

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071919\
 Data File : BF115681.D
 Acq On : 19 Jul 2019 19:34
 Operator : HP/JU
 Sample : K3887-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOC-7(4)

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-BF071219.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	2.222	16	23	30	rVB	648106	861438	10.55%	0.716%
2	5.510	577	582	585	rBV	3925870	4177405	51.14%	3.472%
3	6.516	747	753	756	rBV	3797532	4542385	55.61%	3.775%
4	6.657	771	777	780	rBV	4235500	4554325	55.75%	3.785%
5	6.881	811	815	819	rBV	1622776	1305746	15.99%	1.085%
6	7.039	837	842	845	rBV	3814869	3603397	44.11%	2.995%
7	7.445	904	911	914	rBV	2612252	3039119	37.21%	2.526%
8	8.163	1028	1033	1035	rBV	1908194	1708397	20.91%	1.420%
9	8.186	1035	1037	1040	rVB	448450	363993	4.46%	0.303%
10	8.875	1148	1154	1160	rBV	353880	300848	3.68%	0.250%
11	9.239	1210	1216	1219	rBV	5127557	4946386	60.55%	4.111%
12	9.575	1269	1273	1276	rVV	235618	241444	2.96%	0.201%
13	9.627	1279	1282	1290	rVV2	797464	939042	11.50%	0.780%
14	9.780	1304	1308	1311	rBV	1715431	1451054	17.76%	1.206%
15	9.922	1325	1332	1335	rBV	1930252	1931859	23.65%	1.606%
16	10.233	1380	1385	1388	rBV2	272635	371606	4.55%	0.309%
17	10.369	1406	1408	1411	rBV	308493	239453	2.93%	0.199%
18	10.474	1422	1426	1431	rVB3	277287	441494	5.40%	0.367%
19	10.710	1460	1466	1469	rBV	3052773	2960421	36.24%	2.460%
20	10.833	1483	1487	1492	rBV2	257076	276515	3.39%	0.230%
21	11.016	1514	1518	1521	rVV4	313093	478596	5.86%	0.398%
22	11.098	1529	1532	1535	rVV	246715	249480	3.05%	0.207%
23	11.145	1535	1540	1541	rVV2	180762	235464	2.88%	0.196%
24	11.163	1541	1543	1548	rVV	313009	404210	4.95%	0.336%
25	11.210	1548	1551	1555	rVV2	274805	332952	4.08%	0.277%
26	11.251	1555	1558	1564	rVV2	123619	242463	2.97%	0.202%
27	11.298	1564	1566	1572	rVB	267271	281605	3.45%	0.234%
28	11.404	1580	1584	1586	rBV	1798231	1608052	19.69%	1.336%
29	11.433	1586	1589	1594	rVV	2412188	2215430	27.12%	1.841%
30	11.480	1594	1597	1599	rVV	957531	739504	9.05%	0.615%
31	11.510	1599	1602	1606	rVB2	209570	240291	2.94%	0.200%
32	11.698	1631	1634	1637	rVB	495958	413714	5.06%	0.344%
33	11.733	1637	1640	1643	rBV	658208	607919	7.44%	0.505%
34	11.821	1652	1655	1658	rVB	380334	410109	5.02%	0.341%

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

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Max Peaks: 100

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

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.863	1658	1662	1664	rBV	297155	277034	3.39%	0.230%
36	11.910	1666	1670	1672	rBV	1669957	1538397	18.83%	1.279%
37	11.939	1672	1675	1678	rVV	2286140	2085223	25.53%	1.733%
38	11.986	1680	1683	1685	rVB	305807	269834	3.30%	0.224%
39	12.021	1685	1689	1691	rBV2	3099119	3203149	39.21%	2.662%
40	12.045	1691	1693	1696	rVB	1459615	1129967	13.83%	0.939%
41	12.092	1698	1701	1703	rBV2	230360	222065	2.72%	0.185%
42	12.139	1707	1709	1712	rBV	267866	215460	2.64%	0.179%
43	12.204	1717	1720	1722	rVV	587943	564137	6.91%	0.469%
44	12.227	1722	1724	1731	rVB3	651236	747224	9.15%	0.621%
45	12.304	1731	1737	1740	rBV4	141540	277535	3.40%	0.231%
46	12.351	1740	1745	1748	rBV2	388441	562662	6.89%	0.468%
47	12.380	1748	1750	1753	rVV	417146	375000	4.59%	0.312%
48	12.410	1753	1755	1757	rVB2	347004	276168	3.38%	0.230%
49	12.463	1757	1764	1766	rBV	1128503	1401898	17.16%	1.165%
50	12.498	1766	1770	1772	rVV2	641332	823663	10.08%	0.685%
51	12.515	1772	1773	1775	rVB	398097	227023	2.78%	0.189%
52	12.545	1775	1778	1783	rBV	1344478	1523222	18.65%	1.266%
53	12.627	1787	1792	1795	rVB	5093192	6060932	74.20%	5.037%
54	12.668	1795	1799	1801	rBV	376200	407073	4.98%	0.338%
55	12.715	1804	1807	1811	rVB	1844087	1602094	19.61%	1.332%
56	12.757	1811	1814	1815	rBV2	407744	374813	4.59%	0.312%
57	12.774	1815	1817	1818	rVV	427825	349250	4.28%	0.290%
58	12.792	1818	1820	1826	rVB	590132	572009	7.00%	0.475%
59	12.863	1826	1832	1835	rBV	5838015	8168554	100.00%	6.789%
60	12.904	1835	1839	1843	rVB3	241889	354296	4.34%	0.294%
61	12.992	1850	1854	1862	rVB	3976206	3902412	47.77%	3.243%
62	13.068	1863	1867	1874	rBV2	1068195	1559937	19.10%	1.296%
63	13.157	1878	1882	1883	rBV2	939673	974391	11.93%	0.810%
64	13.180	1883	1886	1889	rVB	1310570	1400506	17.15%	1.164%
65	13.221	1889	1893	1895	rBV4	207316	249388	3.05%	0.207%
66	13.245	1895	1897	1900	rVB	548949	422353	5.17%	0.351%
67	13.286	1900	1904	1906	rBV	1458481	1228913	15.04%	1.021%
68	13.374	1916	1919	1922	rVV	1019181	966382	11.83%	0.803%
69	13.404	1922	1924	1928	rVB	1092364	980993	12.01%	0.815%
70	13.580	1951	1954	1956	rVV3	170012	226406	2.77%	0.188%
71	13.686	1968	1972	1976	rVB	848219	900217	11.02%	0.748%

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ClientSampleId :
AOC-7(4)

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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72	13.792	1984	1990	1993	rBV2	970068	1206595	14.77%	1.003%
73	13.821	1993	1995	1998	rVV	954149	945907	11.58%	0.786%
74	13.851	1998	2000	2002	rVV	717744	591969	7.25%	0.492%
75	13.892	2002	2007	2010	rVV2	805321	913117	11.18%	0.759%
76	13.962	2017	2019	2027	rVB	322192	427546	5.23%	0.355%
77	14.045	2027	2033	2036	rBV2	3377405	4950486	60.60%	4.114%
78	14.080	2036	2039	2043	rVV	2775907	2826693	34.60%	2.349%
79	14.192	2052	2058	2068	rVB	1229298	1615438	19.78%	1.343%
80	14.304	2074	2077	2079	rVB	254173	225647	2.76%	0.188%
81	14.398	2090	2093	2095	rBV	271067	264739	3.24%	0.220%
82	14.433	2095	2099	2102	rVV	858733	853687	10.45%	0.710%
83	14.468	2102	2105	2108	rVB2	553753	514500	6.30%	0.428%
84	14.515	2108	2113	2117	rBV5	372492	672586	8.23%	0.559%
85	14.557	2117	2120	2122	rVV3	449863	466079	5.71%	0.387%
86	14.580	2122	2124	2127	rVB	461837	375157	4.59%	0.312%
87	14.627	2129	2132	2136	rVB2	275375	276179	3.38%	0.230%
88	14.821	2162	2165	2167	rBV	211470	209934	2.57%	0.174%
89	14.845	2167	2169	2174	rVB2	257219	308073	3.77%	0.256%
90	14.915	2179	2181	2190	rVB3	198115	326665	4.00%	0.271%
91	14.998	2191	2195	2205	rVB5	172132	339834	4.16%	0.282%
92	15.098	2206	2212	2215	rBV2	1432642	2550610	31.22%	2.120%
93	15.198	2226	2229	2236	rVB	386919	465785	5.70%	0.387%
94	15.398	2258	2263	2269	rBV	904936	1117074	13.68%	0.928%
95	15.462	2269	2274	2279	rVV	1266190	1592777	19.50%	1.324%
96	15.521	2279	2284	2287	rVV	738164	1011036	12.38%	0.840%
97	15.551	2287	2289	2296	rVB3	308912	459587	5.63%	0.382%
98	16.656	2472	2477	2483	rBV3	152499	293071	3.59%	0.244%
99	17.003	2530	2536	2545	rVB2	402036	780375	9.55%	0.649%
100	17.450	2606	2612	2621	rVB	305950	602312	7.37%	0.501%

