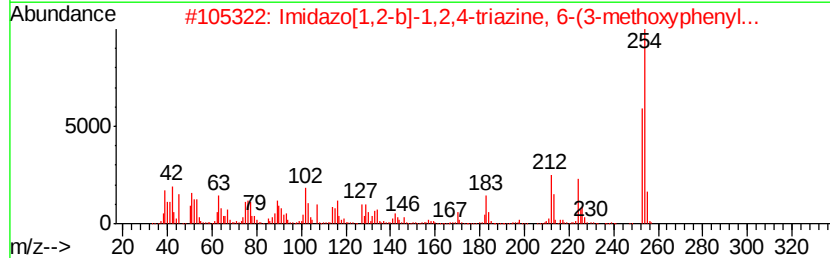
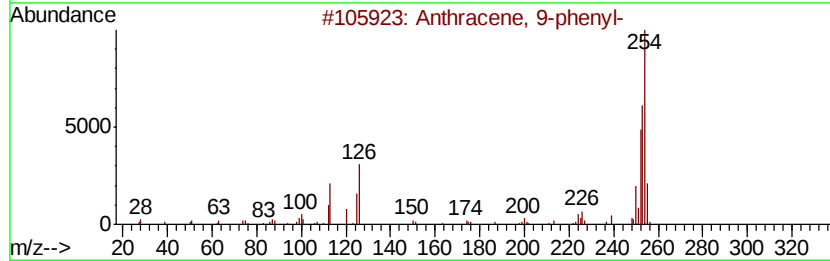
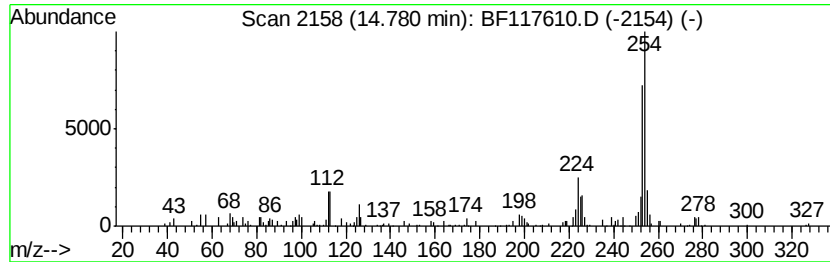
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthracene, 9-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	10.24 ng	68067	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
2		Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	64
3		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	59
4		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	59
5		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117610.D
Acq On : 30 Oct 2019 00:46
Operator : JU
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Misc :
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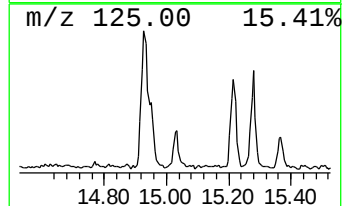
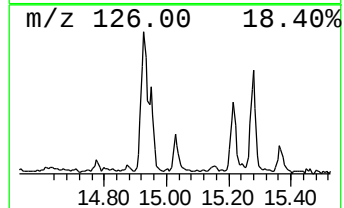
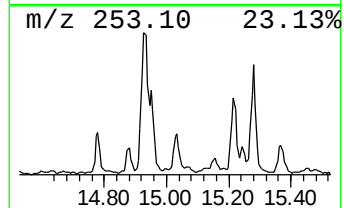
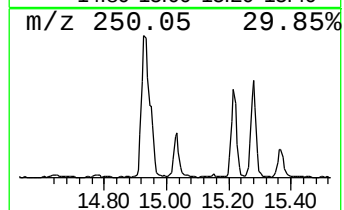
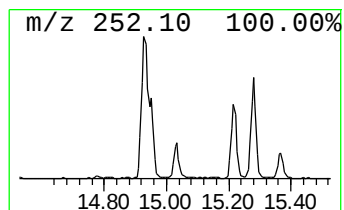
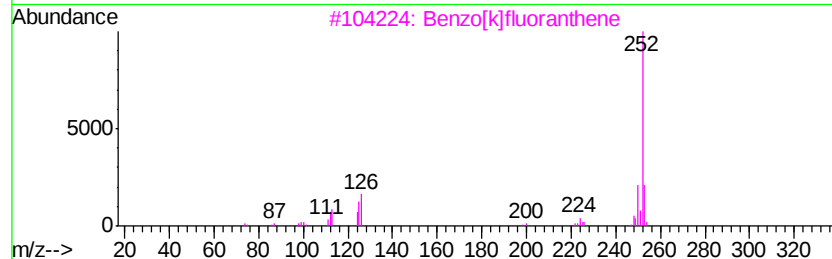
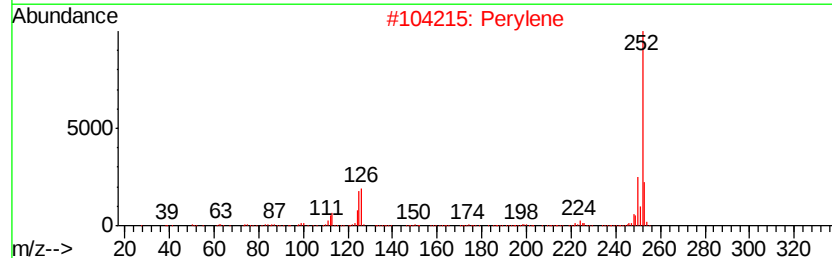
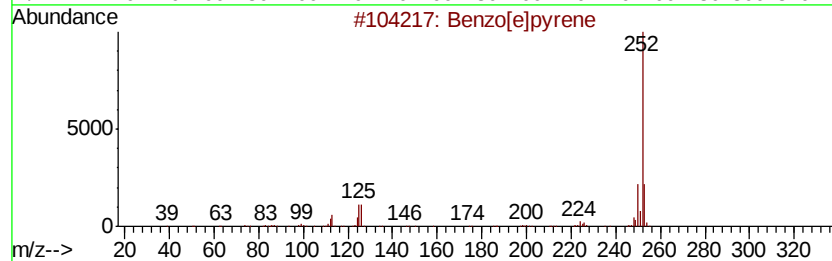
