

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101839.D
 Acq On : 29 Dec 2017 19:47
 Operator : SJ/JU
 Sample : I7034-15
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TB-12(5.5-7.5)

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:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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	4.998	492	495	508	rBV	14740	39185	4.42%	0.308%
2	5.422	564	567	592	rBV	206291	527953	59.56%	4.149%
3	6.451	739	742	759	rBV	238700	586302	66.14%	4.608%
4	6.569	759	762	776	rVB	439693	644883	72.75%	5.068%
5	6.787	795	799	806	rBV	684961	737731	83.22%	5.798%
6	6.845	806	809	814	rVB3	28367	37369	4.22%	0.294%
7	6.940	822	825	839	rVB	431155	474964	53.58%	3.733%
8	7.363	894	897	920	rBV	178294	322372	36.37%	2.534%
9	7.804	968	972	975	rBV3	22624	26247	2.96%	0.206%
10	8.034	1008	1011	1013	rBV	44383	34483	3.89%	0.271%
11	8.069	1013	1017	1023	rBV	857043	886458	100.00%	6.967%
12	8.345	1056	1064	1068	rBV5	26195	39227	4.43%	0.308%
13	8.469	1082	1085	1087	rBV	39774	27736	3.13%	0.218%
14	8.569	1098	1102	1104	rBV3	12282	17234	1.94%	0.135%
15	8.639	1112	1114	1117	rBV	54353	48410	5.46%	0.380%
16	8.734	1127	1130	1136	rVB6	16800	28607	3.23%	0.225%
17	8.792	1138	1140	1144	rBV3	24323	28005	3.16%	0.220%
18	8.886	1153	1156	1160	rBV2	33361	40035	4.52%	0.315%