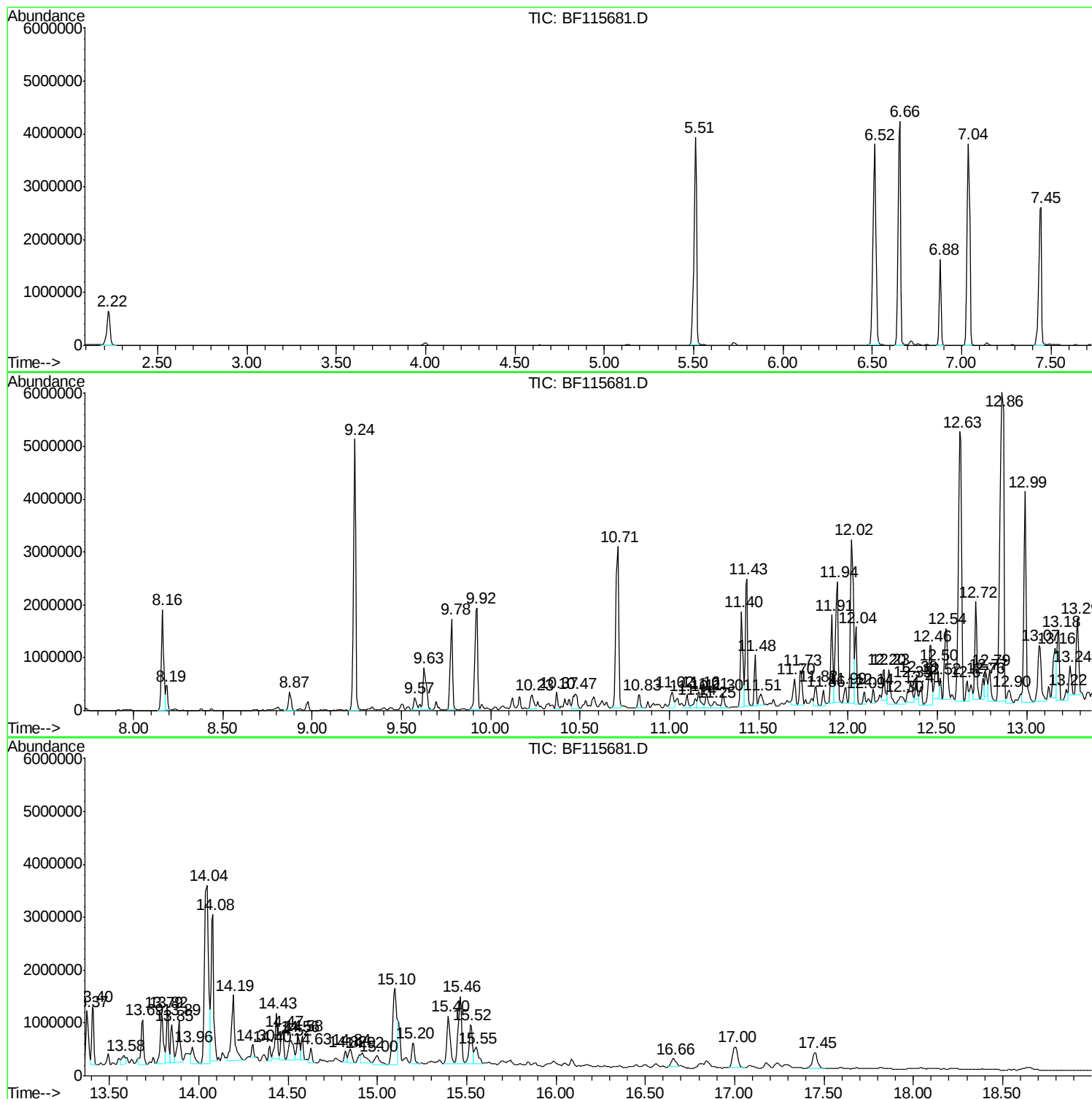
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Instrument :
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AOC-7(4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.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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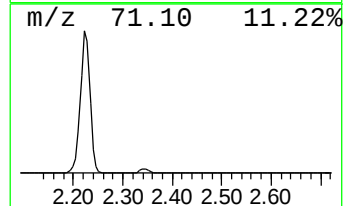
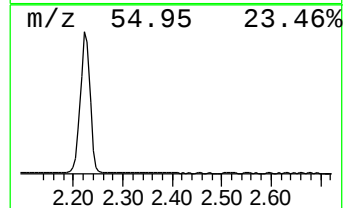
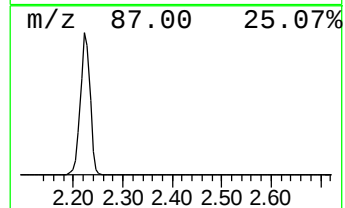
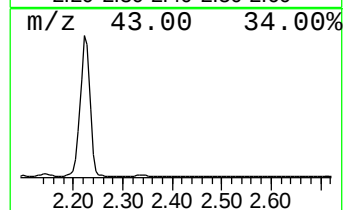
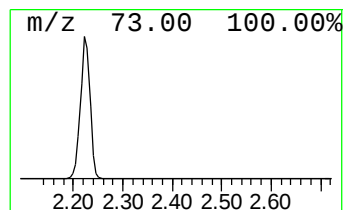
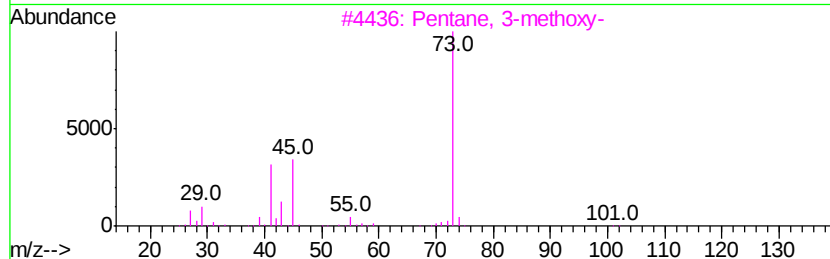
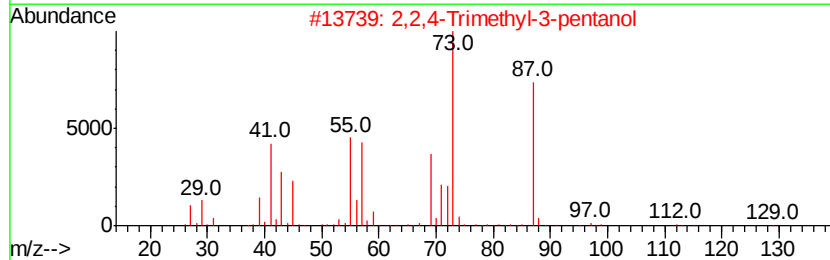
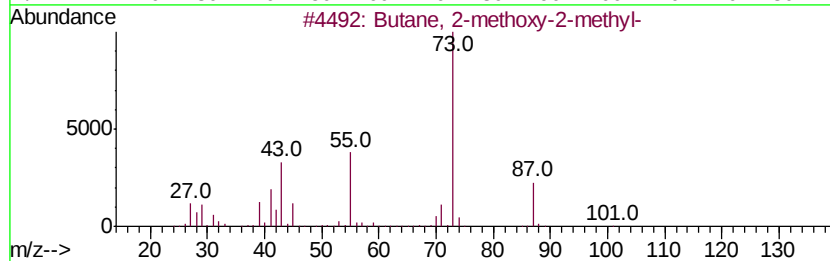
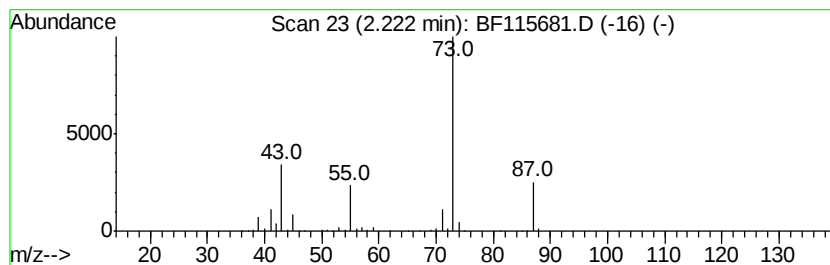
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	13.19 ng	861438	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9



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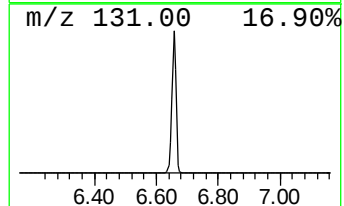
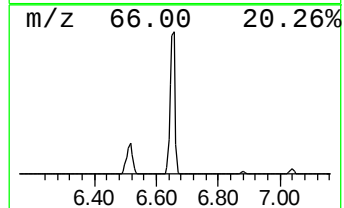
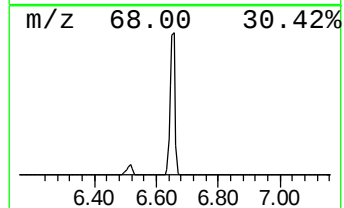
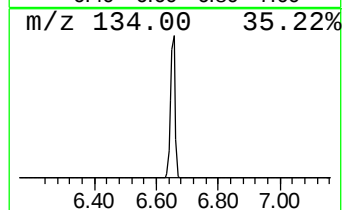
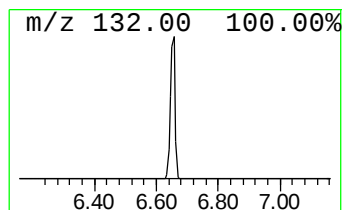
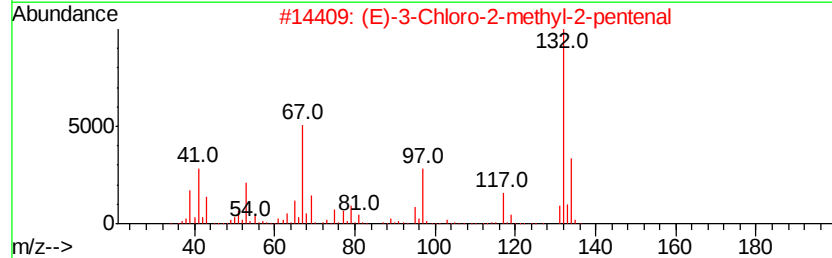
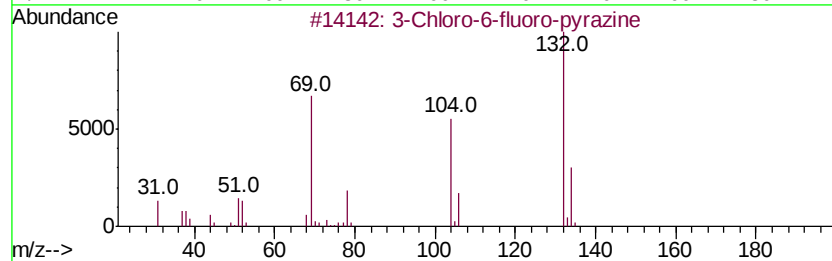
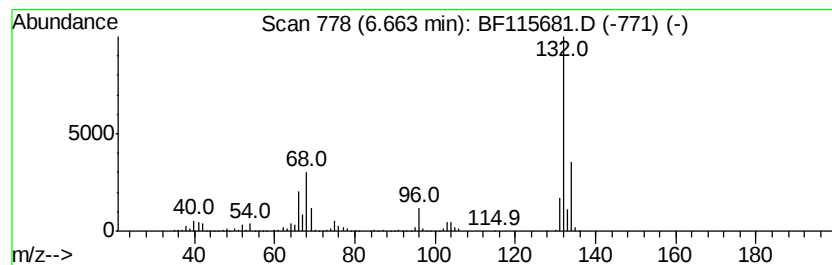
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	69.76 ng	4554330	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranvlcvpromine-propionyl	189	C12H15NO	1000123-86-3	12
4		Xenon	132	Xe	007440-63-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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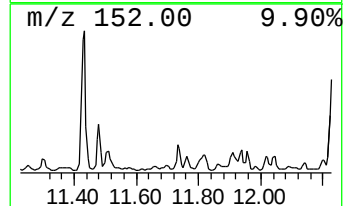
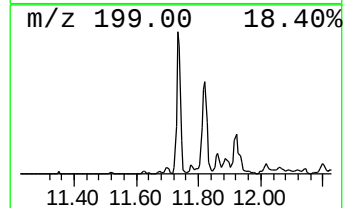
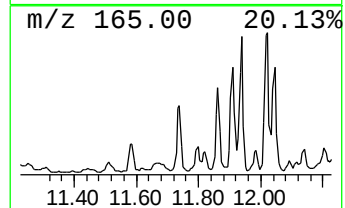
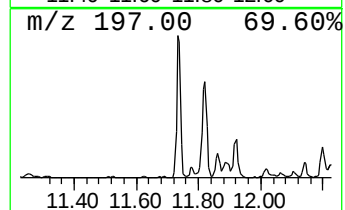
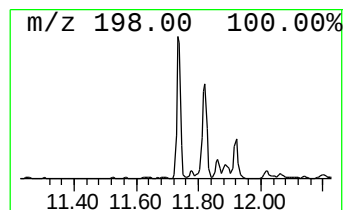
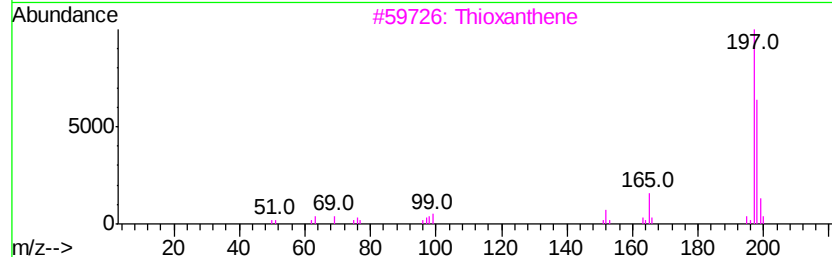
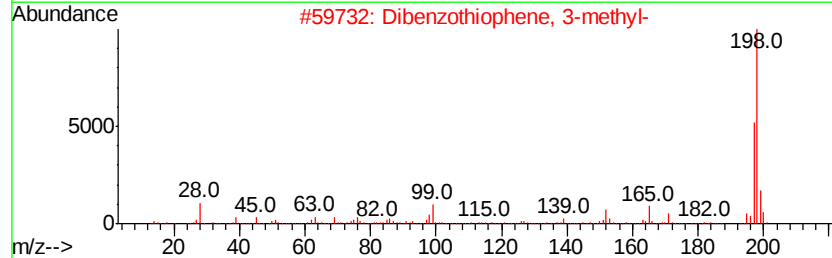
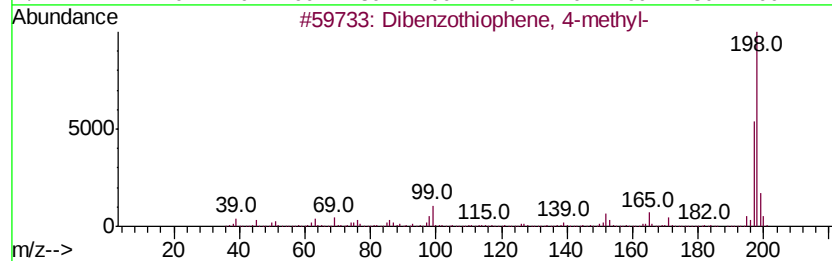
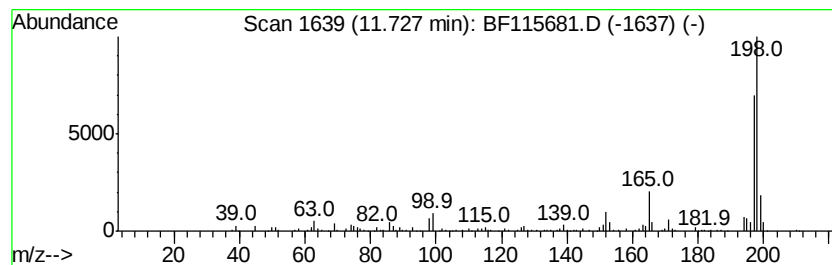
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Dibenzothiophene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	7.56 ng	607919	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
2			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
3			Thioxanthene	198	C13H10S	000261-31-4	86
4			1-Methyldibenzothiophene	198	C13H10S	031317-07-4	86
5			Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64



