

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091619\
 Data File : BF117065.D
 Acq On : 16 Sep 2019 16:11
 Operator : HP/JU
 Sample : K4664-06 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-091319

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-BF091319.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	5.445	567	571	592	rBV	673784	675421	72.20%	5.700%
2	6.457	740	743	758	rBV	769277	786149	84.04%	6.635%
3	6.592	763	766	773	rVV	926883	801457	85.68%	6.764%
4	6.651	773	776	781	rVB2	13178	13500	1.44%	0.114%
5	6.822	802	805	813	rBV	387214	326355	34.89%	2.754%
6	6.981	828	832	847	rBV	640218	621389	66.43%	5.244%
7	7.381	896	900	920	rBV	408785	460973	49.28%	3.890%
8	8.104	1019	1023	1037	rBV	374883	440396	47.08%	3.717%
9	9.169	1201	1204	1214	rBV	868320	935430	100.00%	7.894%
10	9.569	1269	1272	1278	rVB	40366	44966	4.81%	0.379%
11	9.710	1293	1296	1300	rBV	10218	10950	1.17%	0.092%
12	9.851	1316	1320	1332	rBV	560159	527375	56.38%	4.451%
13	10.398	1411	1413	1418	rVB2	12144	13524	1.45%	0.114%
14	10.639	1450	1454	1468	rVV	475713	518982	55.48%	4.380%
15	10.751	1470	1473	1479	rVB5	12268	20773	2.22%	0.175%
16	11.198	1543	1549	1552	rBV4	12429	16772	1.79%	0.142%
17	11.227	1552	1554	1558	rVB	11987	12644	1.35%	0.107%
18	11.333	1568	1572	1574	rBV	474301	448179	47.91%	3.782%
19	11.357	1574	1576	1582	rVV	169758	167737	17.93%	1.416%
20	11.410	1582	1585	1589	rVB	47069	43354	4.63%	0.366%
21	11.580	1609	1614	1619	rBV8	7321	15191	1.62%	0.128%
22	11.622	1619	1621	1625	rVB2	14658	12662	1.35%	0.107%
23	11.833	1654	1657	1659	rBV	26923	26751	2.86%	0.226%
24	11.863	1659	1662	1668	rVV3	45405	64525	6.90%	0.545%
25	11.910	1668	1670	1673	rVV	14533	17507	1.87%	0.148%