19	8.957	1166	1168	1173	rVB4	14190	18379	2.07%	0.144%
20	9.004	1173	1176	1180	rBV3	26509	25042	2.82%	0.197%
21	9.069	1185	1187	1190	rBV	54906	43919	4.95%	0.345%
22	9.139	1196	1199	1206	rBV	695580	602234	67.94%	4.733%
23	9.204	1207	1210	1214	rVB	111571	104309	11.77%	0.820%
24	9.251	1216	1218	1222	rBV4	16524	18248	2.06%	0.143%
25	9.410	1241	1245	1250	rBV2	110410	124618	14.06%	0.979%
26	9.486	1255	1258	1260	rVV	43107	46108	5.20%	0.362%
27	9.522	1260	1264	1266	rVV2	97601	122612	13.83%	0.964%
28	9.545	1266	1268	1273	rVB2	42180	44787	5.05%	0.352%
29	9.604	1276	1278	1285	rVB6	30633	64452	7.27%	0.507%
30	9.675	1285	1290	1292	rBV4	31567	49180	5.55%	0.387%
31	9.733	1298	1300	1305	rVB	127371	105299	11.88%	0.828%
32	9.822	1312	1315	1319	rBV	852281	767905	86.63%	6.035%
33	9.857	1319	1321	1328	rVB	64161	83001	9.36%	0.652%
34	9.928	1330	1333	1336	rBV5	15709	20112	2.27%	0.158%

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35	9.969	1337	1340	1342	rBV5	17611	20664	2.33%	0.162%
36	9.992	1342	1344	1347	rVB2	22464	17504	1.97%	0.138%
37	10.022	1347	1349	1353	rBV4	33016	42872	4.84%	0.337%
38	10.069	1353	1357	1359	rVB2	41291	48894	5.52%	0.384%
39	10.139	1365	1369	1372	rBV3	37020	41698	4.70%	0.328%
40	10.175	1372	1375	1379	rVB3	37108	36435	4.11%	0.286%
