

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
 Data File : BF114197.D
 Acq On : 12 May 2019 17:22
 Operator : JU/SJ
 Sample : K2767-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0206-01

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-BF051019.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	2.134	3	8	16	rVB	1457114	1883464	26.73%	1.308%
2	5.492	574	579	582	rBV	6437650	6334392	89.89%	4.398%
3	6.504	745	751	754	rBV	6300211	7046978	100.00%	4.892%
4	6.633	768	773	776	rBV	6980169	6775563	96.15%	4.704%
5	6.851	807	810	818	rVB	2211179	1923755	27.30%	1.336%
6	7.010	833	837	841	rBV	5846547	5233896	74.27%	3.634%
7	7.416	901	906	909	rBV	4898496	4651739	66.01%	3.229%
8	8.133	1022	1028	1030	rBV	2779112	2407770	34.17%	1.672%
9	8.157	1030	1032	1036	rVV	438274	389481	5.53%	0.270%
10	8.780	1132	1138	1143	rVV	168795	277752	3.94%	0.193%
11	8.845	1147	1149	1154	rVB	331987	251537	3.57%	0.175%
12	8.945	1163	1166	1170	rBV	217720	190354	2.70%	0.132%
13	9.210	1206	1211	1214	rBV	7002220	6509058	92.37%	4.519%
14	9.286	1221	1224	1226	rBV	339053	298752	4.24%	0.207%
15	9.545	1265	1268	1270	rBV	204575	193648	2.75%	0.134%
16	9.598	1274	1277	1282	rVV2	1495216	1537362	21.82%	1.067%
17	9.745	1299	1302	1307	rBV	1340323	1174054	16.66%	0.815%
18	9.816	1312	1314	1317	rVB	431806	313099	4.44%	0.217%
19	9.886	1319	1326	1330	rBV	2880625	2611528	37.06%	1.813%
20	10.045	1347	1353	1356	rBV4	105223	202782	2.88%	0.141%
21	10.086	1356	1360	1365	rVV2	153825	223379	3.17%	0.155%
22	10.316	1397	1399	1401	rVV	579052	406931	5.77%	0.283%
23	10.539	1431	1437	1442	rBV2	350230	470397	6.68%	0.327%
24	10.680	1454	1461	1464	rBV	3937789	4042684	57.37%	2.807%
25	10.786	1477	1479	1481	rBV	698205	792727	11.25%	0.550%
26	10.980	1508	1512	1515	rBV4	185070	267030	3.79%	0.185%
27	11.133	1536	1538	1541	rVV	310495	267995	3.80%	0.186%
28	11.174	1543	1545	1549	rVB2	209093	199183	2.83%	0.138%
29	11.233	1552	1555	1558	rVV	661474	606129	8.60%	0.421%
30	11.268	1558	1561	1566	rVB	464496	464364	6.59%	0.322%
31	11.374	1575	1579	1581	rBV	2658888	2490251	35.34%	1.729%
32	11.398	1581	1583	1589	rVV	2358203	2010692	28.53%	1.396%
33	11.445	1589	1591	1594	rVB	616293	506067	7.18%	0.351%
34	11.480	1594	1597	1600	rBV2	202347	231028	3.28%	0.160%

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.663	1623	1628	1631	rVB2	1041019	934881	13.27%	0.649%
36	11.704	1632	1635	1639	rVB	291775	242378	3.44%	0.168%
37	11.827	1653	1656	1661	rBV2	198303	275287	3.91%	0.191%
38	11.874	1661	1664	1666	rVV	942178	845491	12.00%	0.587%
39	11.898	1666	1668	1672	rVV2	1591826	1662201	23.59%	1.154%
40	11.951	1675	1677	1679	rVV	289034	242039	3.43%	0.168%
41	11.986	1679	1683	1685	rVV	1402185	1460514	20.73%	1.014%
42	12.010	1685	1687	1691	rVB	877532	703217	9.98%	0.488%
43	12.068	1694	1697	1701	rVV	660542	605723	8.60%	0.421%
44	12.168	1711	1714	1716	rVV	798418	650811	9.24%	0.452%
45	12.198	1716	1719	1722	rVB2	771909	685735	9.73%	0.476%
46	12.298	1734	1736	1738	rBV2	179785	191440	2.72%	0.133%
47	12.315	1738	1739	1743	rVV2	272280	292068	4.14%	0.203%
48	12.351	1743	1745	1747	rVV	393739	306522	4.35%	0.213%
49	12.374	1747	1749	1752	rVB	266378	199651	2.83%	0.139%
50	12.427	1754	1758	1760	rVV	1048313	1131854	16.06%	0.786%
51	12.457	1760	1763	1766	rVV4	939868	1068890	15.17%	0.742%
52	12.510	1769	1772	1777	rBV3	670853	795954	11.29%	0.553%
53	12.592	1780	1786	1789	rBV	3675881	3587678	50.91%	2.491%
54	12.633	1790	1793	1794	rBV	247060	236317	3.35%	0.164%
55	12.680	1798	1801	1804	rBV	1051070	892898	12.67%	0.620%
56	12.721	1805	1808	1810	rBV2	310955	299937	4.26%	0.208%
57	12.757	1812	1814	1819	rVB	516024	525245	7.45%	0.365%
58	12.821	1819	1825	1830	rBV	5973407	6420922	91.12%	4.458%
59	12.874	1830	1834	1837	rVB2	416857	472204	6.70%	0.328%
60	12.957	1844	1848	1851	rBV	4927043	4424189	62.78%	3.072%
61	13.033	1858	1861	1868	rBV2	848577	1336842	18.97%	0.928%
62	13.092	1868	1871	1873	rVV4	281491	283878	4.03%	0.197%
63	13.121	1873	1876	1878	rVV3	866084	1140962	16.19%	0.792%
64	13.145	1878	1880	1883	rVV	1015103	852273	12.09%	0.592%
65	13.186	1884	1887	1889	rVV3	339471	351589	4.99%	0.244%
66	13.210	1889	1891	1895	rVV	514034	519728	7.38%	0.361%
67	13.251	1895	1898	1901	rVV	1292737	1161411	16.48%	0.806%
68	13.310	1905	1908	1911	rBV2	278588	341723	4.85%	0.237%
69	13.345	1911	1914	1916	rVV	1186982	1115469	15.83%	0.774%
70	13.374	1916	1919	1922	rVB	971924	878359	12.46%	0.610%
71	13.462	1931	1934	1936	rBV2	259557	255198	3.62%	0.177%

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72	13.651	1964	1966	1971	rVB	900876	1009795	14.33%	0.701%
73	13.762	1981	1985	1987	rVV2	727066	866091	12.29%	0.601%
74	13.792	1987	1990	1992	rVB	828970	720590	10.23%	0.500%
75	13.815	1992	1994	1996	rBV	797300	614386	8.72%	0.427%
76	13.857	1996	2001	2005	rVB3	583804	1103656	15.66%	0.766%
77	14.009	2023	2027	2031	rBV2	3659765	5931873	84.18%	4.118%
78	14.045	2031	2033	2040	rVV	3433998	3218502	45.67%	2.234%
79	14.104	2041	2043	2046	rVV2	224803	218231	3.10%	0.152%
80	14.139	2047	2049	2050	rVV2	252884	211861	3.01%	0.147%
81	14.162	2050	2053	2063	rVB	1306107	1597905	22.68%	1.109%
82	14.274	2069	2072	2075	rVB3	220819	219169	3.11%	0.152%
83	14.362	2085	2087	2089	rBV	284138	246516	3.50%	0.171%
84	14.404	2089	2094	2097	rVV	1161461	1432973	20.33%	0.995%
85	14.439	2097	2100	2103	rVV2	781536	955942	13.57%	0.664%
86	14.480	2103	2107	2112	rVV3	847891	1509387	21.42%	1.048%
87	14.527	2112	2115	2117	rVV2	774109	849343	12.05%	0.590%
88	14.545	2117	2118	2122	rVV	678283	602067	8.54%	0.418%
89	14.598	2124	2127	2130	rVB	559968	547553	7.77%	0.380%
90	14.827	2164	2166	2169	rVB2	301554	262240	3.72%	0.182%
91	14.856	2169	2171	2174	rVB2	418372	356508	5.06%	0.248%
92	15.062	2201	2206	2213	rBV	2561064	5281234	74.94%	3.667%
93	15.168	2221	2224	2228	rVB	820989	897734	12.74%	0.623%
94	15.368	2253	2258	2263	rVB	2342278	3177643	45.09%	2.206%
95	15.433	2263	2269	2272	rBV	2884615	3814176	54.12%	2.648%
96	15.492	2275	2279	2281	rVV	1462701	1903132	27.01%	1.321%
97	15.515	2281	2283	2291	rVB2	553111	943228	13.38%	0.655%
98	16.051	2371	2374	2378	rVB2	317580	416107	5.90%	0.289%
99	16.962	2523	2529	2535	rVB	1165434	2235015	31.72%	1.552%
100	17.409	2599	2605	2619	rVB	1068965	2318966	32.91%	1.610%

