

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112092.D
 Acq On : 17 Jan 2019 16:32
 Operator : JU/SJ
 Sample : K1156-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-7

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-BF011619.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	5.075	504	508	515	rVB	274801	326178	3.29%	0.223%
2	5.498	576	580	595	rVB	5354451	4970660	50.08%	3.402%
3	6.504	746	751	765	rBV	5383836	5660784	57.04%	3.874%
4	6.634	769	773	777	rBV	5543813	5528485	55.70%	3.783%
5	6.863	808	812	819	rBV	1958547	1709383	17.22%	1.170%
6	7.016	834	838	842	rBV	4551329	4273214	43.06%	2.924%
7	7.422	897	907	910	rBV	3630530	3355016	33.80%	2.296%
8	8.145	1024	1030	1032	rBV	2407589	2291195	23.09%	1.568%
9	8.163	1032	1033	1037	rVV	741877	505413	5.09%	0.346%
10	8.563	1098	1101	1104	rBV	184344	180804	1.82%	0.124%
11	8.857	1148	1151	1154	rVB	608046	457835	4.61%	0.313%
12	8.957	1164	1168	1172	rVB	541048	507213	5.11%	0.347%
13	9.163	1201	1203	1208	rVB	262228	223186	2.25%	0.153%
14	9.216	1208	1212	1215	rBV	6683751	5521446	55.63%	3.779%
15	9.316	1222	1229	1235	rBV2	236758	454890	4.58%	0.311%
16	9.486	1253	1258	1261	rVB	302956	418152	4.21%	0.286%
17	9.557	1266	1270	1272	rVV	582541	566553	5.71%	0.388%
18	9.581	1272	1274	1276	rVV	370194	316021	3.18%	0.216%
19	9.604	1276	1278	1283	rVV2	540927	680534	6.86%	0.466%
20	9.675	1287	1290	1295	rVB	289767	296707	2.99%	0.203%
21	9.757	1301	1304	1309	rVB	251055	224209	2.26%	0.153%
22	9.898	1325	1328	1331	rVV	2639612	2215568	22.32%	1.516%
23	9.933	1331	1334	1337	rVV	1586076	1430356	14.41%	0.979%
24	10.057	1351	1355	1359	rVV3	156377	207455	2.09%	0.142%
25	10.104	1359	1363	1367	rVV	1156907	1097238	11.06%	0.751%
26	10.139	1367	1369	1375	rVB3	227946	234973	2.37%	0.161%
27	10.216	1379	1382	1384	rBV	233046	221148	2.23%	0.151%
28	10.304	1393	1397	1399	rBV2	183251	220426	2.22%	0.151%
29	10.445	1417	1421	1426	rBV	1821156	1545030	15.57%	1.057%
30	10.533	1434	1436	1438	rBV	267682	213037	2.15%	0.146%
31	10.604	1445	1448	1451	rVB	528168	484101	4.88%	0.331%
32	10.686	1458	1462	1466	rBV	3747491	3541552	35.68%	2.424%
33	10.810	1478	1483	1487	rVB2	290467	372190	3.75%	0.255%
34	10.992	1508	1514	1517	rBV3	426356	596199	6.01%	0.408%

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35	11.022	1517	1519	1522	rVV2	255388	229468	2.31%	0.157%
36	11.122	1531	1536	1538	rBV3	290896	382414	3.85%	0.262%
37	11.145	1538	1540	1545	rVV	320354	366791	3.70%	0.251%
38	11.186	1545	1547	1551	rVV	497293	491928	4.96%	0.337%
39	11.233	1552	1555	1560	rVV3	315005	524240	5.28%	0.359%
40	11.280	1560	1563	1569	rVB	958572	873416	8.80%	0.598%
41	11.386	1577	1581	1583	rBV	1960578	2101946	21.18%	1.438%
42	11.416	1583	1586	1589	rVV	8930337	9144962	92.14%	6.258%
43	11.463	1591	1594	1597	rVV	3764192	3022700	30.46%	2.069%
44	11.492	1597	1599	1602	rVB2	314581	274980	2.77%	0.188%
45	11.616	1614	1620	1622	rBV2	865036	1000232	10.08%	0.685%
46	11.675	1627	1630	1634	rVV3	317106	326776	3.29%	0.224%
47	11.716	1634	1637	1642	rVB4	276444	294805	2.97%	0.202%
48	11.886	1661	1666	1669	rBV	1406538	1366640	13.77%	0.935%
49	11.916	1669	1671	1675	rVB	2025883	1635547	16.48%	1.119%
50	11.963	1675	1679	1682	rBV	910706	788665	7.95%	0.540%
51	12.004	1682	1686	1688	rVV	1857020	2238259	22.55%	1.532%
52	12.022	1688	1689	1693	rVB	977417	563458	5.68%	0.386%
53	12.180	1713	1716	1718	rBV	1032317	792562	7.99%	0.542%
54	12.204	1718	1720	1724	rVB2	491151	449380	4.53%	0.308%
55	12.333	1737	1742	1744	rBV	289227	326472	3.29%	0.223%
56	12.363	1744	1747	1749	rBV	280886	217316	2.19%	0.149%
57	12.386	1749	1751	1754	rVB	275617	211544	2.13%	0.145%
58	12.439	1754	1760	1763	rBV	605908	821529	8.28%	0.562%
59	12.474	1763	1766	1768	rVV2	397500	469692	4.73%	0.321%
60	12.527	1772	1775	1780	rVB2	486684	566270	5.71%	0.388%
61	12.610	1784	1789	1792	rBV	8602947	9088577	91.57%	6.220%
62	12.663	1796	1798	1801	rVB2	267006	225095	2.27%	0.154%
63	12.733	1806	1810	1811	rBV3	178916	236196	2.38%	0.162%
64	12.751	1811	1813	1816	rVB	353169	302036	3.04%	0.207%
65	12.839	1821	1828	1832	rBV2	7353625	9924946	100.00%	6.792%
66	12.880	1832	1835	1840	rVB2	477920	576345	5.81%	0.394%
67	12.969	1843	1850	1853	rBV2	4979241	5262579	53.02%	3.601%
68	13.051	1858	1864	1867	rBV3	643473	1144270	11.53%	0.783%
69	13.133	1875	1878	1879	rBV3	425518	376198	3.79%	0.257%
70	13.157	1879	1882	1885	rVB	1434704	1351823	13.62%	0.925%
71	13.192	1885	1888	1891	rBV3	136829	213856	2.15%	0.146%

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72	13.221	1891	1893	1896	rBV	706882	610680	6.15%	0.418%
73	13.263	1896	1900	1903	rBV2	990155	1117783	11.26%	0.765%
74	13.316	1907	1909	1912	rBV2	206057	184599	1.86%	0.126%
75	13.357	1913	1916	1918	rBV	403923	366049	3.69%	0.251%
76	13.386	1918	1921	1924	rBV2	544042	536916	5.41%	0.367%
77	13.539	1943	1947	1949	rBV3	288840	379559	3.82%	0.260%
78	13.663	1966	1968	1973	rVB	728324	764837	7.71%	0.523%
79	13.774	1983	1987	1990	rBV2	750232	939128	9.46%	0.643%
80	13.804	1990	1992	1994	rVV	863914	699426	7.05%	0.479%
81	13.827	1994	1996	2000	rVV2	576409	910868	9.18%	0.623%
82	13.874	2001	2004	2010	rVB	919723	1053961	10.62%	0.721%
83	13.945	2014	2016	2022	rVB3	191057	256025	2.58%	0.175%
84	14.021	2022	2029	2033	rBV3	4963593	7777818	78.37%	5.323%
85	14.057	2033	2035	2042	rVB	4111247	3906073	39.36%	2.673%
86	14.133	2046	2048	2052	rVB	556909	504620	5.08%	0.345%
87	14.216	2060	2062	2065	rVB	387020	334304	3.37%	0.229%
88	14.251	2065	2068	2072	rBV2	425059	542044	5.46%	0.371%
89	14.416	2093	2096	2099	rVV	990824	882687	8.89%	0.604%
90	14.451	2099	2102	2105	rVB	418377	383273	3.86%	0.262%
91	14.492	2106	2109	2111	rVV3	321743	392370	3.95%	0.269%
92	14.539	2115	2117	2119	rVV	390123	374427	3.77%	0.256%
93	14.563	2119	2121	2124	rVB2	365801	306096	3.08%	0.209%
94	15.080	2204	2209	2212	rBV	2588490	4358576	43.92%	2.983%
95	15.186	2224	2227	2230	rVB	515287	515027	5.19%	0.352%
96	15.380	2257	2260	2266	rVB	1374816	1886350	19.01%	1.291%
97	15.445	2267	2271	2276	rVB	2192570	2766294	27.87%	1.893%
98	15.510	2277	2282	2285	rBV	1240614	1770857	17.84%	1.212%
99	16.992	2528	2534	2541	rVB2	829727	1547286	15.59%	1.059%
100	17.439	2605	2610	2617	rVB	522959	1025356	10.33%	0.702%

