

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120042.D
 Acq On : 16 Apr 2020 17:58
 Operator : MA/SJ
 Sample : L2245-22 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-21A

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-BF040820.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.292	541	545	548	rBV2	37199	41578	2.81%	0.157%
2	5.328	548	551	568	rVB	892621	1057577	71.49%	3.995%
3	5.581	591	594	599	rVB	112226	104283	7.05%	0.394%
4	6.357	723	726	739	rBV	928849	1033907	69.89%	3.906%
5	6.722	785	788	792	rBV	1005076	823811	55.69%	3.112%
6	6.881	811	815	818	rBV	1078495	903084	61.05%	3.412%
7	7.286	880	884	887	rBV	823599	668302	45.18%	2.525%
8	8.010	1002	1007	1010	rBV	1270598	1037315	70.12%	3.919%
9	8.722	1122	1128	1131	rVB3	31068	34713	2.35%	0.131%
10	9.086	1186	1190	1193	rBV	1626209	1254482	84.80%	4.739%
11	9.175	1200	1205	1209	rBV2	53735	62814	4.25%	0.237%
12	9.486	1254	1258	1262	rBV2	73955	106682	7.21%	0.403%
13	9.627	1279	1282	1285	rBV	43589	38277	2.59%	0.145%
14	9.704	1293	1295	1299	rVB	61323	46850	3.17%	0.177%
15	9.763	1299	1305	1309	rBV	1078014	1001370	67.69%	3.783%
16	9.798	1309	1311	1315	rVB	120256	100166	6.77%	0.378%
17	9.969	1336	1340	1343	rBV	87796	86914	5.88%	0.328%
18	10.204	1377	1380	1383	rVB	56511	44389	3.00%	0.168%
19	10.310	1396	1398	1405	rBV	105954	111513	7.54%	0.421%
20	10.427	1415	1418	1420	rVV2	41209	38682	2.61%	0.146%
21	10.474	1423	1426	1429	rVB2	35812	37820	2.56%	0.143%
22	10.551	1436	1439	1443	rVV	634439	560638	37.90%	2.118%
23	10.680	1458	1461	1466	rBV2	83191	135356	9.15%	0.511%
24	10.839	1482	1488	1489	rBV2	38481	44890	3.03%	0.170%
25	10.857	1489	1491	1494	rVV3	38905	48316	3.27%	0.183%
26	10.986	1508	1513	1515	rBV5	68508	80070	5.41%	0.302%
27	11.010	1515	1517	1520	rVV2	53189	53169	3.59%	0.201%
28	11.057	1523	1525	1528	rVV	68824	55626	3.76%	0.210%
29	11.127	1535	1537	1539	rVV	73229	62059	4.20%	0.234%
30	11.151	1539	1541	1546	rVB2	70186	98086	6.63%	0.371%
31	11.251	1554	1558	1560	rBV	1004805	867488	58.64%	3.277%
32	11.274	1560	1562	1565	rVV	1242921	925985	62.60%	3.498%
33	11.327	1565	1571	1574	rVB	267635	255941	17.30%	0.967%
34	11.439	1586	1590	1592	rVB4	30539	38511	2.60%	0.145%

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35	11.469	1592	1595	1596	rBV	38994	38306	2.59%	0.145%
36	11.486	1596	1598	1601	rVV	114642	106881	7.22%	0.404%
37	11.521	1601	1604	1607	rVV4	50464	60804	4.11%	0.230%
38	11.557	1607	1610	1613	rVV3	93141	100967	6.83%	0.381%
39	11.651	1623	1626	1627	rVV2	73214	76547	5.17%	0.289%
40	11.698	1631	1634	1637	rBV4	58668	82253	5.56%	0.311%
41	11.757	1640	1644	1646	rVV	147441	157158	10.62%	0.594%
42	11.786	1646	1649	1653	rVV3	371163	391134	26.44%	1.478%
43	11.827	1653	1656	1658	rVV2	92655	101742	6.88%	0.384%
44	11.863	1659	1662	1665	rVV	183739	236682	16.00%	0.894%
45	11.886	1665	1666	1671	rVB	149354	120822	8.17%	0.456%
46	11.939	1671	1675	1677	rBV2	61238	71371	4.82%	0.270%
47	11.963	1677	1679	1682	rBV2	78817	60033	4.06%	0.227%
48	12.051	1690	1694	1695	rBV	122644	123386	8.34%	0.466%
49	12.204	1717	1720	1723	rBV3	81486	89661	6.06%	0.339%
50	12.245	1723	1727	1732	rVB4	237250	271828	18.38%	1.027%
51	12.304	1733	1737	1741	rBV3	156915	183343	12.39%	0.693%
52	12.345	1741	1744	1749	rVB3	72880	96478	6.52%	0.364%
53	12.386	1749	1751	1753	rBV	86562	87600	5.92%	0.331%
54	12.416	1753	1756	1758	rVB3	40435	37094	2.51%	0.140%
55	12.439	1758	1760	1762	rBV2	68856	49366	3.34%	0.186%
56	12.468	1762	1765	1768	rBV	1529082	1302043	88.02%	4.919%
57	12.527	1771	1775	1778	rVB5	97233	96927	6.55%	0.366%
58	12.557	1778	1780	1781	rBV2	71252	61892	4.18%	0.234%
59	12.574	1781	1783	1785	rVB	76382	48334	3.27%	0.183%
60	12.615	1788	1790	1792	rVB	68292	48222	3.26%	0.182%
61	12.674	1796	1800	1801	rBV2	298683	335879	22.70%	1.269%
62	12.698	1801	1804	1806	rVB	1184791	1124049	75.98%	4.246%
63	12.786	1816	1819	1822	rBV3	140781	140656	9.51%	0.531%
64	12.815	1822	1824	1825	rVV	119955	92123	6.23%	0.348%
65	12.839	1825	1828	1836	rVB	1159224	1021884	69.08%	3.860%
66	12.921	1836	1842	1845	rBV3	117412	198690	13.43%	0.751%
67	12.992	1852	1854	1856	rVV3	46813	49863	3.37%	0.188%
68	13.021	1856	1859	1864	rVB2	207819	238586	16.13%	0.901%
69	13.063	1864	1866	1868	rBV2	71361	66455	4.49%	0.251%
70	13.092	1868	1871	1872	rVB2	54838	43275	2.93%	0.163%
71	13.127	1872	1877	1879	rBV2	120331	164496	11.12%	0.621%

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72	13.221	1888	1893	1896	rBV	186681	226472	15.31%	0.856%
73	13.251	1896	1898	1902	rVB	83614	86642	5.86%	0.327%
74	13.374	1917	1919	1921	rBV	48576	36321	2.46%	0.137%
75	13.398	1921	1923	1926	rVV3	46600	60536	4.09%	0.229%
76	13.433	1926	1929	1934	rVB5	128395	167035	11.29%	0.631%
77	13.527	1939	1945	1948	rBV	159790	207794	14.05%	0.785%
78	13.639	1960	1964	1966	rBV2	127190	147497	9.97%	0.557%
79	13.668	1966	1969	1971	rVV	135446	141882	9.59%	0.536%
80	13.692	1971	1973	1978	rVV2	106475	173704	11.74%	0.656%
81	13.739	1978	1981	1988	rVB2	119717	145130	9.81%	0.548%
82	13.792	1988	1990	1993	rBV4	39781	36159	2.44%	0.137%
83	13.892	2000	2007	2010	rBV2	1016976	1479324	100.00%	5.588%
84	13.921	2010	2012	2018	rVB	545040	477192	32.26%	1.803%
85	13.998	2023	2025	2027	rVB	79476	55899	3.78%	0.211%
86	14.068	2035	2037	2041	rVB3	55497	62909	4.25%	0.238%
87	14.121	2044	2046	2049	rVB	54970	42697	2.89%	0.161%
88	14.151	2049	2051	2053	rBV3	53292	49290	3.33%	0.186%
89	14.280	2070	2073	2076	rVB	128965	119710	8.09%	0.452%
90	14.315	2076	2079	2083	rBV2	74246	108088	7.31%	0.408%
91	14.374	2086	2089	2091	rBV2	86136	76117	5.15%	0.288%
92	14.404	2091	2094	2096	rBV2	57704	55050	3.72%	0.208%
93	14.909	2176	2180	2184	rBV	445391	698684	47.23%	2.639%
94	15.015	2193	2198	2201	rBV2	105767	139489	9.43%	0.527%
95	15.198	2226	2229	2235	rVB	297882	370497	25.05%	1.400%
96	15.256	2235	2239	2245	rVV	396566	500662	33.84%	1.891%
97	15.321	2245	2250	2253	rVV	492613	611411	41.33%	2.310%
98	15.351	2253	2255	2261	rVB3	165738	218519	14.77%	0.826%
99	16.703	2481	2485	2492	rVB2	171981	319126	21.57%	1.206%
100	17.121	2551	2556	2562	rVB	119160	219637	14.85%	0.830%