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Data File : BF115681.D
Acq On : 19 Jul 2019 19:34
Operator : HP/JU
Sample : K3887-07
Misc :
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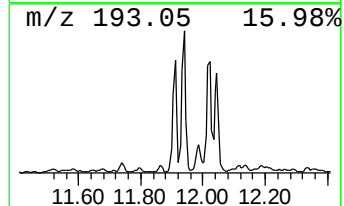
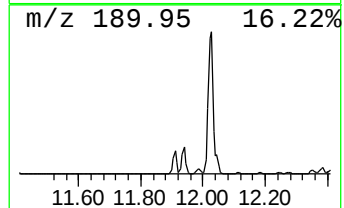
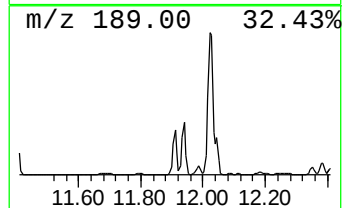
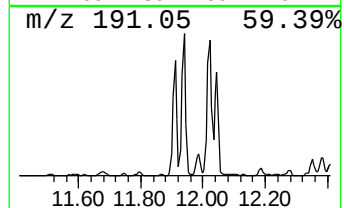
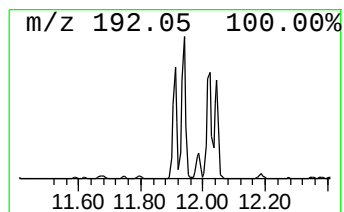
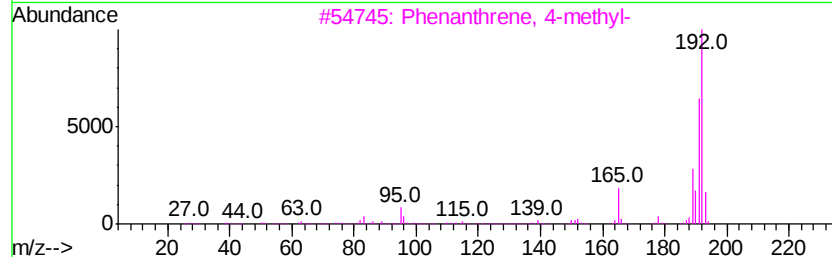
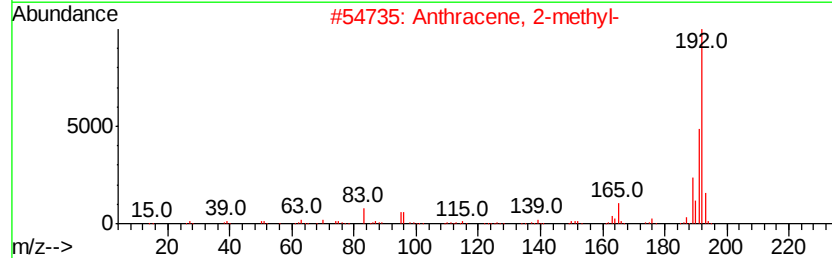
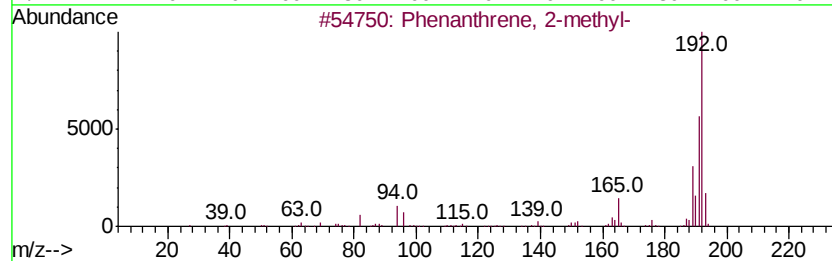
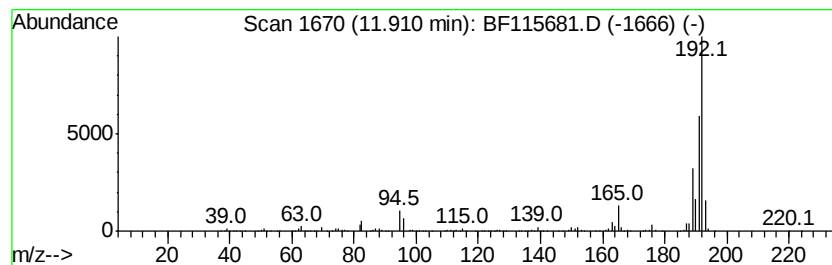
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	19.13 ng	1538400	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115681.D
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ClientSampleId :
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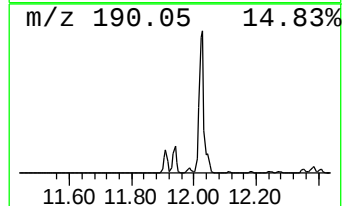
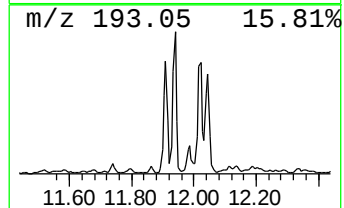
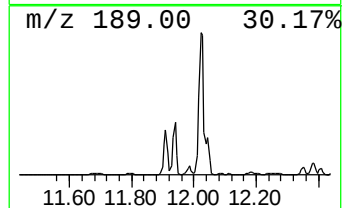
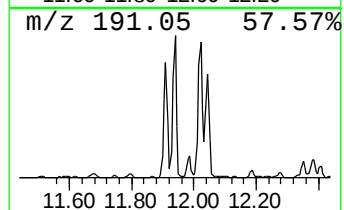
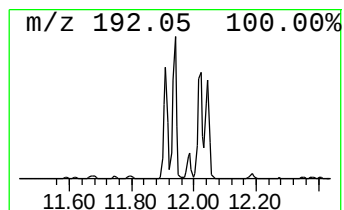
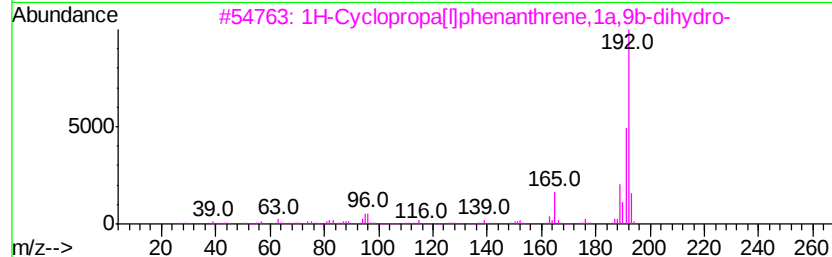
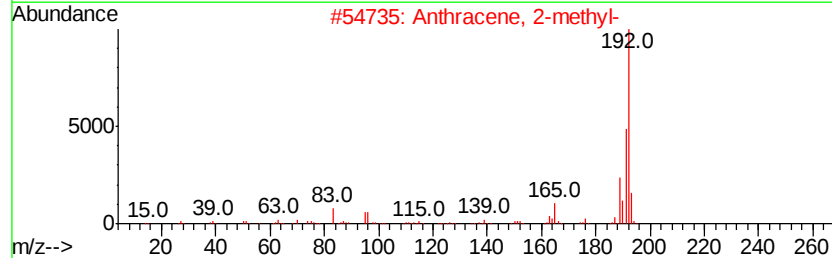
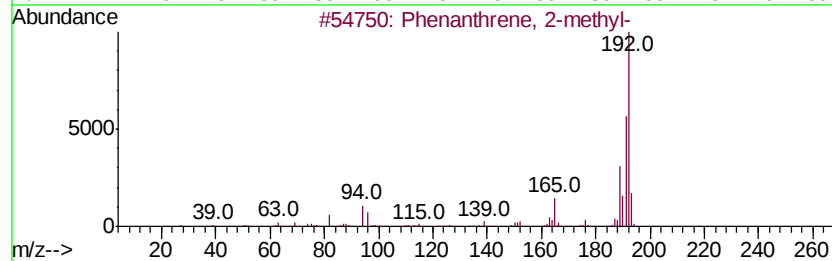
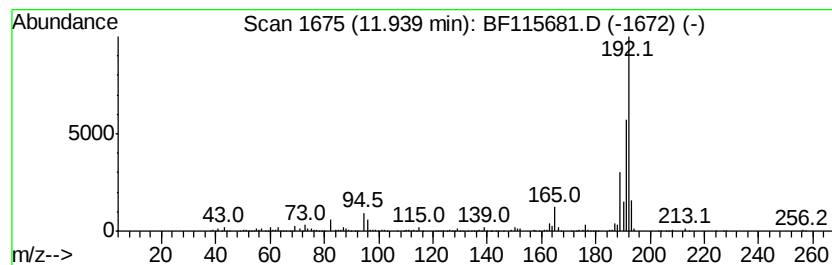
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	25.93 ng	2085220	Phenanthrene-d10	11.40

