

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119625.D
 Acq On : 28 Mar 2020 19:04
 Operator : CG/JU
 Sample : L2040-07
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-11986

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-BF031820.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	5.039	497	502	512	rVB	1083244	1476797	21.14%	1.147%
2	5.445	566	571	575	rBV	6429581	6986677	100.00%	5.426%
3	6.463	738	744	756	rVB	5969378	6961159	99.63%	5.406%
4	6.833	803	807	815	rVB	2224543	1743950	24.96%	1.354%
5	6.992	830	834	837	rBV	6516836	5370839	76.87%	4.171%
6	7.398	893	903	906	rBV	4900391	4531441	64.86%	3.519%
7	8.116	1020	1025	1028	rBV	2412617	2550072	36.50%	1.980%
8	8.716	1122	1127	1130	rBV	838873	721778	10.33%	0.561%
9	8.833	1145	1147	1152	rVB	519801	389961	5.58%	0.303%
10	8.933	1159	1164	1170	rBV	758037	714474	10.23%	0.555%
11	9.198	1204	1209	1212	rBV	7602914	6686469	95.70%	5.193%
12	9.280	1219	1223	1228	rBV2	1117890	1261111	18.05%	0.979%
13	9.457	1248	1253	1258	rVB2	497360	789683	11.30%	0.613%
14	9.533	1260	1266	1269	rVV2	857623	979886	14.03%	0.761%
15	9.563	1269	1271	1273	rVV	611451	489738	7.01%	0.380%
16	9.592	1273	1276	1280	rVV2	748049	946583	13.55%	0.735%
17	9.657	1284	1287	1291	rVB2	353252	463400	6.63%	0.360%
18	9.733	1298	1300	1306	rVB	368224	361197	5.17%	0.280%
19	9.810	1311	1313	1318	rVB	1247313	988150	14.14%	0.767%
20	9.857	1318	1321	1322	rBV2	370238	336190	4.81%	0.261%
21	9.880	1322	1325	1327	rVV	2115908	1888253	27.03%	1.466%
22	9.910	1327	1330	1333	rVB	2585974	2039190	29.19%	1.584%
23	9.980	1340	1342	1346	rVB2	185997	211851	3.03%	0.165%
24	10.039	1348	1352	1356	rBV4	250568	419276	6.00%	0.326%
25	10.080	1356	1359	1362	rBV	1935654	1560633	22.34%	1.212%
26	10.198	1376	1379	1381	rBV2	294919	282048	4.04%	0.219%
27	10.310	1391	1398	1401	rBV	1137995	1254623	17.96%	0.974%
28	10.380	1406	1410	1413	rVB3	166684	219323	3.14%	0.170%
29	10.427	1414	1418	1423	rBV	2610269	2336860	33.45%	1.815%
30	10.510	1430	1432	1434	rVV	374013	393523	5.63%	0.306%
31	10.533	1434	1436	1439	rVV2	507120	527124	7.54%	0.409%
32	10.580	1442	1444	1448	rVV	617259	580154	8.30%	0.451%
33	10.669	1453	1459	1463	rVV	3923565	4108545	58.81%	3.191%
34	10.716	1463	1467	1471	rVB3	149697	236510	3.39%	0.184%

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.786	1476	1479	1487	rBV	1436723	1555581	22.26%	1.208%
36	10.974	1507	1511	1514	rBV2	455129	495576	7.09%	0.385%
37	10.998	1514	1515	1519	rVV3	198272	235635	3.37%	0.183%
38	11.057	1521	1525	1529	rVV5	146284	235764	3.37%	0.183%
39	11.104	1530	1533	1535	rVV2	229704	286445	4.10%	0.222%
40	11.127	1535	1537	1539	rVV	279728	229465	3.28%	0.178%
41	11.168	1541	1544	1549	rVV	2599188	2257287	32.31%	1.753%
42	11.216	1549	1552	1553	rVV	251494	254863	3.65%	0.198%
43	11.233	1553	1555	1558	rVV	1015521	932059	13.34%	0.724%
44	11.263	1558	1560	1566	rVB	885008	833831	11.93%	0.648%
45	11.368	1574	1578	1579	rBV	1703072	1562075	22.36%	1.213%
46	11.392	1579	1582	1585	rVV	6211758	5832537	83.48%	4.529%
47	11.439	1585	1590	1593	rVV	1687378	1660213	23.76%	1.289%
48	11.592	1611	1616	1618	rVV2	401970	442385	6.33%	0.344%
49	11.616	1618	1620	1625	rVV	214246	267533	3.83%	0.208%
50	11.663	1625	1628	1631	rVV	1044777	824707	11.80%	0.640%
51	11.868	1660	1663	1665	rVV	724215	601948	8.62%	0.467%
52	11.892	1665	1667	1671	rVV	1331981	1234916	17.68%	0.959%
53	11.945	1673	1676	1678	rVV	343851	347781	4.98%	0.270%
54	11.980	1678	1682	1684	rVV	1197308	1222559	17.50%	0.949%
55	11.998	1684	1685	1690	rVB	400994	359806	5.15%	0.279%
56	12.068	1695	1697	1700	rVB	632286	508708	7.28%	0.395%
57	12.163	1711	1713	1715	rBV	432798	331799	4.75%	0.258%
58	12.186	1715	1717	1720	rVB	289561	241417	3.46%	0.187%
59	12.415	1753	1756	1759	rBV	330237	315934	4.52%	0.245%
60	12.457	1759	1763	1768	rVB2	635739	821762	11.76%	0.638%
61	12.504	1768	1771	1776	rVB2	392573	416424	5.96%	0.323%
62	12.580	1780	1784	1788	rBV	4740289	4721969	67.59%	3.667%
63	12.680	1797	1801	1803	rBV2	302225	309650	4.43%	0.240%
64	12.733	1807	1810	1815	rVV2	183489	238656	3.42%	0.185%
65	12.810	1817	1823	1826	rVV2	4606795	5462290	78.18%	4.242%
66	12.857	1829	1831	1837	rVB2	259979	307627	4.40%	0.239%
67	12.927	1839	1843	1844	rBV	347539	312635	4.47%	0.243%
68	12.957	1844	1848	1851	rVV	5172013	5088277	72.83%	3.951%
69	13.027	1855	1860	1863	rBV2	410007	640556	9.17%	0.497%
70	13.115	1872	1875	1876	rBV2	298675	331782	4.75%	0.258%
71	13.139	1876	1879	1882	rVB	846278	789767	11.30%	0.613%

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72	13.204	1882	1890	1892	rBV2	731887	908352	13.00%	0.705%
73	13.239	1892	1896	1899	rVV2	608278	613362	8.78%	0.476%
74	13.333	1909	1912	1914	rVB	303880	230996	3.31%	0.179%
75	13.362	1914	1917	1921	rBV2	307704	274028	3.92%	0.213%
76	13.533	1940	1946	1949	rBV4	252050	342829	4.91%	0.266%
77	13.639	1962	1964	1969	rVB	308491	348302	4.99%	0.270%
78	13.757	1979	1984	1987	rBV2	347805	524253	7.50%	0.407%
79	13.786	1987	1989	1991	rVV	352150	320420	4.59%	0.249%
80	13.804	1991	1992	1996	rVV2	324139	392727	5.62%	0.305%
81	13.862	1997	2002	2011	rVB3	467053	876572	12.55%	0.681%
82	14.004	2021	2026	2029	rBV2	2573607	3792919	54.29%	2.945%
83	14.033	2029	2031	2037	rVB	2088402	1854756	26.55%	1.440%
84	14.115	2042	2045	2048	rVV	248688	250913	3.59%	0.195%
85	14.174	2052	2055	2061	rVV2	508526	624384	8.94%	0.485%
86	14.392	2088	2092	2095	rVV	429200	502750	7.20%	0.390%
87	14.427	2095	2098	2102	rVV2	313406	309905	4.44%	0.241%
88	14.480	2104	2107	2111	rVV2	981842	1043406	14.93%	0.810%
89	14.515	2111	2113	2115	rVV	261511	263540	3.77%	0.205%
90	14.792	2156	2160	2163	rBV	1153921	1226984	17.56%	0.953%
91	15.045	2198	2203	2206	rBV2	1242618	1861552	26.64%	1.446%
92	15.127	2213	2217	2224	rBV2	1226996	1599890	22.90%	1.242%
93	15.345	2250	2254	2260	rVB	617484	789557	11.30%	0.613%
94	15.409	2260	2265	2271	rBV	769452	923216	13.21%	0.717%
95	15.474	2271	2276	2279	rBV	1069513	1404789	20.11%	1.091%
96	15.509	2279	2282	2288	rVB2	1118265	1565426	22.41%	1.216%
97	15.951	2352	2357	2363	rBV	744882	1086704	15.55%	0.844%
98	16.462	2438	2444	2454	rVB	334430	685113	9.81%	0.532%
99	16.927	2518	2523	2531	rVB2	251154	538642	7.71%	0.418%
100	17.368	2593	2598	2604	rVB2	159549	294856	4.22%	0.229%

