

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082020\
 Data File : BF121355.D
 Acq On : 20 Aug 2020 19:18
 Operator : JU/CG
 Sample : L3499-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-081820

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-BF081920.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	5.298	543	546	560	rBV	421192	421423	7.86%	0.638%
2	6.333	719	722	736	rBV	468388	451016	8.42%	0.683%
3	6.692	780	783	790	rBV	927993	791923	14.78%	1.198%
4	7.257	876	879	883	rBV	314574	253608	4.73%	0.384%
5	7.980	996	1002	1004	rBV	1180341	1393103	26.00%	2.108%
6	7.998	1004	1005	1008	rVV	1018234	703156	13.12%	1.064%
7	8.275	1047	1052	1055	rBV5	82402	132140	2.47%	0.200%
8	8.404	1070	1074	1076	rBV	132436	123559	2.31%	0.187%
9	8.480	1083	1087	1090	rBV2	140195	134829	2.52%	0.204%
10	8.575	1099	1103	1106	rBV	554819	435662	8.13%	0.659%
11	8.692	1120	1123	1126	rVB	583489	459552	8.58%	0.695%
12	8.786	1135	1139	1144	rBV2	366406	444077	8.29%	0.672%
13	9.004	1173	1176	1180	rVV3	158894	169319	3.16%	0.256%
14	9.051	1181	1184	1188	rVB	716227	541924	10.11%	0.820%
15	9.139	1194	1199	1204	rBV2	696497	719618	13.43%	1.089%
16	9.251	1215	1218	1223	rVB2	97860	114706	2.14%	0.174%
17	9.322	1223	1230	1233	rBV4	217942	321807	6.01%	0.487%
18	9.392	1239	1242	1244	rVV2	314061	334728	6.25%	0.507%
19	9.416	1244	1246	1248	rVV	268605	210788	3.93%	0.319%
20	9.457	1248	1253	1255	rVV3	272453	357280	6.67%	0.541%
21	9.480	1255	1257	1259	rVV	162287	141877	2.65%	0.215%
22	9.510	1259	1262	1266	rVB2	176212	229075	4.27%	0.347%
23	9.592	1273	1276	1281	rBV	220630	207835	3.88%	0.315%
24	9.669	1286	1289	1292	rVV	704366	563505	10.52%	0.853%
25	9.727	1293	1299	1302	rVV	1239484	1202996	22.45%	1.820%
26	9.763	1302	1305	1309	rVV	659164	610798	11.40%	0.924%
27	9.892	1323	1327	1331	rBV4	89317	187486	3.50%	0.284%
28	9.933	1331	1334	1337	rVV	639338	560800	10.47%	0.849%
29	9.986	1339	1343	1347	rVV3	135625	213648	3.99%	0.323%
30	10.169	1370	1374	1376	rVV	629261	601989	11.23%	0.911%
31	10.221	1380	1383	1388	rVB5	66115	111094	2.07%	0.168%
32	10.274	1388	1392	1398	rBV	969949	922336	17.21%	1.396%
33	10.363	1405	1407	1408	rVV	166748	141385	2.64%	0.214%
34	10.386	1408	1411	1413	rVV	286103	290343	5.42%	0.439%

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 ClientSampleId :
 HD-01-081820

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
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Filtering: 5
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.433	1416	1419	1423	rVB2	229270	206437	3.85%	0.312%
36	10.516	1428	1433	1437	rVB3	461694	508575	9.49%	0.770%
37	10.639	1451	1454	1462	rVB	708914	798066	14.89%	1.208%
38	10.827	1481	1486	1488	rBV2	188956	248475	4.64%	0.376%
39	10.851	1488	1490	1496	rVV2	138032	169312	3.16%	0.256%
40	11.086	1527	1530	1532	rVV	595176	516695	9.64%	0.782%
41	11.110	1532	1534	1540	rVB2	381122	432384	8.07%	0.654%