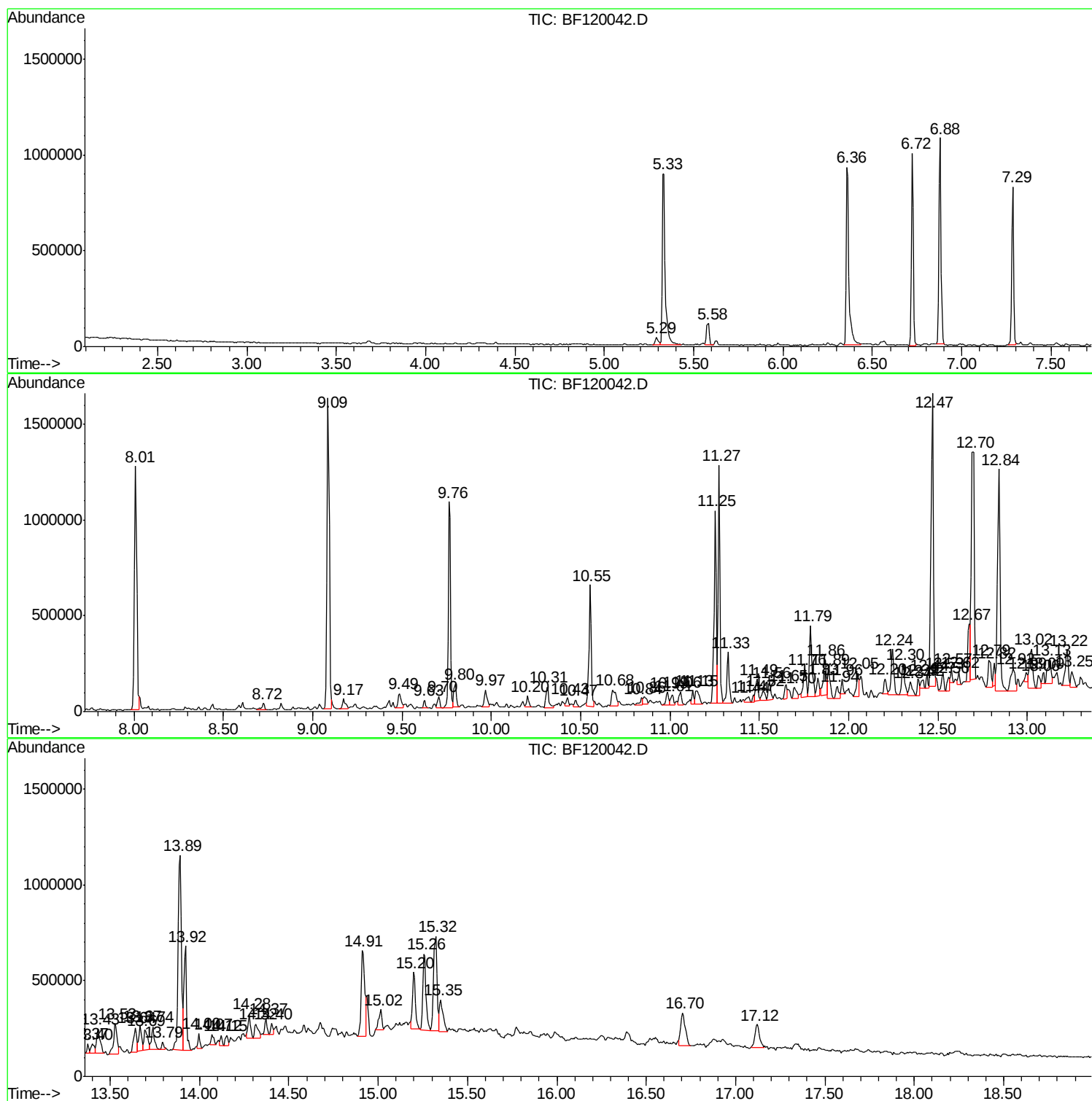
Sum of corrected areas: 26470967

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



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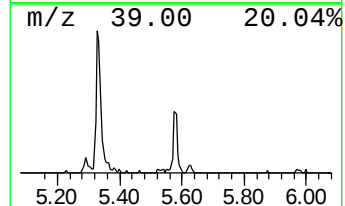
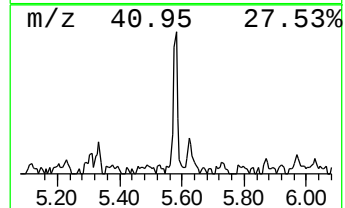
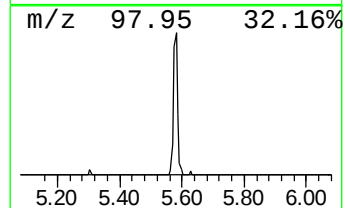
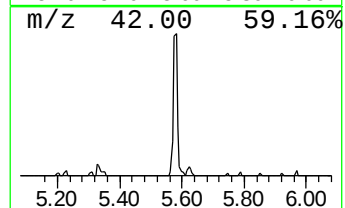
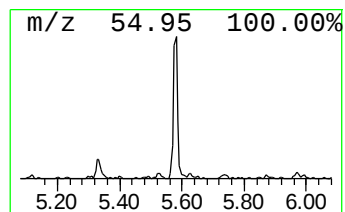
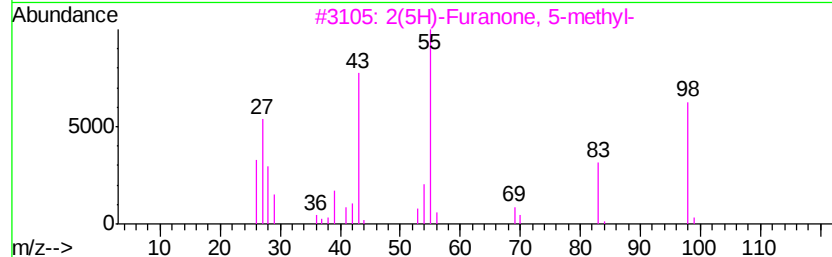
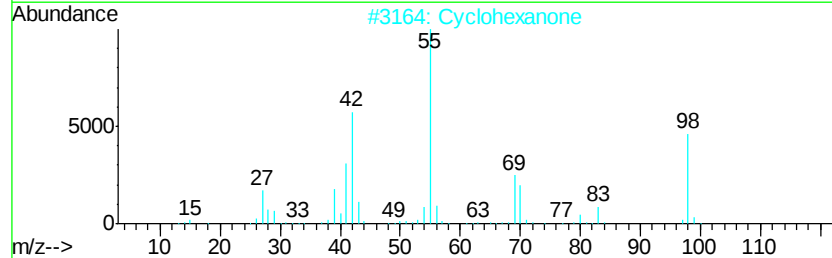
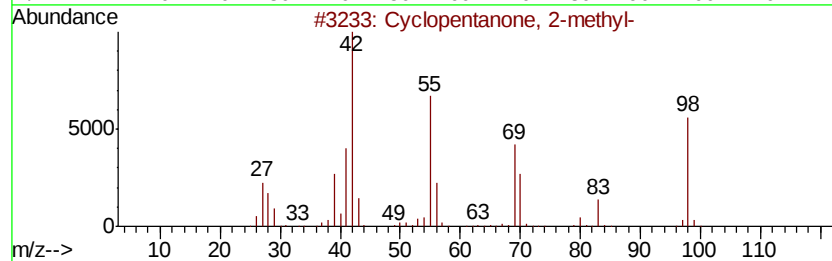
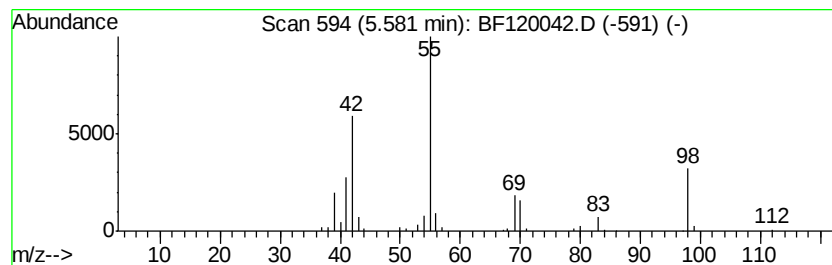
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Cyclopentanone, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	2.53 ng	104283	1,4-Dichlorobenzene-d4	6.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	80
2			Cyclohexanone	98	C6H10O	000108-94-1	64
3			2(5H)-Furanone, 5-methyl-	98	C5H6O2	000591-11-7	37
4			2-Heptene, (E)-	98	C7H14	014686-13-6	37
5			2H-Imidazol-2-one, 1,3-dihydro-4...	98	C4H6N2O	001192-34-3	36



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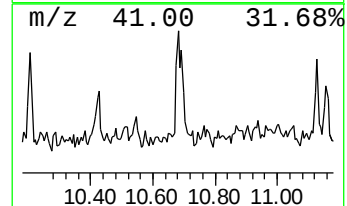
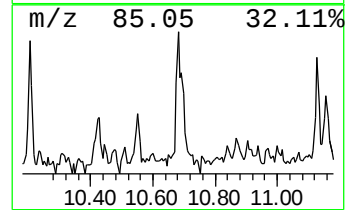
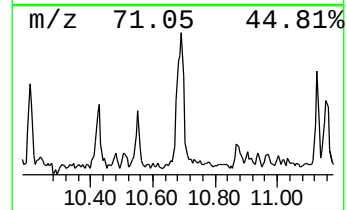
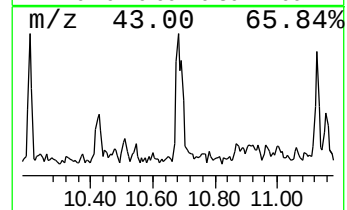
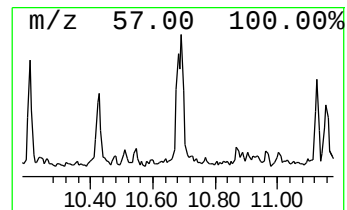
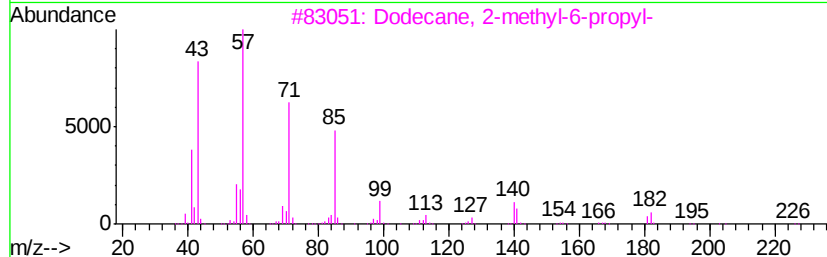
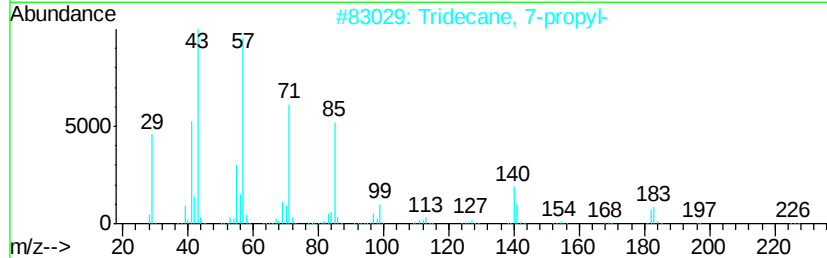
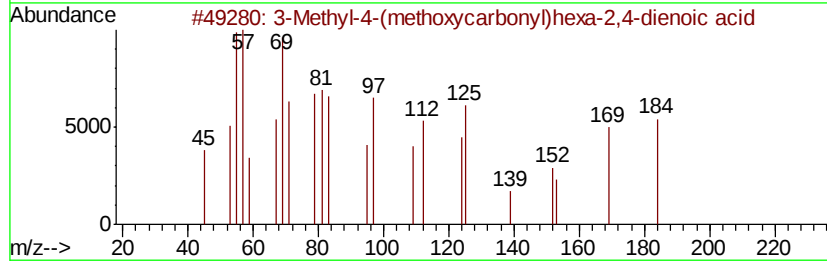
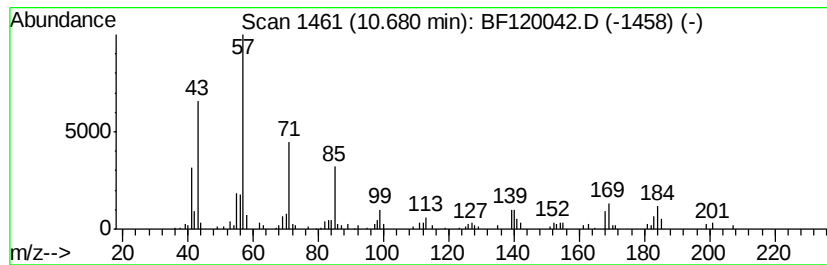
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 3-Methyl-4-(methoxycarbonyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.68	3.12 ng	135356	Phenanthrene-d10		11.25
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	90
2	Tridecane, 7-propyl-	226	C16H34	055045-09-5	58
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	58
4	Decane	142	C10H22	000124-18-5	58
5	Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	52



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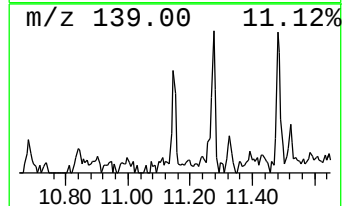
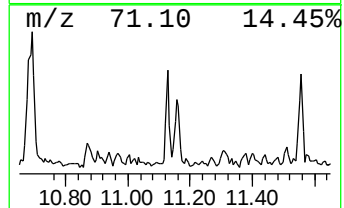
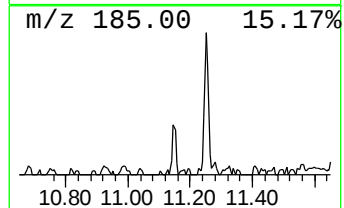
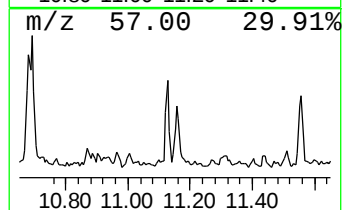
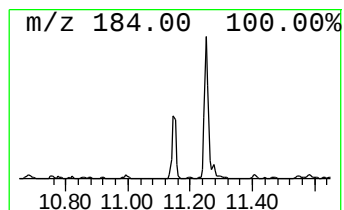
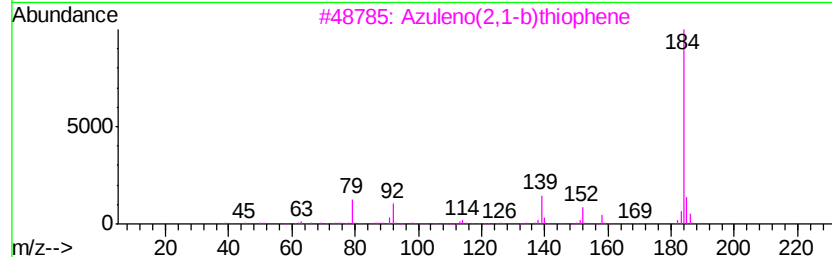
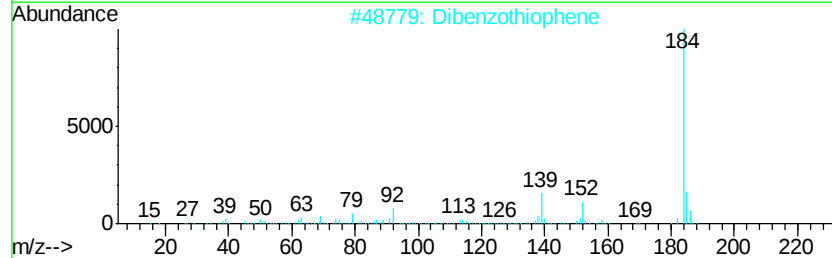
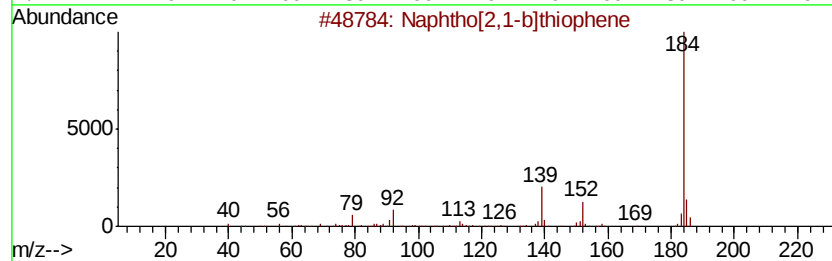
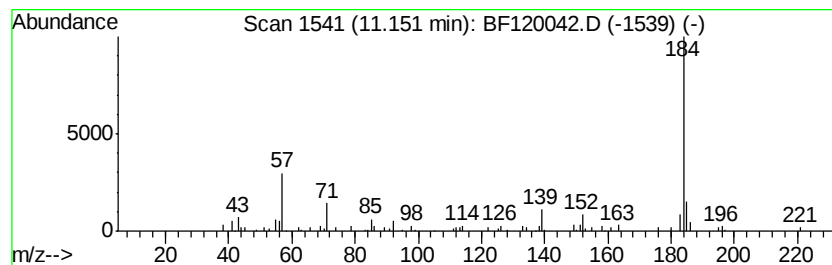
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphtho[2,1-b]thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.15	2.26 ng	98086	Phenanthrene-d10		11.25	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	87
2		Dibenzothiophene	184	C12H8S	000132-65-0	87
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	86
4		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	80
5		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120042.D
Acq On : 16 Apr 2020 17:58
Operator : MA/SJ
Sample : L2245-22 5X
Misc :
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Instrument :
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ClientSampleId :
TP-21A