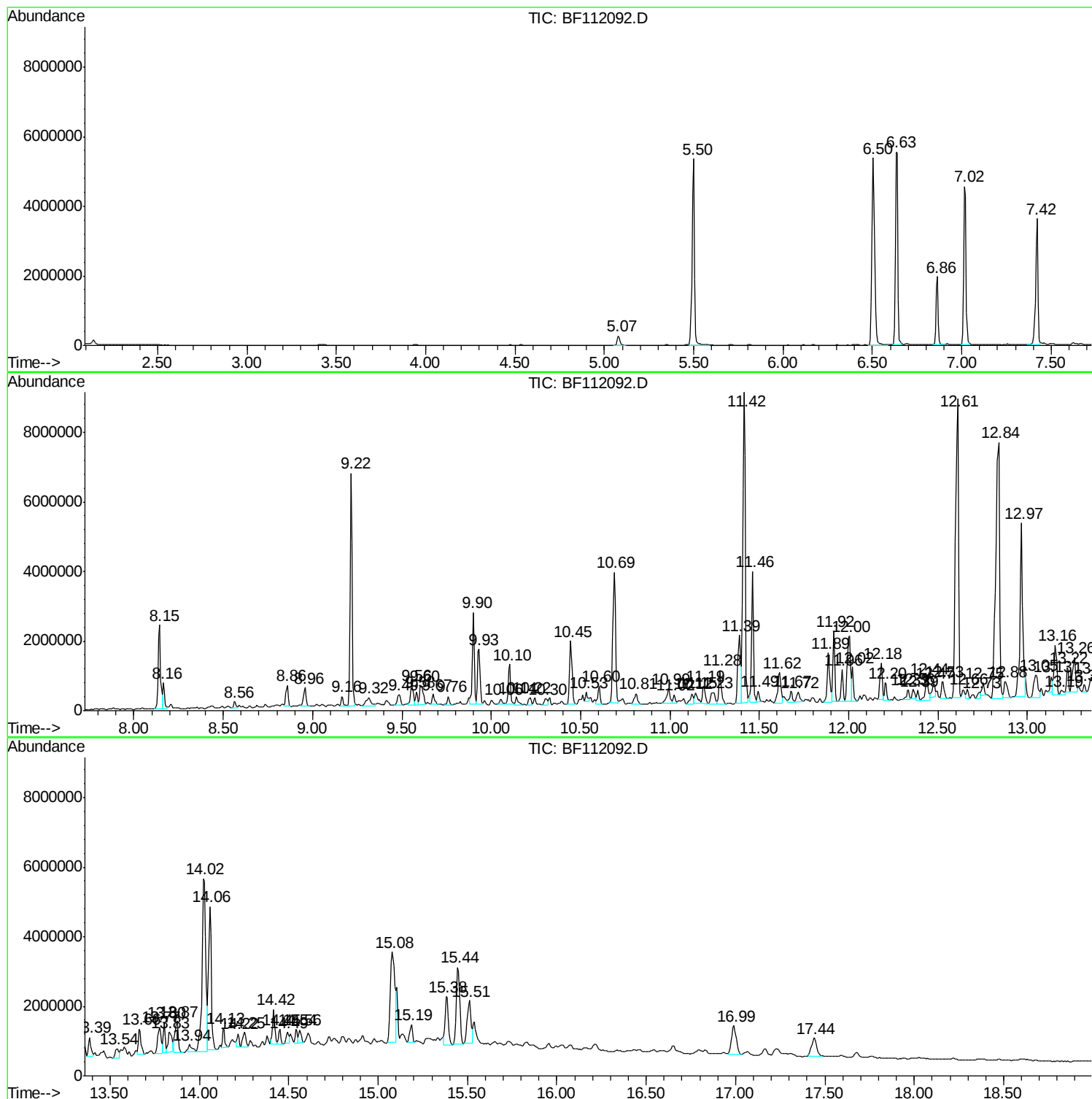
Sum of corrected areas: 146124353

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.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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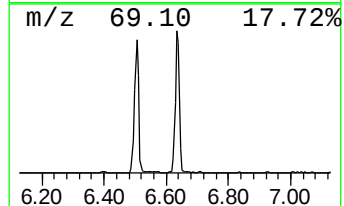
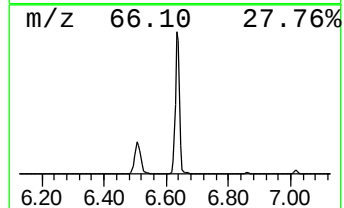
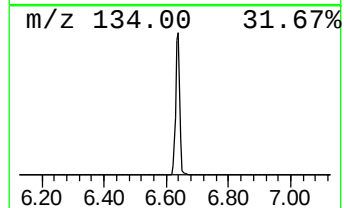
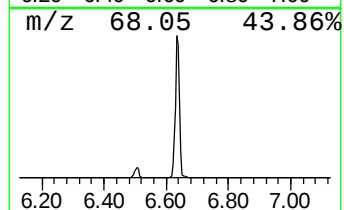
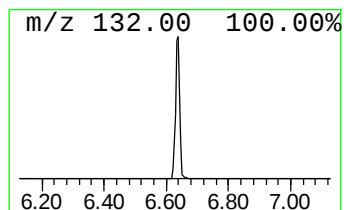
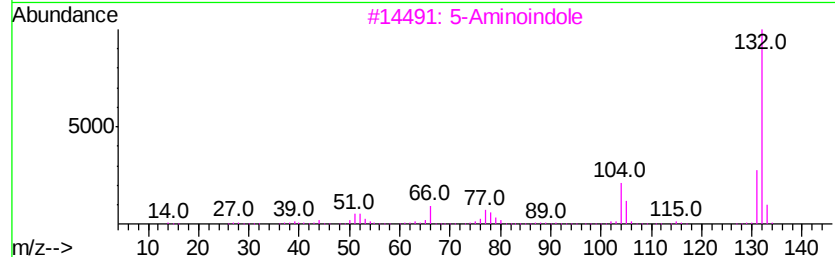
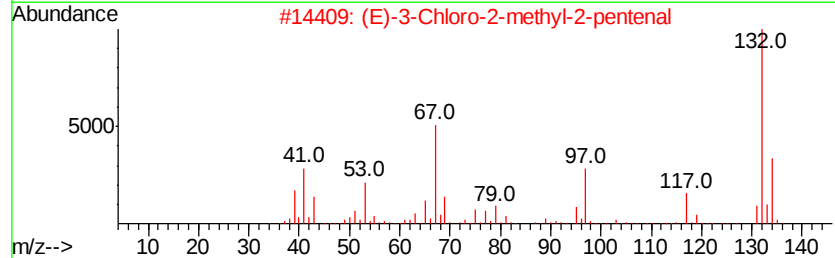
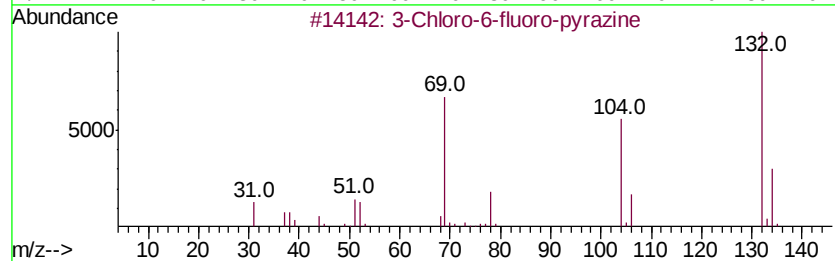
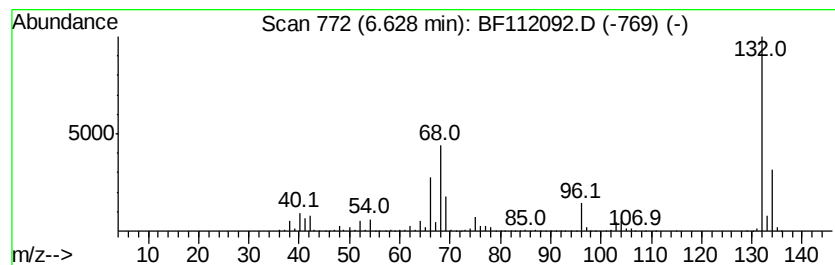
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	64.68 ng	5528490	1,4-Dichlorobenzene-d4	6.86

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		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Amphetaminil	250	C17H18N2	017590-01-1	10
5		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10



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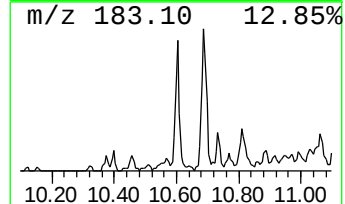
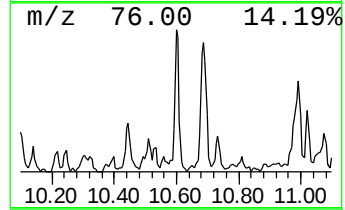
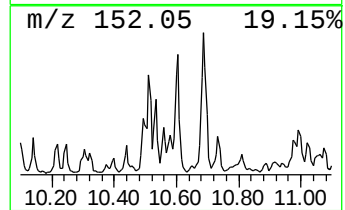
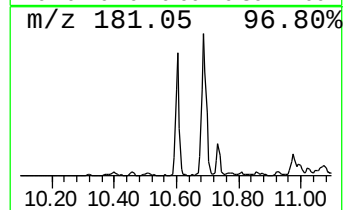
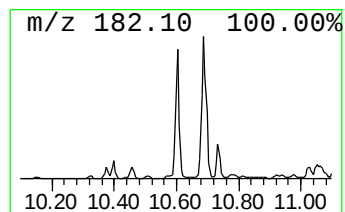
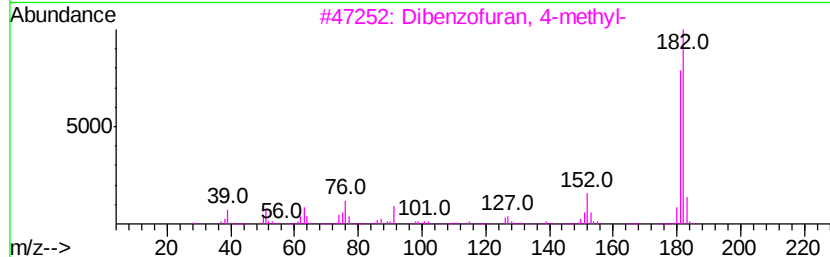
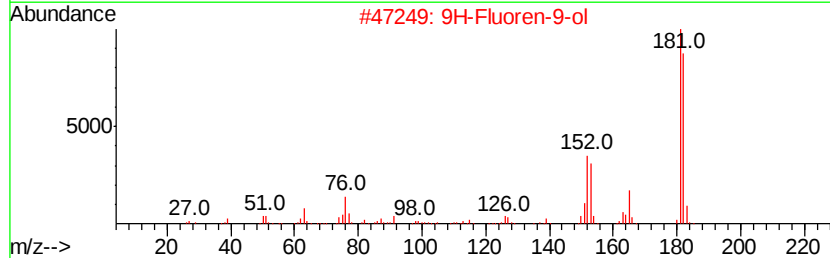
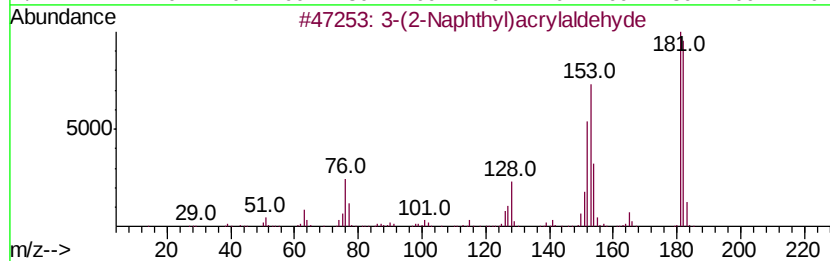
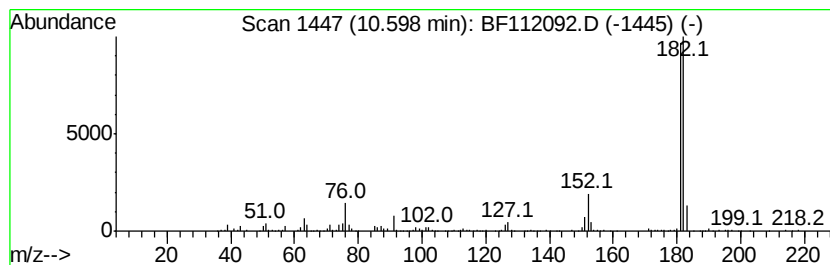
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 3-(2-Naphthyl)acrylaldehyde Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.60	4.37 ng	484101	Acenaphthene-d10	9.90	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
4	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72