42	11.216	1548	1552	1554	rBV	1026663	1097817	20.49%	1.661%
43	11.239	1554	1556	1559	rVV	2782736	2566548	47.90%	3.884%
44	11.292	1561	1565	1568	rVB	1370336	1229040	22.94%	1.860%
45	11.327	1568	1571	1574	rBV2	108038	109096	2.04%	0.165%
46	11.445	1588	1591	1593	rBV	312991	232871	4.35%	0.352%
47	11.510	1599	1602	1604	rBV	541470	457076	8.53%	0.692%
48	11.539	1604	1607	1613	rVB4	359936	427136	7.97%	0.646%
49	11.616	1616	1620	1623	rBV	3283179	2974517	55.51%	4.501%
50	11.716	1633	1637	1639	rBV	481797	410541	7.66%	0.621%
51	11.745	1639	1642	1645	rVB	652895	541963	10.11%	0.820%
52	11.792	1645	1650	1652	rBV	327169	307984	5.75%	0.466%
53	11.827	1652	1656	1658	rVV	880838	868640	16.21%	1.314%
54	11.851	1658	1660	1664	rVB	318939	278031	5.19%	0.421%
55	11.921	1669	1672	1675	rVB	405825	339254	6.33%	0.513%
56	12.010	1684	1687	1690	rVV	360407	326412	6.09%	0.494%
57	12.157	1707	1712	1715	rBV3	112034	157952	2.95%	0.239%
58	12.192	1715	1718	1720	rBV	127361	135977	2.54%	0.206%
59	12.263	1727	1730	1733	rBV	265167	288822	5.39%	0.437%
60	12.304	1733	1737	1739	rVV	4080171	5358567	100.00%	8.109%
61	12.327	1739	1741	1751	rVB2	4287617	5321667	99.31%	8.053%
62	12.404	1751	1754	1756	rBV	1485744	1440442	26.88%	2.180%
63	12.433	1756	1759	1762	rVB	2884165	2654419	49.54%	4.017%
64	12.492	1762	1769	1771	rBV2	135417	175711	3.28%	0.266%
65	12.574	1781	1783	1788	rVB3	138256	167538	3.13%	0.254%
66	12.663	1791	1798	1800	rBV2	2362307	3393816	63.33%	5.136%
67	12.710	1803	1806	1811	rVB2	140393	185176	3.46%	0.280%
68	12.774	1814	1817	1819	rBV	204630	183435	3.42%	0.278%
69	12.798	1819	1821	1823	rBV	571195	415425	7.75%	0.629%
70	12.874	1830	1834	1838	rBV2	217297	347385	6.48%	0.526%
71	12.962	1846	1849	1850	rBV2	338364	327993	6.12%	0.496%

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 ClientSampleId :
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Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
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72	12.986	1850	1853	1858	rVV	885465	865562	16.15%	1.310%
73	13.051	1858	1864	1867	rVV3	906293	941806	17.58%	1.425%
74	13.086	1867	1870	1874	rVV2	363852	396806	7.41%	0.600%
75	13.127	1874	1877	1882	rVV3	151376	221060	4.13%	0.335%
76	13.180	1883	1886	1889	rVV	198960	188993	3.53%	0.286%
77	13.210	1889	1891	1894	rVB	234368	188761	3.52%	0.286%
78	13.380	1917	1920	1922	rBV3	182051	191406	3.57%	0.290%
79	13.468	1932	1935	1937	rBV	147371	181666	3.39%	0.275%
80	13.551	1947	1949	1953	rVB2	201240	235074	4.39%	0.356%
81	13.604	1955	1958	1960	rVV	201962	229000	4.27%	0.347%
82	13.627	1960	1962	1964	rVV	291464	245819	4.59%	0.372%
83	13.651	1964	1966	1972	rVV3	230680	316704	5.91%	0.479%
84	13.704	1972	1975	1978	rVV2	210452	202858	3.79%	0.307%
85	13.851	1993	2000	2003	rBV2	1813049	2929898	54.68%	4.434%
86	13.880	2003	2005	2008	rVB	1378642	1137489	21.23%	1.721%
87	13.957	2016	2018	2021	rVB	346864	254771	4.75%	0.386%
88	14.239	2063	2066	2069	rVB	375902	316387	5.90%	0.479%
