

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102919\
 Data File : BF117607.D
 Acq On : 29 Oct 2019 23:26
 Operator : JU
 Sample : K5576-17
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-1-6

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.916	478	481	500	rBV	64960	107349	6.81%	0.513%
2	5.357	553	556	576	rBV	427289	597595	37.91%	2.858%
3	6.387	727	731	748	rBV	467541	674299	42.77%	3.225%
4	6.504	748	751	757	rVV	676652	684250	43.40%	3.273%
5	6.563	757	761	766	rVB3	17773	29407	1.87%	0.141%
6	6.728	786	789	797	rVB	212825	190937	12.11%	0.913%
7	6.881	812	815	827	rBV	513719	519678	32.96%	2.486%
8	7.292	882	885	904	rBV	267667	369264	23.42%	1.766%
9	8.010	1002	1007	1009	rBV	208620	192170	12.19%	0.919%
10	8.033	1009	1011	1016	rVV	69582	90194	5.72%	0.431%
11	8.728	1126	1129	1135	rBV	34426	37442	2.37%	0.179%
12	8.822	1141	1145	1154	rBV2	30028	37507	2.38%	0.179%
13	9.080	1186	1189	1199	rBV	694966	607689	38.55%	2.907%
14	9.422	1244	1247	1250	rVV2	25851	30700	1.95%	0.147%
15	9.480	1254	1257	1264	rVV2	76306	96363	6.11%	0.461%
16	9.622	1278	1281	1290	rVV	291143	292965	18.58%	1.401%
17	9.763	1297	1305	1308	rVV	219787	221773	14.07%	1.061%
18	9.792	1308	1310	1318	rVB	40645	43395	2.75%	0.208%
19	9.969	1334	1340	1344	rBV2	37739	43755	2.78%	0.209%
20	10.310	1395	1398	1404	rVB3	36309	52849	3.35%	0.253%
21	10.416	1410	1416	1419	rBV3	24677	33914	2.15%	0.162%
22	10.469	1422	1425	1427	rVV	29719	29411	1.87%	0.141%
23	10.557	1433	1440	1451	rVV	310354	349251	22.15%	1.670%
24	10.674	1455	1460	1466	rVB5	44261	80931	5.13%	0.387%
25	11.010	1515	1517	1521	rVV2	36489	42670	2.71%	0.204%
26	11.063	1523	1526	1530	rVV	64763	73805	4.68%	0.353%
27	11.110	1530	1534	1537	rVV2	40252	57217	3.63%	0.274%
28	11.145	1537	1540	1546	rVB	48563	56908	3.61%	0.272%
29	11.251	1554	1558	1559	rBV	219499	200085	12.69%	0.957%
30	11.274	1559	1562	1565	rVV	780217	659137	41.81%	3.153%
31	11.327	1568	1571	1574	rVV	285788	271348	17.21%	1.298%
32	11.486	1594	1598	1604	rBV2	103623	153983	9.77%	0.737%
33	11.533	1604	1606	1609	rVB3	46914	46907	2.98%	0.224%
34	11.751	1640	1643	1645	rBV	137136	115221	7.31%	0.551%

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.780	1645	1648	1653	rVB	236955	211614	13.42%	1.012%
36	11.827	1653	1656	1659	rBV	79441	75221	4.77%	0.360%
37	11.863	1659	1662	1664	rVV	193042	193542	12.28%	0.926%
38	11.886	1664	1666	1672	rVB	103796	96878	6.14%	0.463%
39	11.939	1672	1675	1678	rBV4	38446	48047	3.05%	0.230%
40	12.045	1689	1693	1697	rBV2	94198	96090	6.09%	0.460%
41	12.086	1697	1700	1704	rBV	141889	131143	8.32%	0.627%
42	12.192	1713	1718	1721	rBV2	51949	62652	3.97%	0.300%
43	12.227	1721	1724	1726	rVV	67748	57165	3.63%	0.273%
44	12.251	1726	1728	1731	rVB	46421	42929	2.72%	0.205%
45	12.304	1731	1737	1739	rBV	160376	173840	11.03%	0.831%
46	12.333	1739	1742	1745	rVV3	82751	122754	7.79%	0.587%
47	12.363	1745	1747	1749	rVV2	80100	68449	4.34%	0.327%
48	12.404	1749	1754	1757	rVV2	134088	166390	10.55%	0.796%
49	12.474	1761	1766	1769	rVV	1590851	1535616	97.40%	7.345%
50	12.510	1769	1772	1773	rVV	44720	44606	2.83%	0.213%
51	12.533	1773	1776	1778	rVV2	43287	47031	2.98%	0.225%
52	12.563	1778	1781	1786	rVV	161232	153021	9.71%	0.732%
53	12.616	1786	1790	1793	rVV	116339	120896	7.67%	0.578%
54	12.639	1793	1794	1798	rVV2	41052	41790	2.65%	0.200%
55	12.704	1798	1805	1809	rVV2	1445726	1576543	100.00%	7.541%
56	12.751	1809	1813	1817	rVB2	107620	134916	8.56%	0.645%
57	12.833	1820	1827	1830	rBV2	725301	758741	48.13%	3.629%
58	12.863	1830	1832	1836	rVB	91046	97707	6.20%	0.467%
59	12.921	1836	1842	1846	rBV2	147415	260860	16.55%	1.248%
60	13.027	1857	1860	1863	rVB	198185	195308	12.39%	0.934%
61	13.063	1863	1866	1868	rBV3	33822	43049	2.73%	0.206%
62	13.092	1868	1871	1873	rBV	87146	67966	4.31%	0.325%
63	13.127	1873	1877	1881	rBV2	181554	217358	13.79%	1.040%
64	13.186	1885	1887	1890	rBV4	37060	41947	2.66%	0.201%
65	13.221	1890	1893	1896	rBV	124275	106349	6.75%	0.509%
66	13.251	1896	1898	1902	rBV3	93287	100166	6.35%	0.479%
67	13.327	1908	1911	1915	rVB5	29526	47041	2.98%	0.225%
68	13.398	1921	1923	1926	rBV3	57392	42030	2.67%	0.201%
69	13.545	1945	1948	1951	rBV	196810	179250	11.37%	0.857%
70	13.598	1955	1957	1960	rVB	31915	34258	2.17%	0.164%
71	13.651	1961	1966	1968	rBV2	179383	235751	14.95%	1.128%

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72	13.668	1968	1969	1972	rVB	134708	73416	4.66%	0.351%
73	13.698	1972	1974	1976	rBV	101228	94194	5.97%	0.451%
74	13.757	1981	1984	1989	rVB2	211932	248996	15.79%	1.191%
75	13.863	1999	2002	2003	rBV	97183	77976	4.95%	0.373%
76	13.892	2003	2007	2011	rVV2	684739	1027885	65.20%	4.916%
77	13.927	2011	2013	2016	rVB	656546	557647	35.37%	2.667%
78	14.004	2024	2026	2029	rVB	64042	44817	2.84%	0.214%
79	14.057	2033	2035	2041	rVB3	79942	109437	6.94%	0.523%
80	14.251	2065	2068	2069	rBV	41442	36891	2.34%	0.176%
81	14.286	2069	2074	2077	rVV	164696	202852	12.87%	0.970%
82	14.321	2078	2080	2082	rVB	66037	44203	2.80%	0.211%
83	14.345	2082	2084	2089	rBV4	99783	123968	7.86%	0.593%
84	14.386	2089	2091	2094	rBV4	45232	50508	3.20%	0.242%
85	14.410	2094	2095	2098	rBV2	54574	54537	3.46%	0.261%
86	14.615	2127	2130	2133	rBV4	52216	90439	5.74%	0.433%
87	14.780	2156	2158	2161	rVB	75408	66453	4.22%	0.318%
88	14.933	2179	2184	2186	rBV	540404	718487	45.57%	3.437%
89	14.957	2186	2188	2193	rVV2	459905	469037	29.75%	2.243%
90	15.033	2197	2201	2205	rBV	143591	172485	10.94%	0.825%
91	15.221	2229	2233	2237	rBV	264666	306494	19.44%	1.466%
92	15.280	2239	2243	2247	rVV	313585	402233	25.51%	1.924%
93	15.339	2250	2253	2255	rVV	87857	95971	6.09%	0.459%
94	15.368	2255	2258	2265	rVB2	96625	138777	8.80%	0.664%
95	15.721	2313	2318	2323	rVB	172964	231695	14.70%	1.108%
96	15.880	2343	2345	2350	rVB5	30470	38467	2.44%	0.184%
97	16.762	2487	2495	2501	rVB	163883	358182	22.72%	1.713%
98	16.909	2516	2520	2525	rVB3	35230	63212	4.01%	0.302%
99	16.968	2527	2530	2538	rVV3	24634	46141	2.93%	0.221%
100	17.192	2562	2568	2574	rBV2	122590	242384	15.37%	1.159%

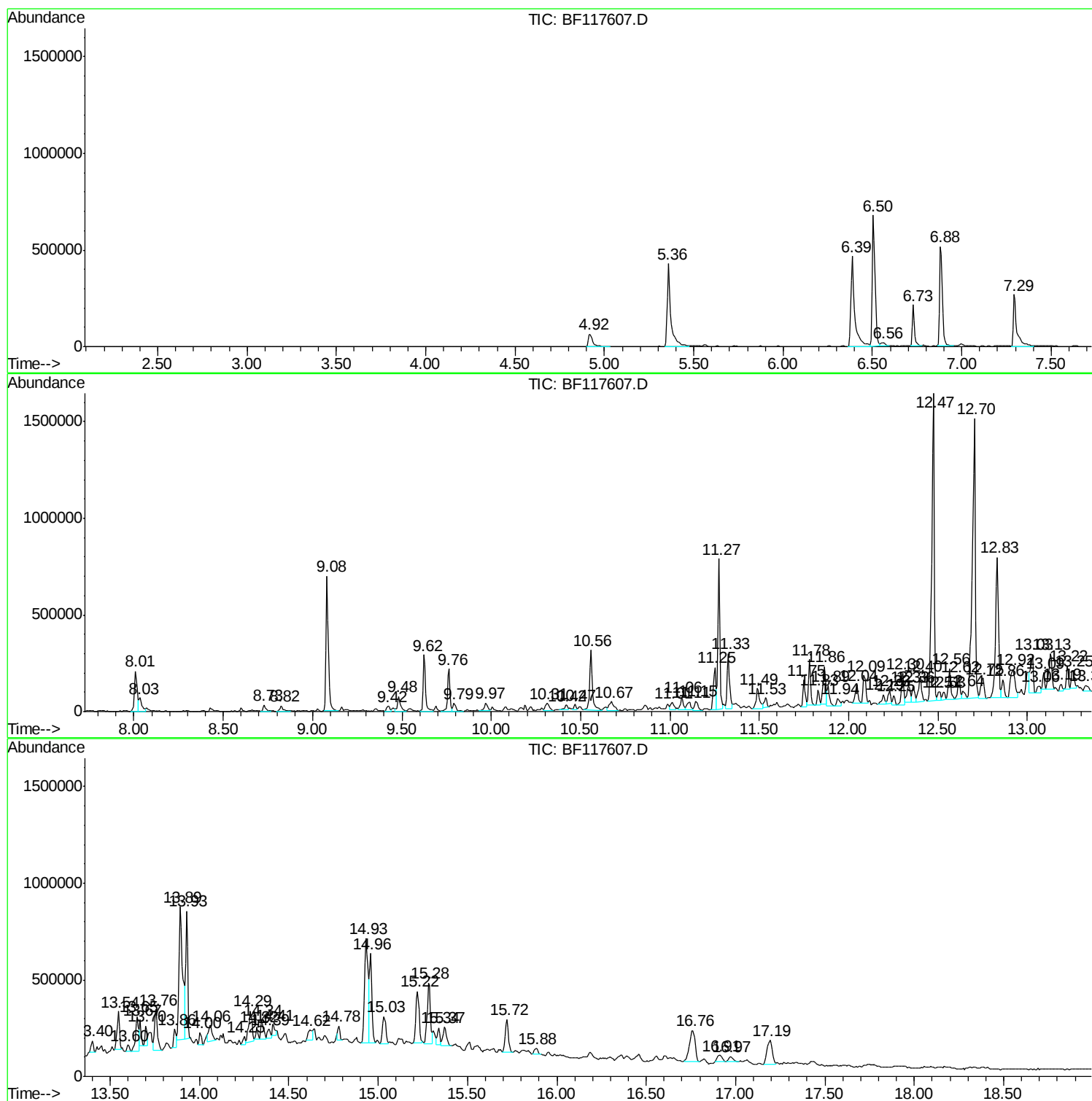
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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Instrument :
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ClientSampled :
CSA-2-1-6