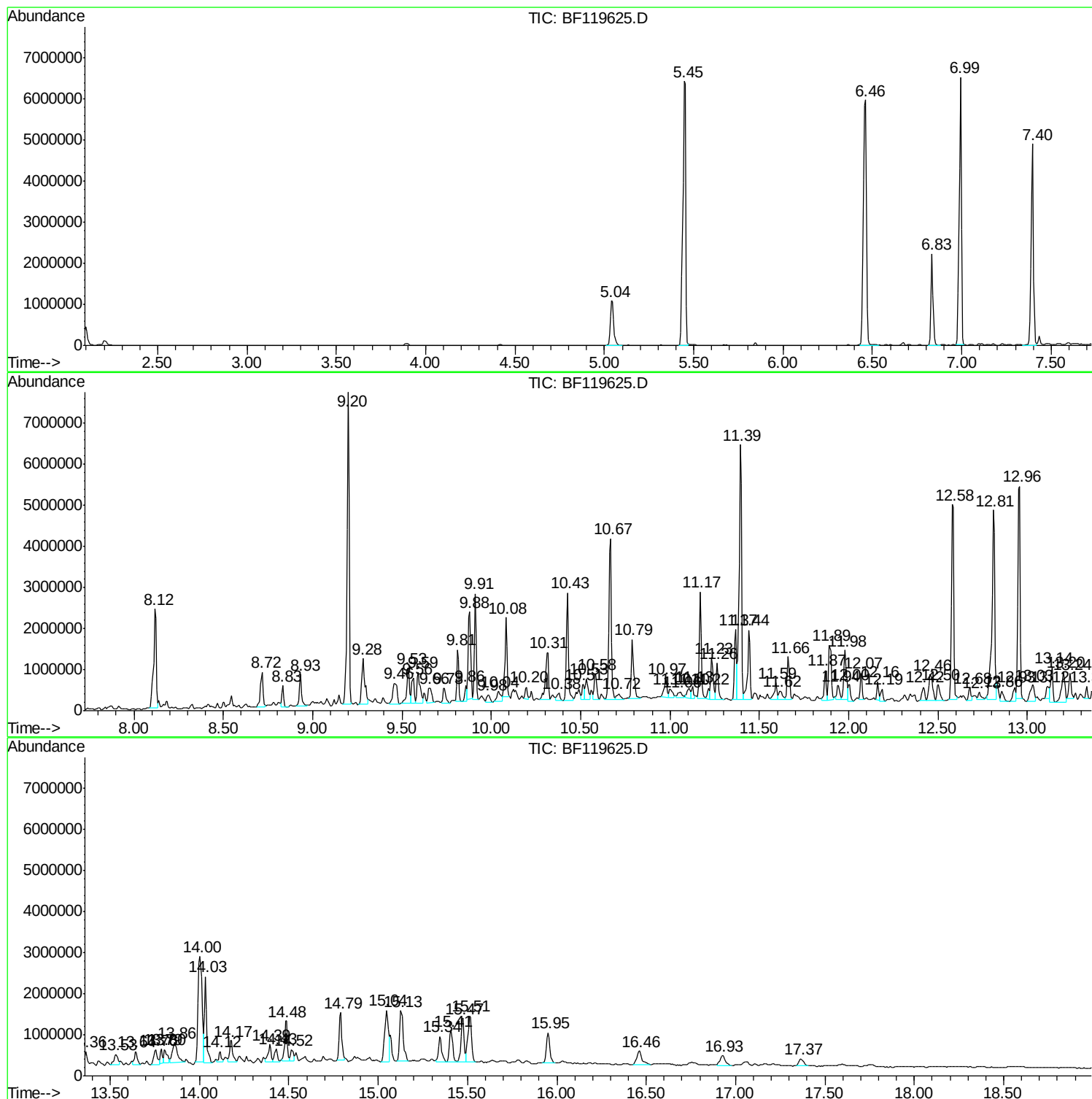
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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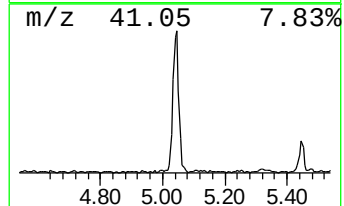
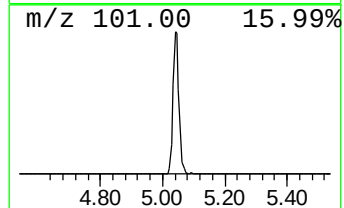
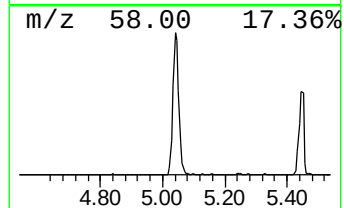
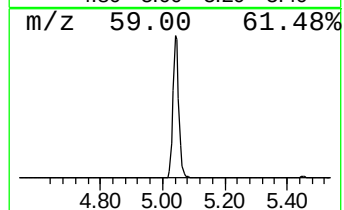
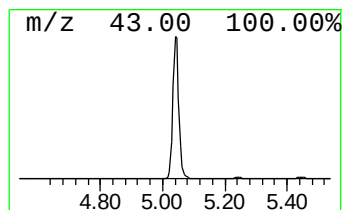
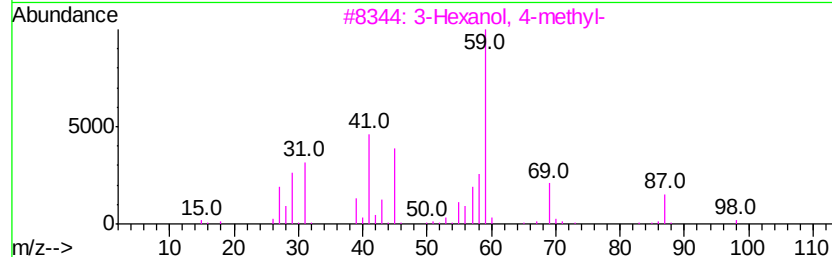
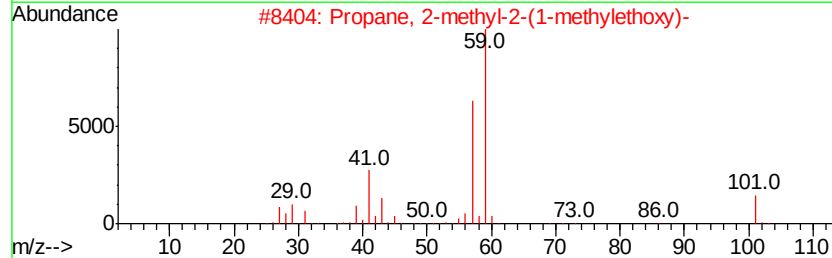
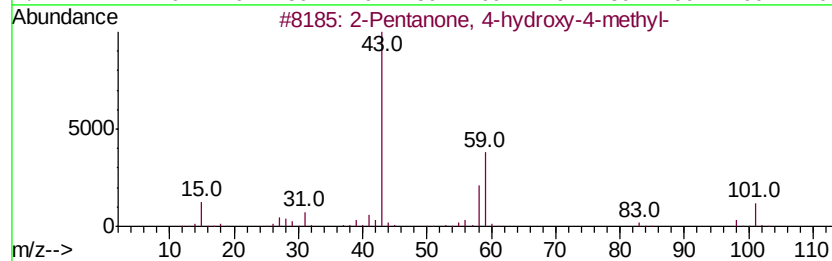
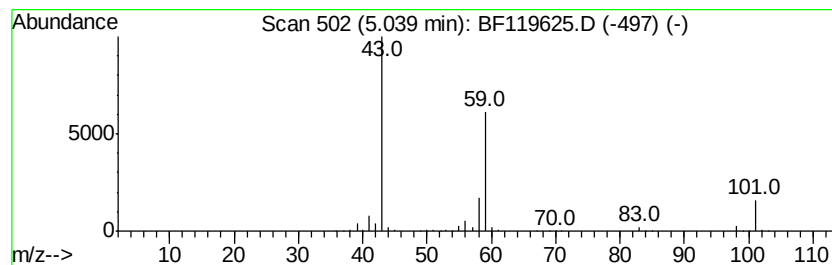
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	16.94 ng	1476800	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



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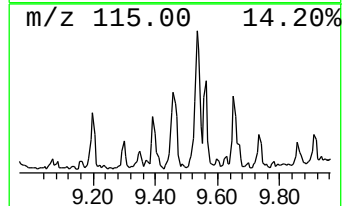
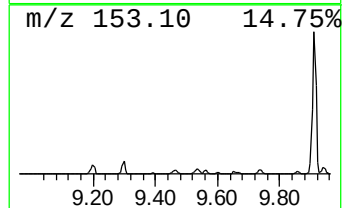
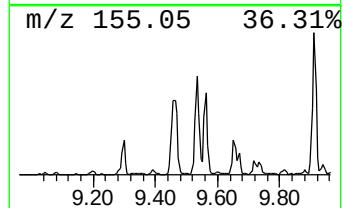
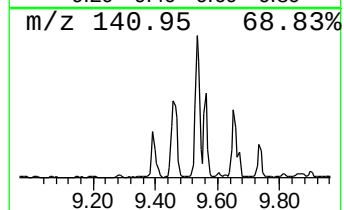
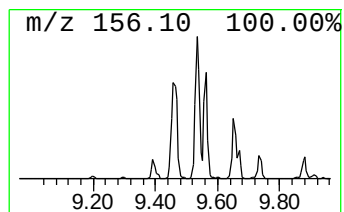
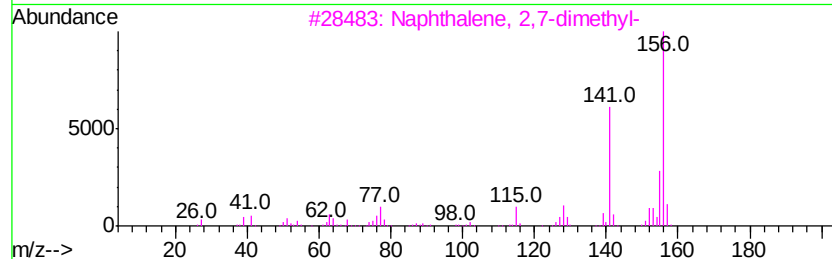
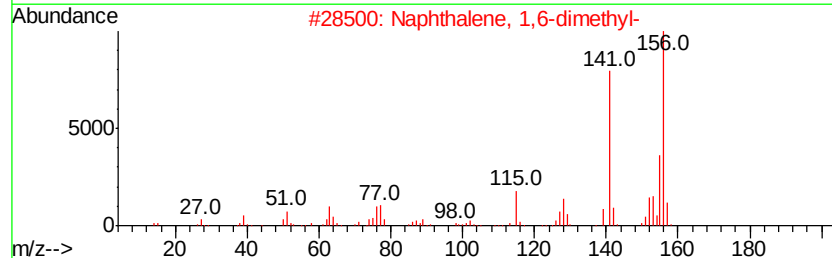
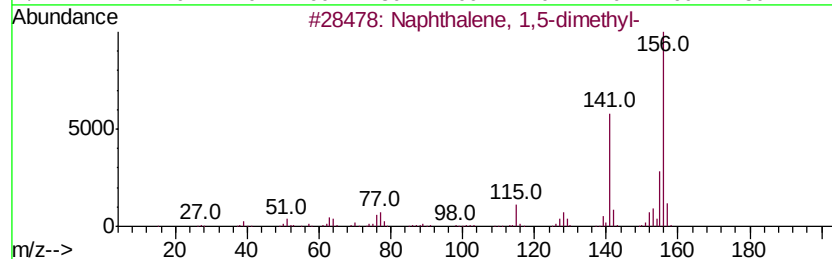
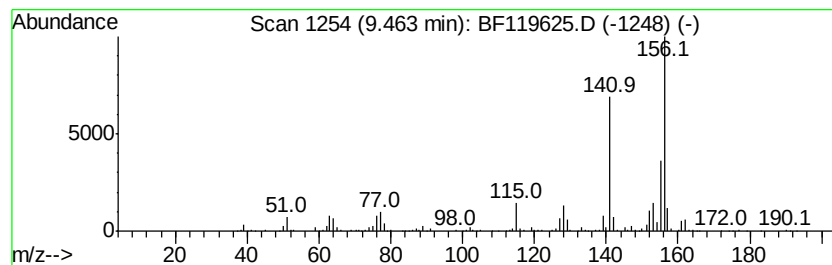
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	8.36 ng	789683	Acenaphthene-d10	9.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



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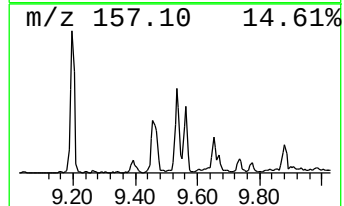
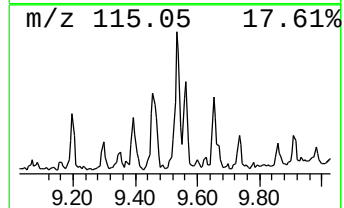
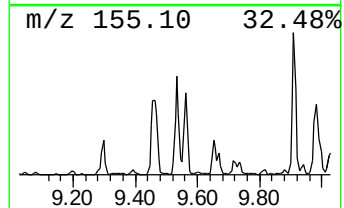
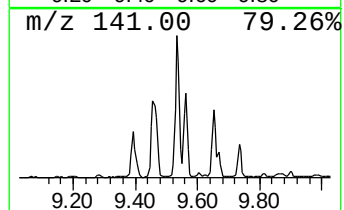
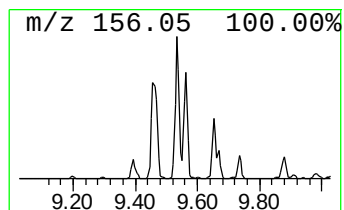
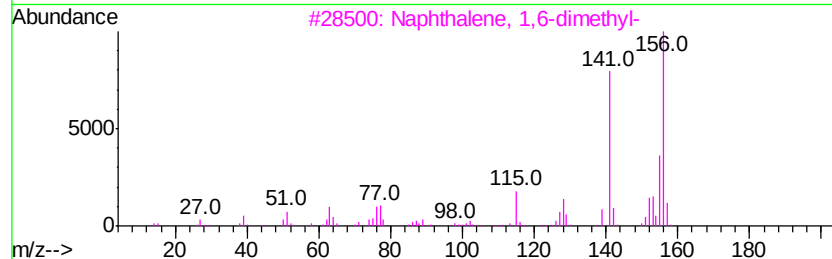
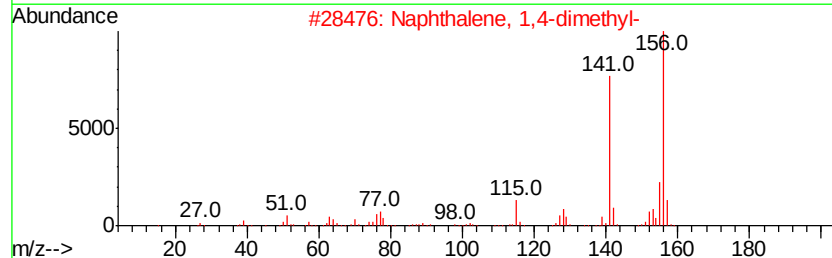
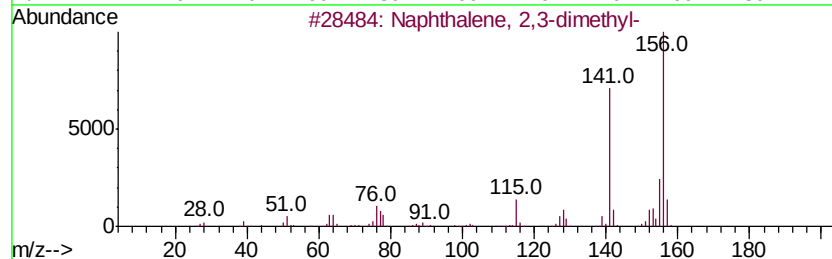
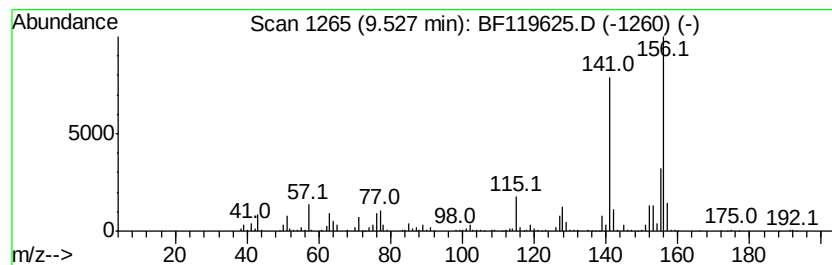
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	10.38 ng	979886	Acenaphthene-d10	9.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