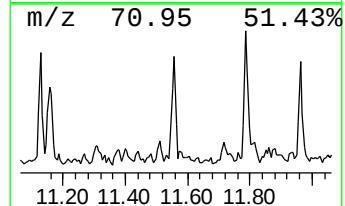
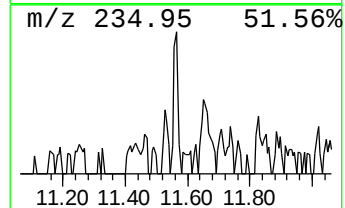
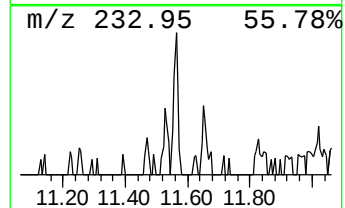
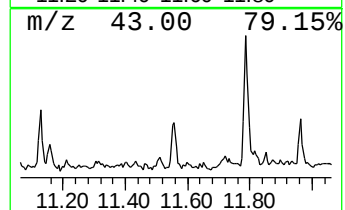
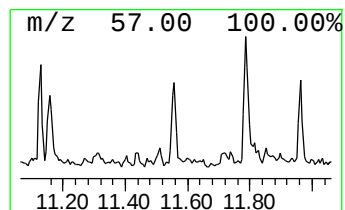
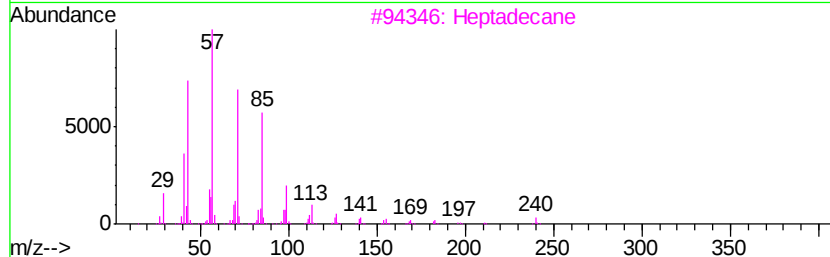
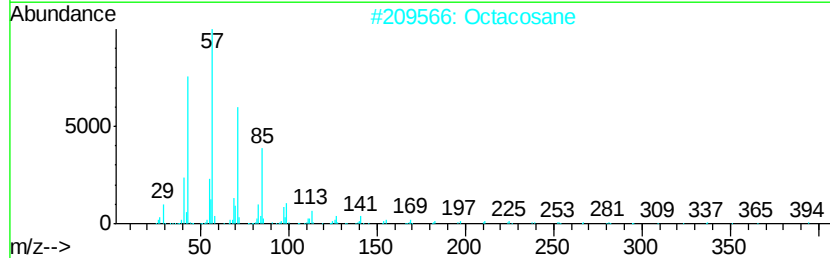
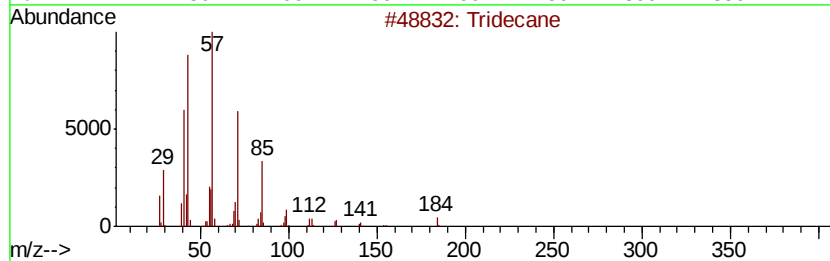
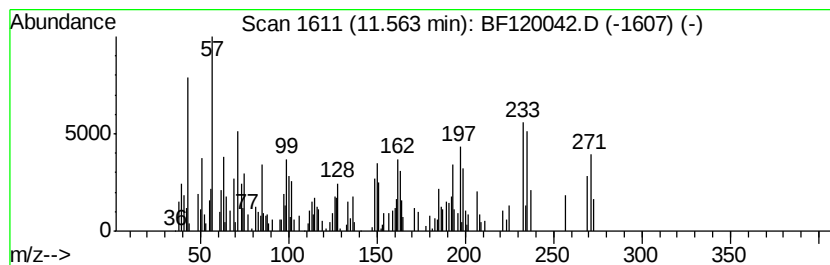
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown11.56 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	2.33 ng	100967	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	45
2		Octacosane	394	C28H58	000630-02-4	43
3		Heptadecane	240	C17H36	000629-78-7	43
4		Octadecane, 2-methyl-	268	C19H40	001560-88-9	43
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120042.D
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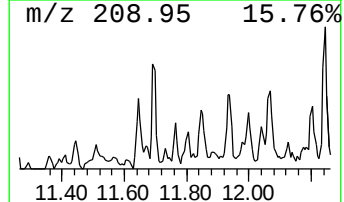
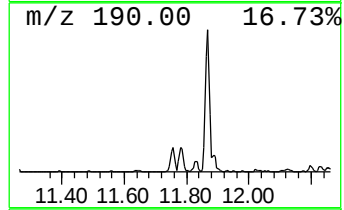
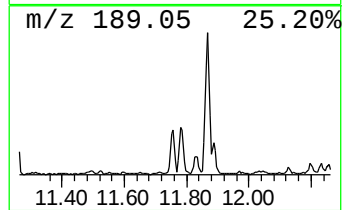
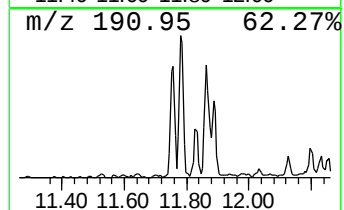
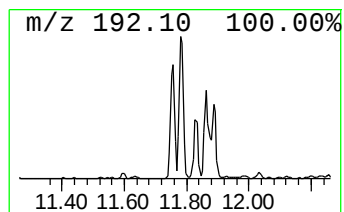
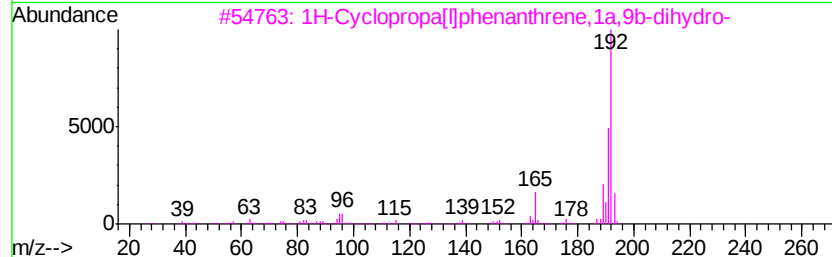
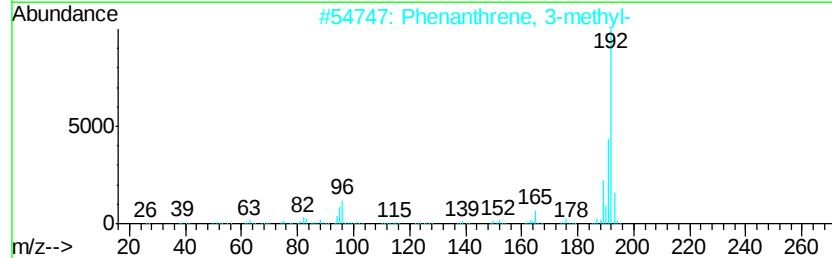
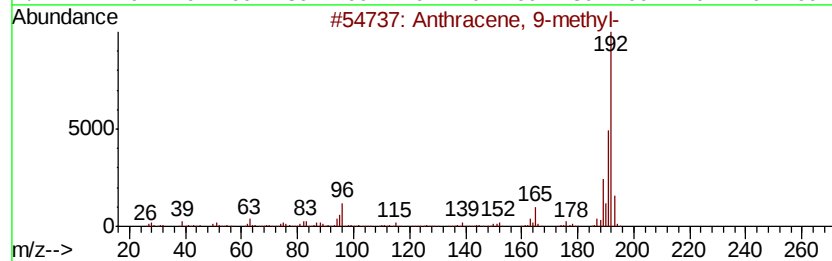
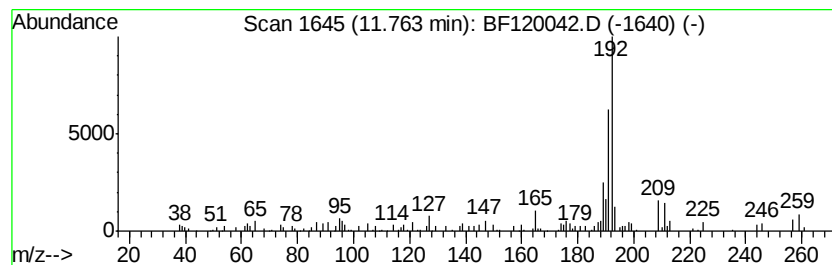
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	3.62 ng	157158	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	81
4		Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	81
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120042.D
Acq On : 16 Apr 2020 17:58
Operator : MA/SJ
Sample : L2245-22 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