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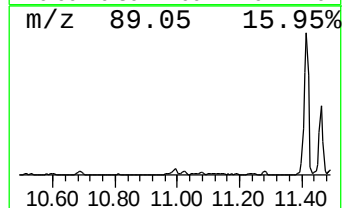
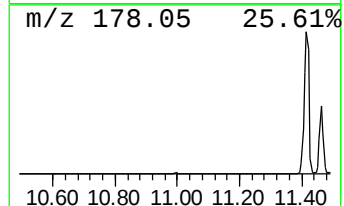
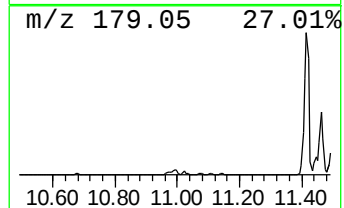
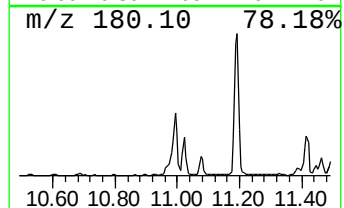
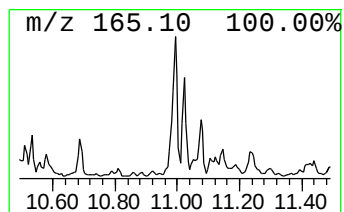
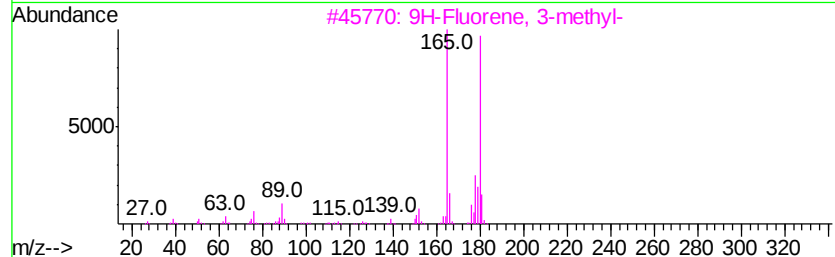
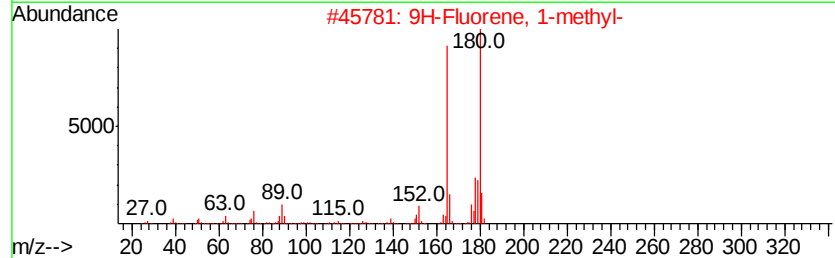
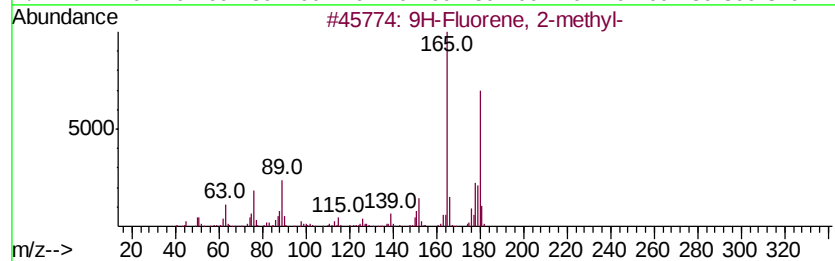
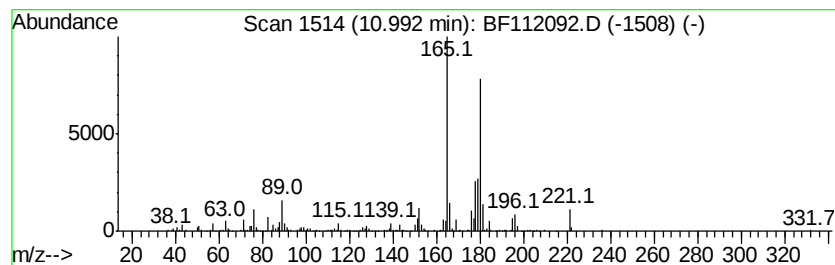
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TIC Integration Parameters: LSCINT.P

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	5.67 ng	596199	Phenanthrene-d10	11.39

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-		180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-		180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-		180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-		180	C14H12	002523-37-7	94
5	4a,9a-Methano-9H-fluorene		180	C14H12	019540-84-2	70



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Data File : BF112092.D
Acq On : 17 Jan 2019 16:32
Operator : JU/SJ
Sample : K1156-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

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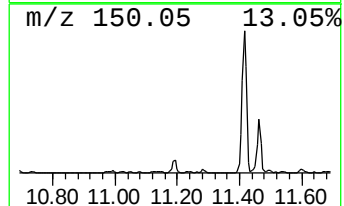
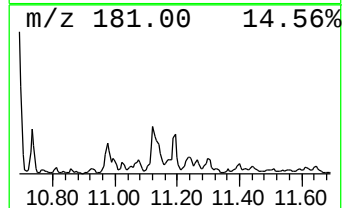
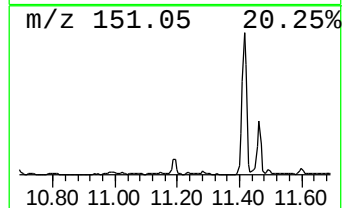
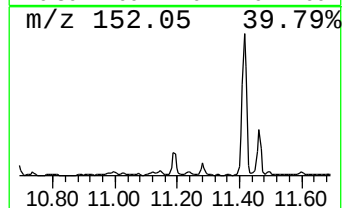
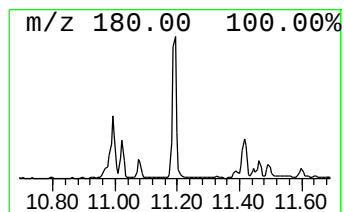
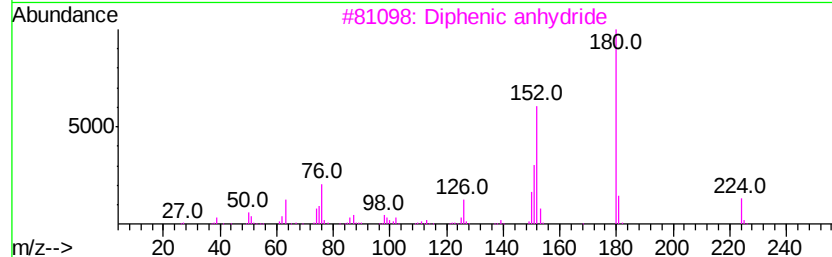
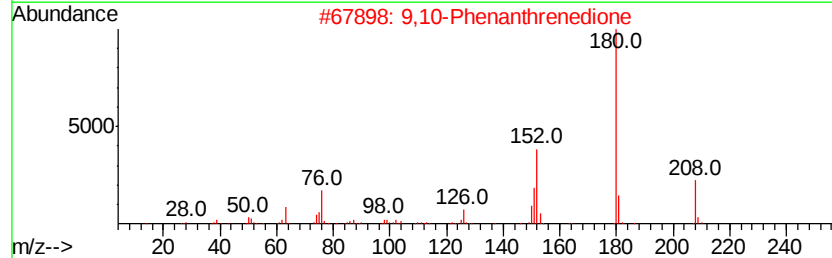
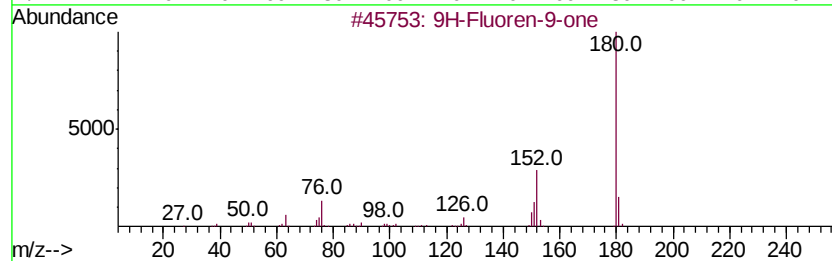
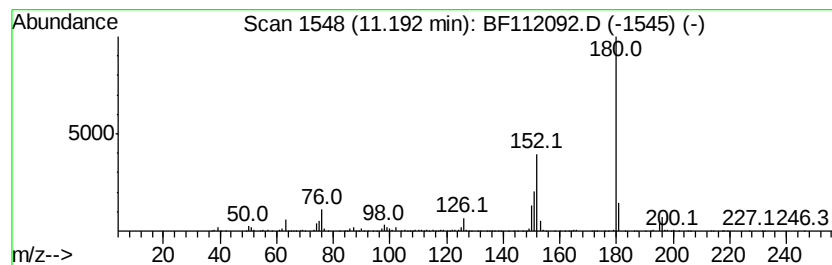
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	4.68 ng	491928	Phenanthrene-d10	11.39