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Acq On : 28 Mar 2020 19:04
Operator : CG/JU
Sample : L2040-07
Misc :
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Instrument :
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ClientSampleId :
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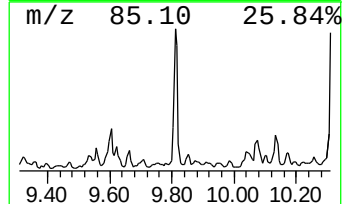
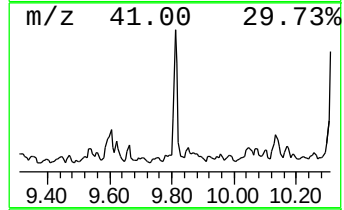
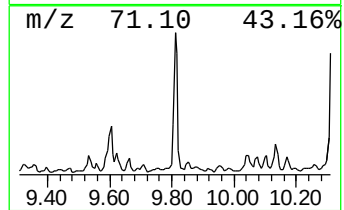
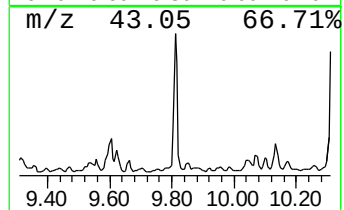
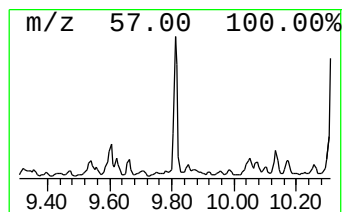
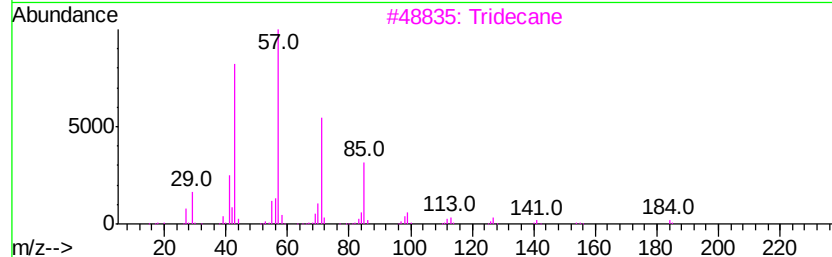
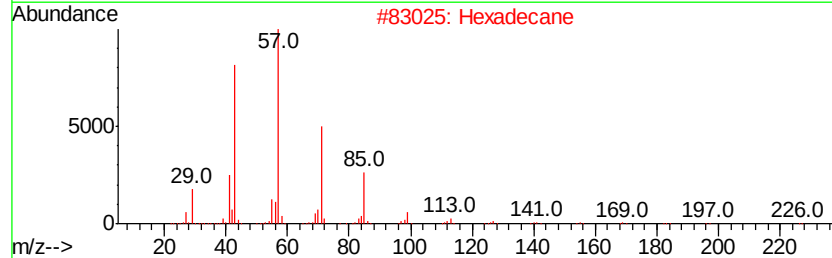
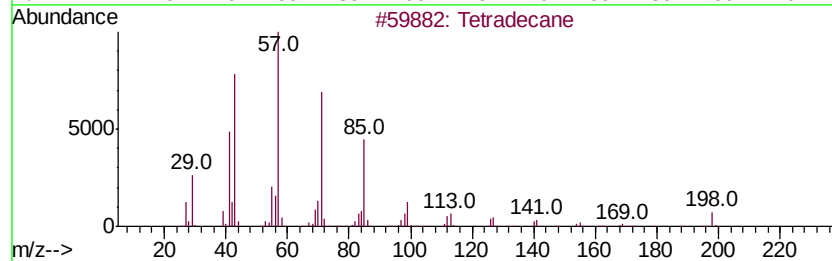
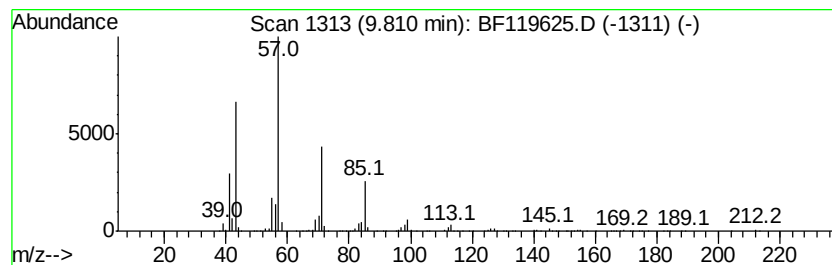
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tetradecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	10.47 ng	988150	Acenaphthene-d10	9.88

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	90
2		Hexadecane	226	C16H34	000544-76-3	87
3		Tridecane	184	C13H28	000629-50-5	86
4		Pentadecane	212	C15H32	000629-62-9	86
5		Dodecane	170	C12H26	000112-40-3	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119625.D
Acq On : 28 Mar 2020 19:04
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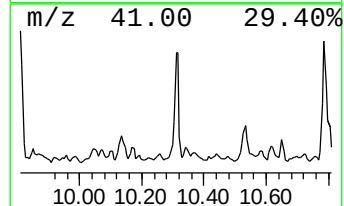
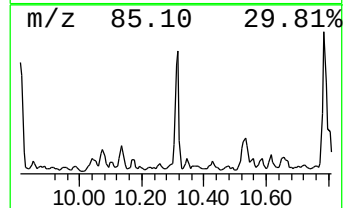
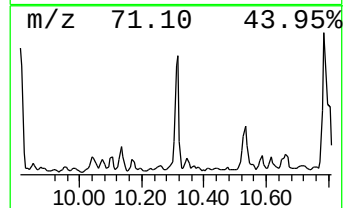
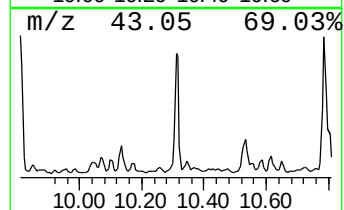
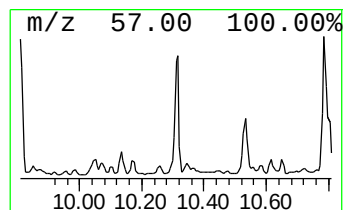
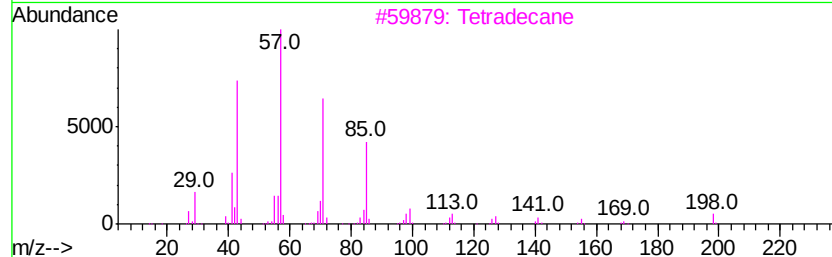
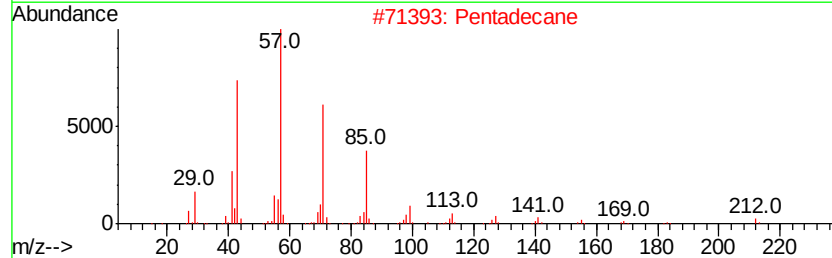
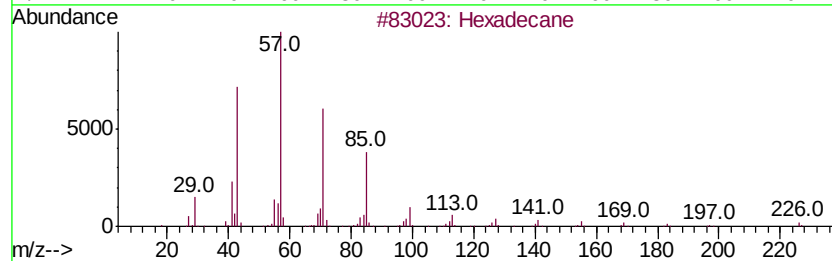
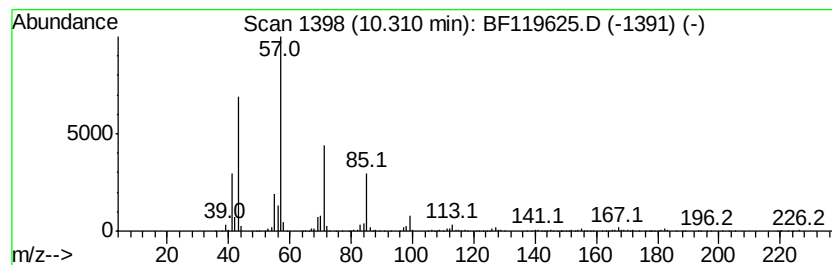
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	13.29 ng	1254620	Acenaphthene-d10	9.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	87
2		Pentadecane	212	C15H32	000629-62-9	86
3		Tetradecane	198	C14H30	000629-59-4	86
4		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	81
5		Undecane, 2-methyl-	170	C12H26	007045-71-8	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119625.D
Acq On : 28 Mar 2020 19:04
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Sample : L2040-07
Misc :
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ClientSampleId :
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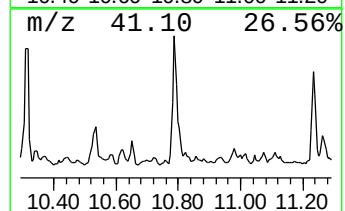
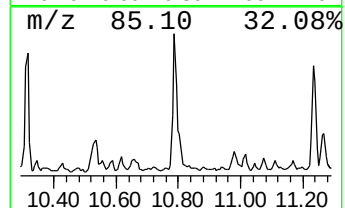
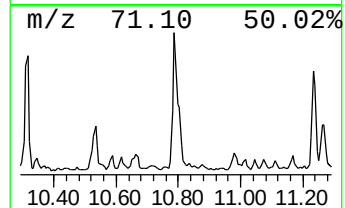
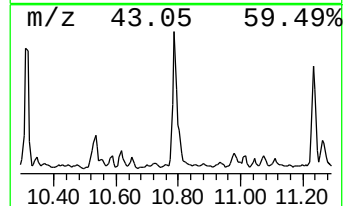
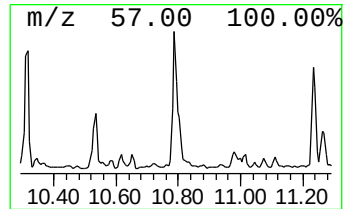
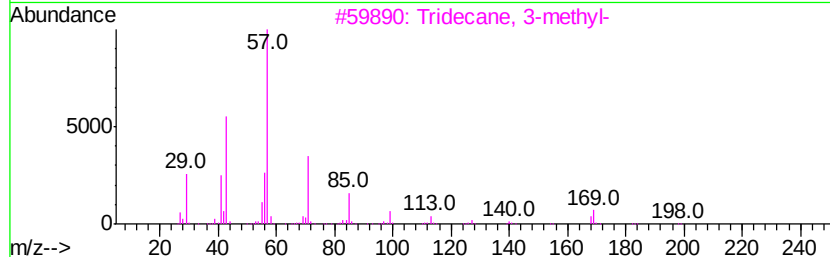
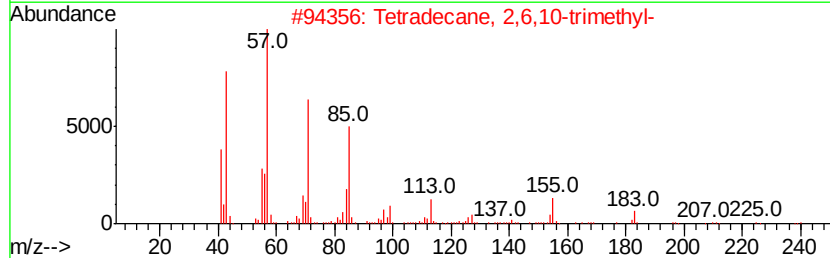
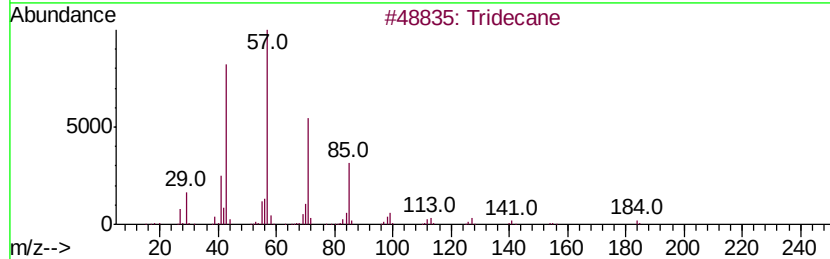
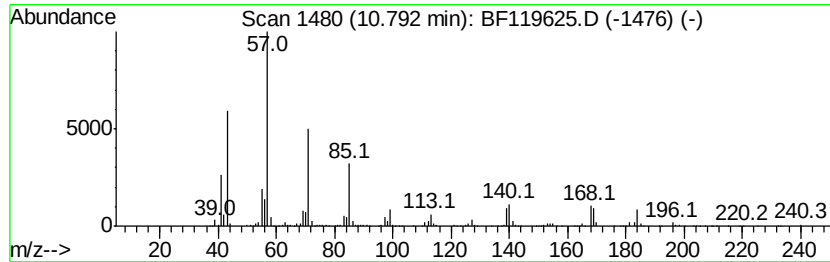
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tridecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	19.92 ng	1555580	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	72
2	Tetradecane, 2,6,10-trimethyl-		240	C17H36	014905-56-7	68
3	Tridecane, 3-methyl-		198	C14H30	006418-41-3	68
4	Hexadecane		226	C16H34	000544-76-3	64
5	3,5-Dimethyldodecane		198	C14H30	107770-99-0	64