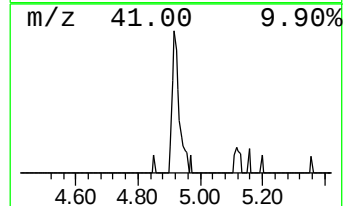
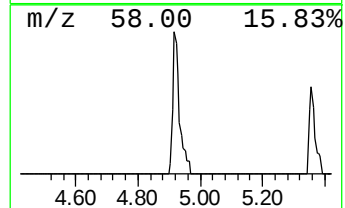
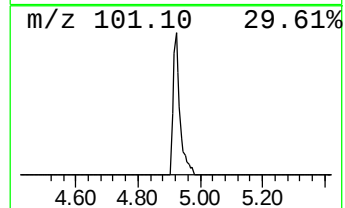
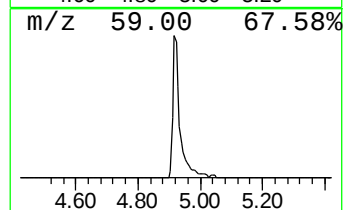
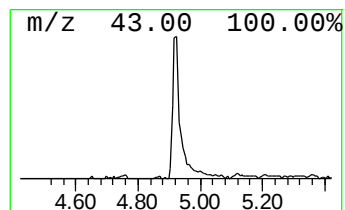
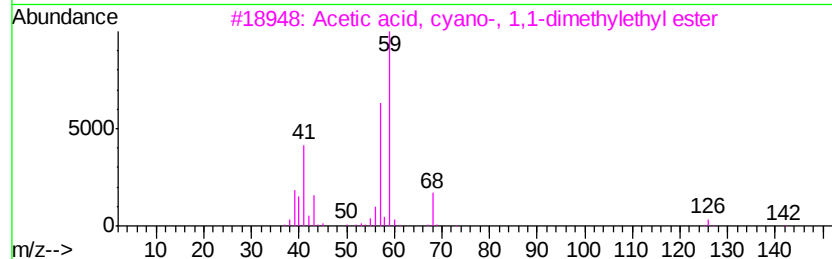
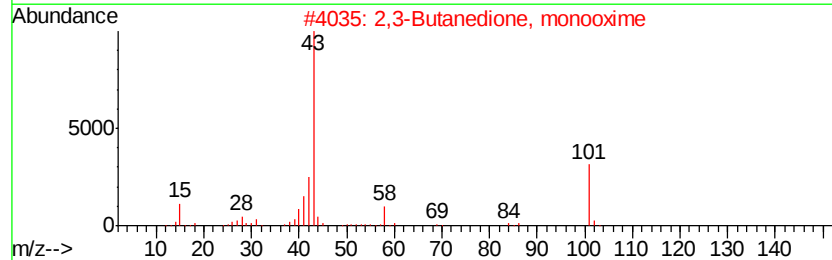
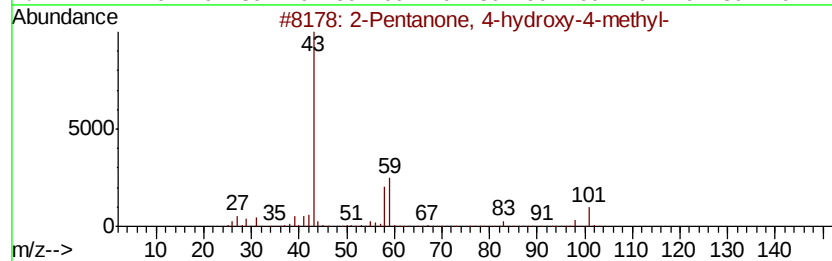
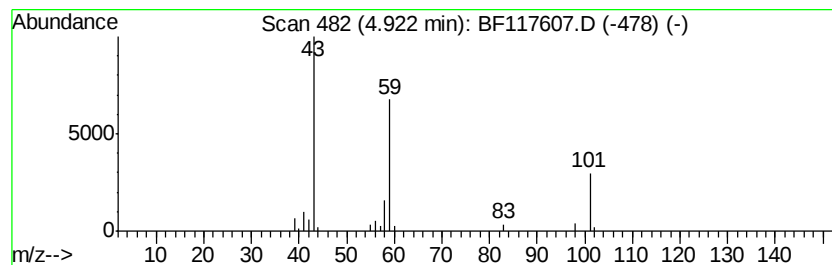
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown4.92 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	11.24 ng	107349	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45	
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25	
3	Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17	
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	12	
5	(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9	



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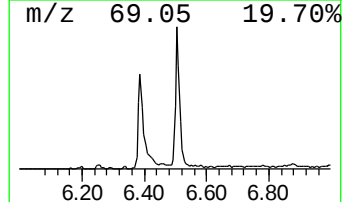
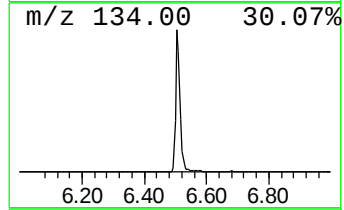
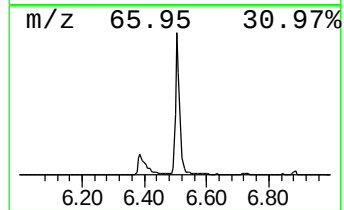
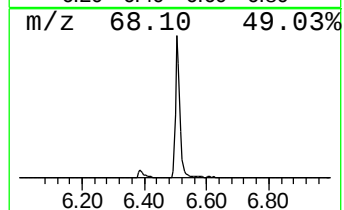
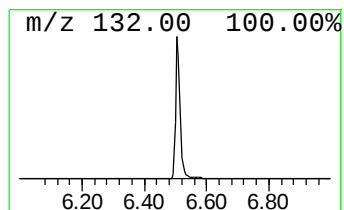
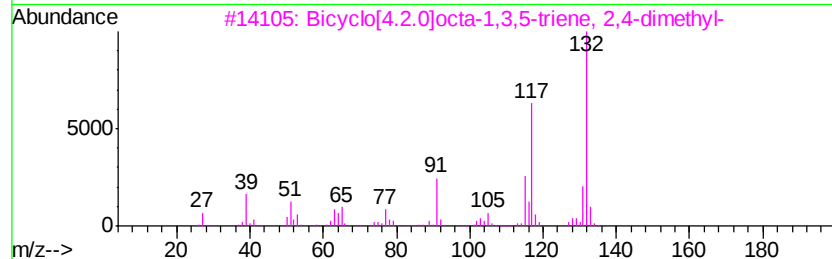
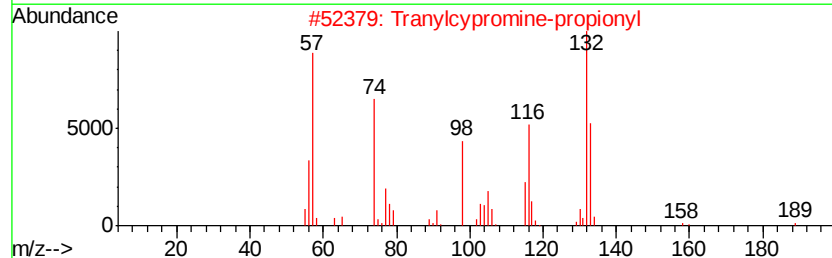
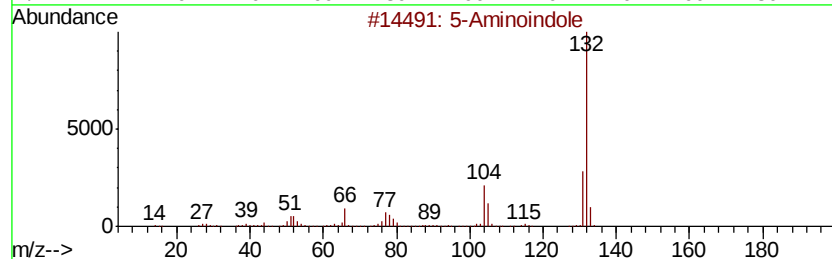
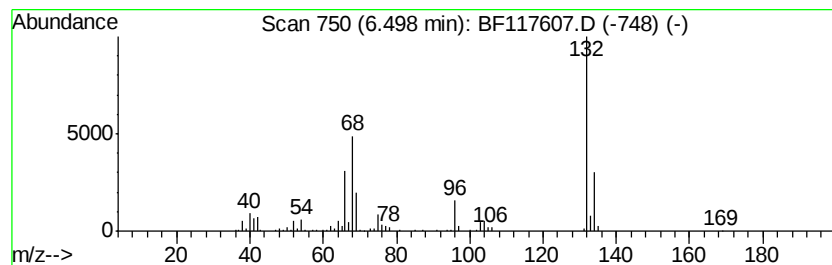
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Peak Number 2 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	71.67 ng	684250	1,4-Dichlorobenzene-d4	6.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Aminoindole	132	C8H8N2	005192-03-0	22
2			Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3			Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4			1-Aminoindan	133	C9H11N	034698-41-4	9
5			5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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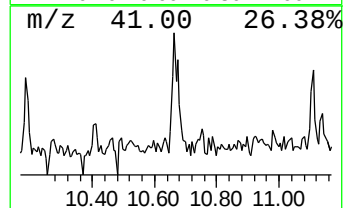
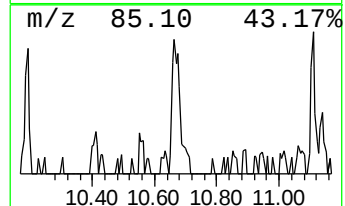
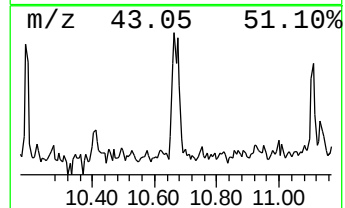
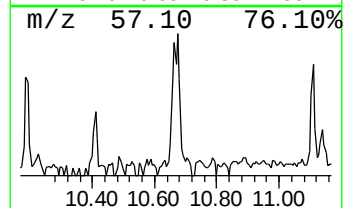
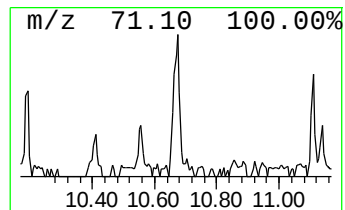
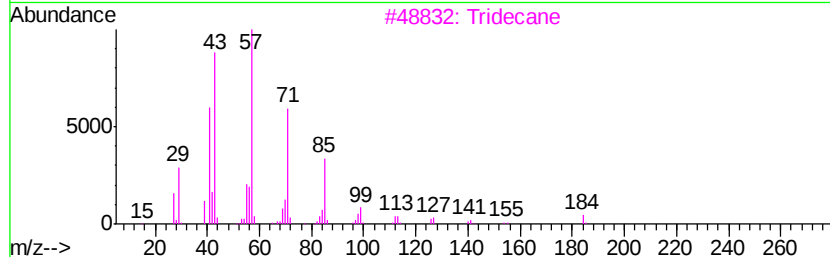
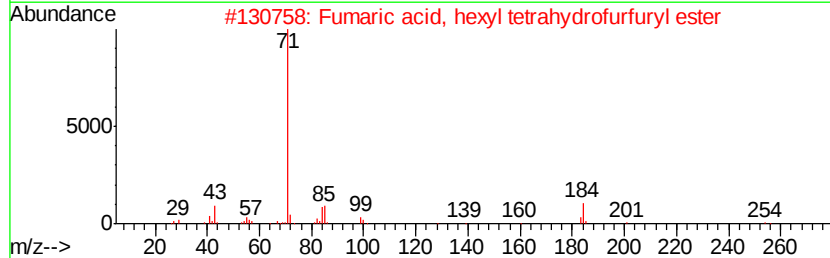
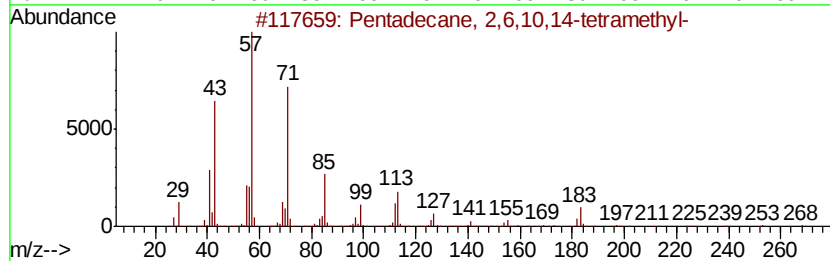
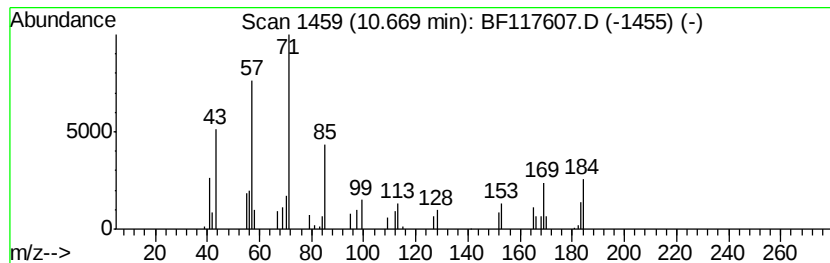
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Peak Number 4 unknown10.67 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	8.09 ng	80931	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	46
2		Fumaric acid, hexyl tetrahydrofu...	284	C15H24O5	1000330-58-1	38
3		Tridecane	184	C13H28	000629-50-5	38
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	38
5		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117607.D
Acq On : 29 Oct 2019 23:26
Operator : JU
Sample : K5576-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