26	11.945	1673	1676	1679	rVV	58299	66735	7.13%	0.563%
27	11.969	1679	1680	1684	rVV	25980	17955	1.92%	0.152%
28	12.027	1688	1690	1694	rVB	16181	12578	1.34%	0.106%
29	12.127	1705	1707	1710	rBV	19519	20419	2.18%	0.172%
30	12.157	1710	1712	1715	rVB4	12026	12367	1.32%	0.104%
31	12.310	1735	1738	1740	rVB2	11808	9387	1.00%	0.079%
32	12.380	1746	1750	1753	rBV	26889	31202	3.34%	0.263%
33	12.416	1753	1756	1759	rVV2	32246	34239	3.66%	0.289%
34	12.469	1762	1765	1770	rBV3	21924	28530	3.05%	0.241%

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35	12.539	1774	1777	1783	rBV	395278	383952	41.05%	3.240%
36	12.639	1791	1794	1797	rBV5	9875	11673	1.25%	0.099%
37	12.692	1801	1803	1807	rVV3	12678	15076	1.61%	0.127%
38	12.769	1810	1816	1822	rVV	341430	395886	42.32%	3.341%
39	12.821	1823	1825	1830	rVB3	16831	20779	2.22%	0.175%
40	12.910	1834	1840	1849	rVB	920703	830440	88.78%	7.008%
41	12.986	1849	1853	1858	rBV3	24146	44133	4.72%	0.372%
42	13.074	1865	1868	1870	rBV3	17379	23761	2.54%	0.201%
43	13.098	1870	1872	1876	rVV2	49080	45927	4.91%	0.388%
44	13.139	1877	1879	1881	rVV2	21275	18567	1.98%	0.157%
45	13.163	1881	1883	1886	rVV2	31082	28871	3.09%	0.244%
46	13.204	1887	1890	1898	rVV3	29987	41116	4.40%	0.347%
47	13.298	1902	1906	1908	rBV	14337	15988	1.71%	0.135%
48	13.327	1908	1911	1914	rBV5	15515	17559	1.88%	0.148%
49	13.480	1934	1937	1939	rBV2	30150	26120	2.79%	0.220%
50	13.610	1956	1959	1963	rVB	24418	27281	2.92%	0.230%
51	13.716	1974	1977	1980	rBV2	27939	36978	3.95%	0.312%
52	13.745	1980	1982	1984	rVV	25353	24209	2.59%	0.204%
53	13.768	1984	1986	1987	rVV	24543	20544	2.20%	0.173%
54	13.810	1989	1993	2000	rVB5	72516	124281	13.29%	1.049%
55	13.963	2012	2019	2022	rBV2	447714	608637	65.06%	5.136%