89	14.274	2069	2072	2075	rVB	163435	145234	2.71%	0.220%
90	14.362	2085	2087	2089	rBV	206544	174075	3.25%	0.263%
91	14.386	2089	2091	2093	rVB	257241	198141	3.70%	0.300%
92	14.621	2128	2131	2134	rBV2	175503	213469	3.98%	0.323%
93	14.733	2146	2150	2155	rVB2	240300	374449	6.99%	0.567%
94	14.874	2169	2174	2176	rBV	1071695	1598420	29.83%	2.419%
95	14.968	2187	2190	2194	rVB	284400	277605	5.18%	0.420%
96	15.151	2218	2221	2227	rVB	637594	799908	14.93%	1.210%
97	15.209	2227	2231	2236	rBV	952243	1192289	22.25%	1.804%
98	15.268	2237	2241	2244	rBV	673064	879113	16.41%	1.330%
99	16.627	2468	2472	2478	rVB2	363443	641277	11.97%	0.970%
100	17.039	2538	2542	2550	rVB	248206	443108	8.27%	0.671%

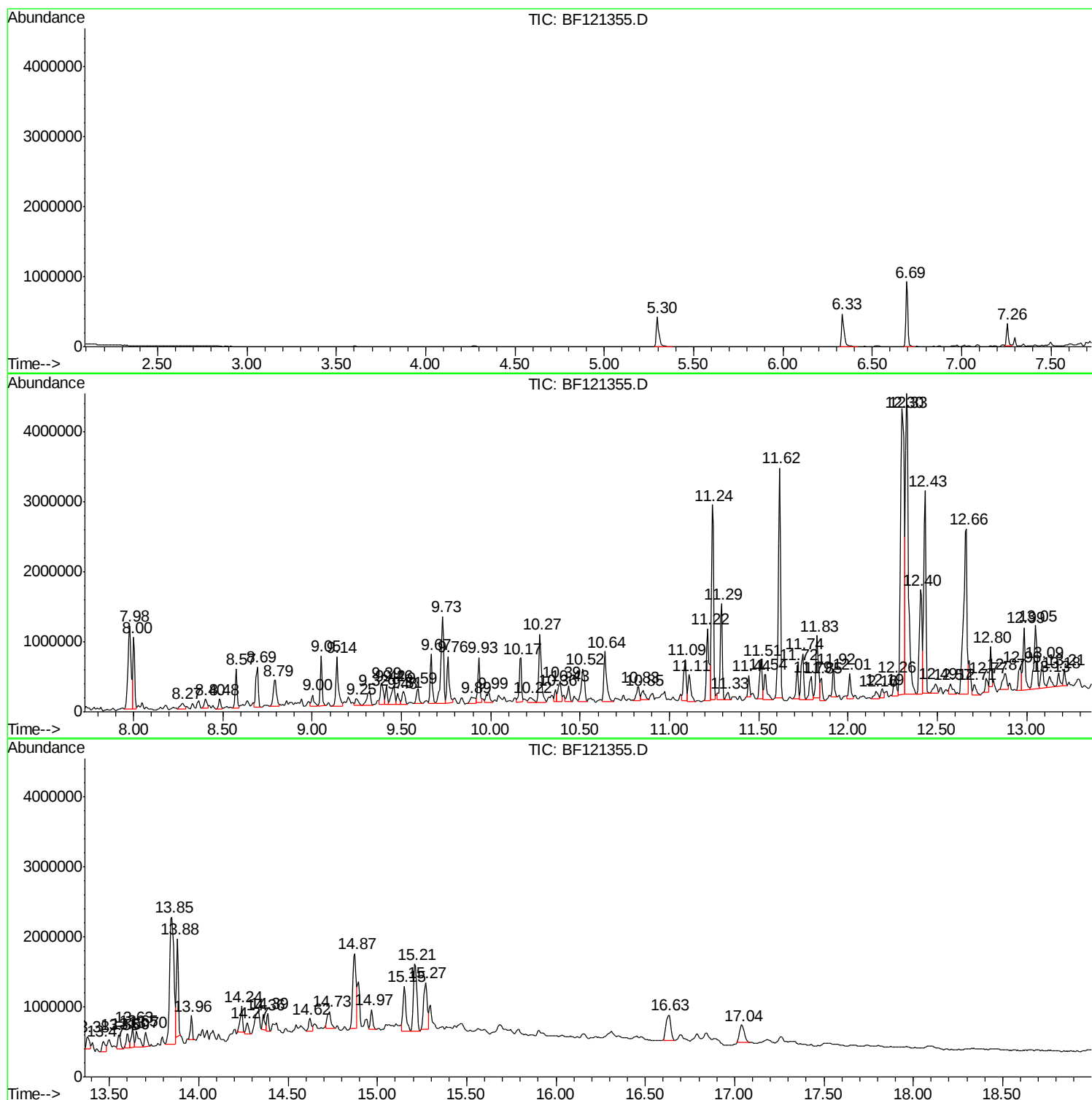
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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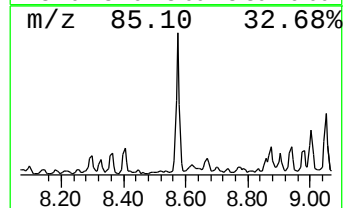
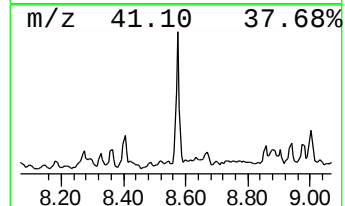
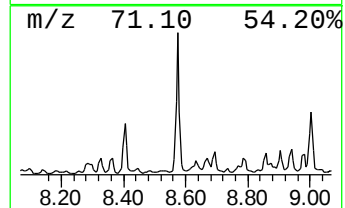
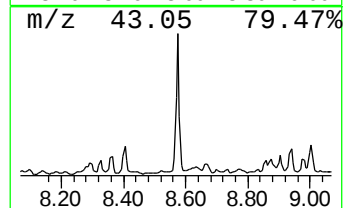
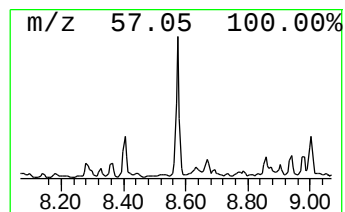
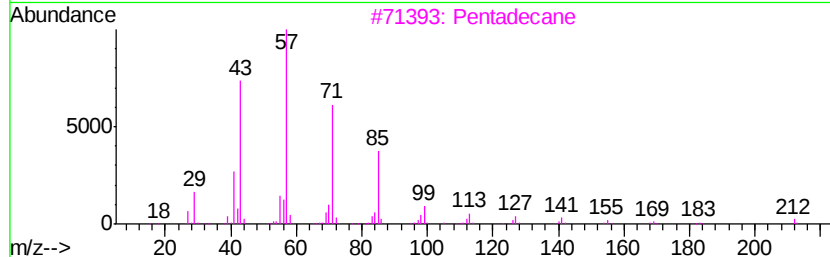
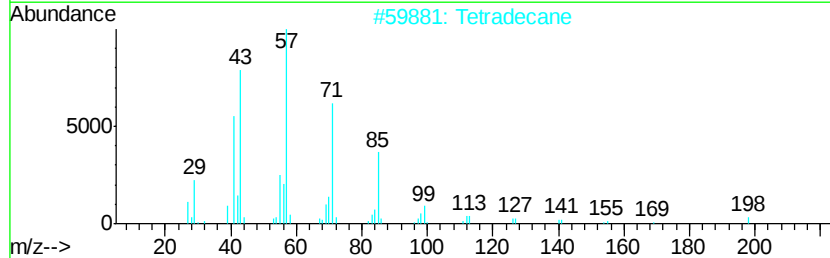
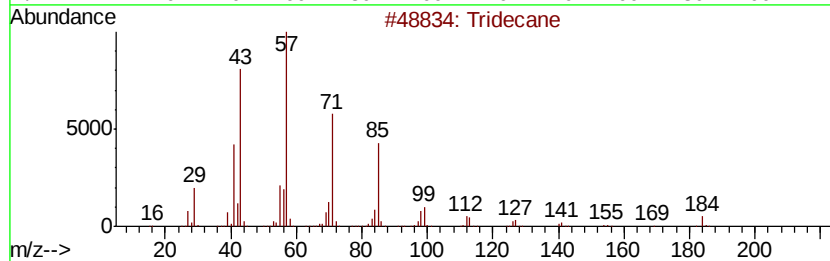
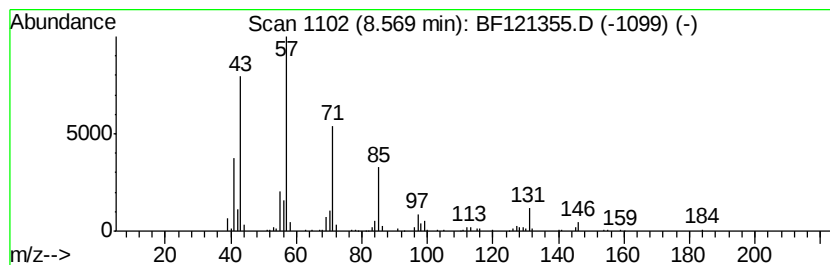
Instrument :
BNA_F
ClientSampleId :
HD-01-081820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Tridecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	6.25 ng	435662	Naphthalene-d8	7.98
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Tridecane	184 C13H28	000629-50-5	93
2	Tetradecane	198 C14H30	000629-59-4	80
3	Pentadecane	212 C15H32	000629-62-9	80
4	Hexadecane	226 C16H34	000544-76-3	80
5	Nonane, 5-butyl-	184 C13H28	017312-63-9	64



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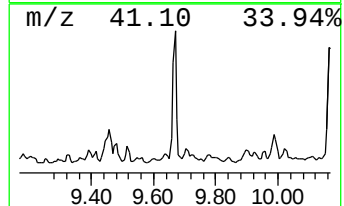
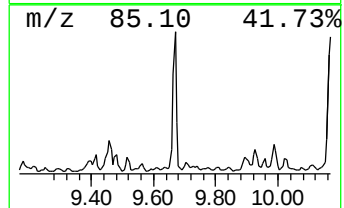
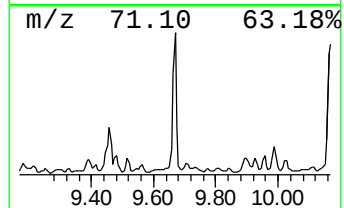
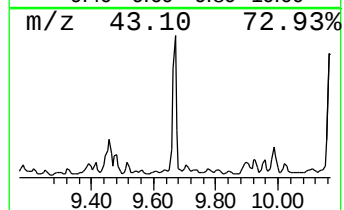
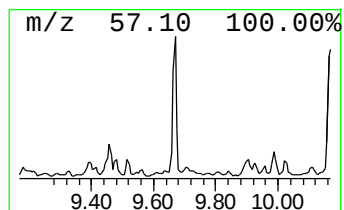
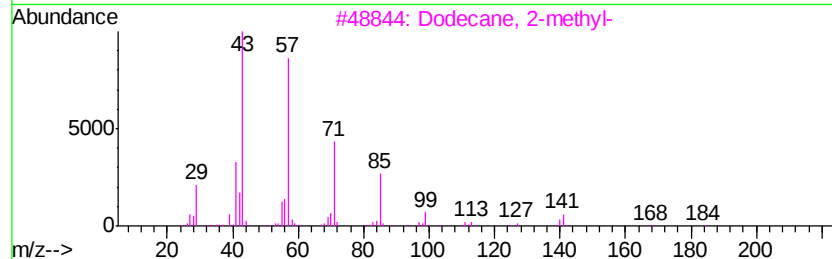
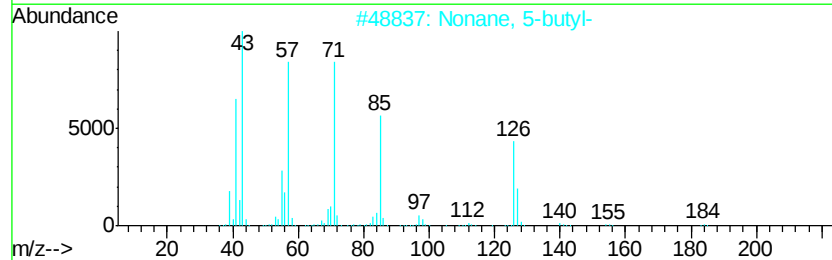
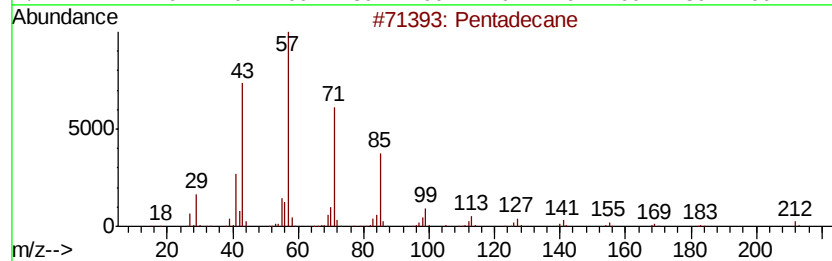
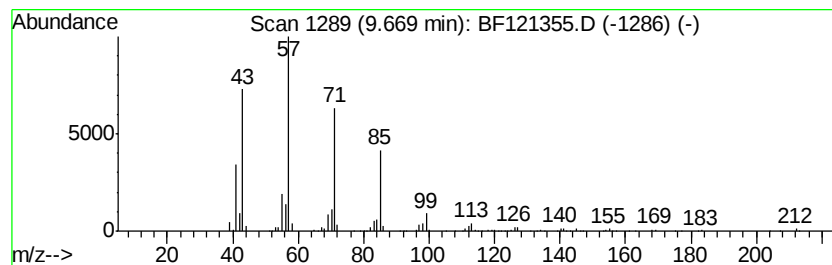
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Pentadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	9.37 ng	563505	Acenaphthene-d10	9.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	91
2		Nonane, 5-butyl-	184	C13H28	017312-63-9	80
3		Dodecane, 2-methyl-	184	C13H28	001560-97-0	80
4		Hexadecane	226	C16H34	000544-76-3	80
5		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78



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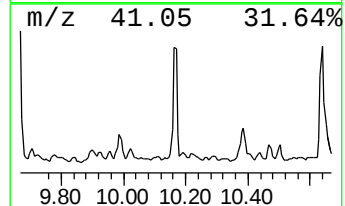
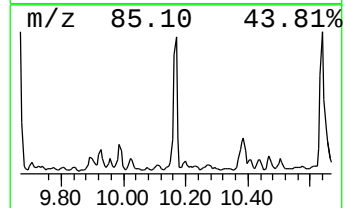
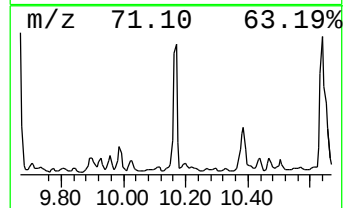
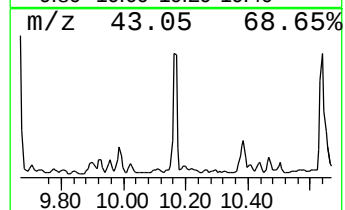
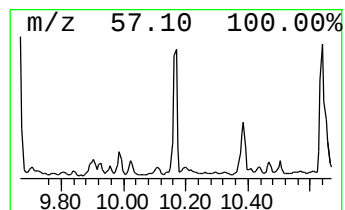
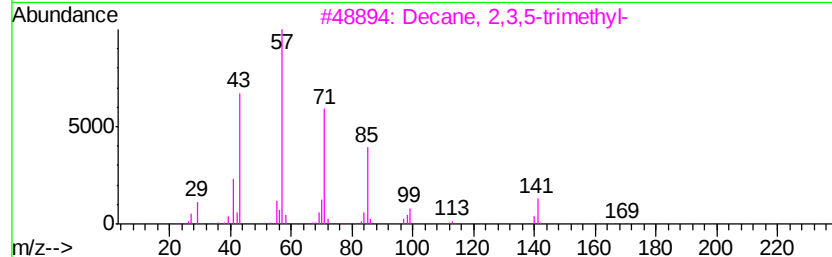
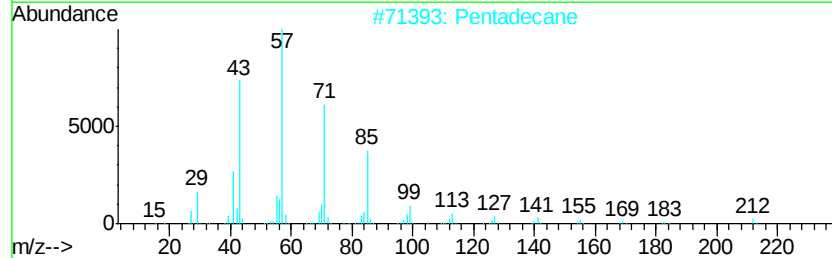
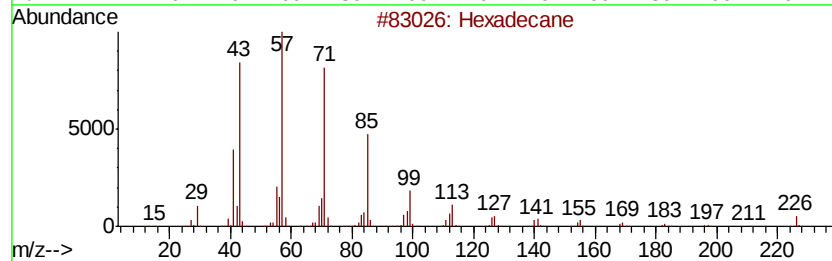