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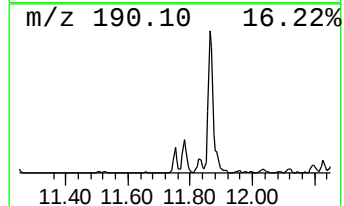
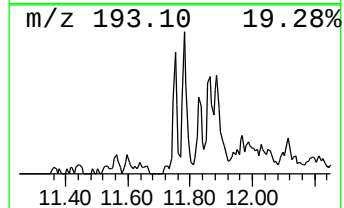
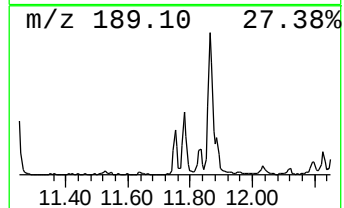
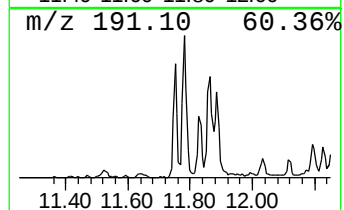
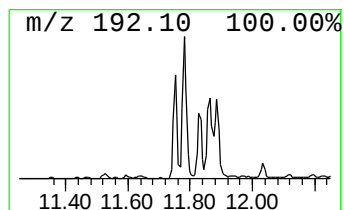
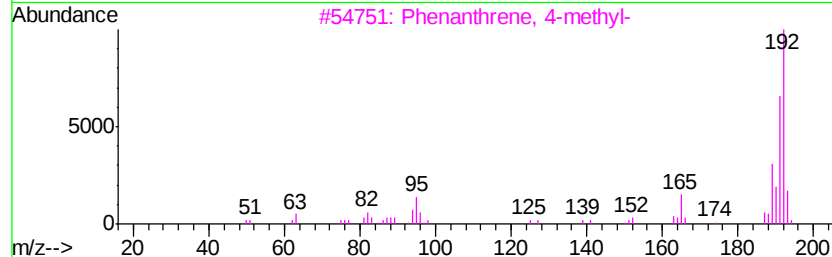
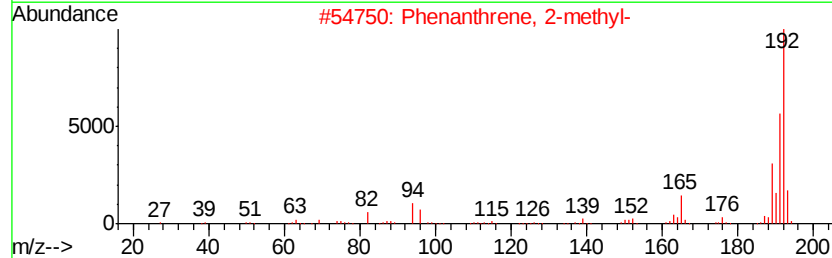
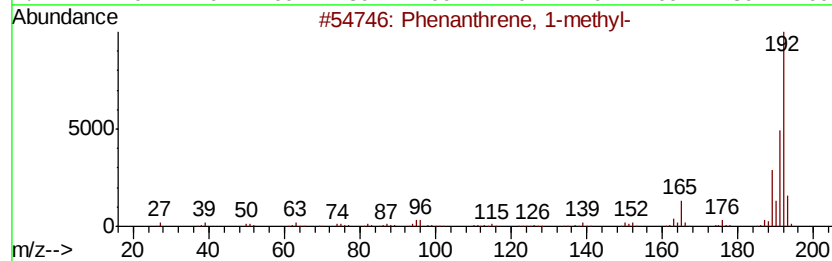
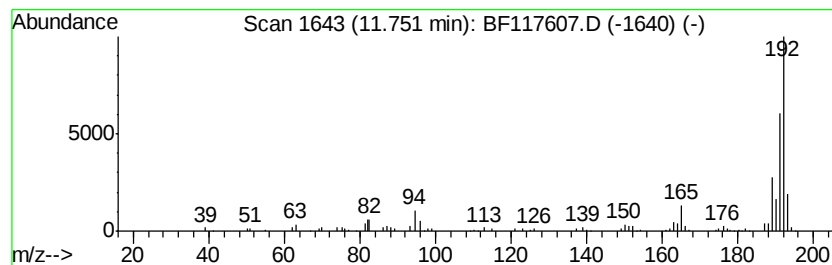
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	11.52 ng	115221	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117607.D
Acq On : 29 Oct 2019 23:26
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Misc :
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ClientSampleId :
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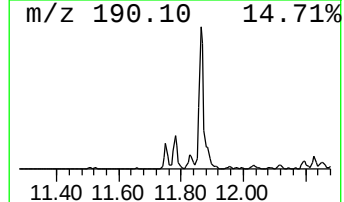
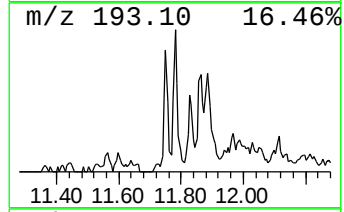
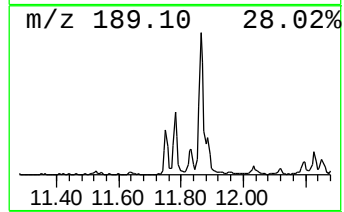
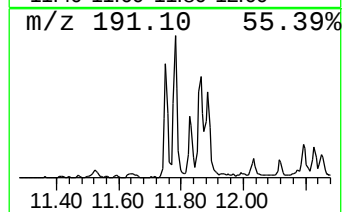
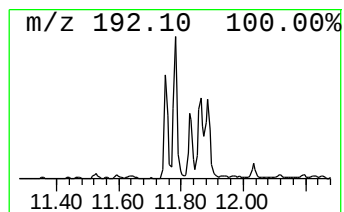
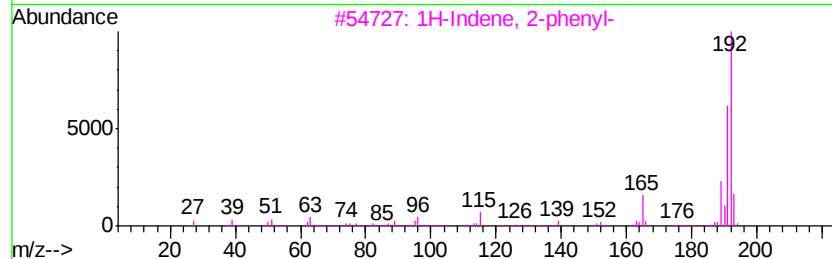
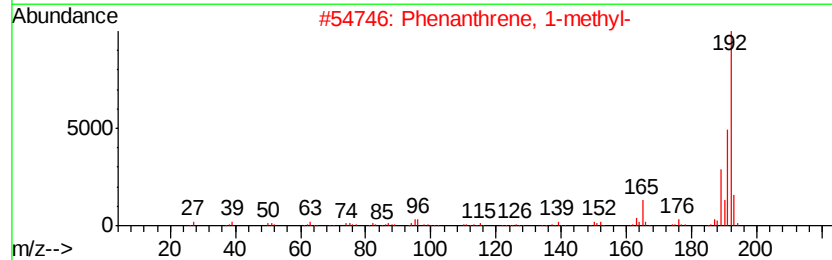
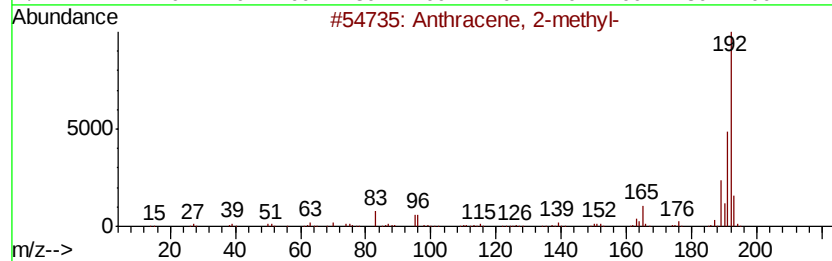
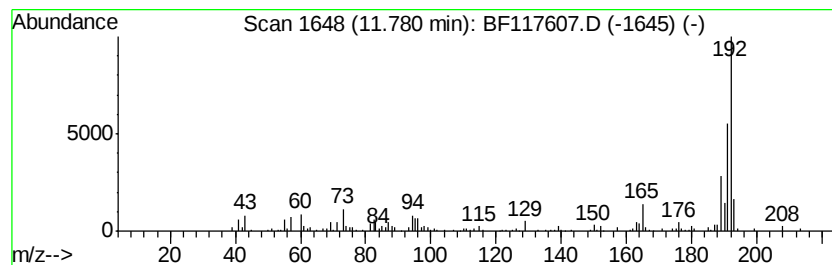
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	21.15 ng	211614	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117607.D
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Operator : JU
Sample : K5576-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