56	13.992	2022	2024	2031	rVB	145279	154728	16.54%	1.306%
57	14.068	2035	2037	2042	rVB	31669	29609	3.17%	0.250%
58	14.121	2043	2046	2049	rBV3	53225	53807	5.75%	0.454%
59	14.316	2077	2079	2081	rBV3	16382	13618	1.46%	0.115%
60	14.351	2083	2085	2087	rVB2	28923	25762	2.75%	0.217%
61	14.427	2095	2098	2103	rBV3	66246	87604	9.37%	0.739%
62	14.727	2146	2149	2152	rBV	81792	82027	8.77%	0.692%
63	14.998	2191	2195	2198	rBV	129794	210685	22.52%	1.778%
64	15.057	2201	2205	2209	rVB2	85291	96328	10.30%	0.813%
65	15.292	2242	2245	2251	rVB	75605	94016	10.05%	0.793%
66	15.351	2251	2255	2261	rVV	116584	156996	16.78%	1.325%
67	15.415	2261	2266	2279	rVB2	329963	552916	59.11%	4.666%
68	15.845	2335	2339	2343	rVB2	57079	86791	9.28%	0.732%
69	16.327	2418	2421	2426	rVB2	37848	60352	6.45%	0.509%
70	16.839	2505	2508	2515	rVB3	40386	68956	7.37%	0.582%
71	17.574	2629	2633	2641	rVB9	25462	56993	6.09%	0.481%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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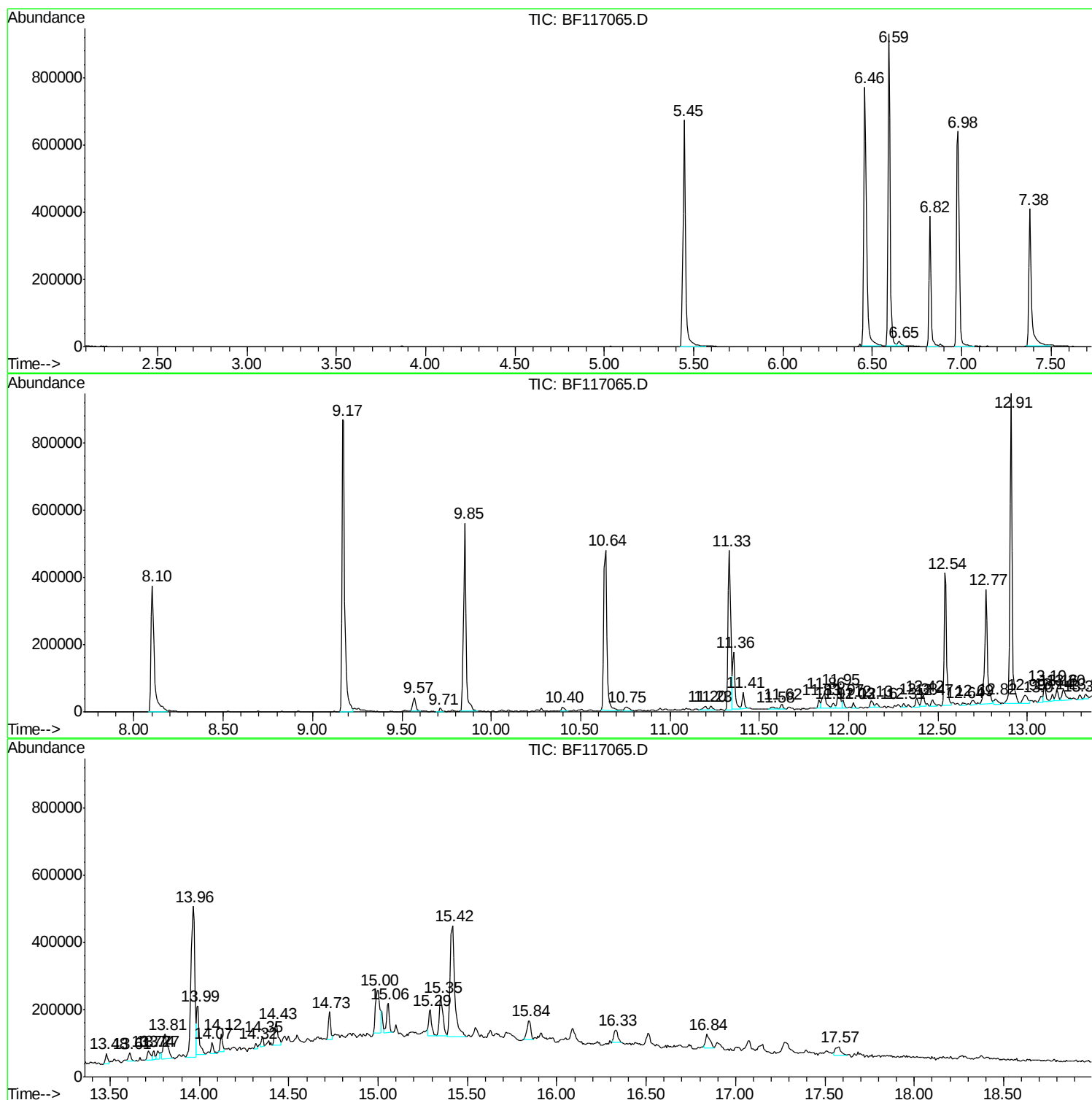
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Instrument :
BNA_F
ClientSampled :
OR-02-091319

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.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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Operator : HP/JU
Sample : K4664-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-091319

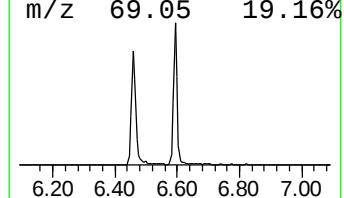
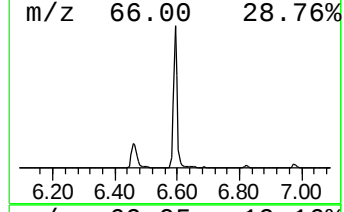
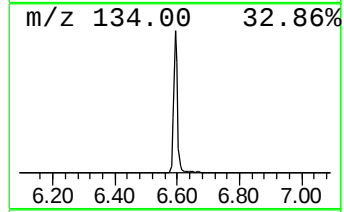
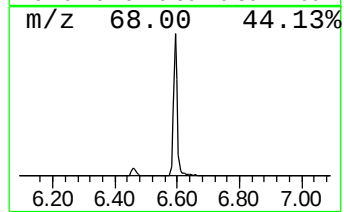
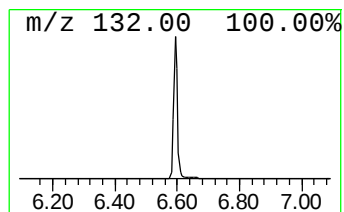
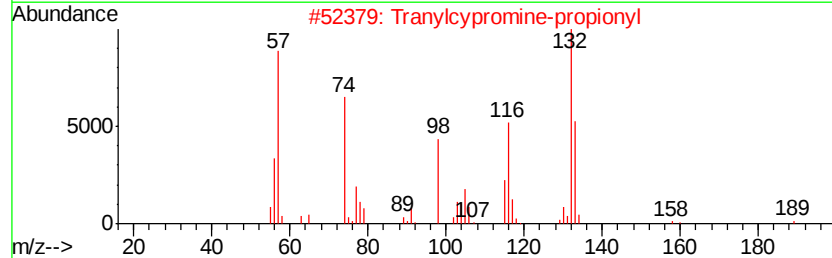
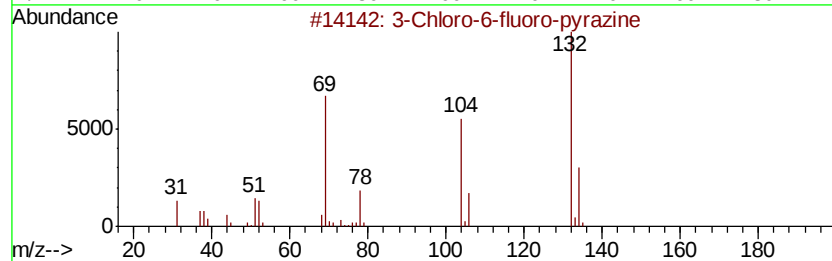