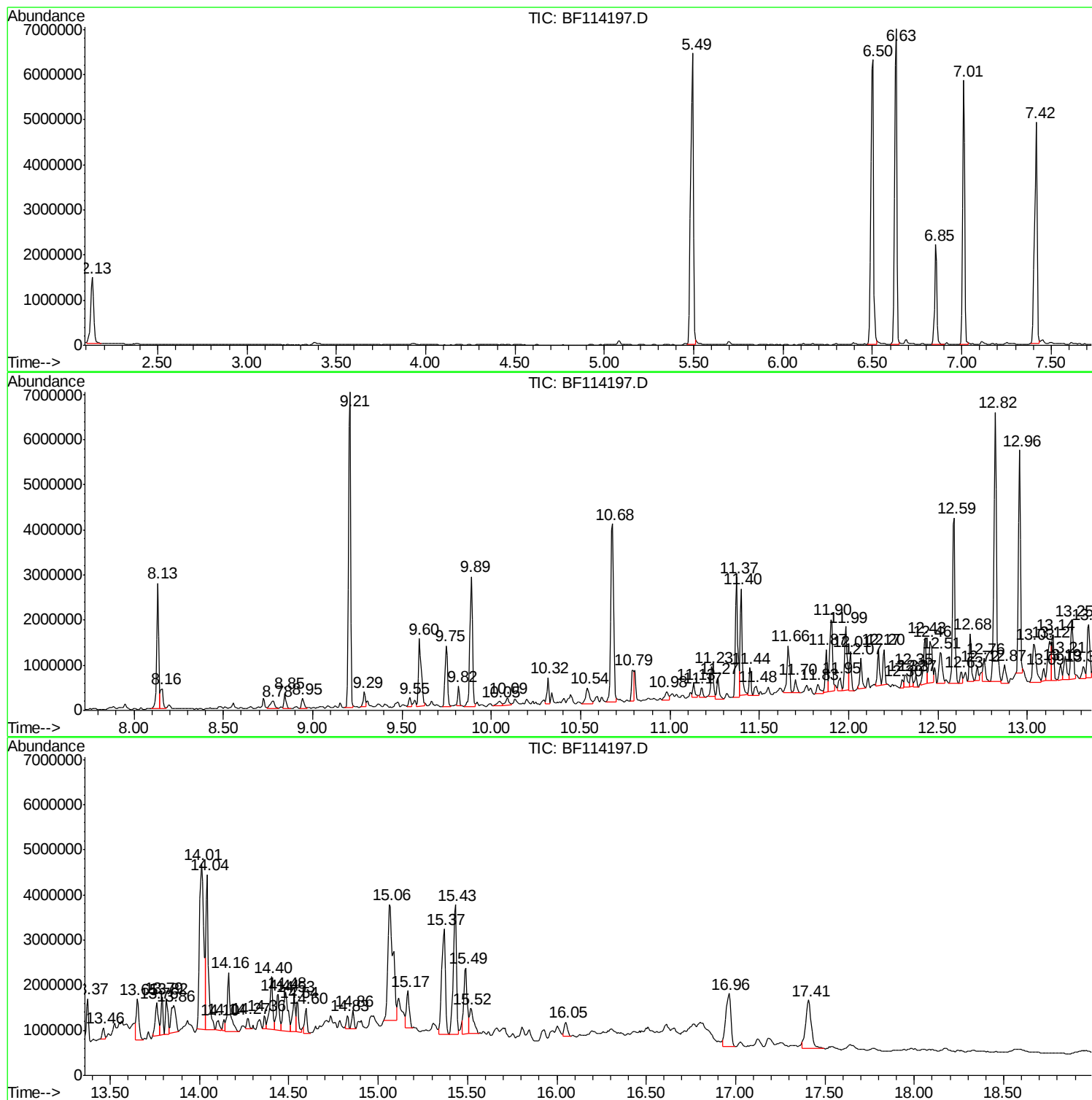
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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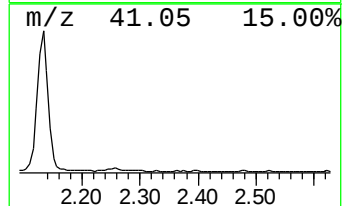
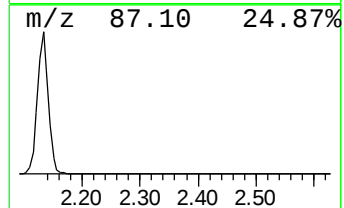
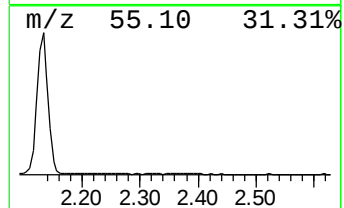
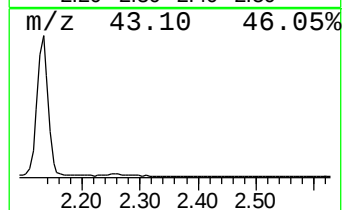
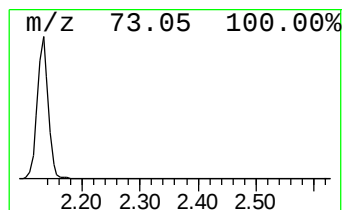
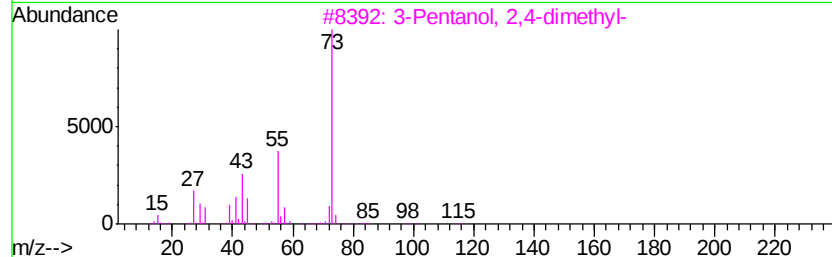
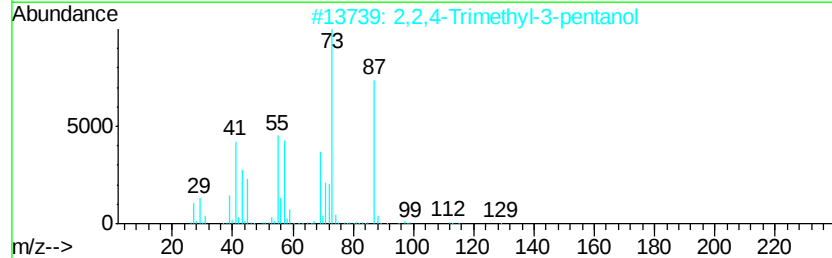
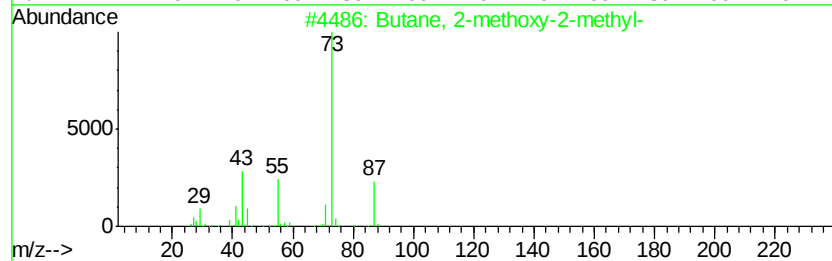
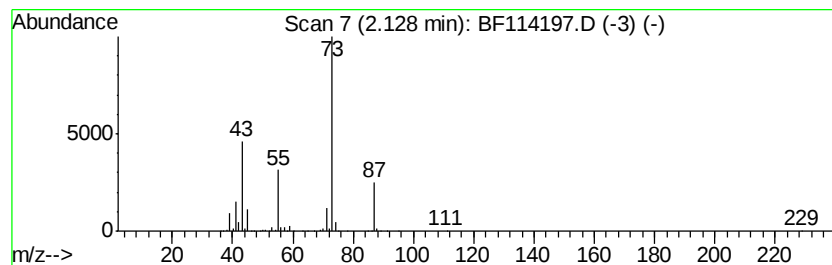
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	19.58 ng	1883460	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4		Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
5		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25



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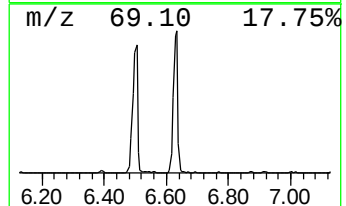
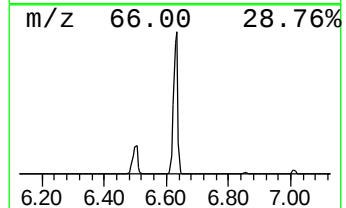
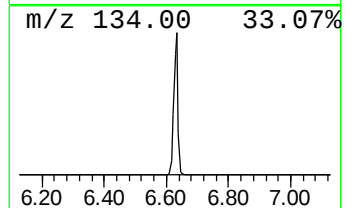
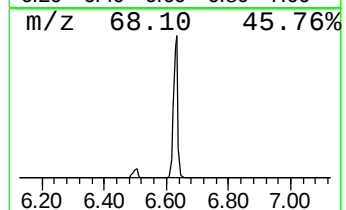
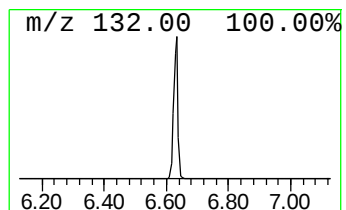
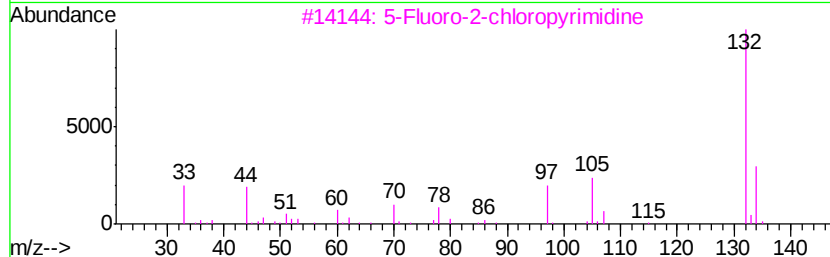
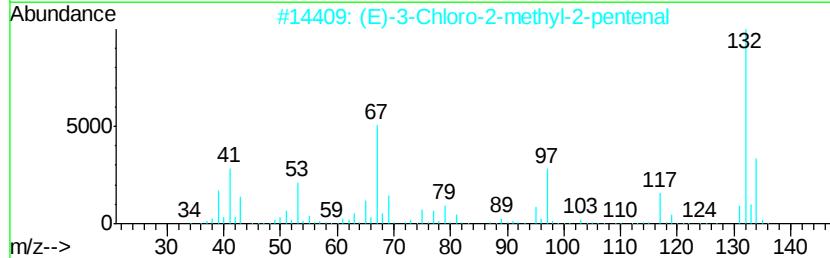
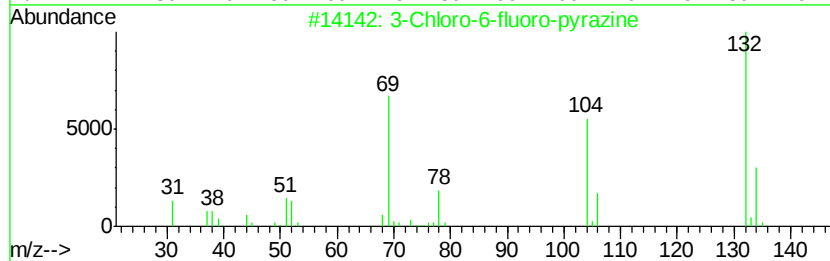
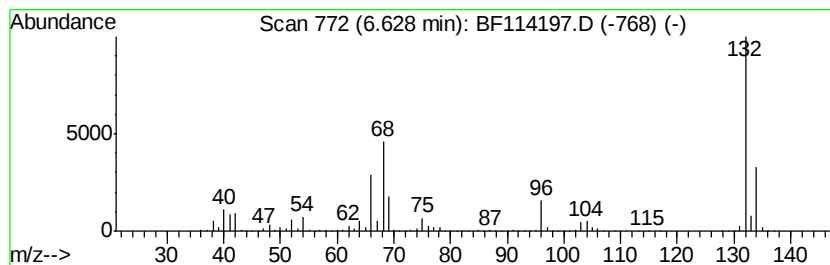
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	70.44 ng	6775560	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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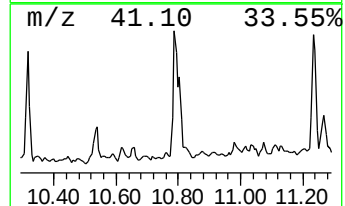
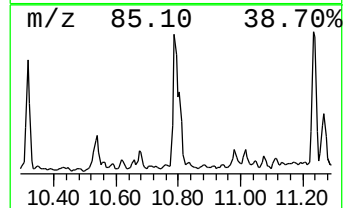
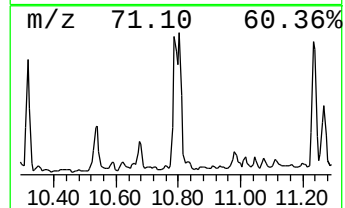
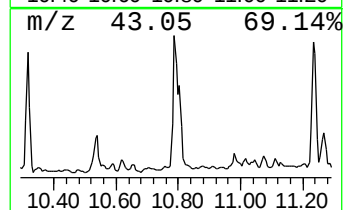
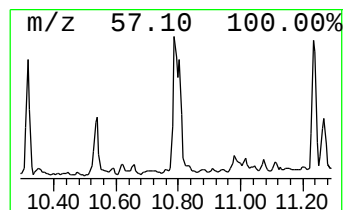
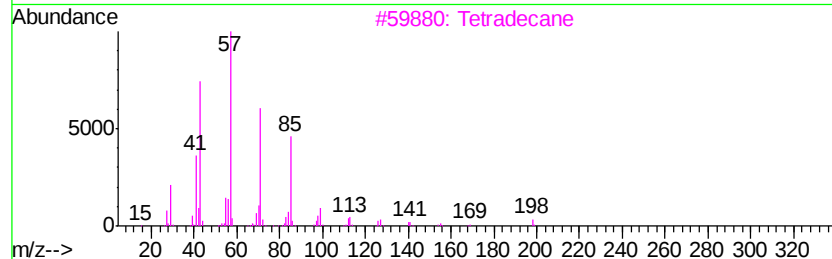
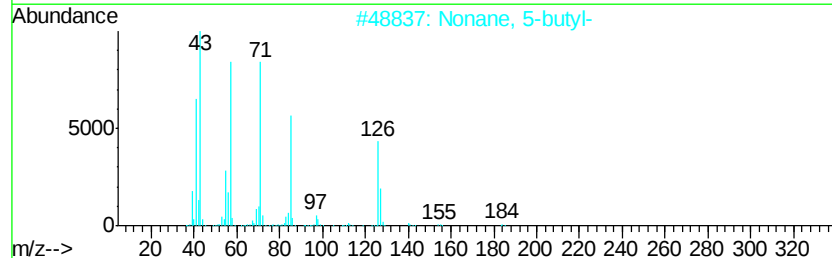
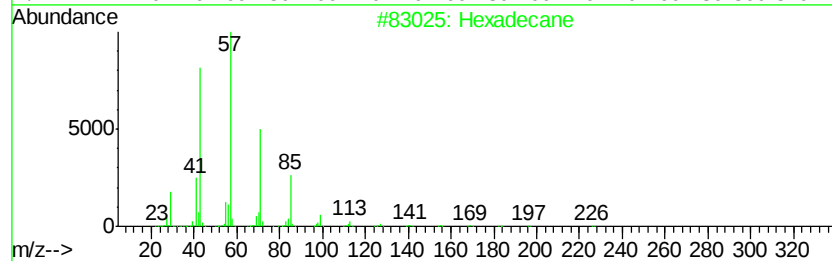
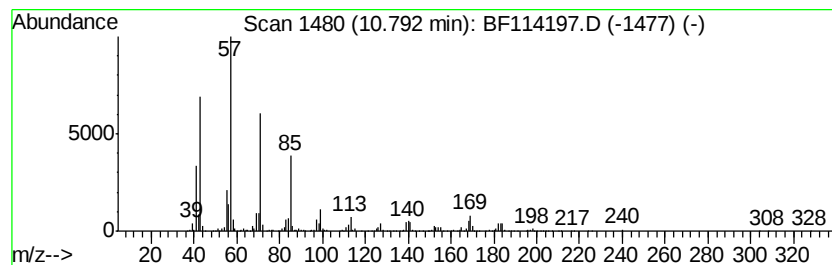
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	6.37 ng	792727	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	96
2		Nonane, 5-butyl-	184	C13H28	017312-63-9	94
3		Tetradecane	198	C14H30	000629-59-4	90
4		Undecane, 2-methyl-	170	C12H26	007045-71-8	87
5		Tridecane, 6-propyl-	226	C16H34	055045-10-8	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
Acq On : 12 May 2019 17:22
Operator : JU/SJ
Sample : K2767-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0206-01

