

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117585.D
 Acq On : 29 Oct 2019 12:44
 Operator : JU
 Sample : K5503-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 173-96-(0-2)

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	4.934	481	484	498	rBV	26902	44545	4.43%	0.418%
2	5.357	552	556	578	rBV	714896	886173	88.15%	8.310%
3	6.387	727	731	747	rBV	828206	990596	98.54%	9.289%
4	6.504	747	751	760	rVB	1101677	1005315	100.00%	9.427%
5	6.728	786	789	799	rVB	292558	261146	25.98%	2.449%
6	6.881	812	815	828	rBV	769489	678139	67.46%	6.359%
7	7.292	882	885	906	rBV	500473	580307	57.72%	5.442%
8	8.010	1003	1007	1028	rBV	292530	338803	33.70%	3.177%
9	9.081	1185	1189	1202	rBV	995797	878045	87.34%	8.234%
10	9.481	1254	1257	1265	rVB	56890	53437	5.32%	0.501%
11	9.757	1301	1304	1309	rBV	331766	325477	32.38%	3.052%
12	10.316	1395	1399	1404	rBB	10428	11051	1.10%	0.104%
13	10.557	1436	1440	1455	rBV	376757	412816	41.06%	3.871%
14	11.245	1554	1557	1559	rBV	264709	241118	23.98%	2.261%
15	11.269	1559	1561	1568	rVV	191925	193121	19.21%	1.811%
16	11.327	1568	1571	1575	rVB	31960	29913	2.98%	0.281%
17	11.498	1594	1600	1604	rBV2	11257	17222	1.71%	0.161%
18	11.751	1640	1643	1645	rBV	26446	22389	2.23%	0.210%
19	11.780	1645	1648	1653	rVB2	50141	57366	5.71%	0.538%
20	11.863	1659	1662	1665	rBV	39867	43096	4.29%	0.404%
21	11.886	1665	1666	1672	rVB	19077	15391	1.53%	0.144%
22	12.045	1690	1693	1696	rBV	16732	14394	1.43%	0.135%
23	12.092	1699	1701	1704	rBV2	13177	12905	1.28%	0.121%
24	12.298	1733	1736	1739	rBV	20565	18466	1.84%	0.173%
25	12.339	1739	1743	1745	rVV4	9420	13729	1.37%	0.129%
26	12.398	1748	1753	1758	rBV2	16190	19714	1.96%	0.185%
27	12.463	1761	1764	1770	rBV	368651	321394	31.97%	3.014%