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Sample : L2040-07
Misc :
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Instrument :
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ClientSampleId :
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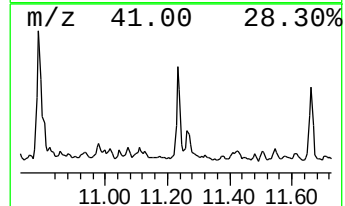
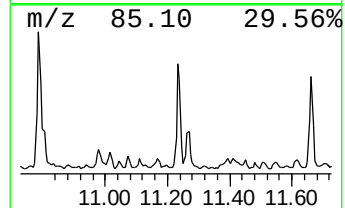
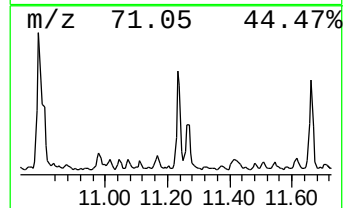
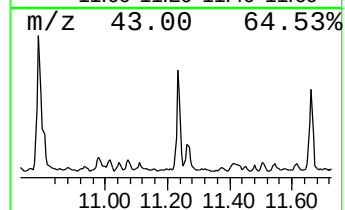
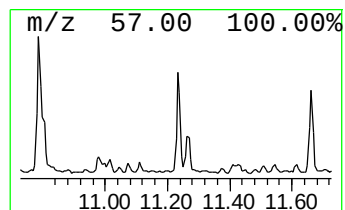
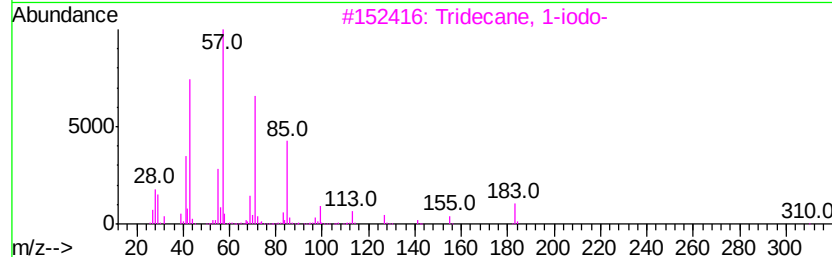
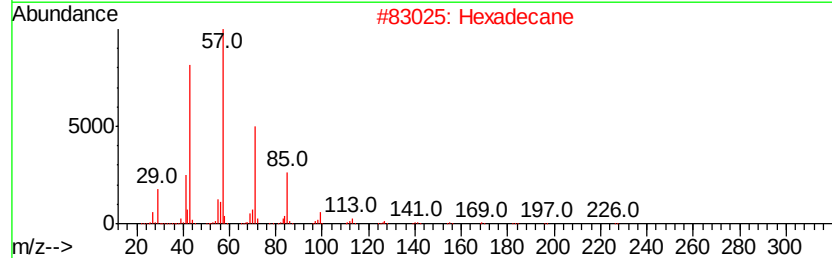
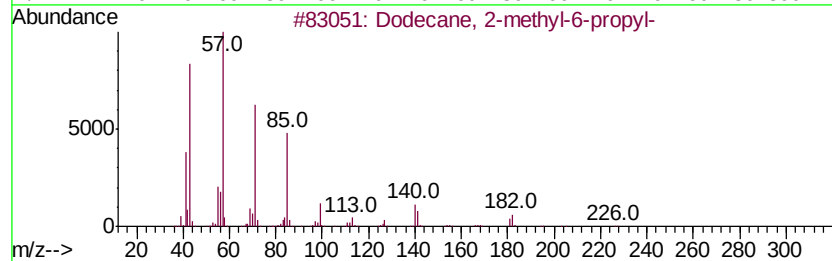
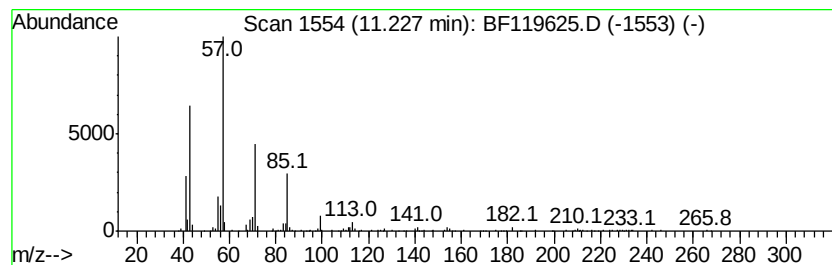
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dodecane, 2-methyl-6-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	11.93 ng	932059	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
2		Hexadecane	226	C16H34	000544-76-3	90
3		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83
4		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
5		Undecane, 3-methyl-	170	C12H26	001002-43-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
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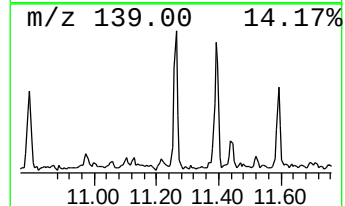
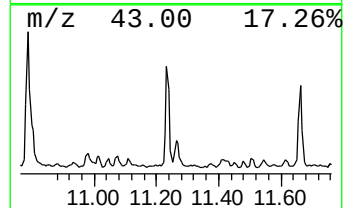
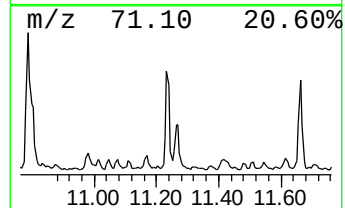
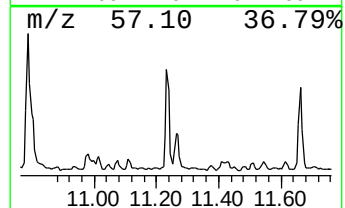
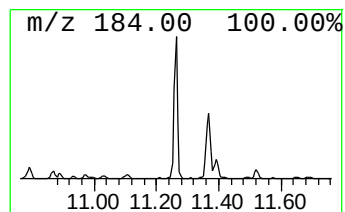
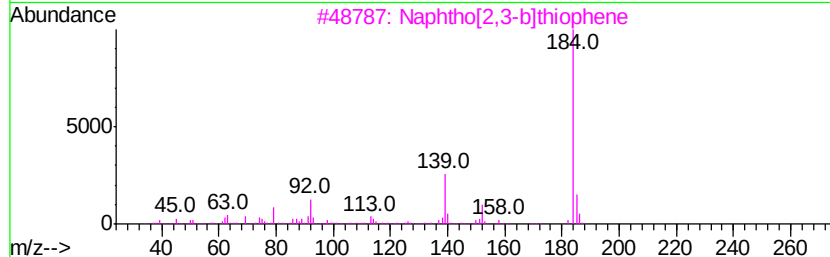
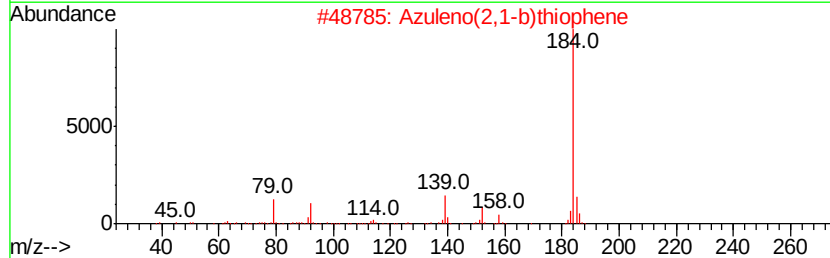
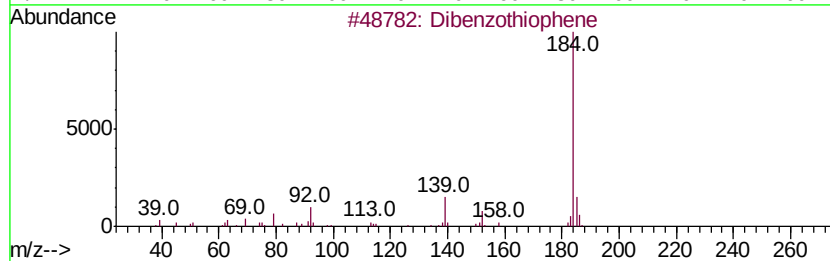
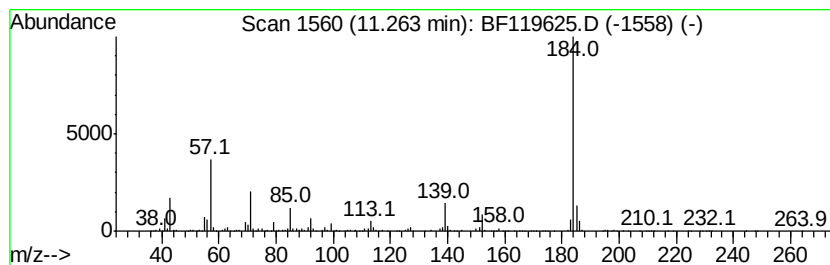
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	10.68 ng	833831	Phenanthrene-d10	11.37
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenzothiophene	184 C12H8S	000132-65-0 95
2		Azuleno(2,1-b)thiophene	184 C12H8S	000248-13-5 76
3		Naphtho[2,3-b]thiophene	184 C12H8S	000268-77-9 76
4		Naphtho[2,1-b]thiophene	184 C12H8S	000233-02-3 76
5		Naphtho[1,2-b]thiophene	184 C12H8S	000234-41-3 76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
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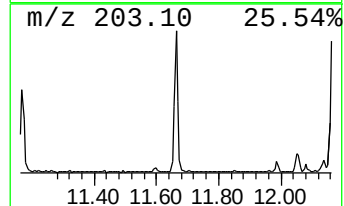
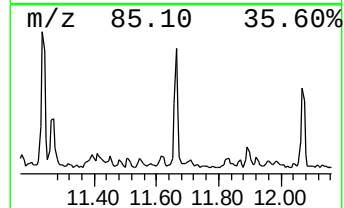
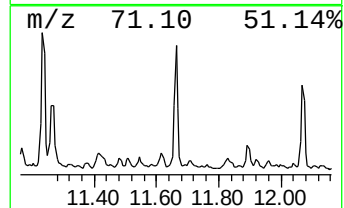
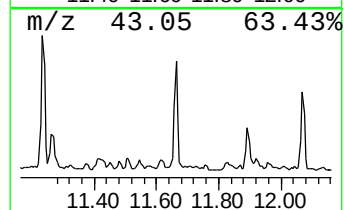
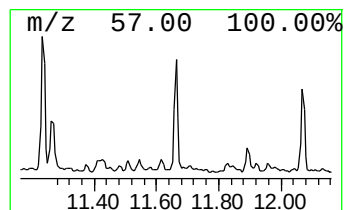
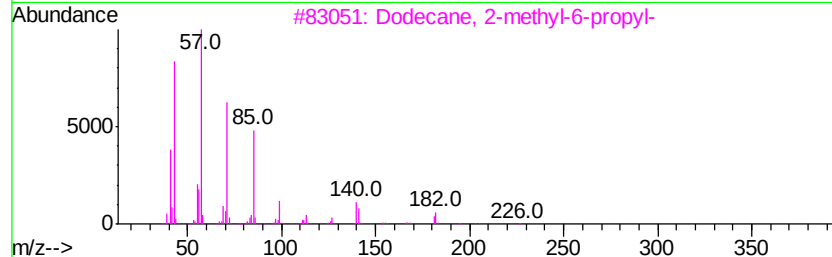
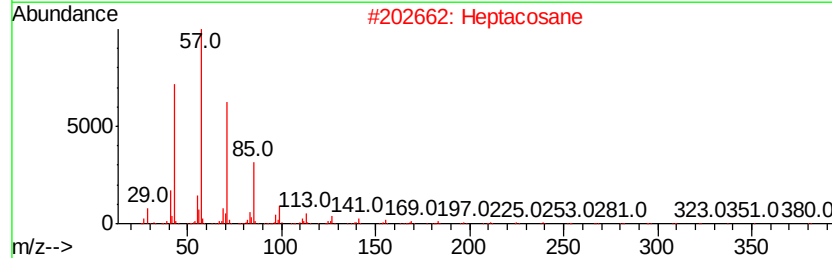
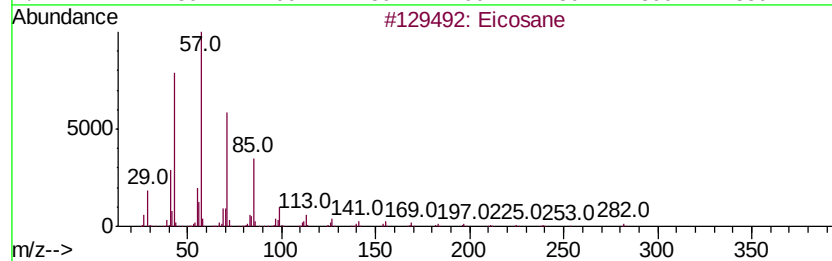
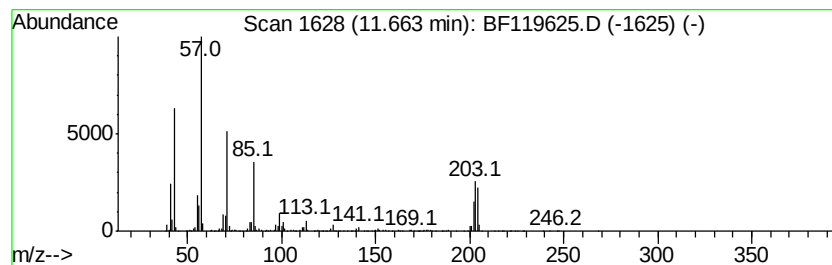
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	10.56 ng	824707	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	58
2		Heptacosane	380	C27H56	000593-49-7	58
3		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	49
4		Hexadecane	226	C16H34	000544-76-3	49
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
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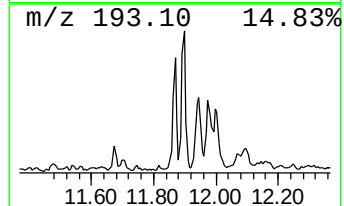
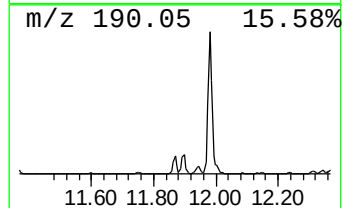
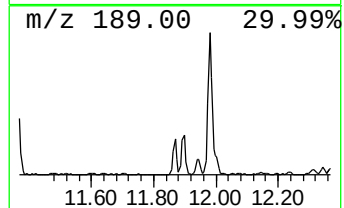
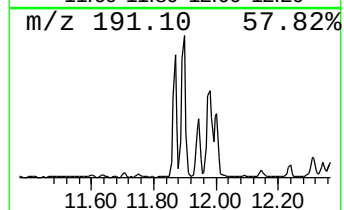
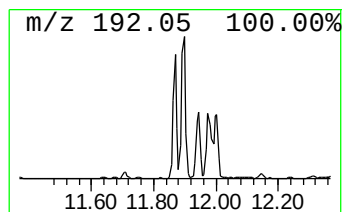
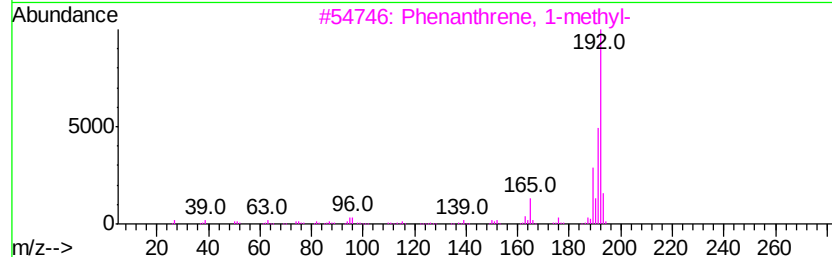
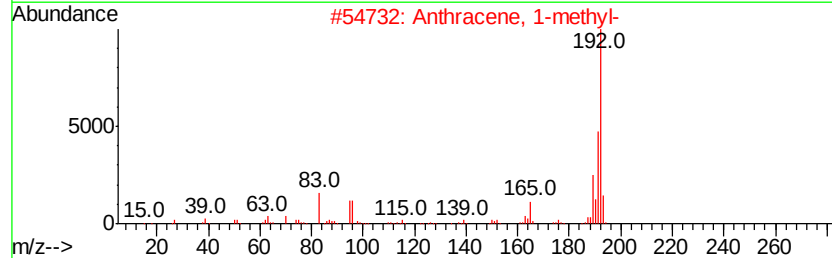
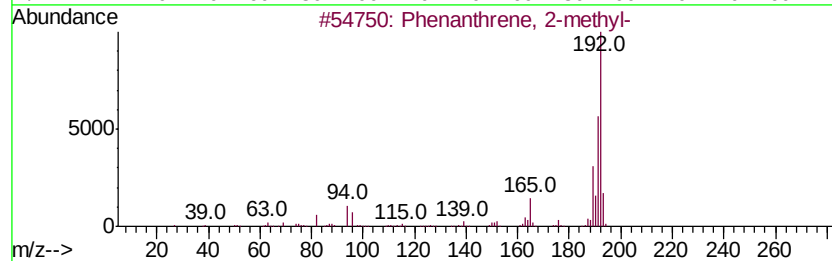
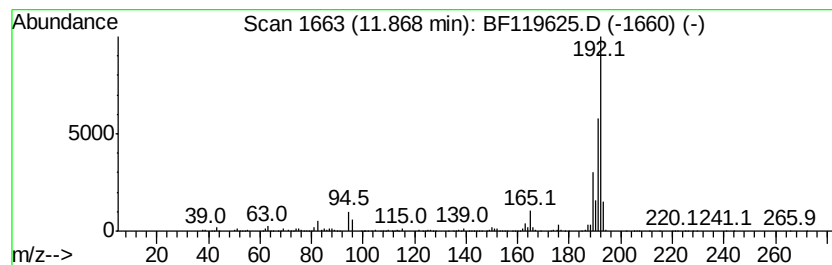
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.87	7.71 ng	601948	Phenanthrene-d10	11.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87