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
3		Diphenic anhydride	224	C14H8O3	006050-13-1	68
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5		2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50



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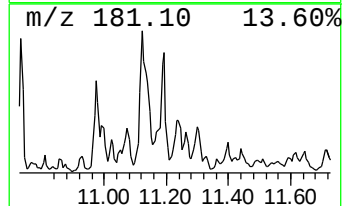
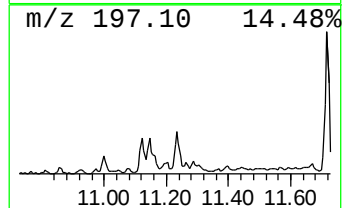
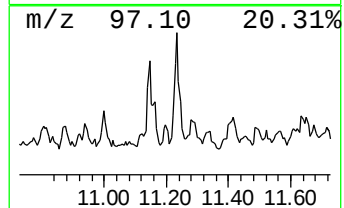
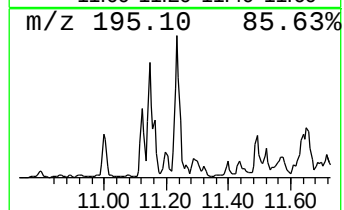
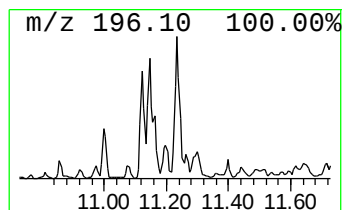
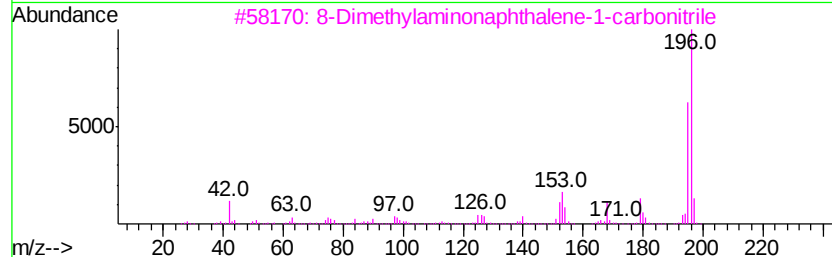
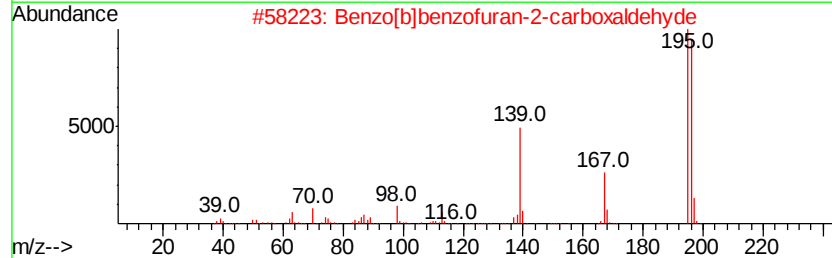
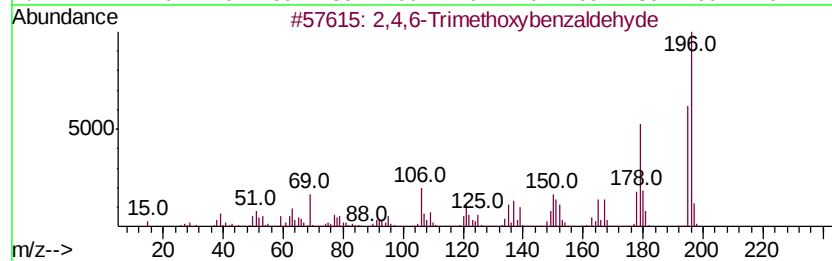
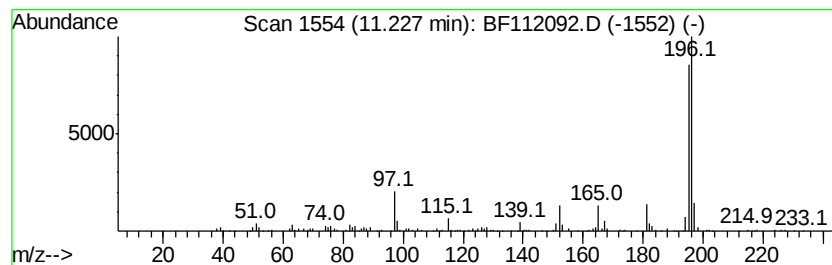
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2,4,6-Trimethoxybenzaldehyde Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.23	4.99 ng	524240	Phenanthrene-d10	11.39		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	72	
2	Benzo[blbenzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	68	
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64	
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62	
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
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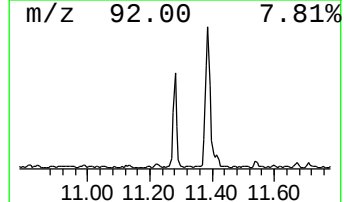
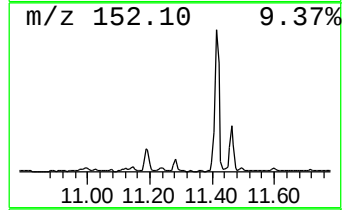
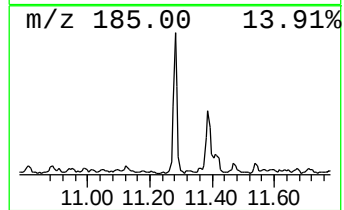
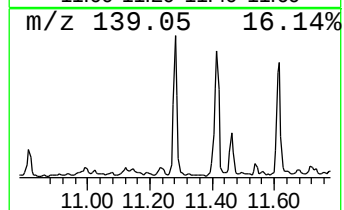
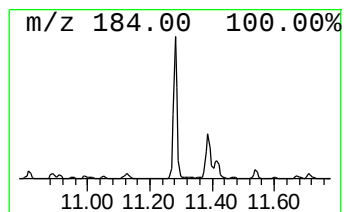
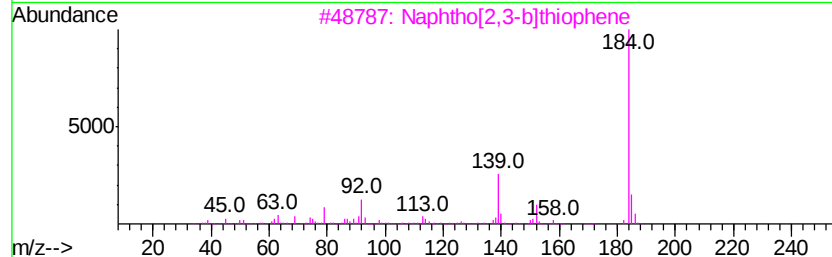
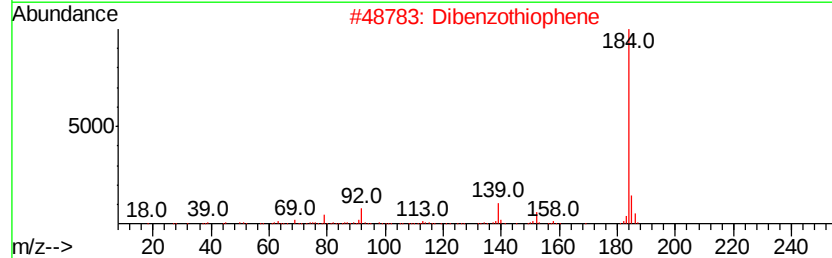
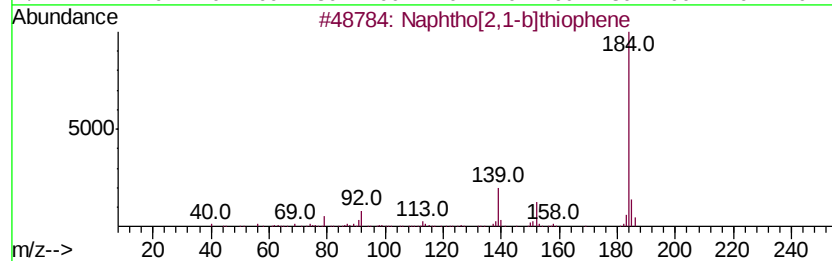
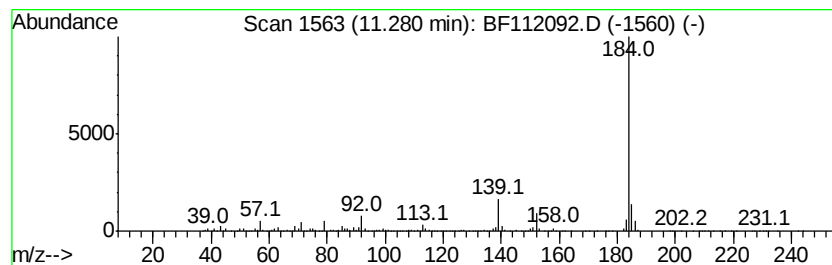
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphtho[2,1-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	8.31 ng	873416	Phenanthrene-d10	11.39
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphtho[2,1-b]thiophene	184 C12H8S	000233-02-3 95
2		Dibenzothiophene	184 C12H8S	000132-65-0 95
3		Naphtho[2,3-b]thiophene	184 C12H8S	000268-77-9 95
4		Azuleno(2,1-b)thiophene	184 C12H8S	000248-13-5 91
5		1,1'-Biphenyl, 2-methoxy-	184 C13H12O	000086-26-0 72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
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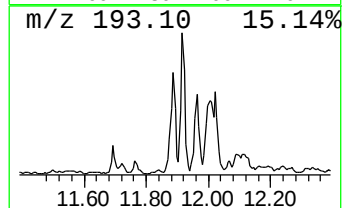
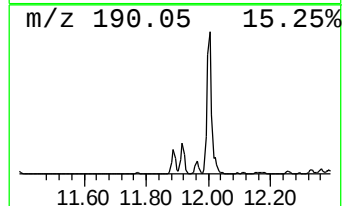
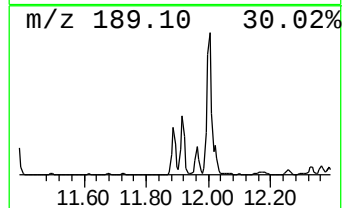
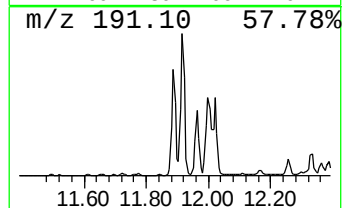
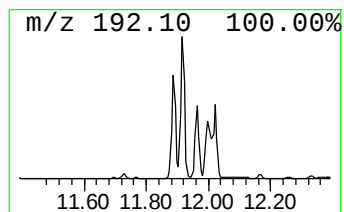
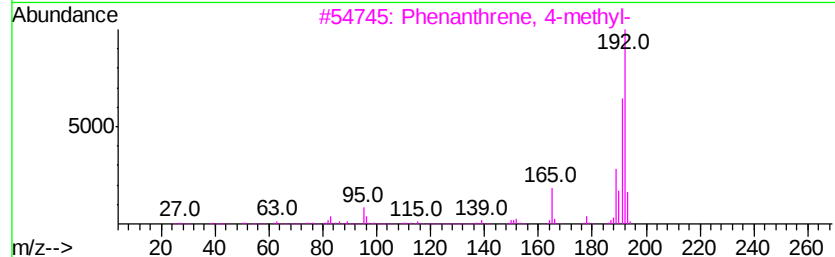
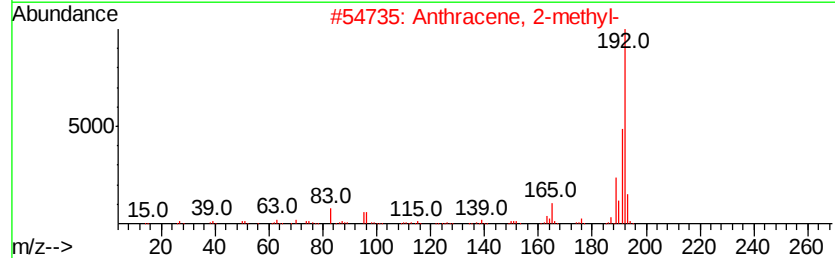
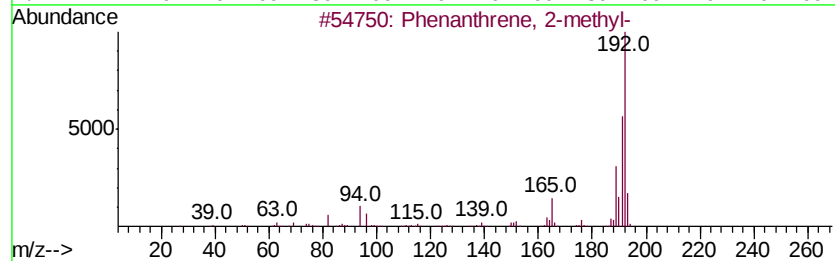
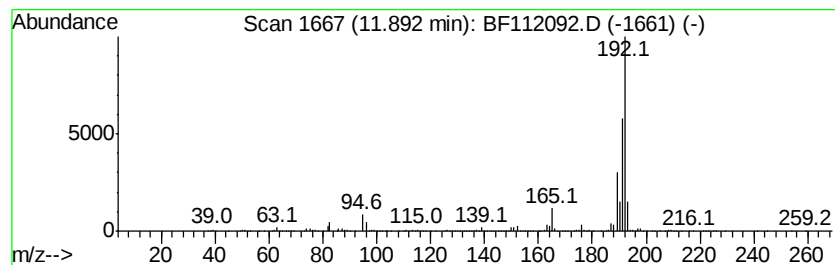
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.89	13.00 ng	1366640	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
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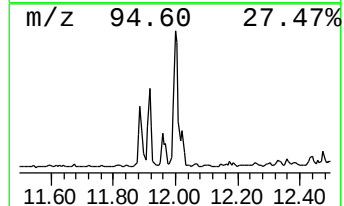
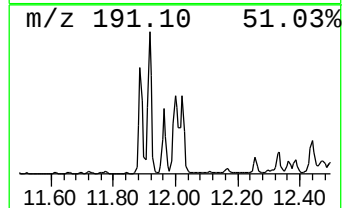
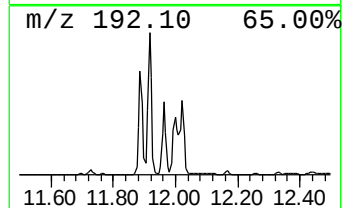
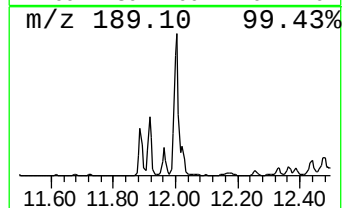
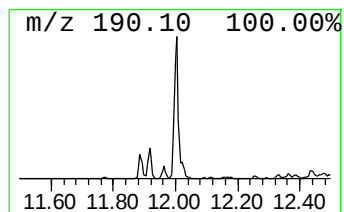
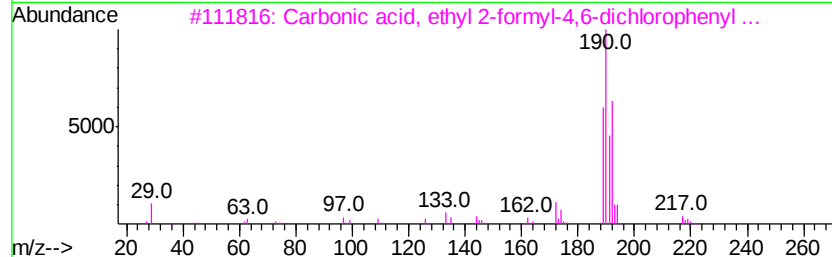
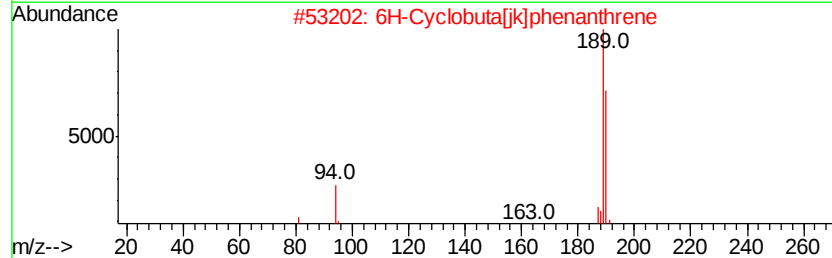
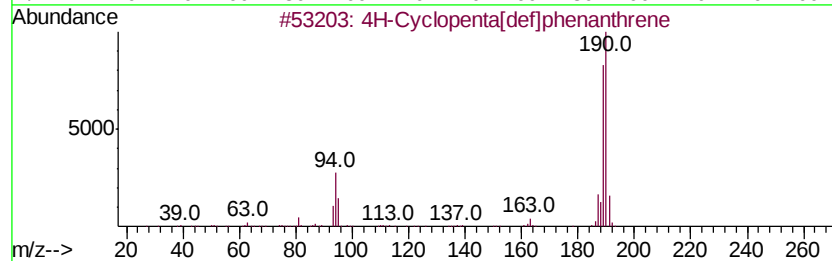
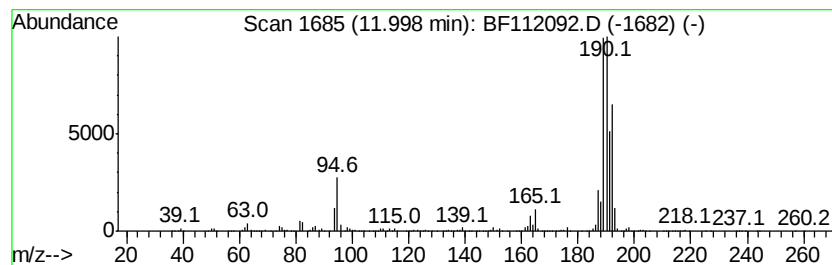
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	21.30 ng	2238260	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5		Methyl diselenide	190	C2H6Se2	007101-31-7	43