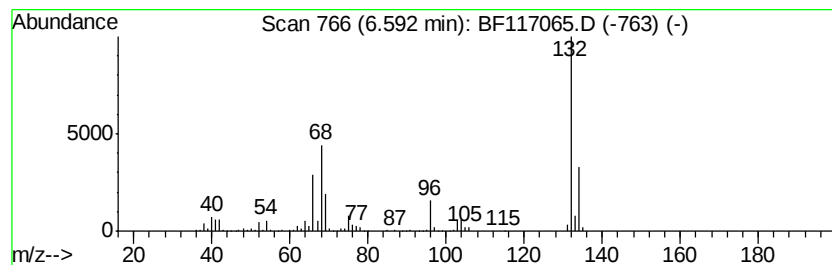
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	49.12 ng	801457	1,4-Dichlorobenzene-d4	6.82

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	10
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9
5		Xenon	132	Xe	007440-63-3	9



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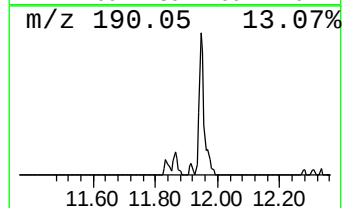
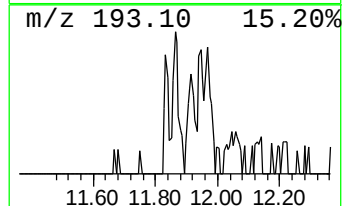
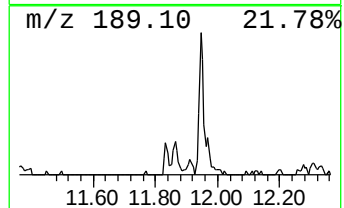
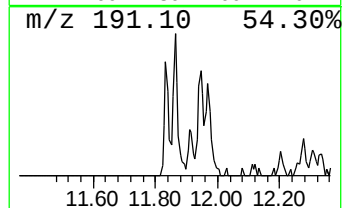
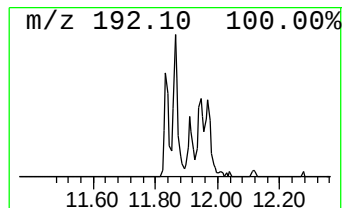
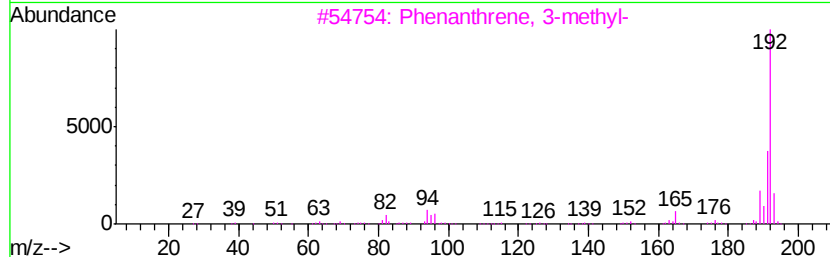
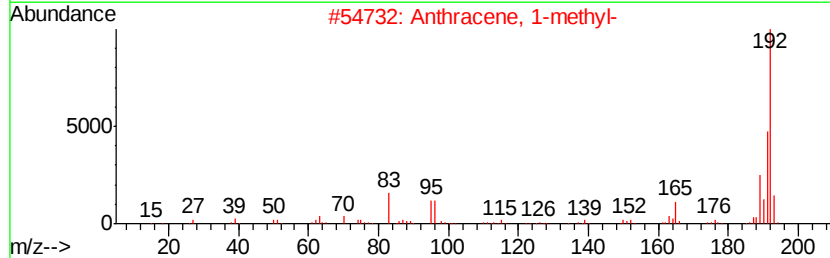
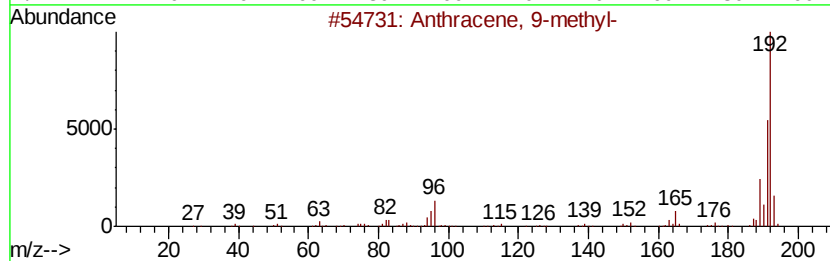
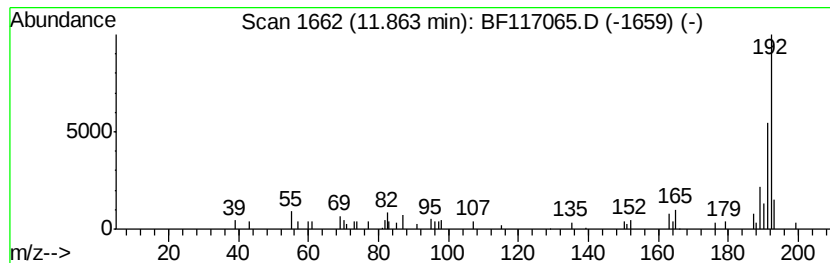
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.88 ng	64525	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81



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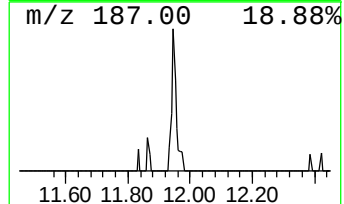
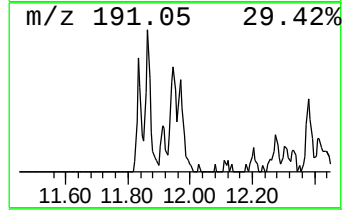
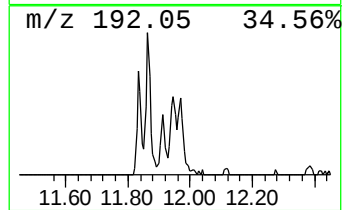
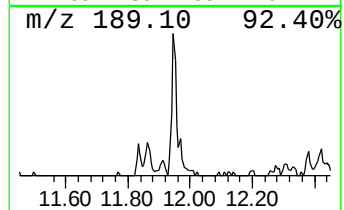
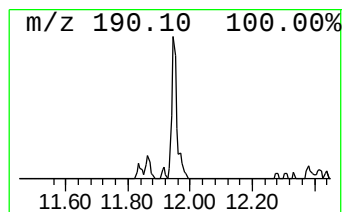
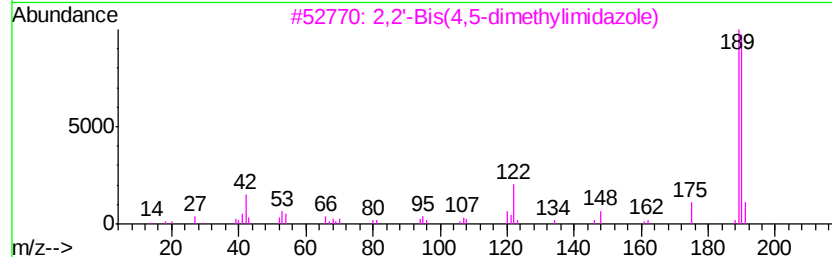
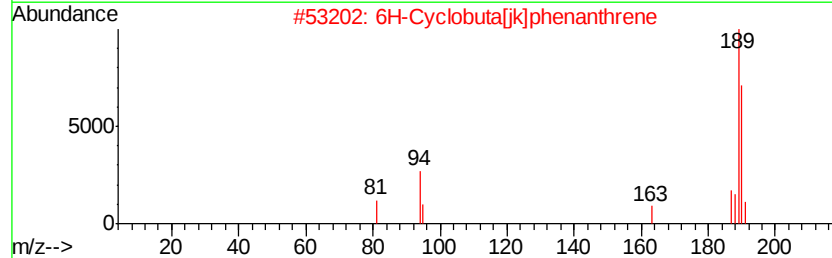
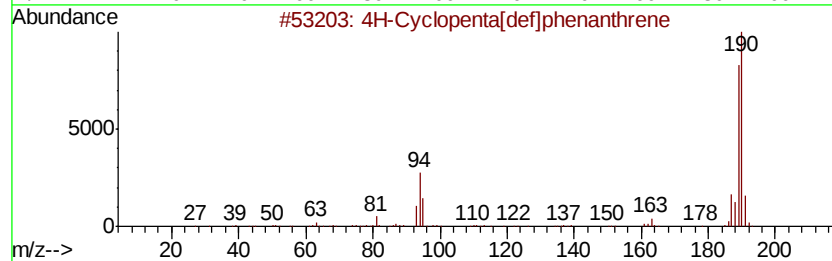
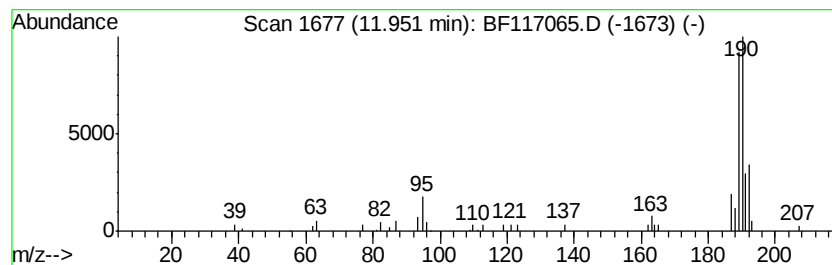
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Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.95	2.98 ng	66735	Phenanthrene-d10	11.33		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
4		5,8-Quinoxalinediol, 2,3-dimethyl-	190	C10H10N2O2	007698-00-2	22
5		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	22



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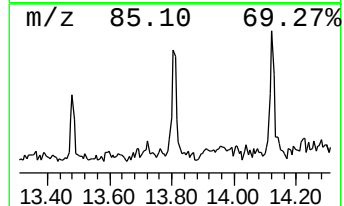
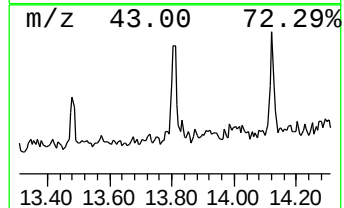