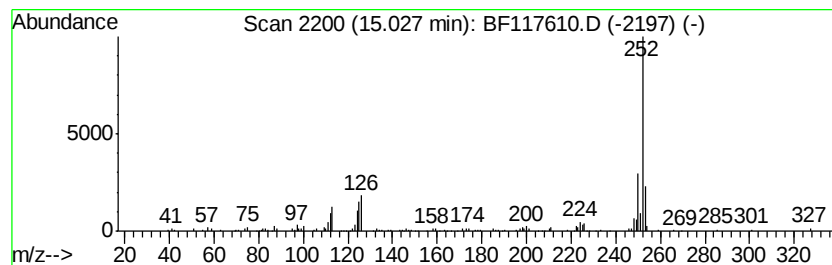
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	17.43 ng	115916	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Perylene	252	C20H12	000198-55-0	94
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117610.D
Acq On : 30 Oct 2019 00:46
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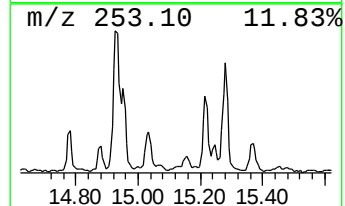
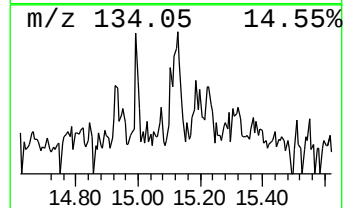
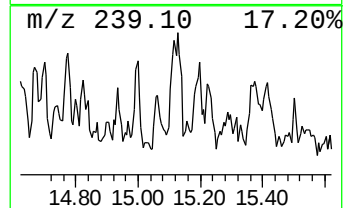
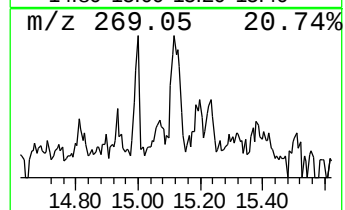
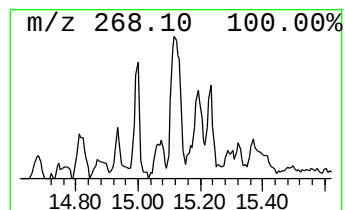
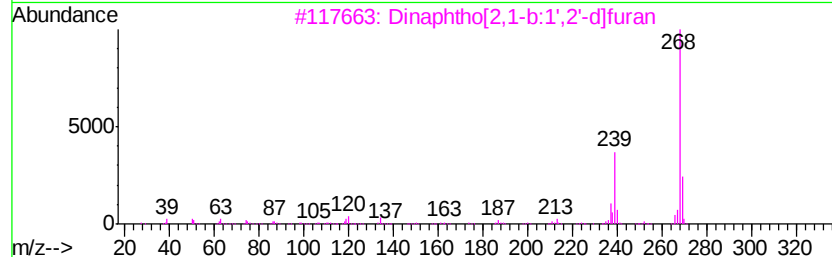
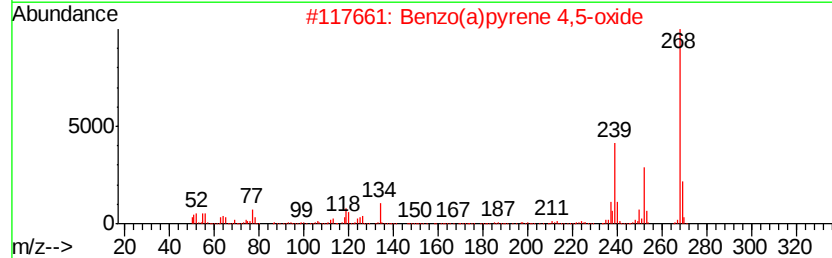
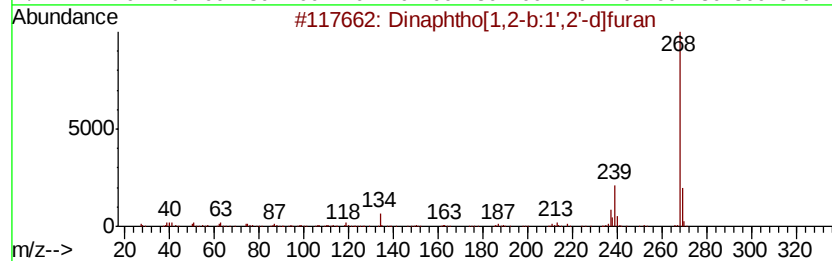
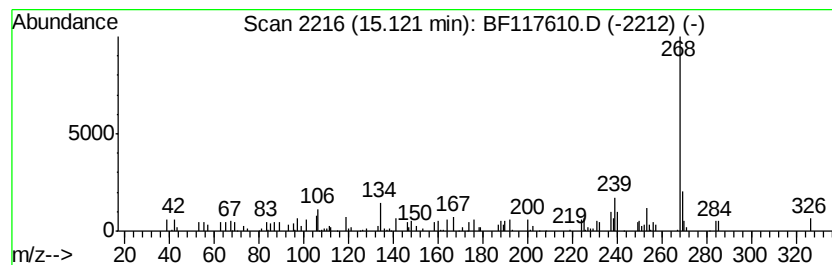
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	7.41 ng	49267	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	70
2		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	68
3		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
4		1H-Benz[e]indole-1,2(3H)-dione, ...	268	C15H12N2O3	1000349-80-8	49
