

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112519\
 Data File : BF117993.D
 Acq On : 26 Nov 2019 4:05
 Operator : JU
 Sample : K5676-31 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-112219

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-BF111319.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.157	7	12	21	rVB	446276	547759	17.14%	1.348%
2	5.092	507	511	522	rVB	248292	257906	8.07%	0.635%
3	5.498	576	580	584	rBV	1453870	1327606	41.53%	3.268%
4	6.510	748	752	760	rVB	1554329	1556577	48.70%	3.831%
5	6.657	773	777	780	rBV	2027872	1654671	51.76%	4.073%
6	6.892	813	817	820	rBV	1165491	939358	29.39%	2.312%
7	7.045	839	843	847	rBV	1477700	1290726	40.38%	3.177%
8	7.451	908	912	915	rVV	1131506	874983	27.37%	2.154%
9	7.533	922	926	930	rVB4	33154	48429	1.52%	0.119%
10	7.916	989	991	995	rBV3	42866	47450	1.48%	0.117%
11	8.180	1030	1036	1038	rBV	1346522	1233552	38.59%	3.036%
12	8.198	1038	1039	1042	rVV	121129	90781	2.84%	0.223%
13	8.239	1042	1046	1048	rVB2	47945	56466	1.77%	0.139%
14	8.475	1080	1086	1089	rBV4	42124	54280	1.70%	0.134%
15	8.563	1098	1101	1104	rBV3	40783	43514	1.36%	0.107%
16	8.686	1118	1122	1125	rBV	92291	80663	2.52%	0.199%
17	8.769	1133	1136	1140	rBV2	108327	100066	3.13%	0.246%
18	8.892	1155	1157	1161	rVB	158820	117339	3.67%	0.289%
19	8.992	1170	1174	1178	rBV2	183551	220721	6.90%	0.543%
20	9.198	1207	1209	1212	rBV2	64980	61953	1.94%	0.152%
21	9.257	1215	1219	1222	rBV	2325126	1798102	56.25%	4.426%
22	9.339	1229	1233	1235	rBV	174134	169065	5.29%	0.416%
23	9.369	1235	1238	1242	rVV2	77925	109555	3.43%	0.270%
24	9.410	1242	1245	1247	rVB	61466	54806	1.71%	0.135%
25	9.527	1258	1265	1268	rBV2	103498	147571	4.62%	0.363%
26	9.598	1270	1277	1279	rVV	190988	226476	7.08%	0.557%
27	9.622	1279	1281	1283	rVV2	127051	113255	3.54%	0.279%
28	9.651	1283	1286	1290	rVV	364956	389824	12.20%	0.959%
29	9.686	1290	1292	1294	rVV2	58253	50730	1.59%	0.125%
30	9.716	1294	1297	1302	rVV2	114510	119407	3.74%	0.294%
31	9.798	1308	1311	1316	rVB	128693	133265	4.17%	0.328%
32	9.869	1316	1323	1327	rBV	295558	273477	8.56%	0.673%
33	9.939	1332	1335	1338	rVV	1477335	1338949	41.89%	3.296%
34	9.980	1338	1342	1345	rVV2	437721	416324	13.02%	1.025%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.010	1345	1347	1350	rVB3	53485	51168	1.60%	0.126%
36	10.045	1350	1353	1357	rBV2	65832	81714	2.56%	0.201%
37	10.098	1358	1362	1365	rBV3	47890	74273	2.32%	0.183%
38	10.145	1365	1370	1374	rVB2	127444	183829	5.75%	0.452%
39	10.186	1374	1377	1382	rBV3	87722	109459	3.42%	0.269%
40	10.257	1386	1389	1392	rBV3	80058	90539	2.83%	0.223%
41	10.369	1404	1408	1411	rVB	307572	259467	8.12%	0.639%
42	10.439	1416	1420	1423	rVB5	41124	53963	1.69%	0.133%
43	10.492	1425	1429	1433	rBV	222597	214085	6.70%	0.527%
44	10.592	1441	1446	1451	rVB2	117885	179637	5.62%	0.442%
45	10.645	1452	1455	1458	rVB2	58901	49446	1.55%	0.122%
46	10.733	1464	1470	1473	rBV	879819	836392	26.17%	2.059%
47	10.845	1486	1489	1497	rBV	319694	392293	12.27%	0.966%
48	10.951	1504	1507	1509	rVB	218528	166890	5.22%	0.411%
49	11.039	1518	1522	1525	rBV2	90821	107104	3.35%	0.264%
50	11.069	1525	1527	1530	rVB2	62827	53597	1.68%	0.132%
51	11.239	1553	1556	1559	rVV2	43782	45791	1.43%	0.113%
52	11.292	1562	1565	1568	rVV	255619	262730	8.22%	0.647%
53	11.327	1568	1571	1576	rVB	206372	221956	6.94%	0.546%
54	11.433	1585	1589	1591	rBV	1310113	1102618	34.49%	2.714%
55	11.457	1591	1593	1597	rVV	1124610	932077	29.16%	2.294%
56	11.510	1599	1602	1605	rVV	328915	268929	8.41%	0.662%
57	11.539	1605	1607	1610	rVV2	43746	43474	1.36%	0.107%
58	11.663	1626	1628	1629	rBV	66959	53671	1.68%	0.132%
59	11.721	1635	1638	1641	rBV2	238741	206860	6.47%	0.509%
60	11.763	1644	1645	1652	rVB3	64857	60695	1.90%	0.149%
61	11.821	1652	1655	1658	rBV	1231135	1067283	33.39%	2.627%
62	11.939	1672	1675	1676	rBV	171965	151879	4.75%	0.374%
63	11.963	1676	1679	1684	rVV2	296169	407443	12.75%	1.003%
64	12.010	1685	1687	1691	rVV	100409	115623	3.62%	0.285%
65	12.051	1691	1694	1696	rVV2	274555	305365	9.55%	0.752%
66	12.074	1696	1698	1700	rVB	132255	103567	3.24%	0.255%
67	12.133	1705	1708	1712	rVB	201392	184852	5.78%	0.455%
68	12.233	1723	1725	1727	rBV	107537	83765	2.62%	0.206%
69	12.257	1727	1729	1733	rVB2	56744	58265	1.82%	0.143%
70	12.363	1744	1747	1748	rBV2	55842	47457	1.48%	0.117%
71	12.380	1748	1750	1753	rVB	66193	58377	1.83%	0.144%

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72	12.415	1753	1756	1758	rBV	85498	81447	2.55%	0.200%
73	12.492	1765	1769	1770	rBV	158536	188432	5.89%	0.464%
74	12.515	1770	1773	1775	rVV	3057163	2949802	92.28%	7.260%
75	12.539	1775	1777	1782	rVB	3707233	3196572	100.00%	7.868%
76	12.621	1787	1791	1793	rVB	452903	387418	12.12%	0.954%
77	12.651	1793	1796	1803	rBV	1051357	1143071	35.76%	2.813%
78	12.745	1809	1812	1817	rBV2	154760	165926	5.19%	0.408%
79	12.886	1828	1836	1841	rBV	979798	1236023	38.67%	3.042%
80	13.021	1856	1859	1868	rVB	1349790	1171638	36.65%	2.884%
81	13.098	1869	1872	1876	rBV2	110339	164728	5.15%	0.405%
82	13.186	1884	1887	1889	rBV4	126107	147347	4.61%	0.363%
83	13.210	1889	1891	1896	rVV	246313	233272	7.30%	0.574%
84	13.257	1896	1899	1901	rVV2	136059	166064	5.20%	0.409%
85	13.274	1901	1902	1905	rVV	155043	121652	3.81%	0.299%
86	13.315	1907	1909	1912	rVV2	142512	133930	4.19%	0.330%
87	13.345	1912	1914	1917	rVB2	105699	96663	3.02%	0.238%
88	13.410	1923	1925	1929	rBV	85494	59523	1.86%	0.147%
89	13.521	1942	1944	1950	rBV6	58786	99118	3.10%	0.244%
90	13.598	1954	1957	1962	rBV3	123333	160934	5.03%	0.396%
91	13.862	2000	2002	2004	rVB	130349	93078	2.91%	0.229%
92	13.898	2004	2008	2009	rBV2	92364	139796	4.37%	0.344%
93	13.927	2010	2013	2019	rVB4	172524	259353	8.11%	0.638%
94	14.086	2035	2040	2042	rBV2	972877	1174616	36.75%	2.891%
95	14.109	2042	2044	2047	rVB	321437	249626	7.81%	0.614%
96	14.551	2116	2119	2123	rBV3	164623	234204	7.33%	0.576%
97	14.868	2170	2173	2176	rBV2	136850	148297	4.64%	0.365%
98	15.145	2217	2220	2227	rVB	297804	579001	18.11%	1.425%
99	15.521	2281	2284	2291	rBV	288519	437186	13.68%	1.076%
100	15.592	2292	2296	2299	rBV	579966	778725	24.36%	1.917%