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Data File : BF119625.D
Acq On : 28 Mar 2020 19:04
Operator : CG/JU
Sample : L2040-07
Misc :
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Instrument :
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ClientSampled :
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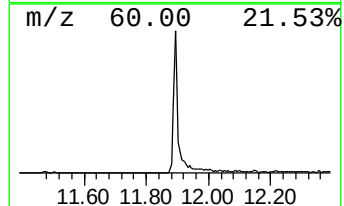
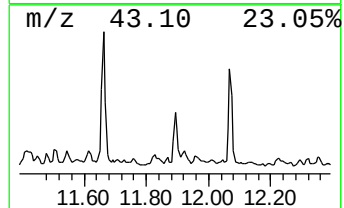
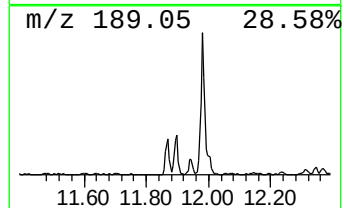
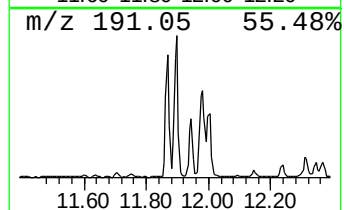
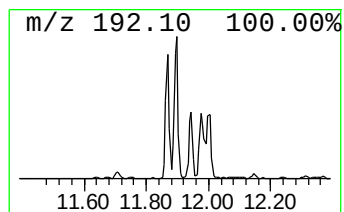
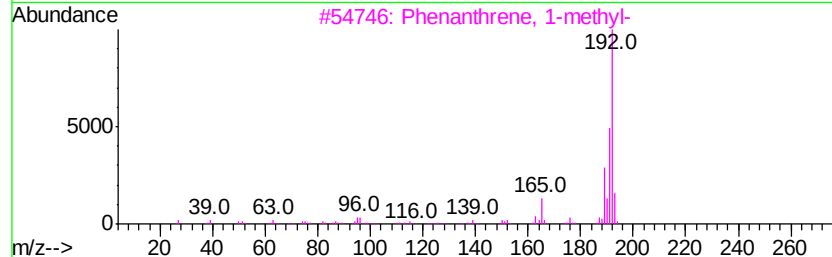
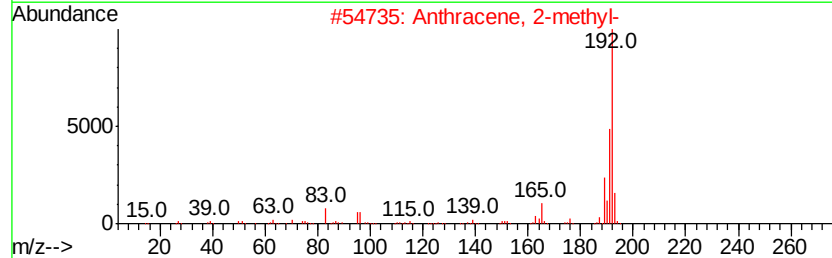
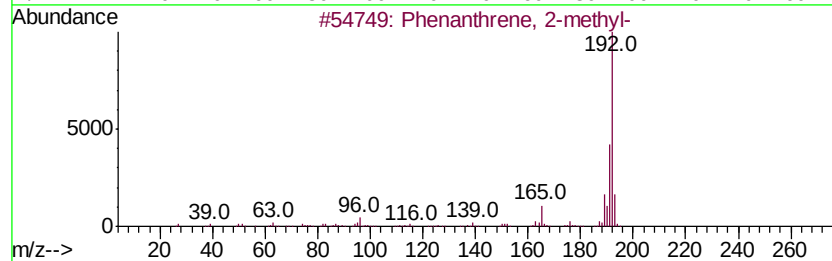
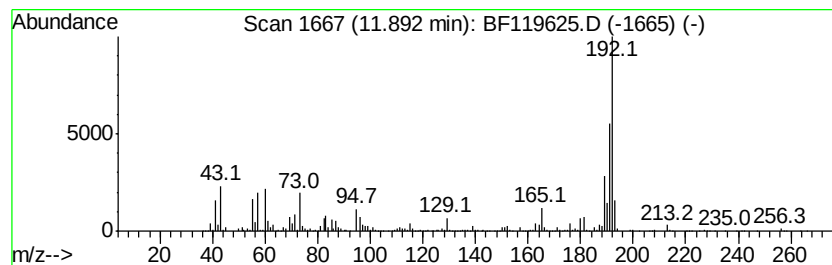
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	15.81 ng	1234920	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