5		Benzene, 1,1'-(1-ethyl-1,2-ethen...	268	C18H20O2	025346-90-1	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117610.D
Acq On : 30 Oct 2019 00:46
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Misc :
ALS Vial : 31 Sample Multiplier: 1

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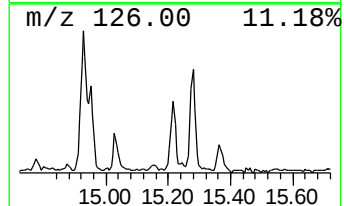
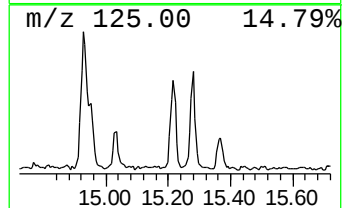
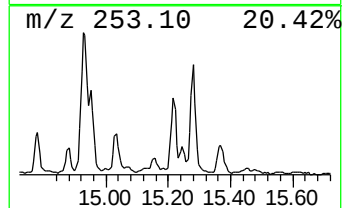
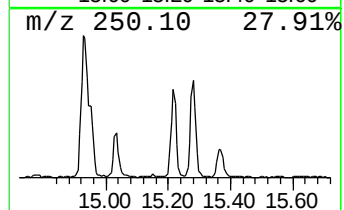
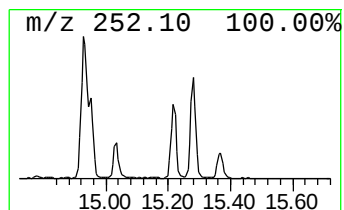
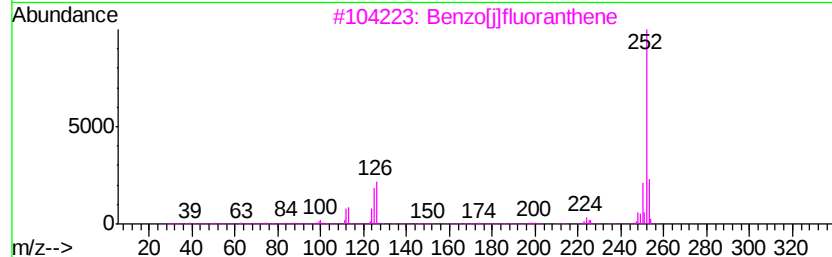
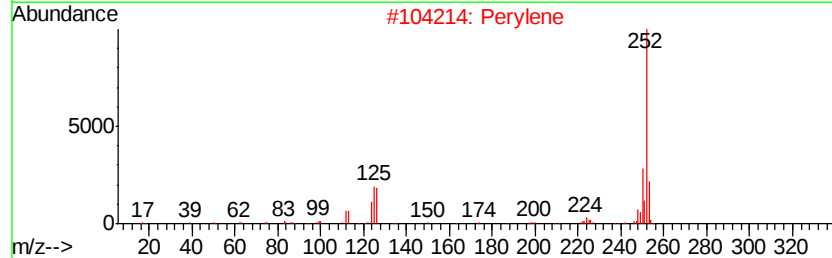
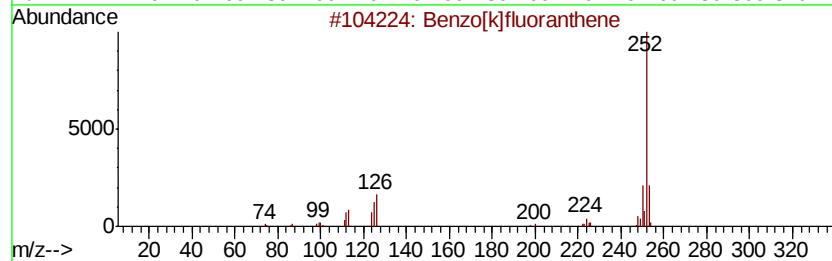
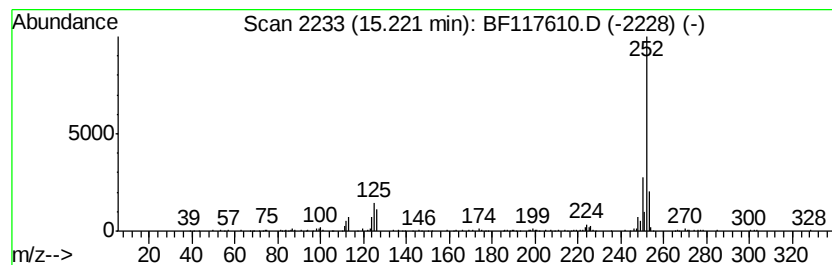
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	38.65 ng	256988	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	99
2		Perylene	252	C20H12	000198-55-0	99
3		Benzo[i]fluoranthene	252	C20H12	000205-82-3	98
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	98
5		Benzo[e]pyrene	252	C20H12	000192-97-2	97