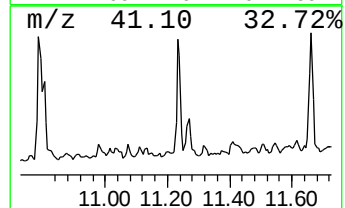
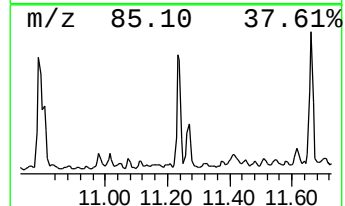
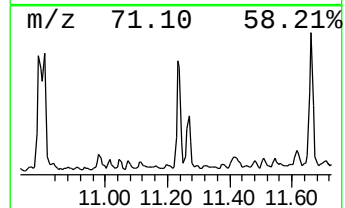
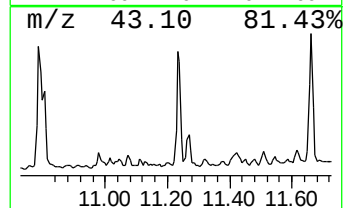
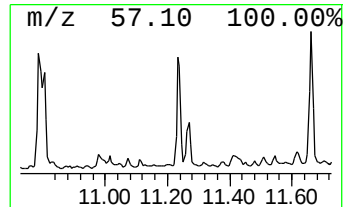
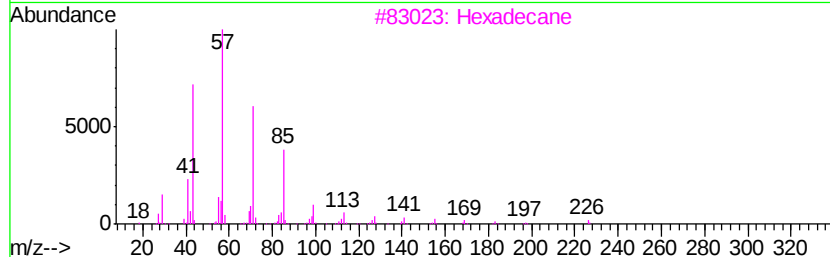
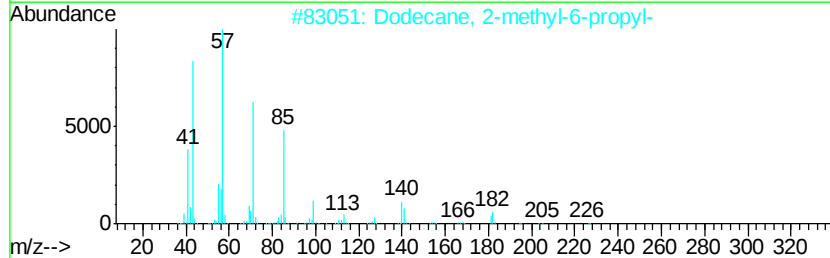
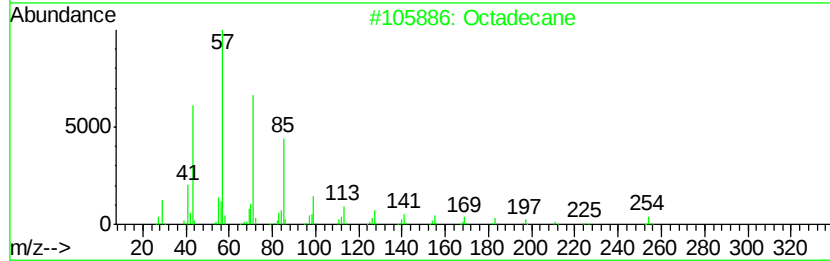
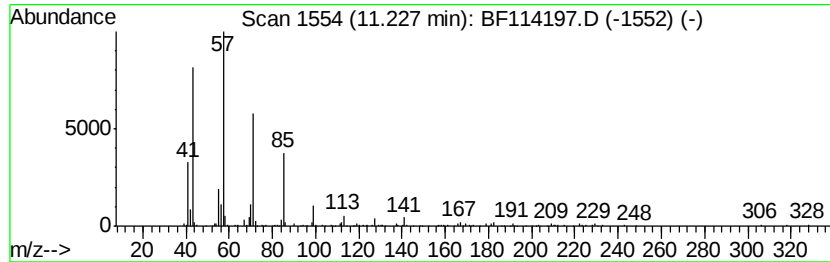
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Octadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	4.87 ng	606129	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	91
2		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
3		Hexadecane	226	C16H34	000544-76-3	90
4		Pentadecane	212	C15H32	000629-62-9	90
5		Tetradecane	198	C14H30	000629-59-4	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
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Sample : K2767-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

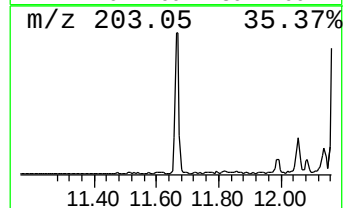
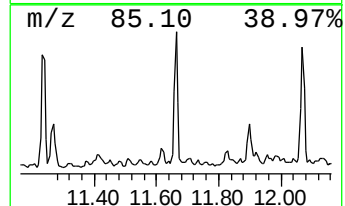
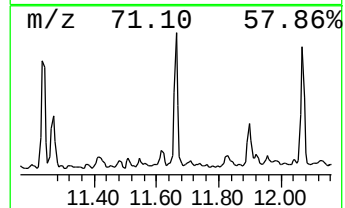
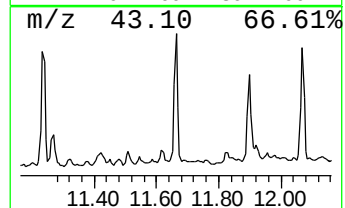
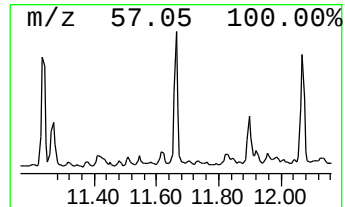
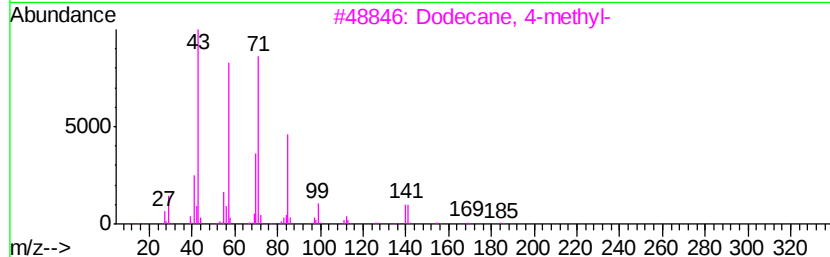
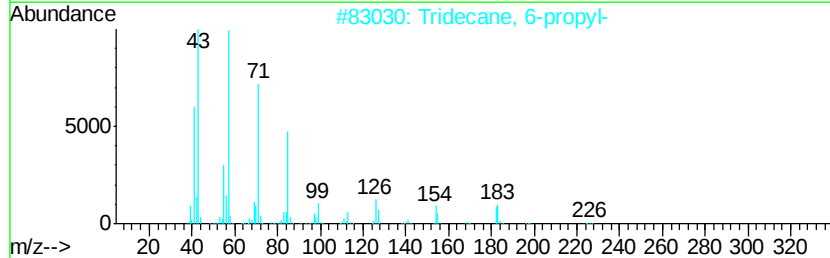
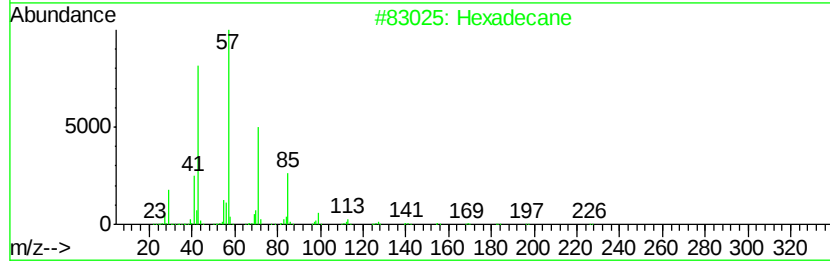
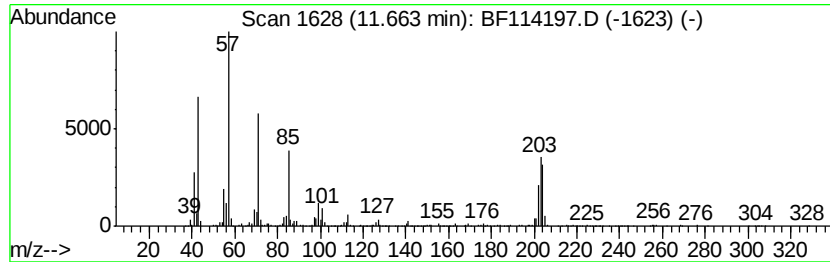
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tridecane, 6-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.66	7.51 ng	934881	Phenanthrene-d10	11.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	70
2	Tridecane, 6-propyl-	226	C16H34	055045-10-8	55
3	Dodecane, 4-methyl-	184	C13H28	006117-97-1	50
4	Pentadecane	212	C15H32	000629-62-9	49
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
Acq On : 12 May 2019 17:22
Operator : JU/SJ
Sample : K2767-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

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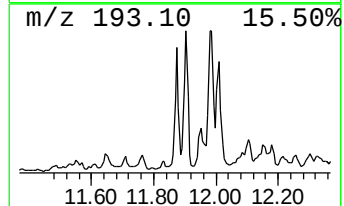
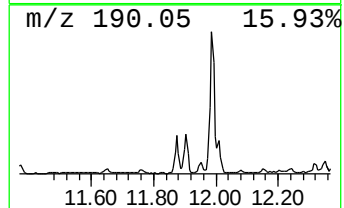
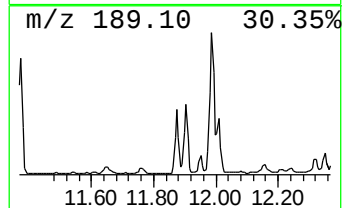
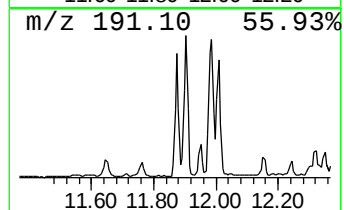
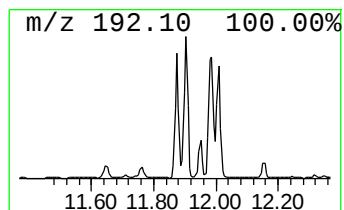
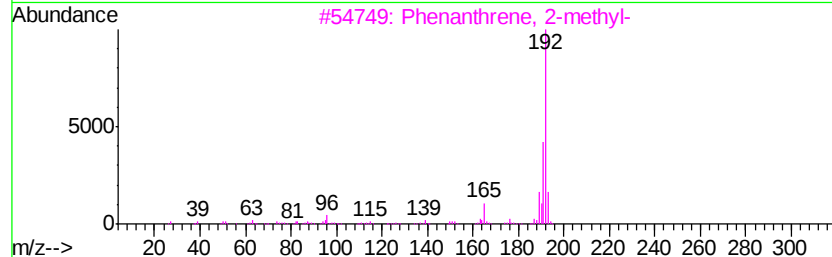
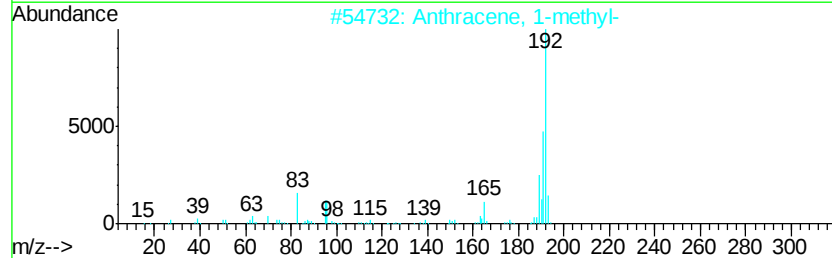
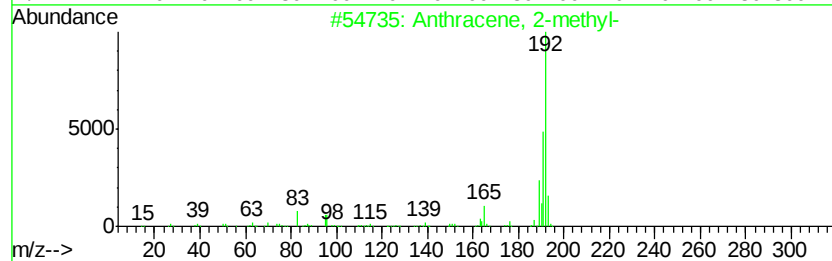
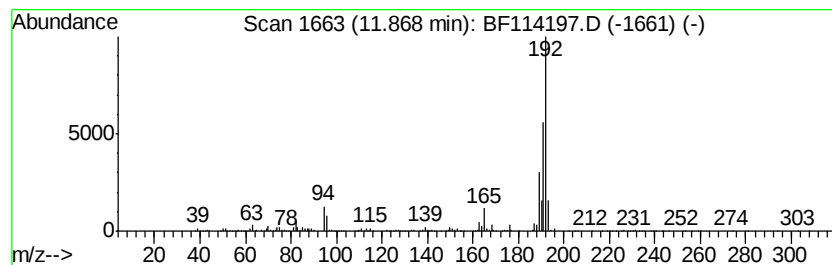
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	6.79 ng	845491	Phenanthrene-d10	11.37