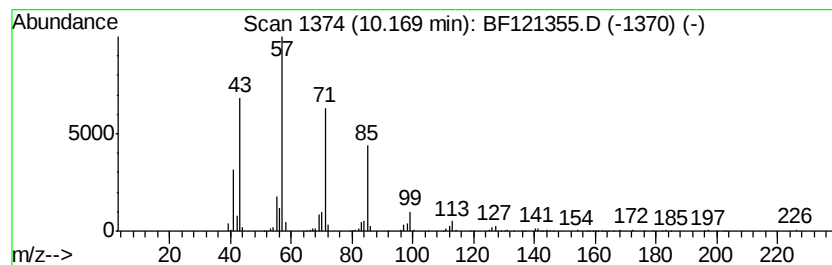
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	10.01 ng	601989	Acenaphthene-d10	9.73
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	94
2	Pentadecane	212 C15H32	000629-62-9	90
3	Decane, 2,3,5-trimethyl-	184 C13H28	062238-11-3	90
4	Heptadecane	240 C17H36	000629-78-7	90
5	Pentadecane, 7-methyl-	226 C16H34	006165-40-8	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121355.D
Acq On : 20 Aug 2020 19:18
Operator : JU/CG
Sample : L3499-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-081820

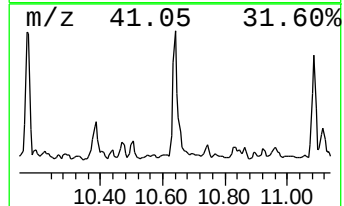
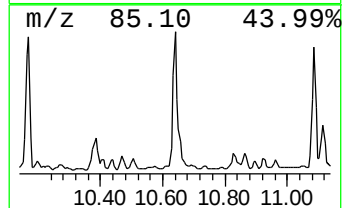
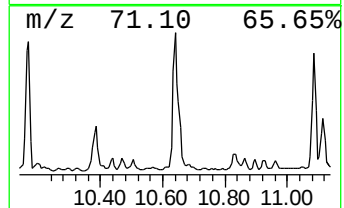
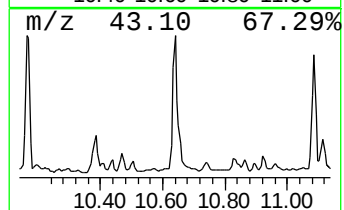
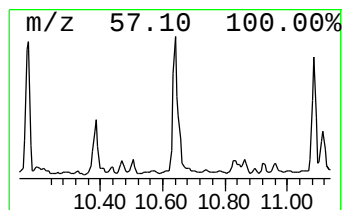
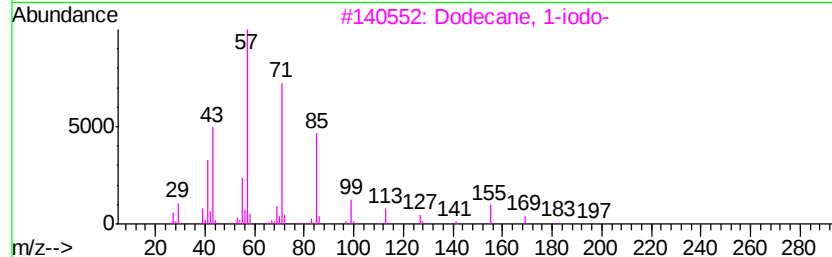
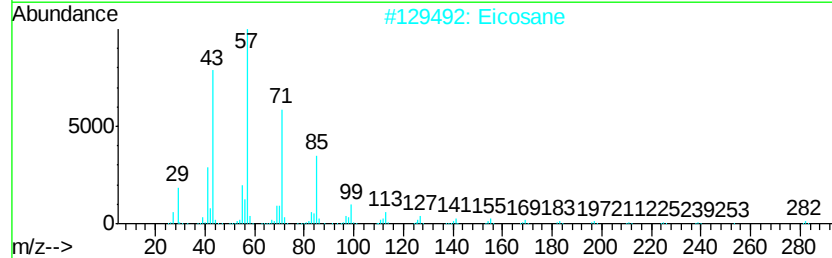
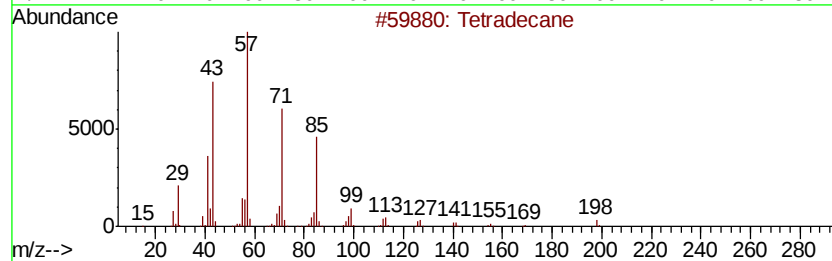
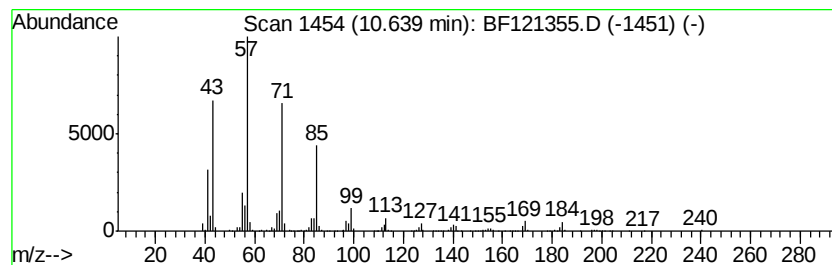
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Tetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	14.54 ng	798066	Phenanthrene-d10	11.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	87
2		Eicosane	282	C20H42	000112-95-8	87
3		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4		Hexadecane	226	C16H34	000544-76-3	86
5		Heneicosane	296	C21H44	000629-94-7	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
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Misc :
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ClientSampleId :
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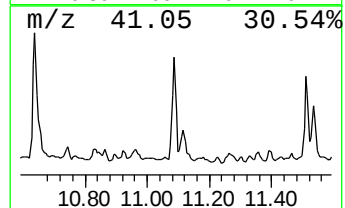
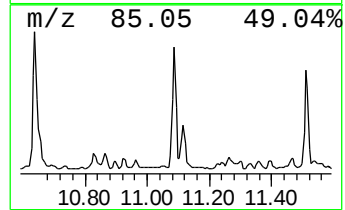
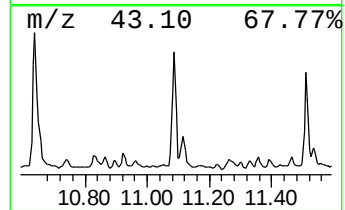
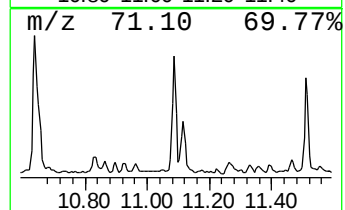
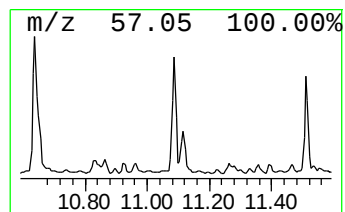
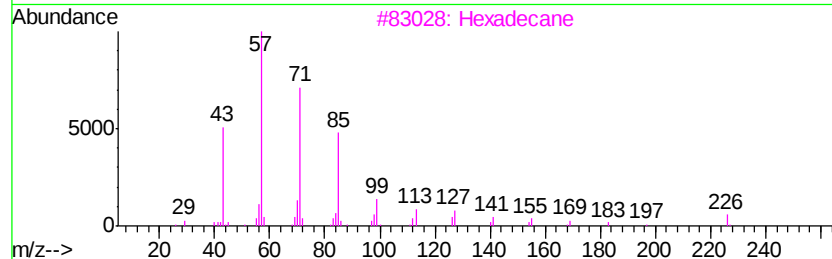
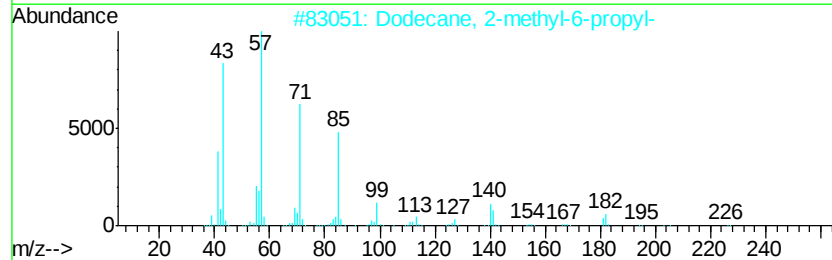
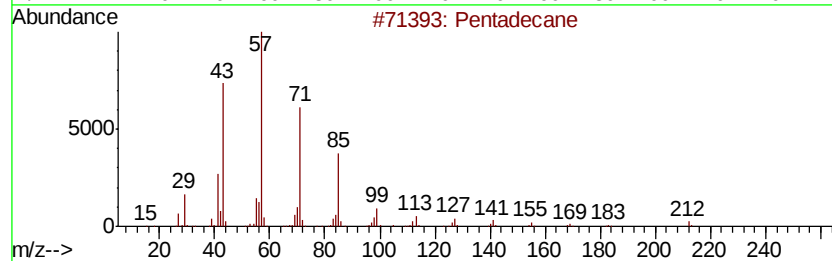
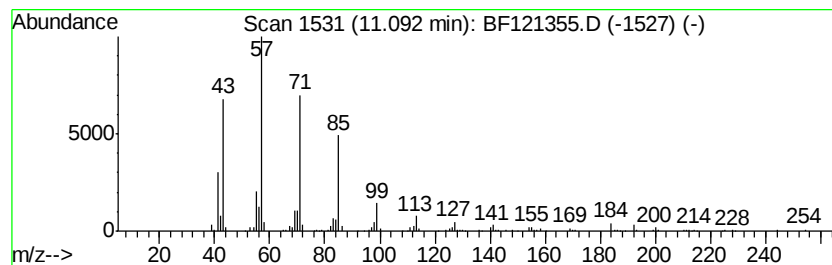
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dodecane, 2-methyl-6-propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	9.41 ng	516695	Phenanthrene-d10	11.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane	212	C15H32	000629-62-9	91
2		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
3		Hexadecane	226	C16H34	000544-76-3	83
4		Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	72
5		1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
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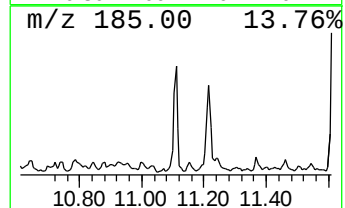
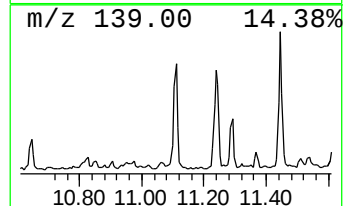
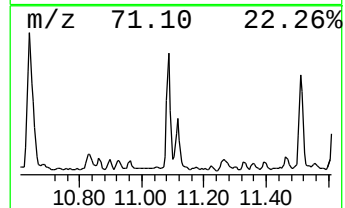
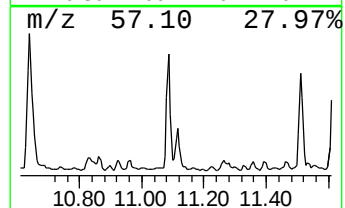
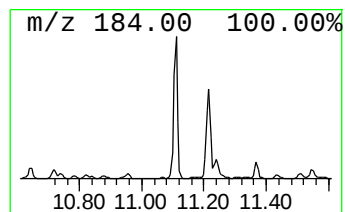
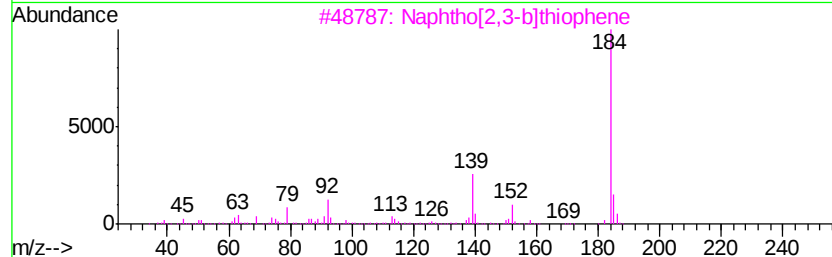
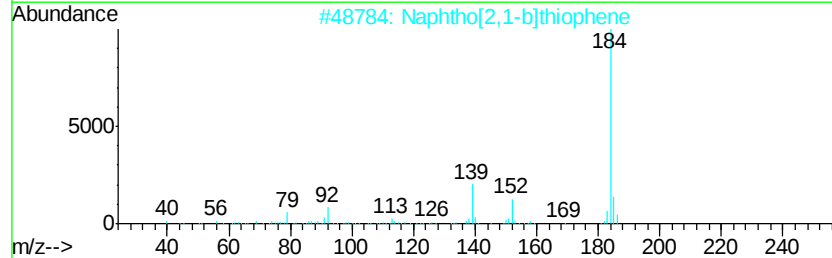
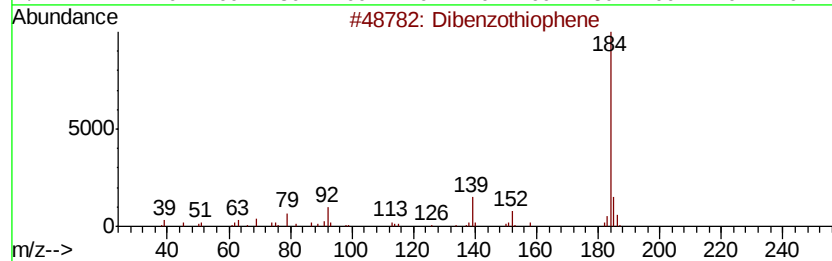
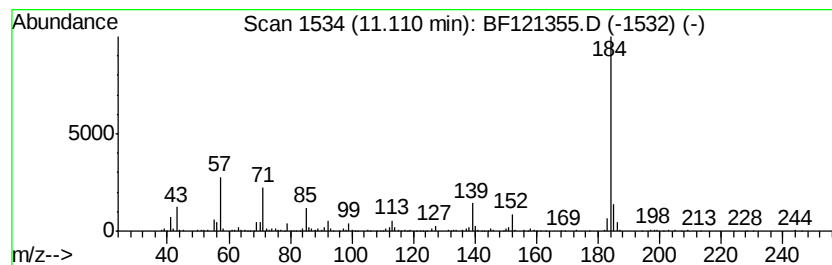
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	7.88 ng	432384	Phenanthrene-d10	11.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	89