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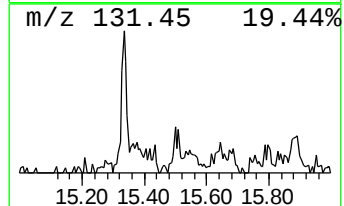
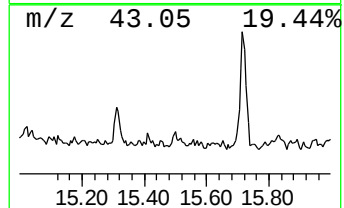
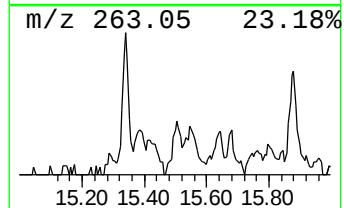
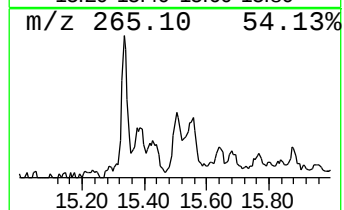
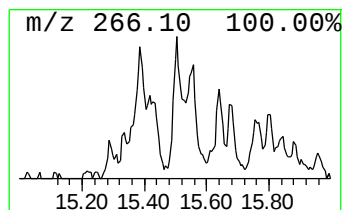
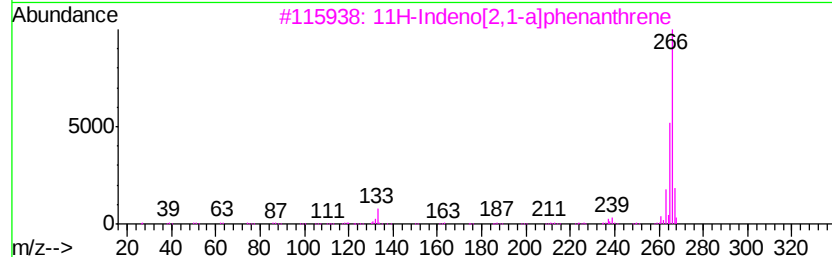
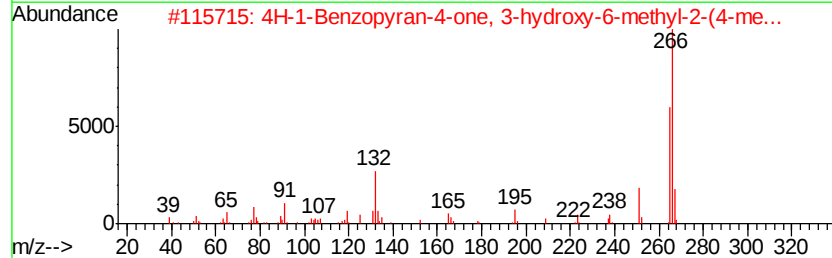
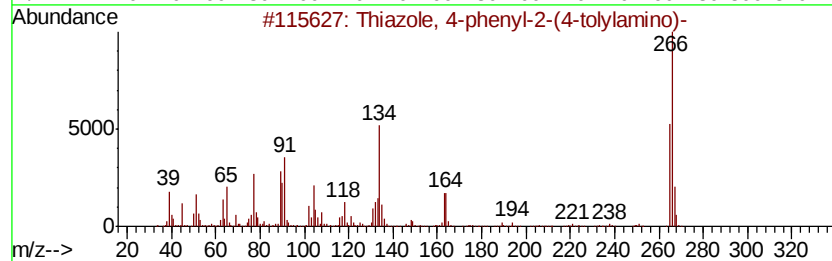
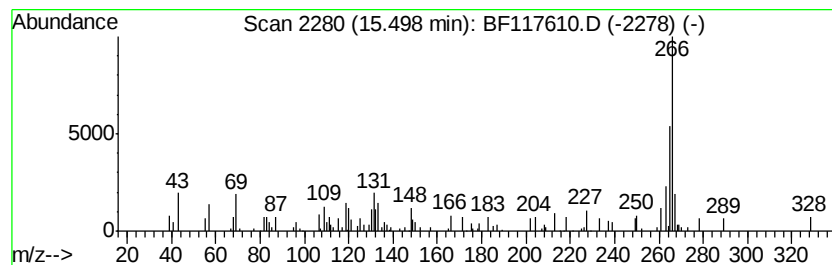
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Thiazole, 4-phenyl-2-(4-tol... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.50	4.21 ng	27995	Perylene-d12	15.33		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	58
2		4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	58
3		11H-Indeno[2,1-alpha]phenanthrene	266	C21H14	000220-97-3	53
4		Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	52
5		1-Phosphacyclopent-2-ene, 1,5-di...	266	C18H19P	1000162-78-2	50



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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-5

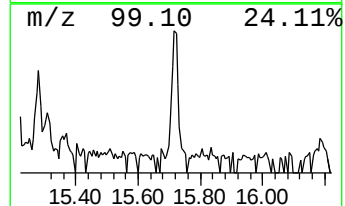