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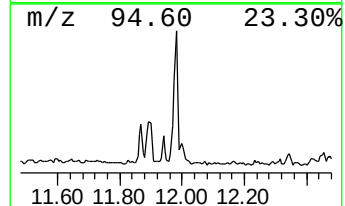
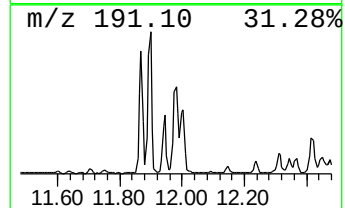
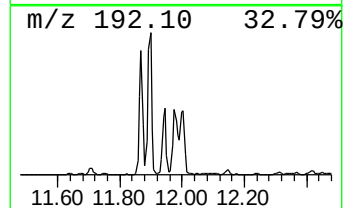
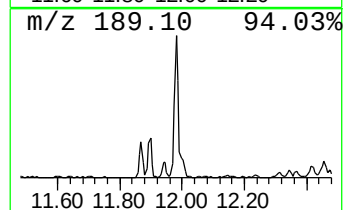
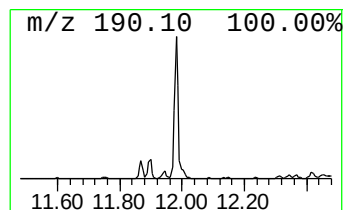
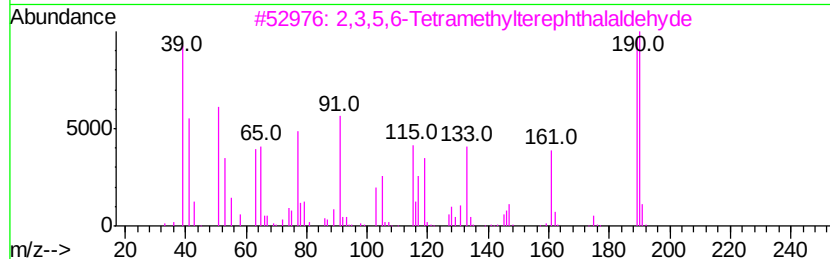
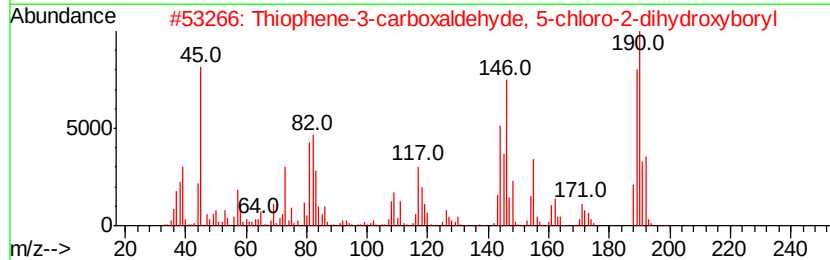
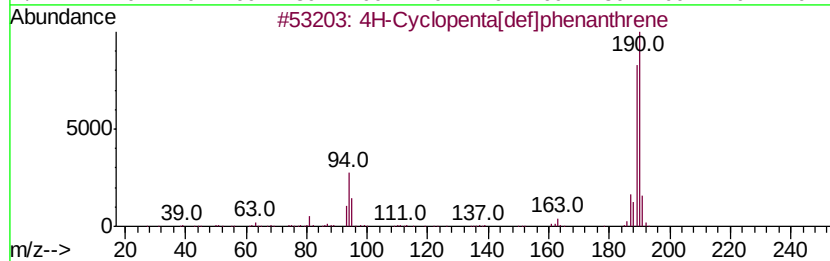
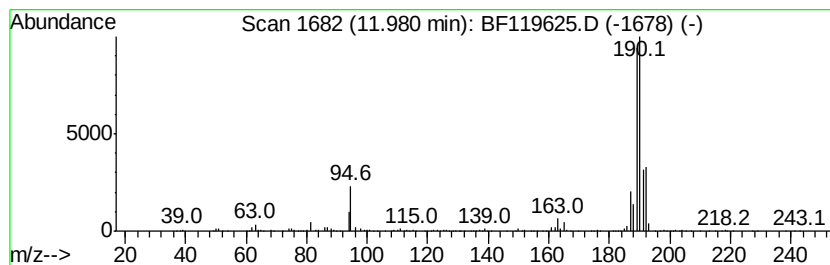
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	15.65 ng	1222560	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	50
5		Methyl diselenide	190	C2H6Se2	007101-31-7	46



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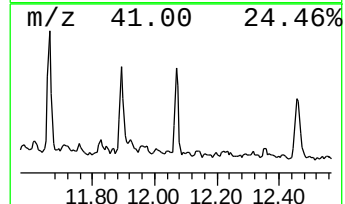
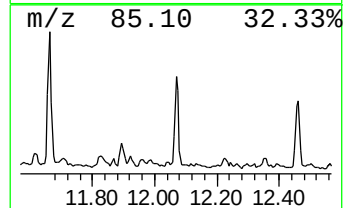
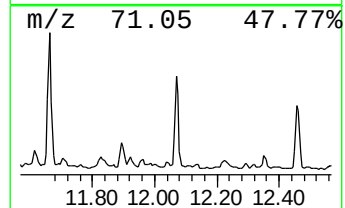
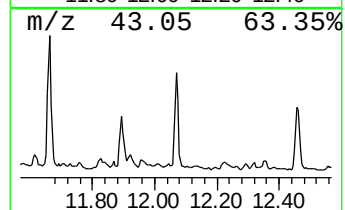
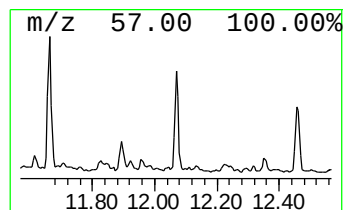
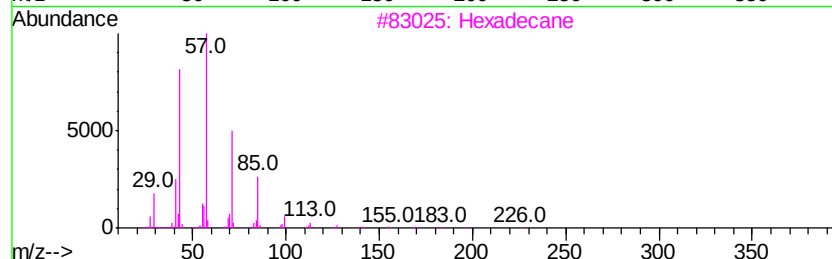
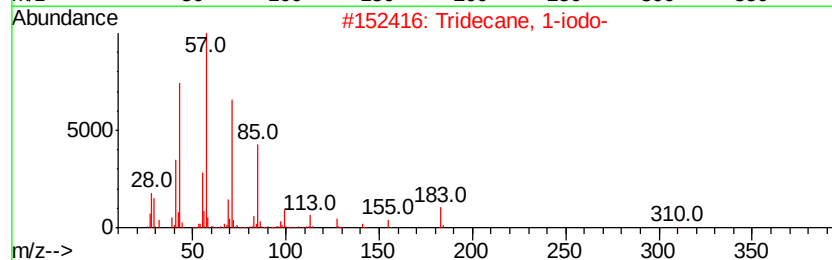
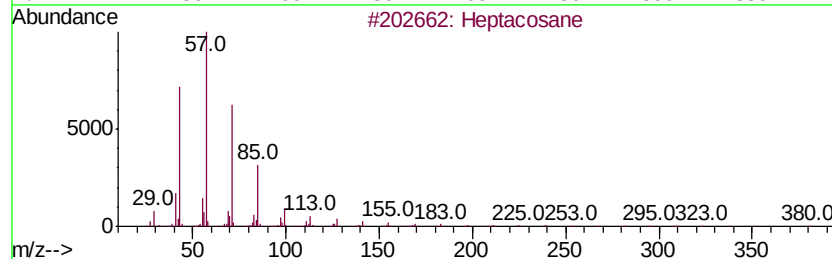
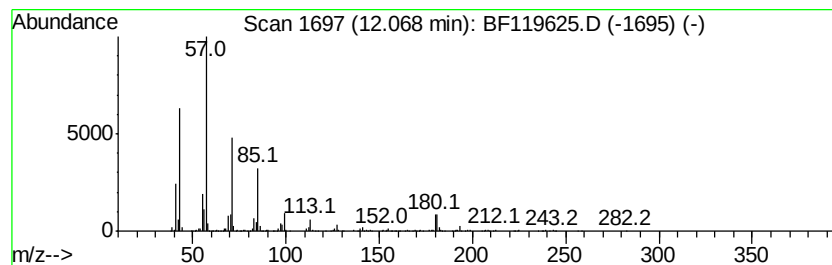
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Heptacosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	6.51 ng	508708	Phenanthrene-d10	11.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosane	380	C27H56	000593-49-7	87
2			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
3			Hexadecane	226	C16H34	000544-76-3	80
4			Octadecane	254	C18H38	000593-45-3	74
5			Tetradecane, 4-methyl-	212	C15H32	025117-24-2	74



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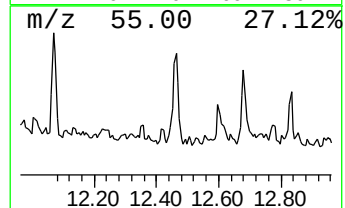
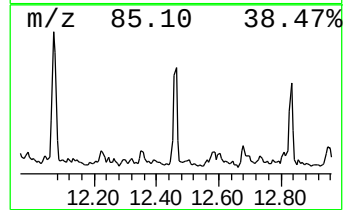
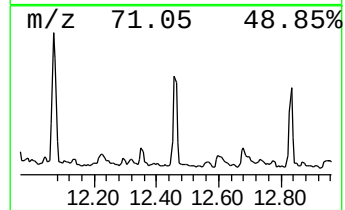
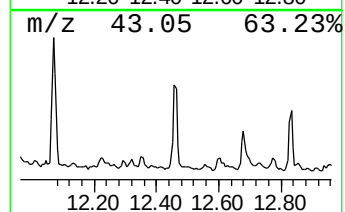
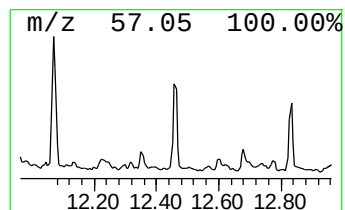
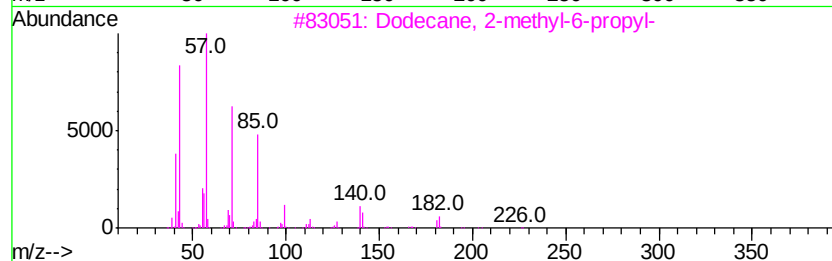
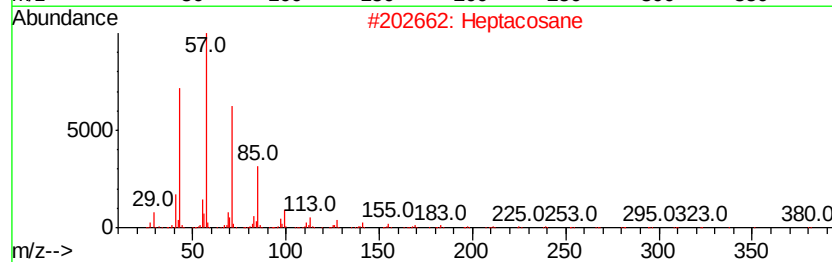
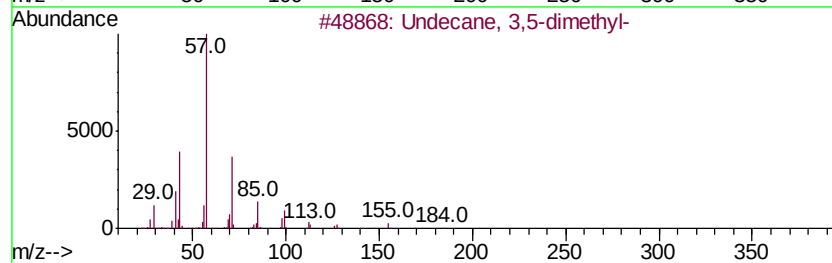
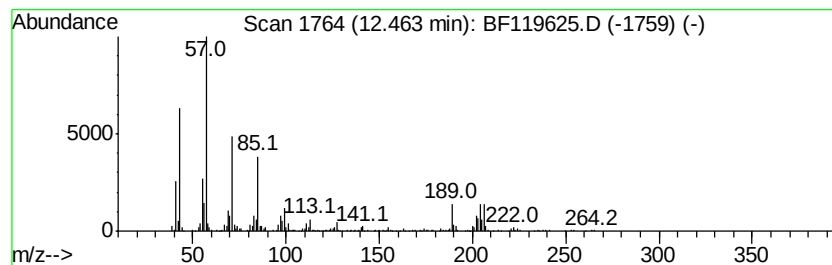
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 unknown12.46 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	10.52 ng	821762	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	46
2		Heptacosane	380	C27H56	000593-49-7	43
3		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	43
4		Octacosane	394	C28H58	000630-02-4	41
5		Dodecane, 3-methyl-	184	C13H28	017312-57-1	38