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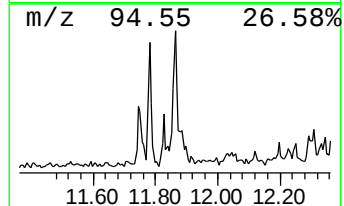
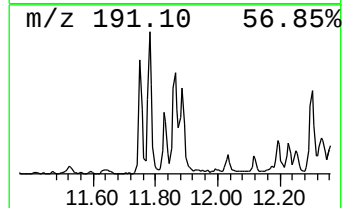
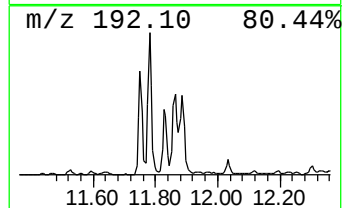
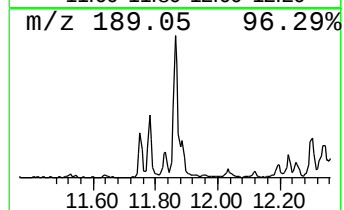
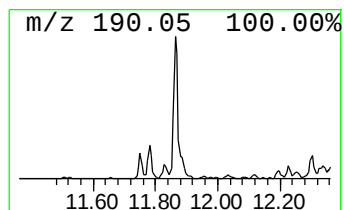
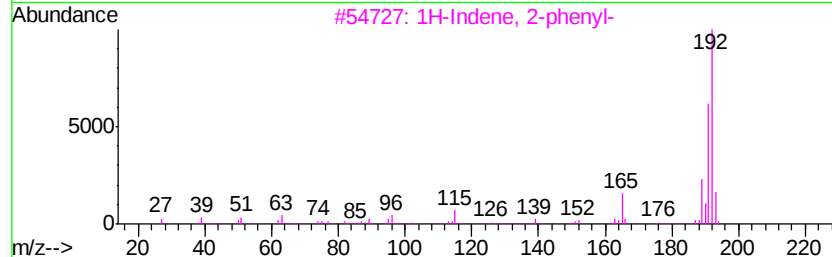
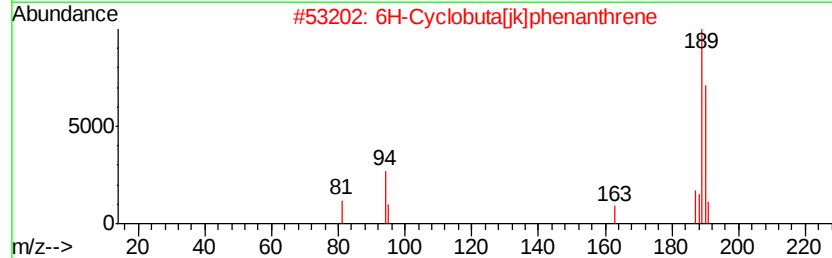
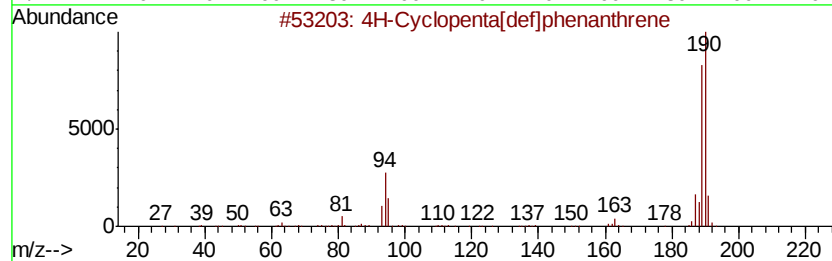
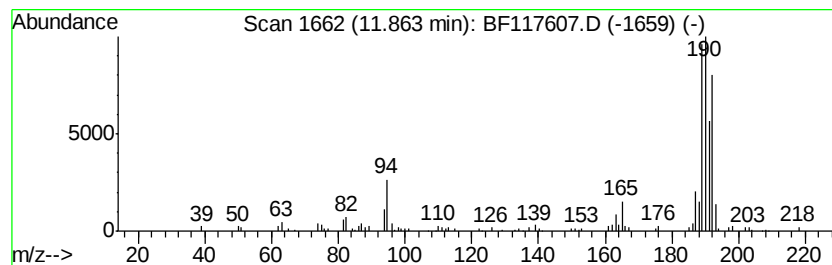
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	19.35 ng	193542	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4		1H-Cyclopropa[all]phenanthrene, 1a,...	192	C15H12	000949-41-7	42
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117607.D
Acq On : 29 Oct 2019 23:26
Operator : JU
Sample : K5576-17
Misc :
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Instrument :
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ClientSampleId :
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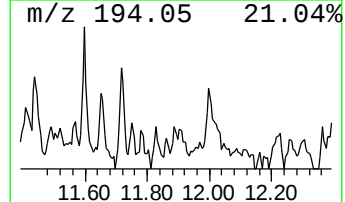
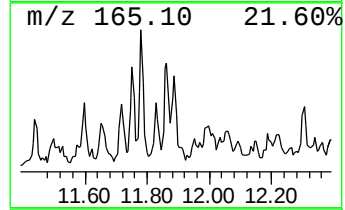
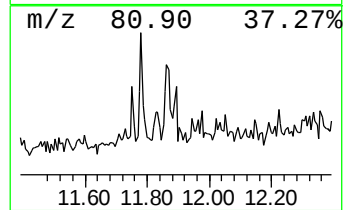
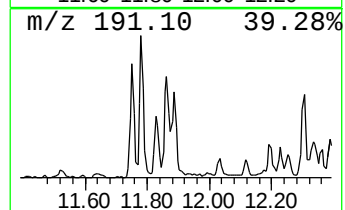
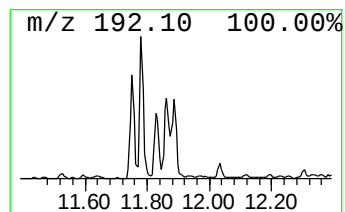
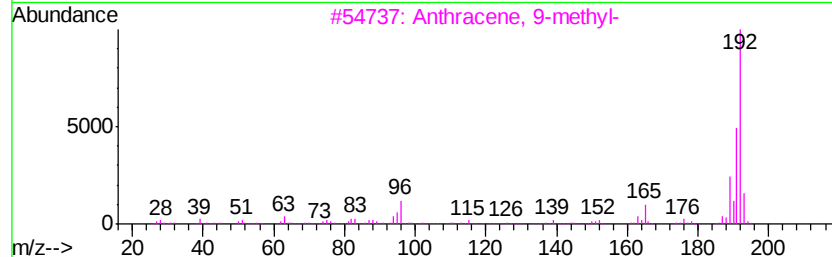
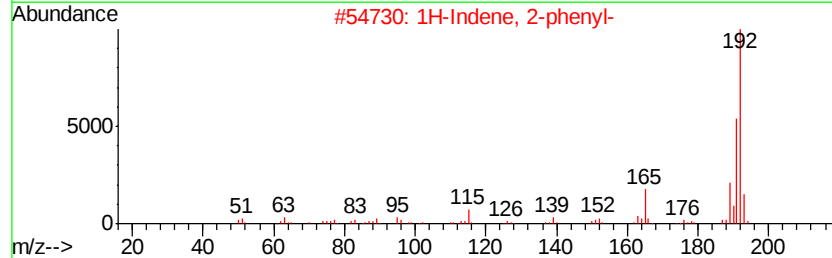
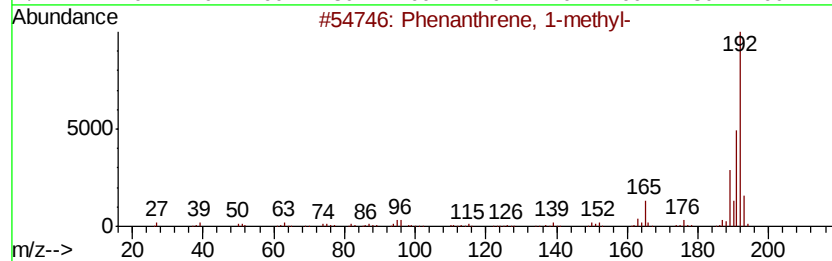
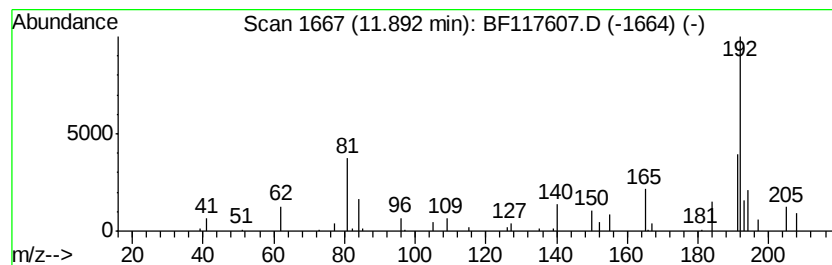
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1H-Indene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	9.68 ng	96878	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117607.D
Acq On : 29 Oct 2019 23:26
Operator : JU
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Misc :
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Instrument :
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ClientSampleId :
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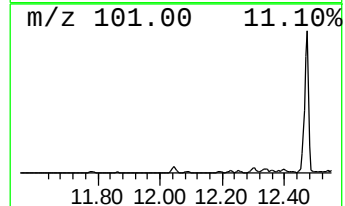
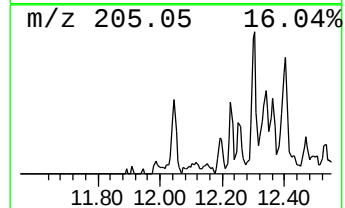
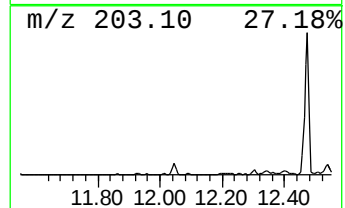
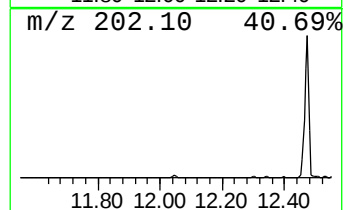
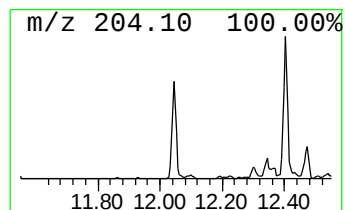
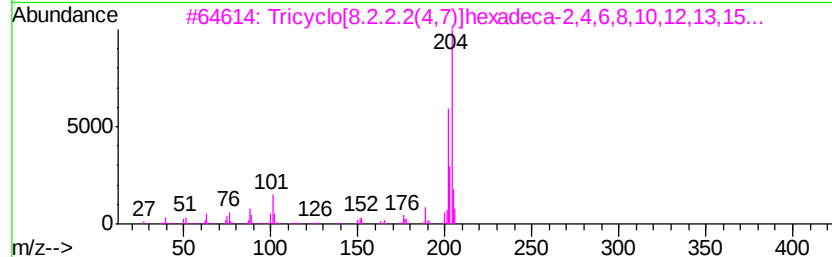
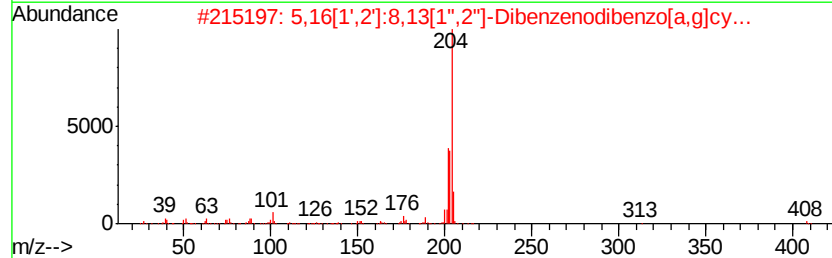
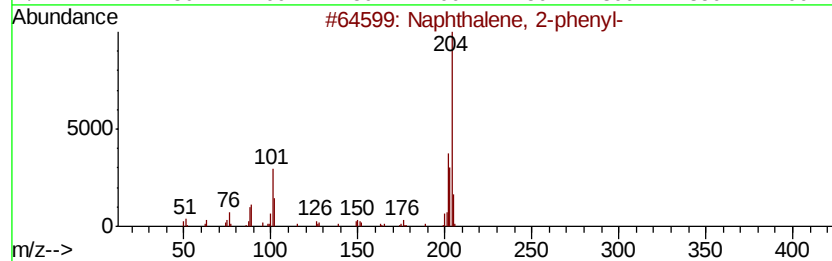
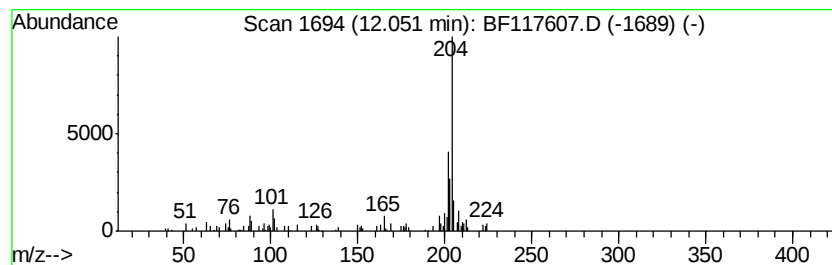
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	9.60 ng	96090	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2		5,16[1',2'] : 8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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Operator : JU
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Misc :
ALS Vial : 28 Sample Multiplier: 1