28	12.616	1787	1790	1793	rBV	16453	13750	1.37%	0.129%
29	12.692	1797	1803	1809	rVV	319608	337554	33.58%	3.165%
30	12.745	1809	1812	1816	rVB3	13941	15419	1.53%	0.145%
31	12.827	1822	1826	1829	rBV	690196	565209	56.22%	5.300%
32	12.863	1830	1832	1836	rVB	14409	14177	1.41%	0.133%
33	12.916	1836	1841	1845	rBV3	19575	34480	3.43%	0.323%
34	13.004	1852	1856	1857	rBV3	15332	21323	2.12%	0.200%

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35	13.021	1857	1859	1862	rVB	27310	26473	2.63%	0.248%
36	13.086	1868	1870	1872	rBV	17366	13102	1.30%	0.123%
37	13.127	1872	1877	1881	rBV2	29278	36370	3.62%	0.341%
38	13.221	1890	1893	1895	rBV	15817	12703	1.26%	0.119%
39	13.251	1895	1898	1904	rVV2	19471	20066	2.00%	0.188%
40	13.398	1918	1923	1925	rBV5	9608	11437	1.14%	0.107%
41	13.545	1945	1948	1953	rVB	28783	29600	2.94%	0.278%
42	13.645	1959	1965	1967	rBV2	33316	43860	4.36%	0.411%
43	13.698	1971	1974	1975	rBV	20546	17763	1.77%	0.167%
44	13.727	1976	1979	1982	rBV4	31557	45182	4.49%	0.424%
45	13.857	1999	2001	2002	rBV	14862	11618	1.16%	0.109%
46	13.892	2002	2007	2010	rVV2	350278	496725	49.41%	4.658%
47	13.916	2010	2011	2018	rVB	162815	149630	14.88%	1.403%
48	13.998	2023	2025	2028	rVB	21631	19978	1.99%	0.187%
49	14.039	2029	2032	2033	rBV3	12158	11883	1.18%	0.111%
50	14.063	2033	2036	2040	rVB6	10741	13517	1.34%	0.127%
51	14.133	2046	2048	2051	rVB	15144	14187	1.41%	0.133%
52	14.280	2069	2073	2077	rBV	36021	47136	4.69%	0.442%
53	14.345	2081	2084	2088	rVV3	33967	46054	4.58%	0.432%
54	14.404	2092	2094	2101	rVB3	31691	46210	4.60%	0.433%
55	14.474	2101	2106	2109	rBV5	13296	22360	2.22%	0.210%
56	14.615	2125	2130	2131	rBV5	23848	30440	3.03%	0.285%
57	14.639	2132	2134	2137	rVB	35202	36253	3.61%	0.340%