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91



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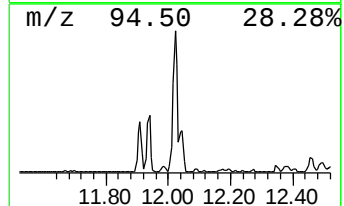
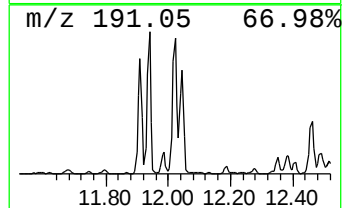
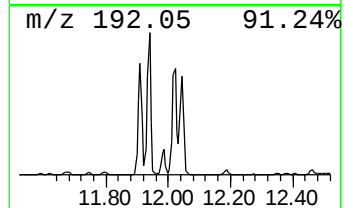
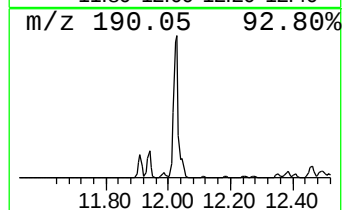
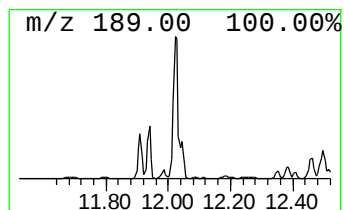
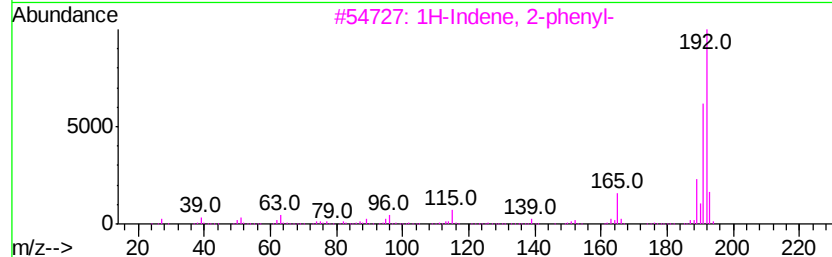
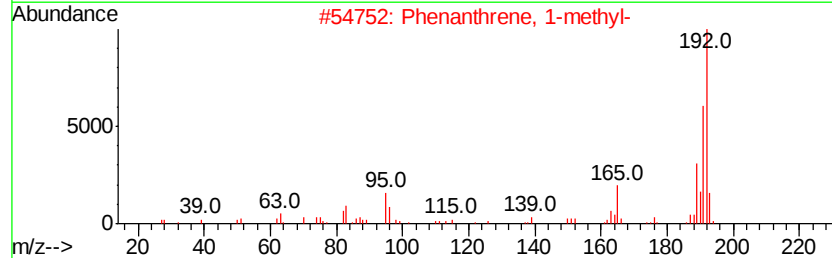
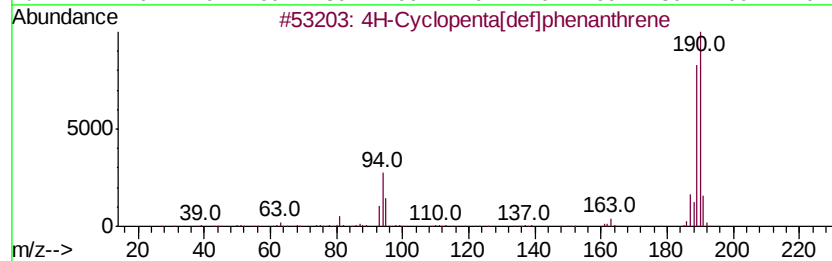
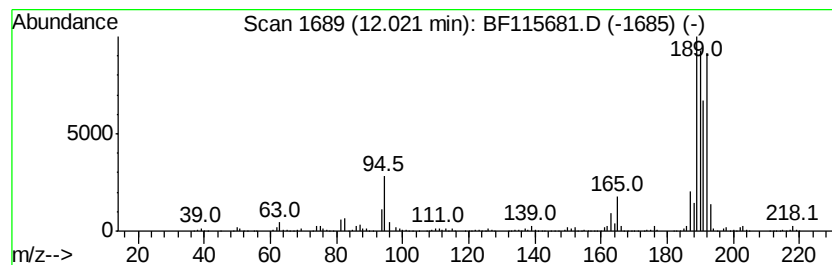
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.02	39.84 ng	3203150	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
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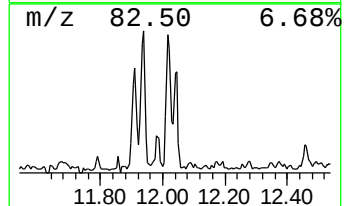
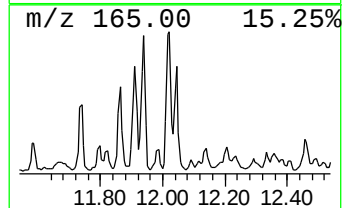
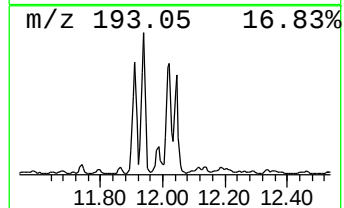
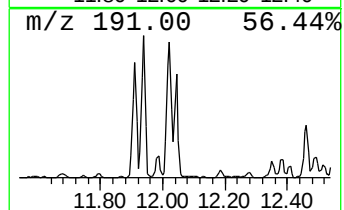
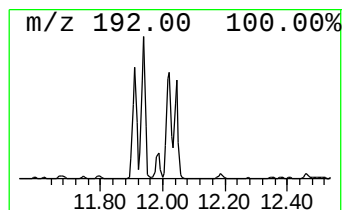
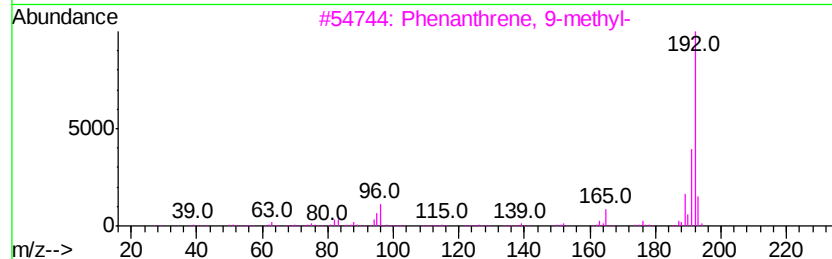
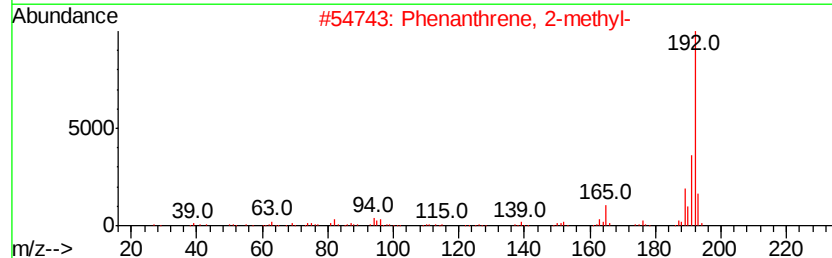
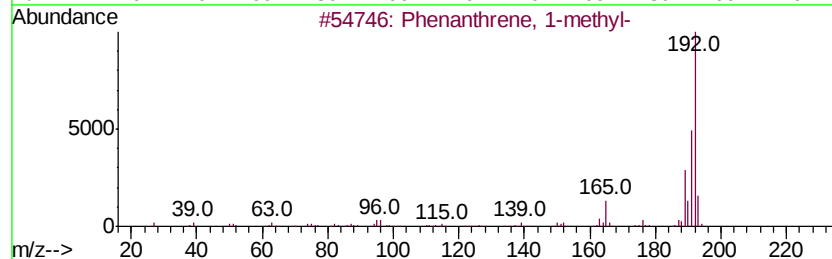
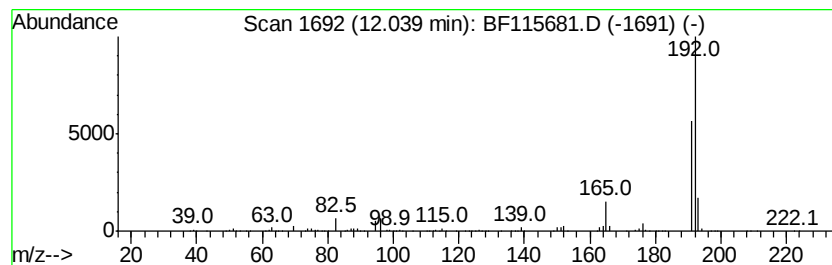
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	14.05 ng	1129970	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	91
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
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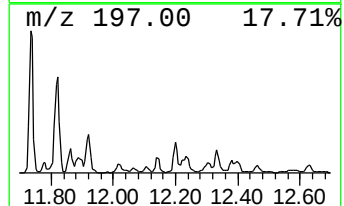
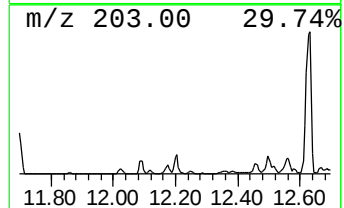
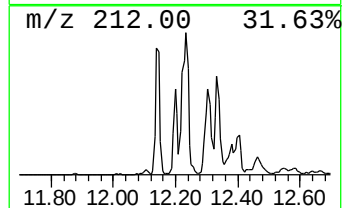
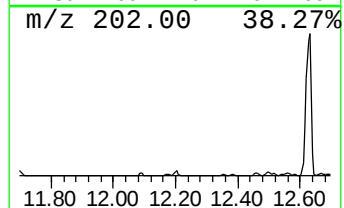
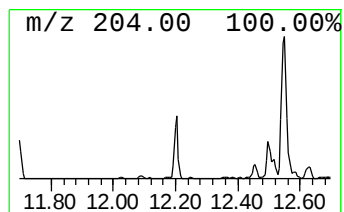
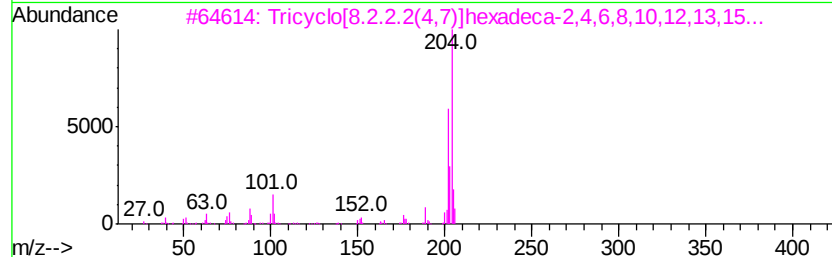
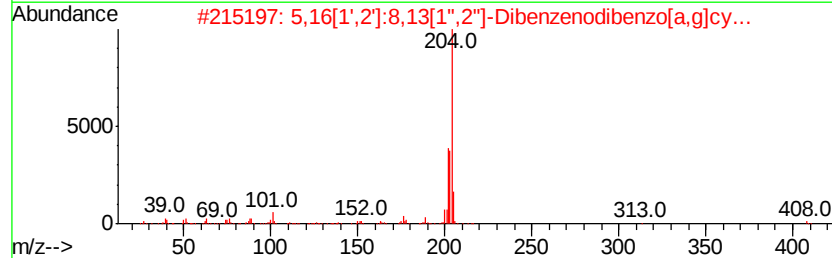
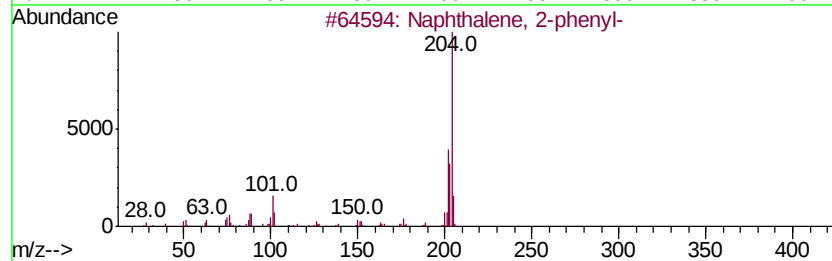
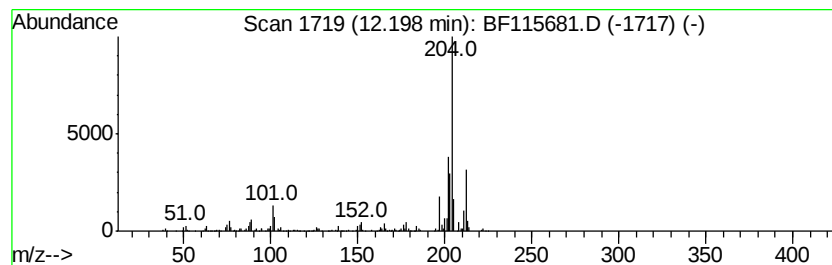
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	7.02 ng	564137	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53