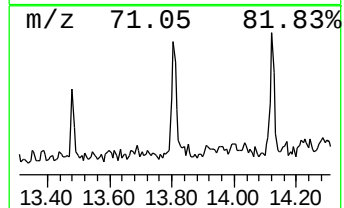
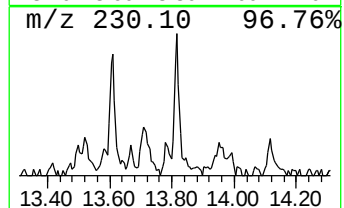
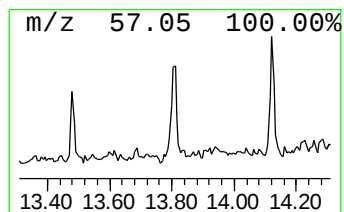
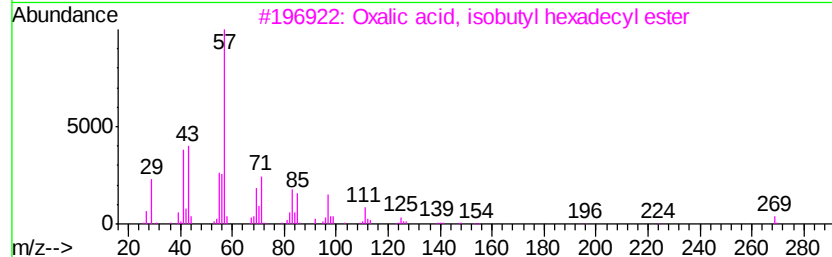
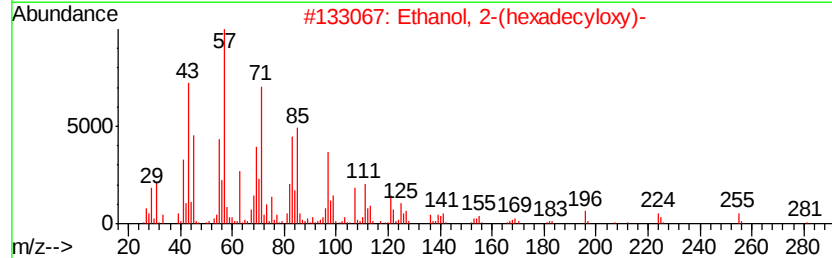
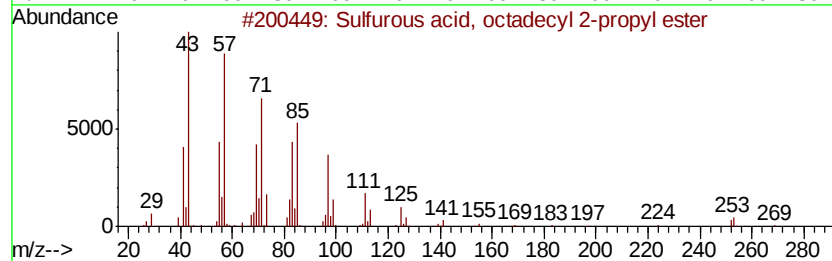
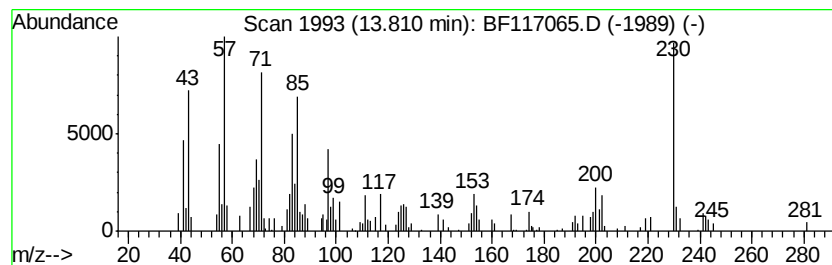
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown13.81 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	4.08 ng	124281	Chrysene-d12	13.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	49
2		Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	46
3		Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	38
4		Tetradecane	198	C14H30	000629-59-4	25
5		3-t-Pentylcyclopentanone	154	C10H18O	1000114-66-3	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117065.D
Acq On : 16 Sep 2019 16:11
Operator : HP/JU
Sample : K4664-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-091319

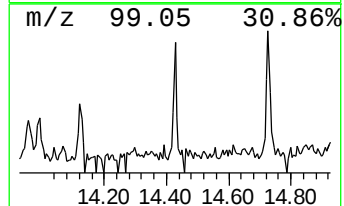
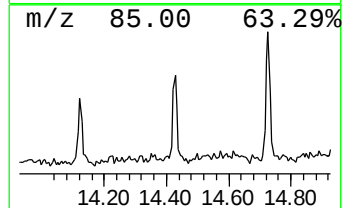
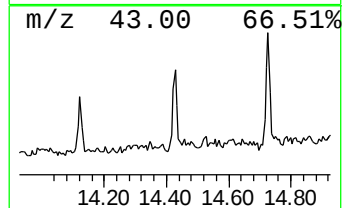
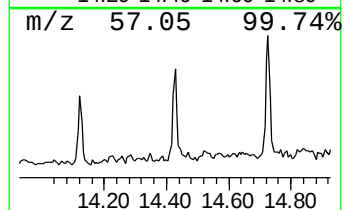
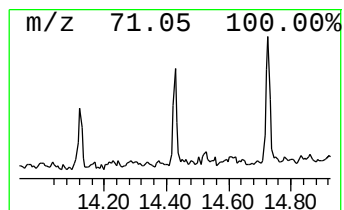
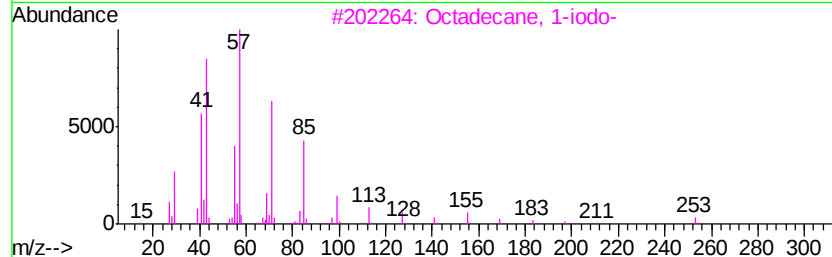
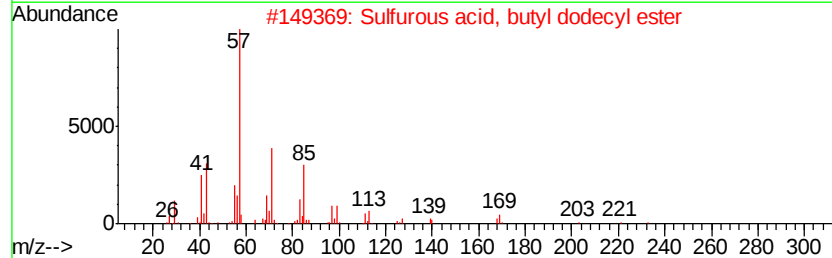
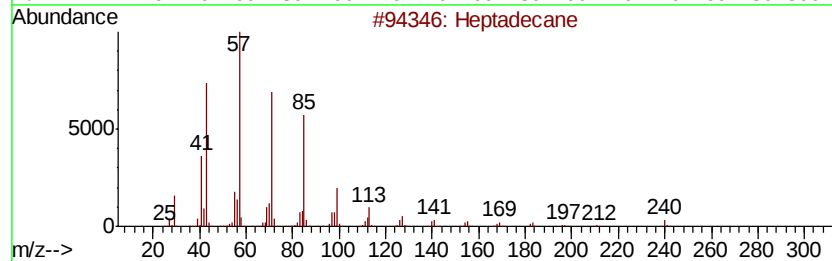
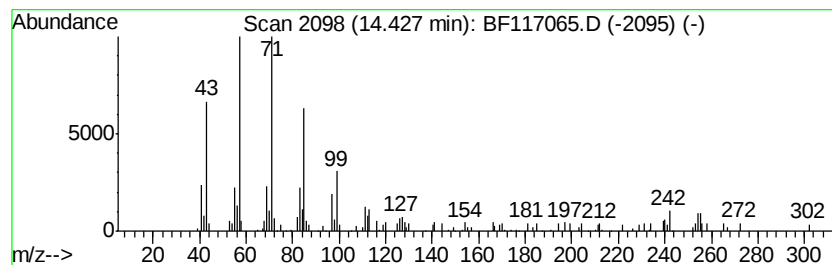
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	2.88 ng	87604	Chrysene-d12	13.96

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	89
2	Sulfurous acid, butyl dodecyl ester		306	C16H34O3S	1000309-17-9	64
3	Octadecane, 1-iodo-		380	C18H37I	000629-93-6	58
4	Pentadecane		212	C15H32	000629-62-9	58
5	10-Methylnonadecane		282	C20H42	056862-62-5	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117065.D