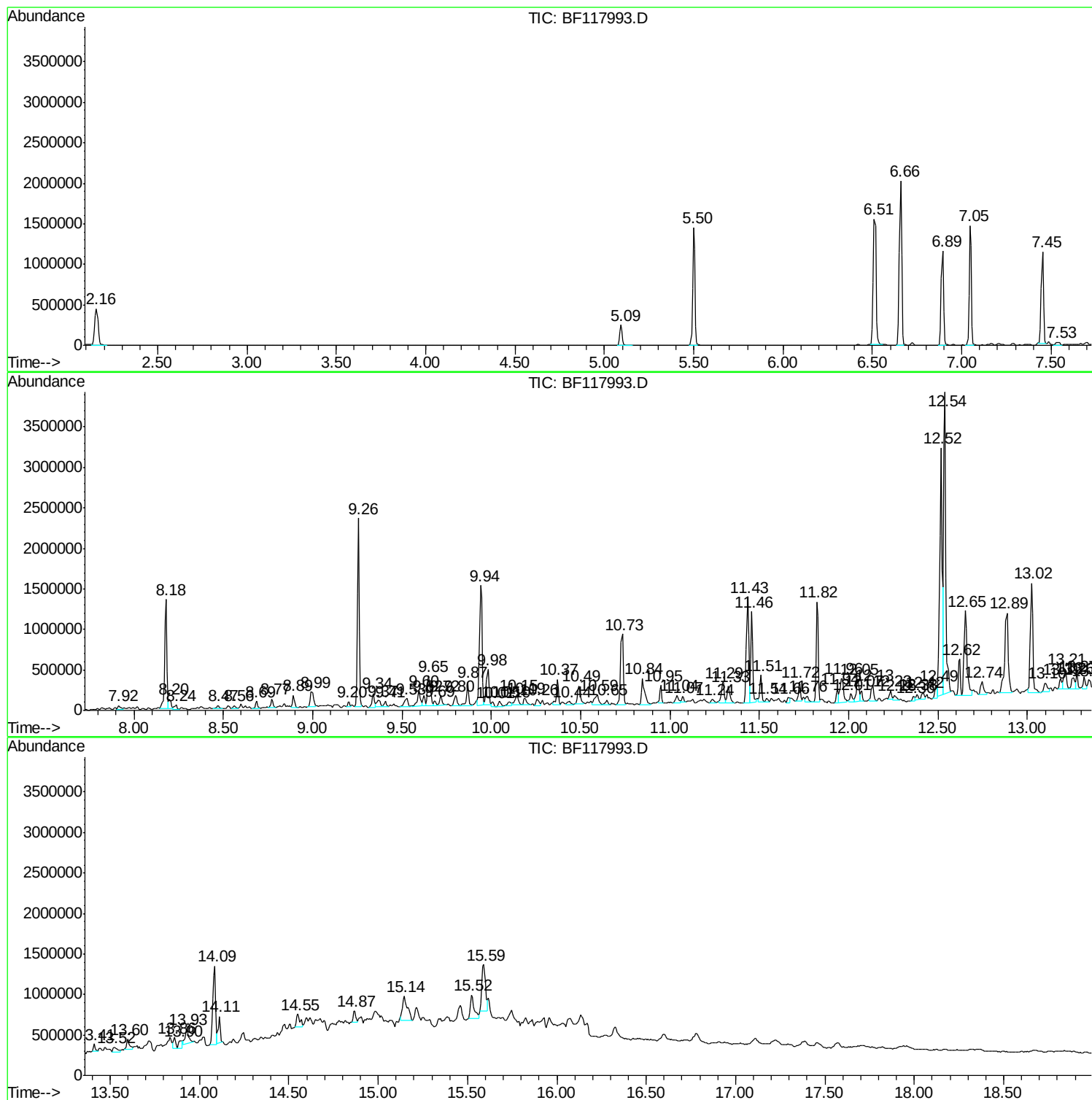
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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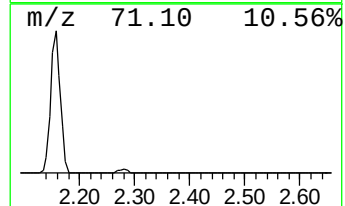
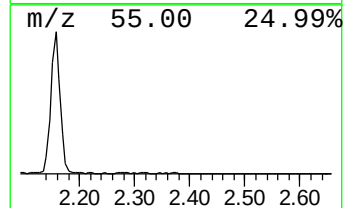
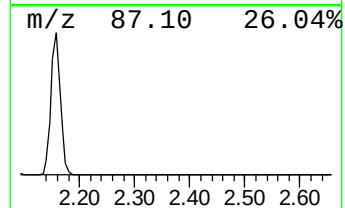
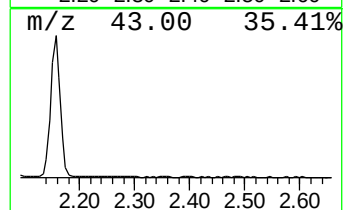
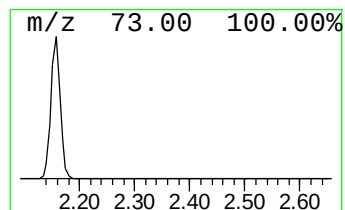
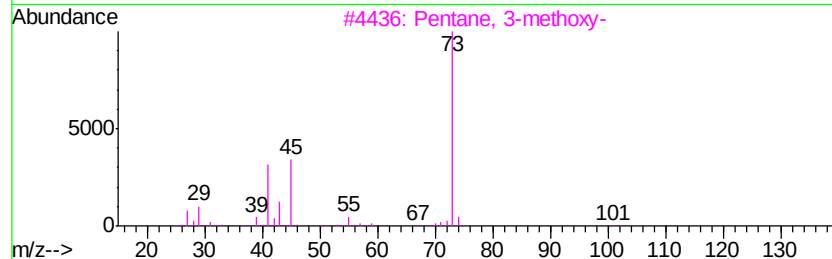
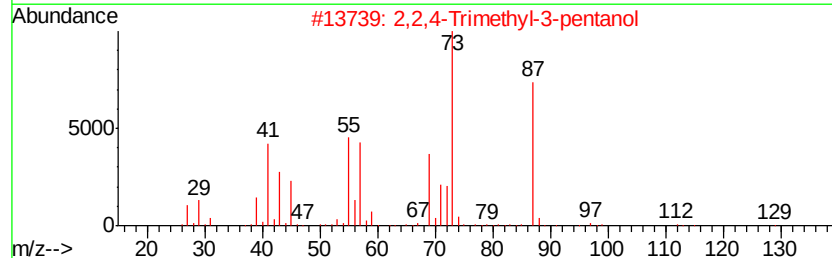
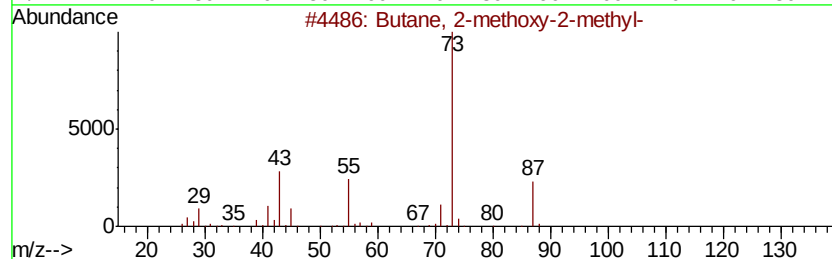
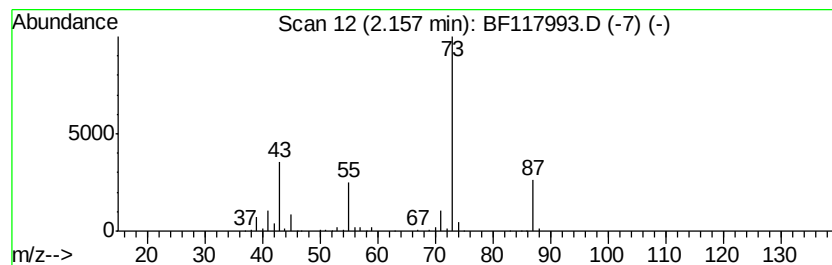
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	11.66 ng	547759	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5		Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9



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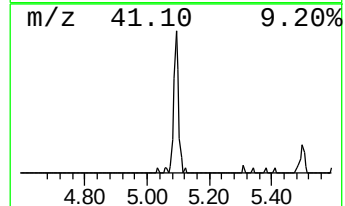
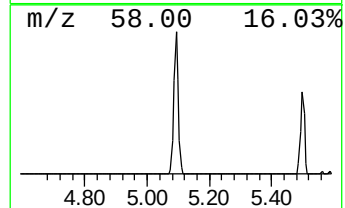
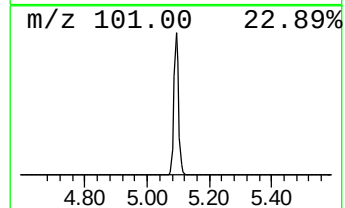
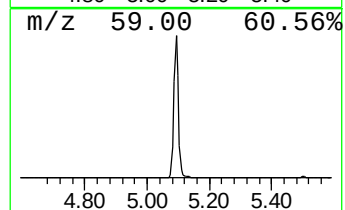
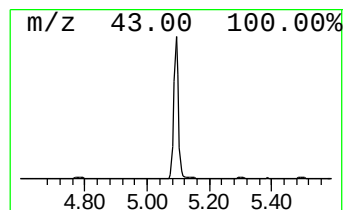
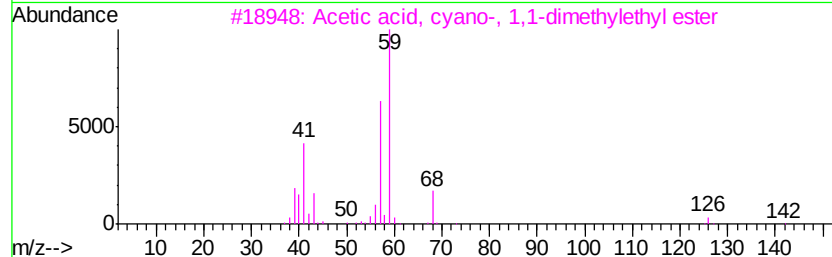
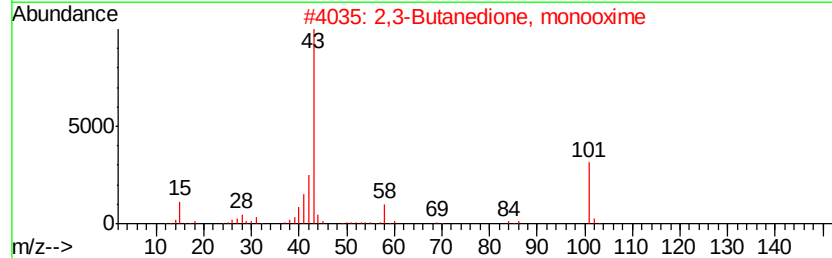
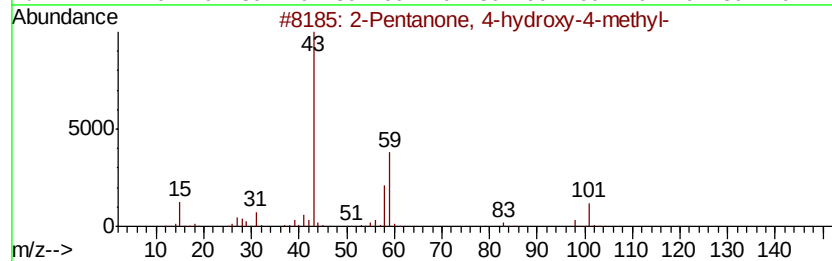
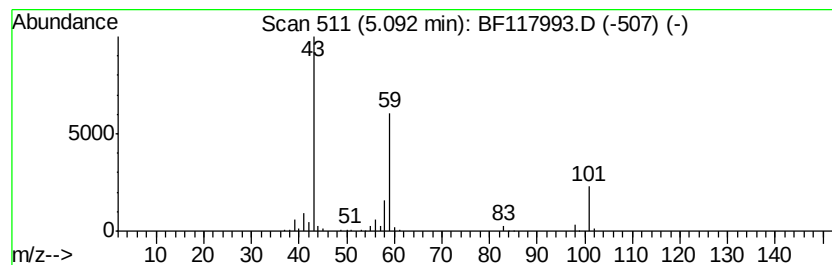
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	5.49 ng	257906	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
4		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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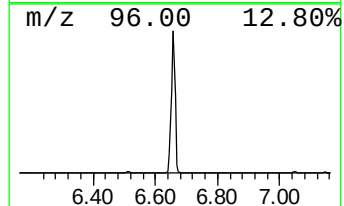
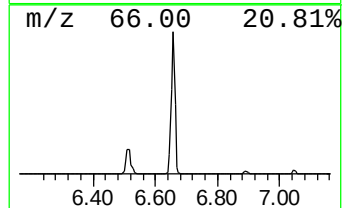
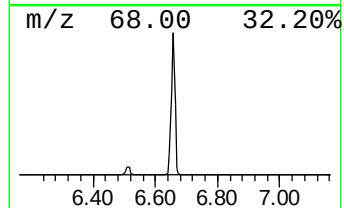
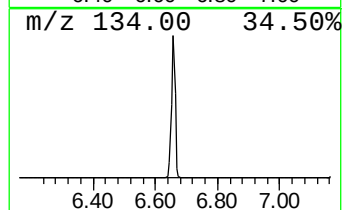
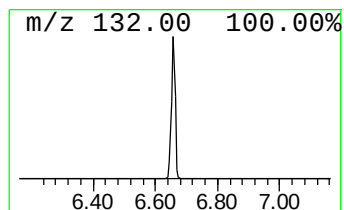
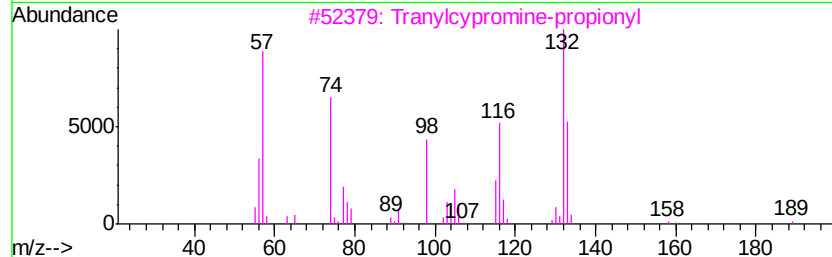
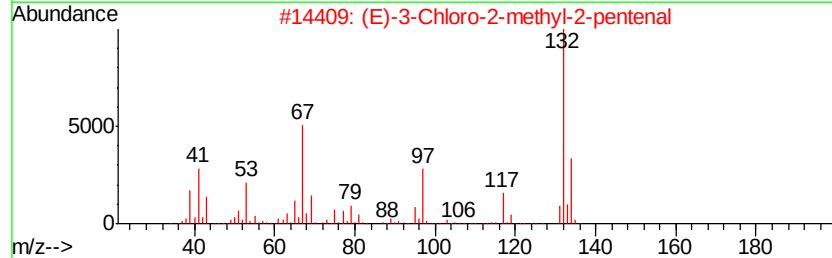
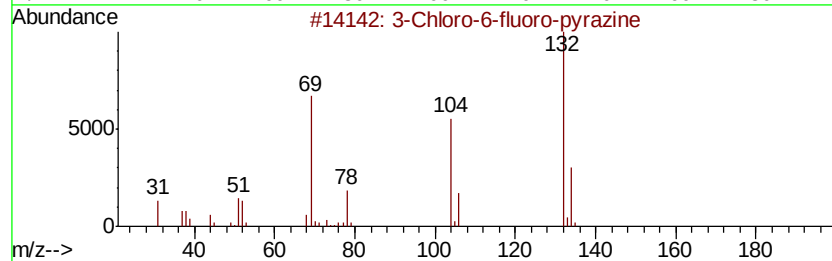
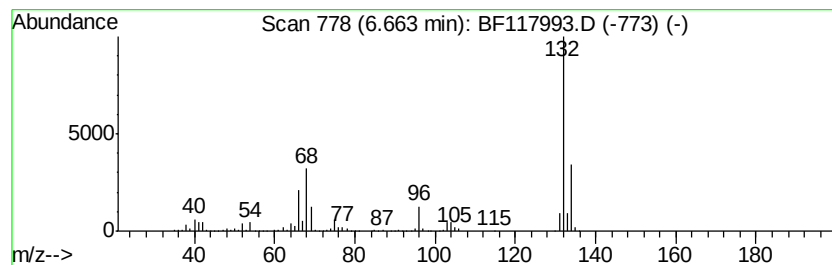
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.66 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	35.23 ng	1654670	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	16
4		5-Aminoindole	132	C8H8N2	005192-03-0	16
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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Data File : BF117993.D
Acq On : 26 Nov 2019 4:05
Operator : JU
Sample : K5676-31 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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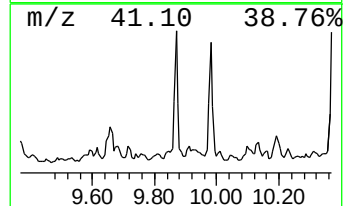
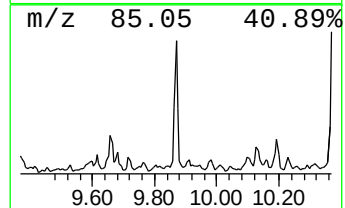
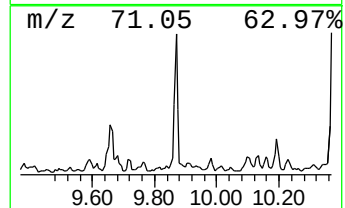
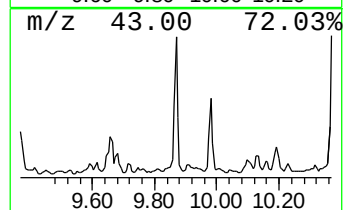
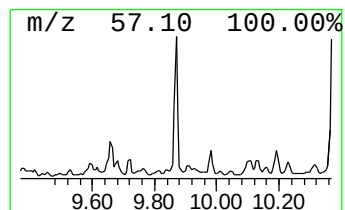
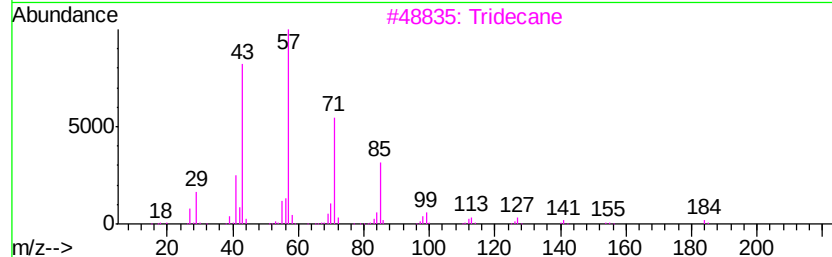
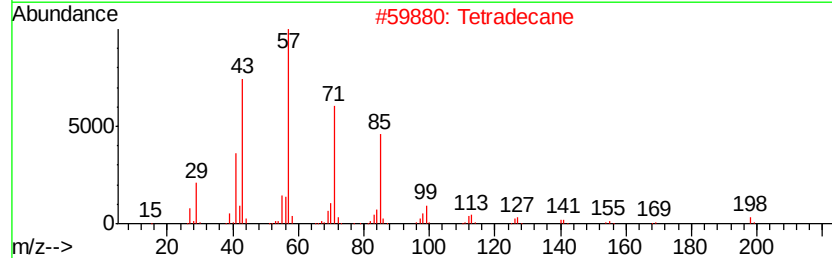
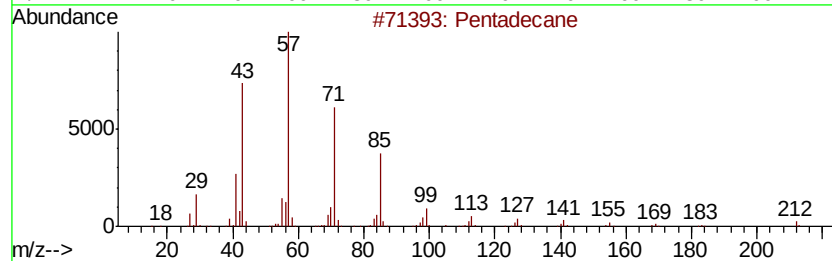
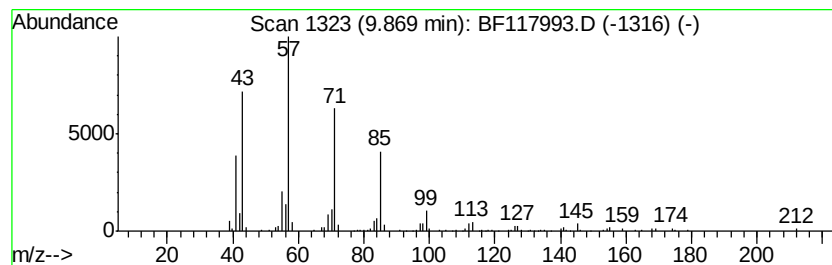
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Pentadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	4.08 ng	273477	Acenaphthene-d10	9.94