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
Acq On : 12 May 2019 17:22
Operator : JU/SJ
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ClientSampleId :
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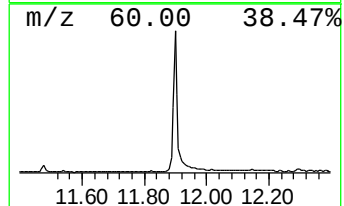
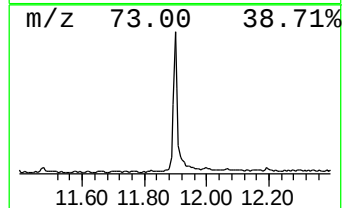
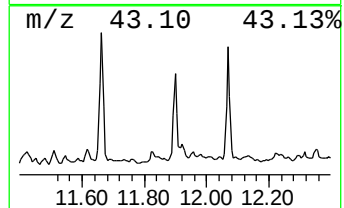
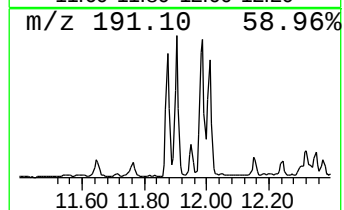
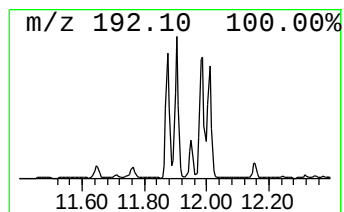
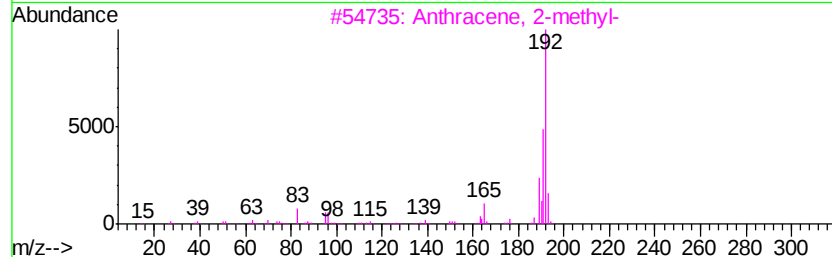
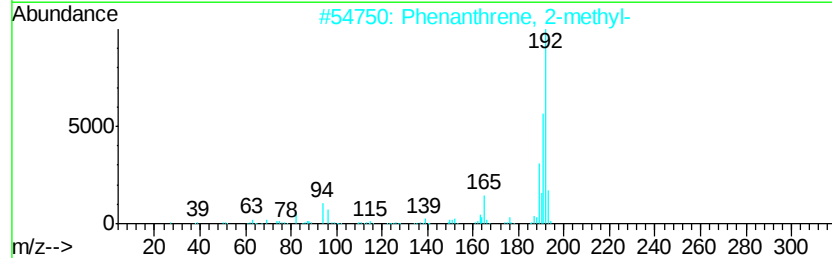
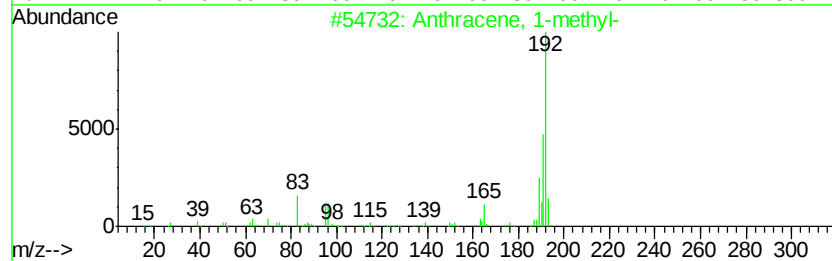
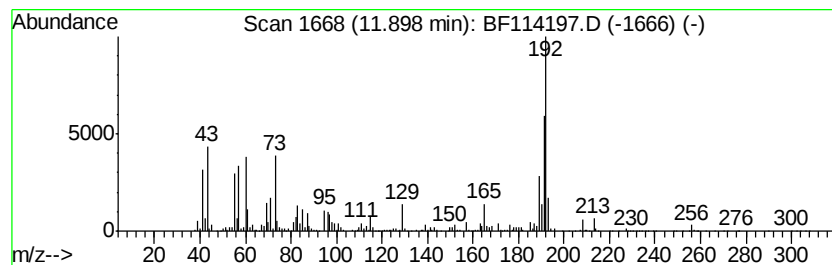
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	13.35 ng	1662200	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	98
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	97
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
Acq On : 12 May 2019 17:22
Operator : JU/SJ
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ClientSampleId :
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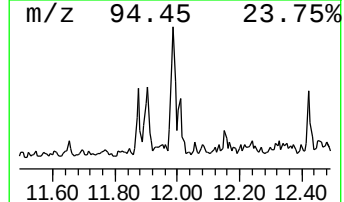
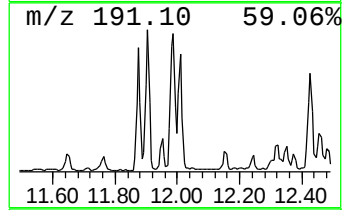
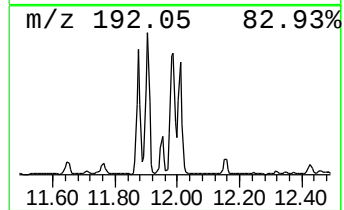
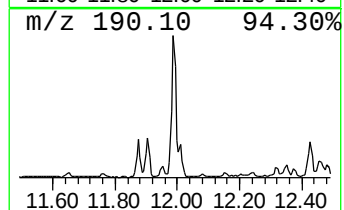
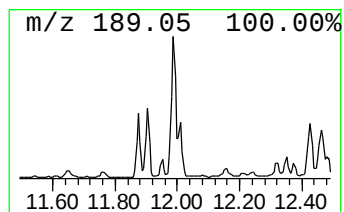
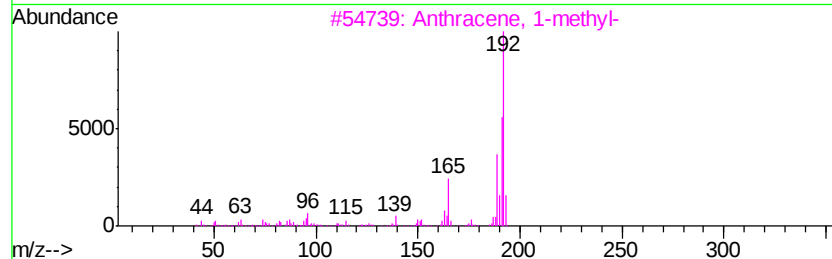
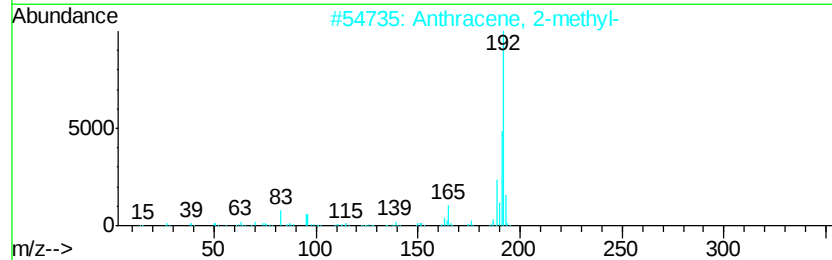
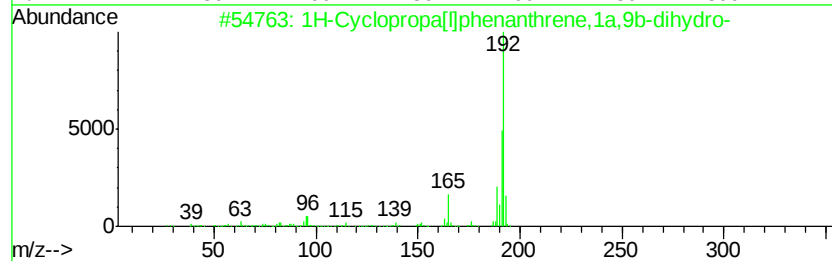
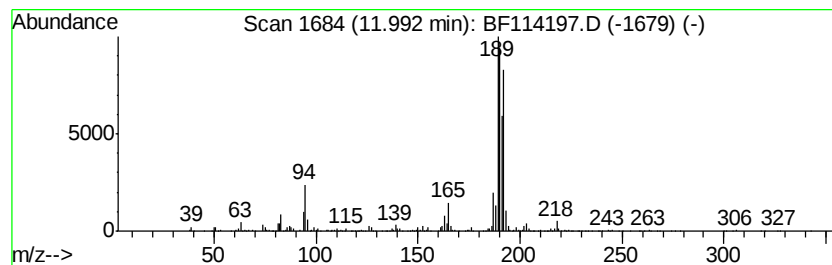
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	11.73 ng	1460510	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
5		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
Acq On : 12 May 2019 17:22
Operator : JU/SJ
Sample : K2767-16
Misc :
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ClientSampleId :
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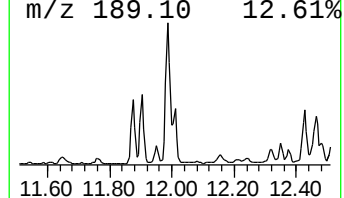
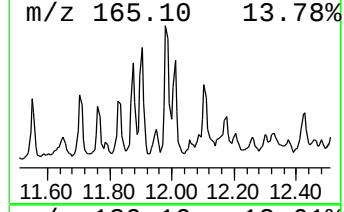
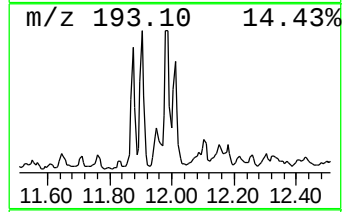
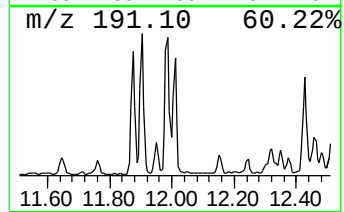
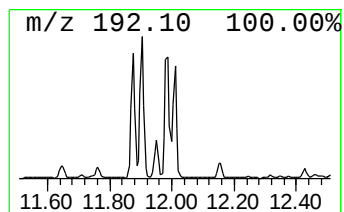
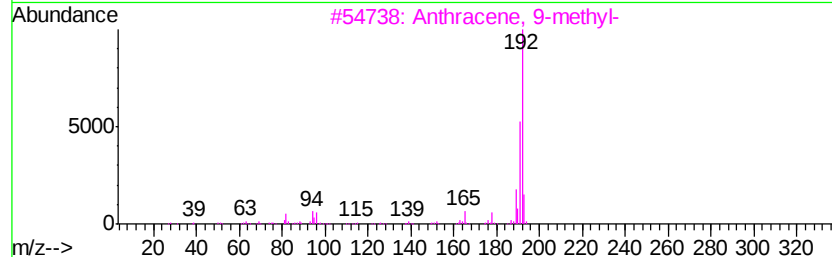
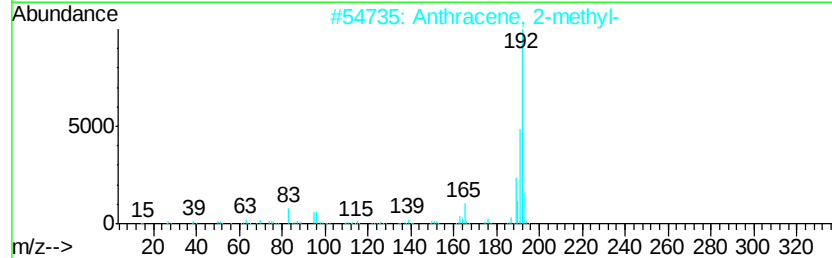
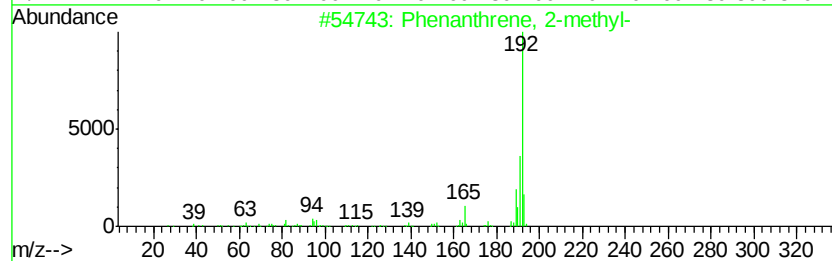
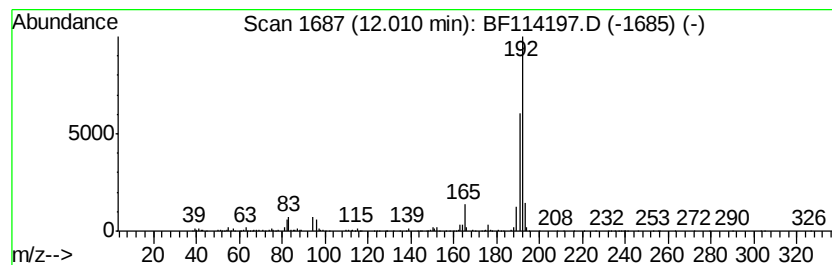
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	5.65 ng	703217	Phenanthrene-d10	11.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4			Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
Acq On : 12 May 2019 17:22
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Sample : K2767-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P026-SS012-0206-01