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Operator : HP/JU
Sample : K4664-06 2X
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-091319

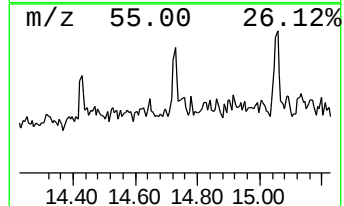
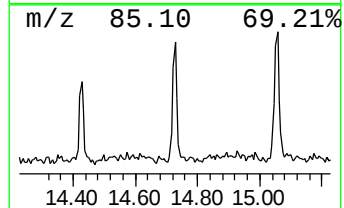
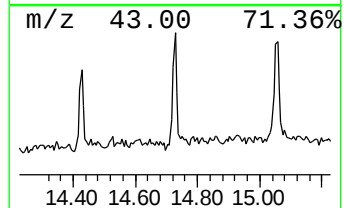
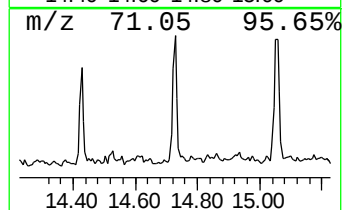
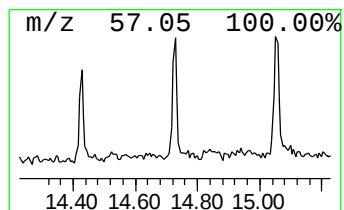
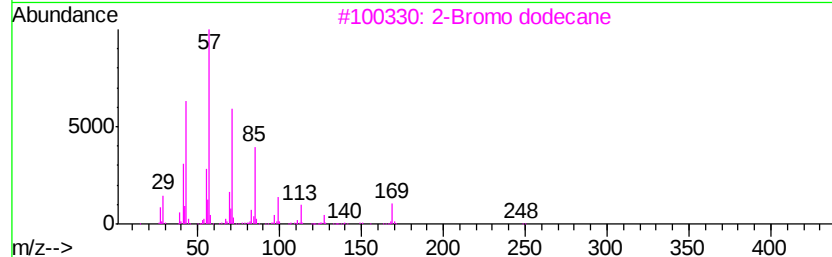
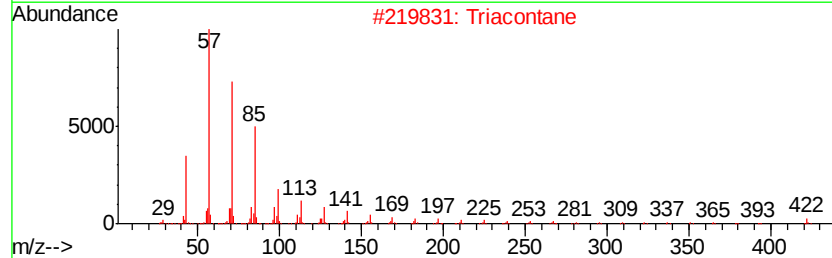
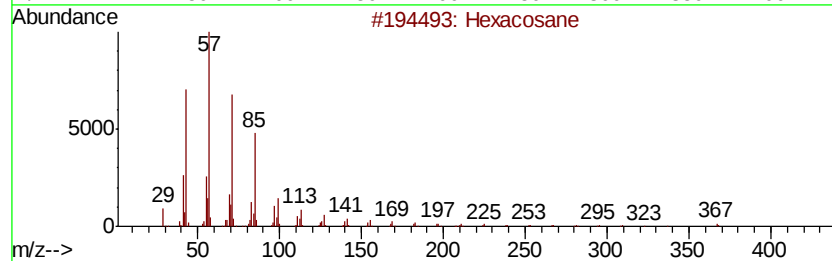
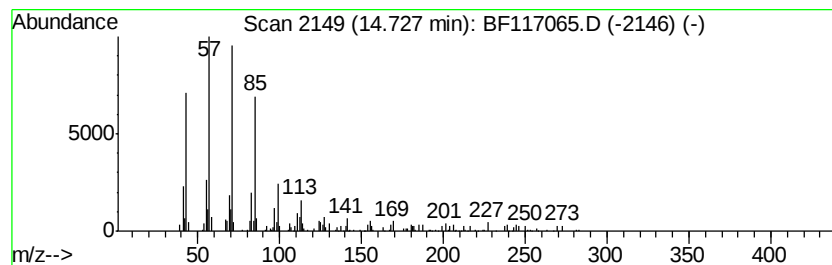
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	2.97 ng	82027	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	80
2		Triacotane	422	C30H62	000638-68-6	80
3		2-Bromo dodecane	248	C12H25Br	013187-99-0	72
4		5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	72
5		Dodecane, 3-methyl-	184	C13H28	017312-57-1	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117065.D
Acq On : 16 Sep 2019 16:11
Operator : HP/JU
Sample : K4664-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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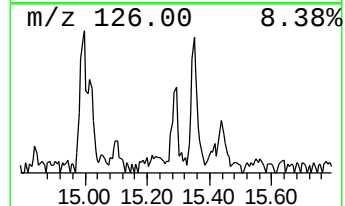
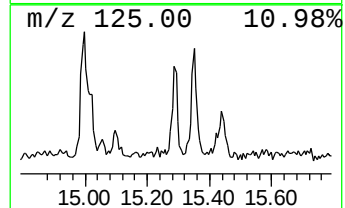
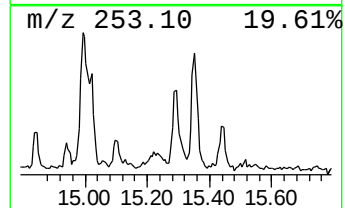
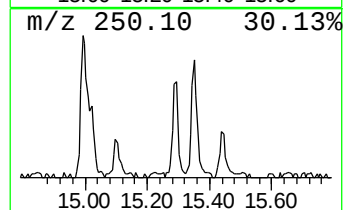
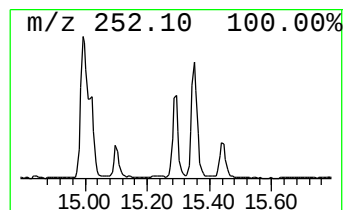
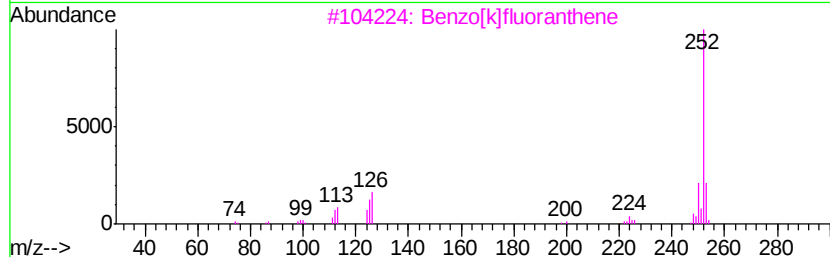
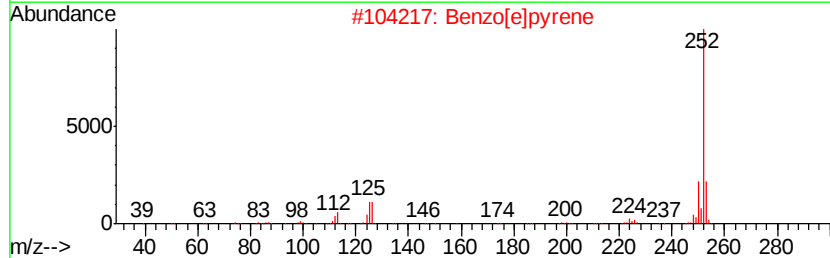
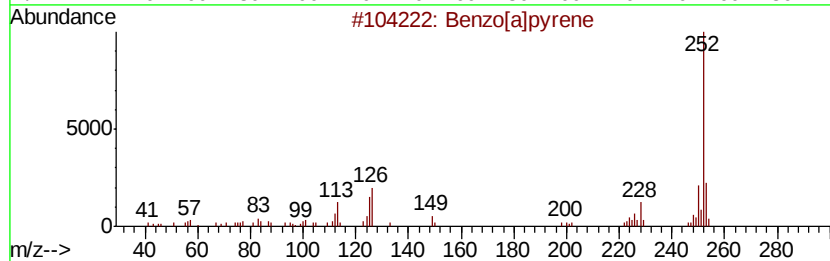
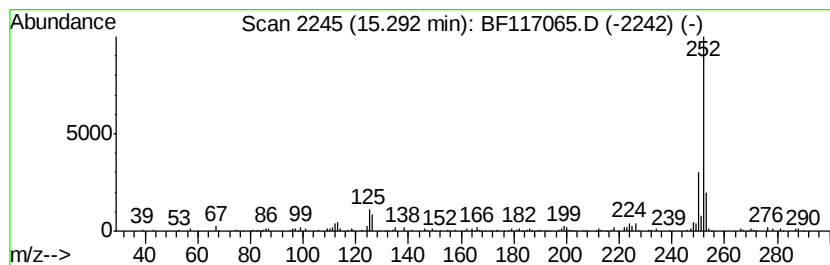
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	3.40 ng	94016	Perylene-d12	15.41

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117065.D
Acq On : 16 Sep 2019 16:11
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Instrument :