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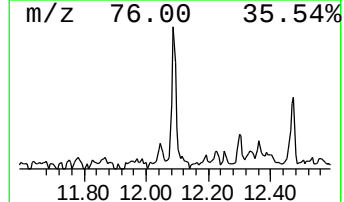
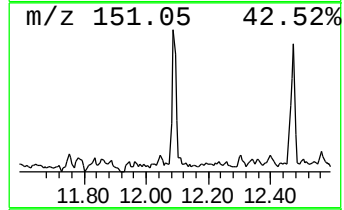
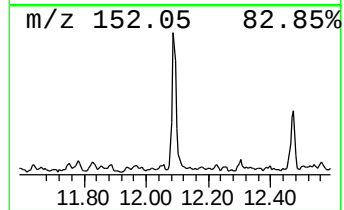
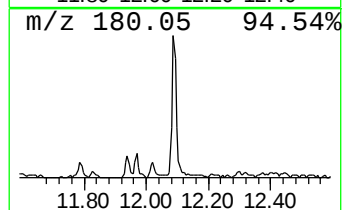
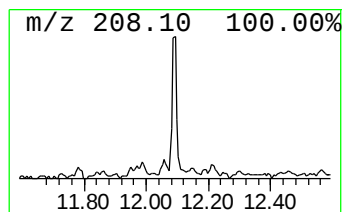
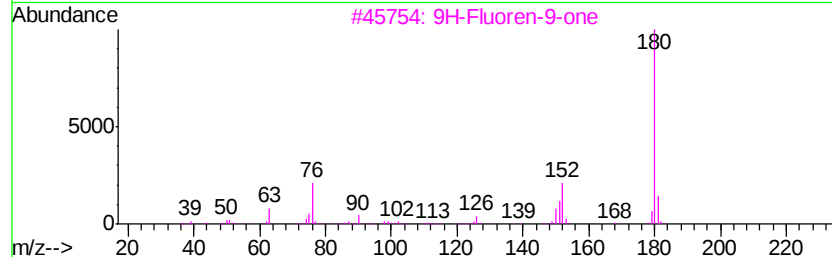
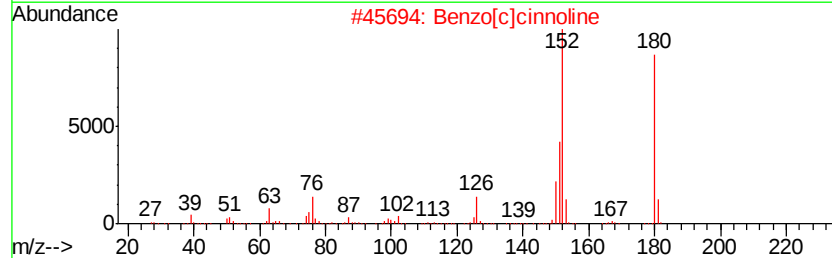
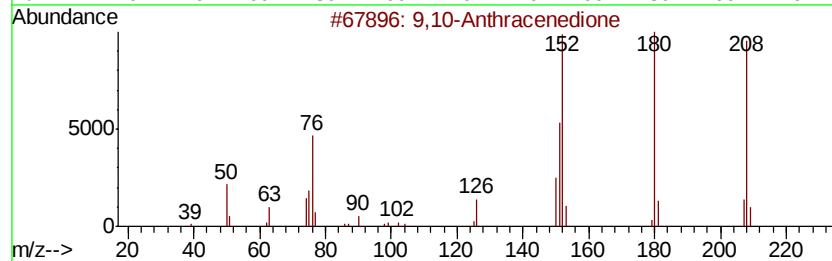
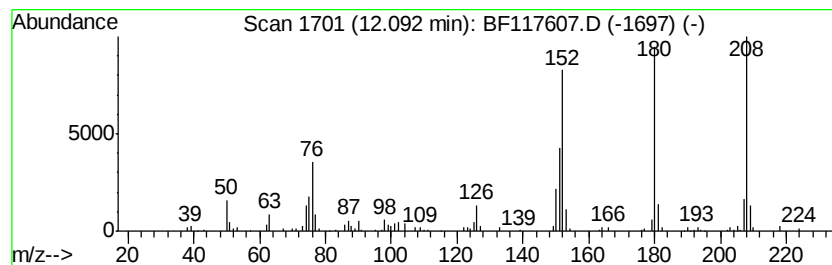
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	13.11 ng	131143	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4			1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	49



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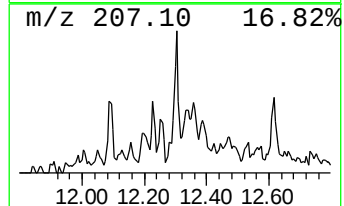
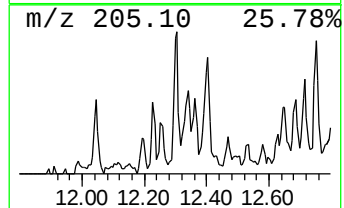
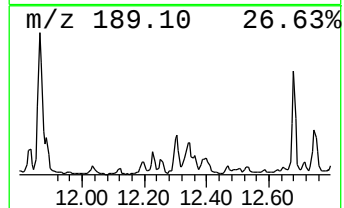
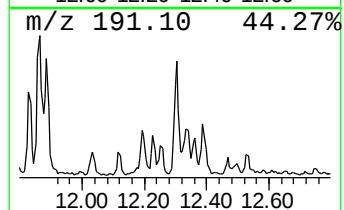
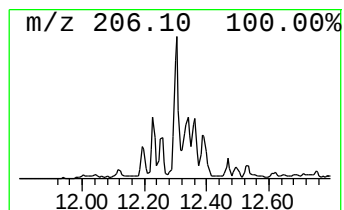
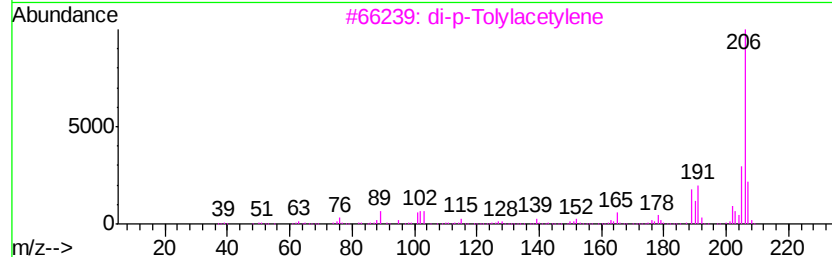
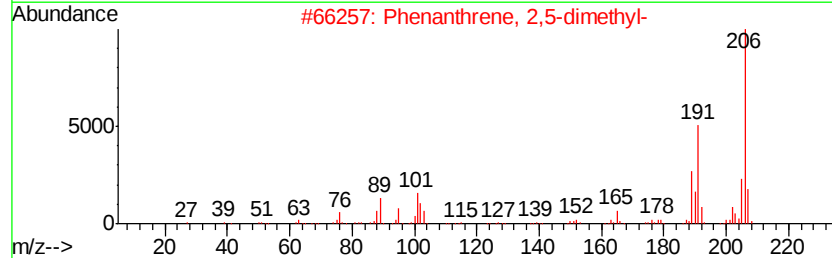
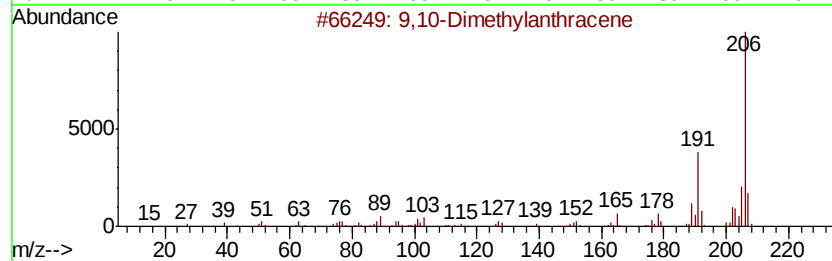
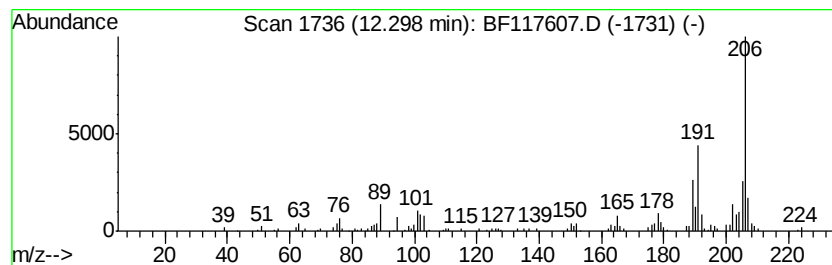
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Dimethylantracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	17.38 ng	173840	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	98
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
3		di-p-Tolylacetvlene	206	C16H14	002789-88-0	94
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117607.D
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Operator : JU
Sample : K5576-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

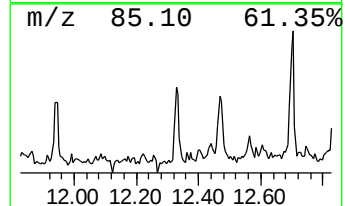
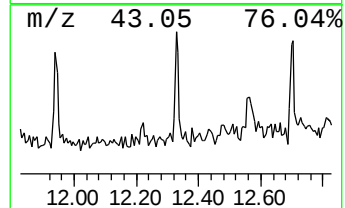
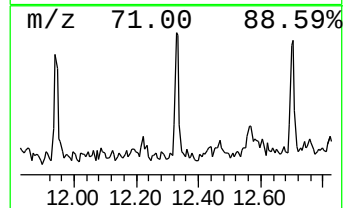
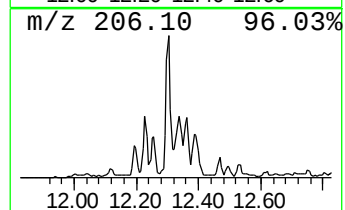
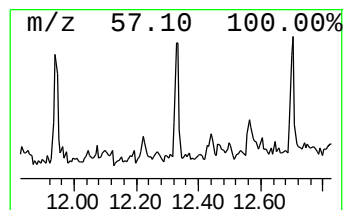
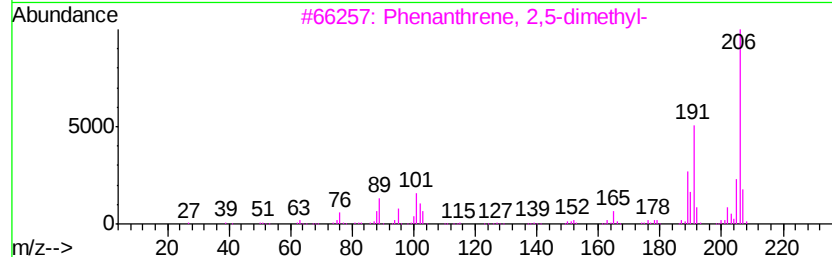
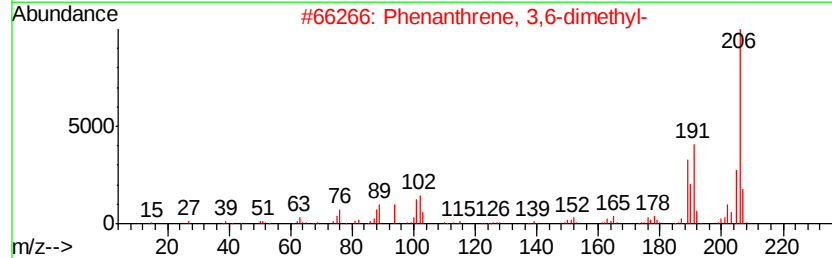
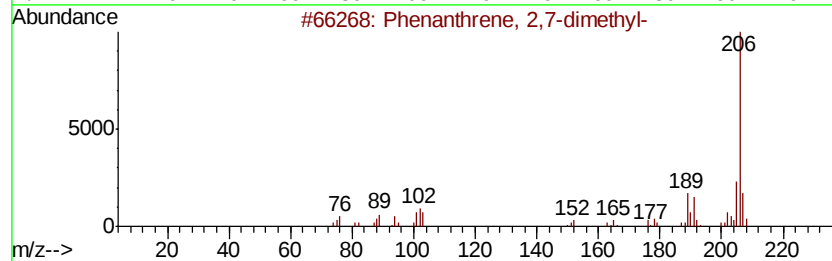
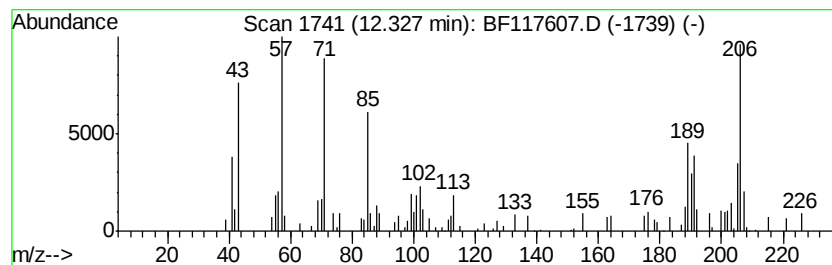
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.33	12.27 ng	122754	Phenanthrene-d10		11.25	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	60
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	58
5		Benzene, 1,1'-(1-cyclobutene-1,2...	206	C16H14	003306-02-3	49