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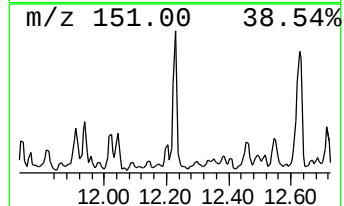
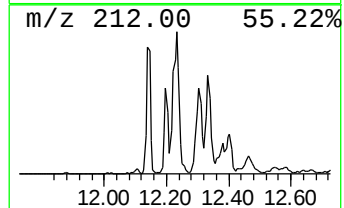
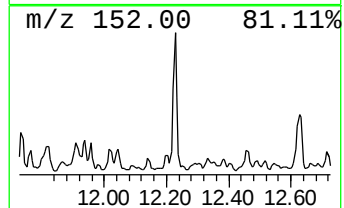
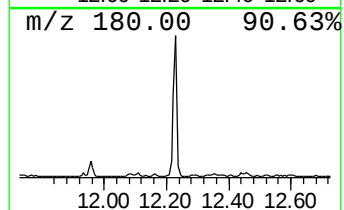
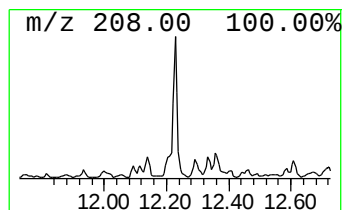
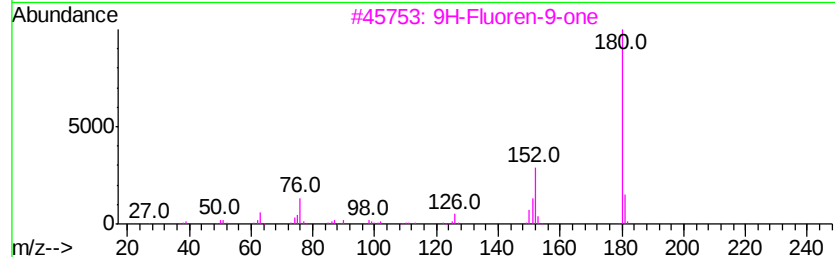
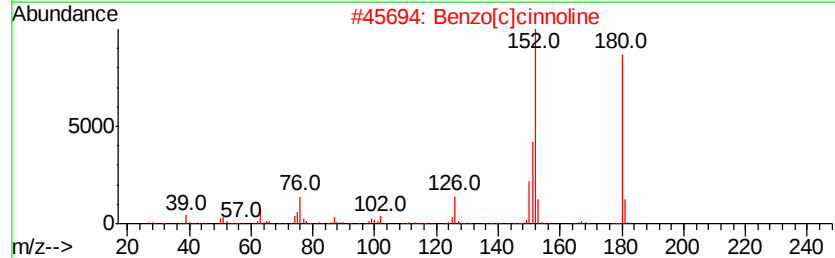
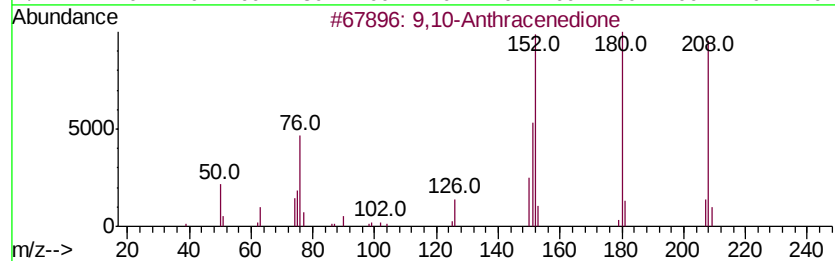
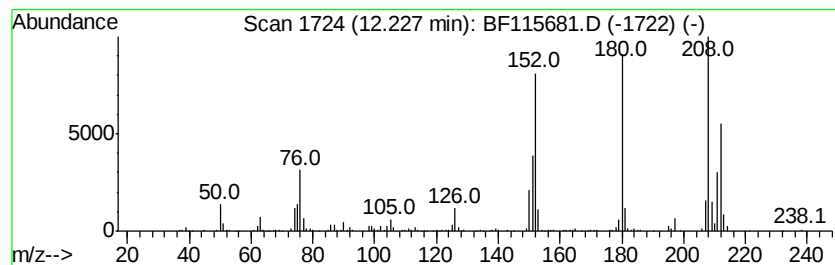
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	9.29 ng	747224	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50



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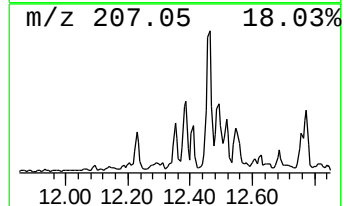
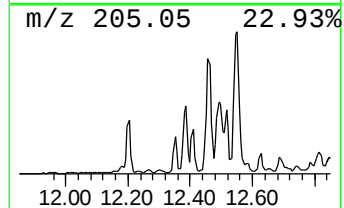
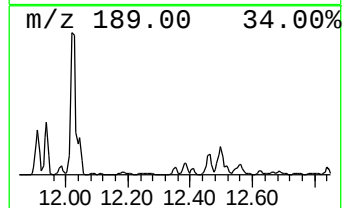
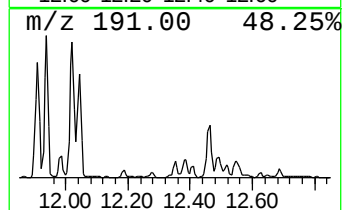
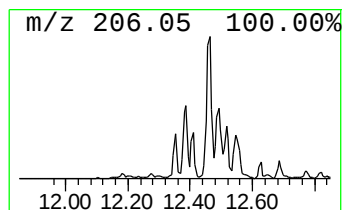
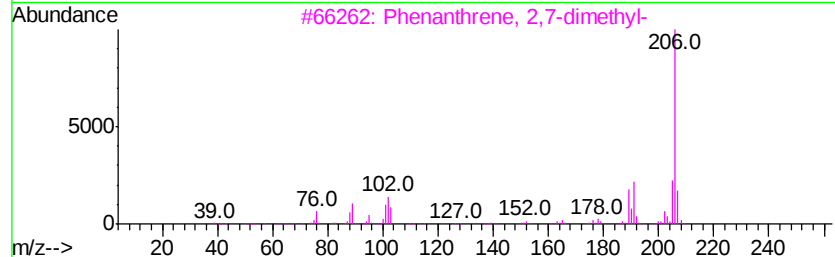
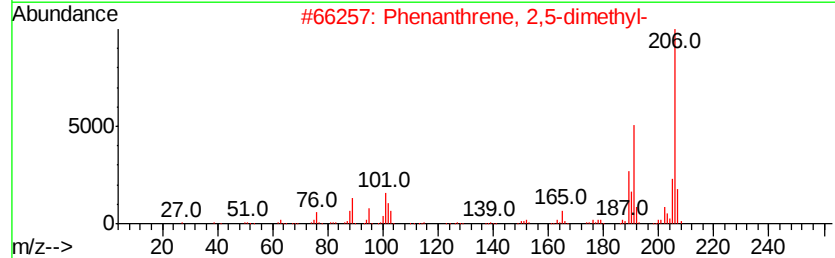
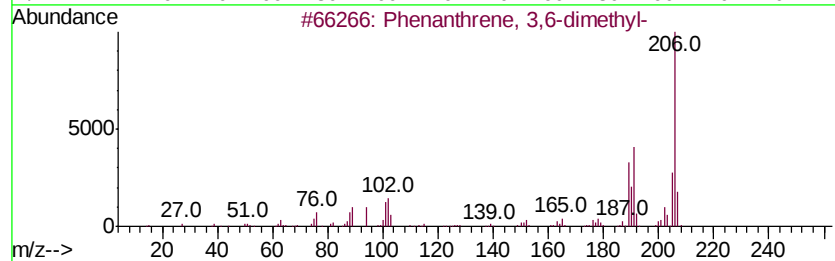
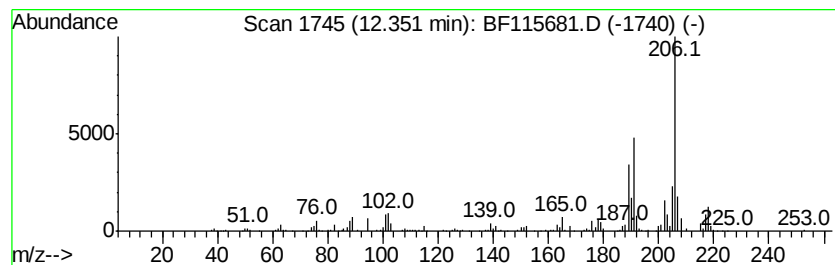
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	7.00 ng	562662	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	98
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115681.D
Acq On : 19 Jul 2019 19:34
Operator : HP/JU
Sample : K3887-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AOC-7(4)

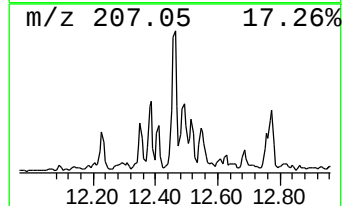
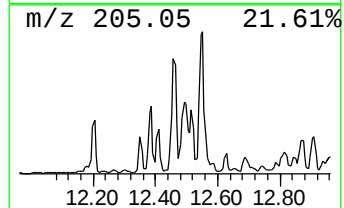
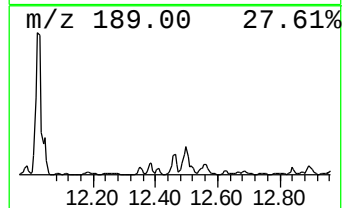
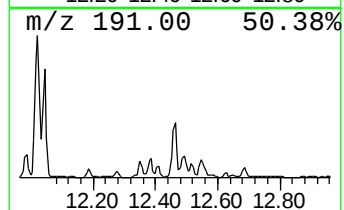
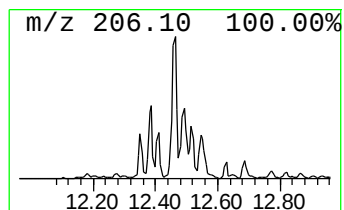
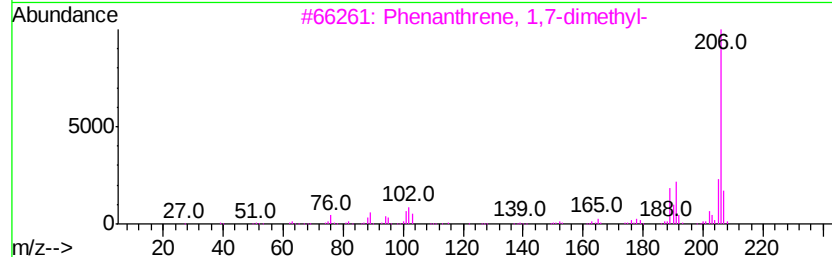
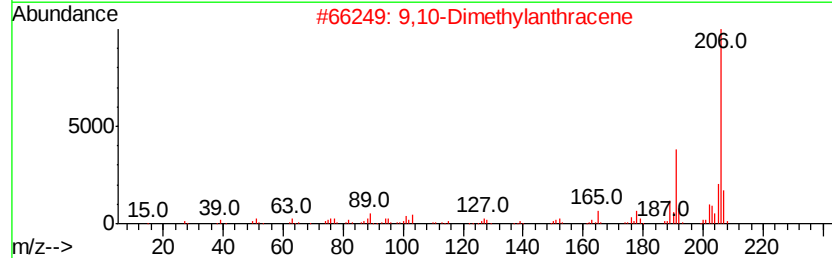
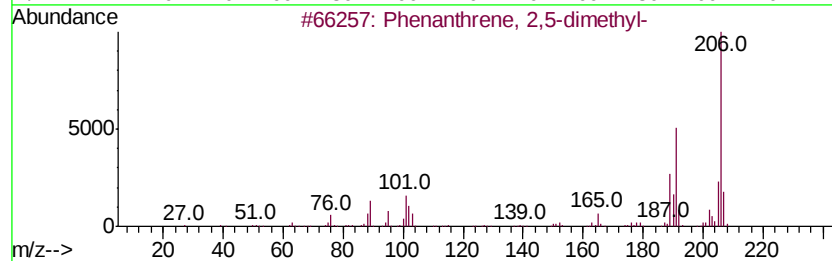
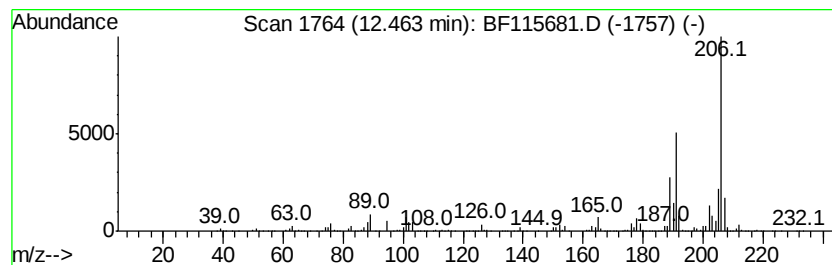
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	17.44 ng	1401900	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	94
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	92



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115681.D
Acq On : 19 Jul 2019 19:34
Operator : HP/JU
Sample : K3887-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
AOC-7(4)