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	76
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	76
4		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	76
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121355.D
Acq On : 20 Aug 2020 19:18
Operator : JU/CG
Sample : L3499-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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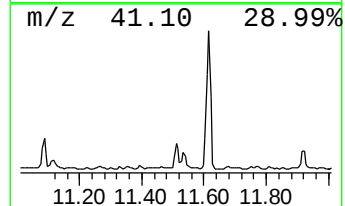
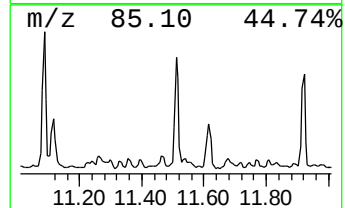
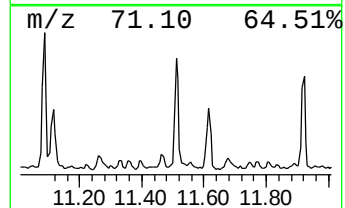
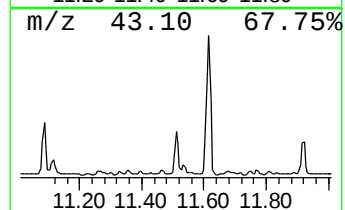
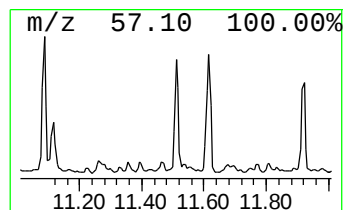
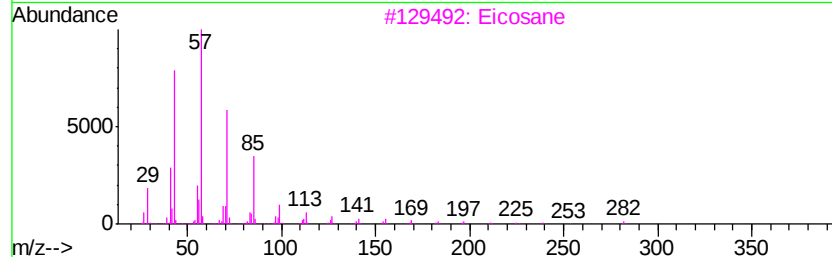
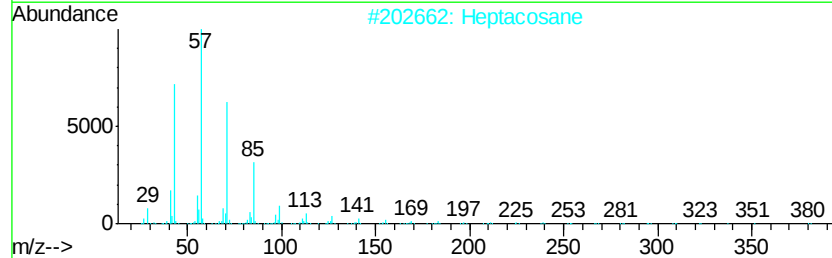
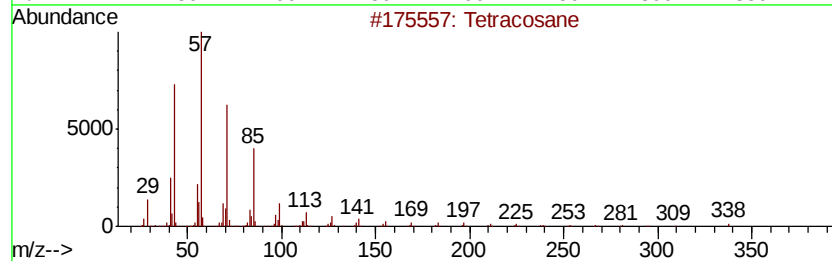
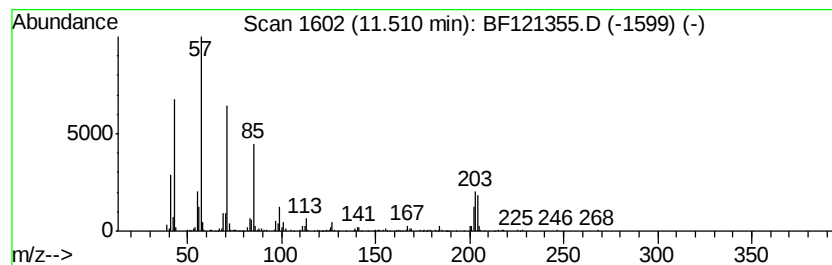
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tetracosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	8.33 ng	457076	Phenanthrene-d10	11.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	62
2			Heptacosane	380	C27H56	000593-49-7	62
3			Eicosane	282	C20H42	000112-95-8	58
4			Heneicosane	296	C21H44	000629-94-7	58
5			Hexadecane	226	C16H34	000544-76-3	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121355.D
Acq On : 20 Aug 2020 19:18
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Misc :
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Instrument :
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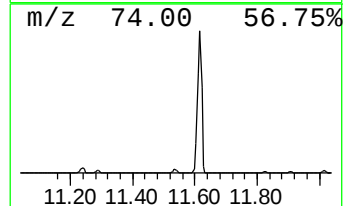
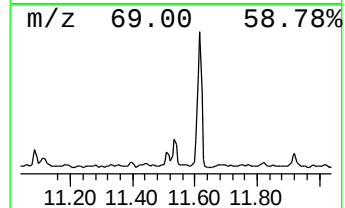
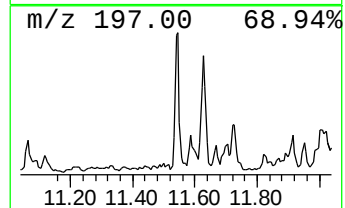
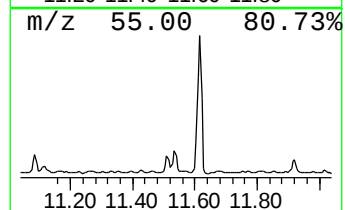
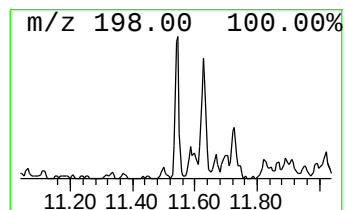
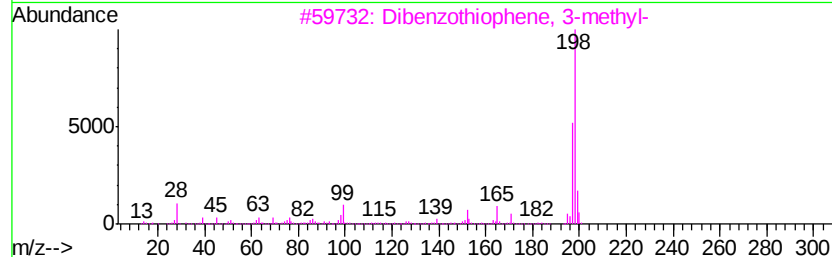
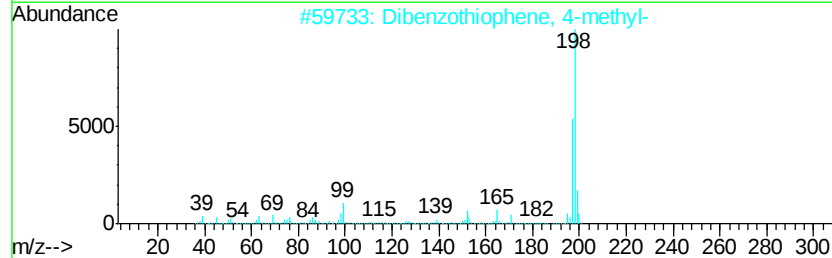
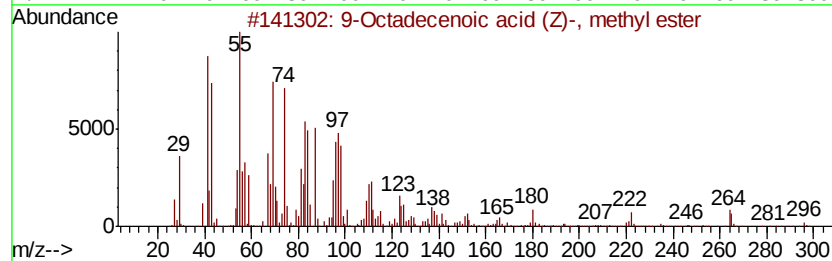
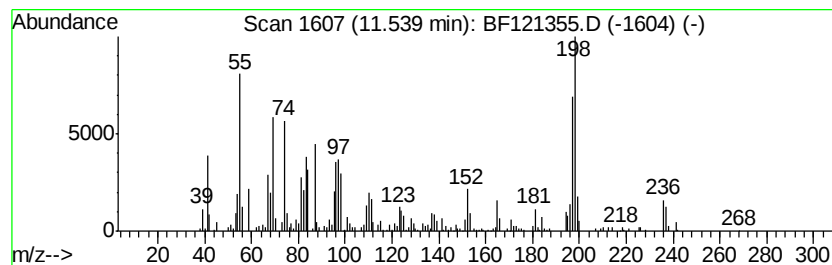
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9-Octadecenoic acid (Z)-, m... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	7.78 ng	427136	Phenanthrene-d10	11.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	62
2		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	49
3		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	45
4		4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	45
5		Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
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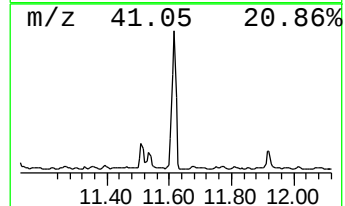
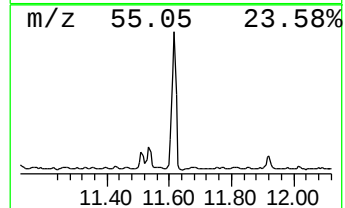
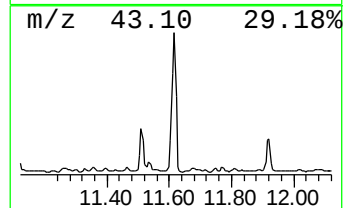
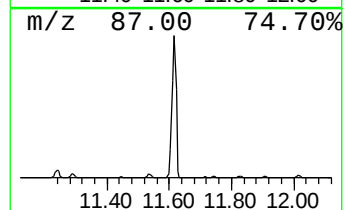
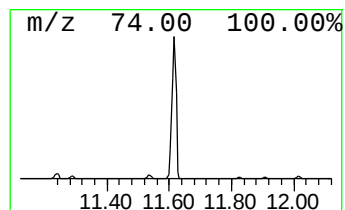
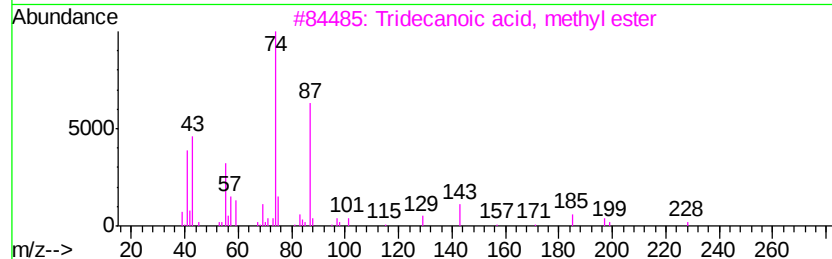
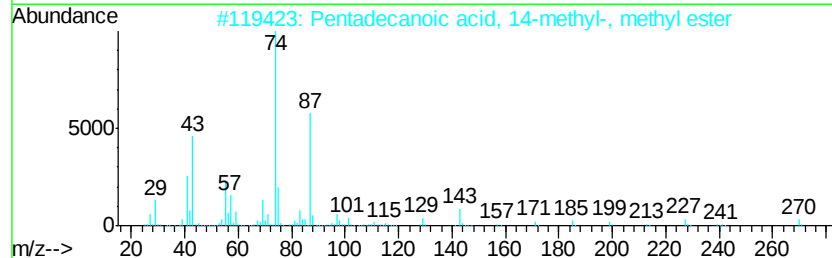
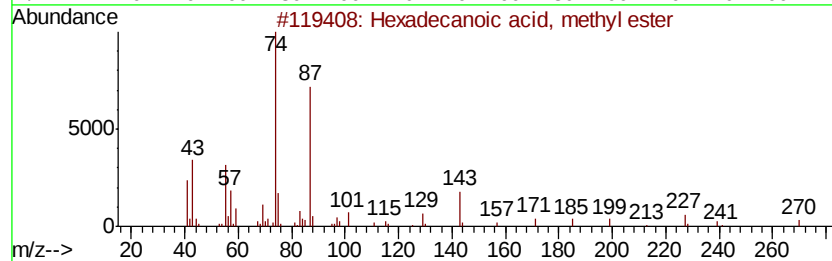
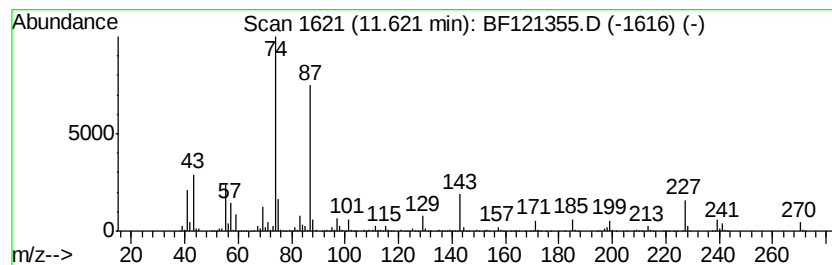
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.62	54.19 ng	2974520	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	89