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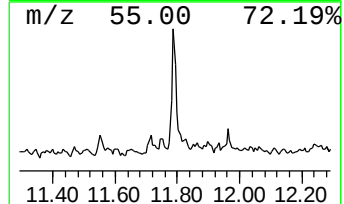
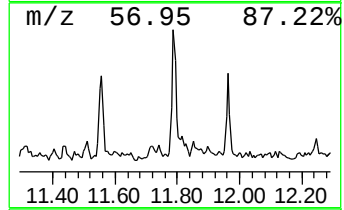
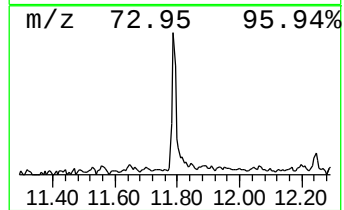
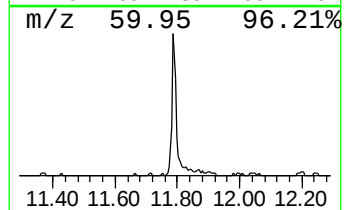
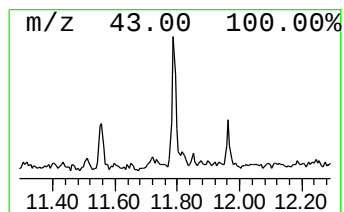
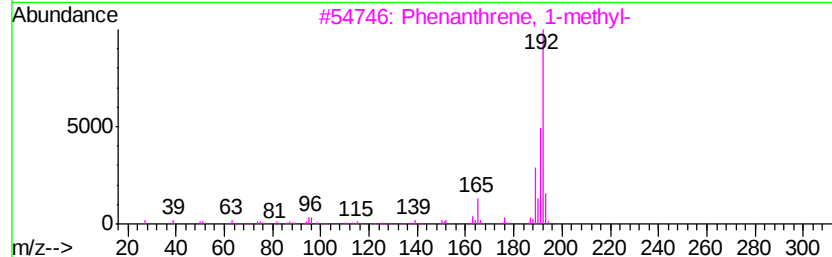
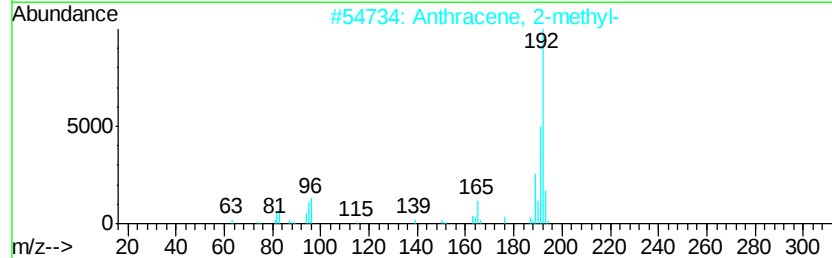
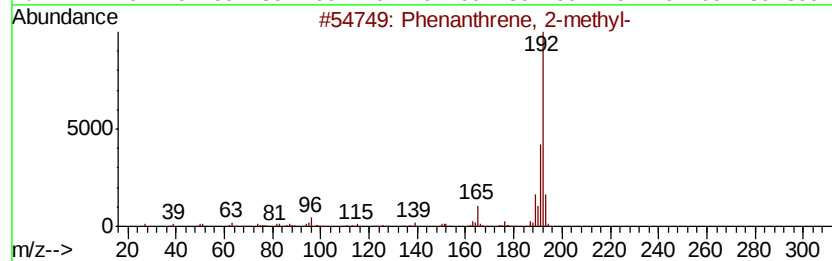
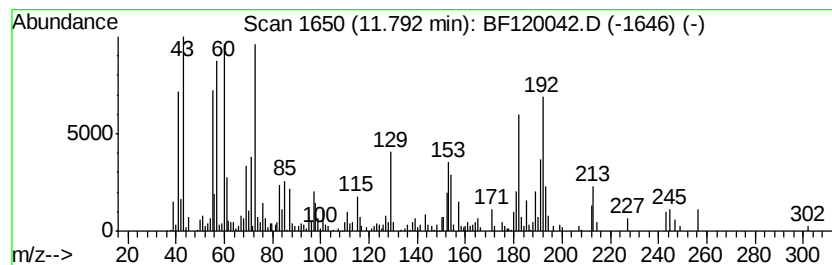
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	9.02 ng	391134	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	92
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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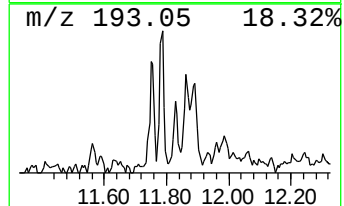
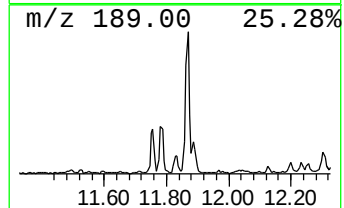
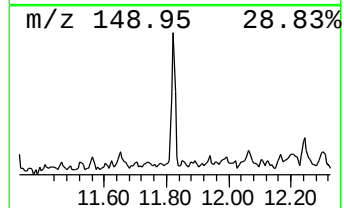
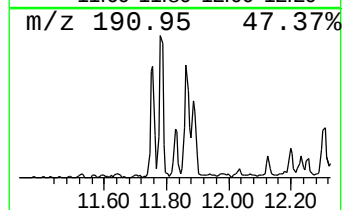
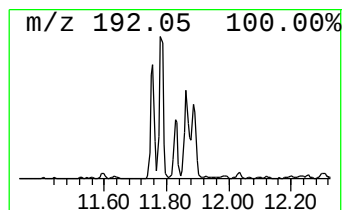
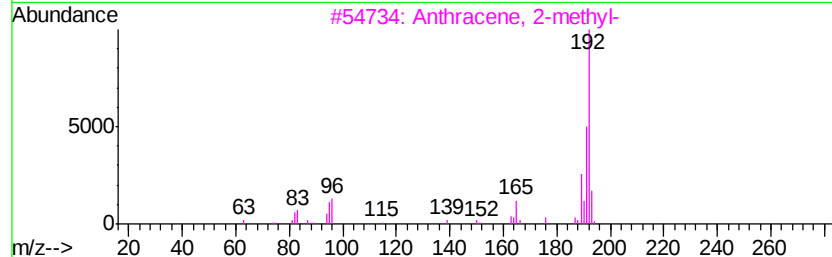
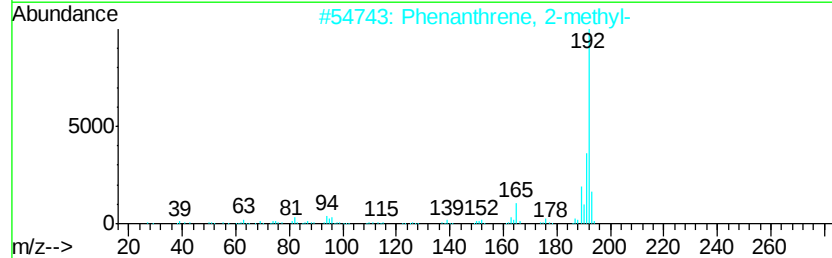
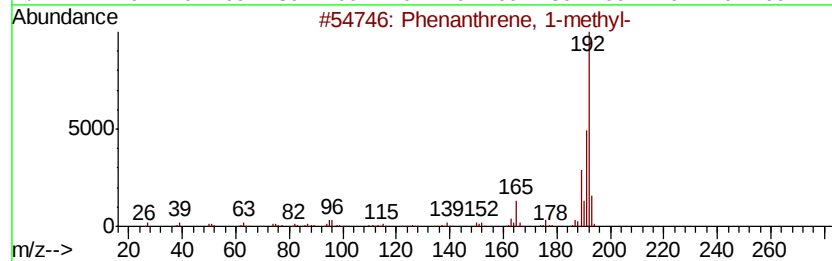
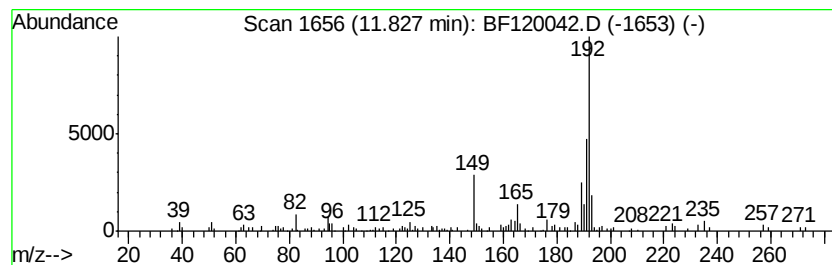
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	2.35 ng	101742	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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ClientSampleId :
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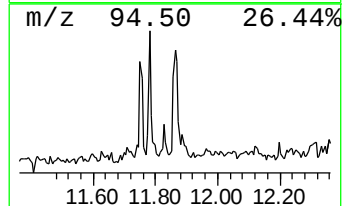
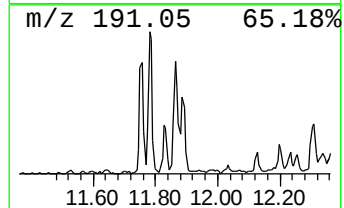
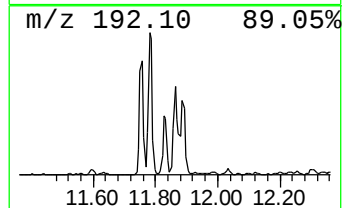
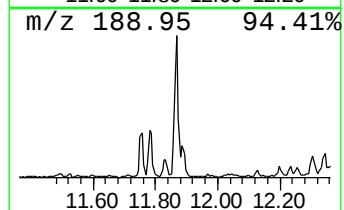
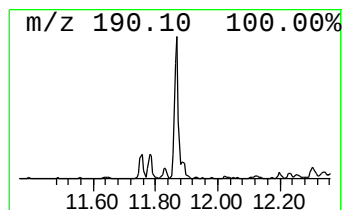
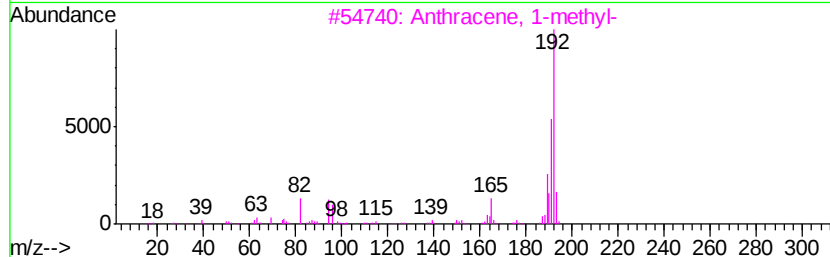
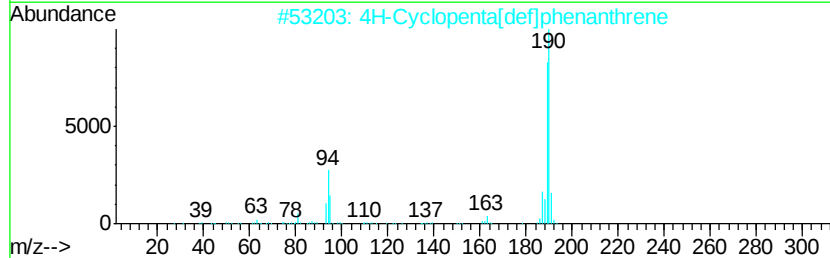
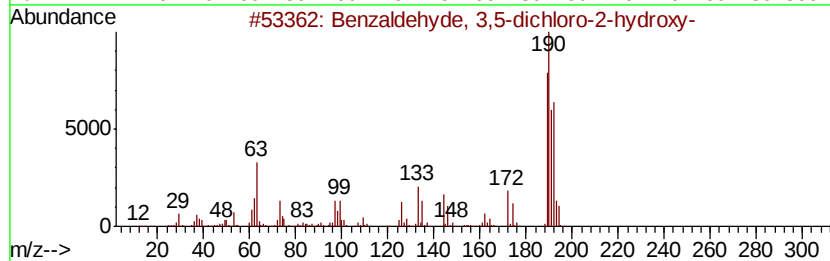
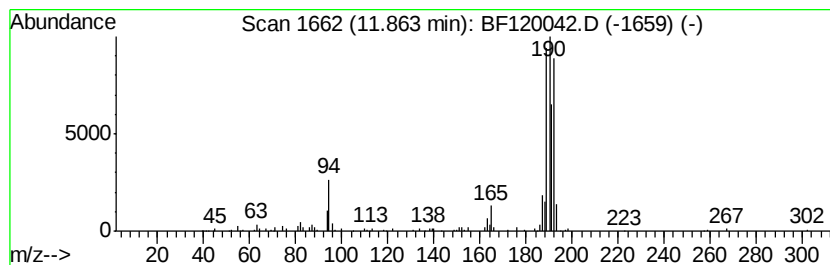
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.46 ng	236682	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzaldehydve, 3,5-dichloro-2-hvd...	190	C7H4Cl2O2	000090-60-8	80
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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Misc :
ALS Vial : 50 Sample Multiplier: 1