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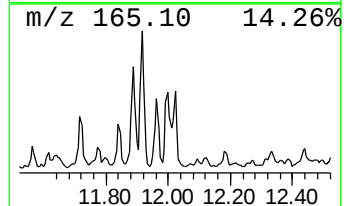
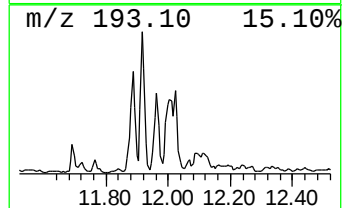
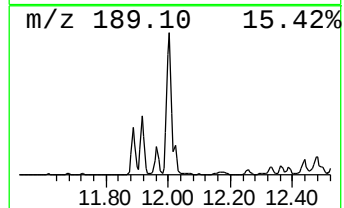
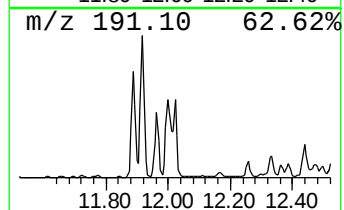
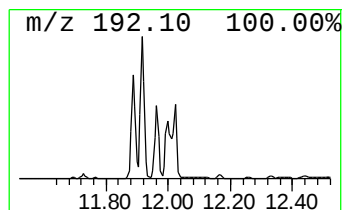
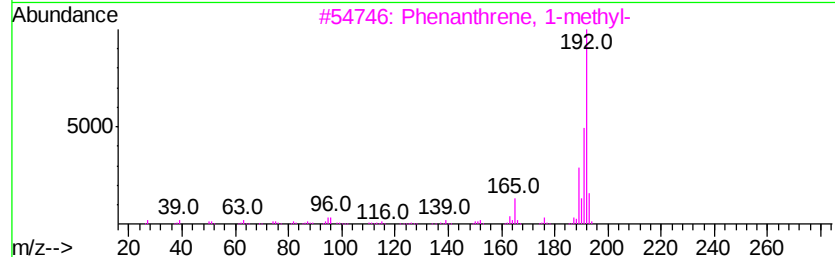
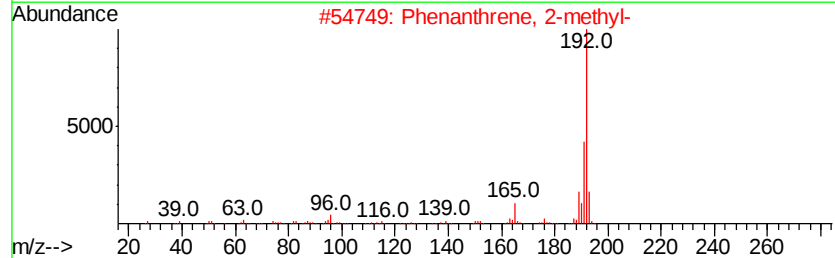
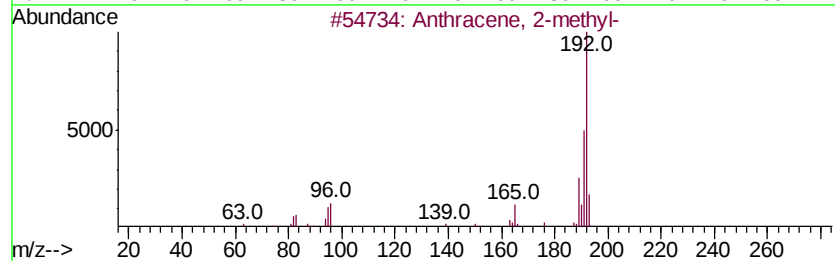
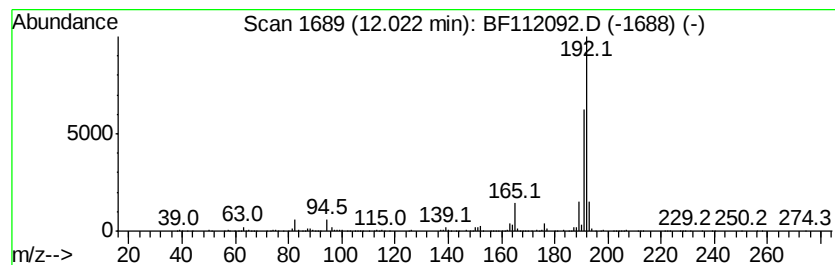
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.36 ng	563458	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5			Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	90