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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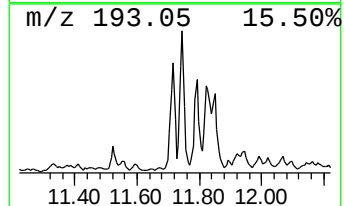
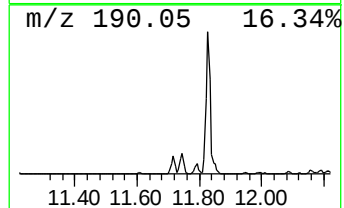
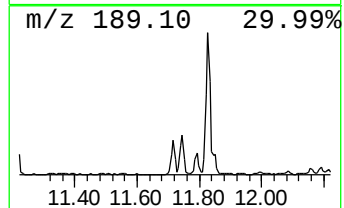
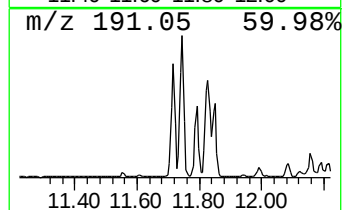
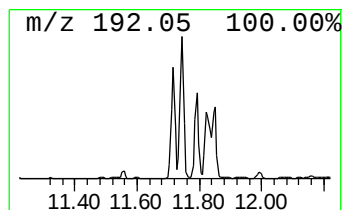
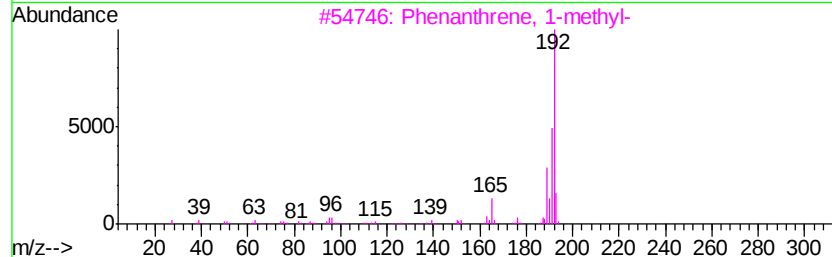
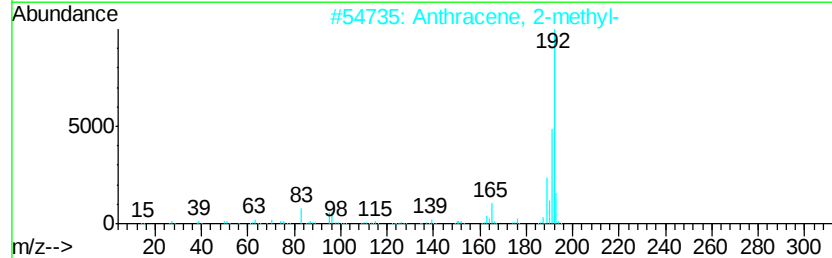
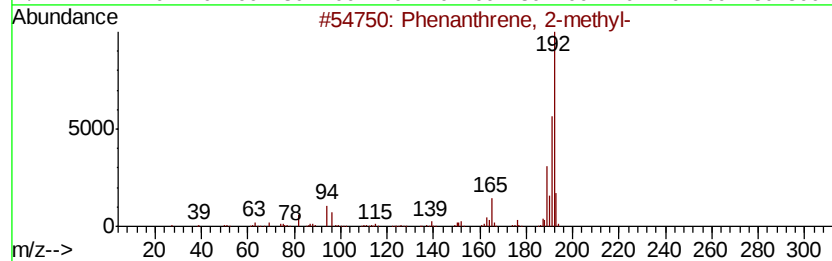
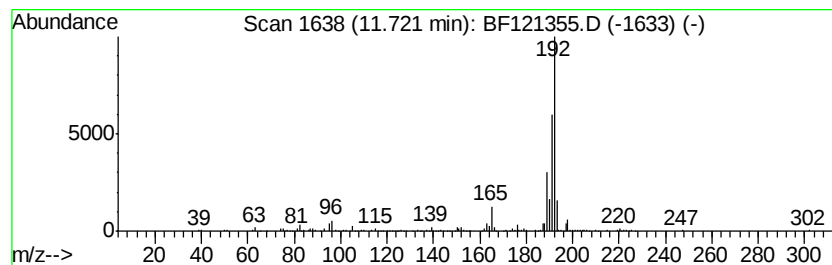
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	7.48 ng	410541	Phenanthrene-d10	11.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121355.D
Acq On : 20 Aug 2020 19:18
Operator : JU/CG
Sample : L3499-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-081820

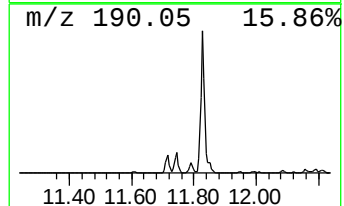
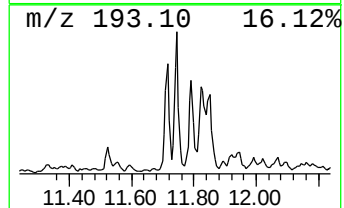
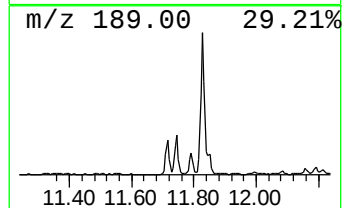
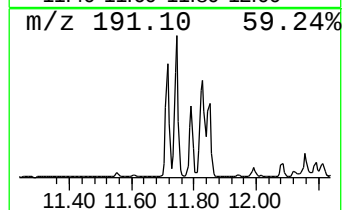
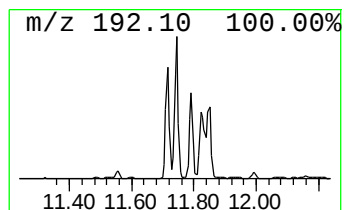
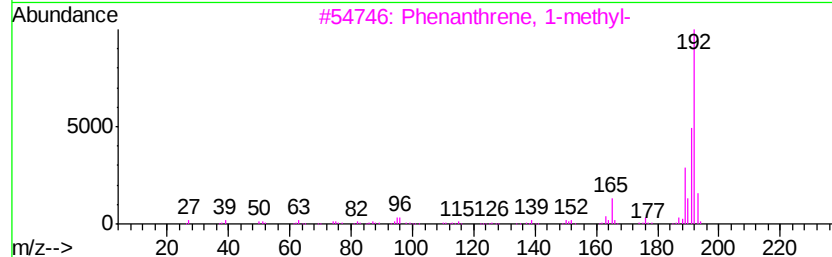
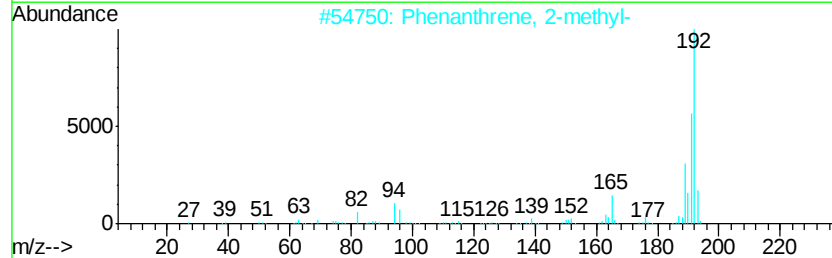
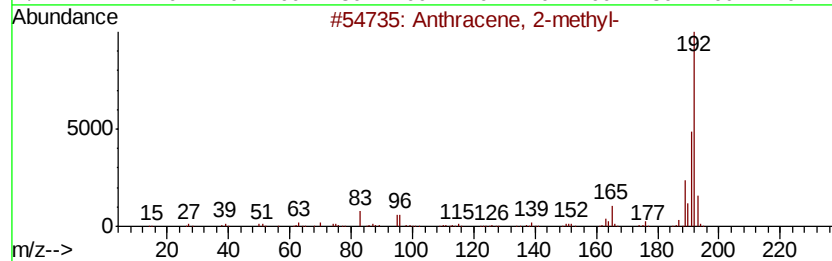
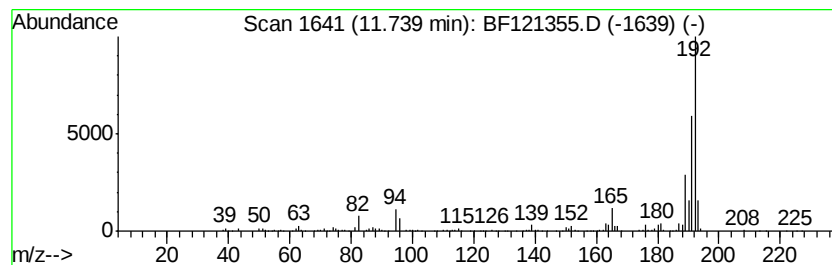
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	9.87 ng	541963	Phenanthrene-d10	11.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
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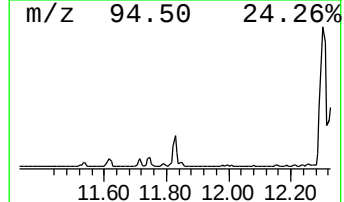
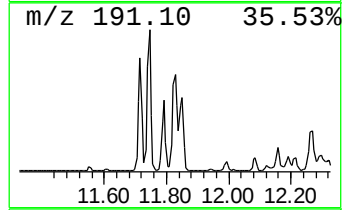
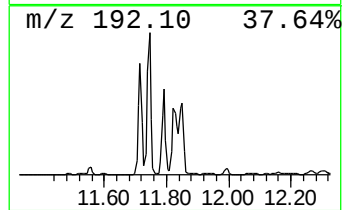
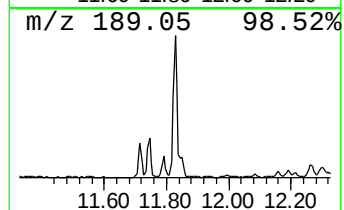
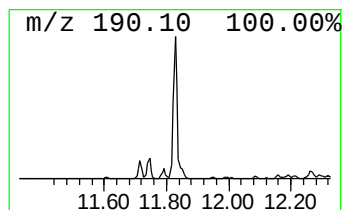
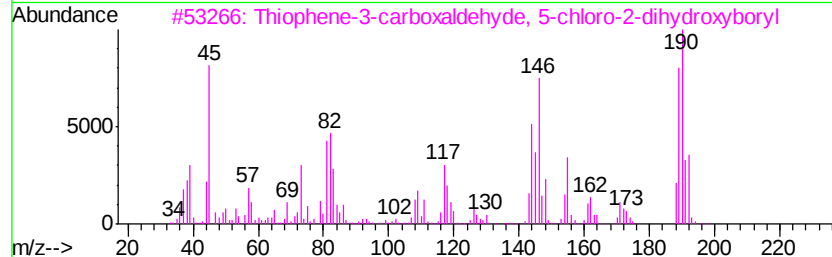
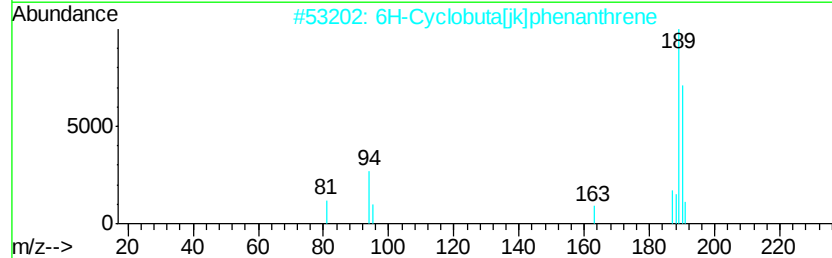
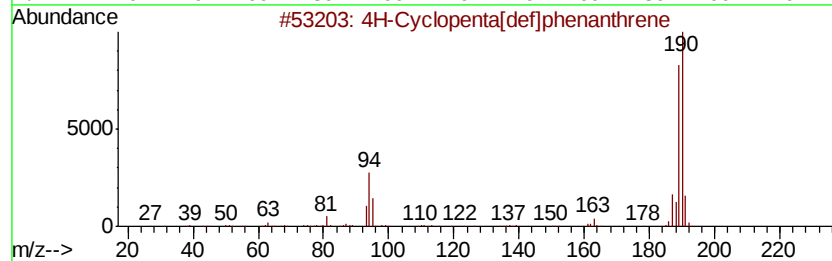
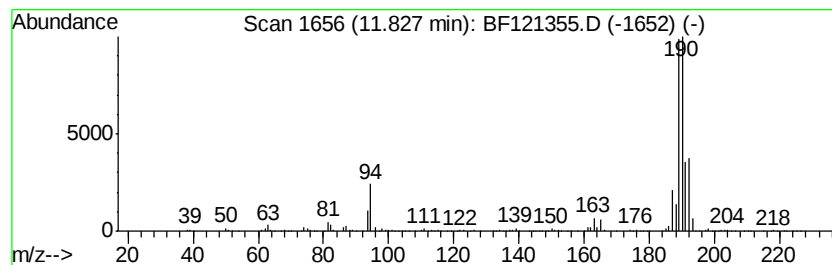
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	15.82 ng	868640	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	56
3	Thiophene-3-carboxaldehyde, 5-chloro-2-dihydroxyboryl	190	C5H4BClO3S	036155-87-0	53
4	2,3,5,6-Tetramethylterephthalaldehyde	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
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Sample : L3499-01 5X
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ALS Vial : 22 Sample Multiplier: 1

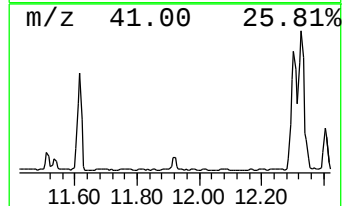
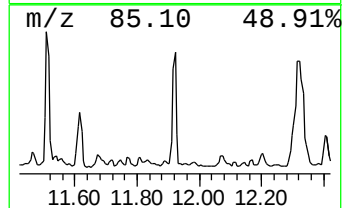
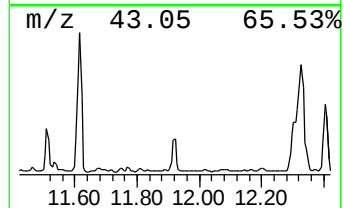
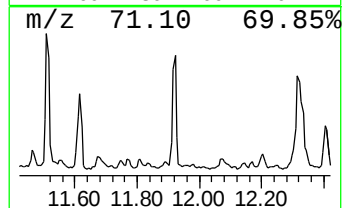
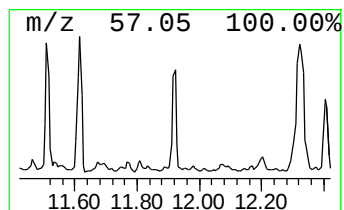
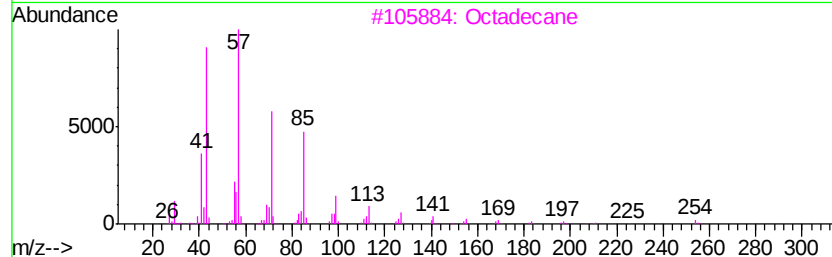
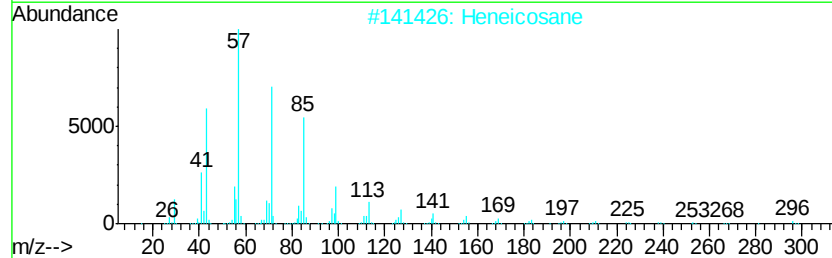
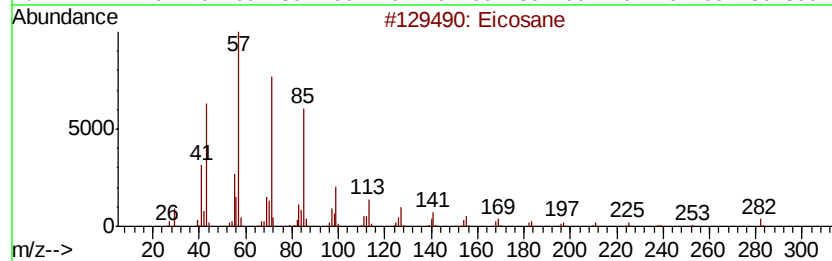
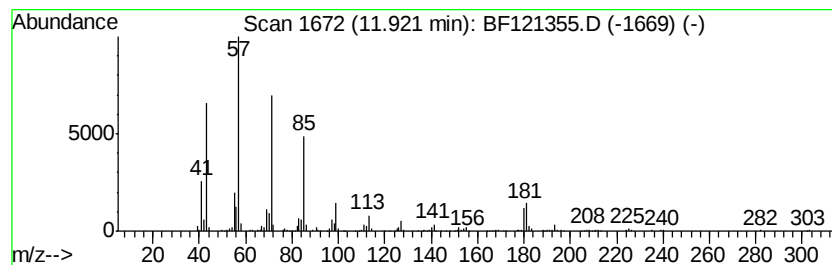
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Eicosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.92	6.18 ng	339254	Phenanthrene-d10		11.22
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Heneicosane	296	C21H44	000629-94-7	83
3	Octadecane	254	C18H38	000593-45-3	83
4	Tetracosane	338	C24H50	000646-31-1	83
5	Heptadecane	240	C17H36	000629-78-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121355.D