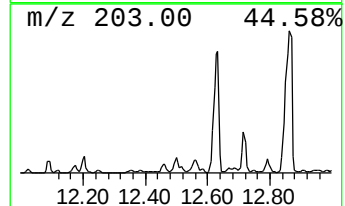
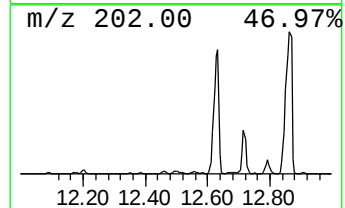
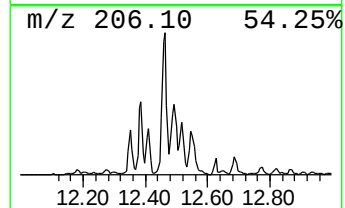
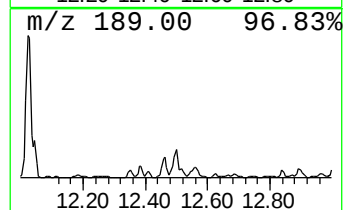
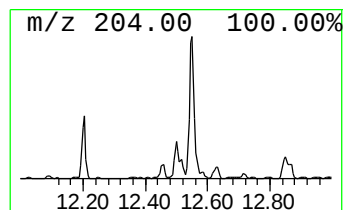
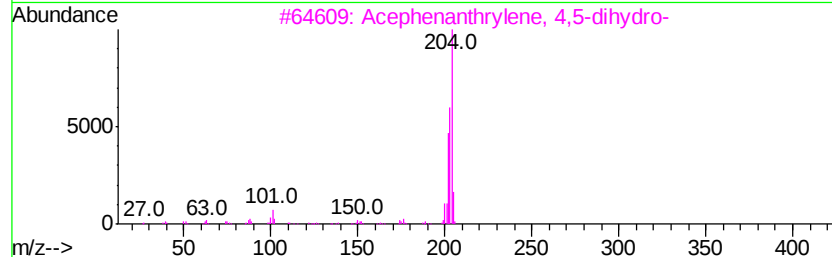
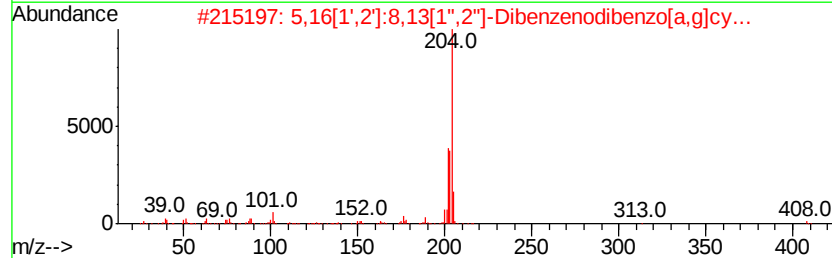
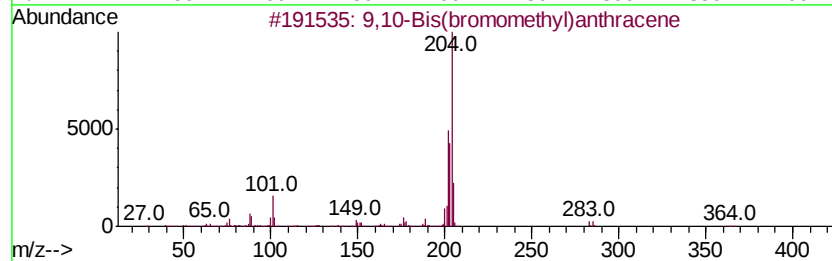
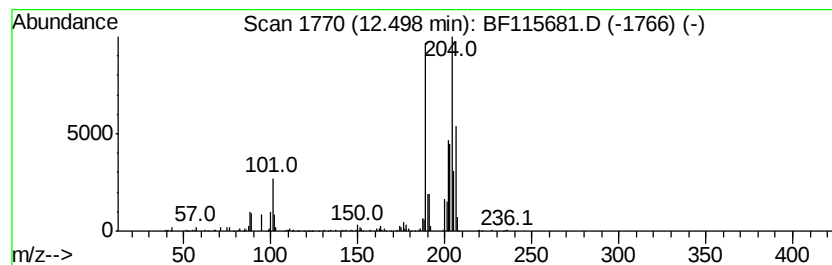
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown12.50 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	10.24 ng	823663	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43
3		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	41
4		Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30



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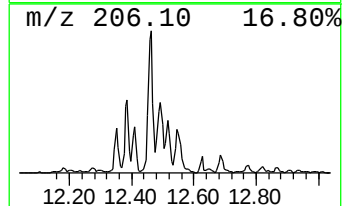
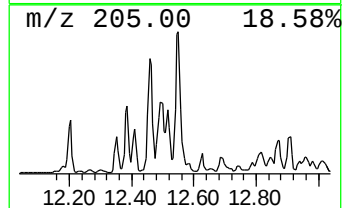
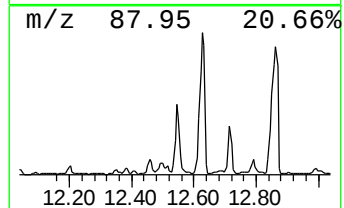
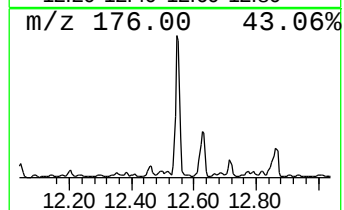
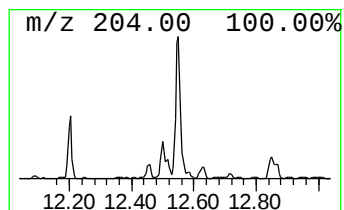
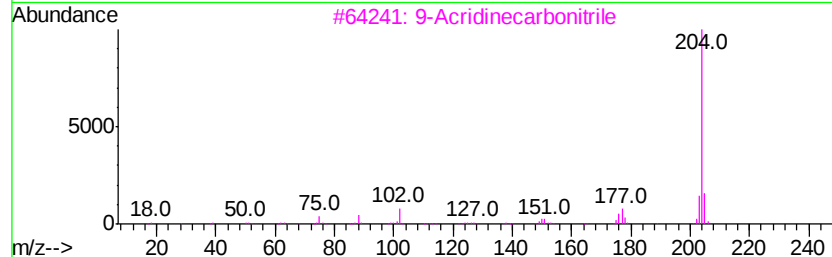
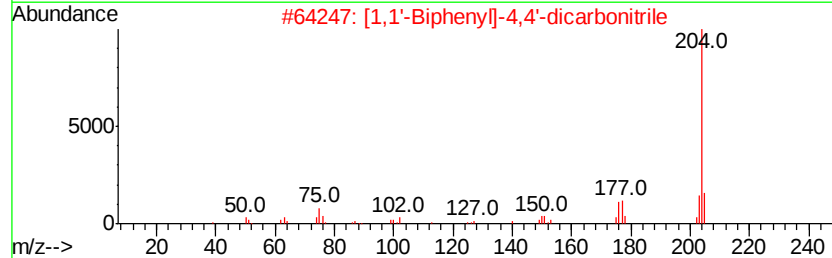
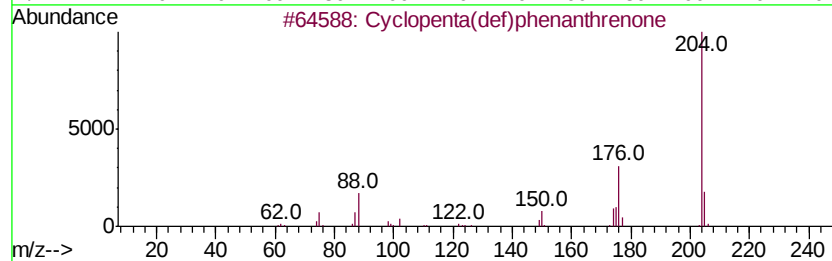
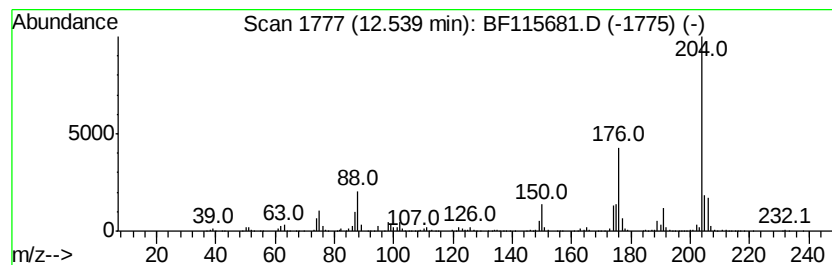
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	18.94 ng	1523220	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
4		1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	45
5		1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
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Misc :
ALS Vial : 6 Sample Multiplier: 1