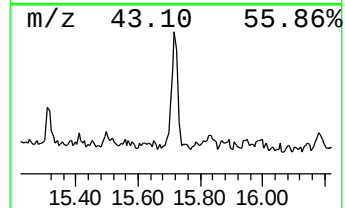
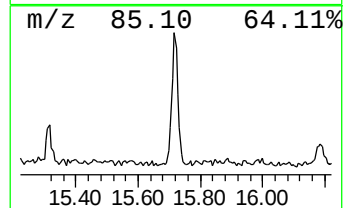
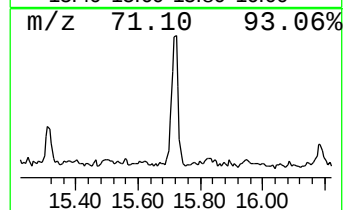
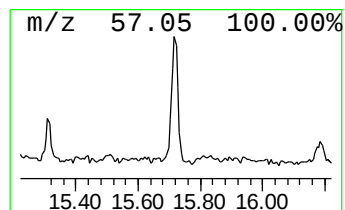
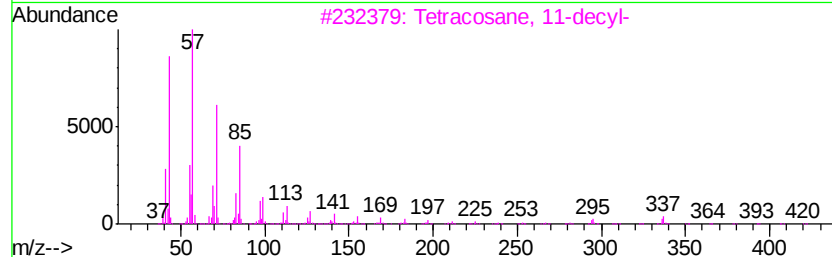
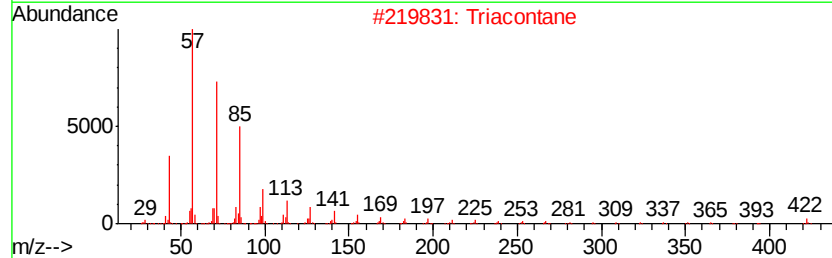
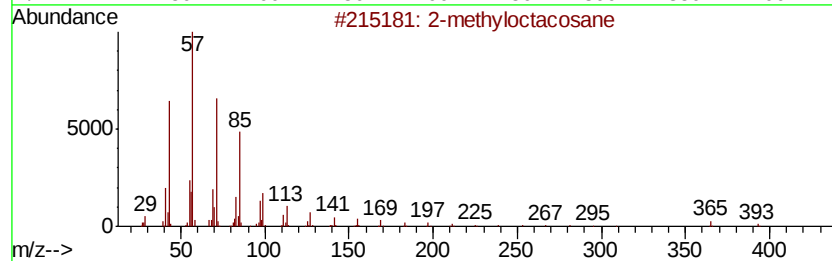
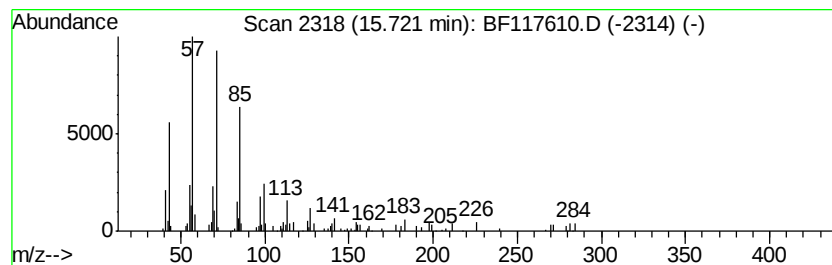
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 2-methyloctacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	14.94 ng	99320	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-methyloctacosane	408	C29H60	1000376-72-8	91
2		triacontane	422	C30H62	000638-68-6	90
3		tetracosane, 11-decyl-	479	C34H70	055429-84-0	86
4		docosane	310	C22H46	000629-97-0	80
5		dodecane, 3-methyl-	184	C13H28	017312-57-1	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117610.D
Acq On : 30 Oct 2019 00:46
Operator : JU
Sample : K5576-16 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-5

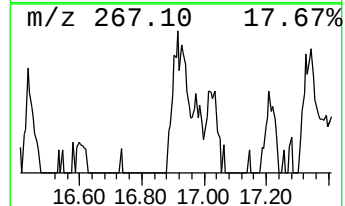
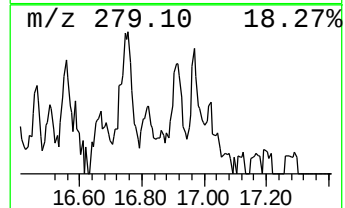