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Operator : JU/CG
Sample : L3499-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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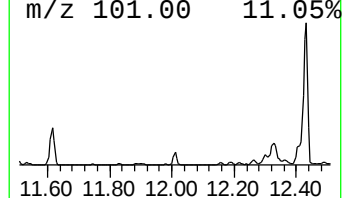
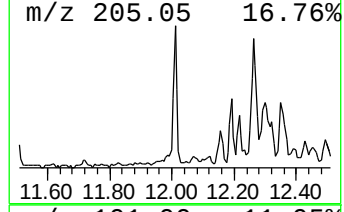
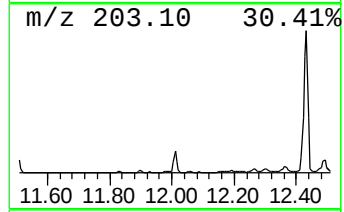
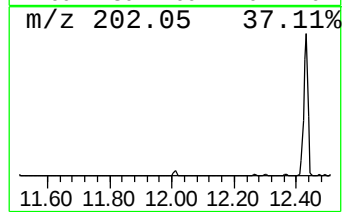
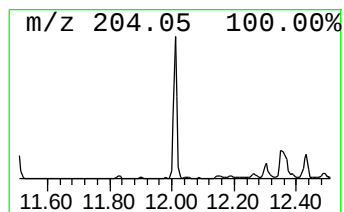
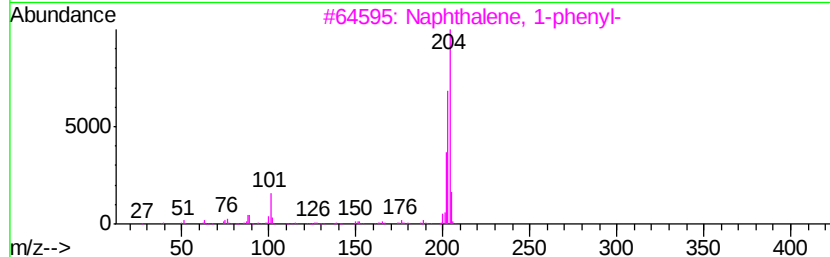
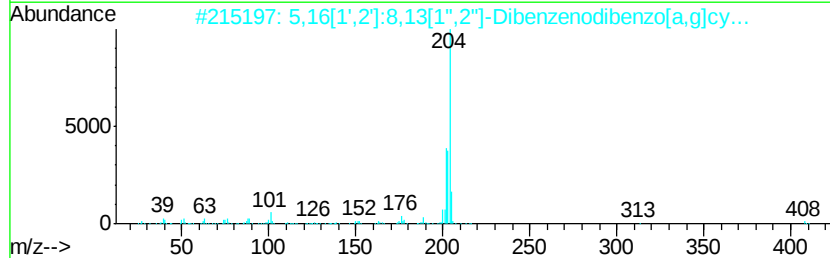
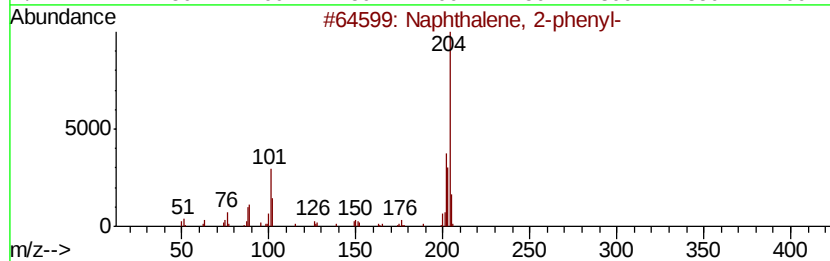
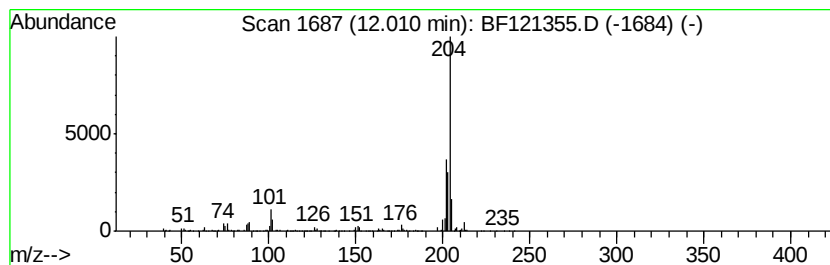
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	5.95 ng	326412	Phenanthrene-d10	11.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
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	70
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
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Sample : L3499-01 5X
Misc :
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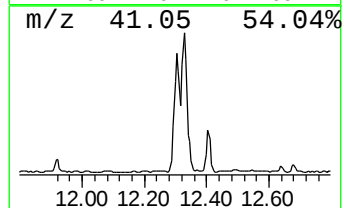
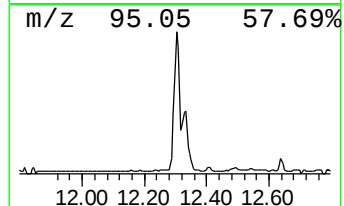
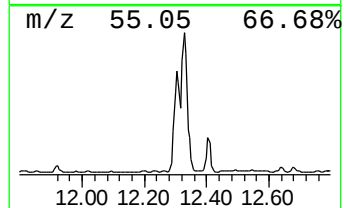
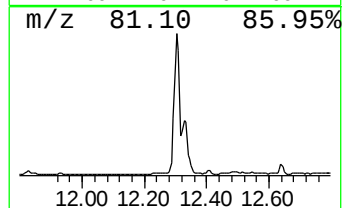
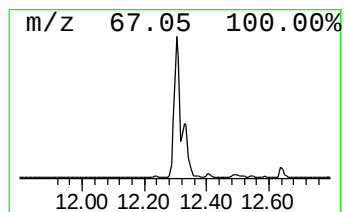
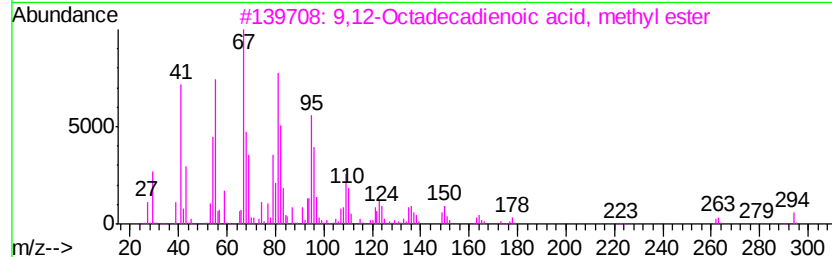
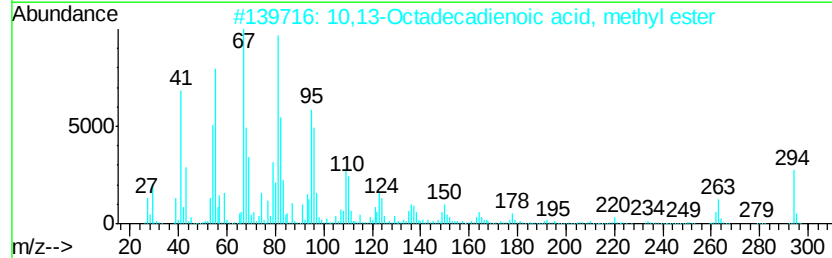
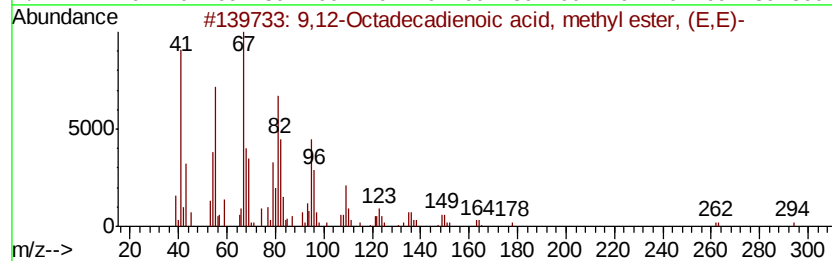
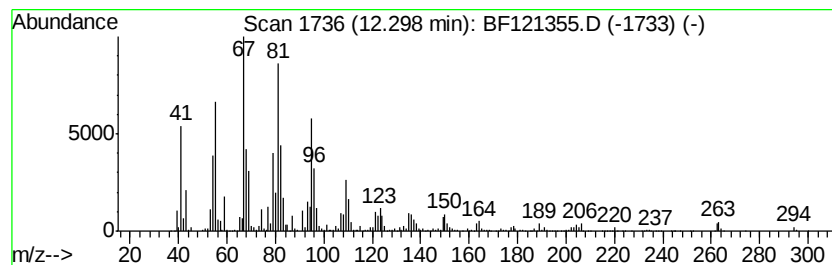
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.30	97.62 ng	5358570	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methv...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,12-Octadecadienoic acid, methv...	294	C19H34O2	002462-85-3	99
4	9,15-Octadecadienoic acid, methv...	294	C19H34O2	017309-05-6	99
5	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	98



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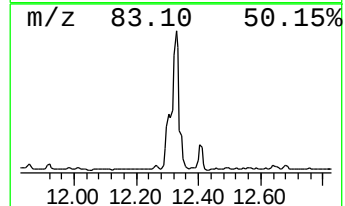
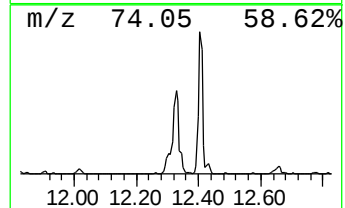
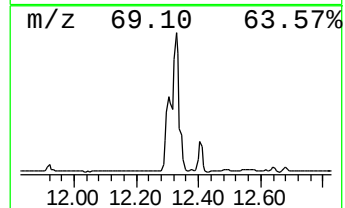
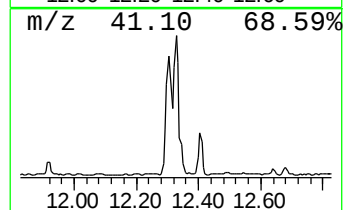
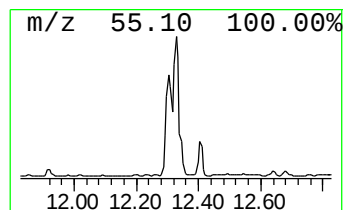
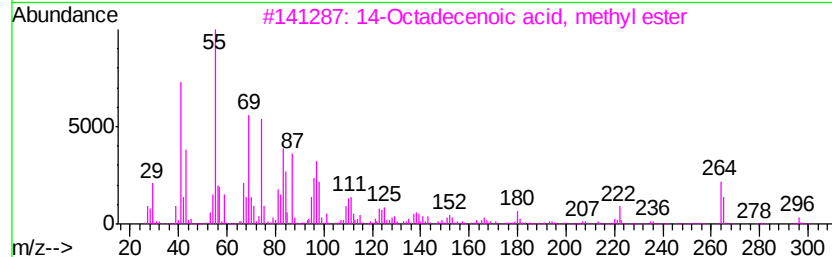
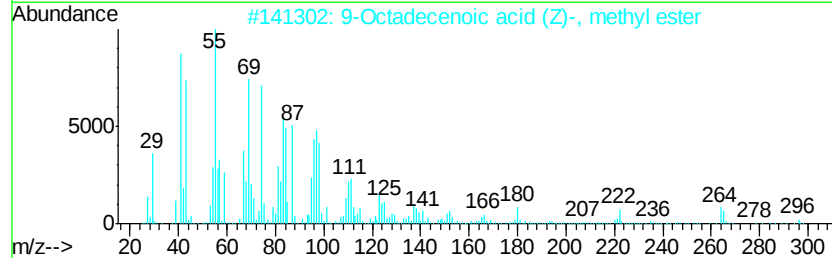
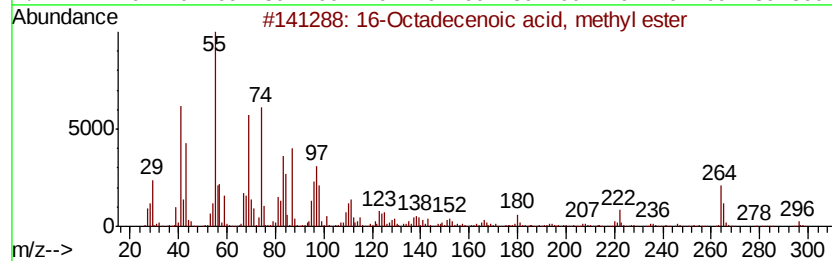
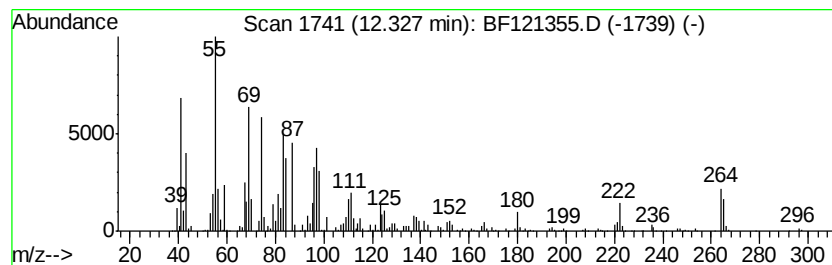
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 16-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	96.95 ng	5321670	Phenanthrene-d10	11.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
2		9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	98
3		14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	94
4		15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	94
5		11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121355.D
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Sample : L3499-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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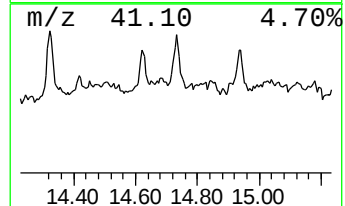
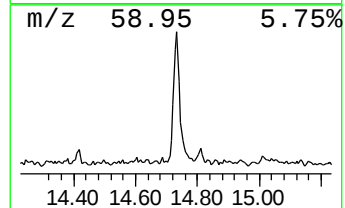
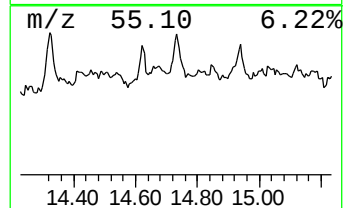