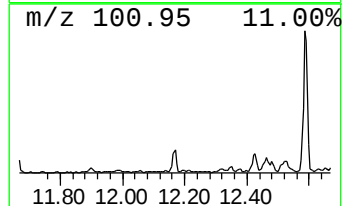
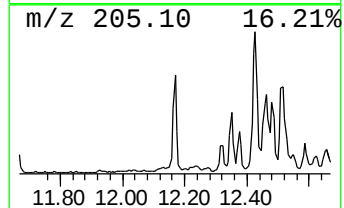
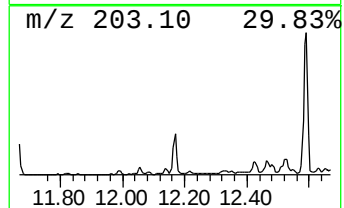
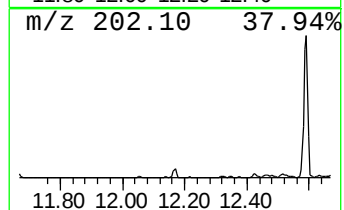
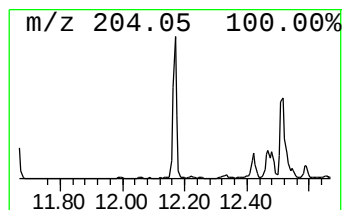
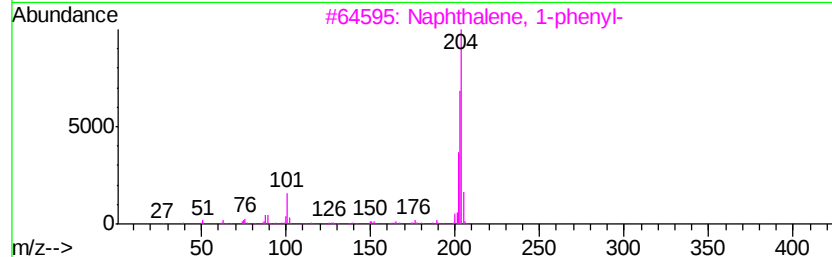
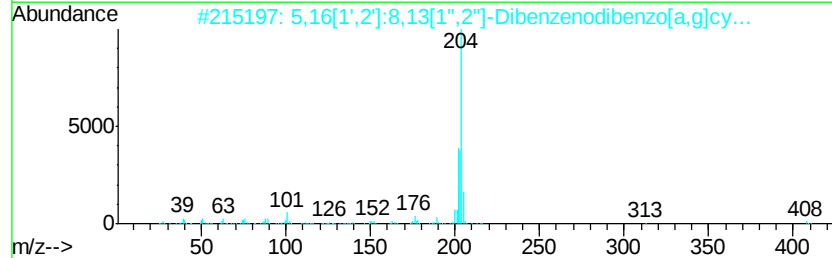
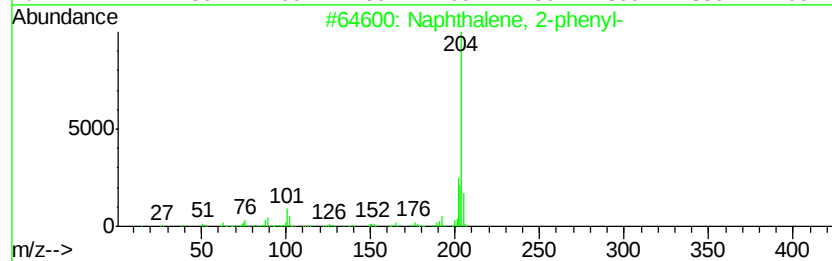
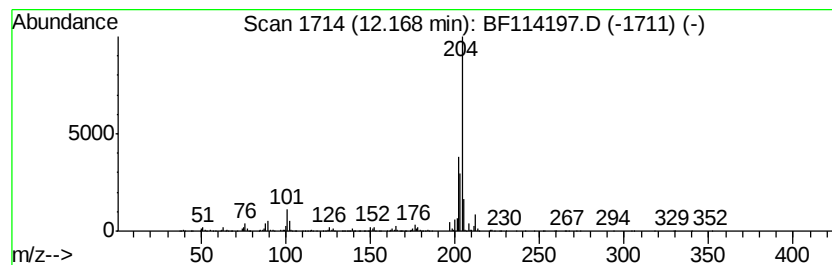
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	5.23 ng	650811	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
Acq On : 12 May 2019 17:22
Operator : JU/SJ
Sample : K2767-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0206-01

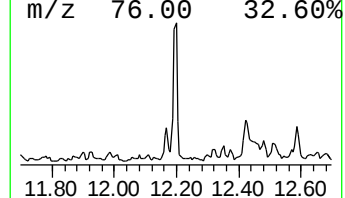
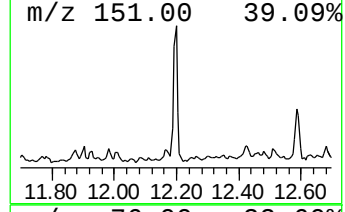
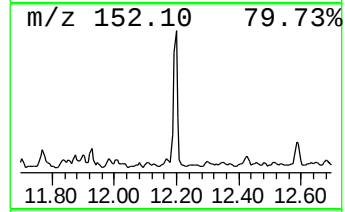
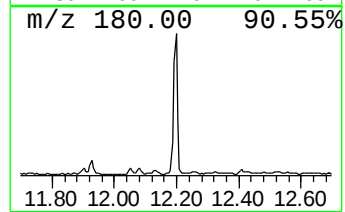
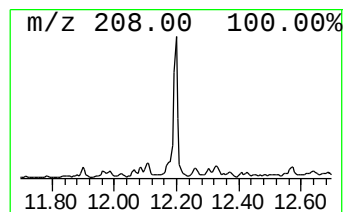
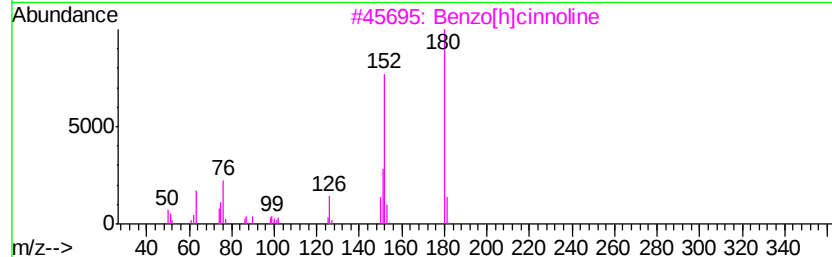
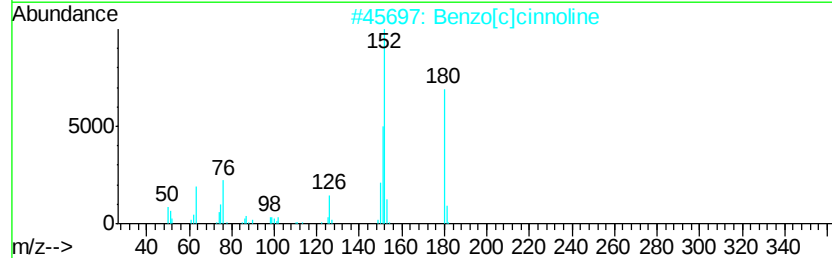
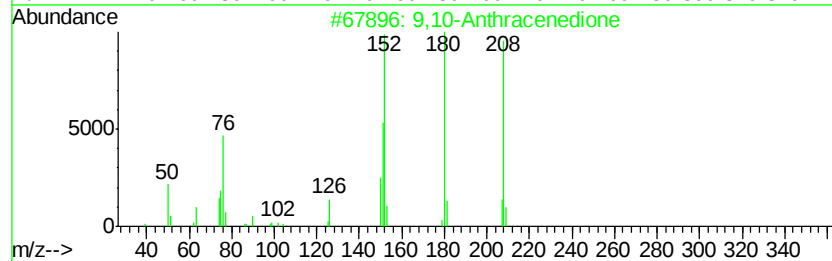
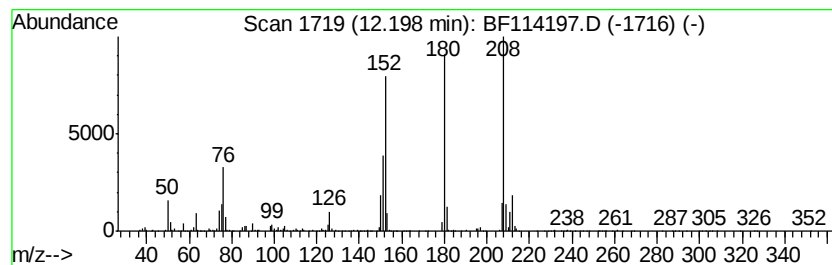
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	5.51 ng	685735	Phenanthrene-d10	11.37

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	78
3			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5			1,4-Anthracenedione	208	C14H8O2	000635-12-1	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
Acq On : 12 May 2019 17:22
Operator : JU/SJ
Sample : K2767-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P026-SS012-0206-01