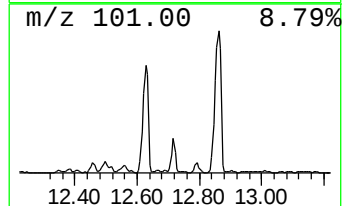
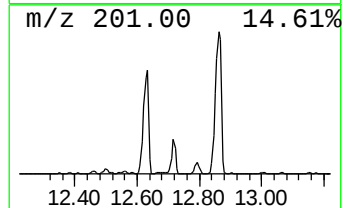
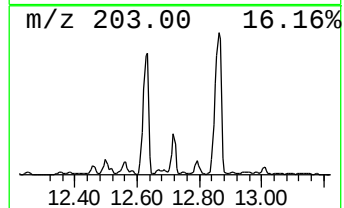
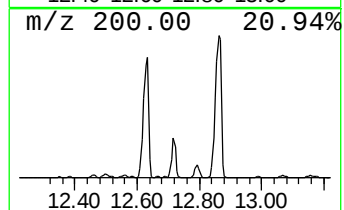
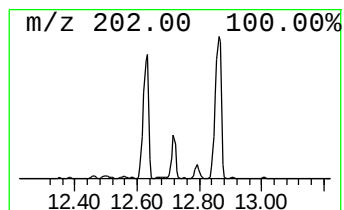
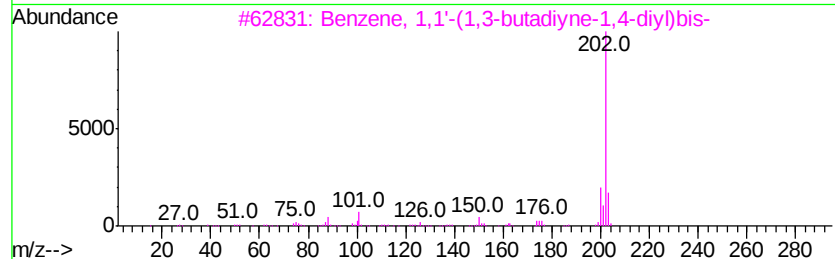
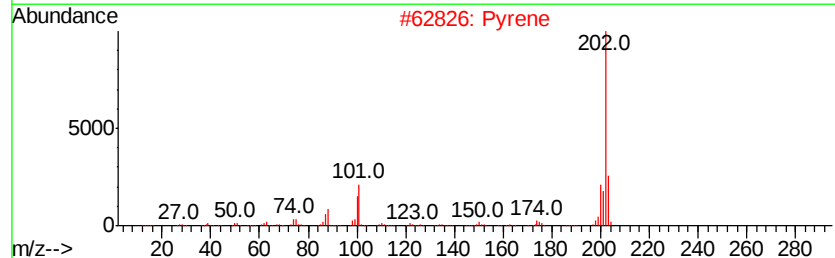
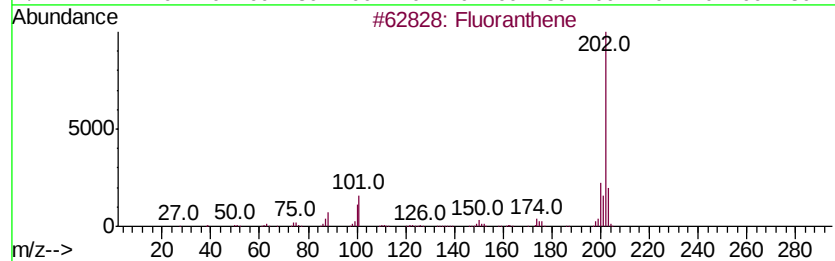
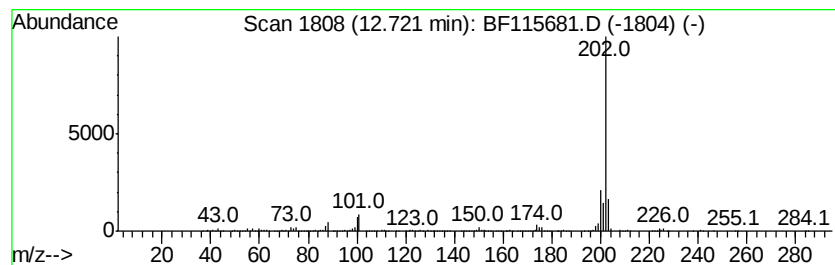
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.72	19.93 ng	1602090	Phenanthrene-d10	11.40		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Fluoranthene	202	C16H10	000206-44-0	98
2		Pyrene	202	C16H10	000129-00-0	95
3		Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	76
4		4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	60
5		l-Leucine, N-methyl-N-(2-methoxy...	485	C28H55NO5	1000328-55-1	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
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ClientSampleId :
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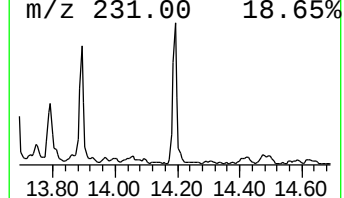
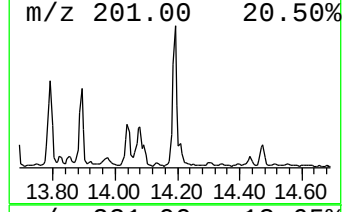
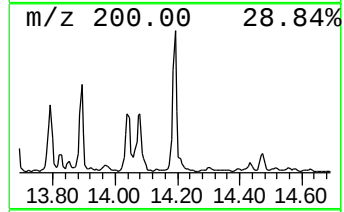
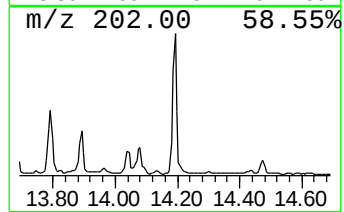
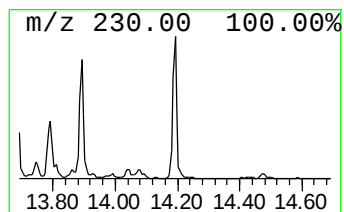
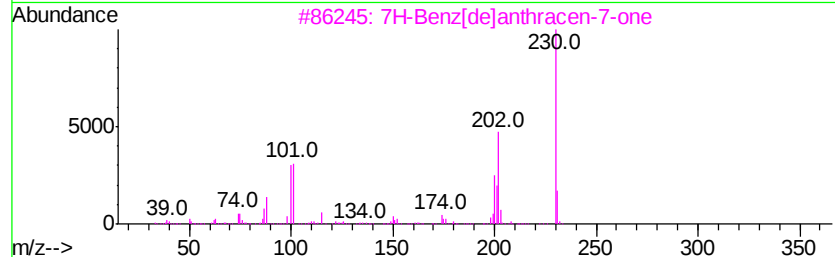
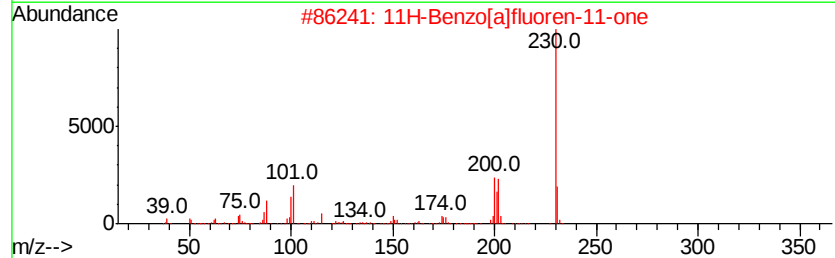
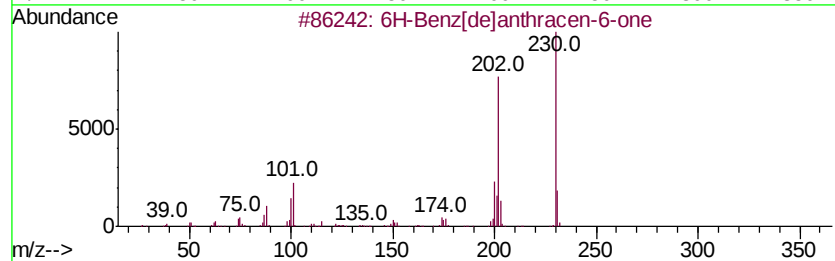
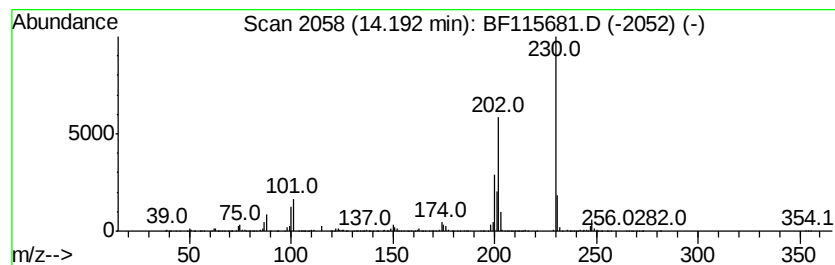
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 6H-Benz[de]anthracen-6-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	6.53 ng	1615440	Chrysene-d12	14.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	98
2		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
4		Fluoranthene	202	C16H10	000206-44-0	78
5		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
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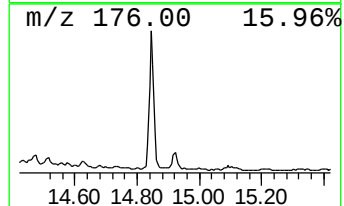
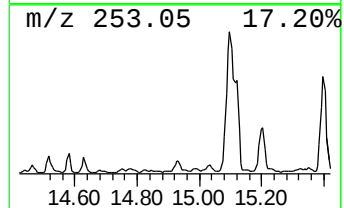
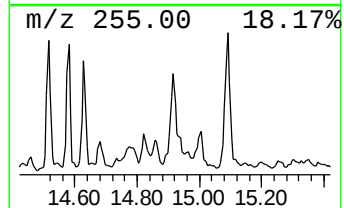
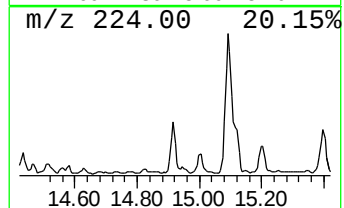
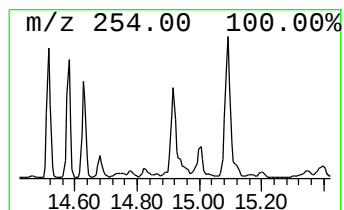
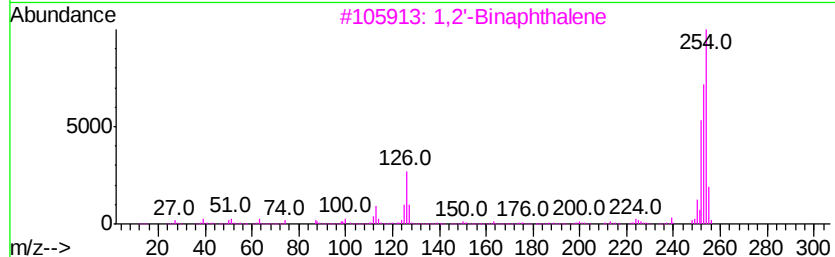
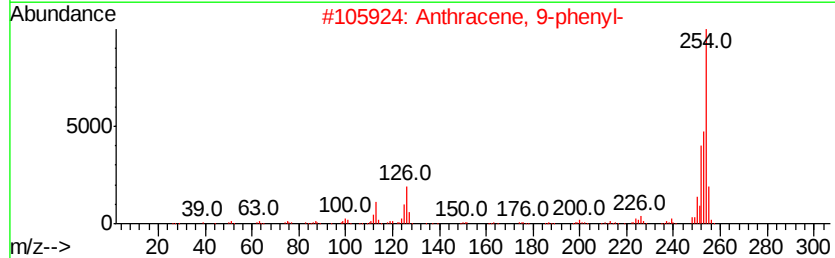
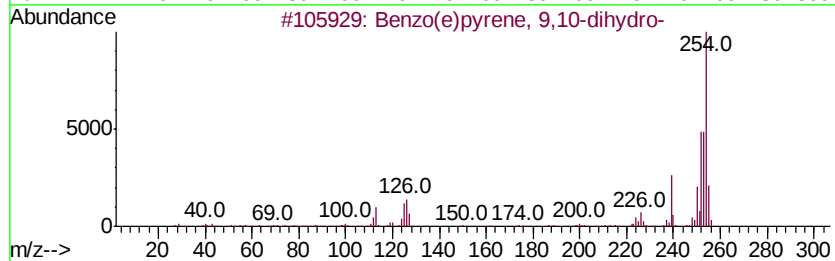
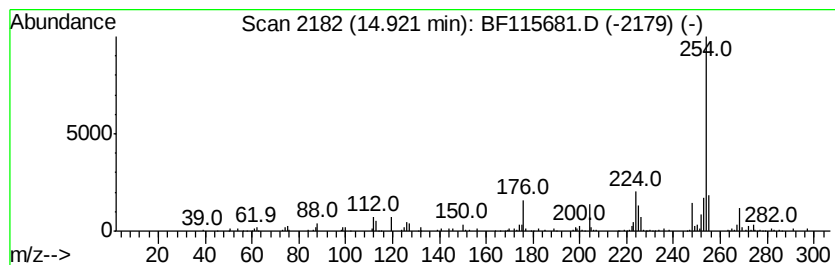
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Anthracene, 9-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.92	6.46 ng	326665	Perylene-d12	15.52		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	59
2		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	53
3		1,2'-Binaphthalene	254	C20H14	004325-74-0	53
4		Phenol, 5-amino-2-(5,7-dimethyl-...	254	C15H14N2O2	1000338-06-4	50
5		3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId :
AOC-7(4)

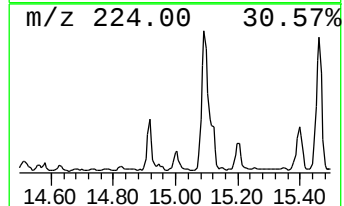
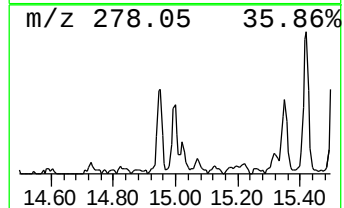
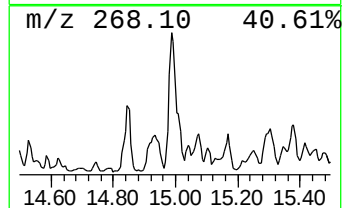
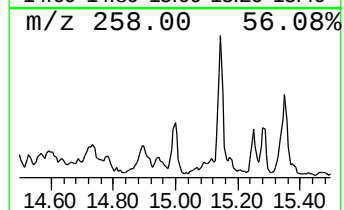
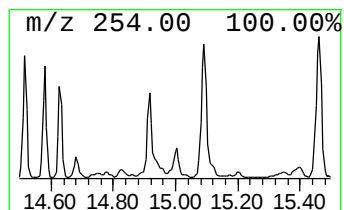
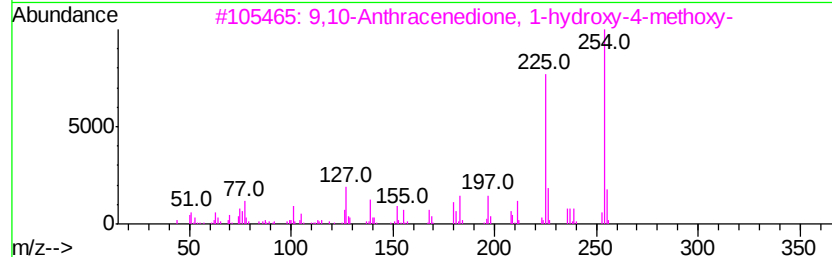
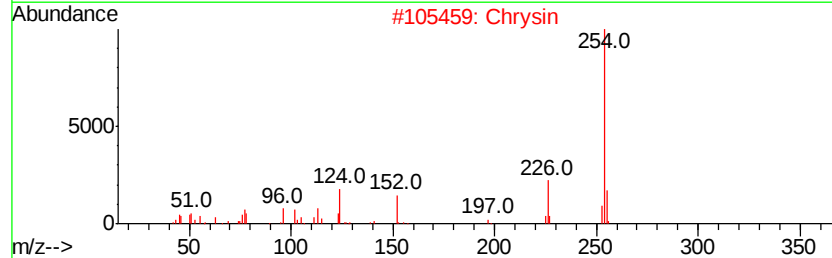
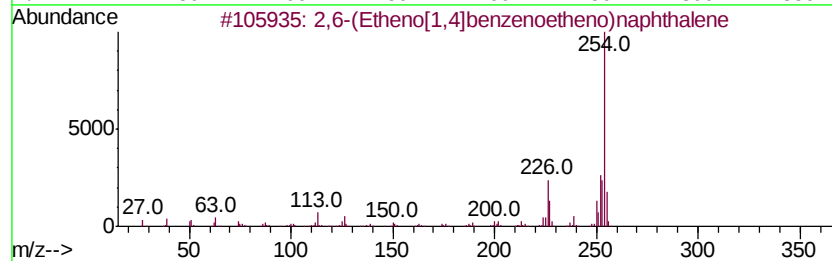
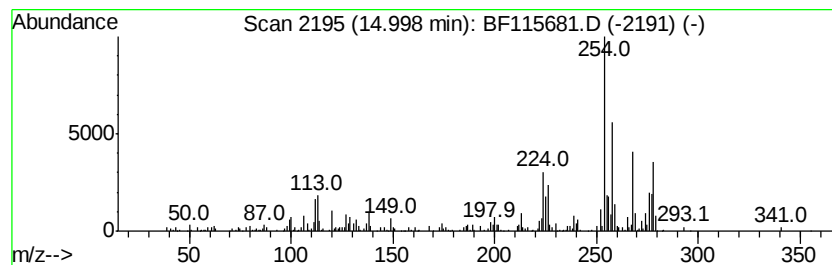
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown15.00 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	6.72 ng	339834	Perylene-d12	15.52