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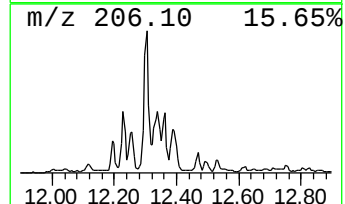
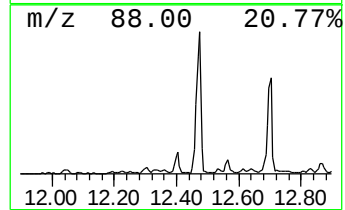
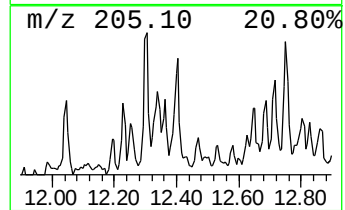
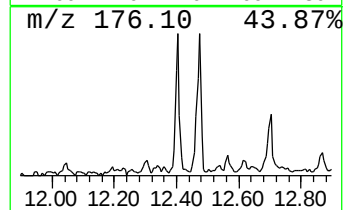
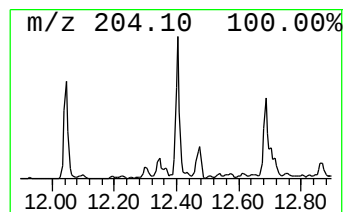
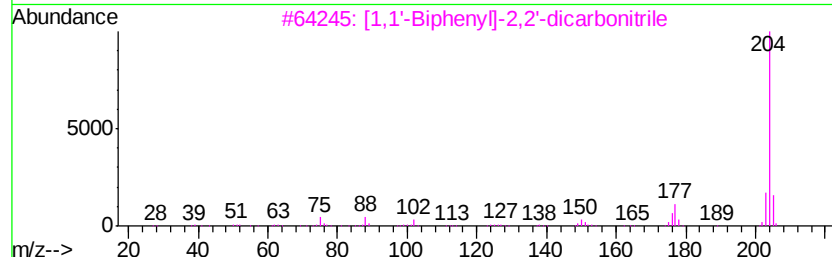
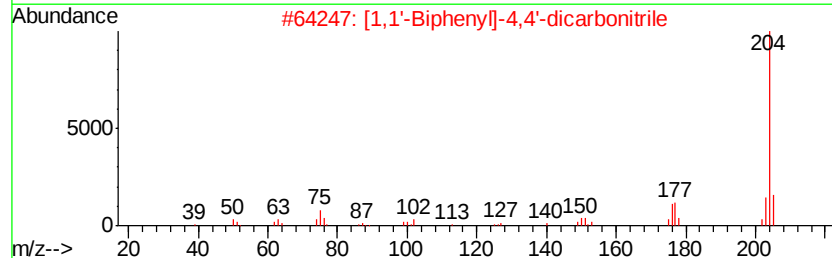
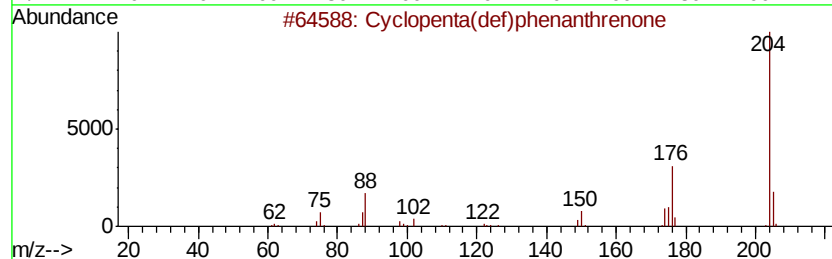
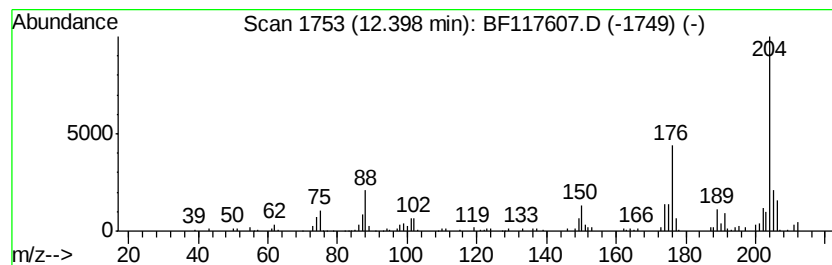
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	16.63 ng	166390	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	72
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
4		4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
5		4-Quinolinol, 5,8-dimethoxy-2-me...	219	C12H13NO3	1000337-90-3	45



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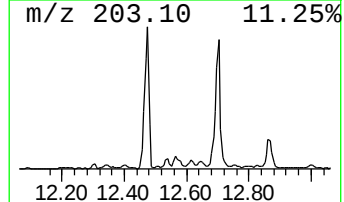
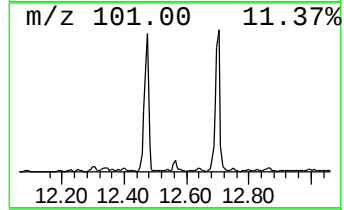
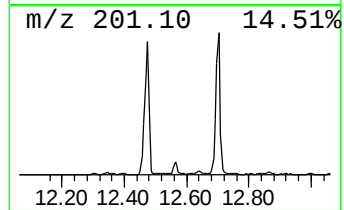
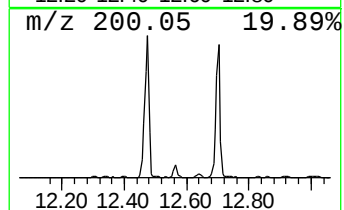
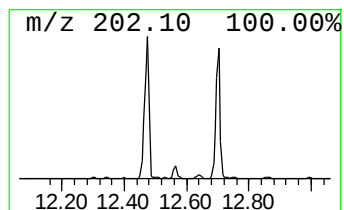
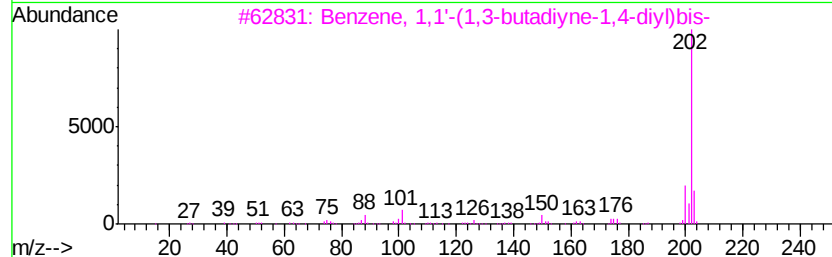
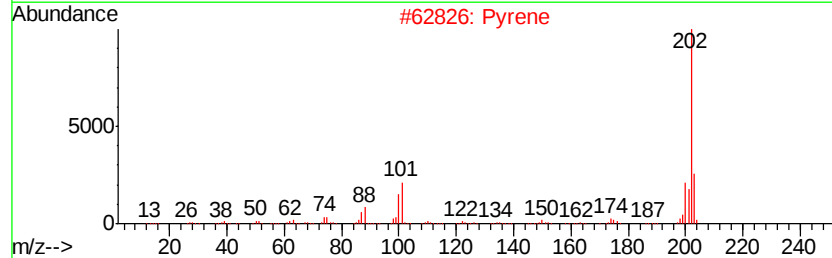
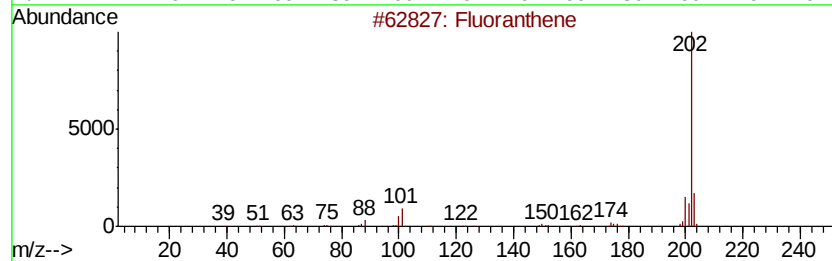
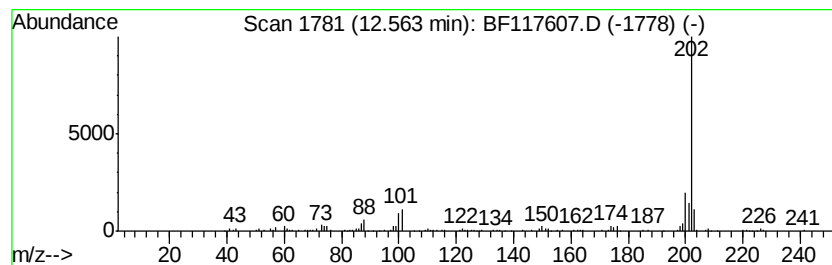
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	15.30 ng	153021	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene	202	C16H10	000206-44-0	90
2		Pyrene	202	C16H10	000129-00-0	81
3		Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	58
4		l-Leucine, N-methyl-N-(2-methoxy...	317	C16H31N05	1000328-54-0	50
5		l-Leucyl-l-leucine, N,N'-dimethy...	528	C29H56N2O6	1000328-59-7	50



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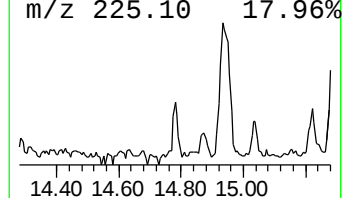
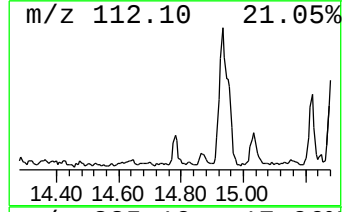
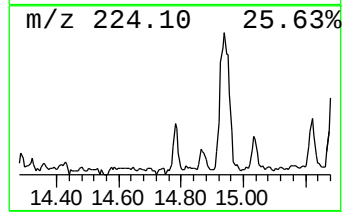
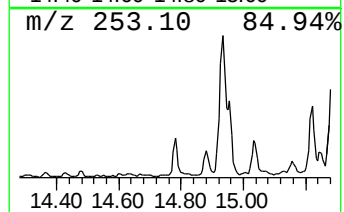
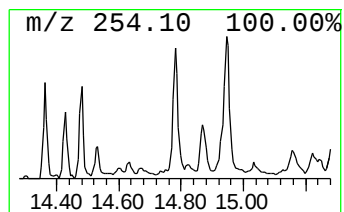
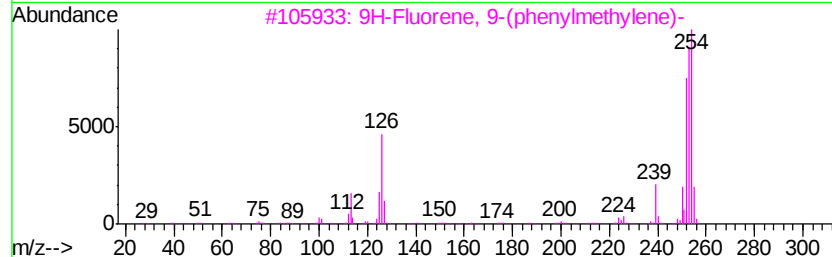
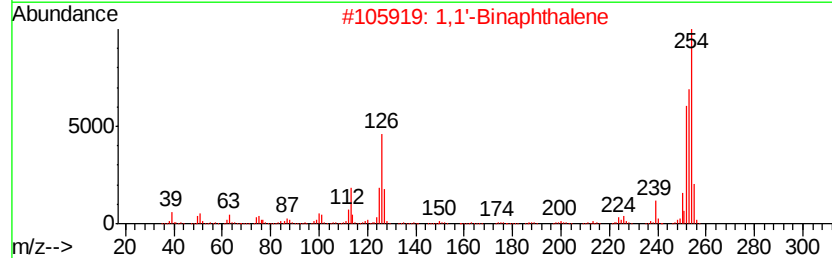
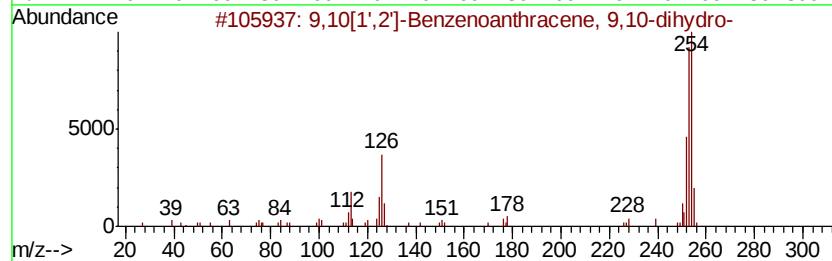
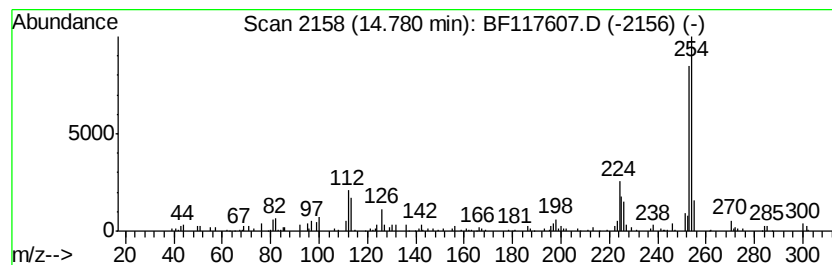
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,10[1',2']-Benzenoanthracene... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	13.85 ng	66453	Perylene-d12	15.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64
2		1,1'-Binaphthalene	254	C20H14	000604-53-5	64
3		9H-Fluorene, 9-(phenylmethyl)-	254	C20H14	001836-87-9	59
4		1,2'-Binaphthalene	254	C20H14	004325-74-0	59
5		Benzofuran-6-ol-3-one, 2-[4-hydr...	254	C15H10O4	1000128-64-9	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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Misc :
ALS Vial : 28 Sample Multiplier: 1