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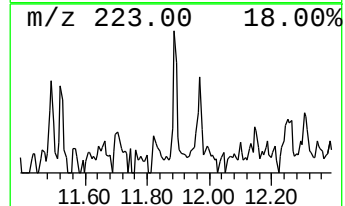
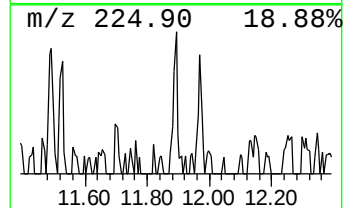
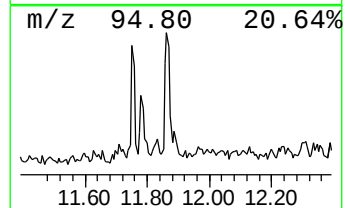
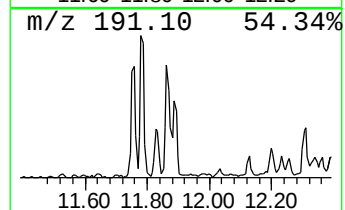
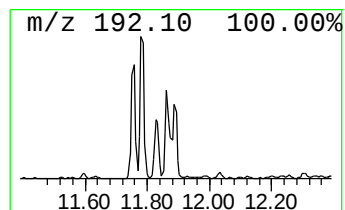
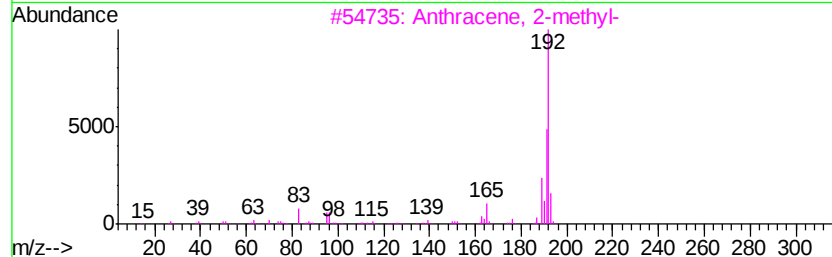
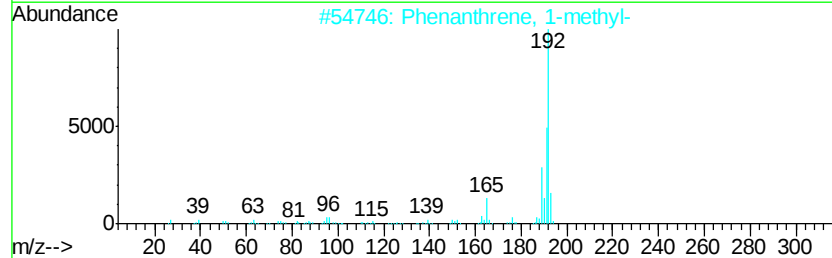
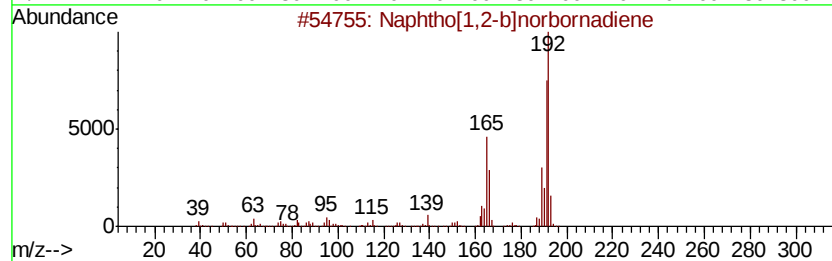
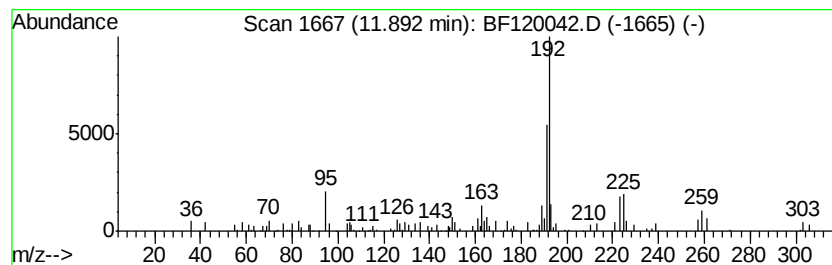
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphtho[1,2-b]norbornadiene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.79 ng	120822	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	52
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	49
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	49
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	49
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120042.D
Acq On : 16 Apr 2020 17:58
Operator : MA/SJ
Sample : L2245-22 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-21A

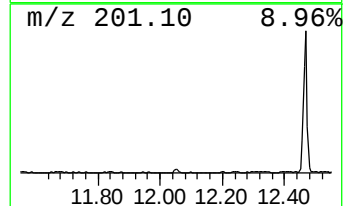
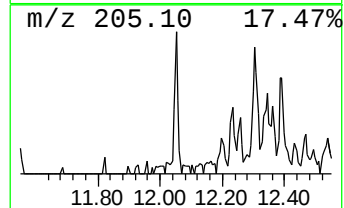
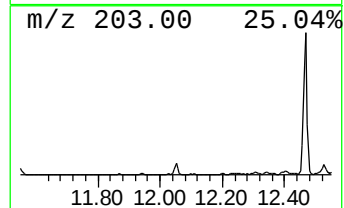
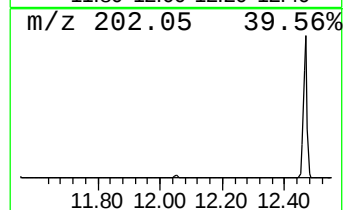
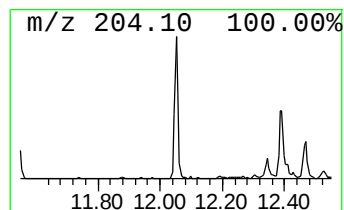
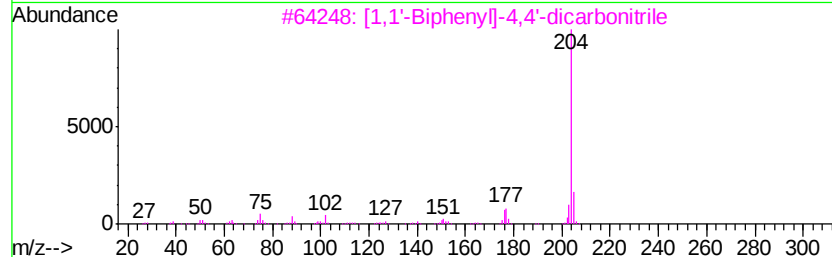
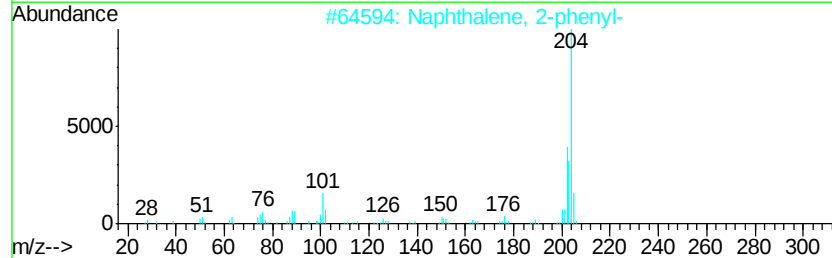
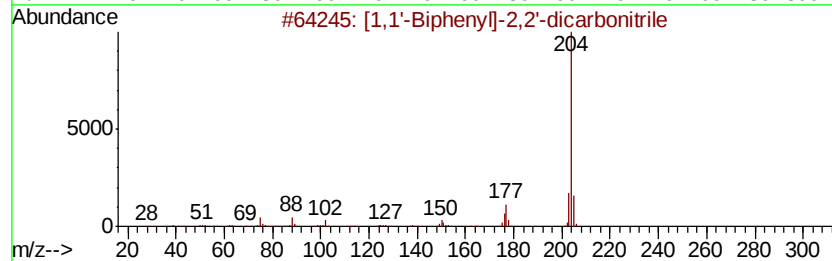
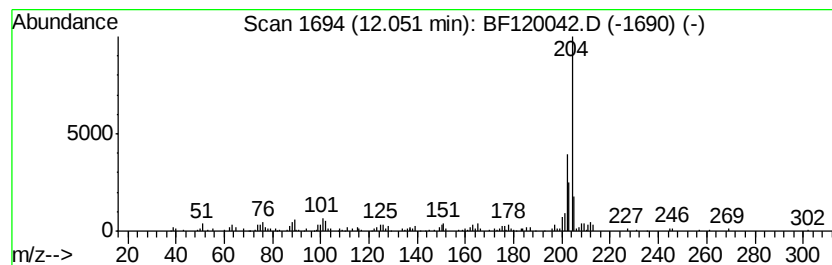
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 [1,1'-Biphenyl]-2,2'-dicarb... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	2.84 ng	123386	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	64
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	55
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
5		Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120042.D
Acq On : 16 Apr 2020 17:58
Operator : MA/SJ
Sample : L2245-22 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

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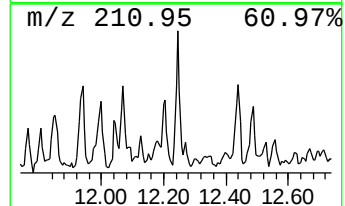
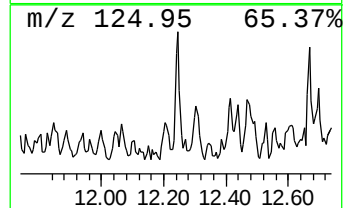
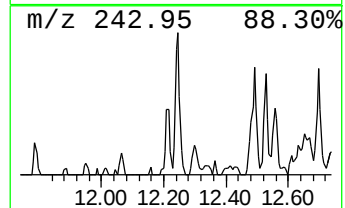
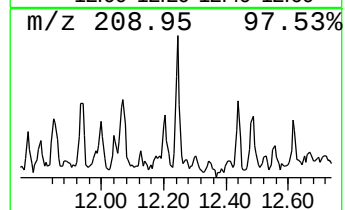
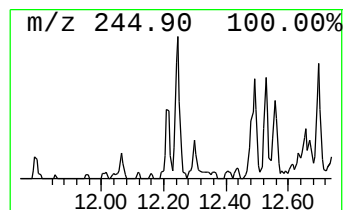
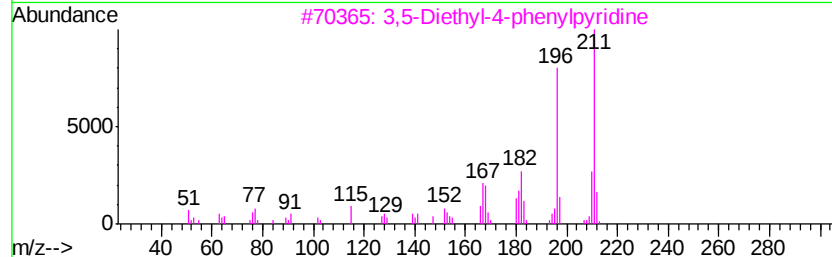
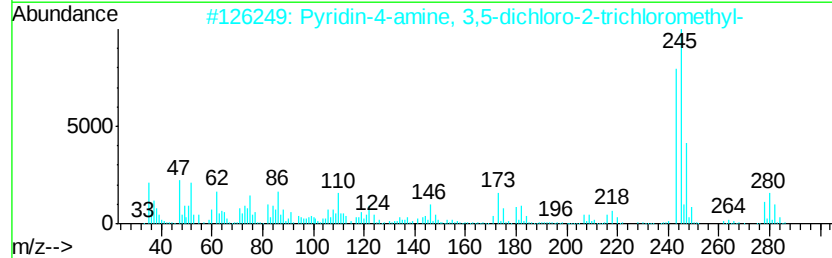
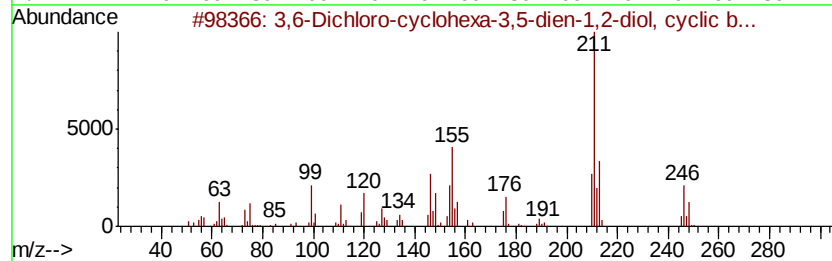
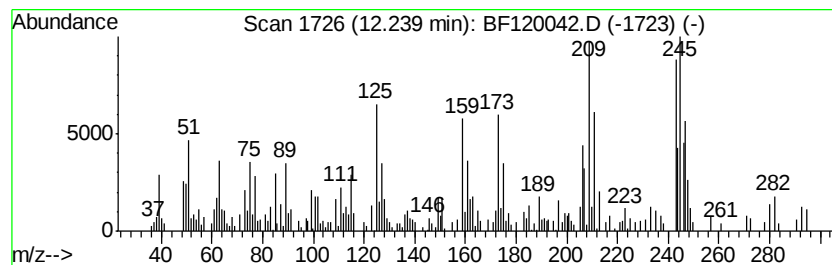
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown12.24 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	6.27 ng	271828	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,6-Dichloro-cyclohexa-3,5-dien-...	246	C10H13BCl2O2	1000293-25-2	30
2		Pyridin-4-amine, 3,5-dichloro-2-...	278	C6H3Cl5N2	014321-05-2	20
3		3,5-Diethyl-4-phenylpyridine	211	C15H17N	073669-44-0	15
4		2-(4-Chlorophenyl)-4-hydroxy-5-m...	209	C9H8ClN3O	203444-18-2	15
5		Quinoline, 4-(2-benzoxazolyl)-	246	C16H10N2O	300804-98-2	15