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane		212	C15H32	000629-62-9	93
2	Tetradecane		198	C14H30	000629-59-4	87
3	Tridecane		184	C13H28	000629-50-5	86
4	Decane, 2,3,5-trimethyl-		184	C13H28	062238-11-3	86
5	Hexadecane		226	C16H34	000544-76-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
Data File : BF117993.D
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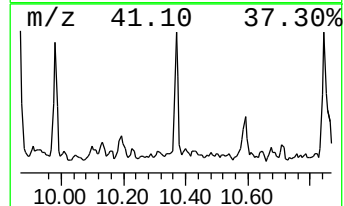
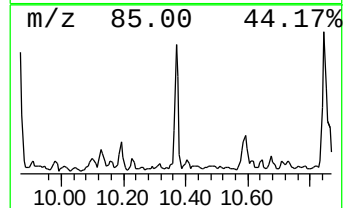
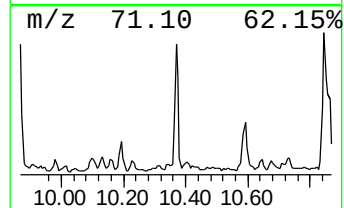
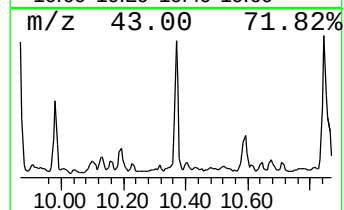
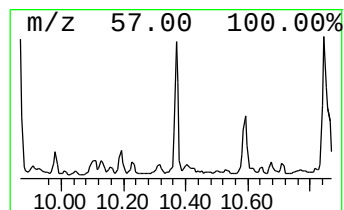
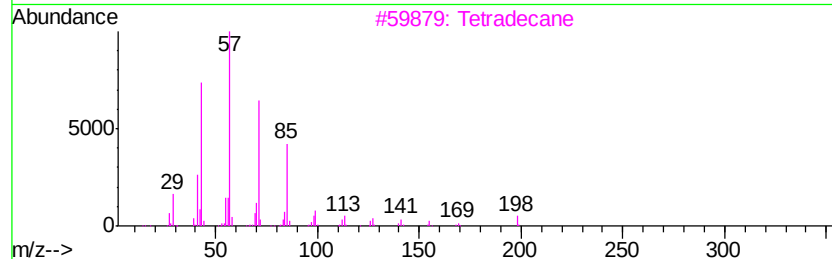
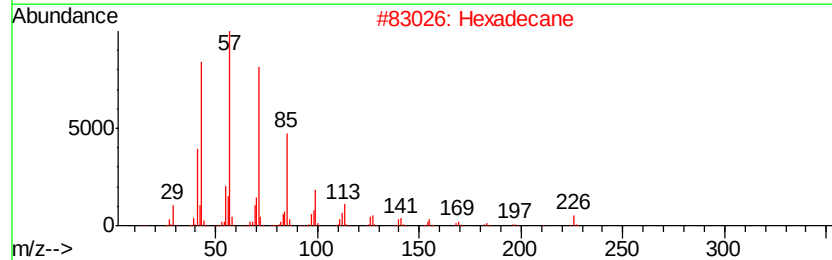
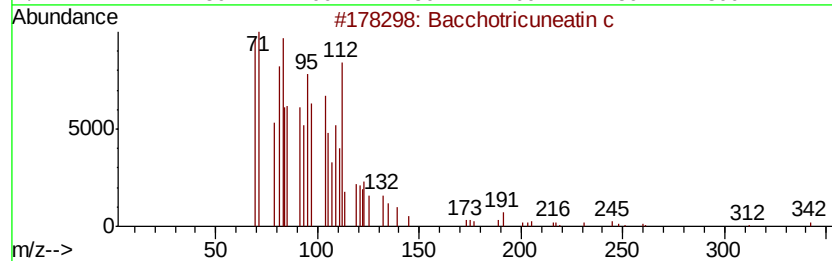
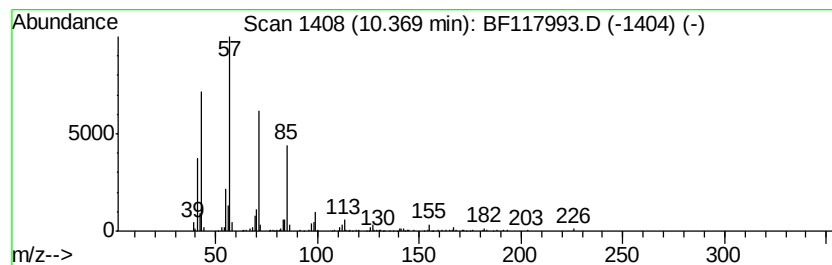
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Bacchotricuneatin c Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	3.88 ng	259467	Acenaphthene-d10	9.94