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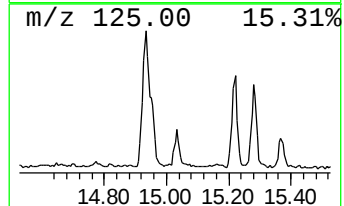
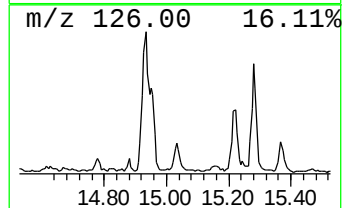
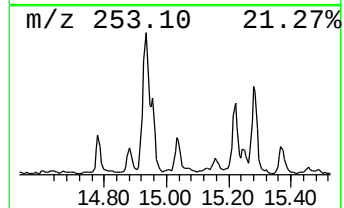
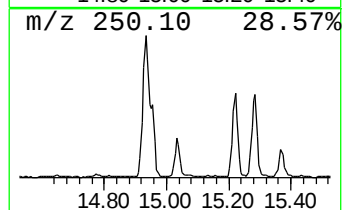
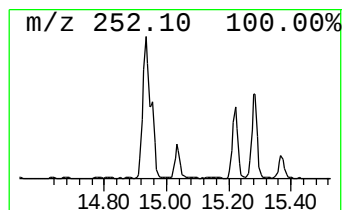
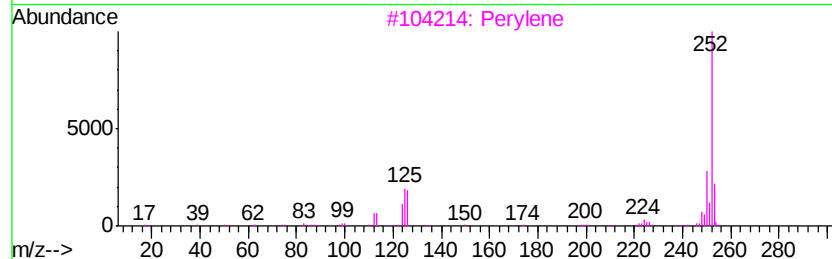
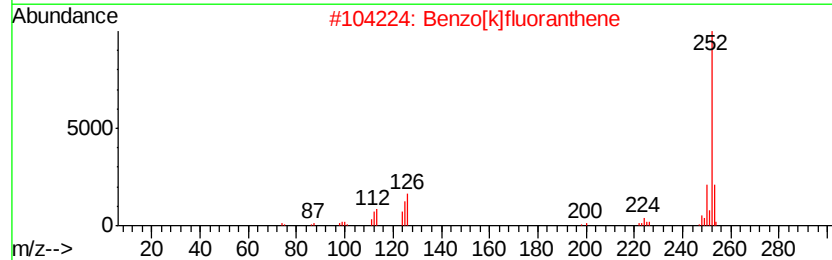
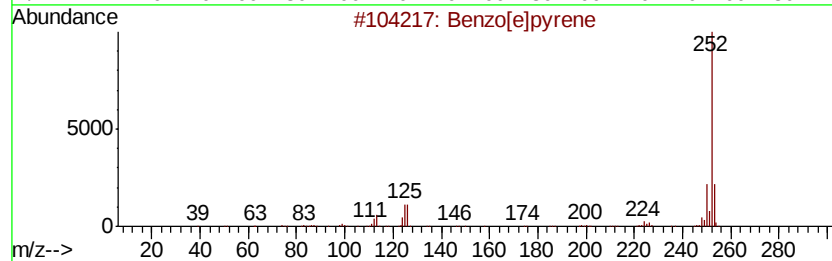
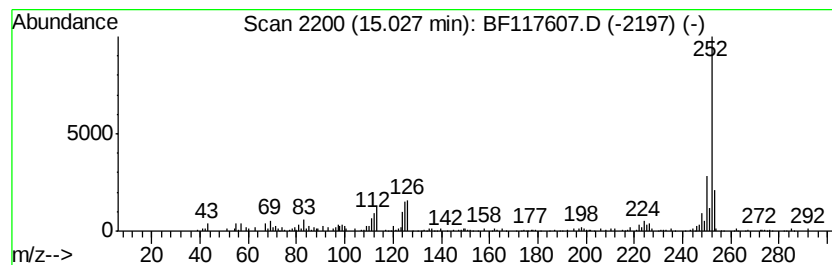
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	35.95 ng	172485	Perylene-d12	15.34

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	96
3		Perylene	252	C20H12	000198-55-0	96
4		Benzo[a]pyrene	252	C20H12	000050-32-8	94
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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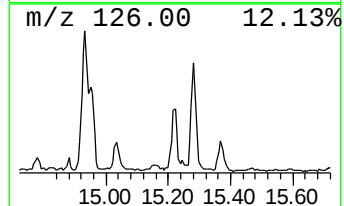
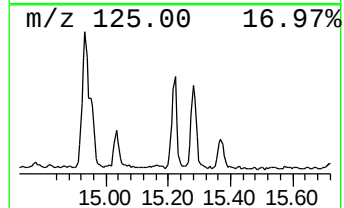
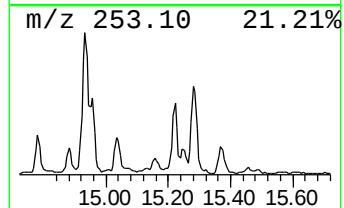
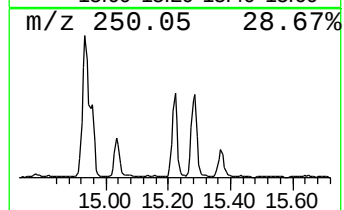
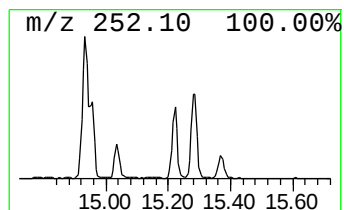
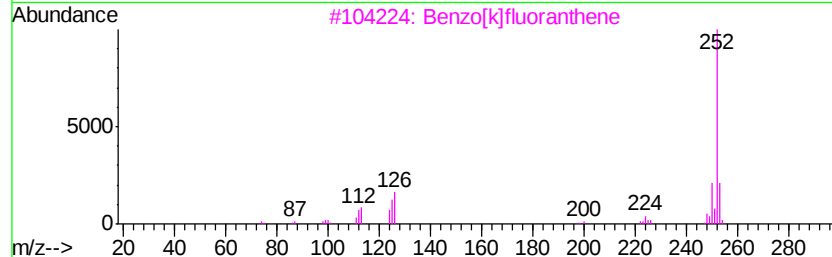
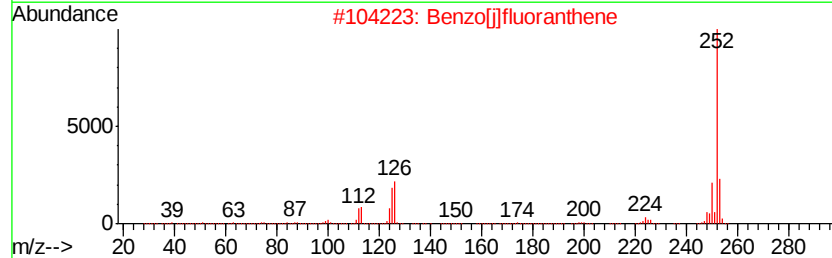
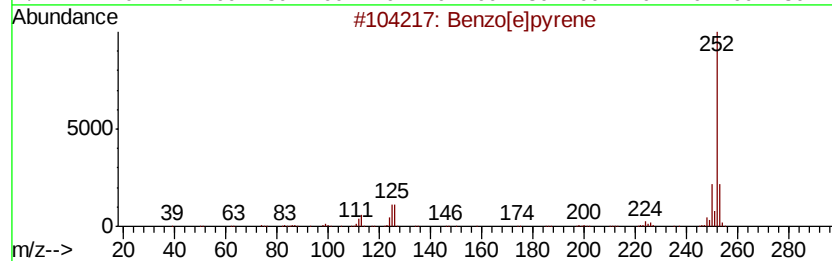
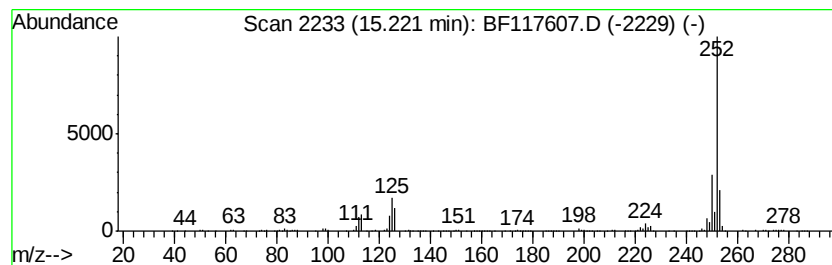
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	63.87 ng	306494	Perylene-d12	15.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[el]pyrene	252	C20H12	000192-97-2	97
2		Benzo[i]fluoranthene	252	C20H12	000205-82-3	93
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Perylene	252	C20H12	000198-55-0	93



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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CSA-2-1-6

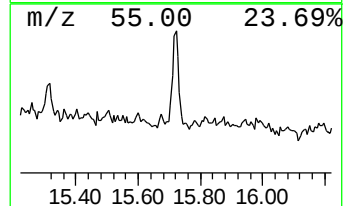
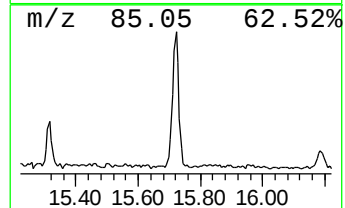
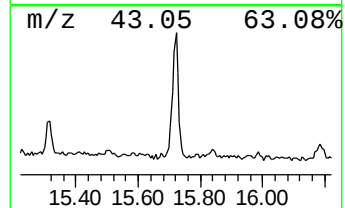
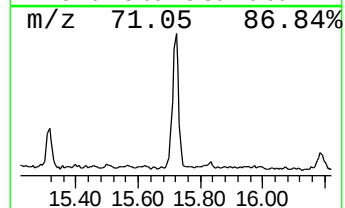
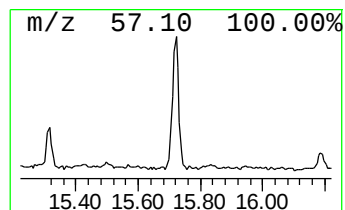
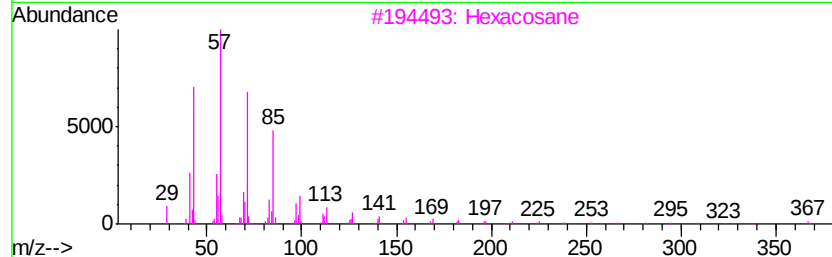
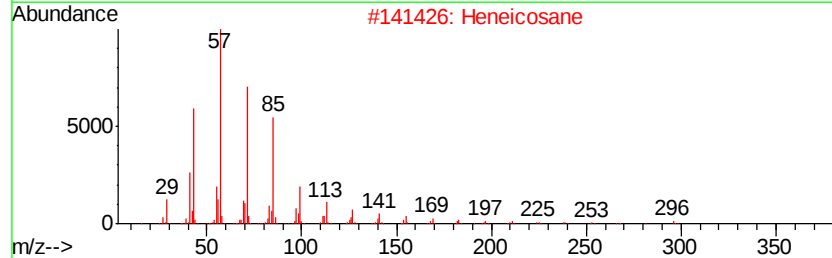
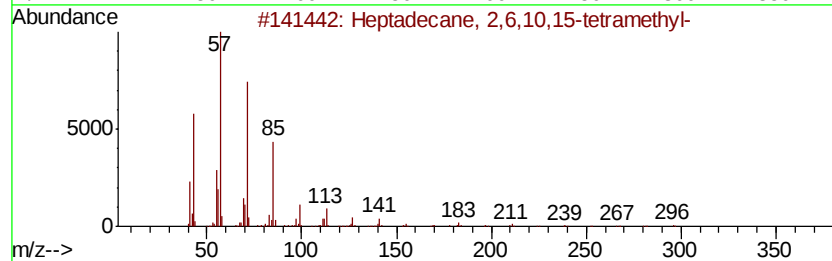
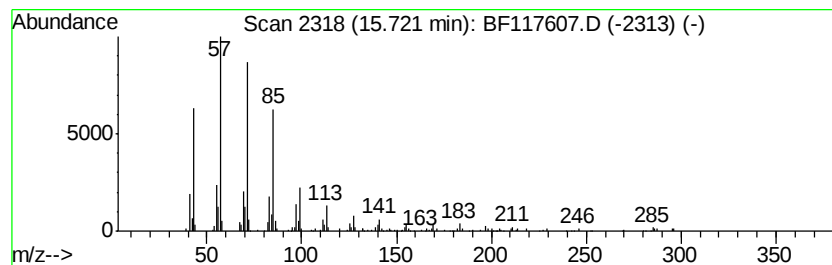
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Heptadecane, 2,6,10,15-tetr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	48.28 ng	231695	Perylene-d12	15.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
2		Heneicosane	296	C21H44	000629-94-7	91
3		Hexacosane	366	C26H54	000630-01-3	91
4		triacontane	422	C30H62	000638-68-6	91
5		2-methyltetracosane	352	C25H52	1000376-72-6	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117607.D
Acq On : 29 Oct 2019 23:26
Operator : JU
Sample : K5576-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-6