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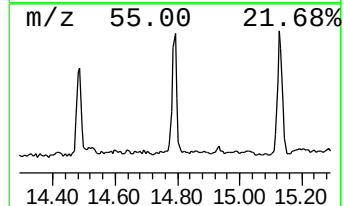
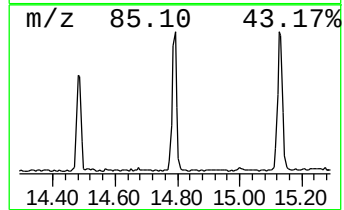
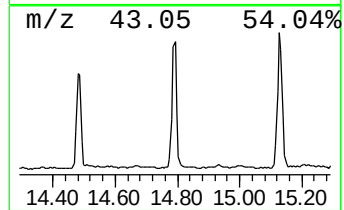
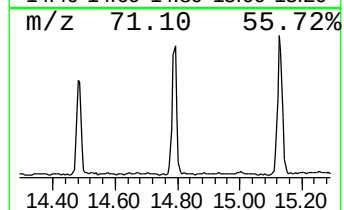
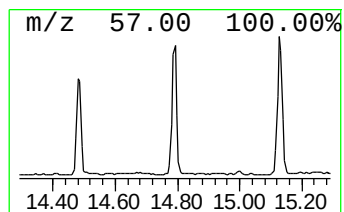
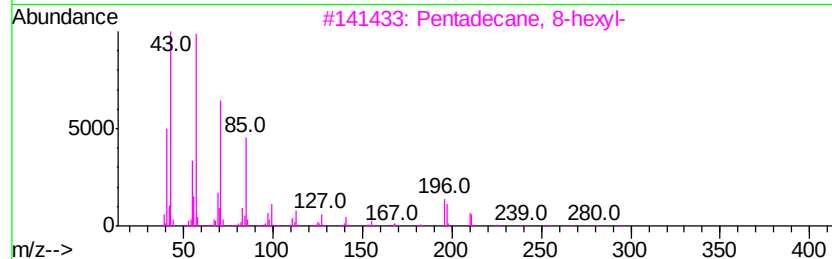
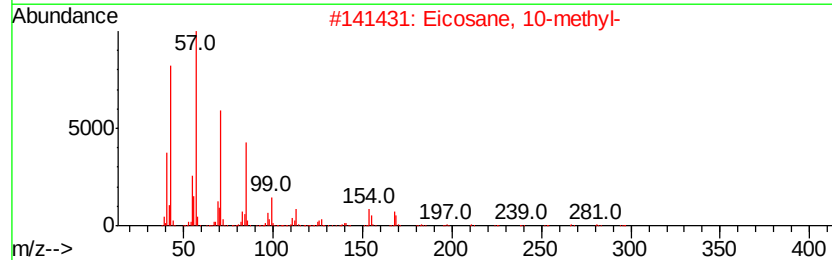
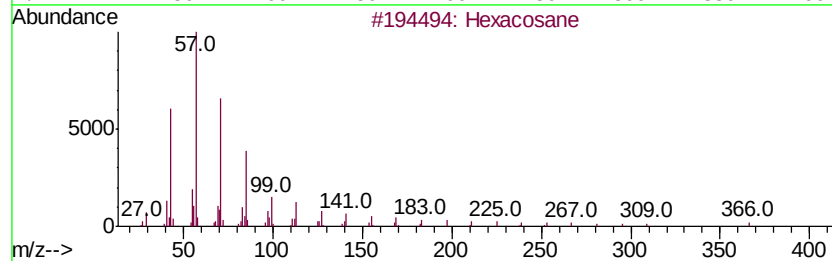
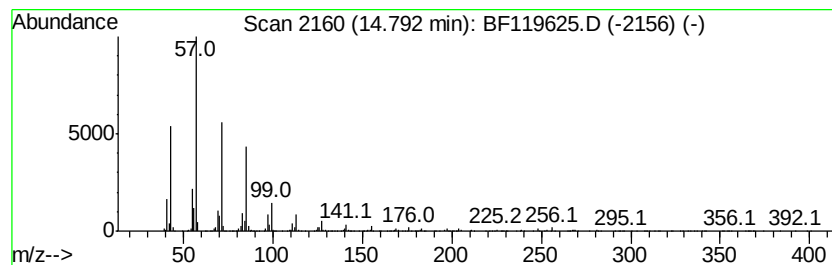
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Hexacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	17.47 ng	1226980	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	95
2		Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
4		Pentacosane	352	C25H52	000629-99-2	91
5		Eicosane	282	C20H42	000112-95-8	91



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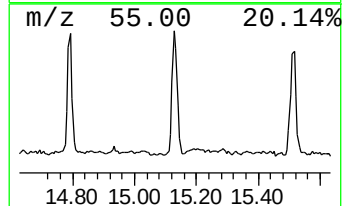
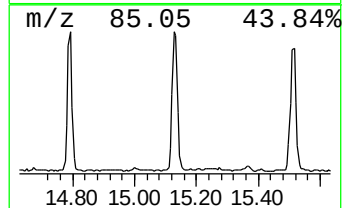
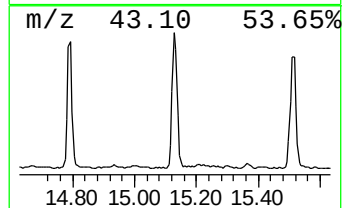
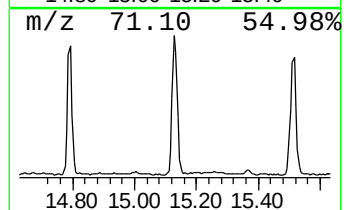
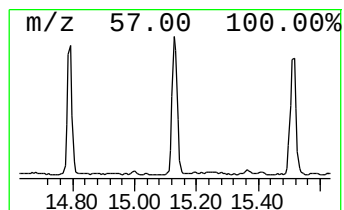
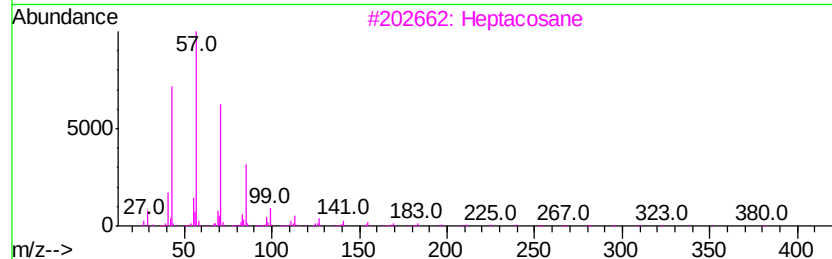
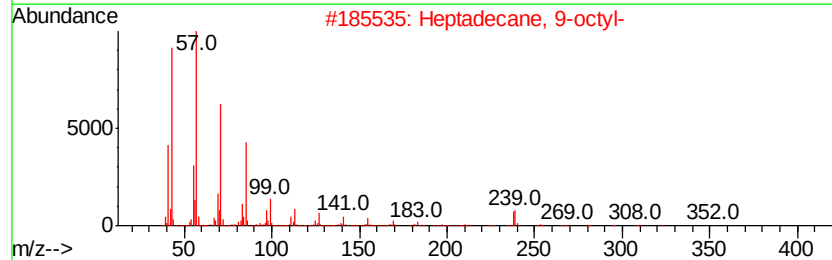
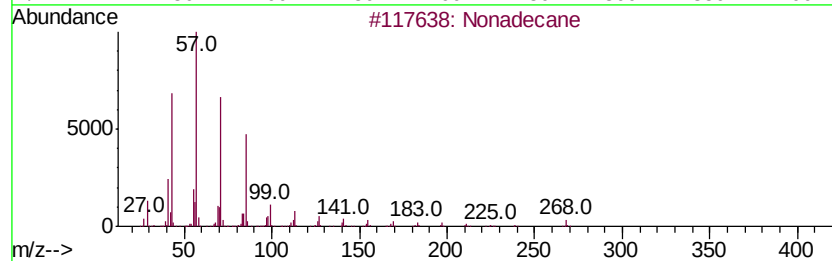
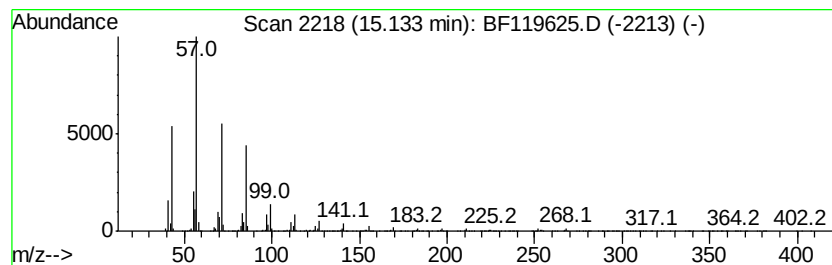
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Nonadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	22.78 ng	1599890	Perylene-d12	15.47
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonadecane	268 C19H40	000629-92-5	93
2	Heptadecane, 9-octyl-	352 C25H52	007225-64-1	92
3	Heptacosane	380 C27H56	000593-49-7	91
4	1-Iodo-2-methylundecane	296 C12H25I	073105-67-6	91
5	Heptadecane, 2-methyl-	254 C18H38	001560-89-0	90



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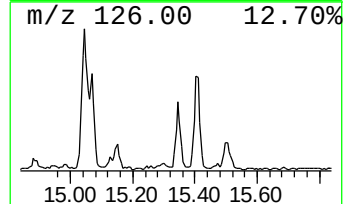
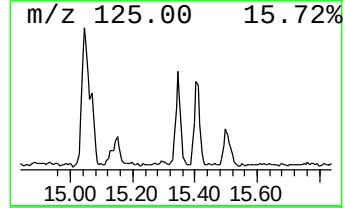
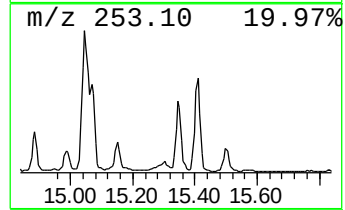
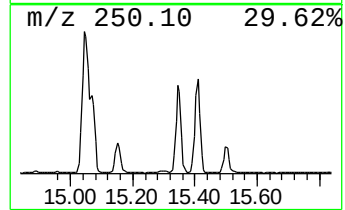
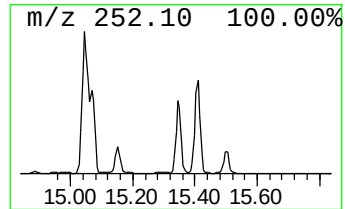
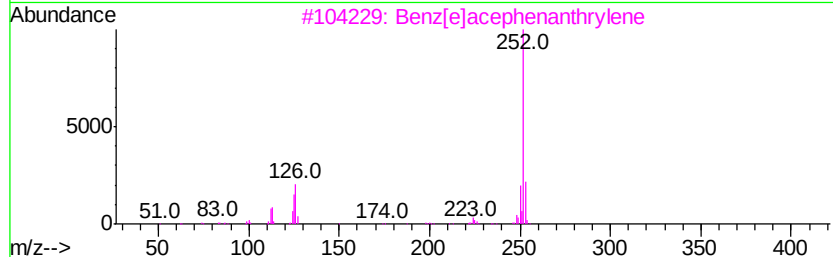
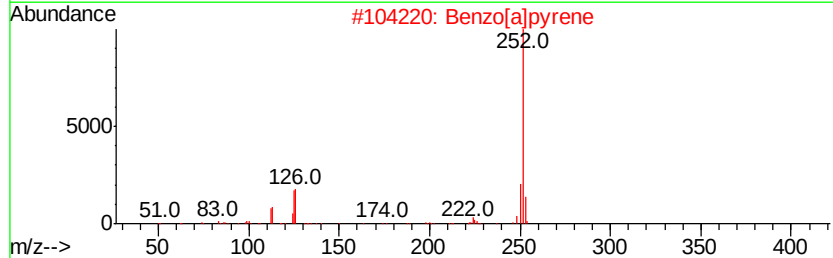
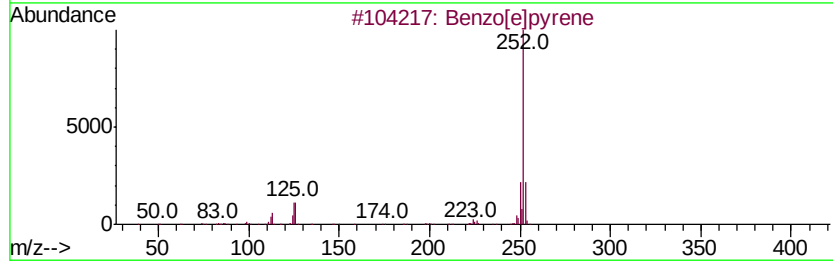
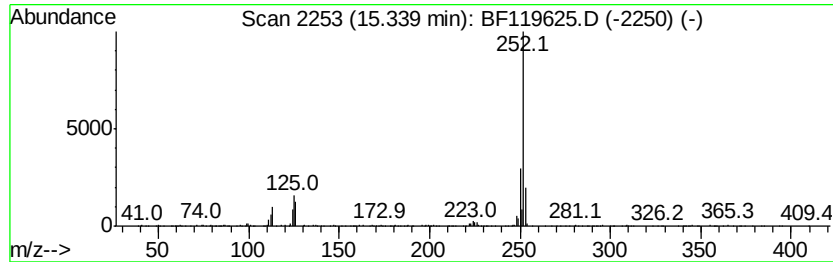
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	11.24 ng	789557	Perylene-d12	15.47