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ClientSampleId :
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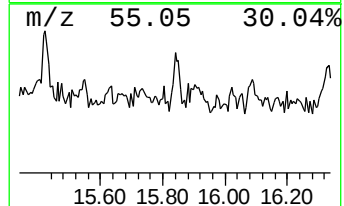
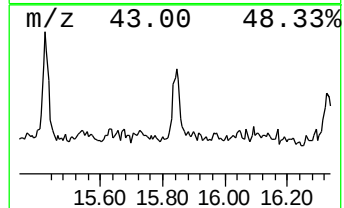
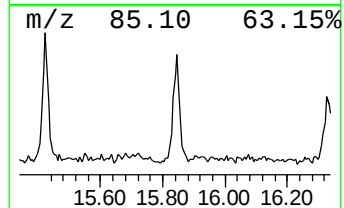
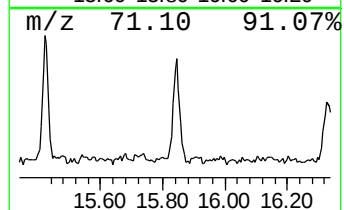
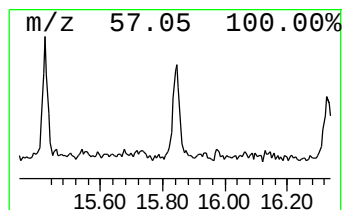
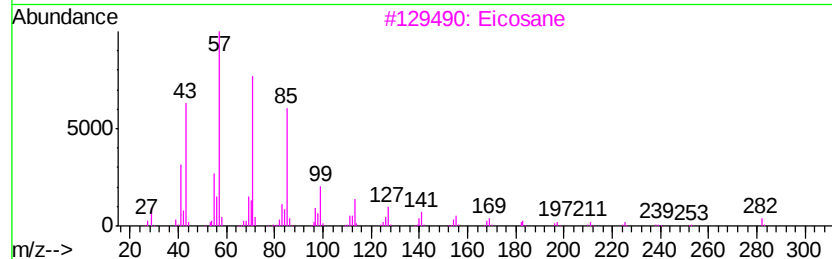
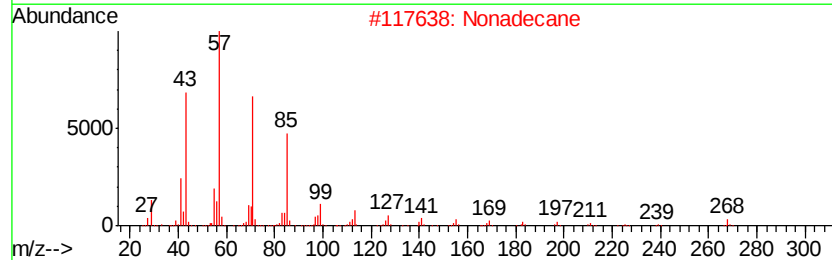
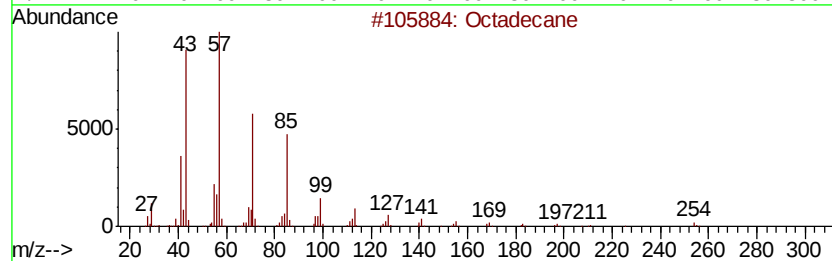
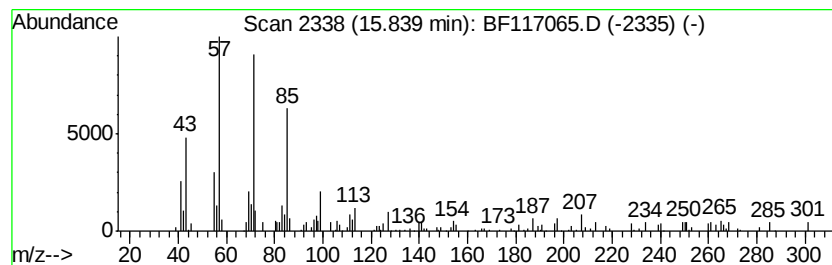
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	3.14 ng	86791	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	91
2		Nonadecane	268	C19H40	000629-92-5	90
3		Eicosane	282	C20H42	000112-95-8	72
4		Heptadecane	240	C17H36	000629-78-7	72
5		Nonane, 1-iodo-	254	C9H19I	004282-42-2	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117065.D
Acq On : 16 Sep 2019 16:11
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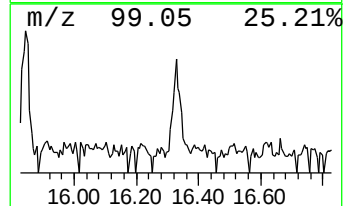
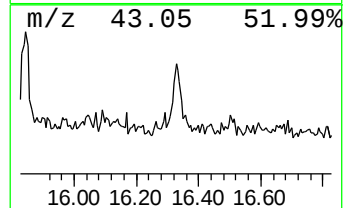
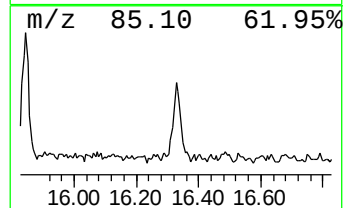
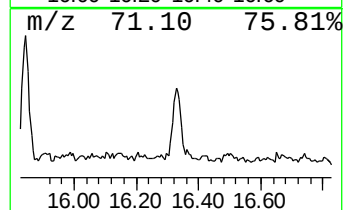
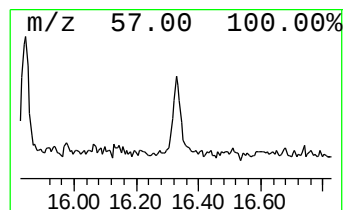
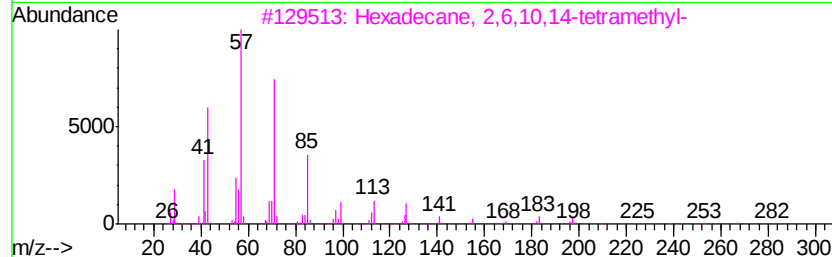
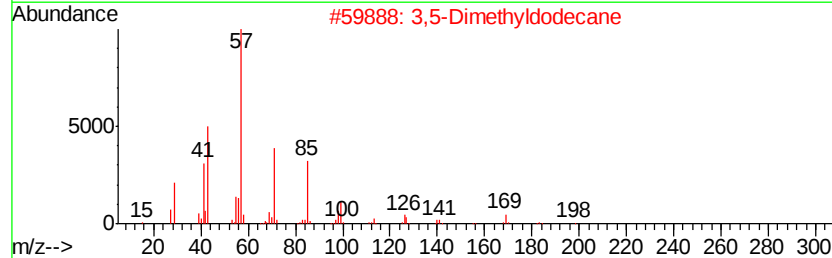
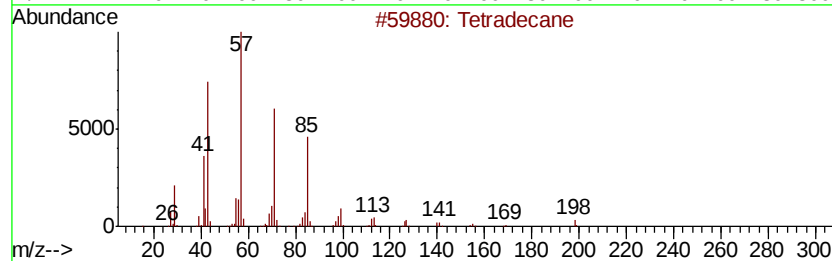
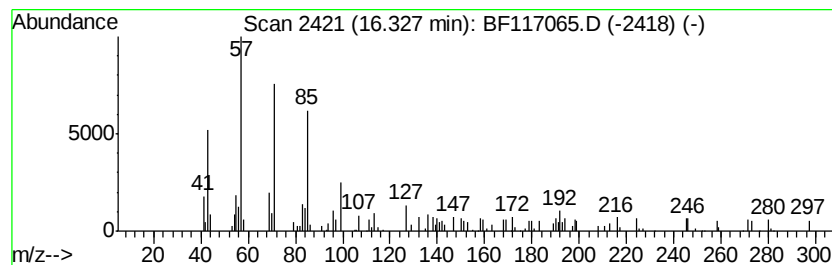
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	2.18 ng	60352	Perylene-d12	15.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	62
2			3,5-Dimethyldodecane	198	C14H30	107770-99-0	59
3			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	55
4			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	53
5			2-methyloctacosane	408	C29H60	1000376-72-8	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117065.D