58	14.710	2144	2146	2149	rVB3	18527	16085	1.60%	0.151%
59	14.774	2154	2157	2161	rVV6	25155	26485	2.63%	0.248%
60	14.921	2178	2182	2185	rBV	153402	214428	21.33%	2.011%
61	15.027	2197	2200	2204	rVB	27692	28730	2.86%	0.269%
62	15.210	2228	2231	2237	rVB	79602	89383	8.89%	0.838%
63	15.274	2238	2242	2245	rBV	103121	122811	12.22%	1.152%
64	15.327	2245	2251	2255	rBV	173003	239742	23.85%	2.248%
65	15.721	2313	2318	2321	rVB2	31929	45205	4.50%	0.424%
66	16.180	2393	2396	2401	rVB5	19888	31667	3.15%	0.297%
67	16.745	2486	2492	2500	rVB	38078	88059	8.76%	0.826%
68	17.180	2561	2566	2573	rVB2	26089	60350	6.00%	0.566%
69	17.415	2604	2606	2612	rVB6	7446	10608	1.06%	0.099%

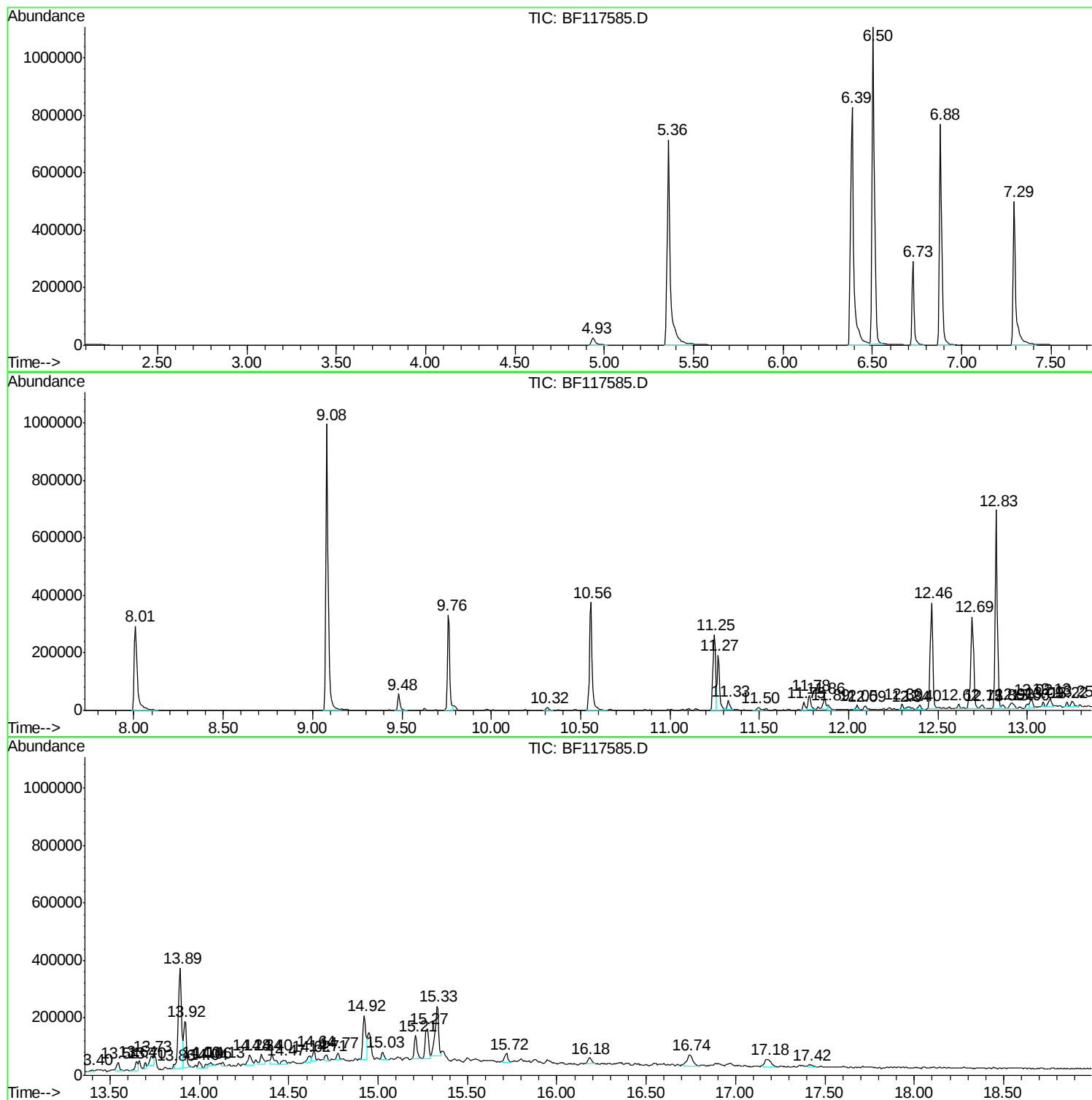
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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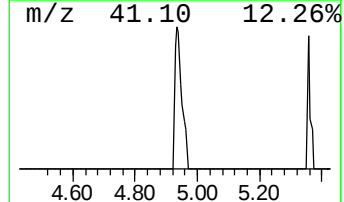
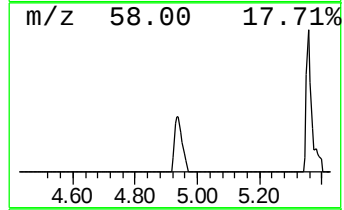
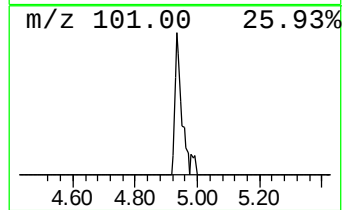
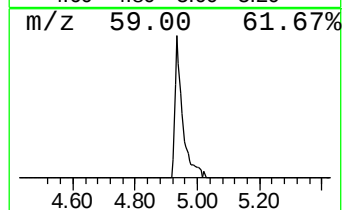
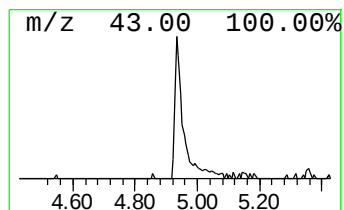
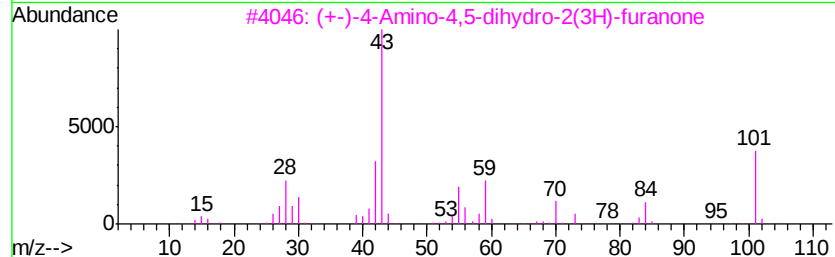
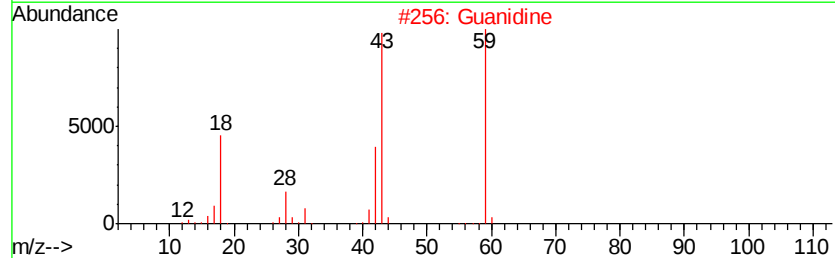
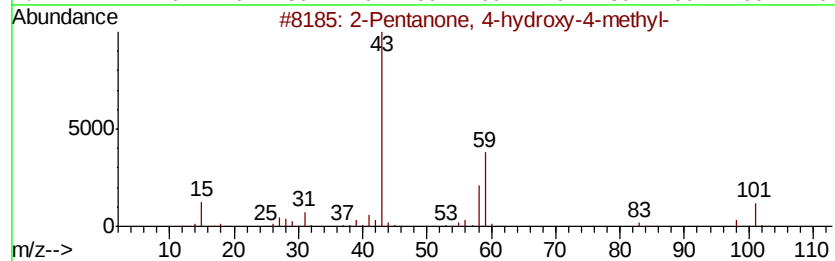
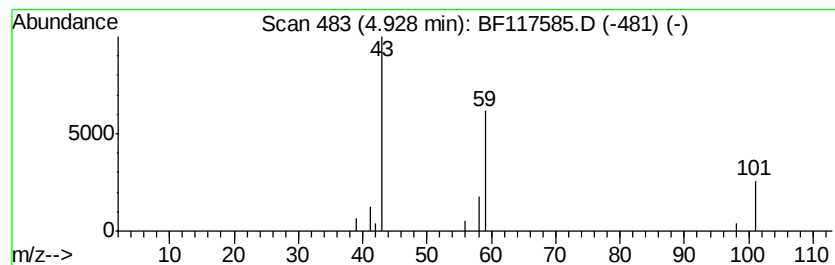
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	3.41 ng	44545	1,4-Dichlorobenzene-d4	6.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Guanidine	59	CH5N3	000113-00-8	43
3			(+)-4-Amino-4,5-dihydro-2(3H)-furanone	101	C4H7NO2	016504-58-8	25
4			5-Hexen-2-one	98	C6H10O	000109-49-9	9
5			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9



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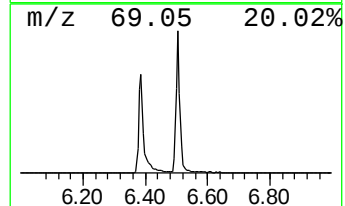
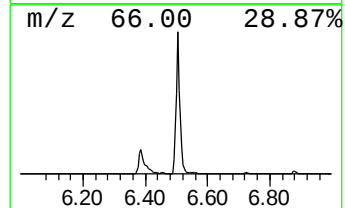
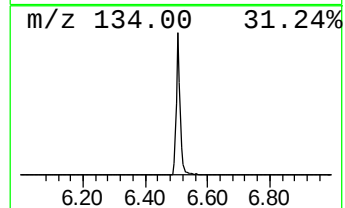
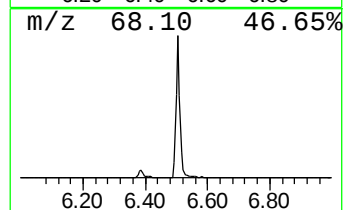