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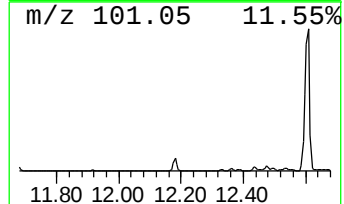
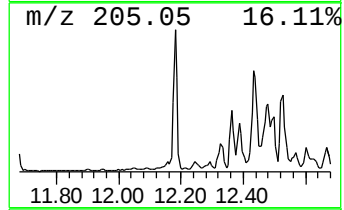
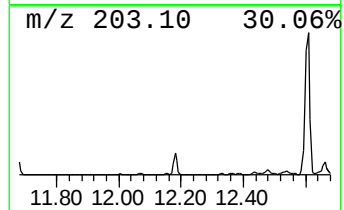
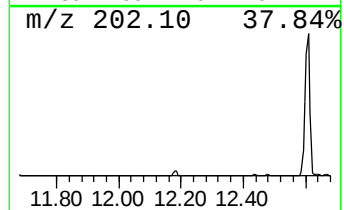
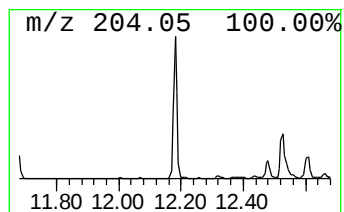
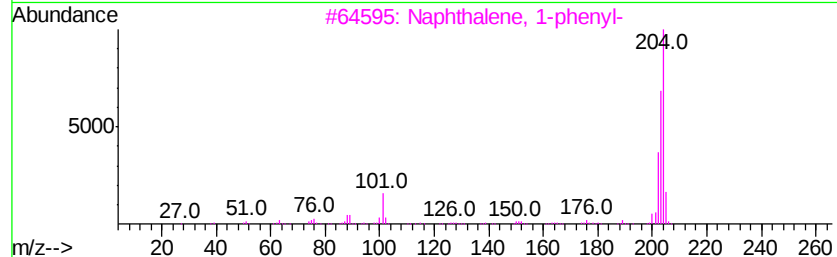
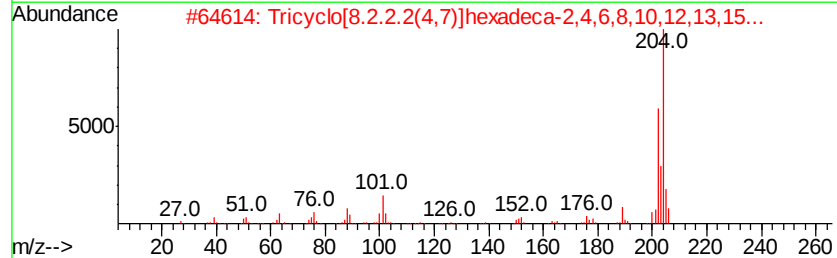
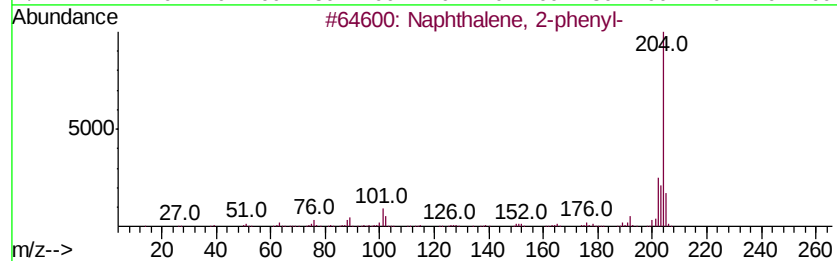
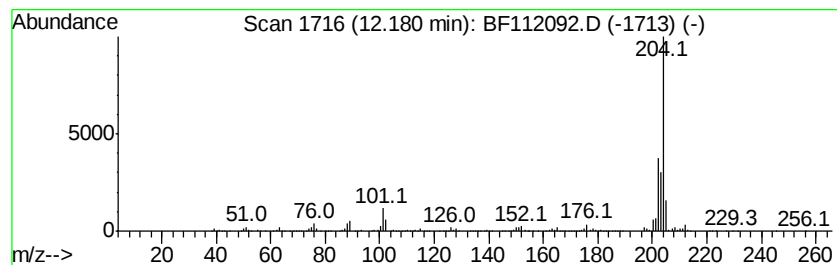
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	7.54 ng	792562	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4			5,16[1',2':8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
5			[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
Data File : BF112092.D
Acq On : 17 Jan 2019 16:32
Operator : JU/SJ
Sample : K1156-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

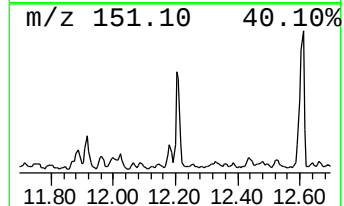
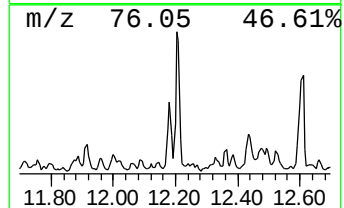
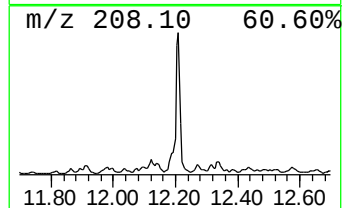
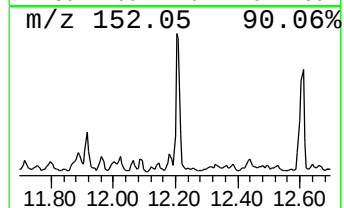
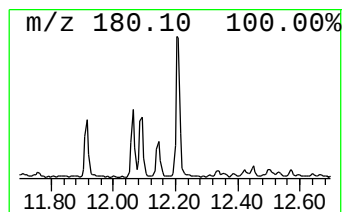
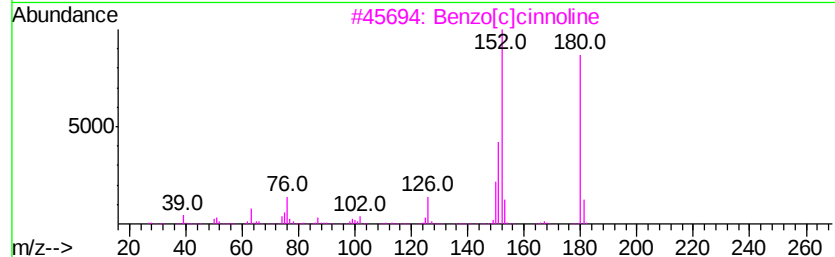
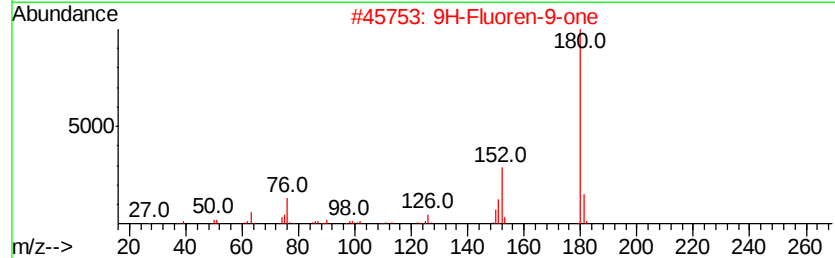
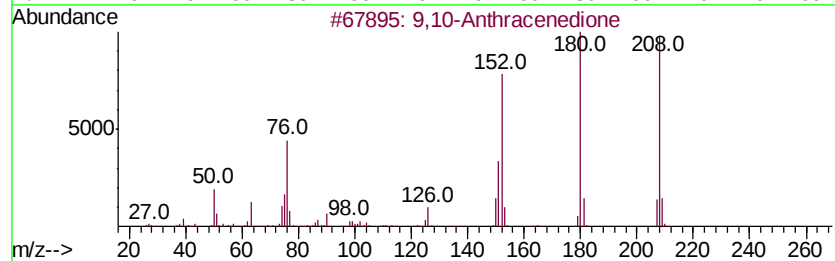
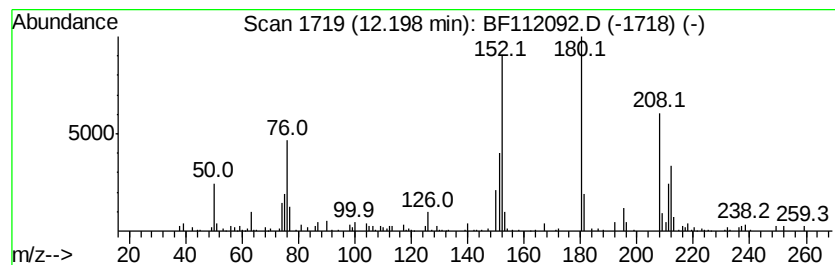
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ClientSampled :
COMP-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.20	4.28 ng	449380	Phenanthrene-d10		11.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Benzo[clcinnoline	180	C12H8N2	000230-17-1	70
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
Data File : BF112092.D
Acq On : 17 Jan 2019 16:32
Operator : JU/SJ
Sample : K1156-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-7