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ClientSampleId :
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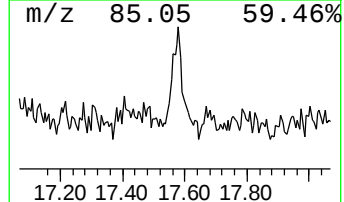
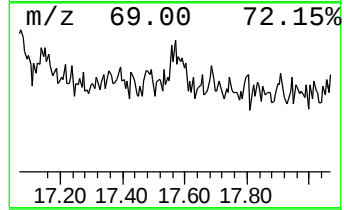
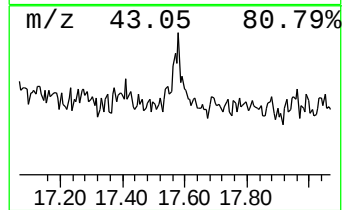
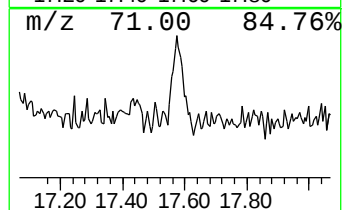
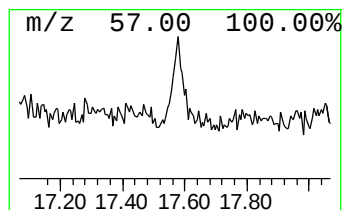
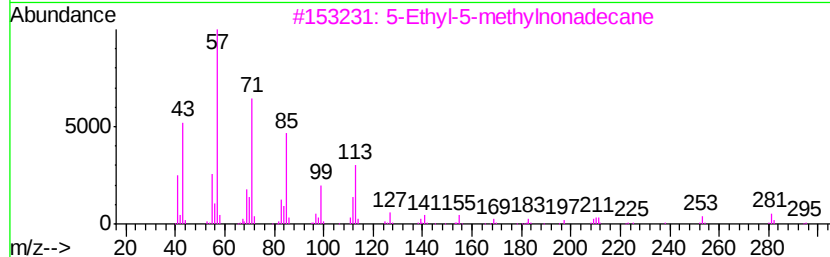
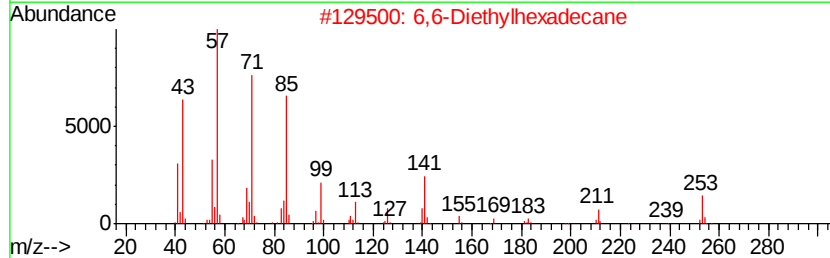
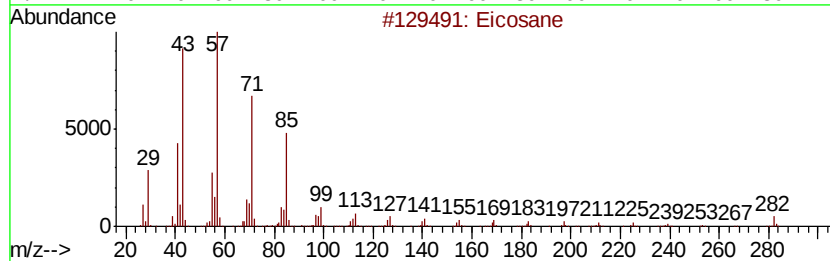
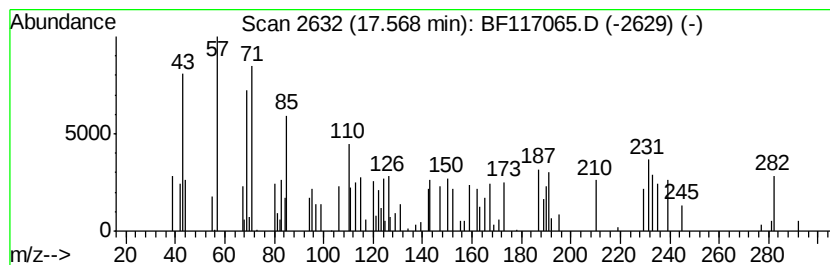
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown17.57 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	2.06 ng	56993	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	41
2		6,6-Diethylhexadecane	282	C20H42	1000360-41-4	38
3		5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	35
4		Dodecane	170	C12H26	000112-40-3	27
5		Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091619\
Data File : BF117065.D
Acq On : 16 Sep 2019 16:11
Operator : HP/JU
Sample : K4664-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-091319

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.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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					#	RT	Resp	Conc
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4H-Cyclopenta[def...	11.95	3.0	ng	66735	4	11.33	448179	20.0
unknown13.81	13.81	4.1	ng	124281	5	13.96	608637	20.0
Heptadecane	14.43	2.9	ng	87604	5	13.96	608637	20.0
Hexacosane	14.73	3.0	ng	82027	6	15.41	552916	20.0
Benzo[e]pyrene	15.29	3.4	ng	94016	6	15.41	552916	20.0
Octadecane	15.84	3.1	ng	86791	6	15.41	552916	20.0
Tetradecane	16.33	2.2	ng	60352	6	15.41	552916	20.0
unknown17.57	17.57	2.1	ng	56993	6	15.41	552916	20.0