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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Acq On : 16 Apr 2020 17:58
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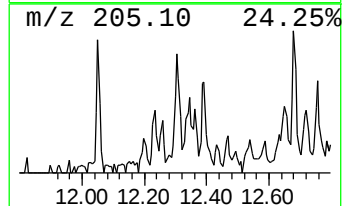
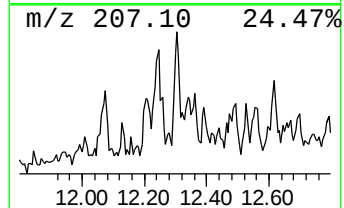
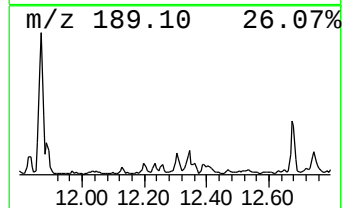
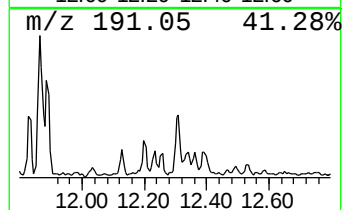
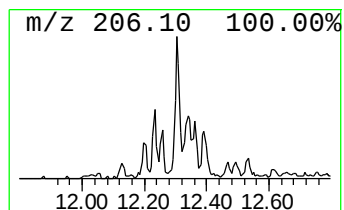
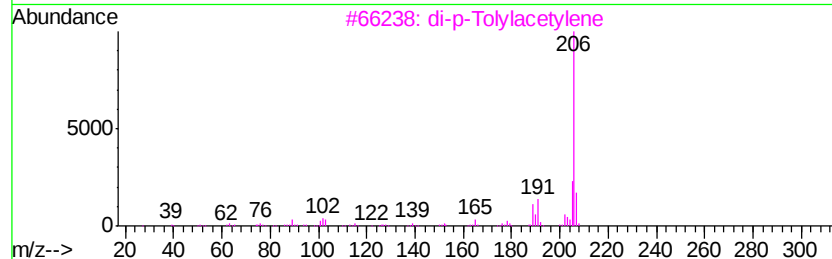
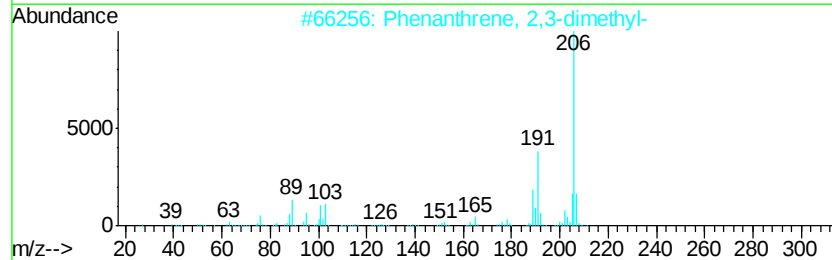
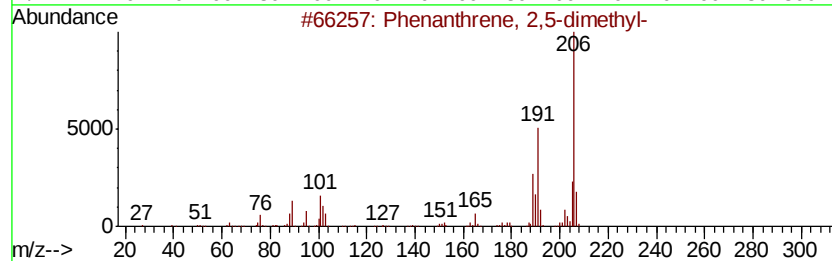
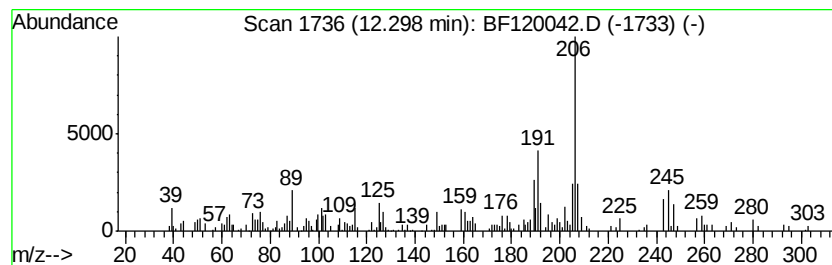
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	4.23 ng	183343	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3		di-p-Tolylacetvlene	206	C16H14	002789-88-0	91
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	90
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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Misc :
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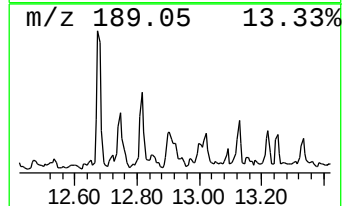
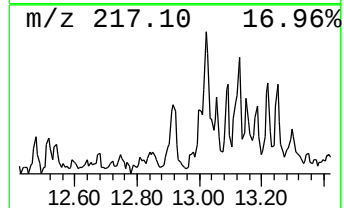
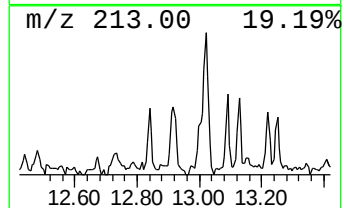
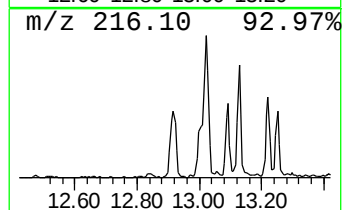
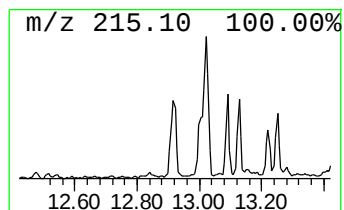
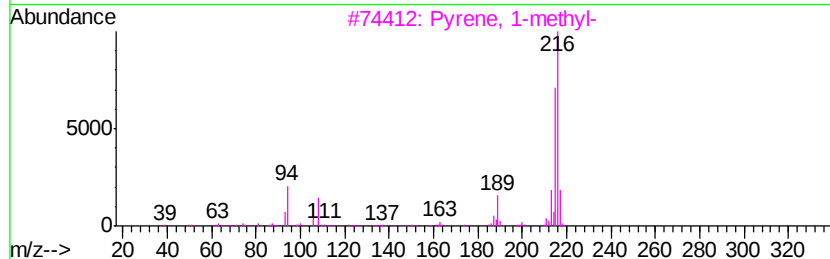
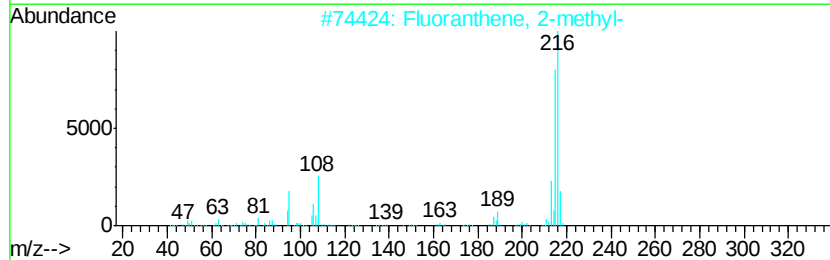
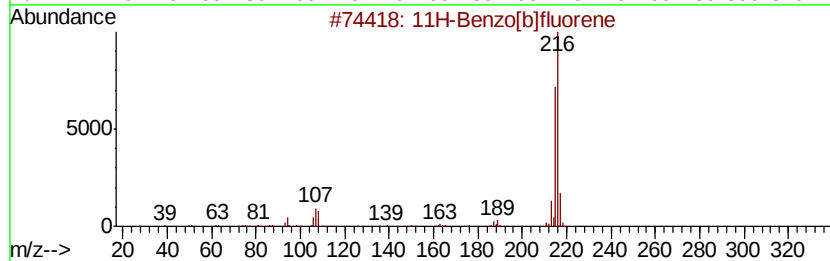
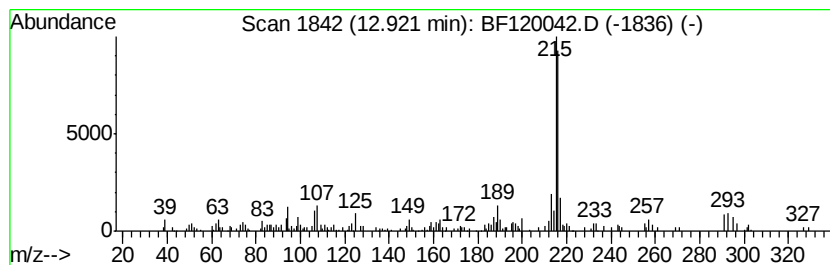
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	2.69 ng	198690	Chrysene-d12	13.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5		2-Chloro-7-phenyltropone	216	C13H9ClO	090128-01-1	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120042.D
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Misc :
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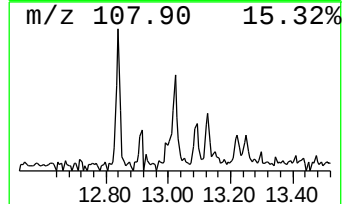
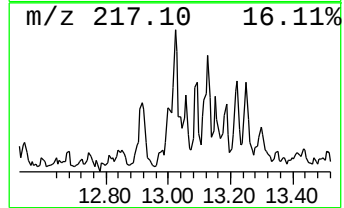
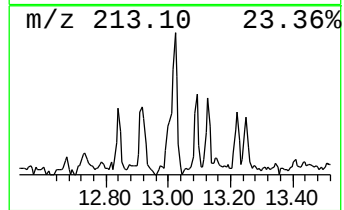
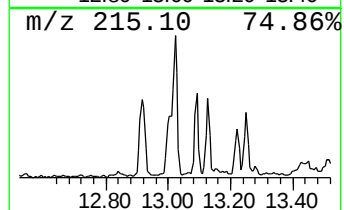
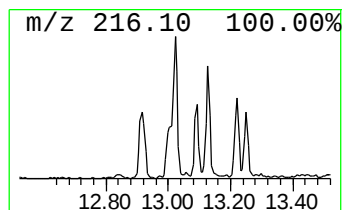
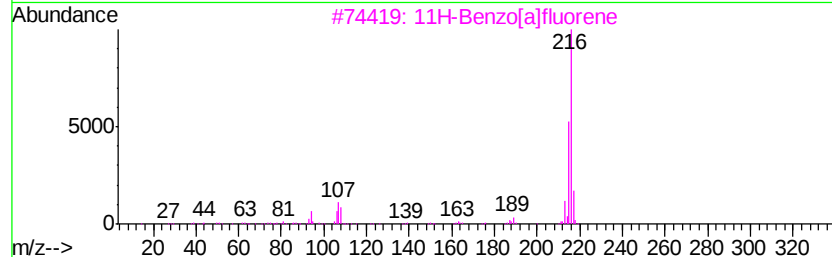
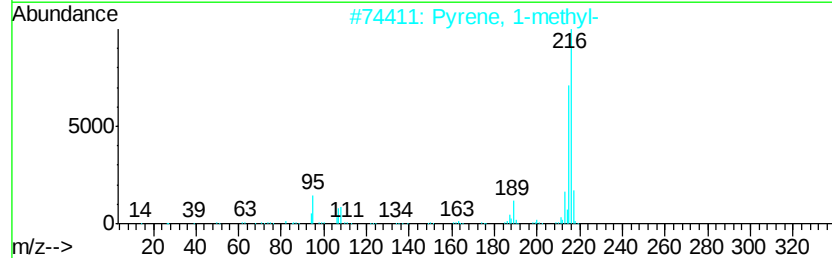
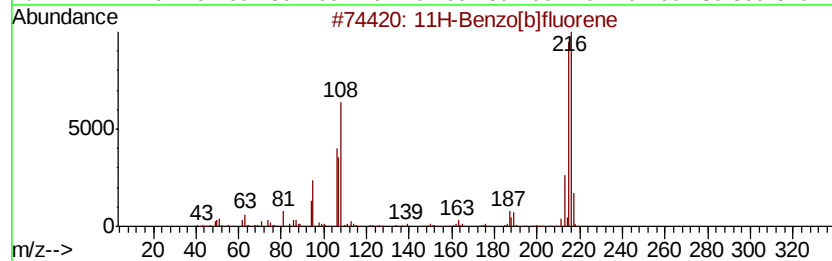
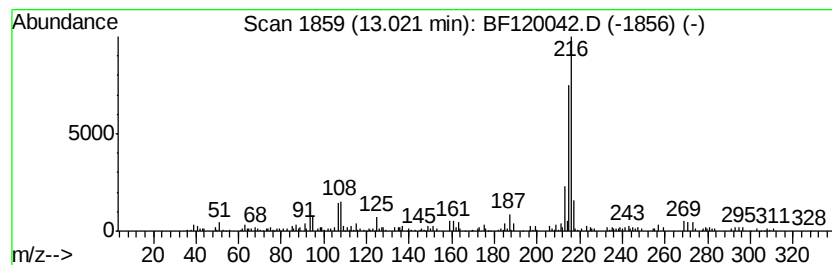
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	3.23 ng	238586	Chrysene-d12	13.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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ClientSampleId :
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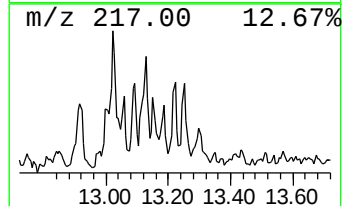
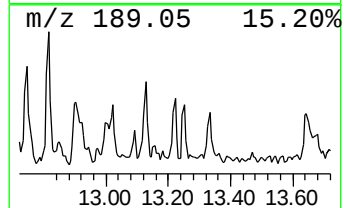
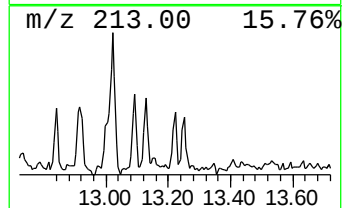
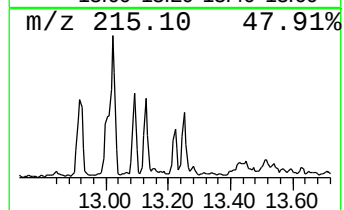
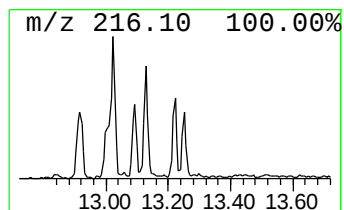
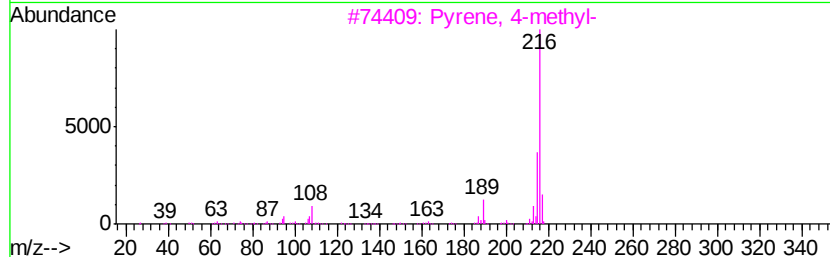
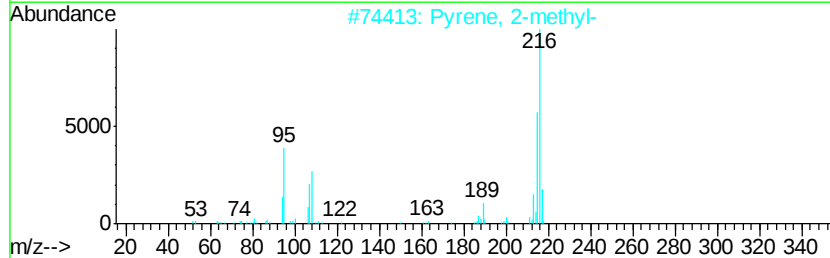
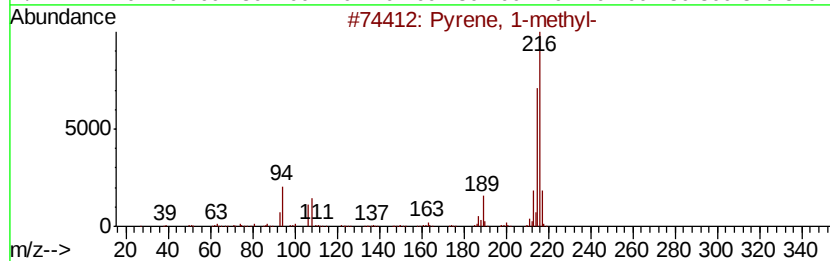
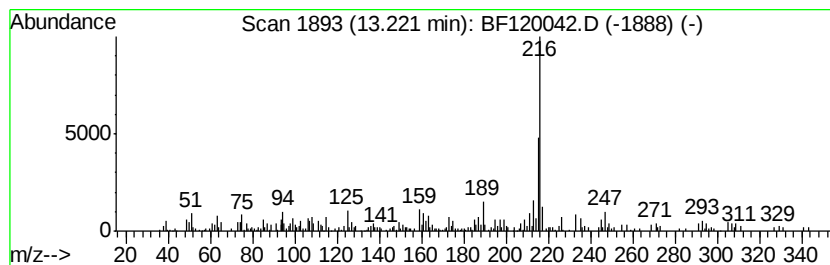
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	3.06 ng	226472	Chrysene-d12	13.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	70
4		Benzoic acid, 3-(5-formyl-2-furyl)-	216	C12H8O4	304884-54-6	62
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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Misc :
ALS Vial : 50 Sample Multiplier: 1