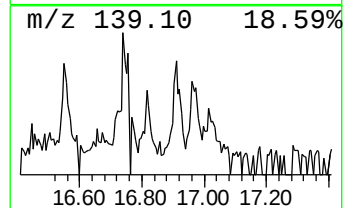
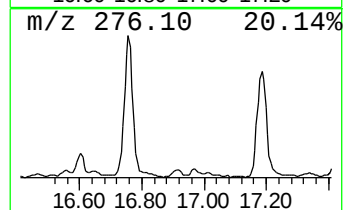
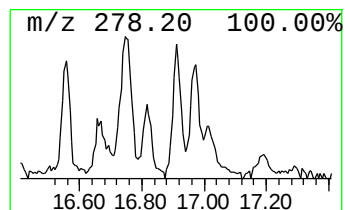
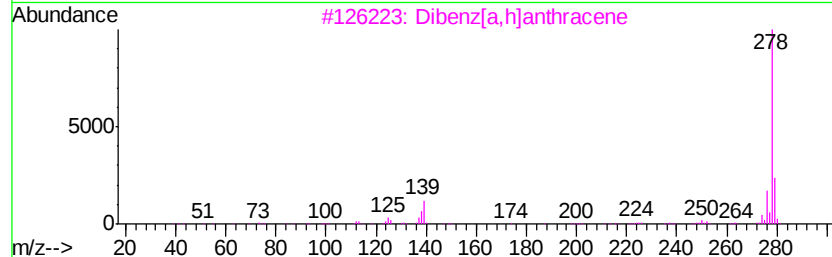
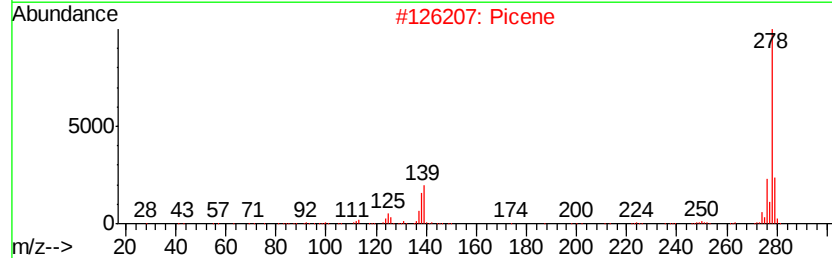
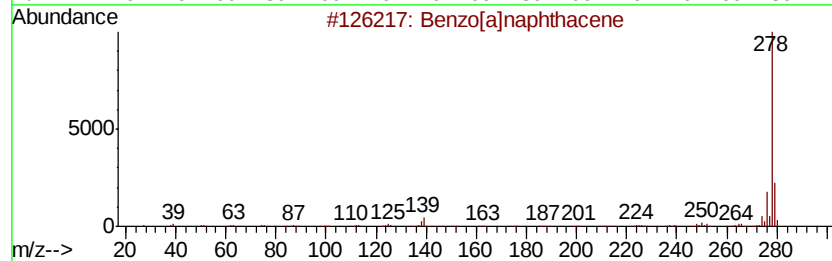
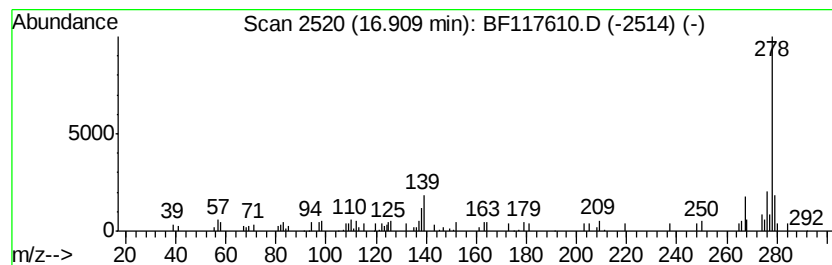
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	9.76 ng	64878	Perylene-d12	15.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[a]naphthacene	278	C22H14	000226-88-0	93
2			Picene	278	C22H14	000213-46-7	92
3			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
4			Pentacene	278	C22H14	000135-48-8	70
5			Benzo[b]chrysene	278	C22H14	000214-17-5	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117610.D
Acq On : 30 Oct 2019 00:46
Operator : JU
Sample : K5576-16 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-5

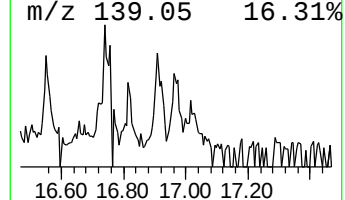
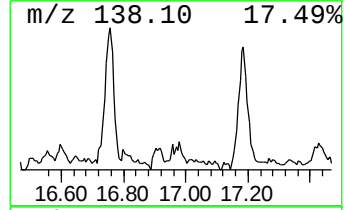
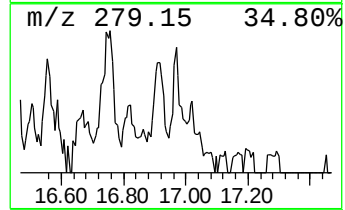
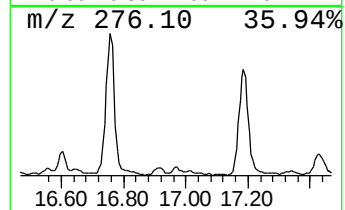
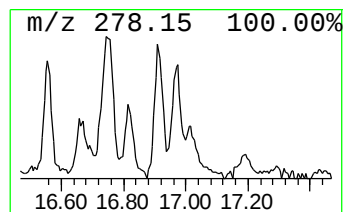