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Bacchotricuneatin c	342	C20H22O5	066563-30-2	98
2		Hexadecane	226	C16H34	000544-76-3	95
3		Tetradecane	198	C14H30	000629-59-4	91
4		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
5		Pentadecane	212	C15H32	000629-62-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
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Acq On : 26 Nov 2019 4:05
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Sample : K5676-31 2X
Misc :
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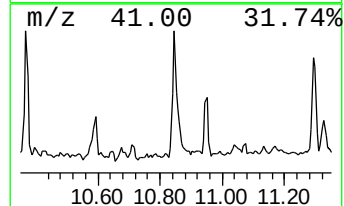
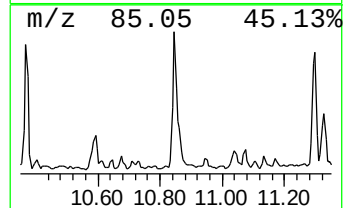
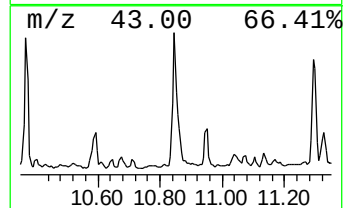
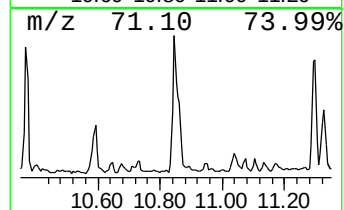
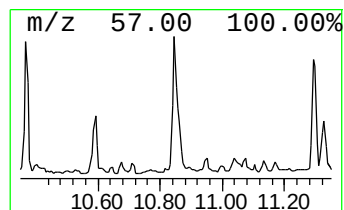
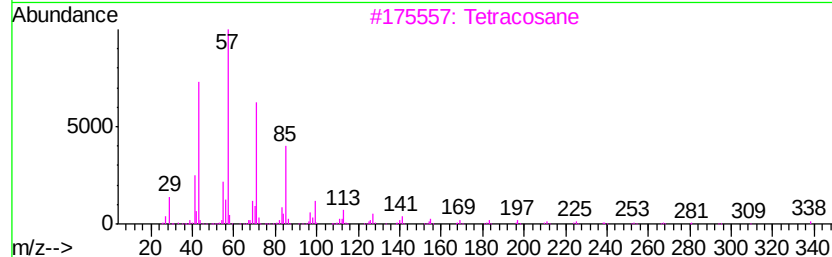
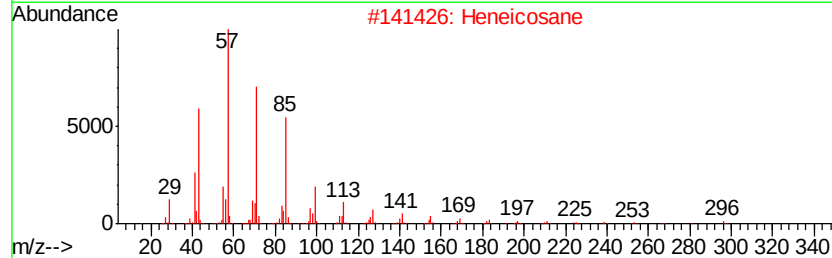
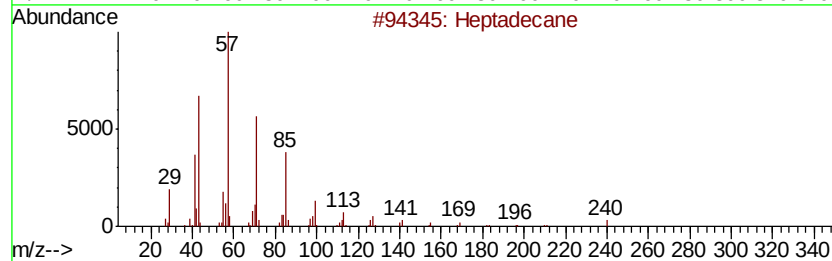
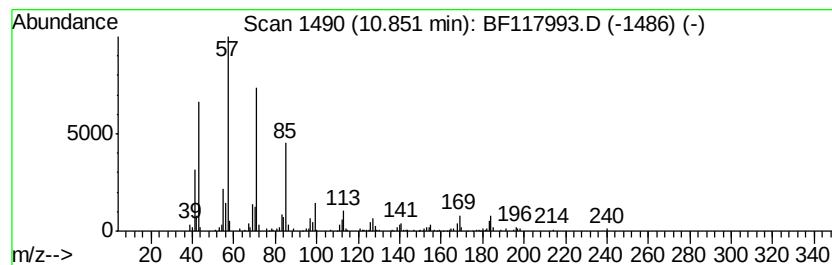
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.85	7.12 ng	392293	Phenanthrene-d10		11.43
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
5	Eicosane	282	C20H42	000112-95-8	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
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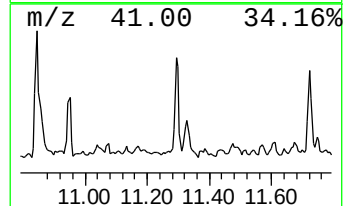
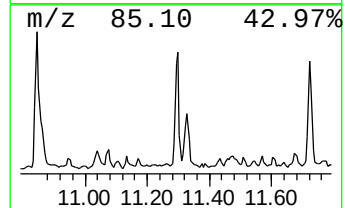
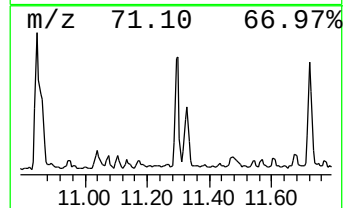
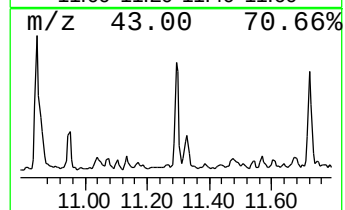
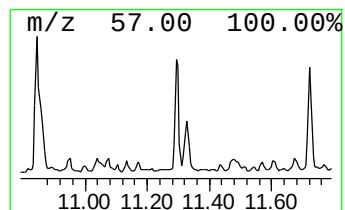
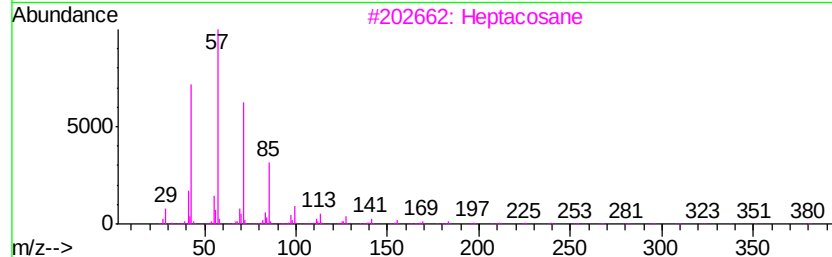
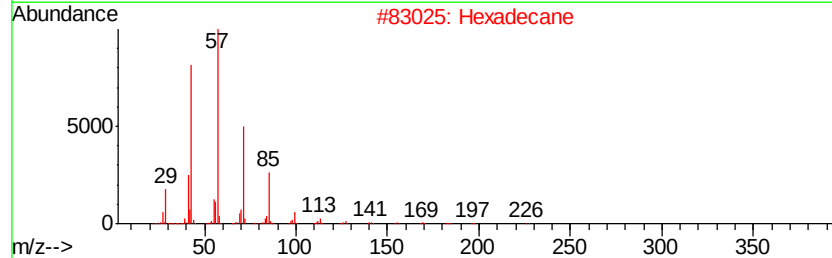
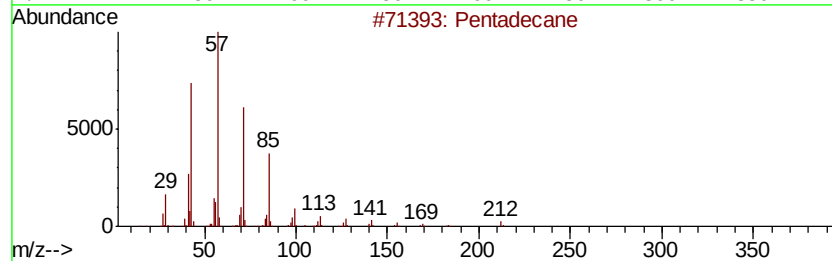
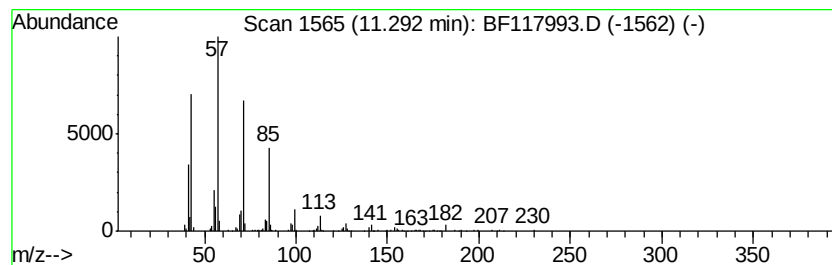
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.29	4.77 ng	262730	Phenanthrene-d10		11.43		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	90
2			Hexadecane	226	C16H34	000544-76-3	90
3			Heptacosane	380	C27H56	000593-49-7	90
4			Eicosane	282	C20H42	000112-95-8	87
5			2-Bromo dodecane	248	C12H25Br	013187-99-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
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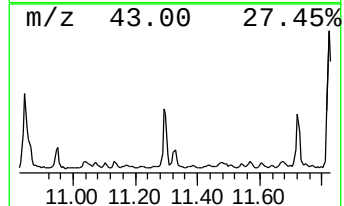
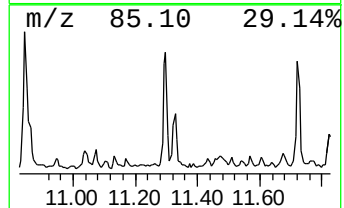
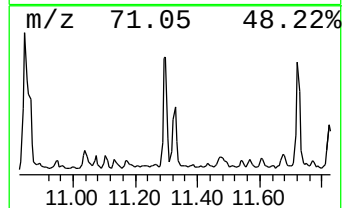
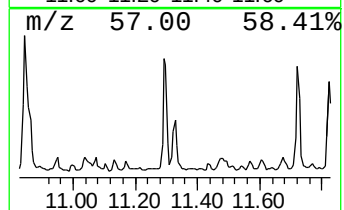
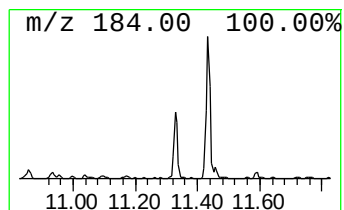
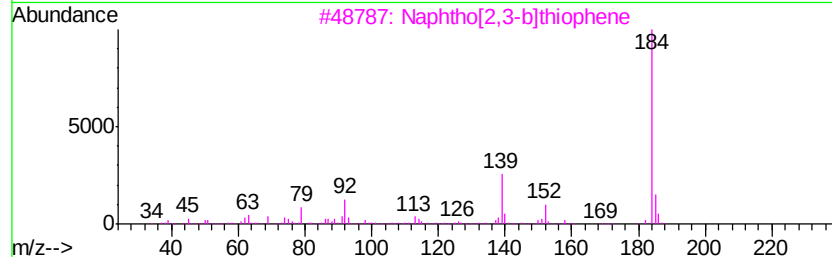
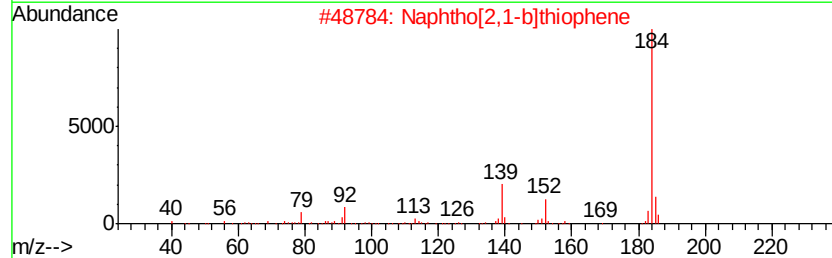
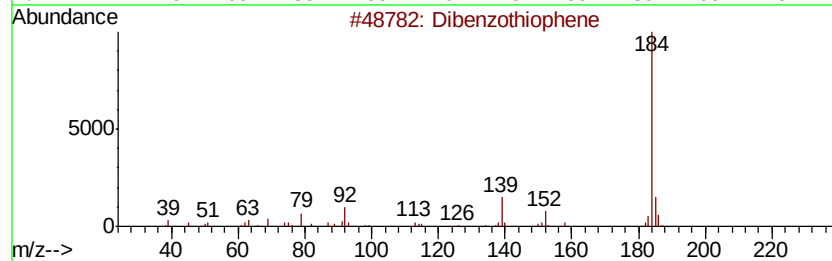
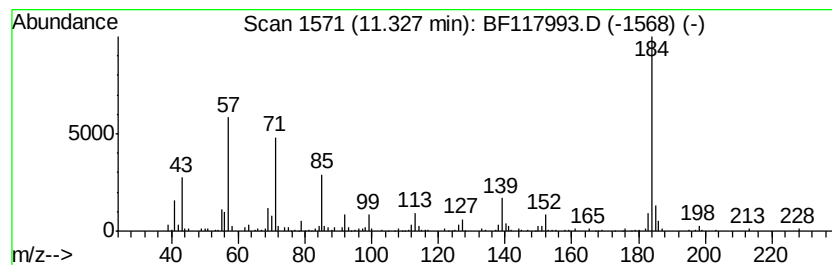
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphtho[2,1-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.33	4.03 ng	221956	Phenanthrene-d10		11.43	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	78
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	60
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	55
4		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	55
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	53