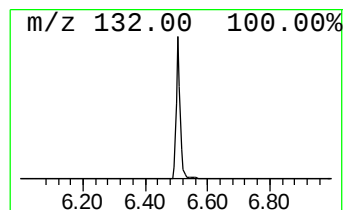
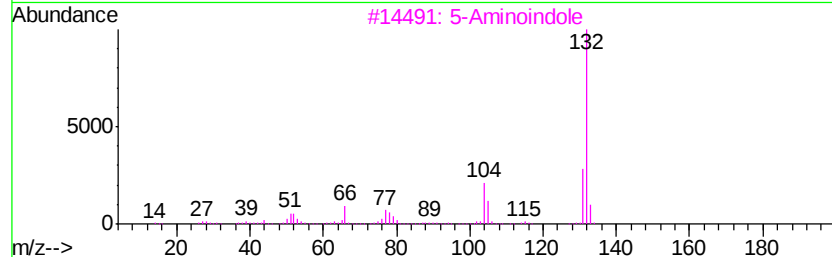
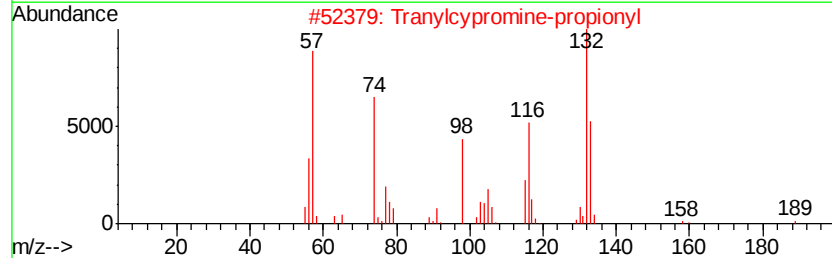
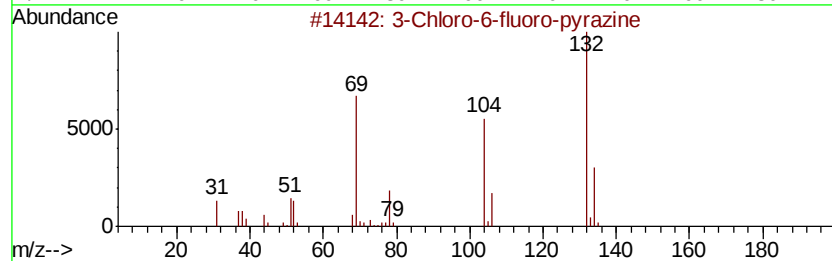
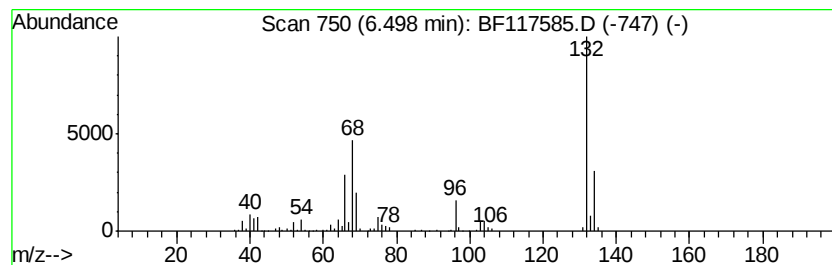
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	76.99 ng	1005320	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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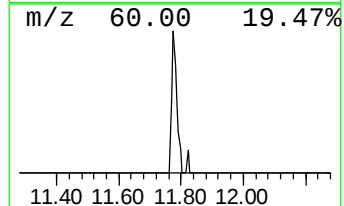
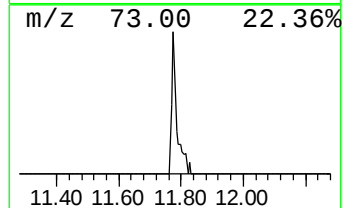
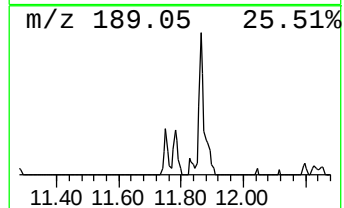
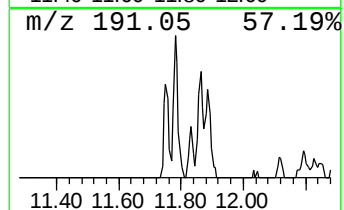
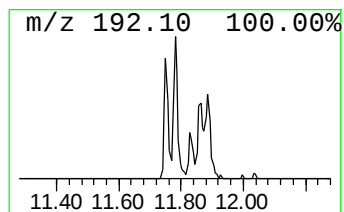
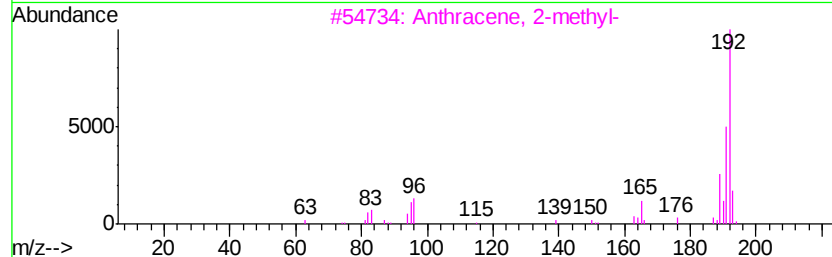
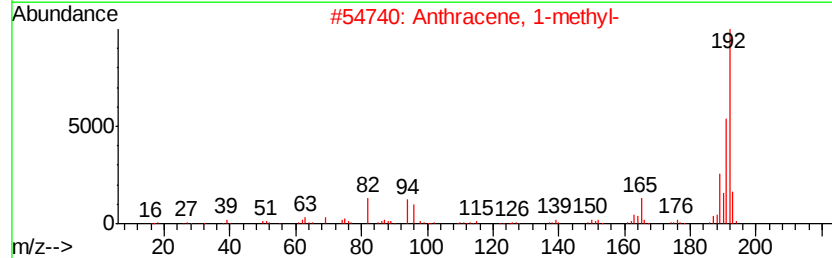
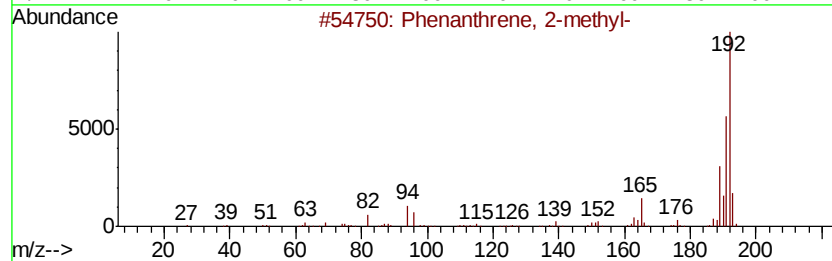
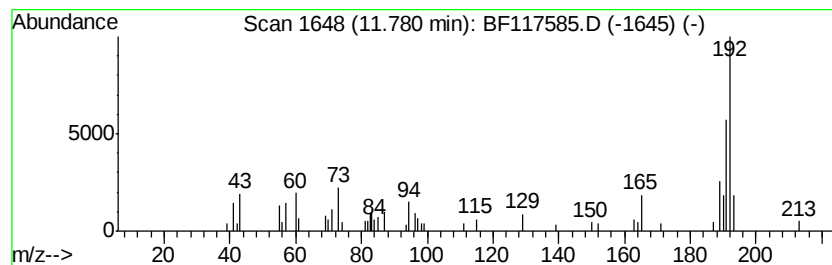
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Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.78	4.76 ng	57366	Phenanthrene-d10		11.25
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	64



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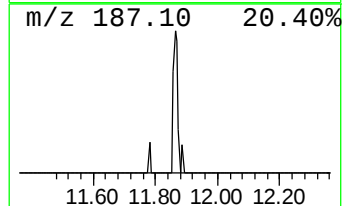
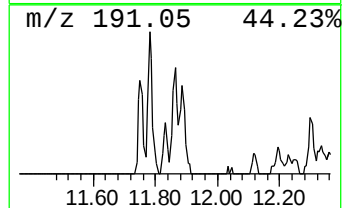
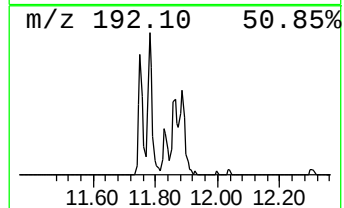
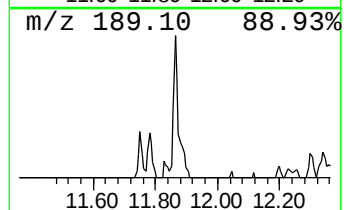
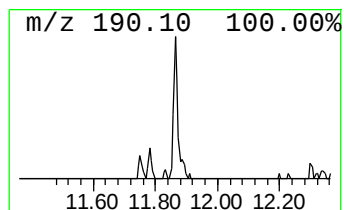
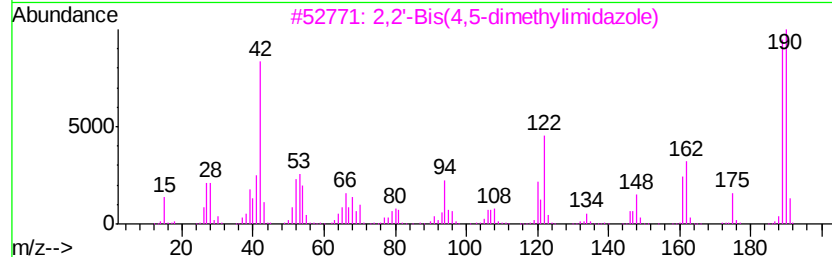
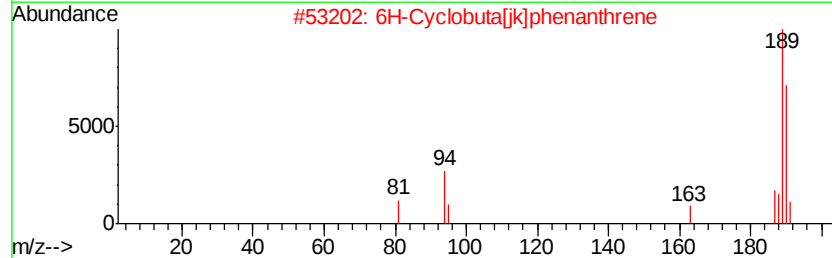
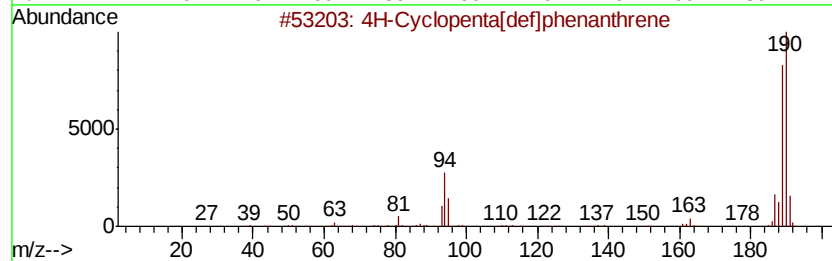
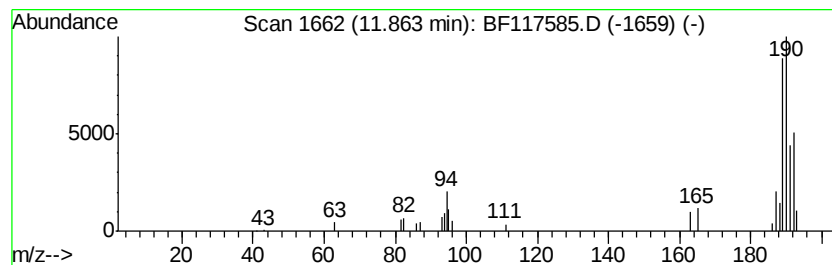
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Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	3.57 ng	43096	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	43
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117585.D
Acq On : 29 Oct 2019 12:44
Operator : JU
Sample : K5503-09