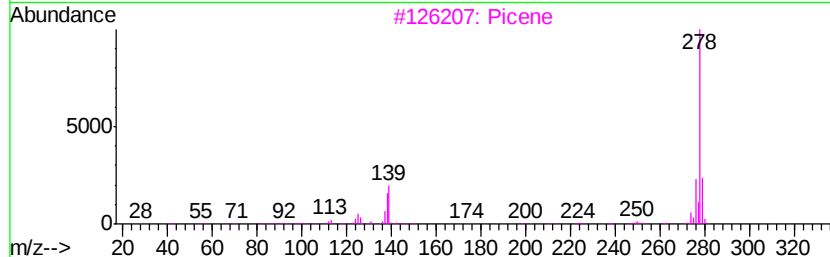
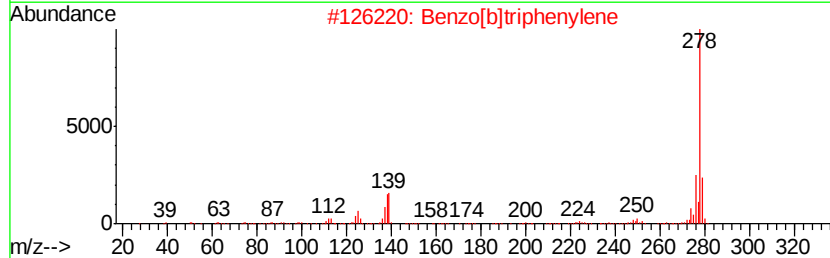
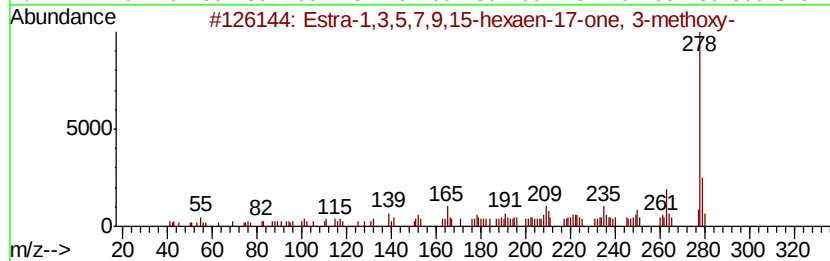
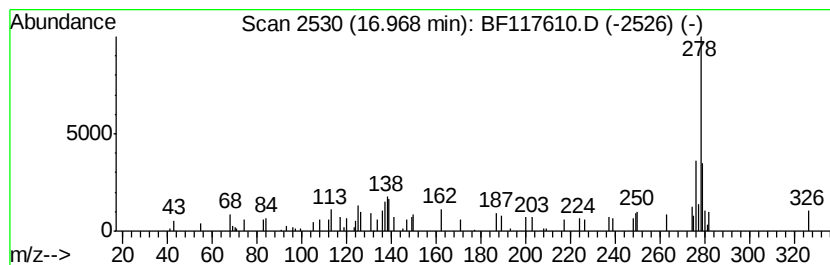
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Estra-1,3,5,7,9,15-hexaen-1... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	7.12 ng	47364	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Estra-1,3,5,7,9,15-hexaen-17-one...	278	C19H18O2	056588-53-5	62
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	60
3		Picene	278	C22H14	000213-46-7	60
4		11H-Dibenzo[c,f][1,2]diazepine, ...	278	C13H8Cl2N2O	000958-71-4	53
5		Pyridine-3-carbonitrile, 2-oxo-4...	278	C16H10N2OS	1000304-72-3	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102919\
 Data File : BF117610.D
 Acq On : 30 Oct 2019 00:46
 Operator : JU
 Sample : K5576-16 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-1-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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
unknown6.51	6.51	14.3	ng	139242	1	6.73	194447	20.0