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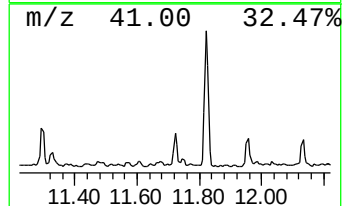
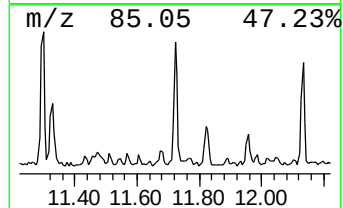
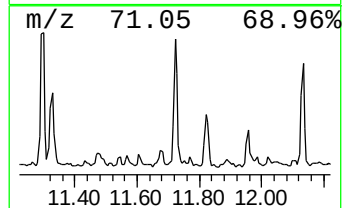
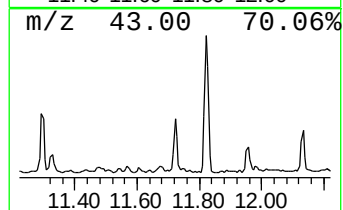
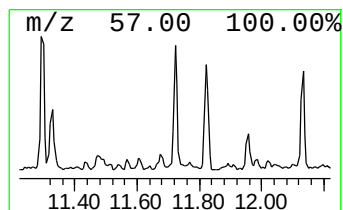
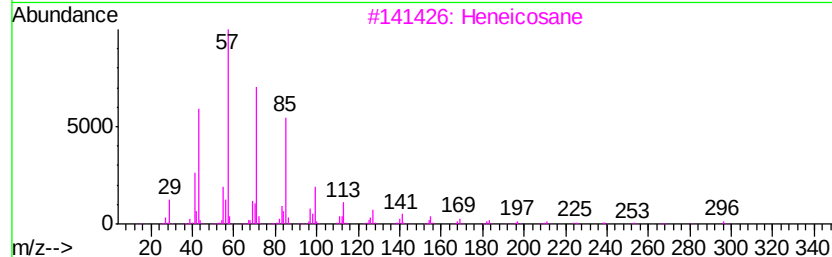
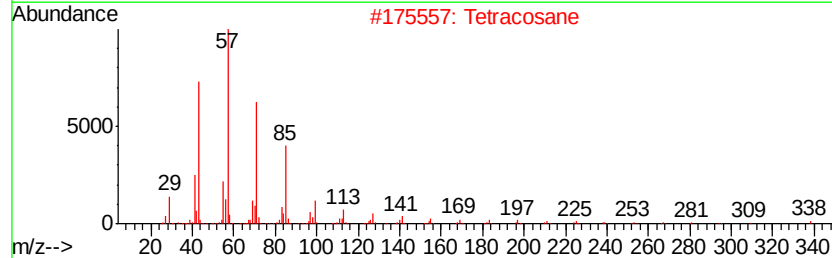
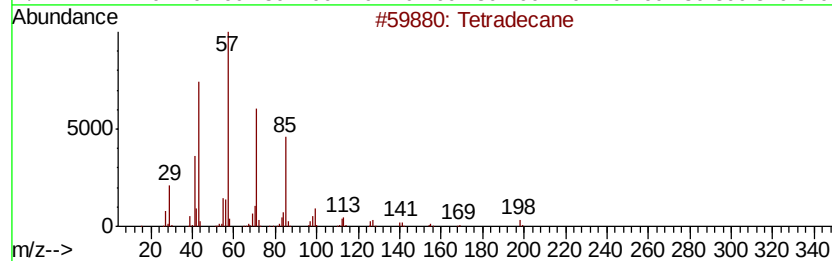
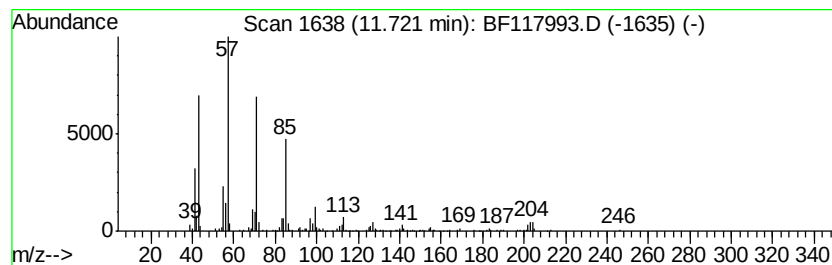
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Tetradeane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	3.75 ng	206860	Phenanthrene-d10	11.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	90
2			Tetracosane	338	C24H50	000646-31-1	87
3			Heneicosane	296	C21H44	000629-94-7	87
4			Octadecane	254	C18H38	000593-45-3	87
5			Pentadecane	212	C15H32	000629-62-9	87



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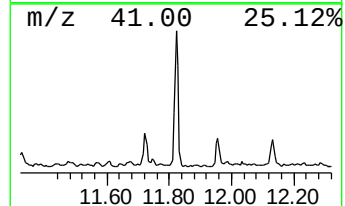
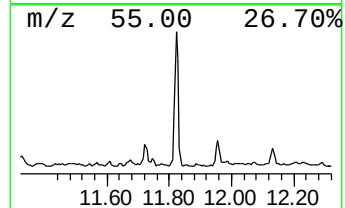
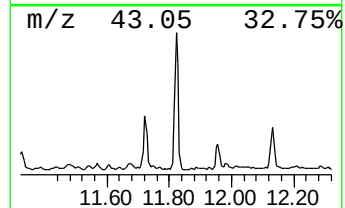
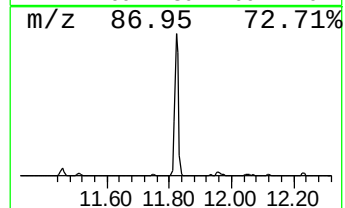
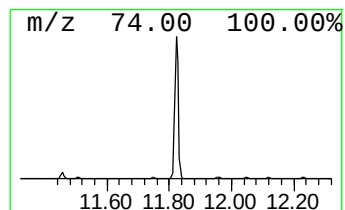
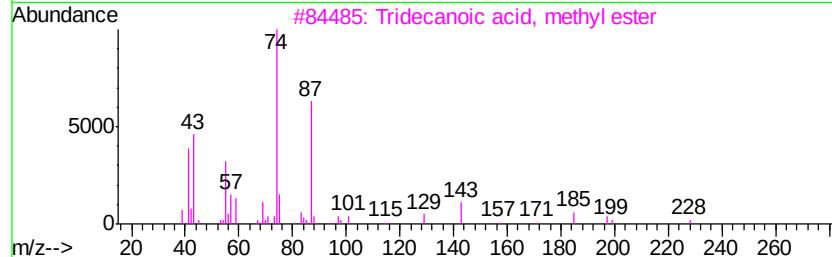
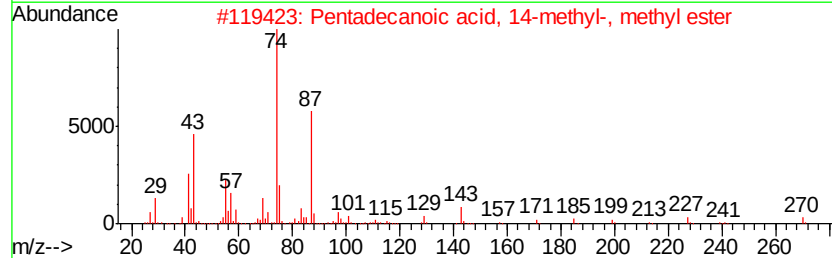
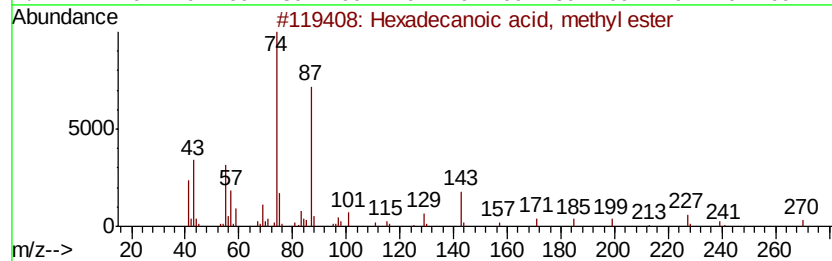
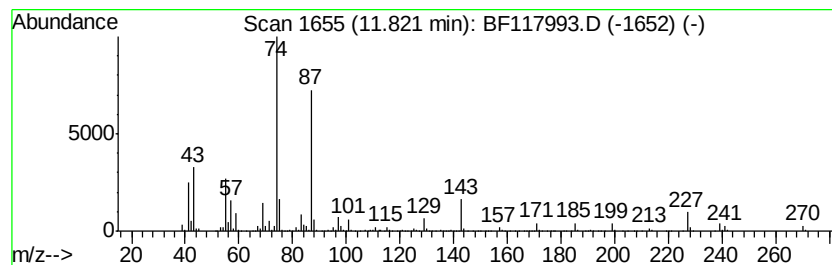
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	19.36 ng	1067280	Phenanthrene-d10	11.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	99
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	94
3		Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
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\BF112519\
Data File : BF117993.D
Acq On : 26 Nov 2019 4:05
Operator : JU
Sample : K5676-31 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-112219