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ClientSampleId :
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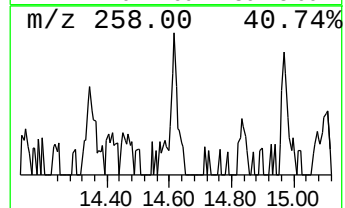
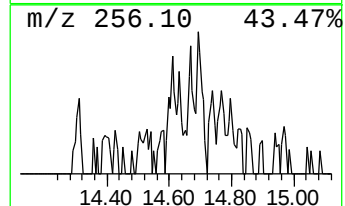
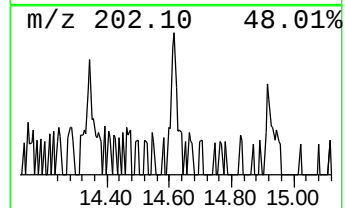
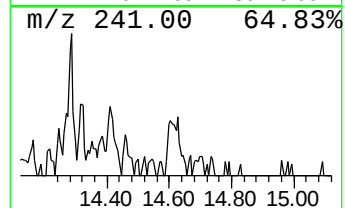
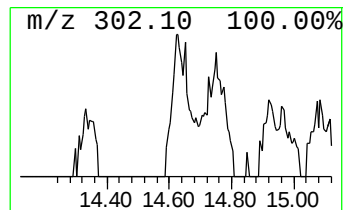
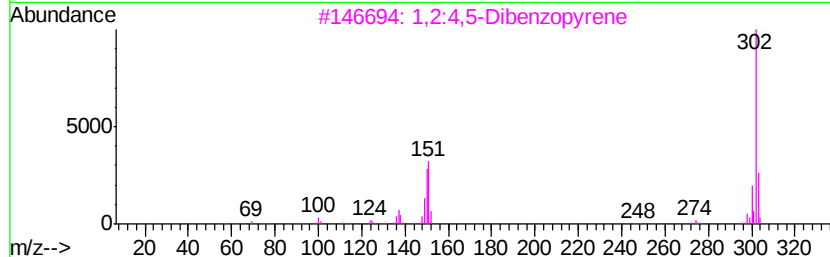
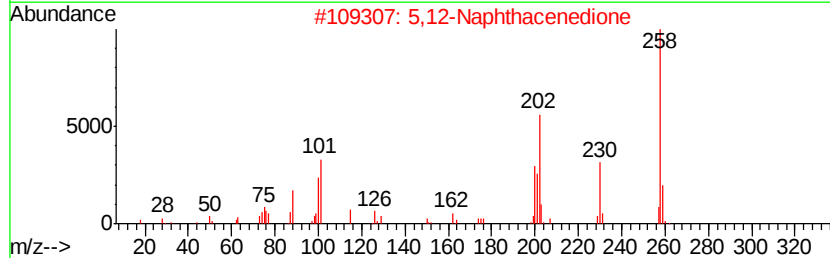
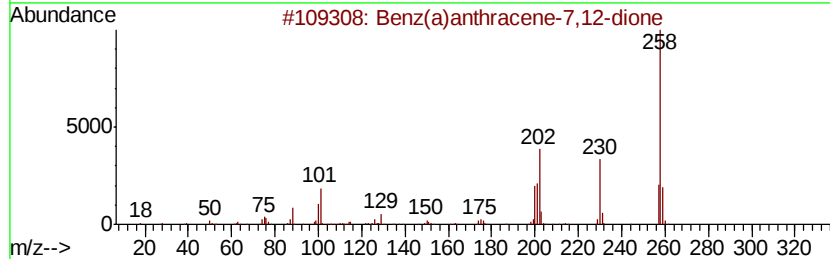
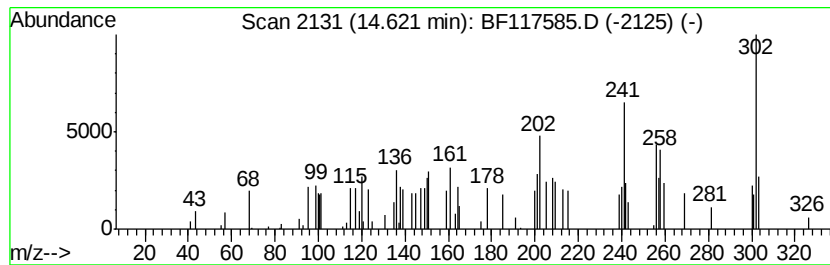
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown14.62 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	2.54 ng	30440	Perylene-d12	15.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	42
2			5,12-Naphthacenedione	258	C18H10O2	001090-13-7	27
3			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	11
4			3-(6-Methoxy-3-methyl-2-benzofur...	258	C16H18O3	1000239-79-6	10
5			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	10



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117585.D
Acq On : 29 Oct 2019 12:44
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Misc :
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ClientSampleId :
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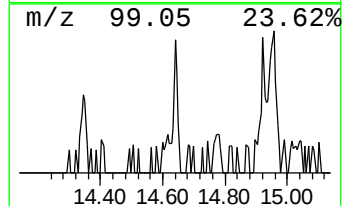
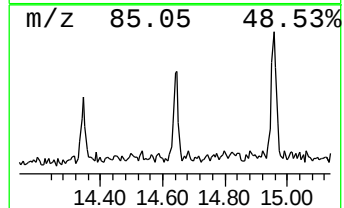
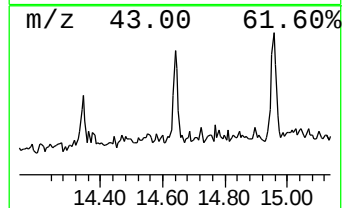
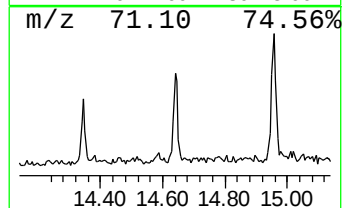
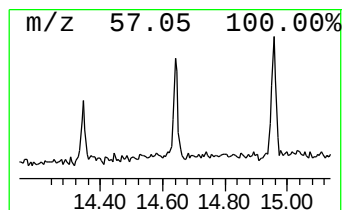
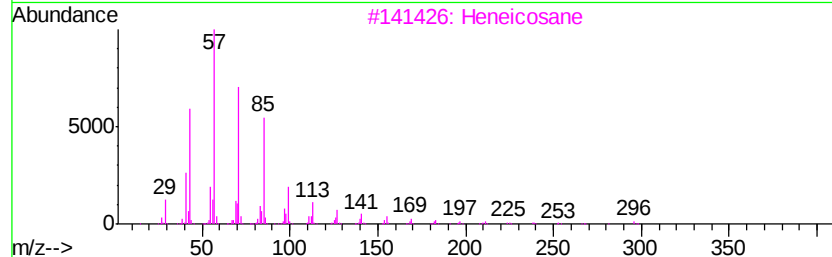
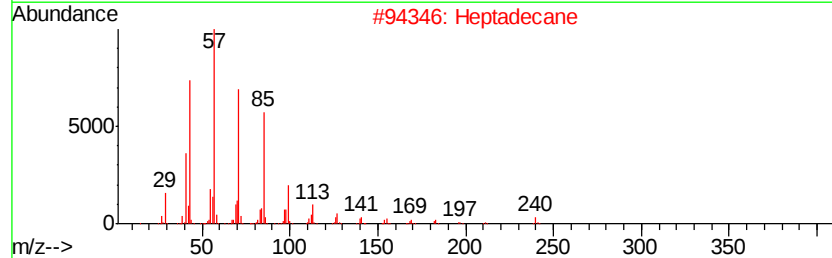
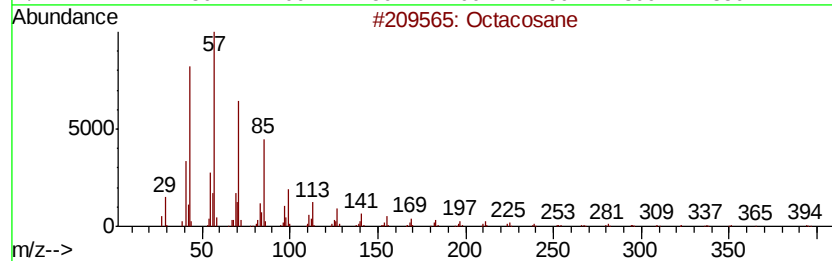
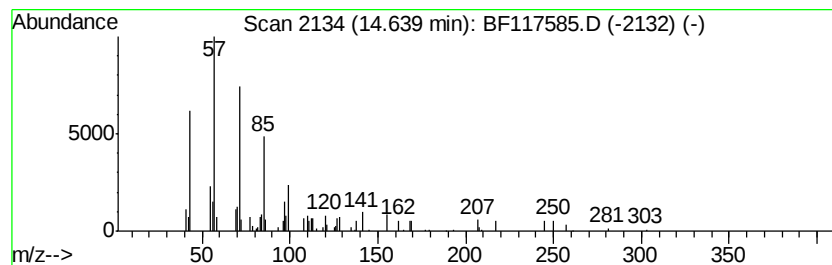
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	3.02 ng	36253	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	87
2		Heptadecane	240	C17H36	000629-78-7	80