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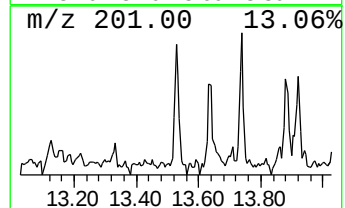
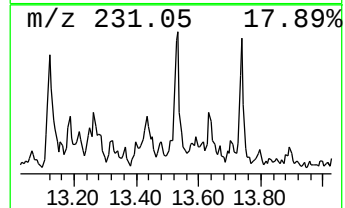
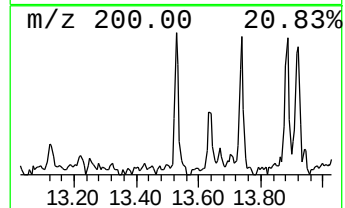
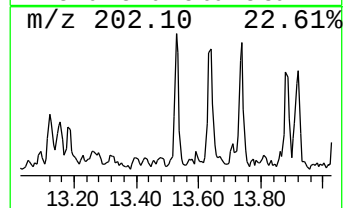
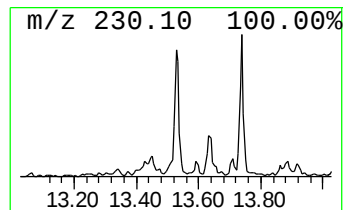
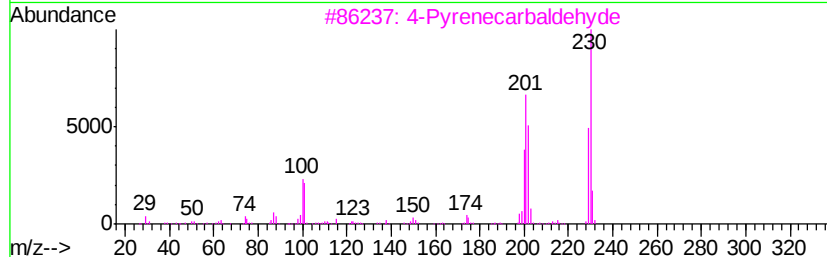
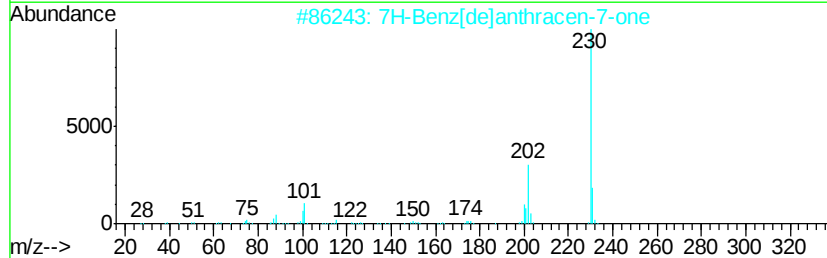
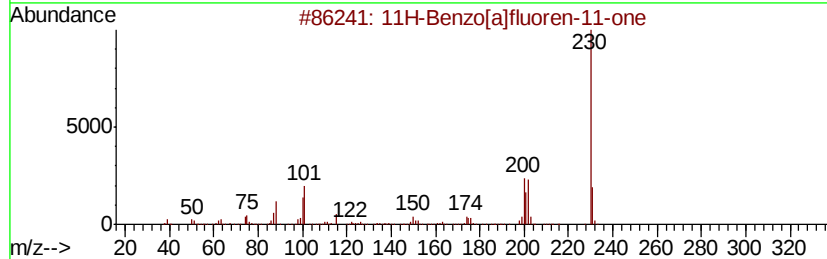
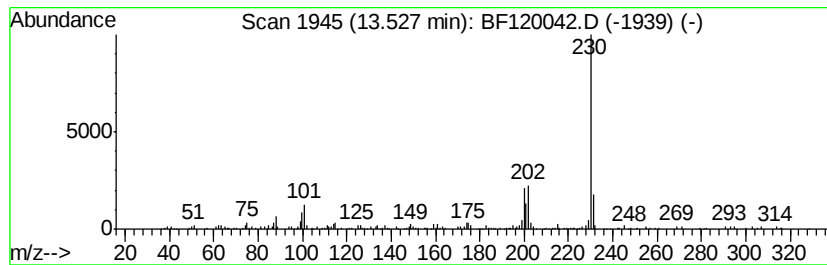
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	2.81 ng	207794	Chrysene-d12	13.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3		4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	83
4		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
5		6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	59



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ALS Vial : 50 Sample Multiplier: 1

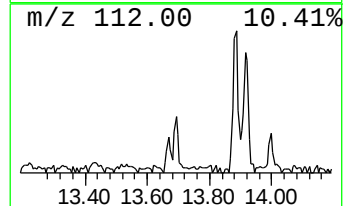
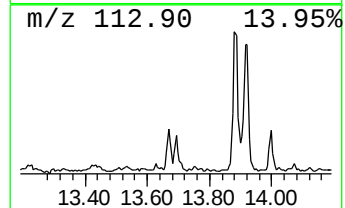
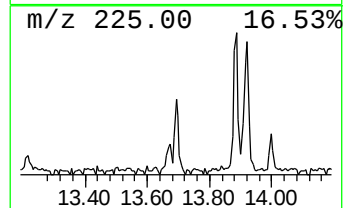
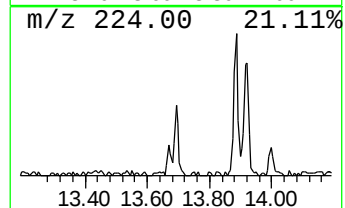
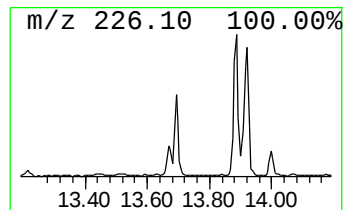
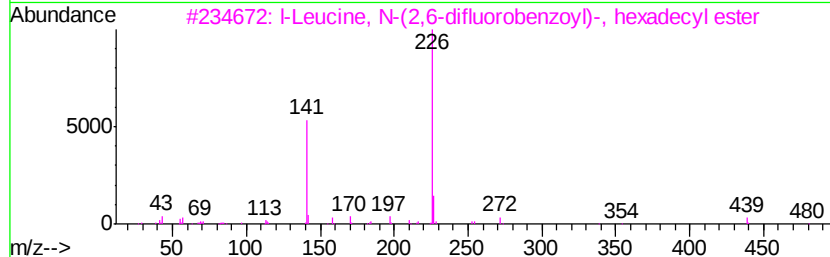
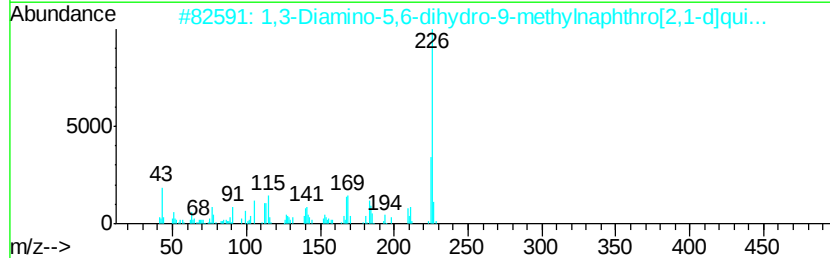
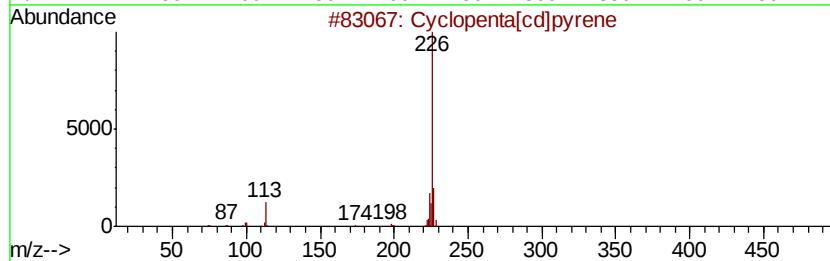
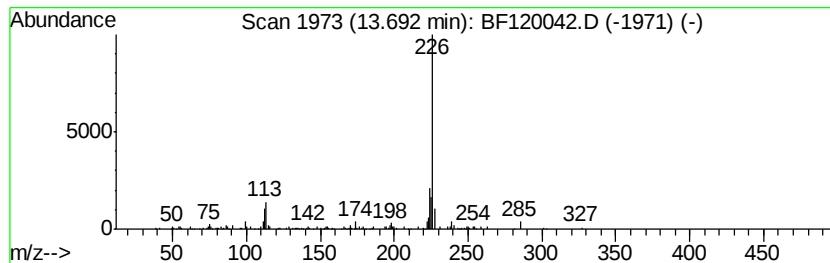
Instrument :
BNA_F
ClientSampleId :
TP-21A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	2.35 ng	173704	Chrysene-d12	13.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 58
2		1,3-Diamino-5,6-dihydro-9-methyl...	226 C13H14N4	037436-39-8 53
3		l-Leucine, N-(2,6-difluorobenzov...	495 C29H47F2N03	1000327-75-3 47
4		Benzene, [4-(3-ethynylphenyl)-1,...	226 C18H10	1000115-87-3 38
5		Anthracene, 1,8-diethynyl-	226 C18H10	078053-58-4 32