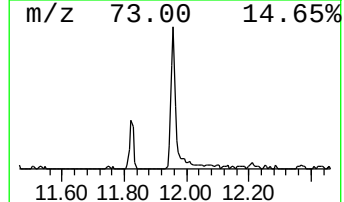
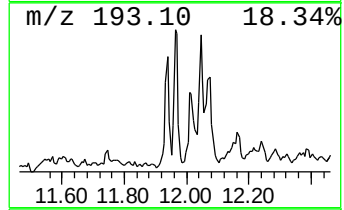
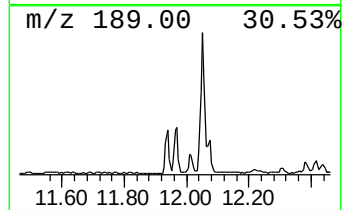
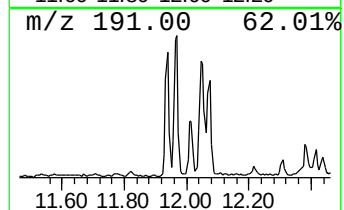
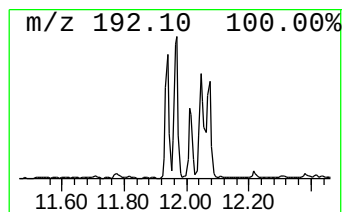
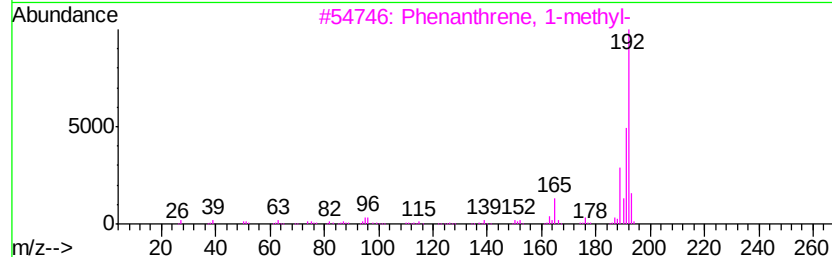
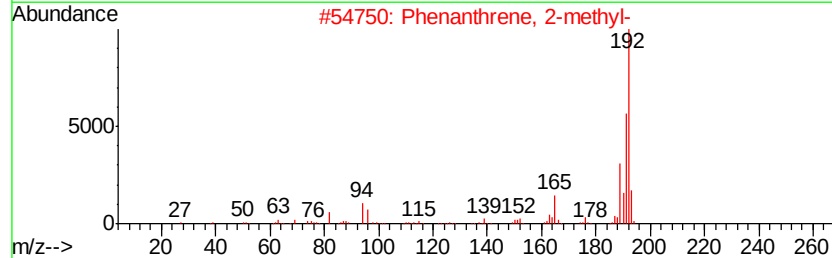
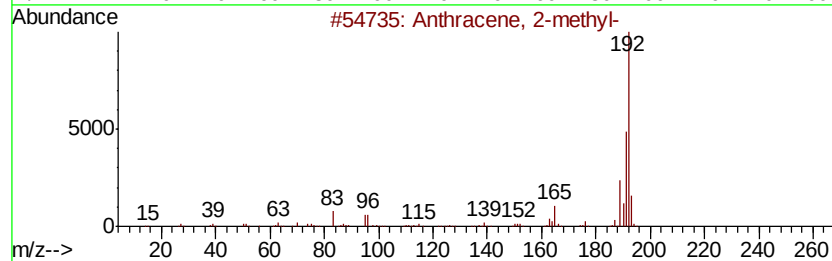
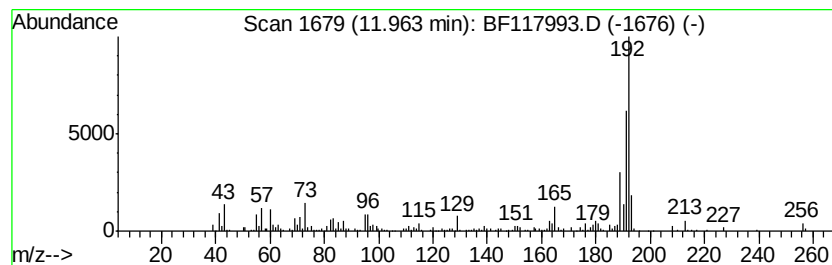
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	7.39 ng	407443	Phenanthrene-d10	11.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
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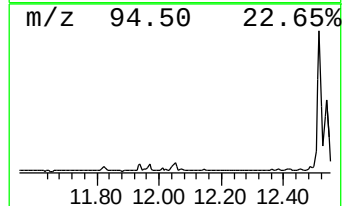
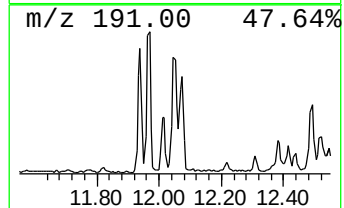
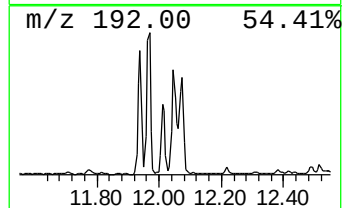
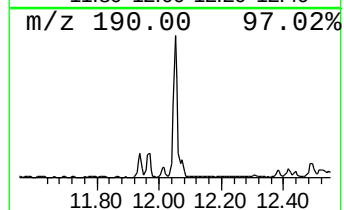
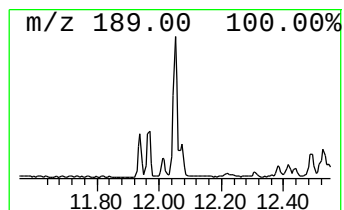
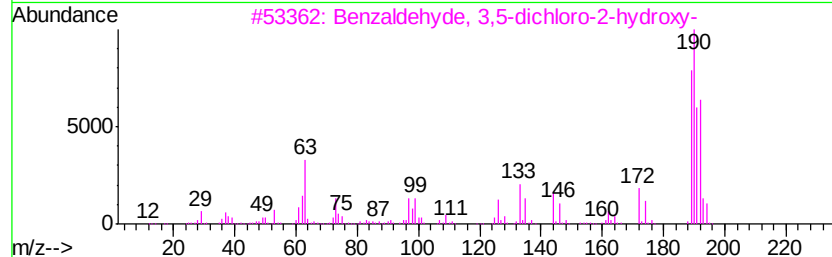
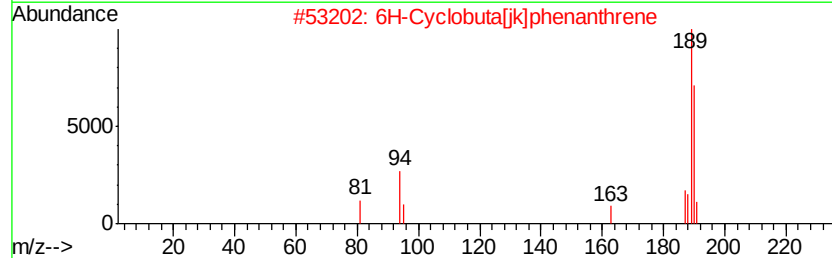
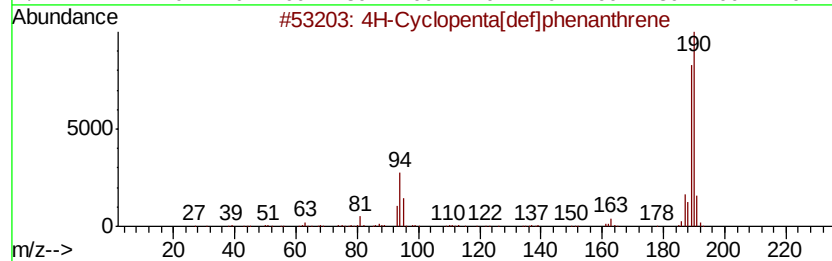
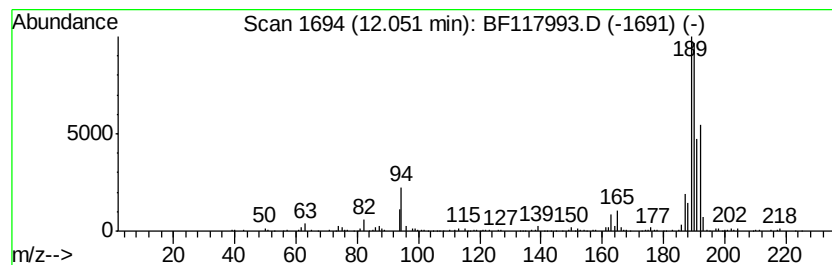
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.05	5.54 ng	305365	Phenanthrene-d10	11.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	Benzene, 1,1'-(1,2-propadienyld...	192	C15H12	014251-57-1	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
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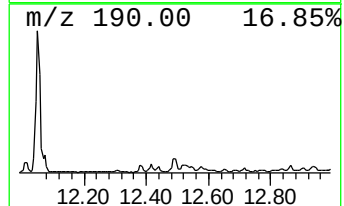
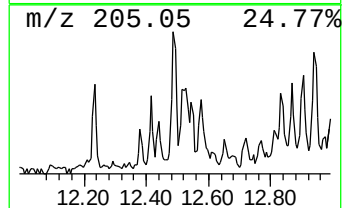
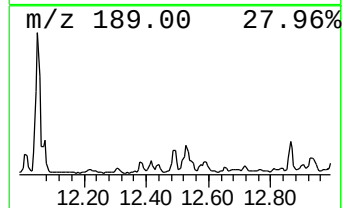
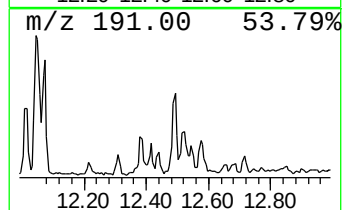
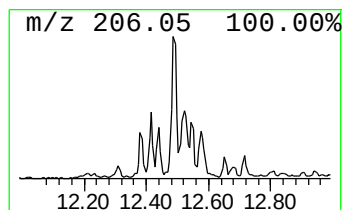
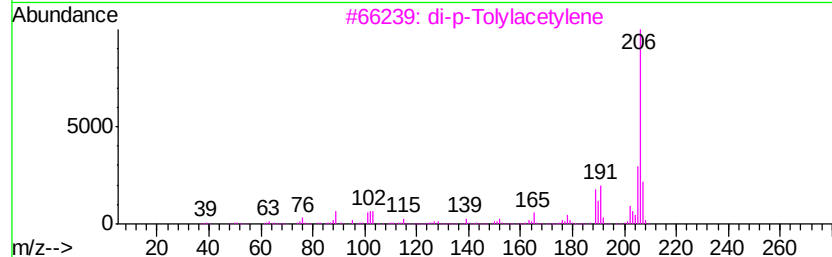
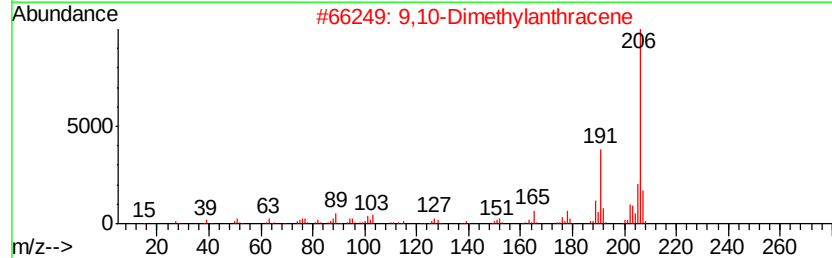
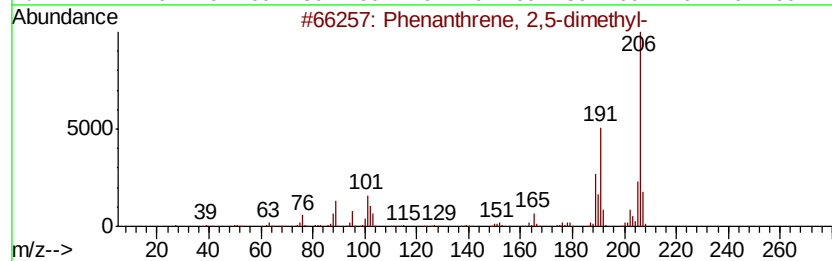
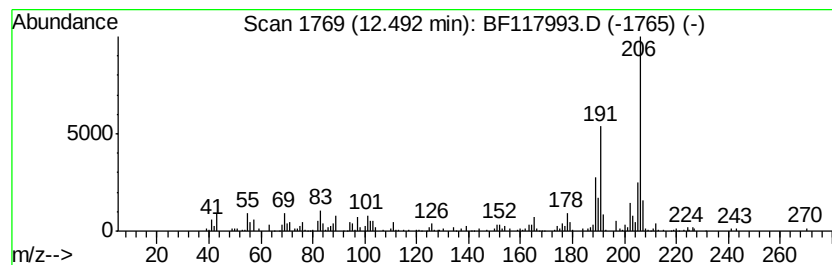
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.49	3.42 ng	188432	Phenanthrene-d10		11.43
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
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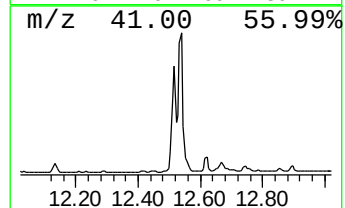
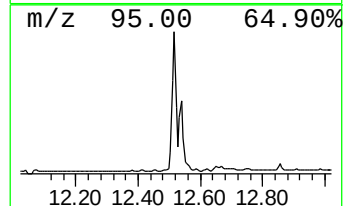
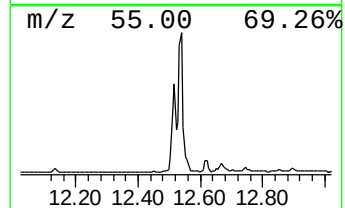
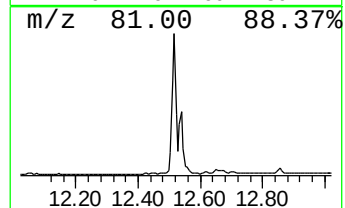
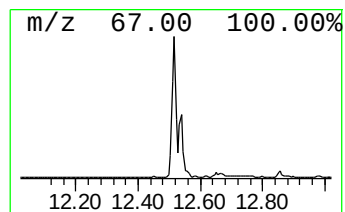
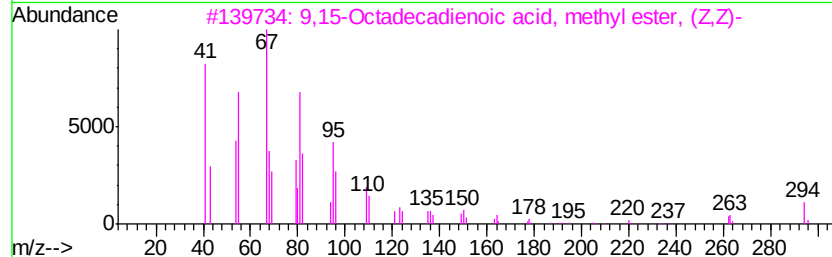
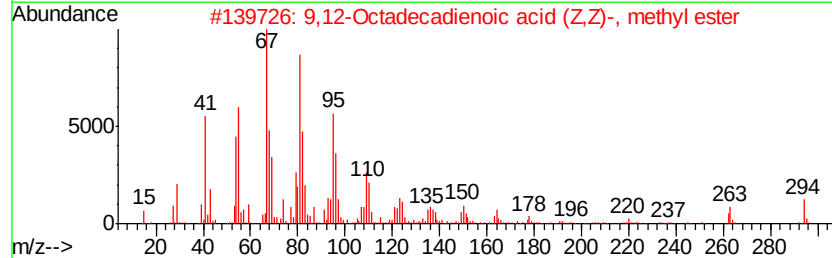
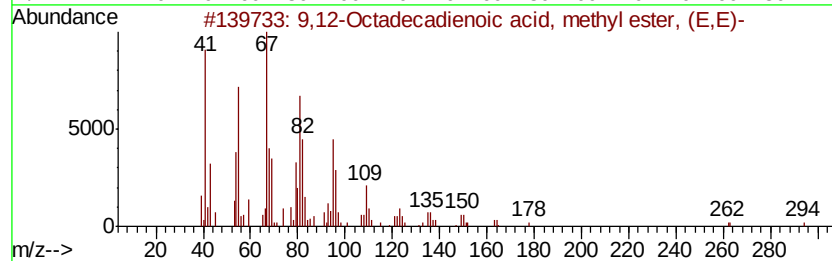
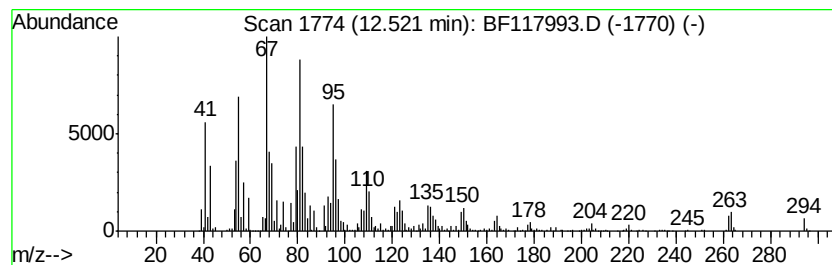
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	53.51 ng	2949800	Phenanthrene-d10	11.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2		9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3		9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4		9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5		10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
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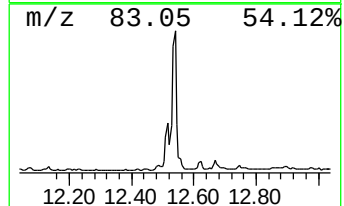
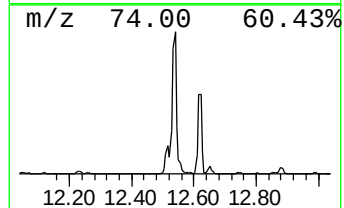
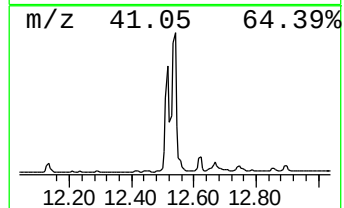
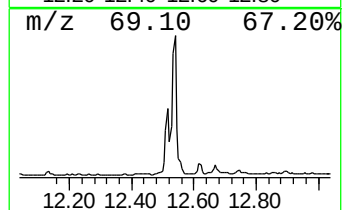
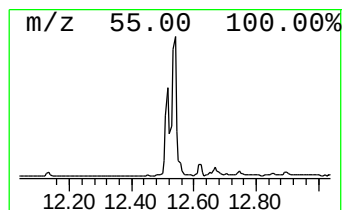
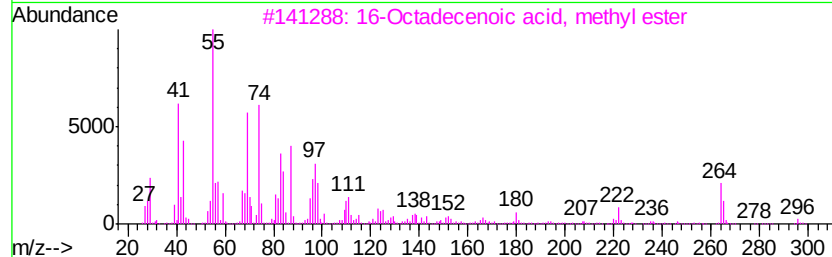
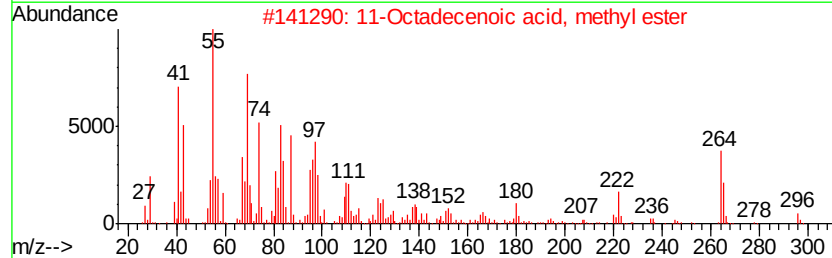
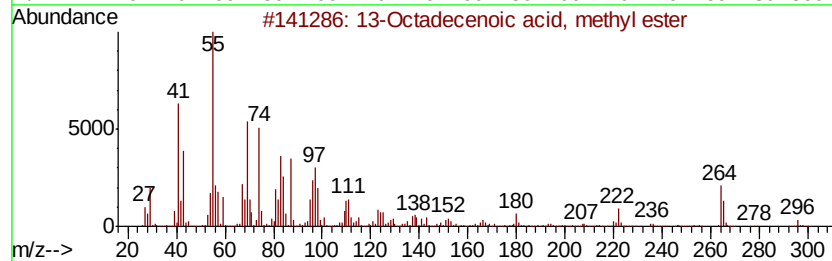
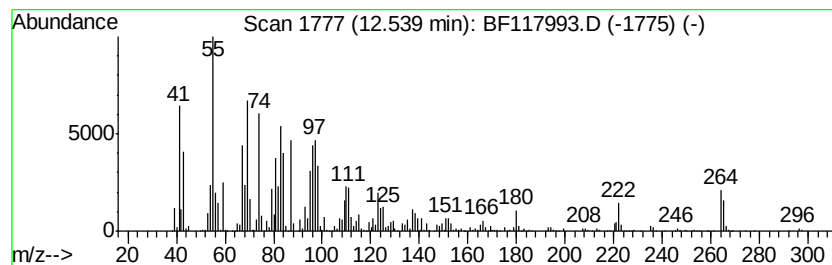
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 13-Octadecenoic acid, methyl ester Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.54	57.98 ng	3196570	Phenanthrene-d10	11.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
2	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
3	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
4	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
5	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99