3		Heneicosane	296	C21H44	000629-94-7	80
4		Hexacosane	366	C26H54	000630-01-3	74
5		Tritetracontane	605	C43H88	007098-21-7	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117585.D
Acq On : 29 Oct 2019 12:44
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Sample : K5503-09
Misc :
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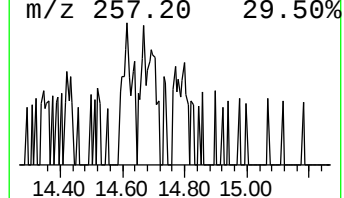
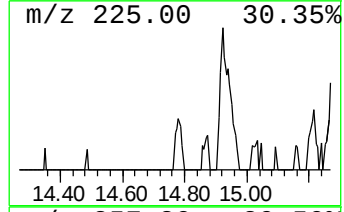
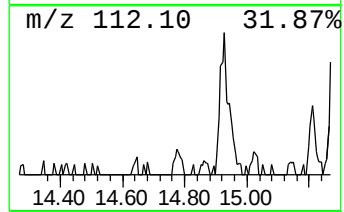
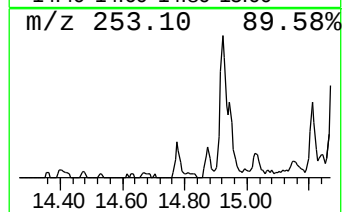
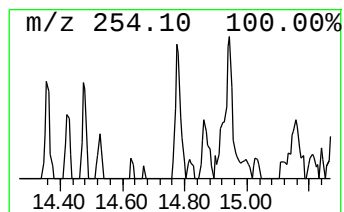
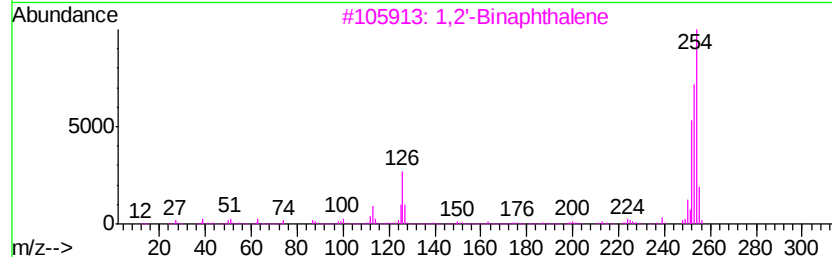
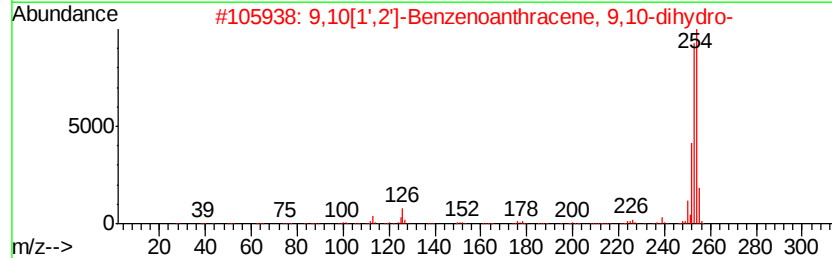
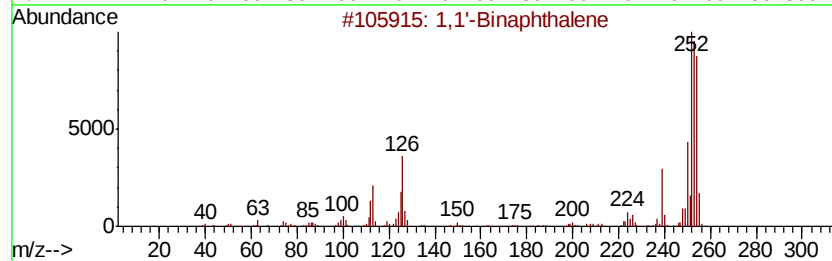
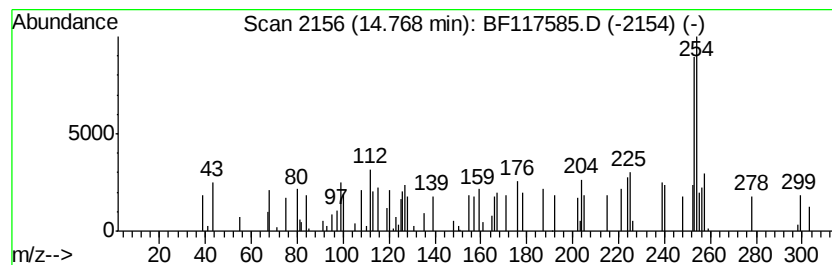
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1,1'-Binaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	2.21 ng	26485	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	53
2		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	50
3		1,2'-Binaphthalene	254	C20H14	004325-74-0	50
4		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	50
5		Benzofuran-6-ol-3-one, 2-[4-hydr...	254	C15H10O4	1000128-64-9	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117585.D
Acq On : 29 Oct 2019 12:44
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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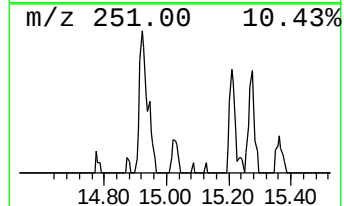
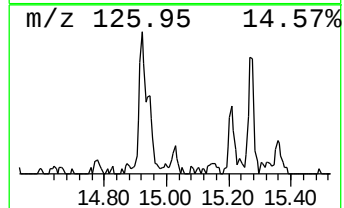
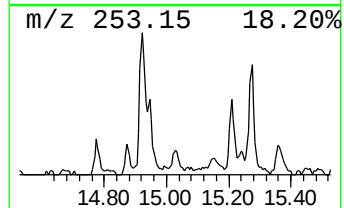
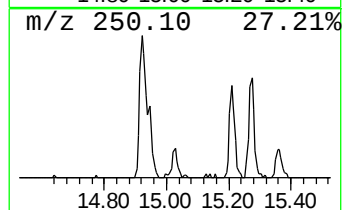
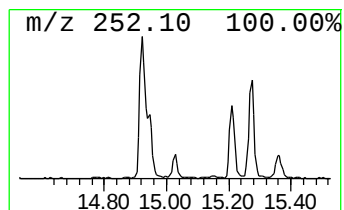
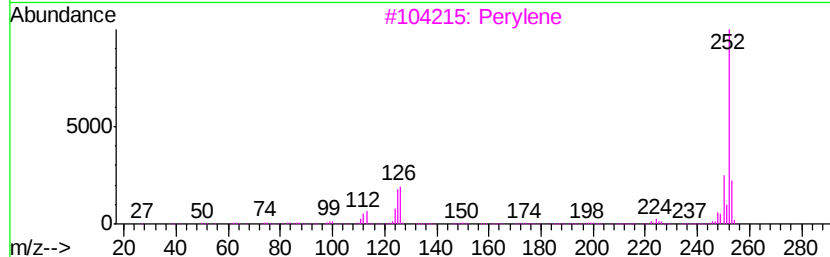
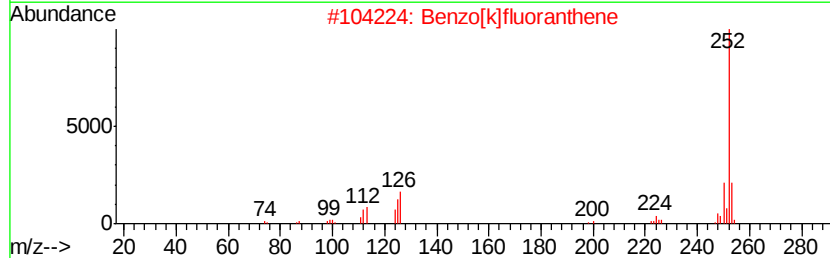
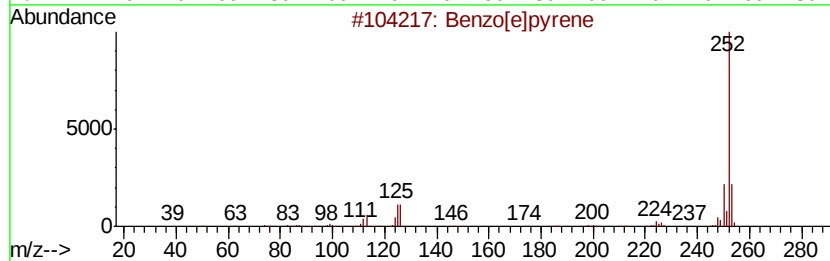
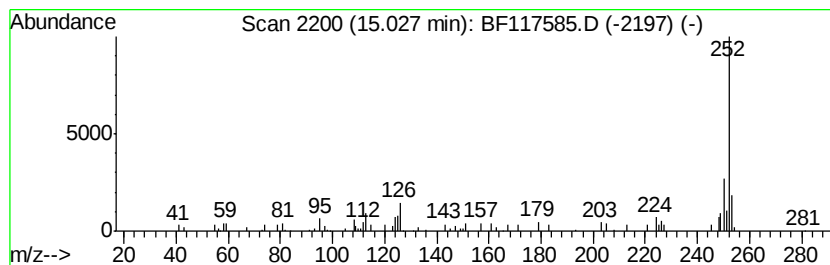