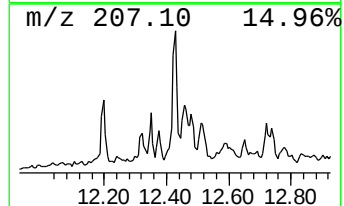
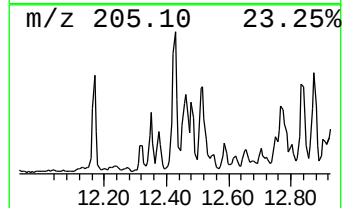
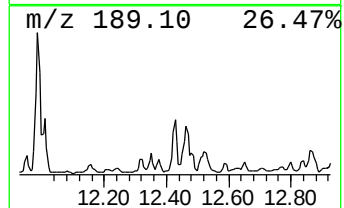
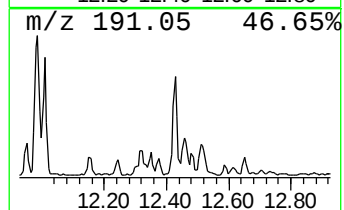
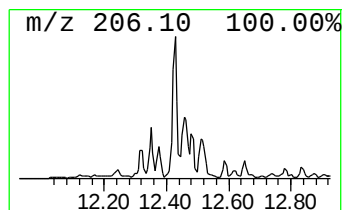
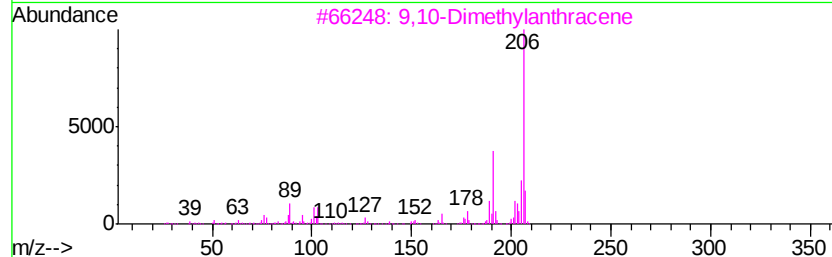
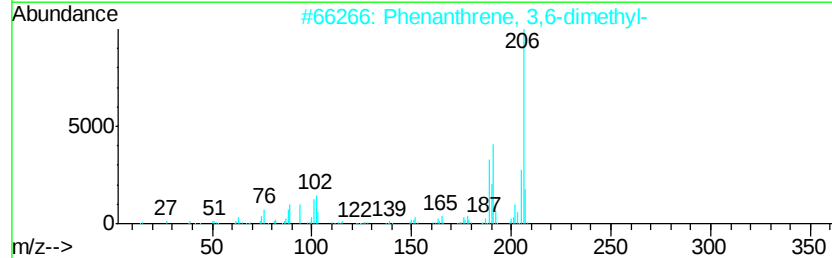
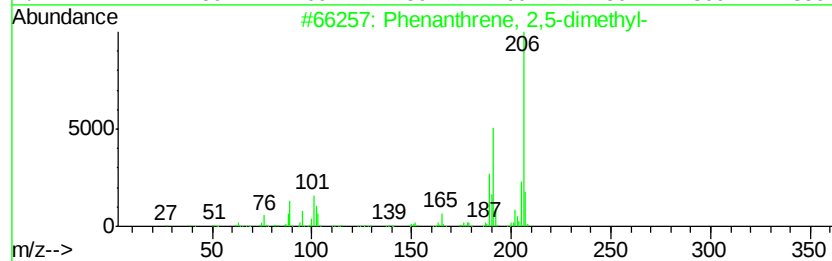
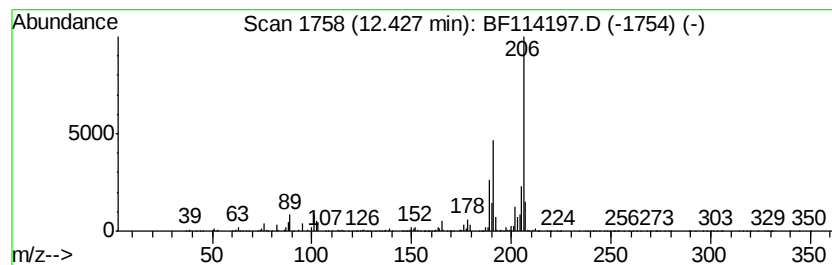
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	9.09 ng	1131850	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
Acq On : 12 May 2019 17:22
Operator : JU/SJ
Sample : K2767-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P026-SS012-0206-01

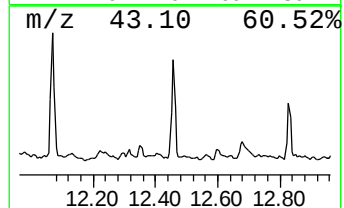
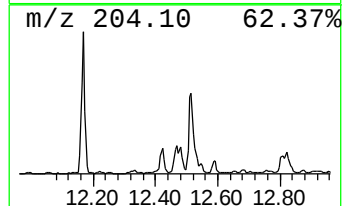
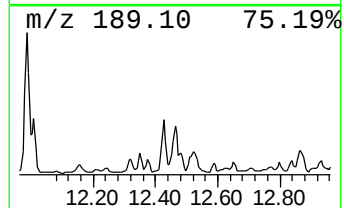
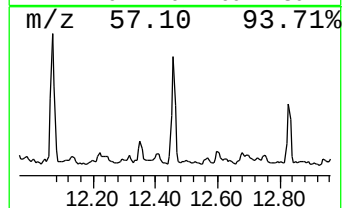
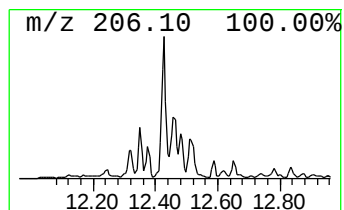
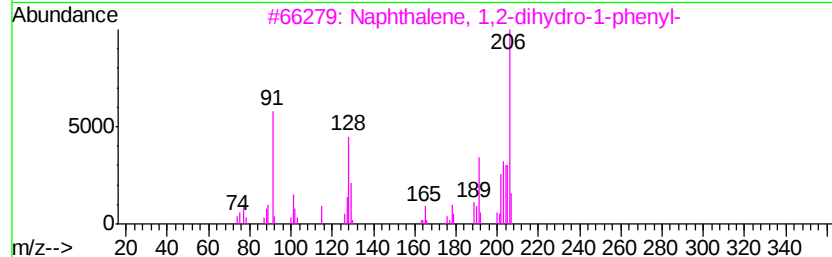
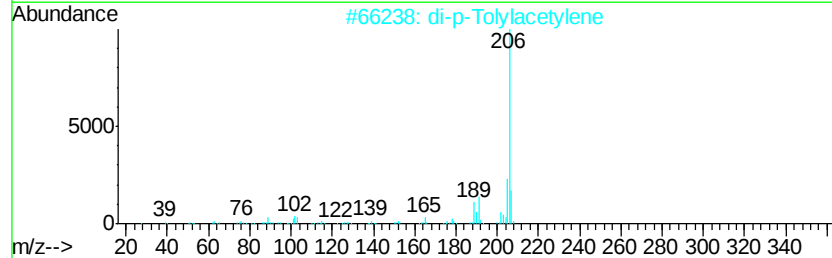
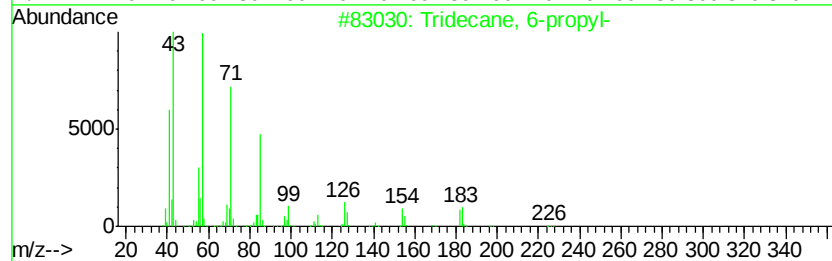
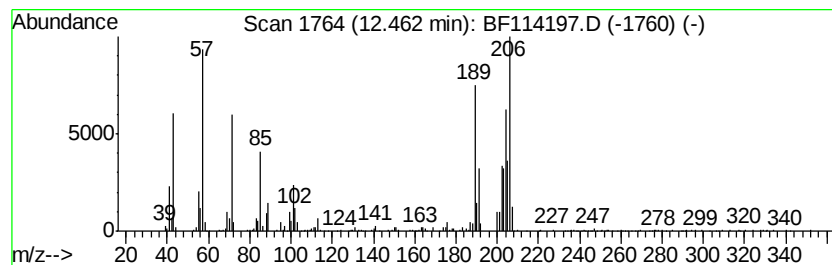
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown12.46 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	8.58 ng	1068890	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	51
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	46
3		Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	43
4		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	41
5		Tridecane, 7-propyl-	226	C16H34	055045-09-5	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
Acq On : 12 May 2019 17:22
Operator : JU/SJ
Sample : K2767-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

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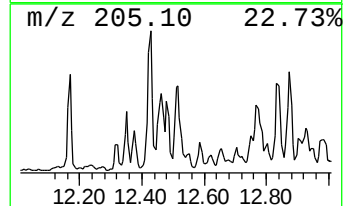
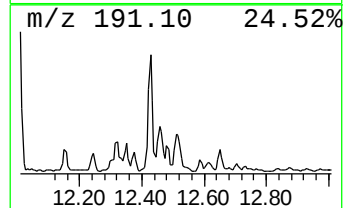
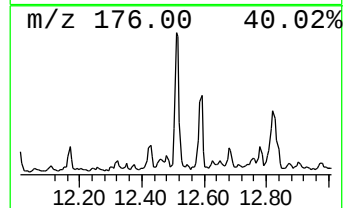
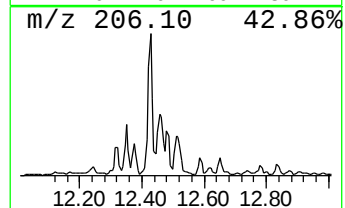
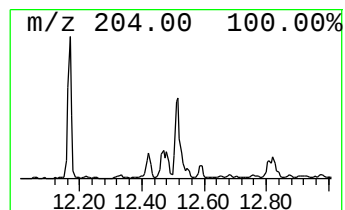
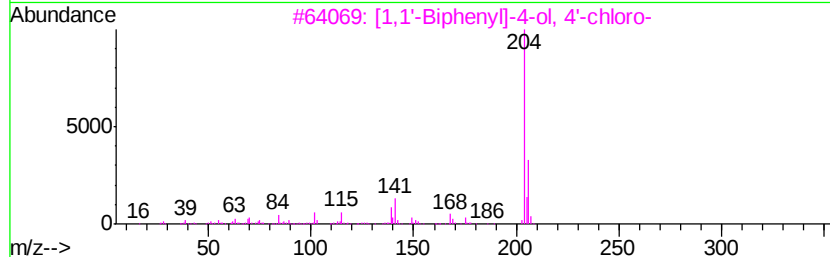
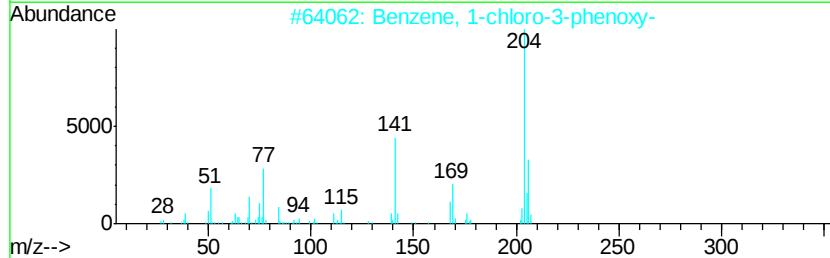
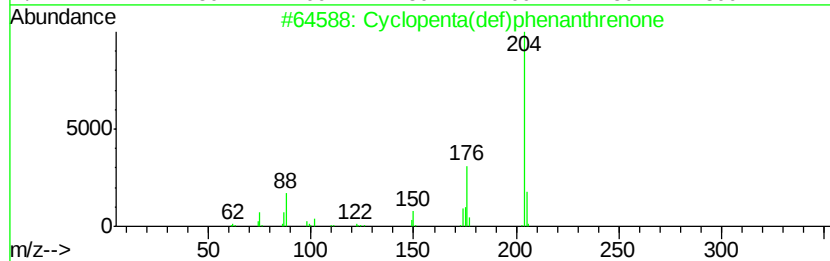
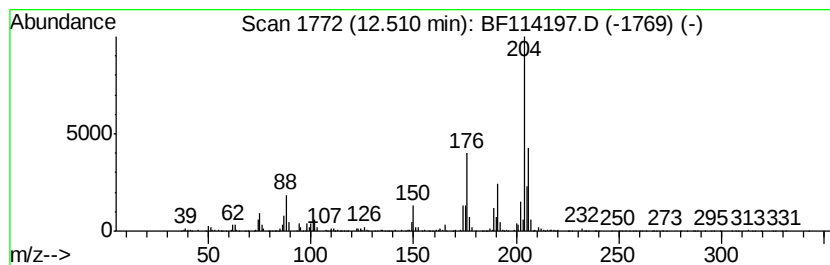
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	6.39 ng	795954	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
3		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
Acq On : 12 May 2019 17:22
Operator : JU/SJ
Sample : K2767-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0206-01