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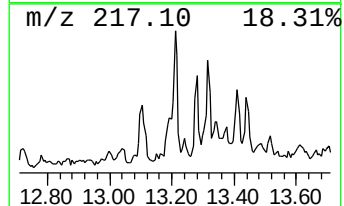
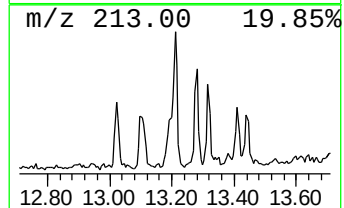
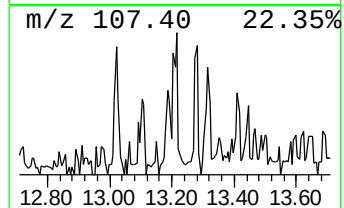
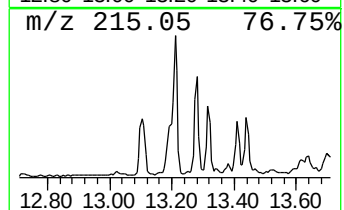
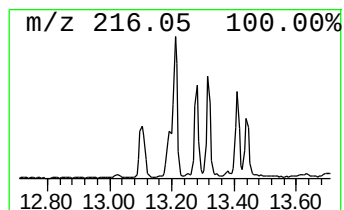
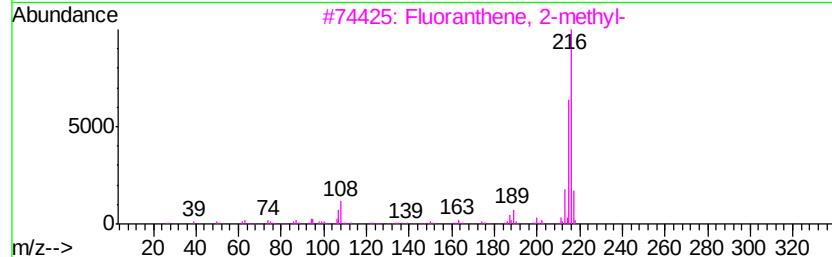
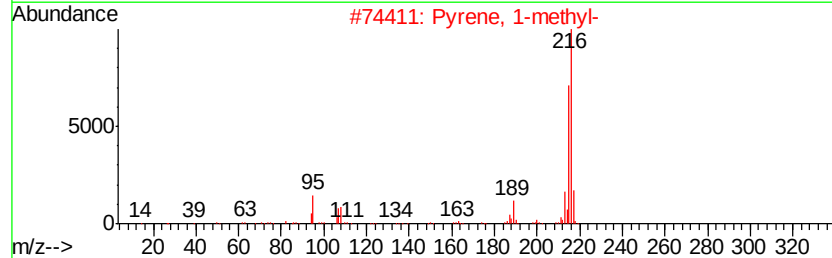
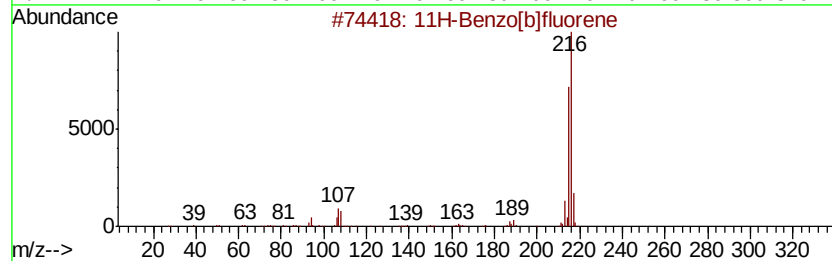
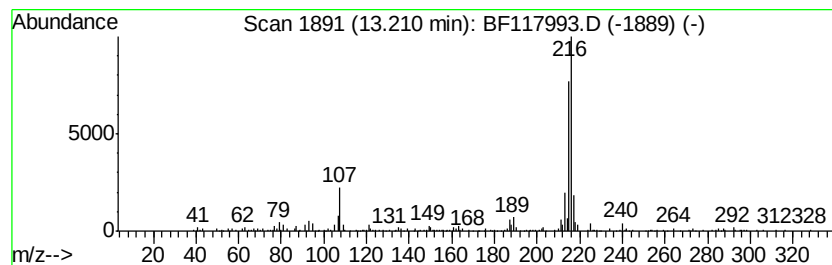
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	3.97 ng	233272	Chrysene-d12	14.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



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ALS Vial : 20 Sample Multiplier: 1

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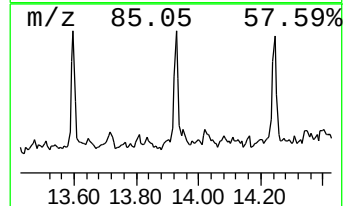
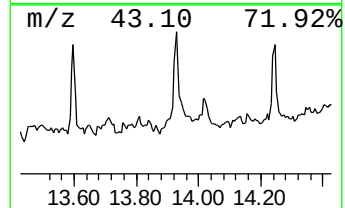
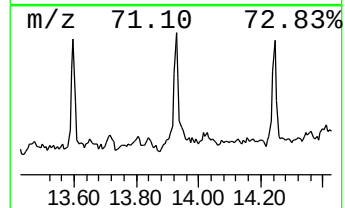
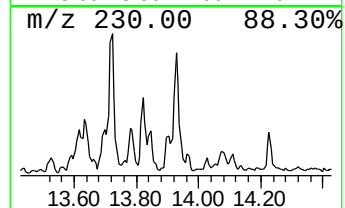
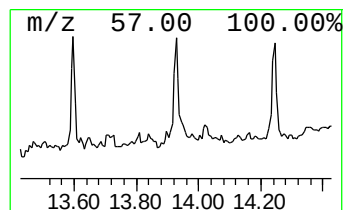
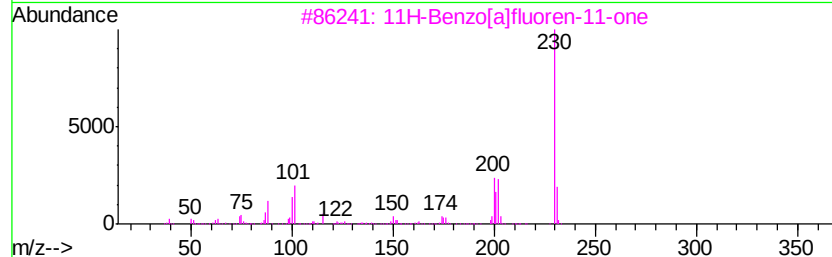
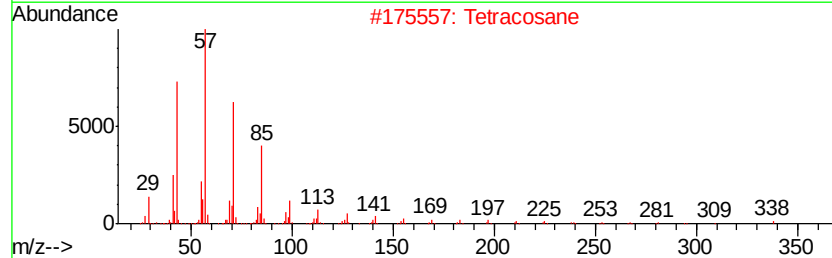
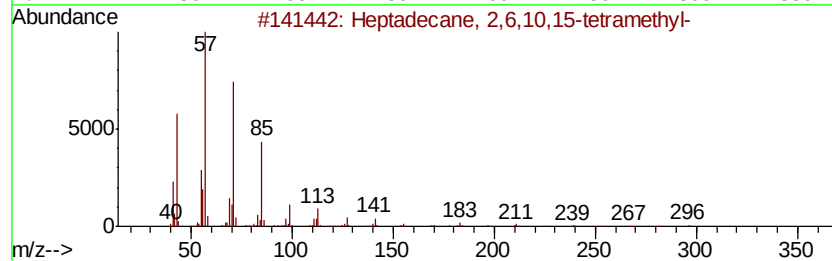
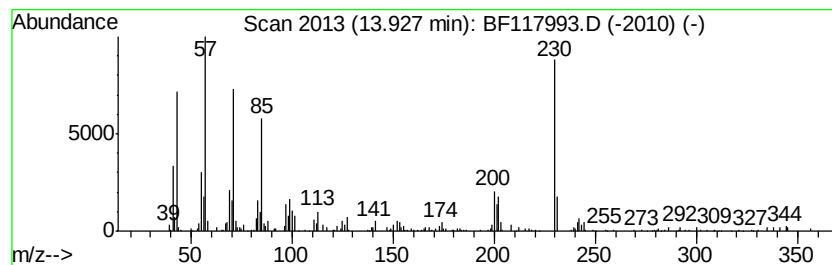
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Heptadecane, 2,6,10,15-tetr... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	4.42 ng	259353	Chrysene-d12	14.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	70
2		Tetracosane	338	C24H50	000646-31-1	70
3		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	60
4		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	50
5		Pentadecane	212	C15H32	000629-62-9	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
Data File : BF117993.D
Acq On : 26 Nov 2019 4:05
Operator : JU
Sample : K5676-31 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