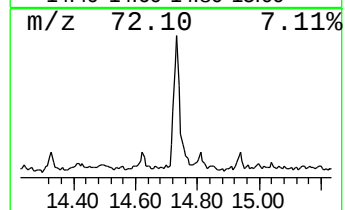
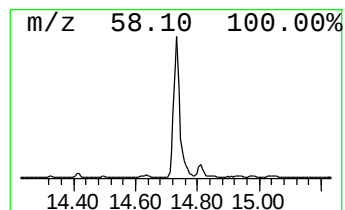
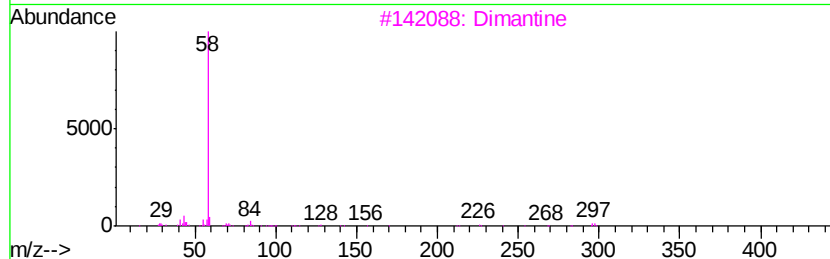
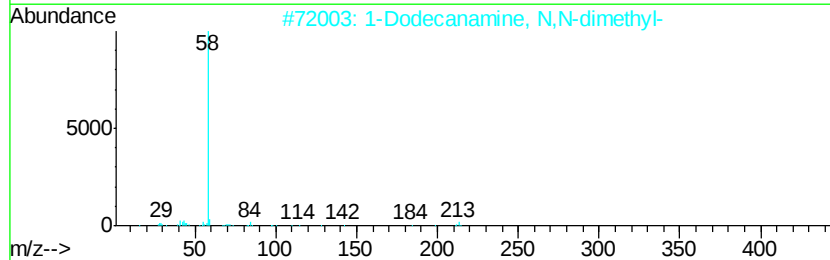
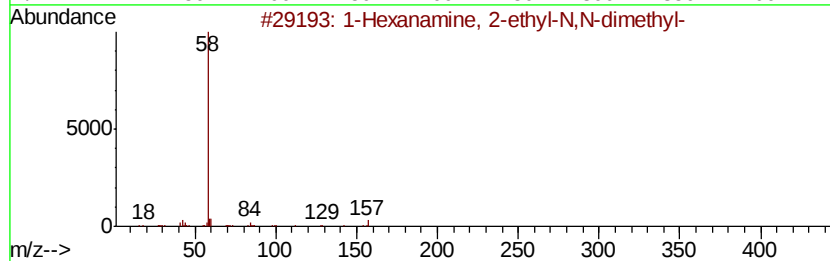
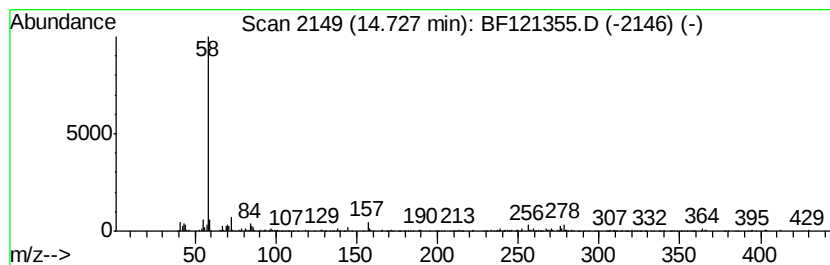
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1-Hexanamine, 2-ethyl-N,N-d... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	8.52 ng	374449	Perylene-d12	15.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexanamine, 2-ethyl-N,N-dimethyl-	157	C10H23N	028056-87-3	72
2			1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	59
3			Dimantine	297	C20H43N	000124-28-7	59
4			3-(Dimethylamino)propyl isothiocy...	144	C6H12N2S	027421-70-1	59
5			N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121355.D
Acq On : 20 Aug 2020 19:18
Operator : JU/CG
Sample : L3499-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-081820

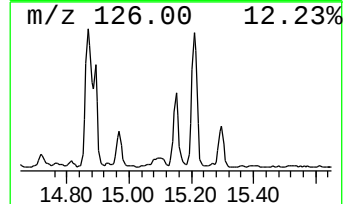
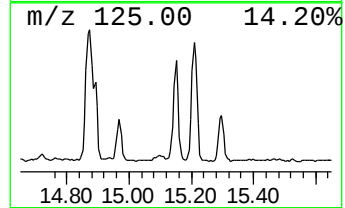
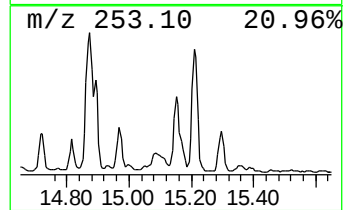
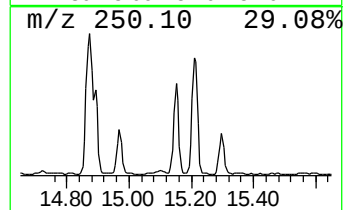
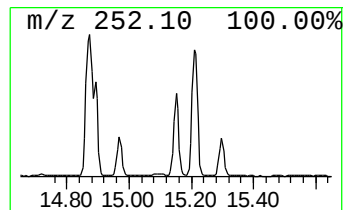
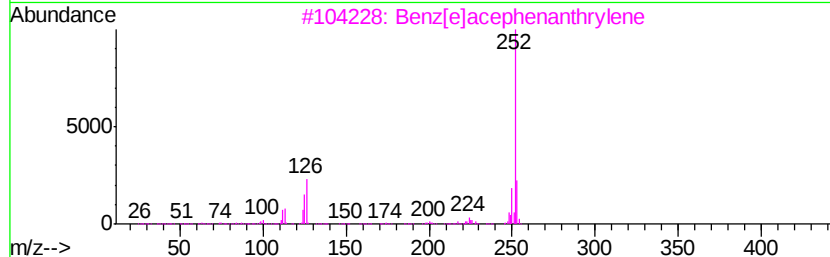
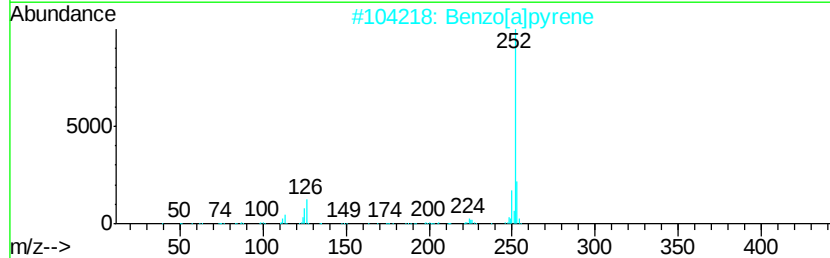
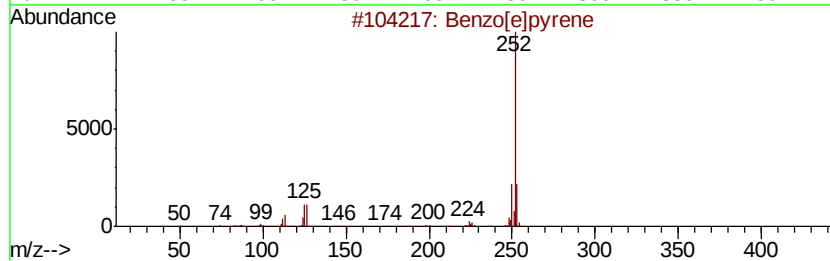
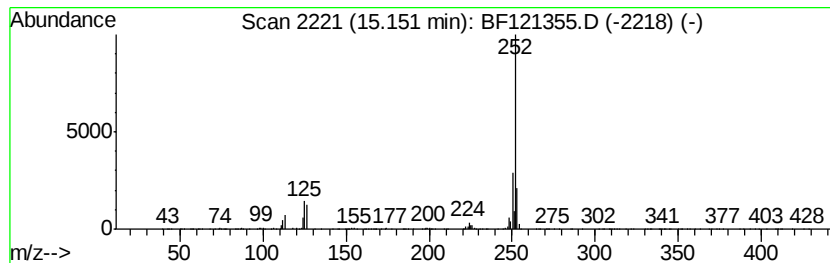
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	18.20 ng	799908	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[a]pyrene	252	C20H12	000050-32-8	98
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082020\
 Data File : BF121355.D
 Acq On : 20 Aug 2020 19:18
 Operator : JU/CG
 Sample : L3499-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-081820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.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
Tridecane	8.57	6.3 ng		435662	2	7.98	1393100	20.0
Pentadecane	9.67	9.4 ng		563505	3	9.73	1203000	20.0
Hexadecane	10.17	10.0 ng		601989	3	9.73	1203000	20.0
Tetradecane	10.64	14.5 ng		798066	4	11.22	1097820	20.0
Dodecane, 2-methy...	11.09	9.4 ng		516695	4	11.22	1097820	20.0
Dibenzothiophene	11.11	7.9 ng		432384	4	11.22	1097820	20.0
Tetracosane	11.51	8.3 ng		457076	4	11.22	1097820	20.0
9-Octadecenoic ac...	11.54	7.8 ng		427136	4	11.22	1097820	20.0
Hexadecanoic acid...	11.62	54.2 ng		2974520	4	11.22	1097820	20.0
Phenanthrene, 2-m...	11.72	7.5 ng		410541	4	11.22	1097820	20.0
Anthracene, 2-met...	11.74	9.9 ng		541963	4	11.22	1097820	20.0
4H-Cyclopenta[def...	11.83	15.8 ng		868640	4	11.22	1097820	20.0
Eicosane	11.92	6.2 ng		339254	4	11.22	1097820	20.0
Naphthalene, 2-ph...	12.01	6.0 ng		326412	4	11.22	1097820	20.0
9,12-Octadecadien...	12.30	97.6 ng		5358570	4	11.22	1097820	20.0
16-Octadecenoic a...	12.33	97.0 ng		5321670	4	11.22	1097820	20.0
11H-Benzo[b]fluorene	13.05	6.4 ng		941806	5	13.86	2929900	20.0
1-Hexanamine, 2-e...	14.73	8.5 ng		374449	6	15.27	879113	20.0
Benzo[e]pyrene	15.15	18.2 ng		799908	6	15.27	879113	20.0