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	2.40 ng	28730	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	76
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
3		Perylene	252	C20H12	000198-55-0	76
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	68
5		Benzo[a]pyrene	252	C20H12	000050-32-8	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117585.D
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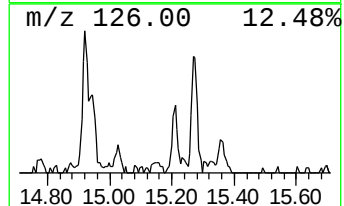
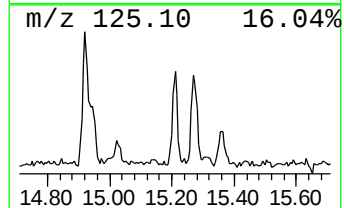
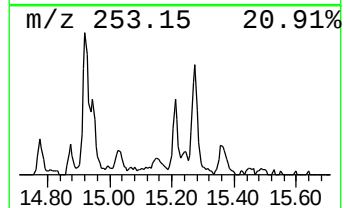
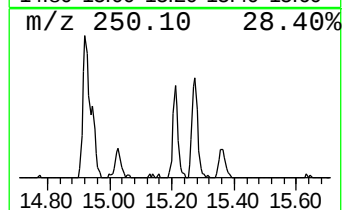
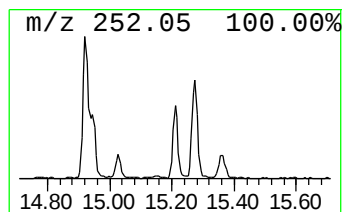
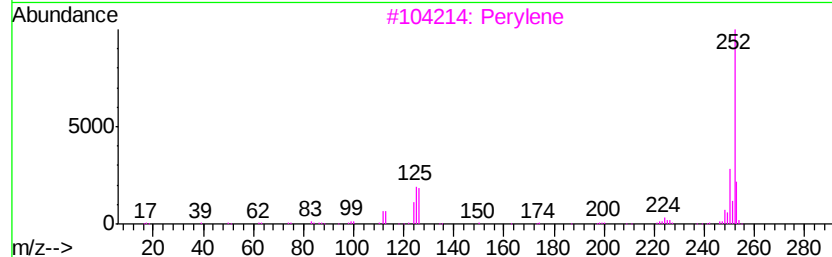
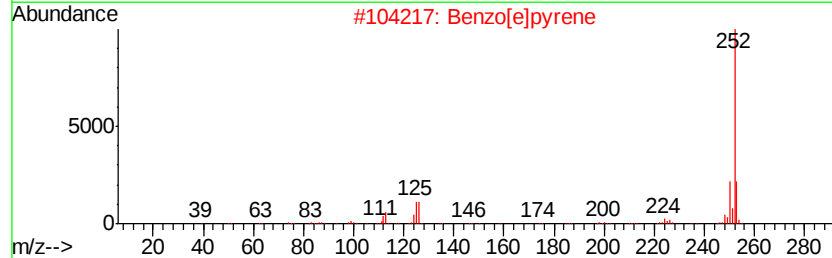
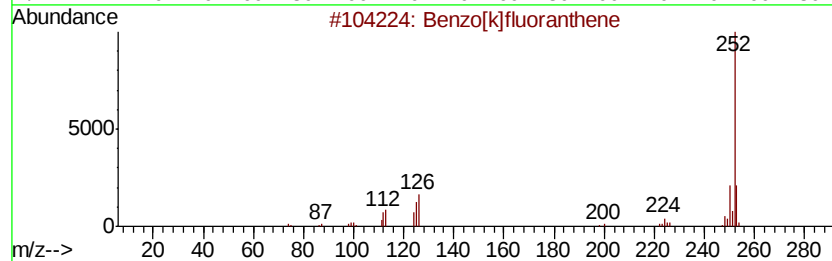
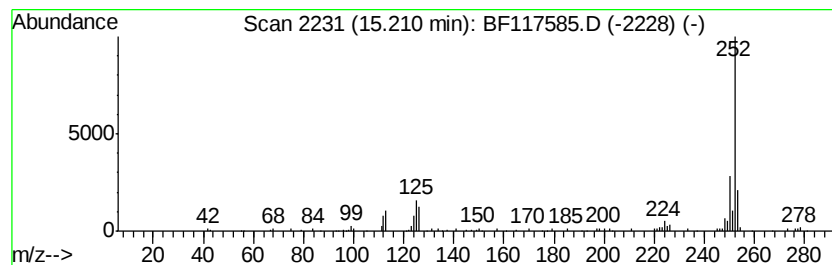
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	7.46 ng	89383	Perylene-d12	15.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2			Benzo[e]pyrene	252	C20H12	000192-97-2	98
3			Perylene	252	C20H12	000198-55-0	96
4			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117585.D
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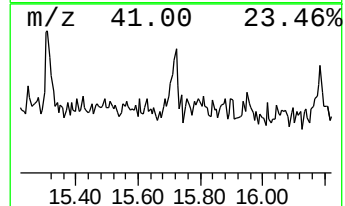
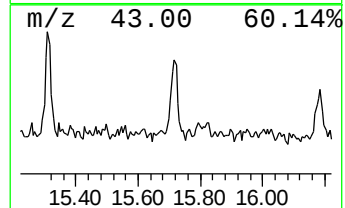
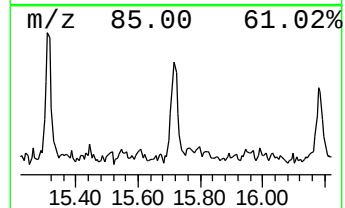
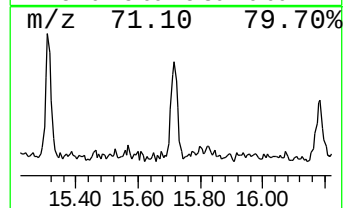
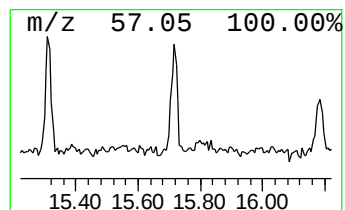
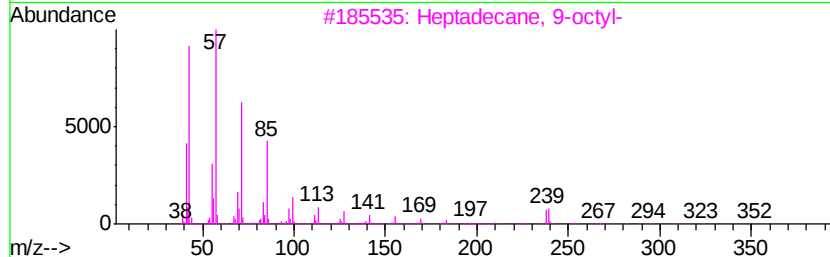
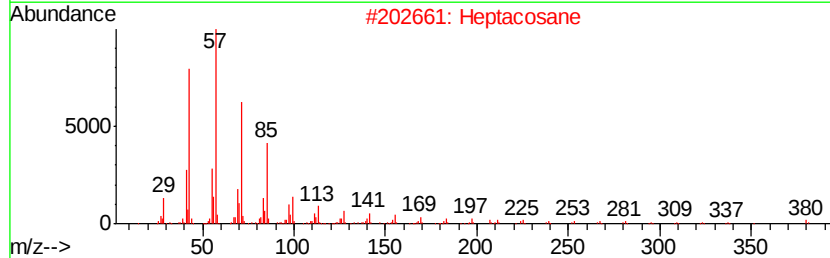
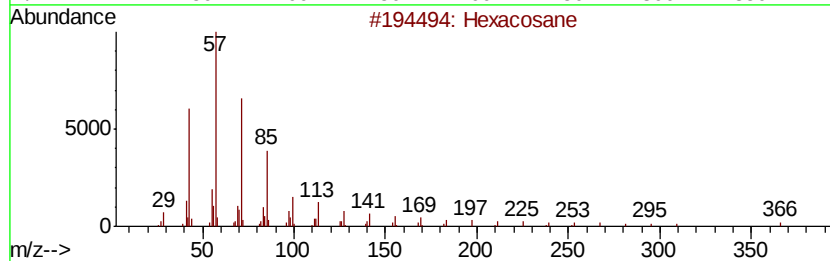
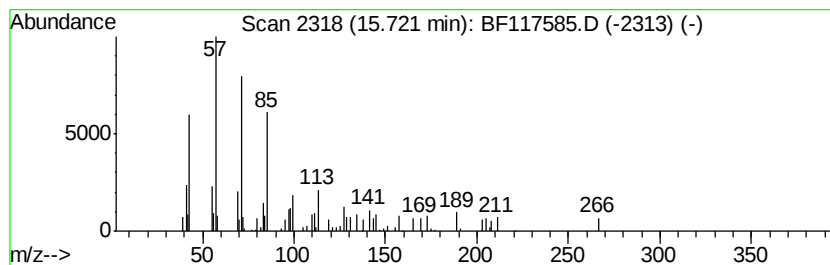
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	3.77 ng	45205	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	86
2		Heptacosane	380	C27H56	000593-49-7	80
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	80