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	93
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	90
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119625.D
Acq On : 28 Mar 2020 19:04
Operator : CG/JU
Sample : L2040-07
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-11986

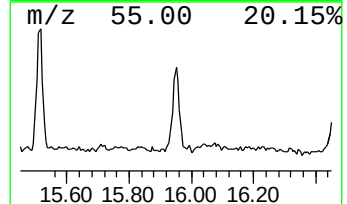
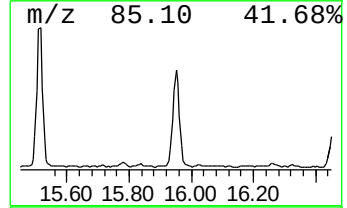
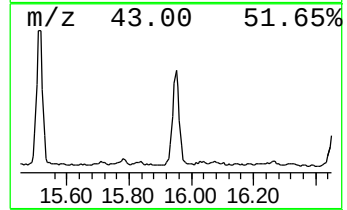
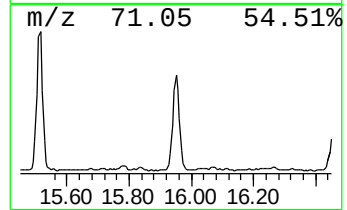
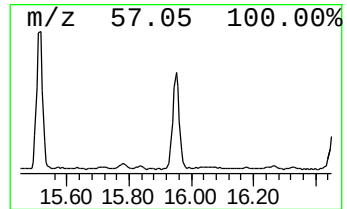
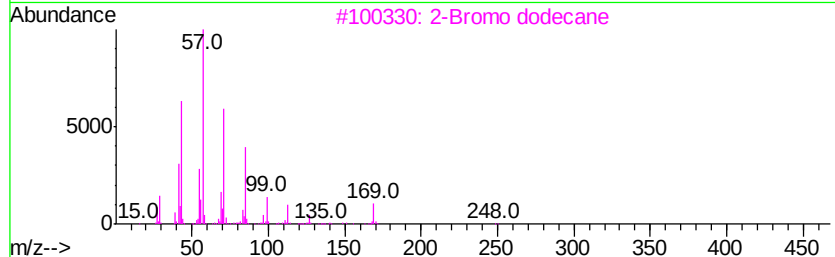
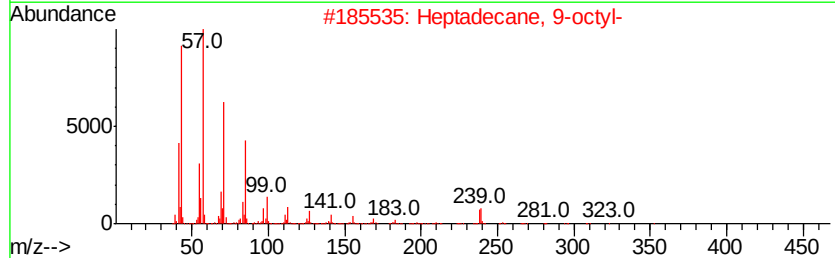
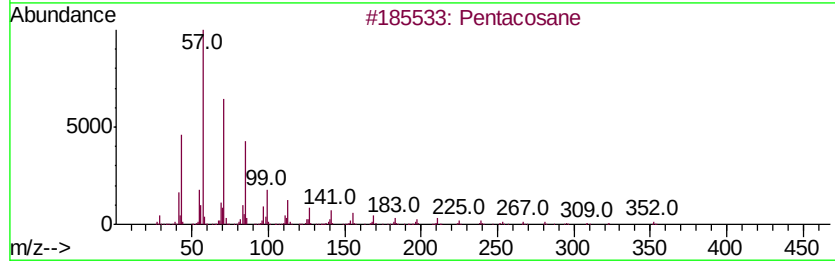
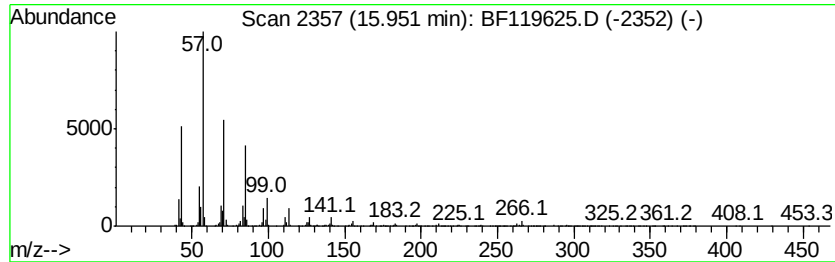
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pentacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	15.47 ng	1086700	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentacosane	352	C25H52	000629-99-2	96
2		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	92
3		2-Bromo dodecane	248	C12H25Br	013187-99-0	91
4		Hexadecane, 3-methyl-	240	C17H36	006418-43-5	90
5		Heneicosane	296	C21H44	000629-94-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
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Acq On : 28 Mar 2020 19:04
Operator : CG/JU
Sample : L2040-07
Misc :
ALS Vial : 55 Sample Multiplier: 1

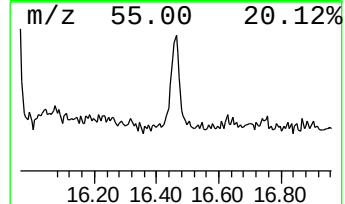
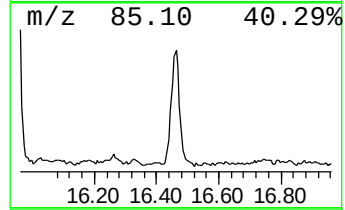
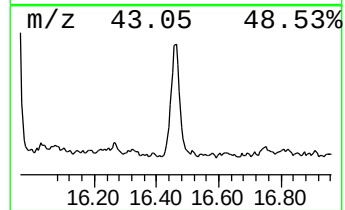
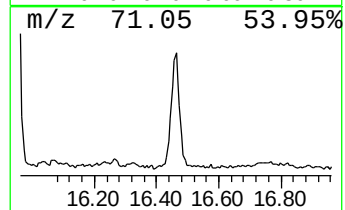
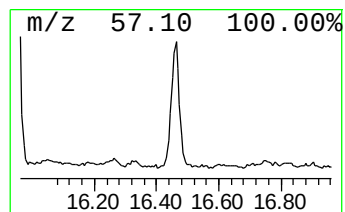
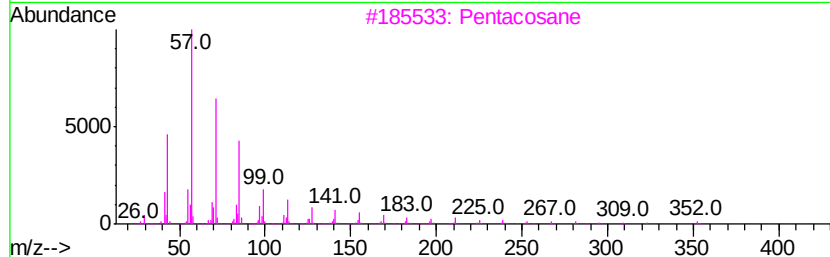
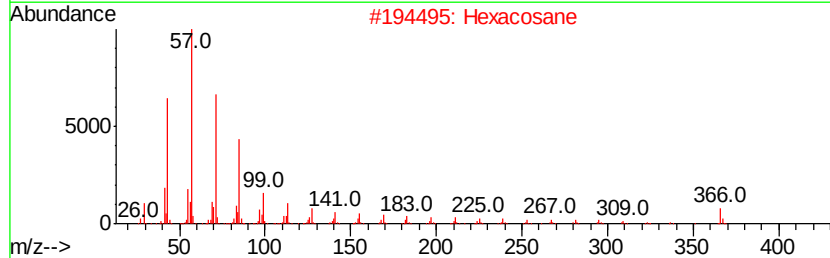
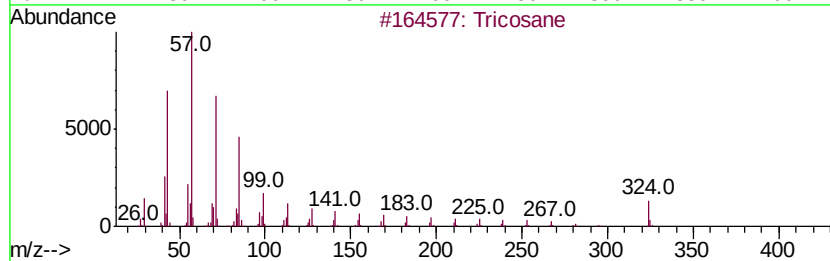
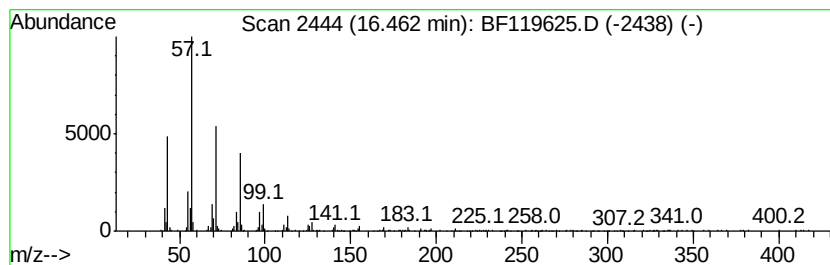
Instrument :
BNA_F
ClientSampleId :
RO-11986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Tricosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.46	9.75 ng	685113	Perylene-d12	15.47	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	93
2	Hexacosane	366	C26H54	000630-01-3	90
3	Pentacosane	352	C25H52	000629-99-2	86
4	Heptacosane	380	C27H56	000593-49-7	83
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119625.D
 Acq On : 28 Mar 2020 19:04
 Operator : CG/JU
 Sample : L2040-07
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-11986

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.04	16.9	ng	1476800	1	6.83	1743950	20.0
Naphthalene, 1,5-...	9.46	8.4	ng	789683	3	9.88	1888250	20.0
Naphthalene, 2,3-...	9.53	10.4	ng	979886	3	9.88	1888250	20.0
Tetradecane	9.81	10.5	ng	988150	3	9.88	1888250	20.0
Hexadecane	10.31	13.3	ng	1254620	3	9.88	1888250	20.0
Tridecane	10.79	19.9	ng	1555580	4	11.37	1562080	20.0
Dodecane, 2-methy...	11.23	11.9	ng	932059	4	11.37	1562080	20.0
Dibenzothiophene	11.26	10.7	ng	833831	4	11.37	1562080	20.0
Eicosane	11.66	10.6	ng	824707	4	11.37	1562080	20.0
Phenanthrene, 2-m...	11.87	7.7	ng	601948	4	11.37	1562080	20.0
Anthracene, 2-met...	11.89	15.8	ng	1234920	4	11.37	1562080	20.0
4H-Cyclopenta[def...	11.98	15.7	ng	1222560	4	11.37	1562080	20.0
Heptacosane	12.07	6.5	ng	508708	4	11.37	1562080	20.0
unknown12.46	12.46	10.5	ng	821762	4	11.37	1562080	20.0
Hexacosane	14.79	17.5	ng	1226980	6	15.47	1404790	20.0
Nonadecane	15.13	22.8	ng	1599890	6	15.47	1404790	20.0
Benzo[e]pyrene	15.34	11.2	ng	789557	6	15.47	1404790	20.0
Pentacosane	15.95	15.5	ng	1086700	6	15.47	1404790	20.0
Tricosane	16.46	9.8	ng	685113	6	15.47	1404790	20.0