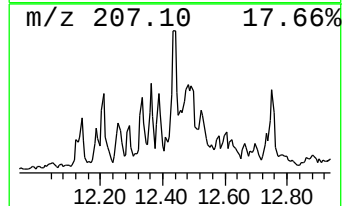
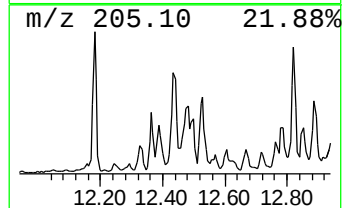
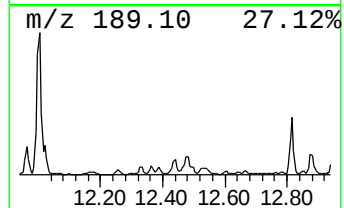
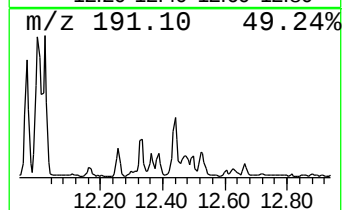
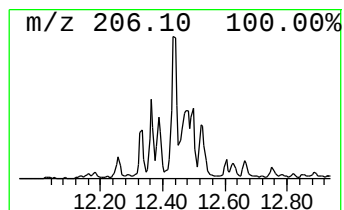
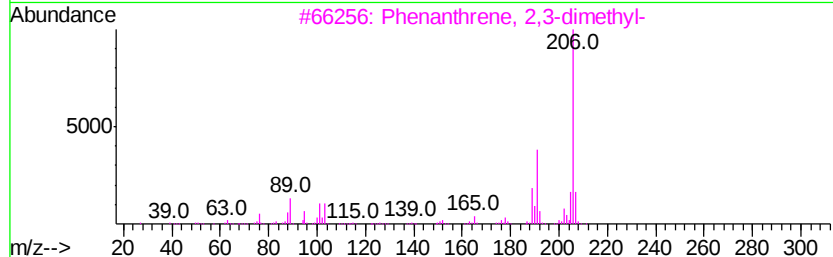
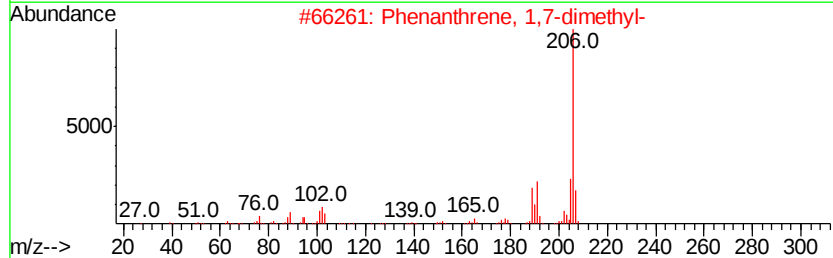
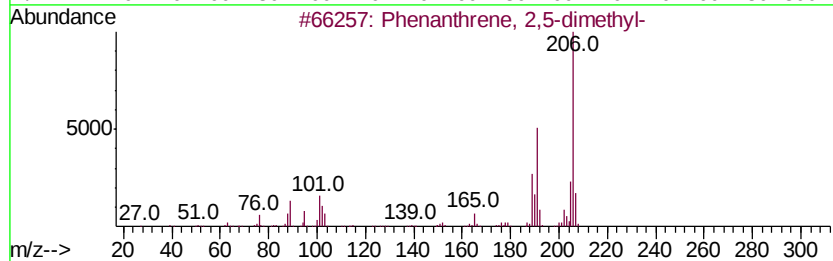
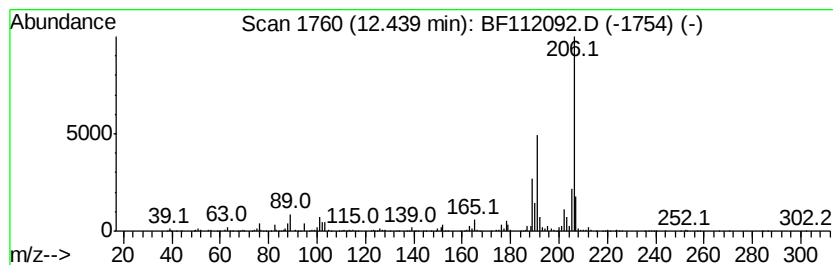
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	7.82 ng	821529	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
Data File : BF112092.D
Acq On : 17 Jan 2019 16:32
Operator : JU/SJ
Sample : K1156-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

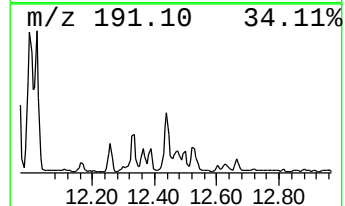
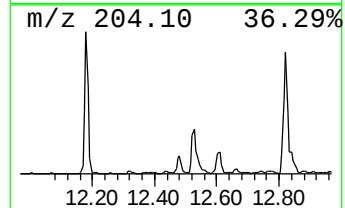
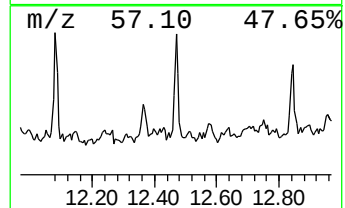
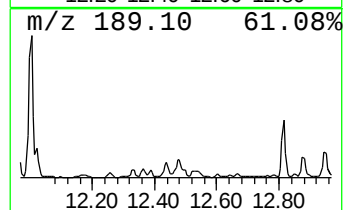
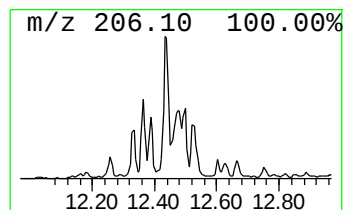
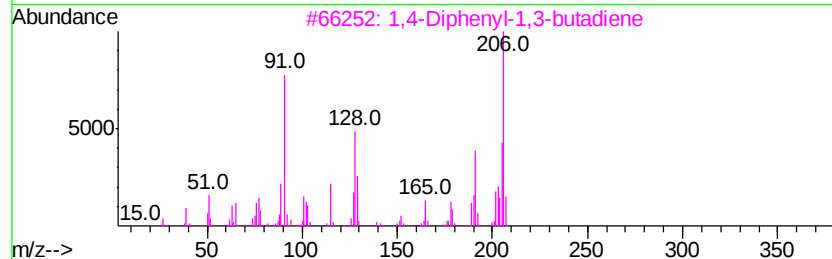
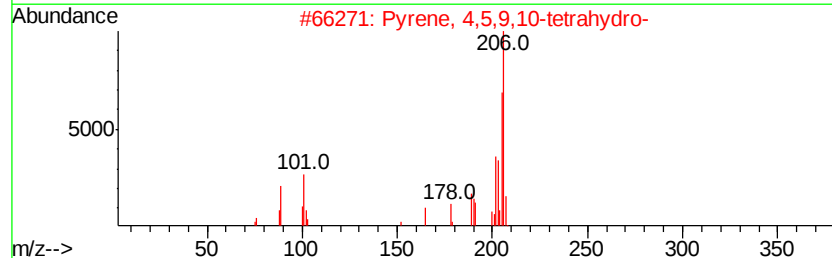
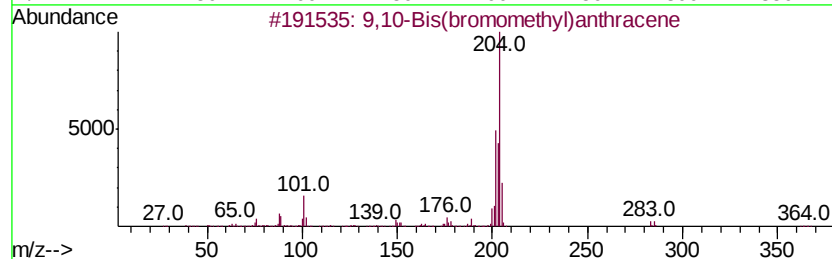
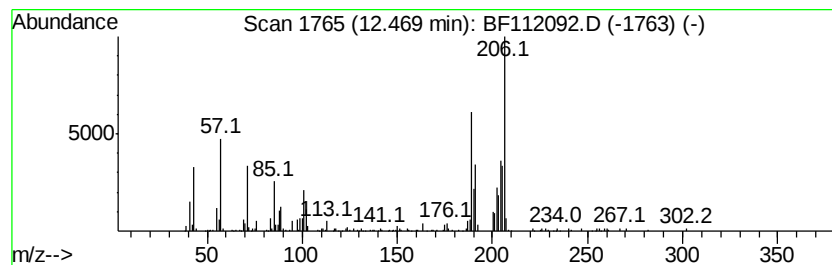
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ClientSampleId :
COMP-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown12.47 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.47	4.47 ng	469692	Phenanthrene-d10		11.39	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35	
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30	
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	30	
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30	
5	3-Methoxy-2,4,5-trifluorobenzoic...	248	C11H11F3O3	1000338-75-8	27	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
Data File : BF112092.D
Acq On : 17 Jan 2019 16:32
Operator : JU/SJ
Sample : K1156-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-7