4		triacontane	422	C30H62	000638-68-6	72
5		Pentacosane	352	C25H52	000629-99-2	72



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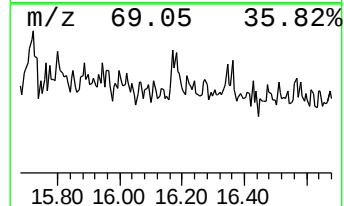
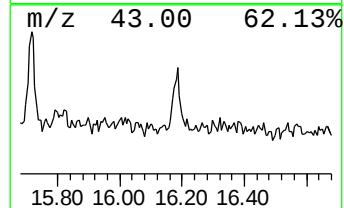
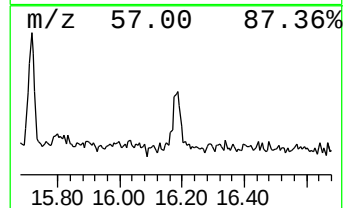
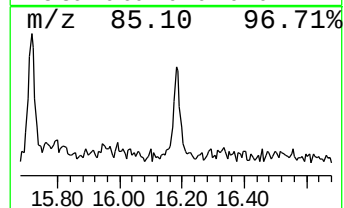
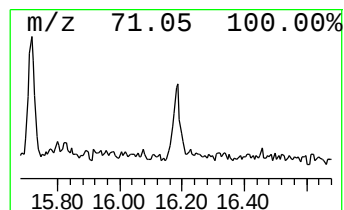
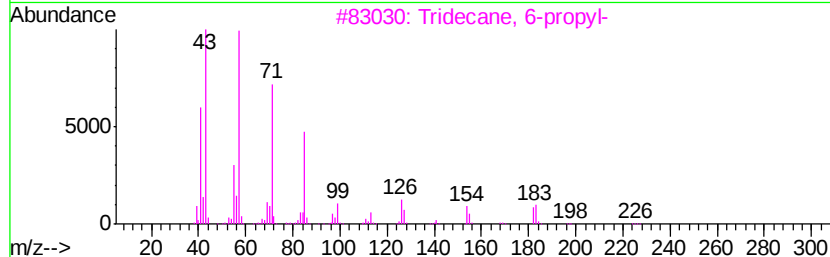
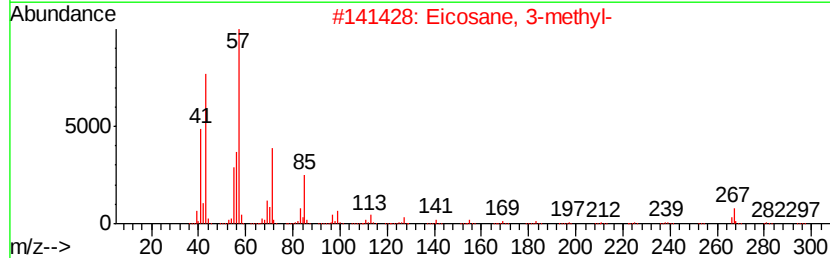
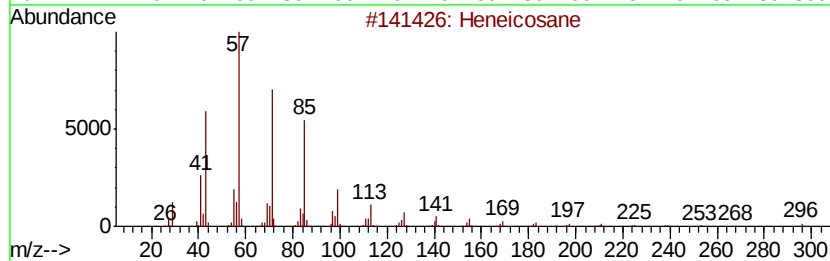
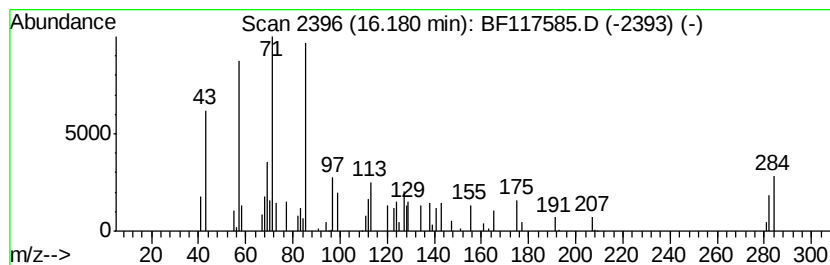
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	2.64 ng	31667	Perylene-d12	15.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	53
2			Eicosane, 3-methyl-	296	C21H44	006418-46-8	53
3			Tridecane, 6-propyl-	226	C16H34	055045-10-8	53
4			Octadecane, 2-methyl-	268	C19H40	001560-88-9	53
5			Dodecane, 3-methyl-	184	C13H28	017312-57-1	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102919\
Data File : BF117585.D
Acq On : 29 Oct 2019 12:44
Operator : JU
Sample : K5503-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
173-96-(0-2)

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
2-Pentanone, 4-hy...	4.93	3.4	ng	44545	1	6.73	261146	20.0
unknown6.50	6.50	77.0	ng	1005320	1	6.73	261146	20.0
Phenanthrene, 2-m...	11.78	4.8	ng	57366	4	11.25	241118	20.0
4H-Cyclopenta[def...	11.86	3.6	ng	43096	4	11.25	241118	20.0
unknown14.62	14.62	2.5	ng	30440	6	15.33	239742	20.0
Octacosane	14.64	3.0	ng	36253	6	15.33	239742	20.0
1,1'-Binaphthalene	14.77	2.2	ng	26485	6	15.33	239742	20.0
Benzo[e]pyrene	15.03	2.4	ng	28730	6	15.33	239742	20.0
Perylene	15.21	7.5	ng	89383	6	15.33	239742	20.0
Hexacosane	15.72	3.8	ng	45205	6	15.33	239742	20.0
Heneicosane	16.18	2.6	ng	31667	6	15.33	239742	20.0