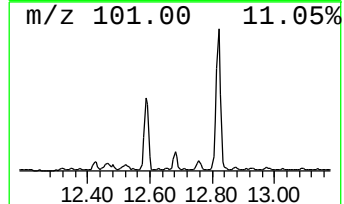
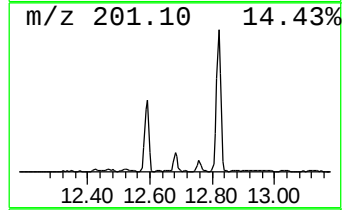
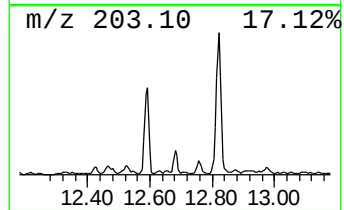
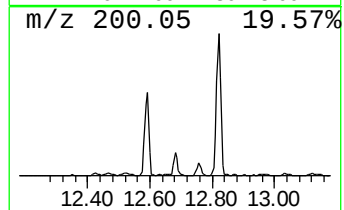
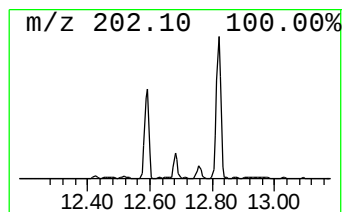
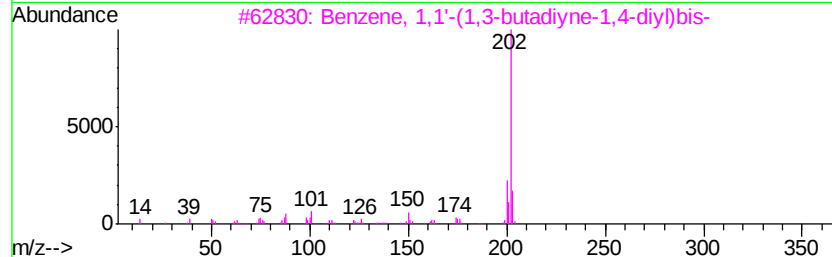
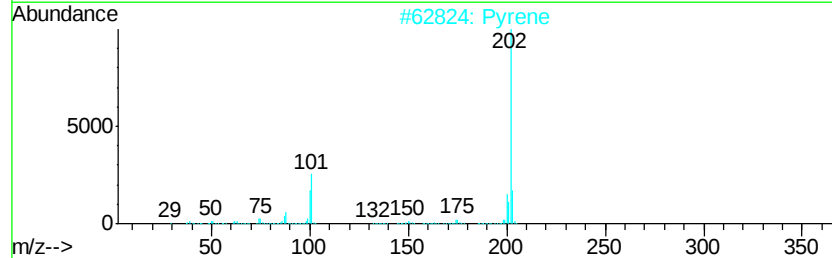
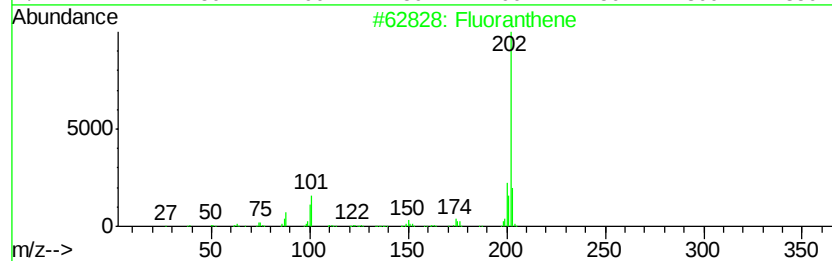
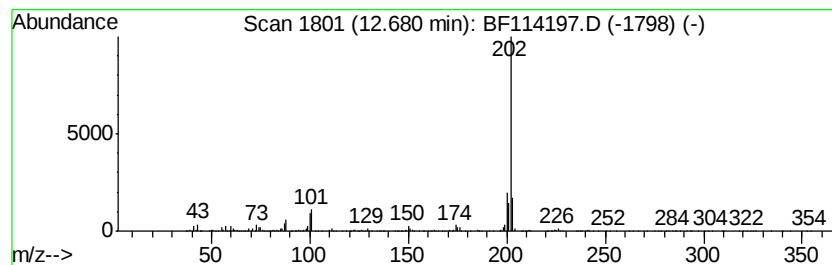
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	7.17 ng	892898	Phenanthrene-d10	11.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene	202	C16H10	000206-44-0	95
2			Pyrene	202	C16H10	000129-00-0	92
3			Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	76
4			l-Leucyl-l-leucine, N,N'-dimethy...	472	C25H48N2O6	1000328-59-4	50
5			l-Leucine, N-methyl-N-(2-methoxy...	485	C28H55NO5	1000328-55-1	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
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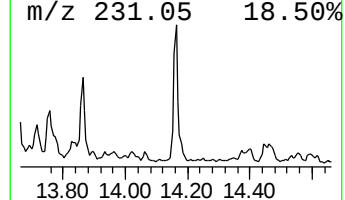
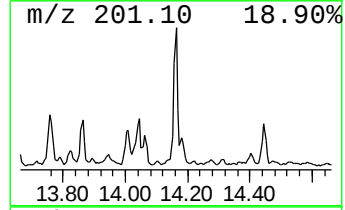
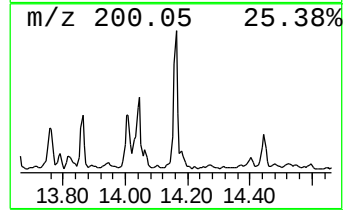
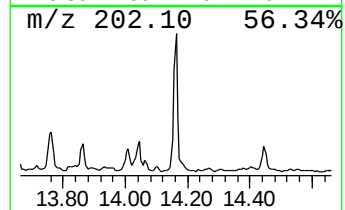
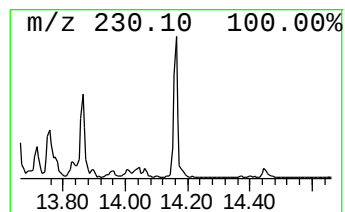
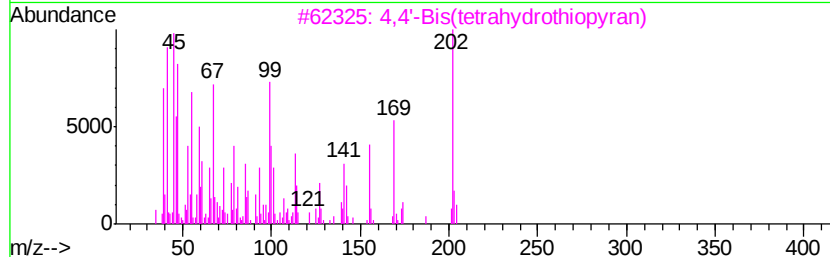
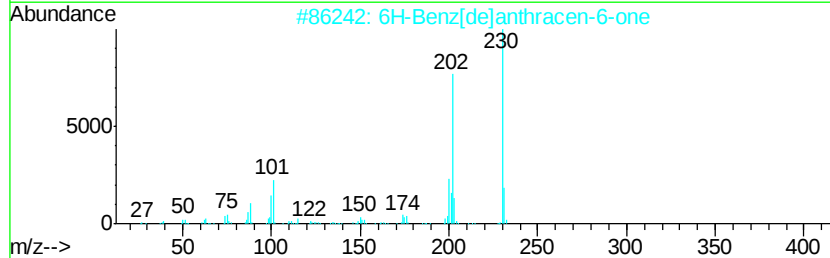
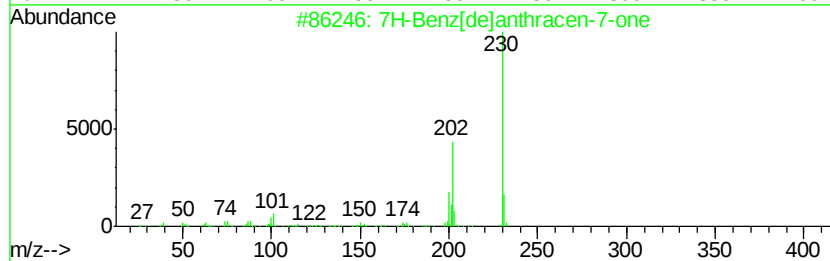
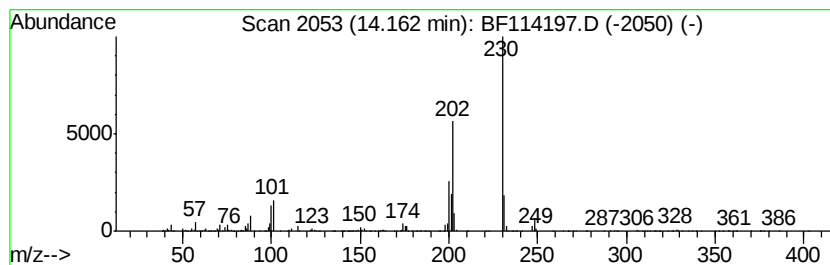
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.16	5.39 ng	1597910	Chrysene-d12	14.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	94
3	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	92
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	76
5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
Acq On : 12 May 2019 17:22
Operator : JU/SJ
Sample : K2767-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

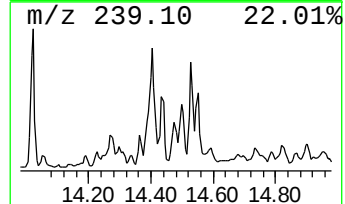
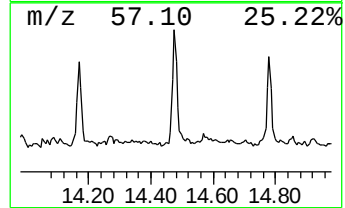
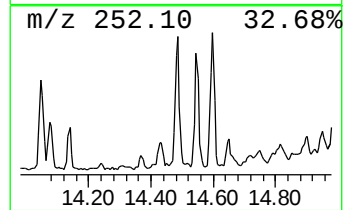
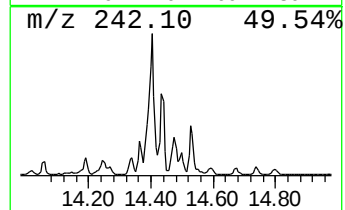
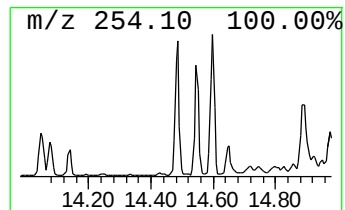
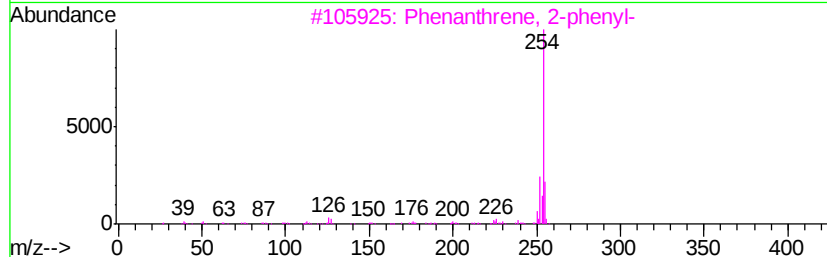
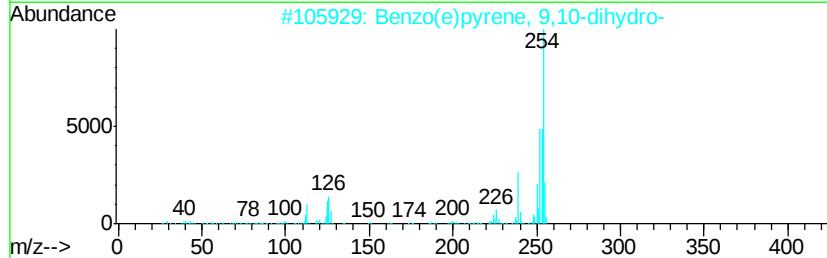
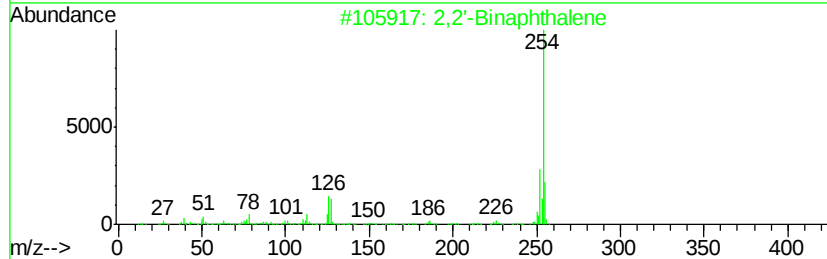
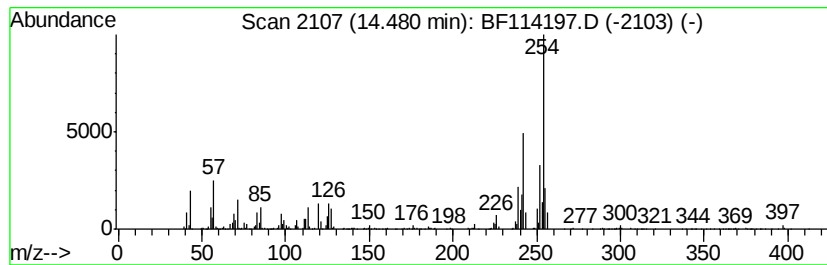
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ClientSampleId :
P026-SS012-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 2,2'-Binaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.48	5.09 ng	1509390	Chrysene-d12	14.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Binaphthalene	254	C20H14	000612-78-2	50
2	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	49
3	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	45
4	(6-Isopropyl-3,4-bis(methylamino...	254	C15H18N4	014203-76-0	43
5	Acenaphtho(1,2-b)quinoxaline	254	C18H10N2	000207-11-4	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
Acq On : 12 May 2019 17:22
Operator : JU/SJ
Sample : K2767-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