41	10.233	1379	1385	1388	rBV2	172402	177582	20.03%	1.396%
42	10.380	1403	1410	1416	rBV4	46220	91078	10.27%	0.716%
43	10.451	1416	1422	1425	rBV2	106211	146338	16.51%	1.150%
44	10.533	1434	1436	1440	rVB3	29283	26172	2.95%	0.206%
45	10.575	1440	1443	1447	rBV4	24028	20701	2.34%	0.163%
46	10.628	1447	1452	1457	rBV3	188394	240937	27.18%	1.894%
47	10.716	1463	1467	1474	rVB2	192612	291842	32.92%	2.294%
48	11.033	1518	1521	1522	rBV3	29787	29040	3.28%	0.228%
49	11.157	1539	1542	1544	rBV	131039	110765	12.50%	0.871%
50	11.186	1544	1547	1550	rVB	115380	118101	13.32%	0.928%
51	11.316	1566	1569	1572	rBV	790179	763420	86.12%	6.000%
52	11.339	1572	1573	1581	rVB	322967	289912	32.70%	2.278%
53	11.398	1581	1583	1586	rBV	103168	101296	11.43%	0.796%
54	11.533	1604	1606	1609	rBV	40336	37162	4.19%	0.292%
55	11.580	1611	1614	1617	rVB2	136864	123242	13.90%	0.969%
56	11.822	1652	1655	1658	rBV2	73371	112529	12.69%	0.884%
57	11.851	1658	1660	1663	rVB	70241	64919	7.32%	0.510%
58	11.933	1671	1674	1676	rBV2	114370	114332	12.90%	0.899%
59	11.992	1681	1684	1686	rVV	125309	106345	12.00%	0.836%
60	12.374	1746	1749	1753	rBV3	196014	250590	28.27%	1.969%
61	12.539	1774	1777	1783	rBV	499232	481857	54.36%	3.787%
62	12.751	1810	1813	1814	rBV	252125	210413	23.74%	1.654%
63	12.769	1814	1816	1821	rVB	499150	482296	54.41%	3.790%