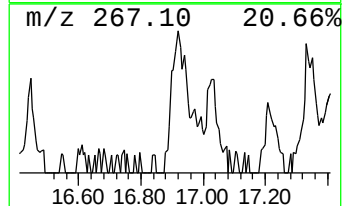
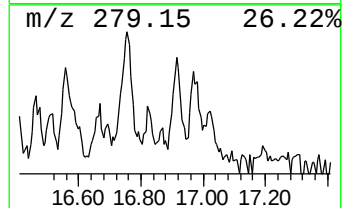
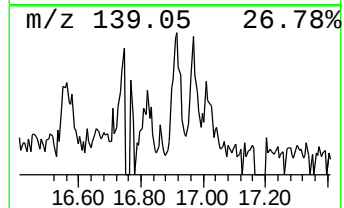
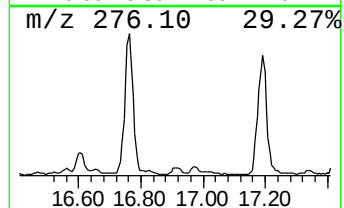
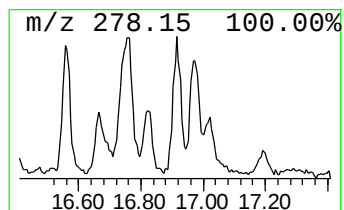
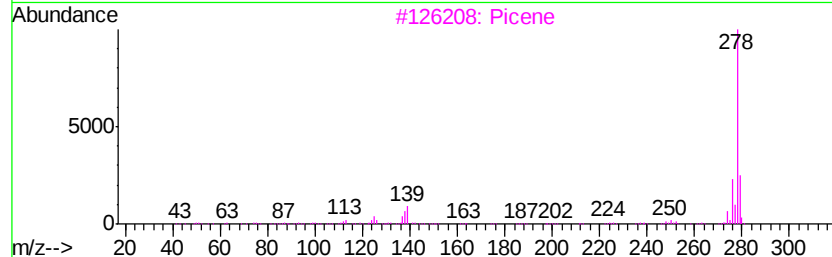
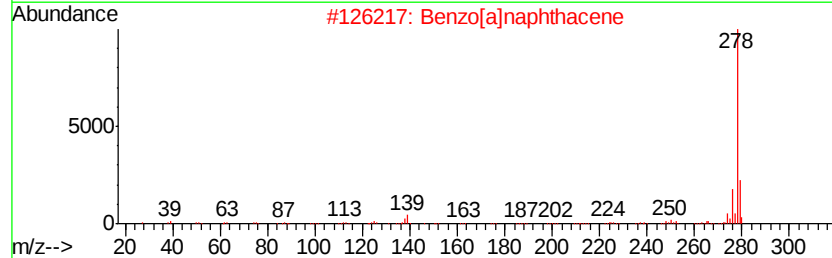
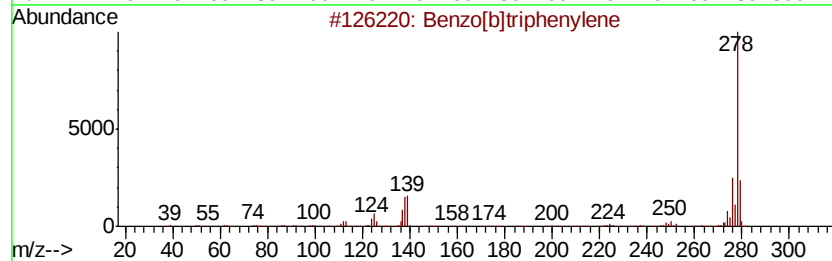
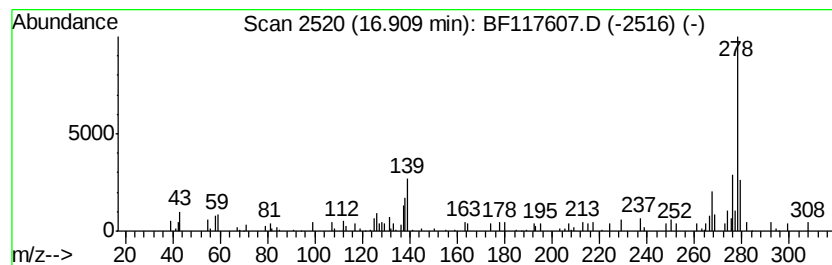
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]triphenylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	13.17 ng	63212	Perylene-d12	15.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	91
2		Benzo[a]naphthacene	278	C22H14	000226-88-0	86
3		Picene	278	C22H14	000213-46-7	83
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	83
5		Pentacene	278	C22H14	000135-48-8	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117607.D
Acq On : 29 Oct 2019 23:26
Operator : JU
Sample : K5576-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-6

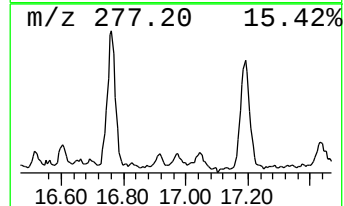
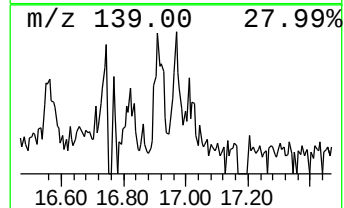
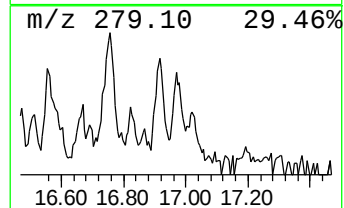
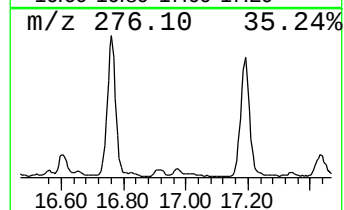
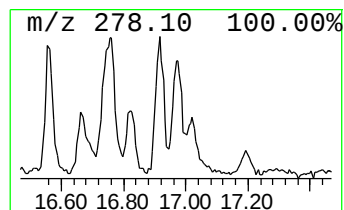
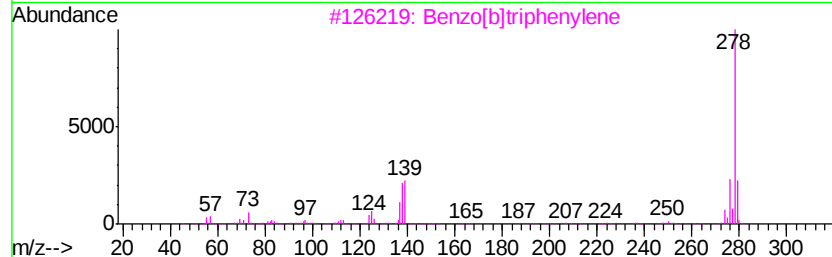
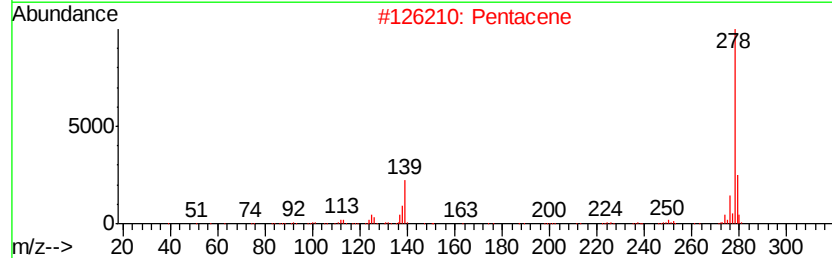
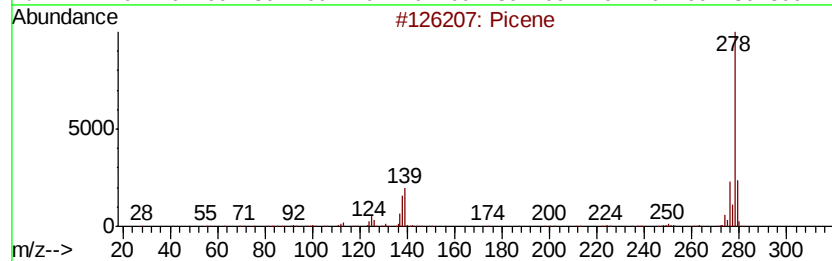
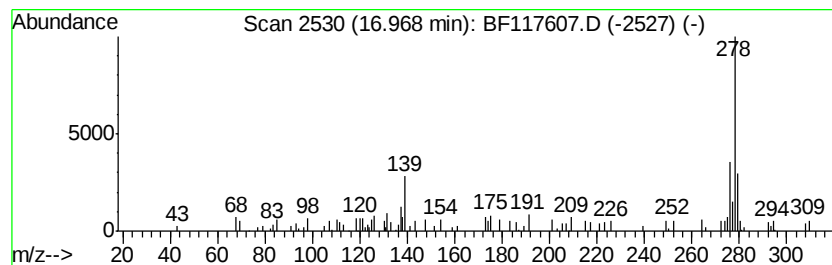
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Picene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	9.62 ng	46141	Perylene-d12	15.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Picene	278	C22H14	000213-46-7	76
2			Pentacene	278	C22H14	000135-48-8	68
3			Benzo[b]triphenylene	278	C22H14	000215-58-7	68
4			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	59
5			Dibenzo[b,h][1,6]naphthyridine, ...	278	C17H11ClN2	004240-91-9	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102919\
 Data File : BF117607.D
 Acq On : 29 Oct 2019 23:26
 Operator : JU
 Sample : K5576-17
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-1-6

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown4.92	4.92	11.2	ng	107349	1	6.73	190937	20.0
unknown6.50	6.50	71.7	ng	684250	1	6.73	190937	20.0
unknown10.67	10.67	8.1	ng	80931	4	11.25	200085	20.0
Phenanthrene, 1-m...	11.75	11.5	ng	115221	4	11.25	200085	20.0
Anthracene, 2-met...	11.78	21.1	ng	211614	4	11.25	200085	20.0
4H-Cyclopenta[def...	11.86	19.4	ng	193542	4	11.25	200085	20.0
1H-Indene, 2-phenyl-	11.89	9.7	ng	96878	4	11.25	200085	20.0
Naphthalene, 2-ph...	12.05	9.6	ng	96090	4	11.25	200085	20.0
9,10-Anthracenedione	12.09	13.1	ng	131143	4	11.25	200085	20.0
9,10-Dimethylanthe...	12.30	17.4	ng	173840	4	11.25	200085	20.0
Phenanthrene, 2,7...	12.33	12.3	ng	122754	4	11.25	200085	20.0
Cyclopenta(def)ph...	12.40	16.6	ng	166390	4	11.25	200085	20.0
Benzene, 1,1'-(1,...	12.56	15.3	ng	153021	4	11.25	200085	20.0
9,10[1',2']-Benze...	14.78	13.9	ng	66453	6	15.34	95971	20.0
Benzo[e]pyrene	15.03	36.0	ng	172485	6	15.34	95971	20.0
Perylene	15.22	63.9	ng	306494	6	15.34	95971	20.0
Heptadecane, 2,6,...	15.72	48.3	ng	231695	6	15.34	95971	20.0
Benzo[b]triphenylene	16.91	13.2	ng	63212	6	15.34	95971	20.0
Picene	16.97	9.6	ng	46141	6	15.34	95971	20.0