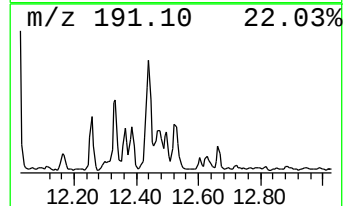
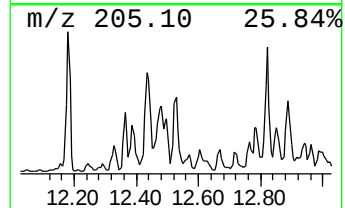
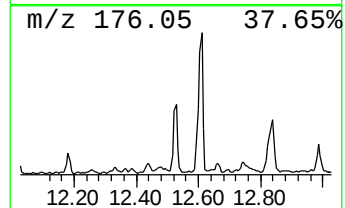
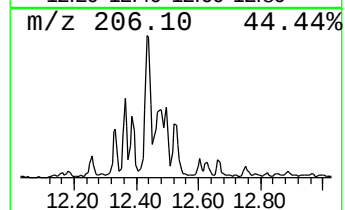
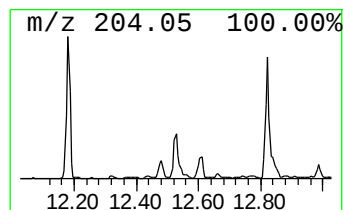
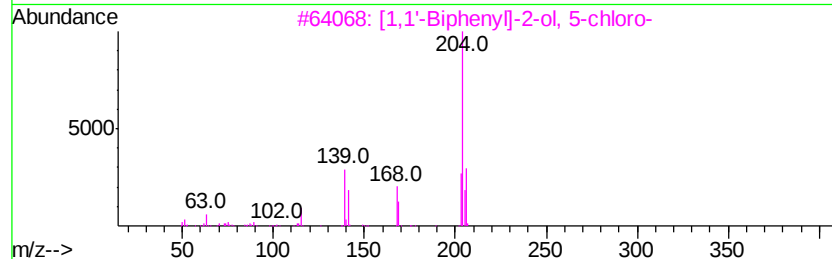
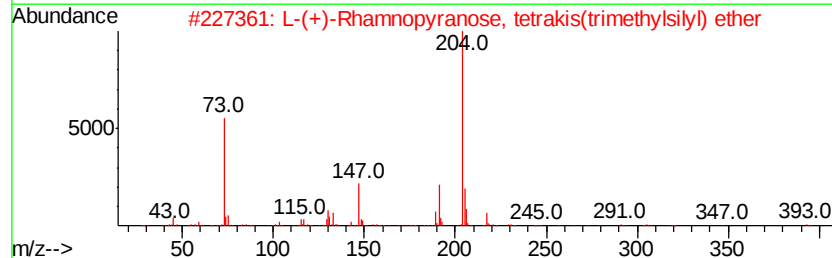
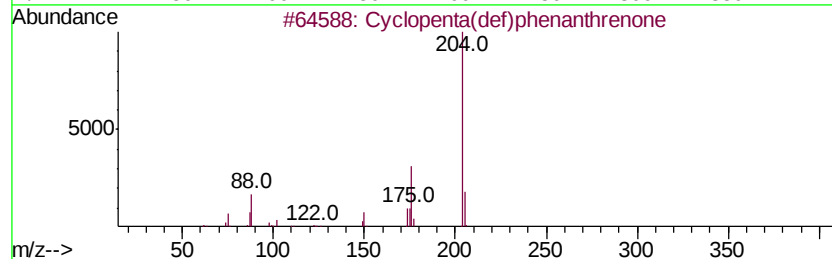
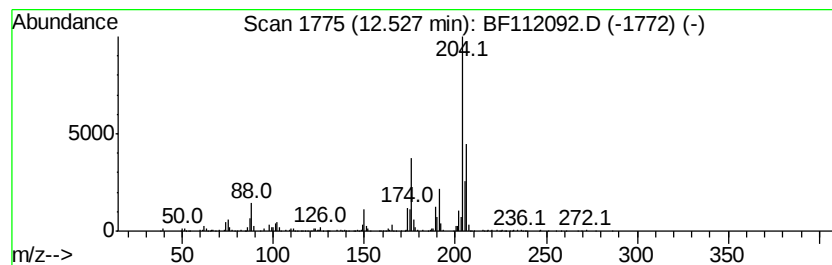
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	5.39 ng	566270	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
3		[1,1'-Bi(phenyl)-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
4		2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5		Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
Data File : BF112092.D
Acq On : 17 Jan 2019 16:32
Operator : JU/SJ
Sample : K1156-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

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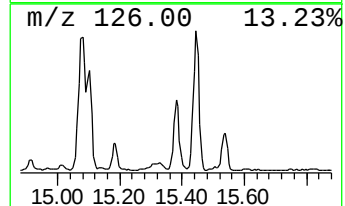
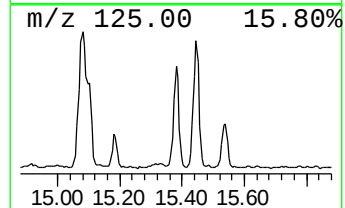
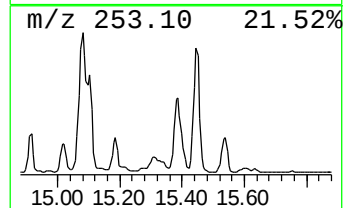
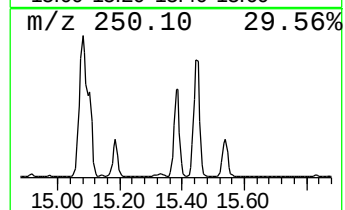
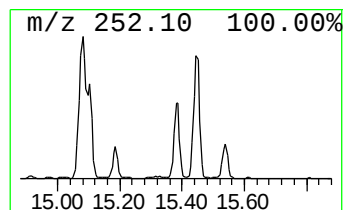
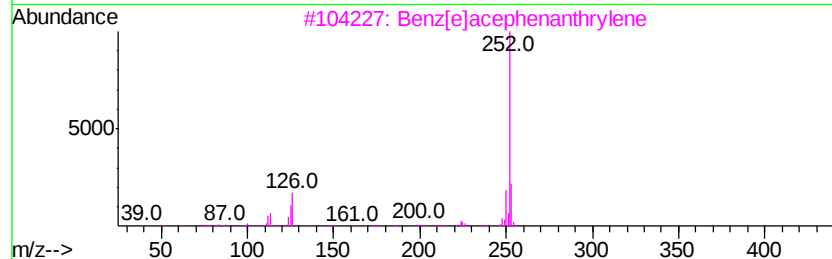
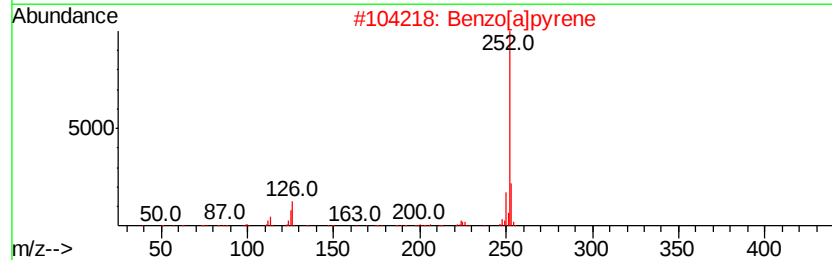
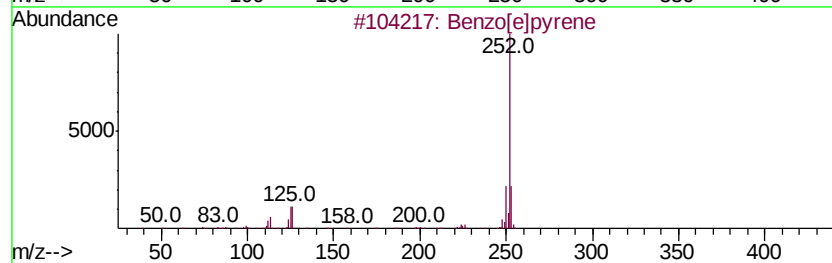
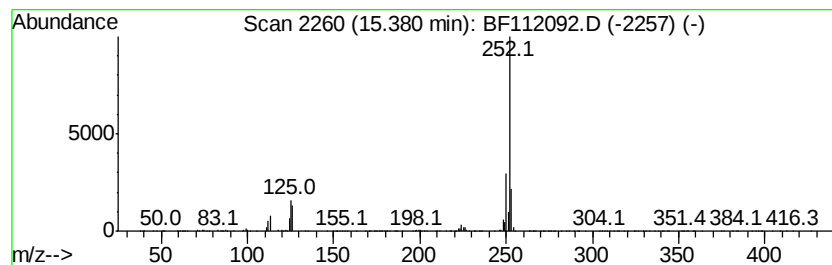
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	21.30 ng	1886350	Perylene-d12	15.51

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011719\
 Data File : BF112092.D
 Acq On : 17 Jan 2019 16:32
 Operator : JU/SJ
 Sample : K1156-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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
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3-(2-Naphthyl)acr...	10.60	4.4	ng	484101	3	9.90	2215570	20.0
9H-Fluorene, 2-me...	10.99	5.7	ng	596199	4	11.39	2101950	20.0
9H-Fluoren-9-one	11.19	4.7	ng	491928	4	11.39	2101950	20.0
2,4,6-Trimethoxyb...	11.23	5.0	ng	524240	4	11.39	2101950	20.0
Naphtho[2,1-b]thi...	11.28	8.3	ng	873416	4	11.39	2101950	20.0
Phenanthrene, 2-m...	11.89	13.0	ng	1366640	4	11.39	2101950	20.0
4H-Cyclopenta[def...	12.00	21.3	ng	2238260	4	11.39	2101950	20.0
Anthracene, 2-met...	12.02	5.4	ng	563458	4	11.39	2101950	20.0
Naphthalene, 2-ph...	12.18	7.5	ng	792562	4	11.39	2101950	20.0
9,10-Anthracenedione	12.20	4.3	ng	449380	4	11.39	2101950	20.0
Phenanthrene, 2,5...	12.44	7.8	ng	821529	4	11.39	2101950	20.0
unknown12.47	12.47	4.5	ng	469692	4	11.39	2101950	20.0
Cyclopenta(def)ph...	12.53	5.4	ng	566270	4	11.39	2101950	20.0
Benzo[e]pyrene	15.38	21.3	ng	1886350	6	15.51	1770860	20.0