Anthracene, 2-met...	11.75	4.0	ng	49128	4	11.25	246604	20.0
Anthracene, 1-met...	11.78	7.8	ng	96594	4	11.25	246604	20.0
4H-Cyclopenta[def...	11.86	9.8	ng	121287	4	11.25	246604	20.0
Naphthalene, 2-ph...	12.05	4.5	ng	54933	4	11.25	246604	20.0
9,10-Anthracenedione	12.09	4.1	ng	50901	4	11.25	246604	20.0
9,10-Dimethylanthe...	12.30	6.7	ng	83158	4	11.25	246604	20.0
unknown12.34	12.34	4.7	ng	58081	4	11.25	246604	20.0
Cyclopenta(def)ph...	12.40	6.7	ng	82133	4	11.25	246604	20.0
Benzene, 1,1'-(1,...	12.56	8.2	ng	100973	4	11.25	246604	20.0
Fluoranthene, 2-m...	13.13	4.3	ng	167278	5	13.90	782143	20.0
Anthracene, 9-phe...	14.78	10.2	ng	68067	6	15.33	132978	20.0
Benzo[e]pyrene	15.03	17.4	ng	115916	6	15.33	132978	20.0
Dinaphtho[1,2-b:1...	15.12	7.4	ng	49267	6	15.33	132978	20.0
Perylene	15.22	38.6	ng	256988	6	15.33	132978	20.0
Thiazole, 4-pheny...	15.50	4.2	ng	27995	6	15.33	132978	20.0
2-methyloctacosane	15.72	14.9	ng	99320	6	15.33	132978	20.0
Picene	16.91	9.8	ng	64878	6	15.33	132978	20.0
Estra-1,3,5,7,9,1...	16.97	7.1	ng	47364	6	15.33	132978	20.0