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	25		
2	Chrysin	254	C15H10O4	000480-40-0	22		
3	9,10-Anthracenedione, 1-hydroxyv...	254	C15H10O4	007336-64-3	22		
4	.beta.-Carboline, 3-ethoxycarbon...	254	C15H14N2O2	124487-93-0	22		
5	(6-Isopropyl-3,4-bis(methylamino...	254	C15H18N4	014203-76-0	18		



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115681.D
Acq On : 19 Jul 2019 19:34
Operator : HP/JU
Sample : K3887-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AOC-7(4)

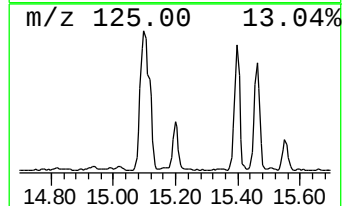
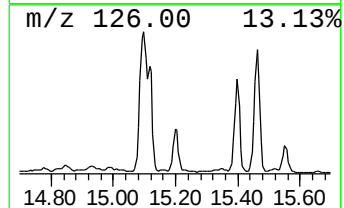
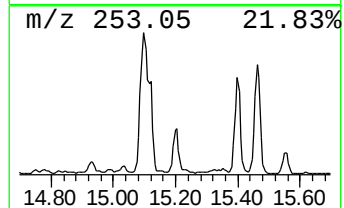
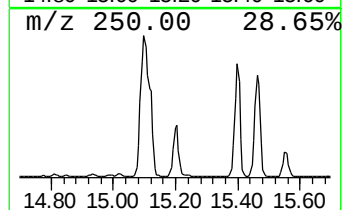
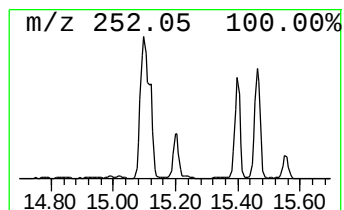
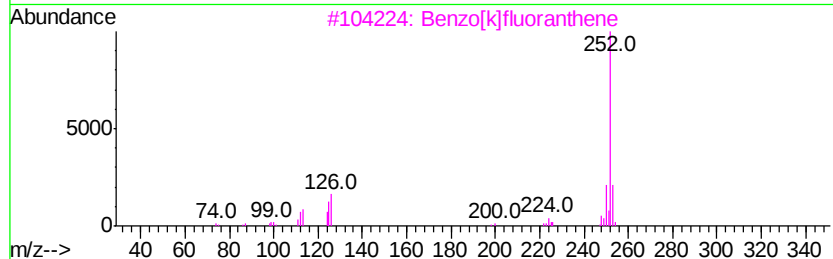
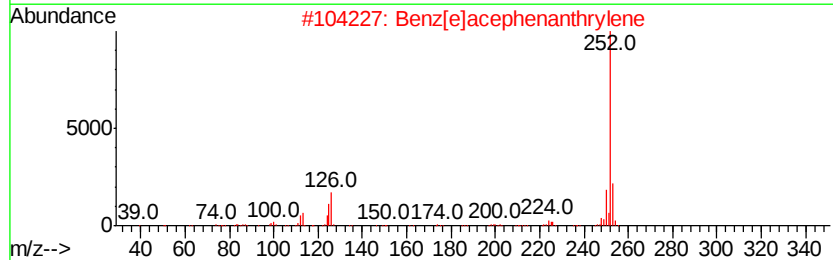
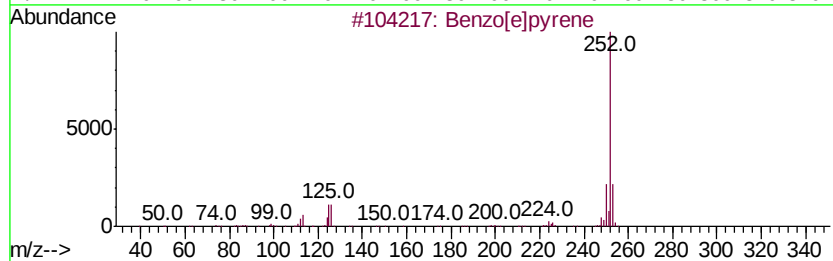
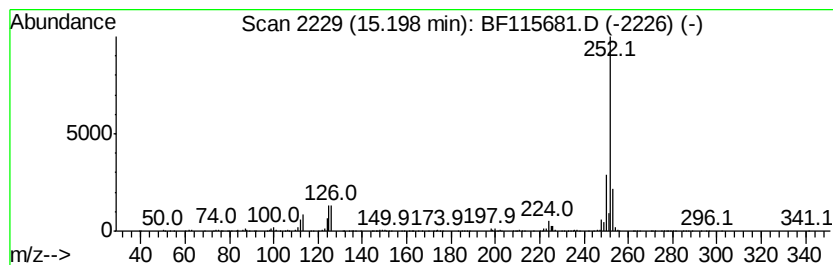
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[j]fluoranthene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	9.21 ng	465785	Perylene-d12	15.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]bpyrene	252	C20H12	000192-97-2	98
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	98
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115681.D
Acq On : 19 Jul 2019 19:34
Operator : HP/JU
Sample : K3887-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AOC-7(4)

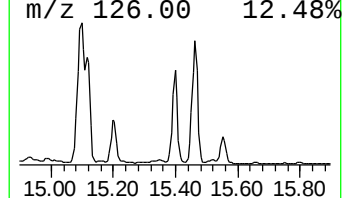
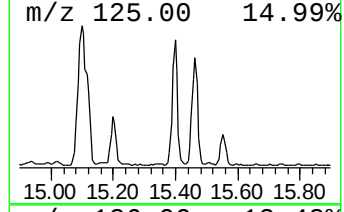
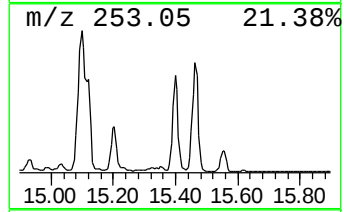
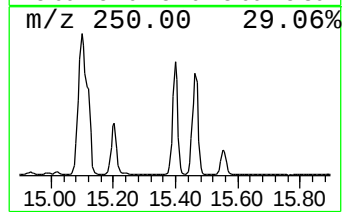
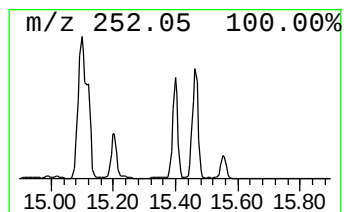
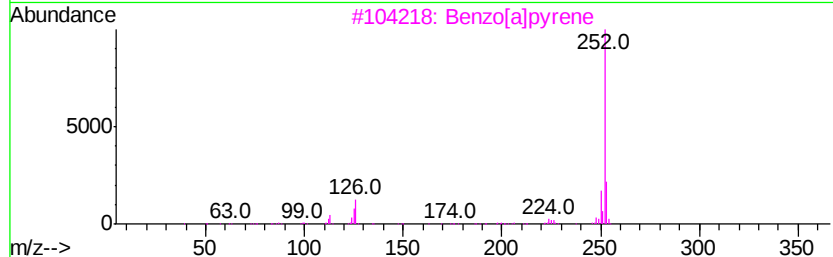
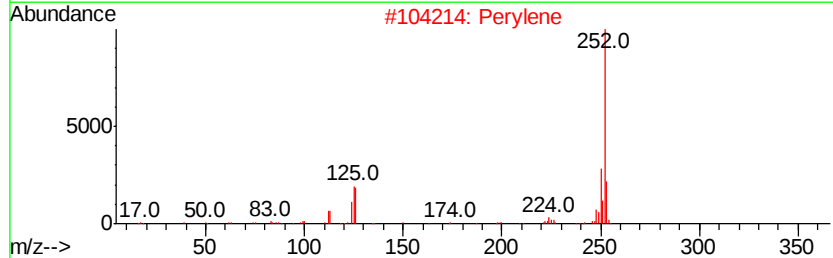
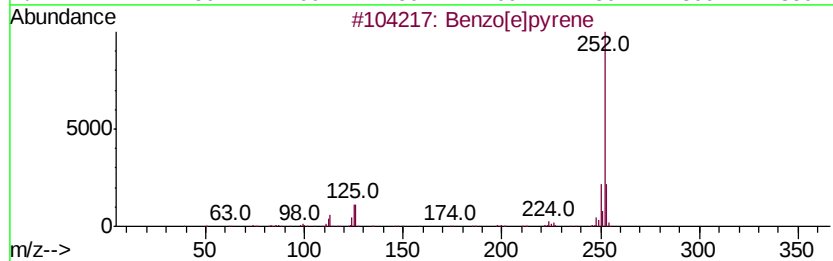
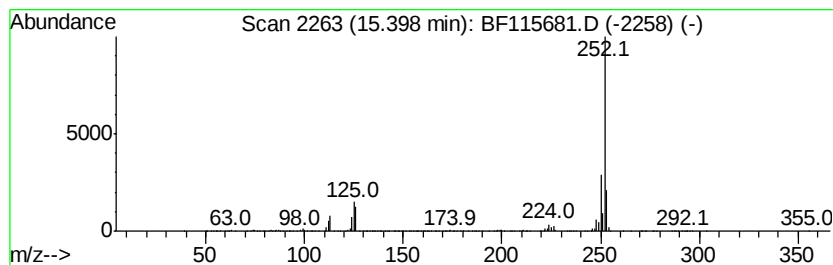
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	22.10 ng	1117070	Perylene-d12	15.52

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071919\
 Data File : BF115681.D
 Acq On : 19 Jul 2019 19:34
 Operator : HP/JU
 Sample : K3887-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOC-7(4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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
Butane, 2-methoxy...	2.22	13.2	ng	861438	1	6.88	1305750	20.0
unknown6.66	6.66	69.8	ng	4554330	1	6.88	1305750	20.0
Dibenzothiophene,...	11.73	7.6	ng	607919	4	11.40	1608050	20.0
Phenanthrene, 2-m...	11.91	19.1	ng	1538400	4	11.40	1608050	20.0
Anthracene, 2-met...	11.94	25.9	ng	2085220	4	11.40	1608050	20.0
4H-Cyclopenta[def...	12.02	39.8	ng	3203150	4	11.40	1608050	20.0
Phenanthrene, 1-m...	12.04	14.1	ng	1129970	4	11.40	1608050	20.0
Naphthalene, 2-ph...	12.20	7.0	ng	564137	4	11.40	1608050	20.0
9,10-Anthracenedione	12.23	9.3	ng	747224	4	11.40	1608050	20.0
Phenanthrene, 3,6...	12.35	7.0	ng	562662	4	11.40	1608050	20.0
Phenanthrene, 2,5...	12.46	17.4	ng	1401900	4	11.40	1608050	20.0
unknown12.50	12.50	10.2	ng	823663	4	11.40	1608050	20.0
Cyclopenta(def)ph...	12.54	18.9	ng	1523220	4	11.40	1608050	20.0
Benzene, 1,1'-(1,...	12.72	19.9	ng	1602090	4	11.40	1608050	20.0
6H-Benz[de]anthra...	14.19	6.5	ng	1615440	5	14.05	4950490	20.0
Anthracene, 9-phe...	14.92	6.5	ng	326665	6	15.52	1011040	20.0
unknown15.00	15.00	6.7	ng	339834	6	15.52	1011040	20.0
Benzo[j]fluoranthene	15.20	9.2	ng	465785	6	15.52	1011040	20.0
Benzo[e]pyrene	15.40	22.1	ng	1117070	6	15.52	1011040	20.0