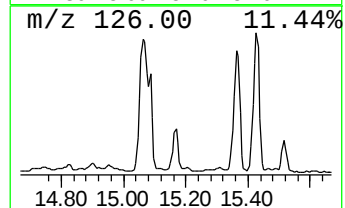
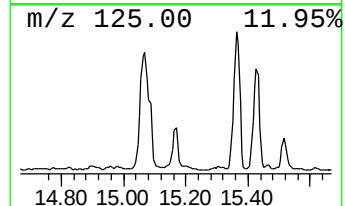
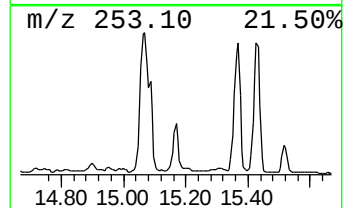
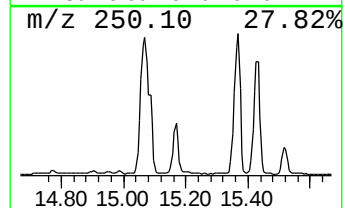
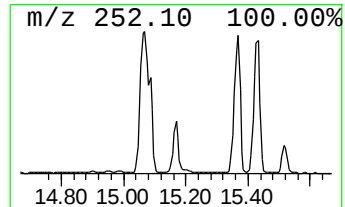
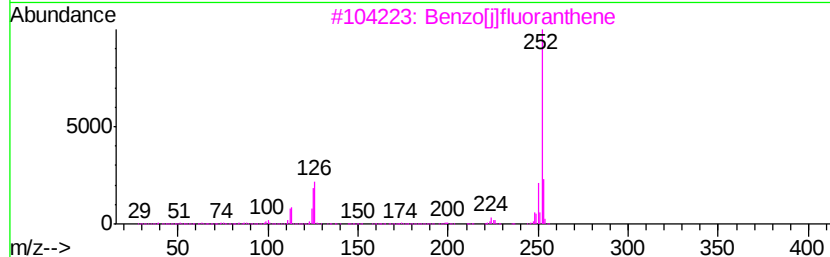
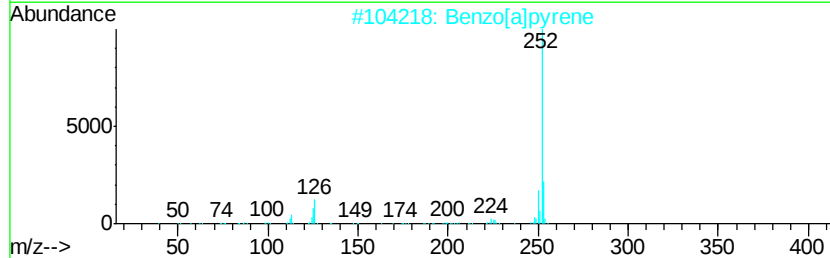
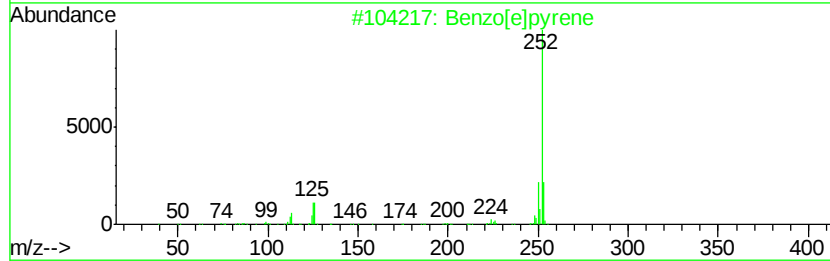
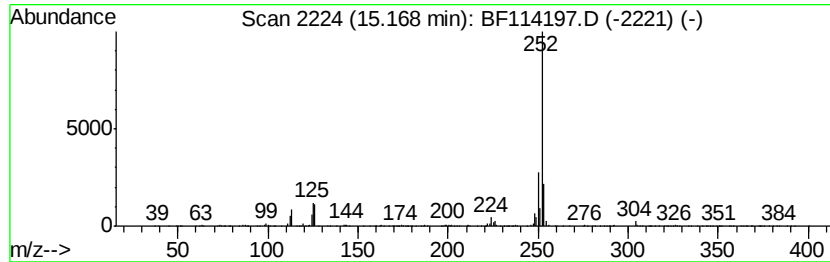
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ClientSampleId :
P026-SS012-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.17	9.43 ng	897734	Perylene-d12	15.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benzo[i]fluoranthene	252	C20H12	000205-82-3	95
4	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
Acq On : 12 May 2019 17:22
Operator : JU/SJ
Sample : K2767-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P026-SS012-0206-01

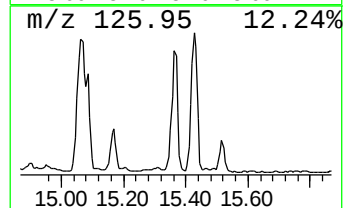
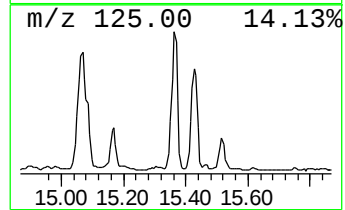
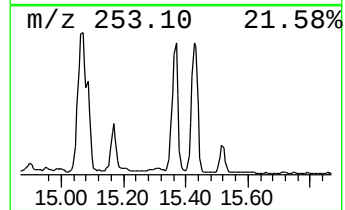
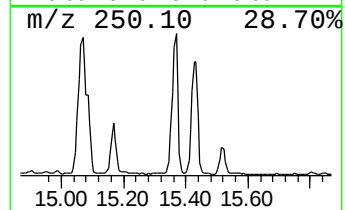
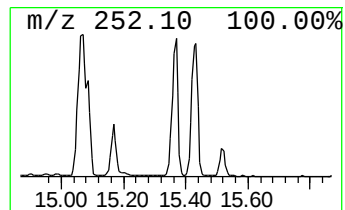
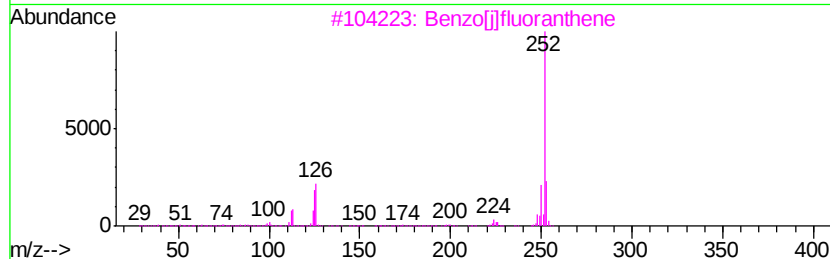
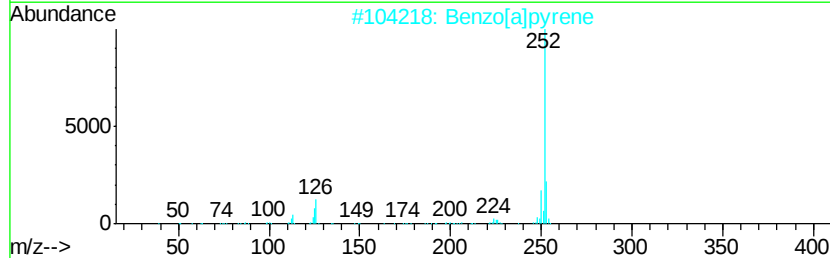
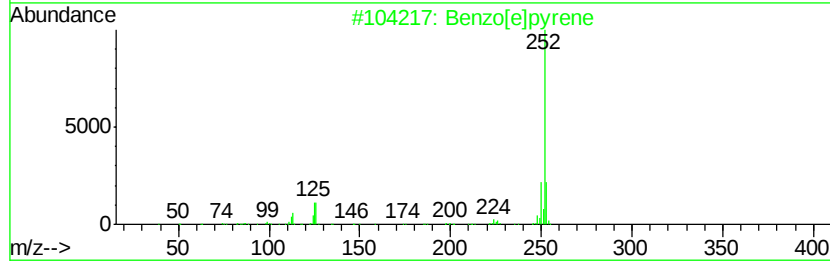
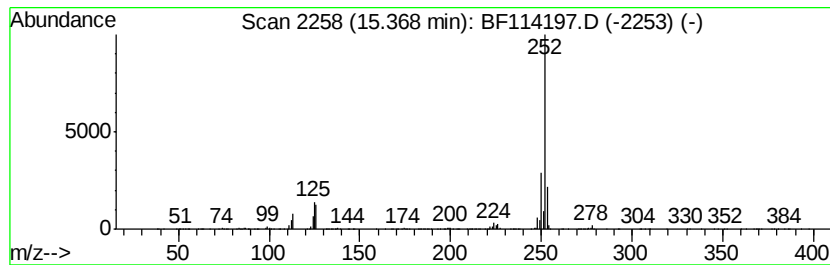
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	33.39 ng	3177640	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[a]pyrene	252	C20H12	000050-32-8	98
3		Benzo[i]fluoranthene	252	C20H12	000205-82-3	95
4		Perylene	252	C20H12	000198-55-0	95
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051219\
 Data File : BF114197.D
 Acq On : 12 May 2019 17:22
 Operator : JU/SJ
 Sample : K2767-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
Butane, 2-methoxy...	2.13	19.6	ng	1883460	1	6.85	1923760	20.0
unknown6.63	6.63	70.4	ng	6775560	1	6.85	1923760	20.0
Hexadecane	10.79	6.4	ng	792727	4	11.37	2490250	20.0
Octadecane	11.23	4.9	ng	606129	4	11.37	2490250	20.0
Tridecane, 6-propyl-	11.66	7.5	ng	934881	4	11.37	2490250	20.0
Anthracene, 2-met...	11.87	6.8	ng	845491	4	11.37	2490250	20.0
Anthracene, 1-met...	11.90	13.4	ng	1662200	4	11.37	2490250	20.0
1H-Cyclopropa[1]p...	11.99	11.7	ng	1460510	4	11.37	2490250	20.0
Phenanthrene, 2-m...	12.01	5.7	ng	703217	4	11.37	2490250	20.0
Naphthalene, 2-ph...	12.17	5.2	ng	650811	4	11.37	2490250	20.0
9,10-Anthracenedione	12.20	5.5	ng	685735	4	11.37	2490250	20.0
Phenanthrene, 2,5...	12.43	9.1	ng	1131850	4	11.37	2490250	20.0
unknown12.46	12.46	8.6	ng	1068890	4	11.37	2490250	20.0
Cyclopenta(def)ph...	12.51	6.4	ng	795954	4	11.37	2490250	20.0
Benzene, 1,1'-(1,...	12.68	7.2	ng	892898	4	11.37	2490250	20.0
7H-Benz[de]anthra...	14.16	5.4	ng	1597910	5	14.02	5931870	20.0
2,2'-Binaphthalene	14.48	5.1	ng	1509390	5	14.02	5931870	20.0
Benzo[e]pyrene	15.17	9.4	ng	897734	6	15.49	1903130	20.0
Benzo[j]fluoranthene	15.37	33.4	ng	3177640	6	15.49	1903130	20.0