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120042.D
Acq On : 16 Apr 2020 17:58
Operator : MA/SJ
Sample : L2245-22 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-21A

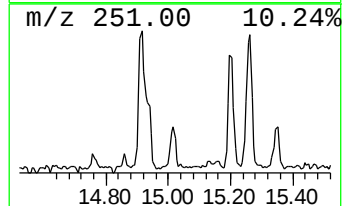
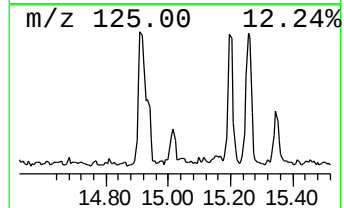
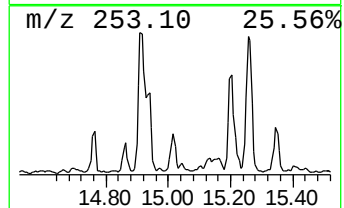
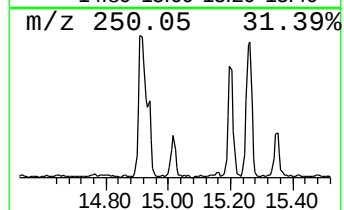
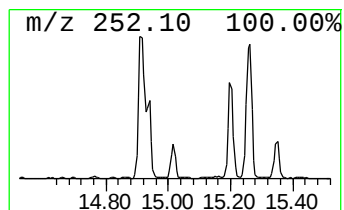
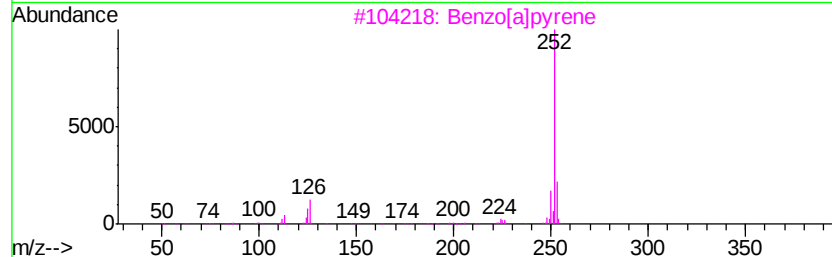
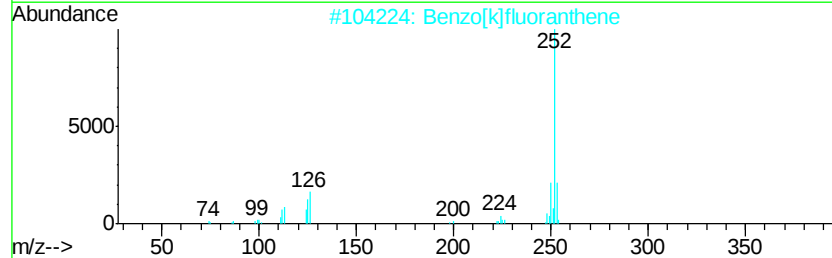
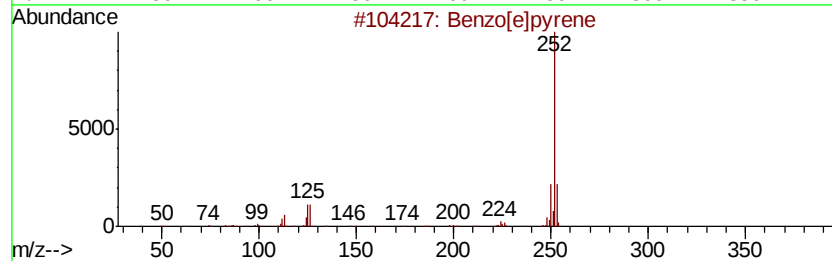
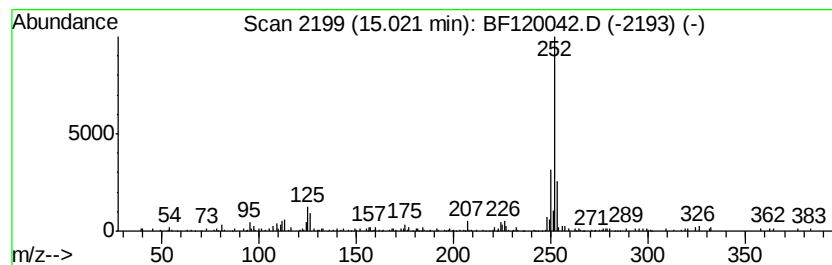
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	4.56 ng	139489	Perylene-d12	15.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	96
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3			Benzo[a]pyrene	252	C20H12	000050-32-8	90
4			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
5			Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120042.D
Acq On : 16 Apr 2020 17:58
Operator : MA/SJ
Sample : L2245-22 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-21A

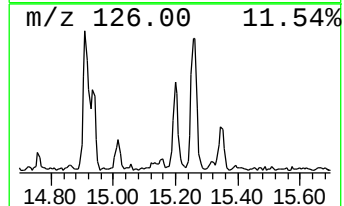
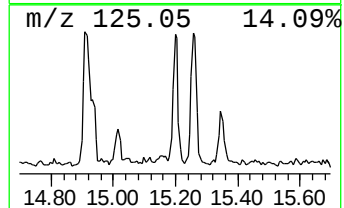
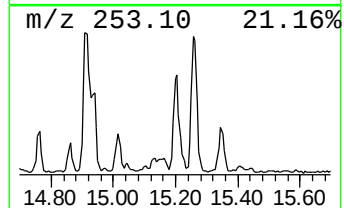
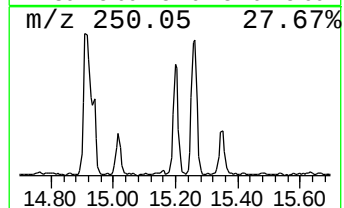
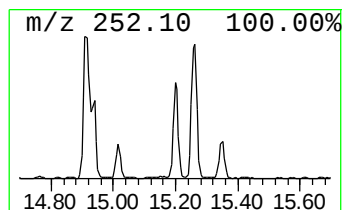
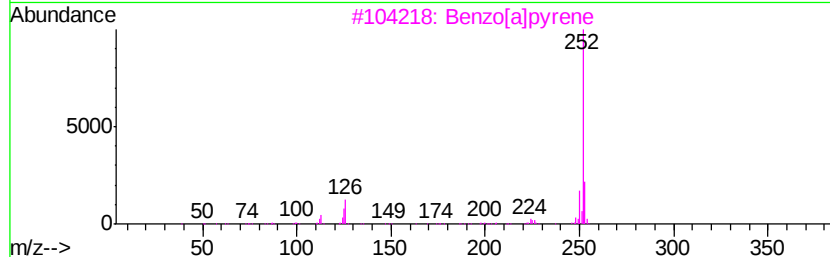
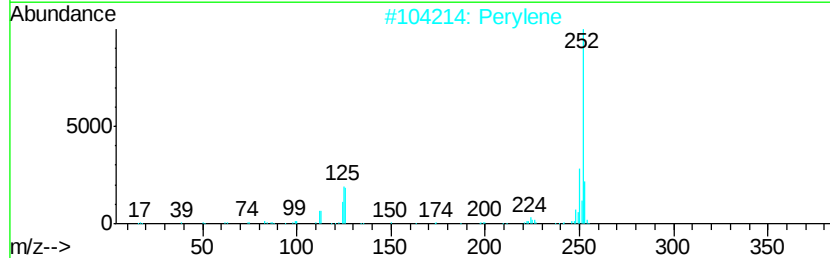
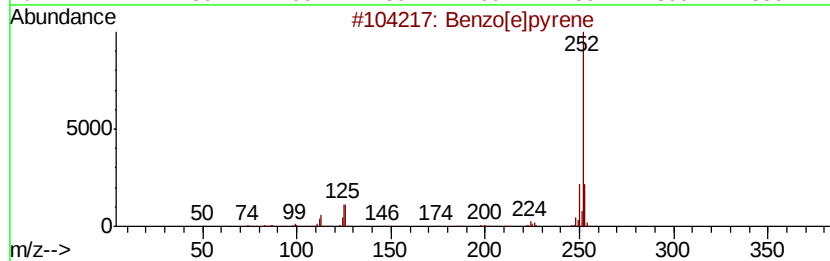
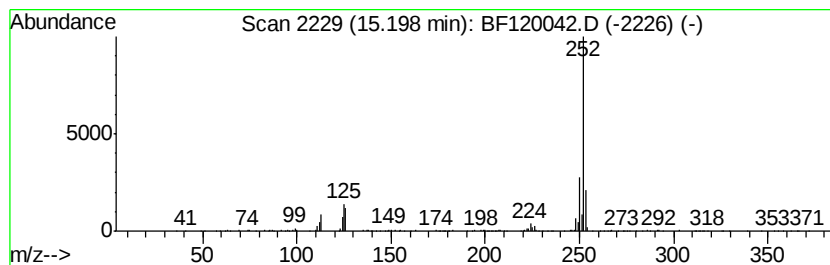
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	12.12 ng	370497	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[el]pvrene	252	C20H12	000192-97-2	99
2		Perylene	252	C20H12	000198-55-0	93
3		Benzo[al]pvrene	252	C20H12	000050-32-8	93
4		Benzo[el]acephenanthrylene	252	C20H12	000205-99-2	90
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041620\
 Data File : BF120042.D
 Acq On : 16 Apr 2020 17:58
 Operator : MA/SJ
 Sample : L2245-22 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-21A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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
Cyclopentanone, 2...	5.58	2.5 ng		104283	1	6.72	823811	20.0
3-Methyl-4-(metho...	10.68	3.1 ng		135356	4	11.25	867488	20.0
Naphtho[2,1-b]thi...	11.15	2.3 ng		98086	4	11.25	867488	20.0
unknown11.56	11.56	2.3 ng		100967	4	11.25	867488	20.0
Anthracene, 9-met...	11.76	3.6 ng		157158	4	11.25	867488	20.0
Phenanthrene, 2-m...	11.79	9.0 ng		391134	4	11.25	867488	20.0
Phenanthrene, 1-m...	11.83	2.4 ng		101742	4	11.25	867488	20.0
Benzaldehyde, 3,5...	11.86	5.5 ng		236682	4	11.25	867488	20.0
Naphtho[1,2-b]nor...	11.89	2.8 ng		120822	4	11.25	867488	20.0
[1,1'-Biphenyl]-2...	12.05	2.8 ng		123386	4	11.25	867488	20.0
unknown12.24	12.24	6.3 ng		271828	4	11.25	867488	20.0
Phenanthrene, 2,5...	12.30	4.2 ng		183343	4	11.25	867488	20.0
11H-Benzo[b]fluorene	12.92	2.7 ng		198690	5	13.89	1479320	20.0
Pyrene, 1-methyl-	13.02	3.2 ng		238586	5	13.89	1479320	20.0
Pyrene, 2-methyl-	13.22	3.1 ng		226472	5	13.89	1479320	20.0
11H-Benzo[a]fluor...	13.53	2.8 ng		207794	5	13.89	1479320	20.0
Cyclopenta[cd]pyrene	13.69	2.4 ng		173704	5	13.89	1479320	20.0
Benzo[e]pyrene	15.02	4.6 ng		139489	6	15.32	611411	20.0
Perylene	15.20	12.1 ng		370497	6	15.32	611411	20.0