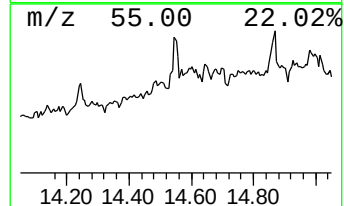
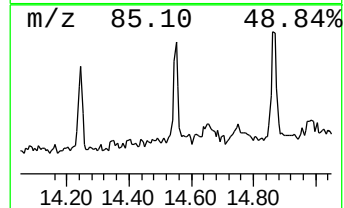
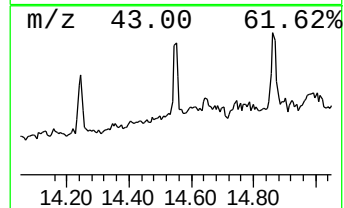
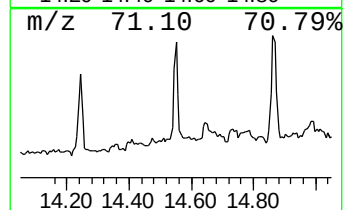
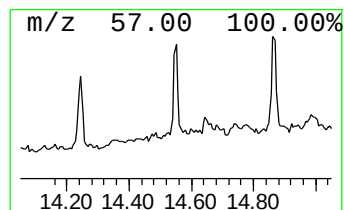
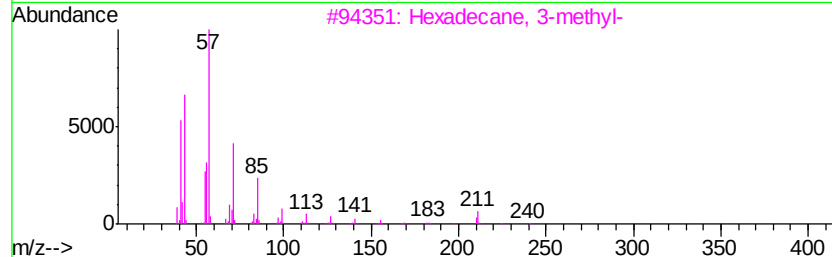
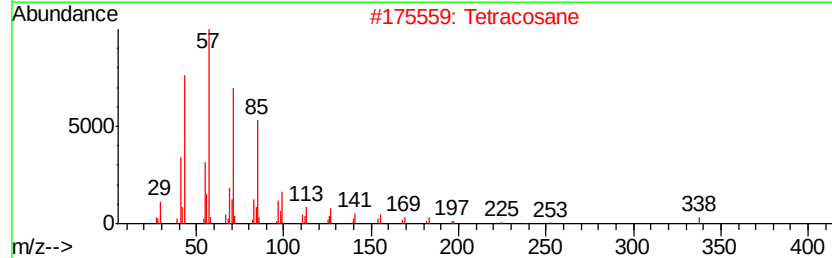
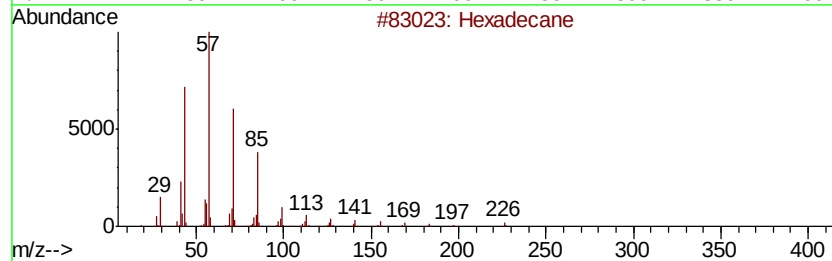
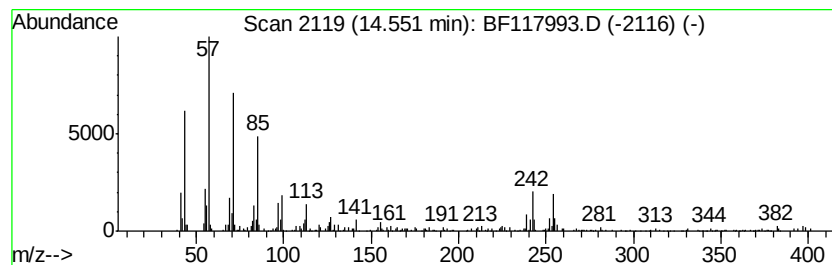
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hexadecane, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	3.99 ng	234204	Chrysene-d12	14.09
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	90
2	Tetracosane	338 C24H50	000646-31-1	70
3	Hexadecane, 3-methyl-	240 C17H36	006418-43-5	70
4	Pentacosane	352 C25H52	000629-99-2	70
5	Heneicosane	296 C21H44	000629-94-7	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
Data File : BF117993.D
Acq On : 26 Nov 2019 4:05
Operator : JU
Sample : K5676-31 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

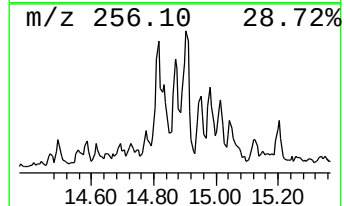
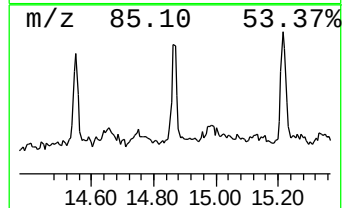
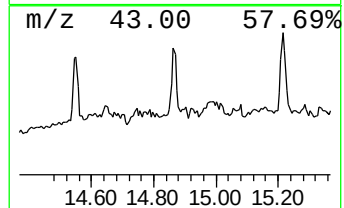
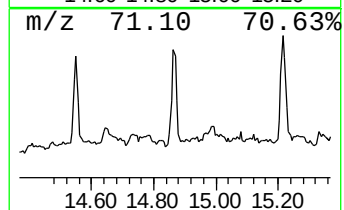
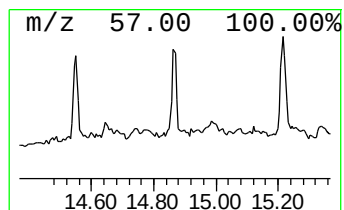
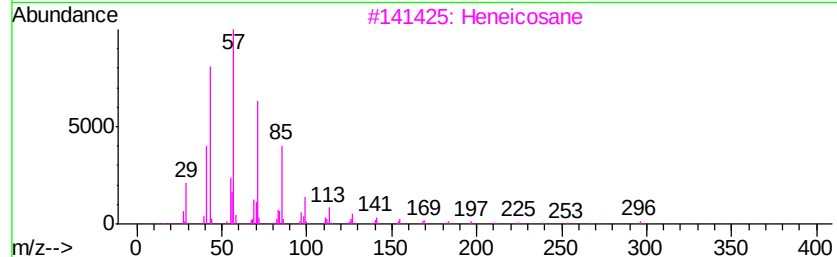
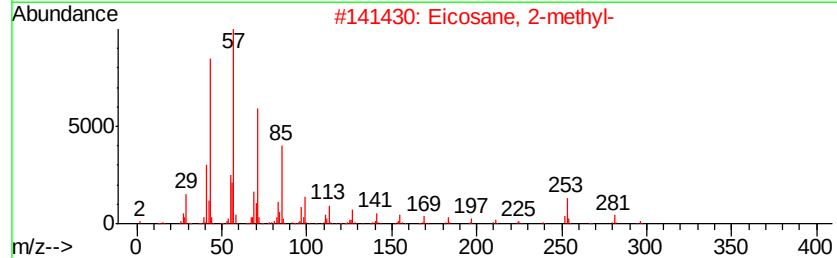
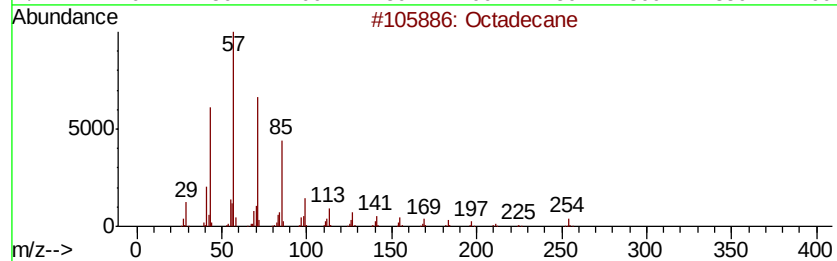
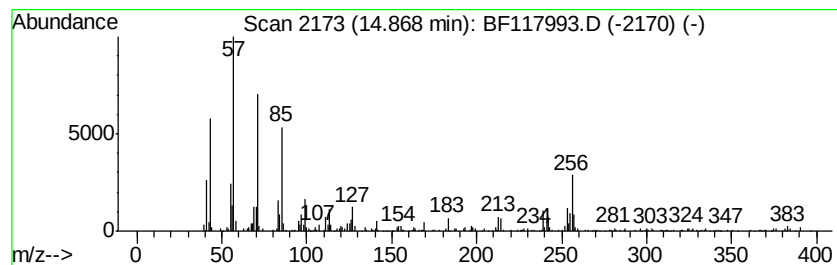
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Eicosane, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	3.81 ng	148297	Perylene-d12	15.59
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Octadecane	254 C18H38	000593-45-3 78
2		Eicosane, 2-methyl-	296 C21H44	001560-84-5 78
3		Heneicosane	296 C21H44	000629-94-7 78
4		Triacontane	422 C30H62	000638-68-6 49
5		Tetracosane	338 C24H50	000646-31-1 49



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112519\
 Data File : BF117993.D
 Acq On : 26 Nov 2019 4:05
 Operator : JU
 Sample : K5676-31 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-112219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	2.16	11.7	ng	547759	1	6.89	939358	20.0
2-Pentanone, 4-hy...	5.09	5.5	ng	257906	1	6.89	939358	20.0
unknown6.66	6.66	35.2	ng	1654670	1	6.89	939358	20.0
Pentadecane	9.87	4.1	ng	273477	3	9.94	1338950	20.0
Bacchotricuneatin c	10.37	3.9	ng	259467	3	9.94	1338950	20.0
Heptadecane	10.85	7.1	ng	392293	4	11.43	1102620	20.0
Hexadecane	11.29	4.8	ng	262730	4	11.43	1102620	20.0
Naphtho[2,1-b]thi...	11.33	4.0	ng	221956	4	11.43	1102620	20.0
Tetradecane	11.72	3.8	ng	206860	4	11.43	1102620	20.0
Hexadecanoic acid...	11.82	19.4	ng	1067280	4	11.43	1102620	20.0
Anthracene, 2-met...	11.96	7.4	ng	407443	4	11.43	1102620	20.0
4H-Cyclopenta[def...	12.05	5.5	ng	305365	4	11.43	1102620	20.0
Phenanthrene, 2,5...	12.49	3.4	ng	188432	4	11.43	1102620	20.0
9,12-Octadecadien...	12.52	53.5	ng	2949800	4	11.43	1102620	20.0
13-Octadecenoic a...	12.54	58.0	ng	3196570	4	11.43	1102620	20.0
11H-Benzo[b]fluorene	13.21	4.0	ng	233272	5	14.09	1174620	20.0
Heptadecane, 2,6,...	13.93	4.4	ng	259353	5	14.09	1174620	20.0
Hexadecane, 3-met...	14.55	4.0	ng	234204	5	14.09	1174620	20.0
Eicosane, 2-methyl-	14.87	3.8	ng	148297	6	15.59	778725	20.0