64	12.898	1835	1838	1841	rVB	532664	427461	48.22%	3.359%
65	13.104	1871	1873	1876	rVB2	205486	182200	20.55%	1.432%
66	13.451	1930	1932	1935	rVB2	189577	156403	17.64%	1.229%
67	13.974	2018	2021	2024	rBV3	512017	571547	64.48%	4.492%

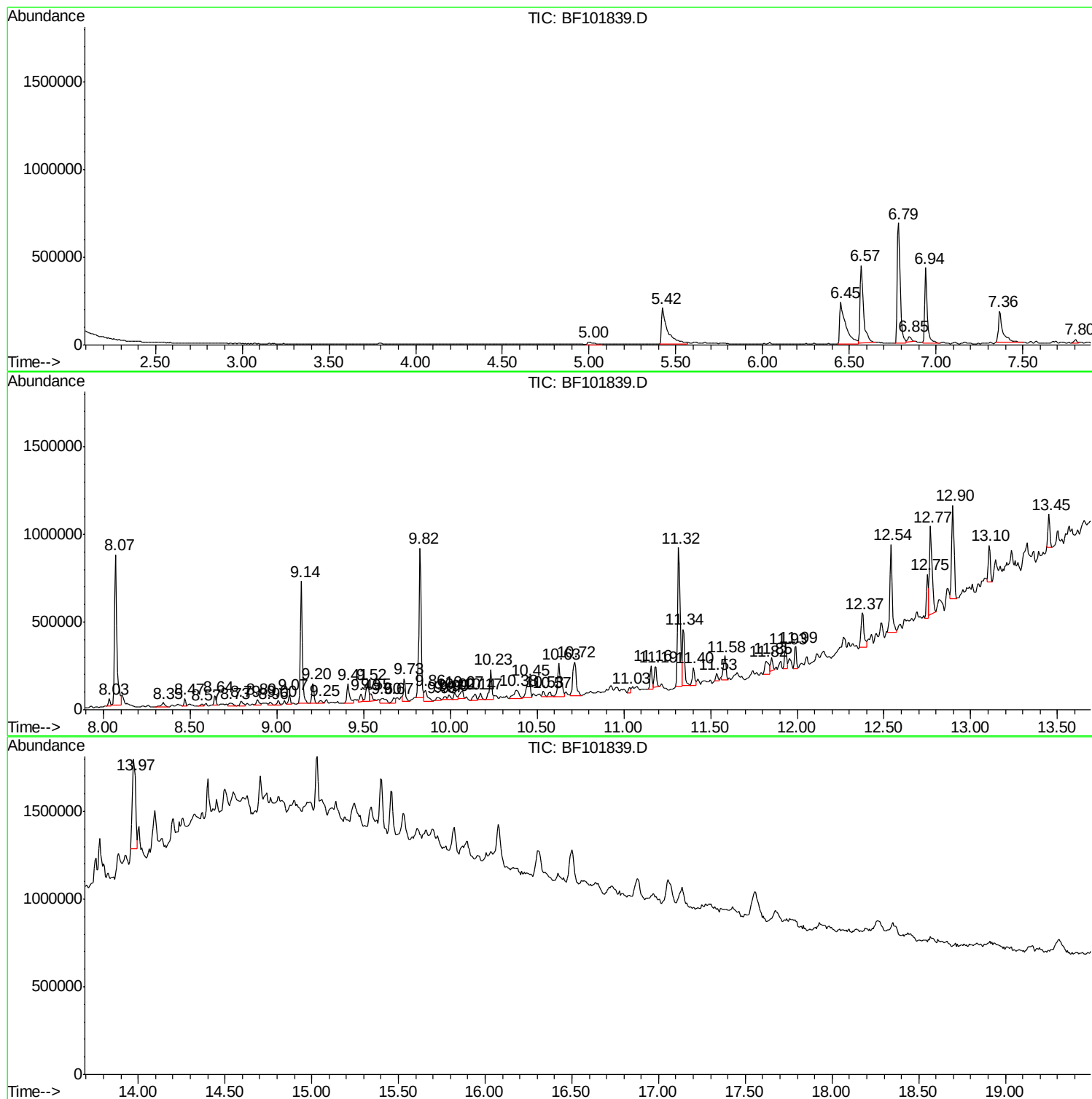
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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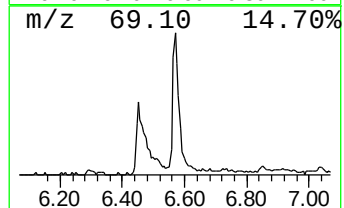
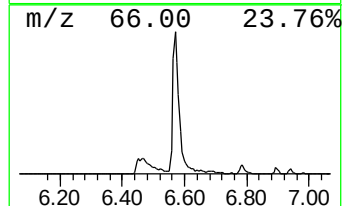
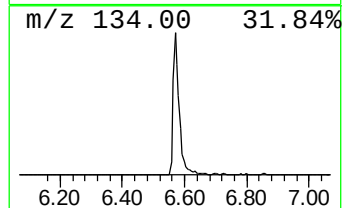
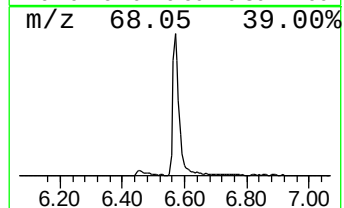
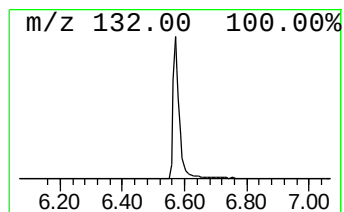
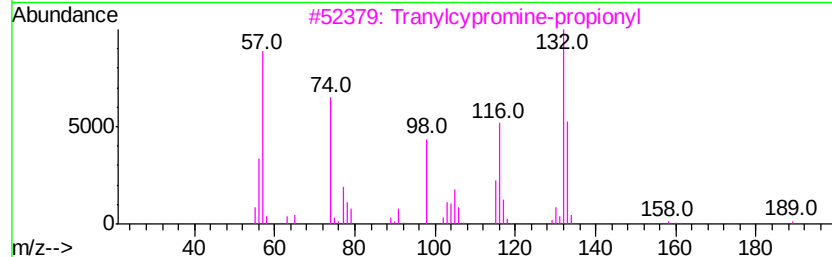
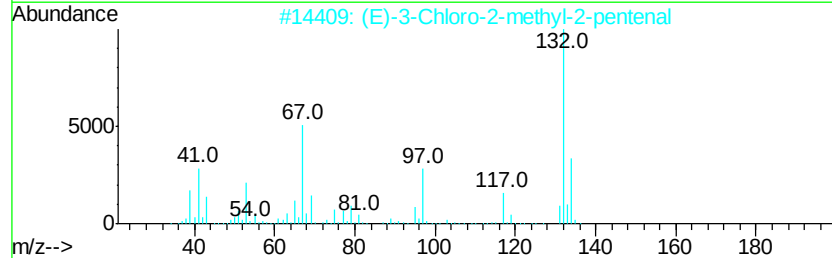
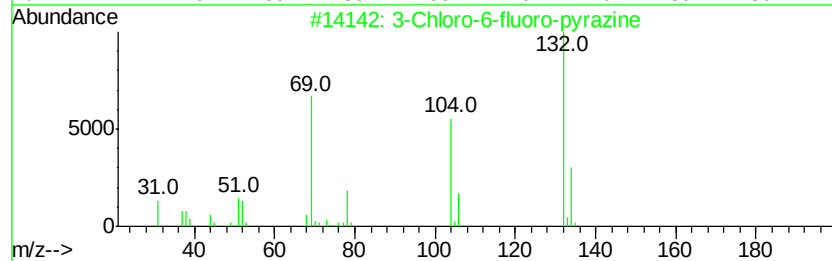
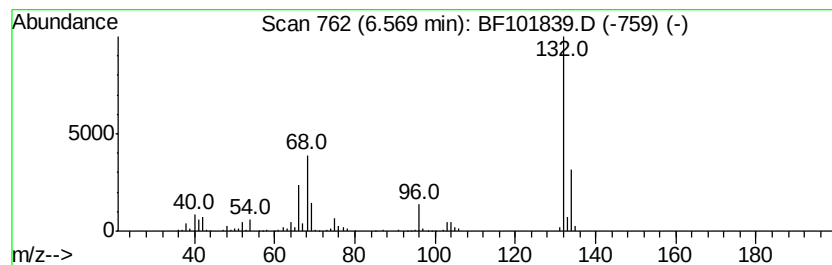
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	17.48 ng	644883	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypropane-propionyl	189	C12H15NO	1000123-86-3	10
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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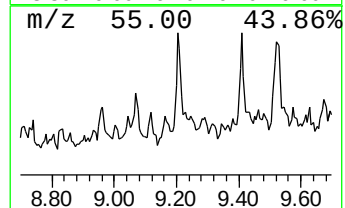
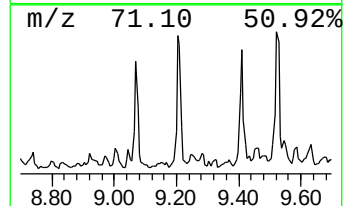
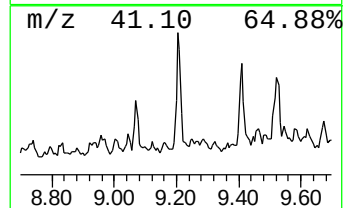
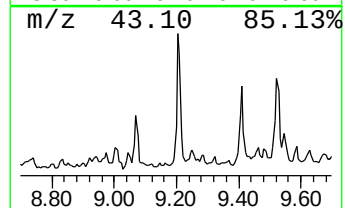
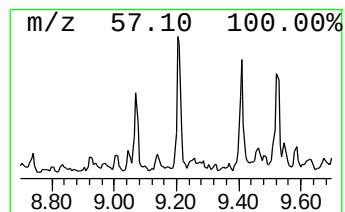
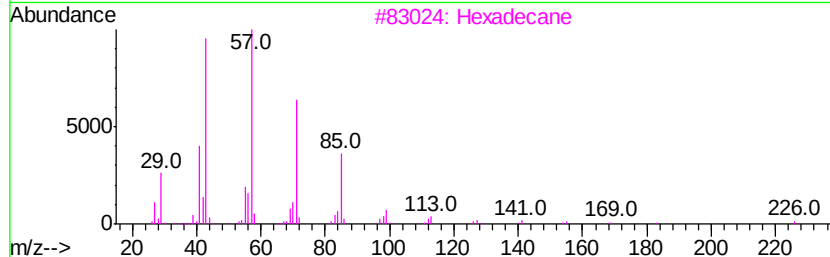
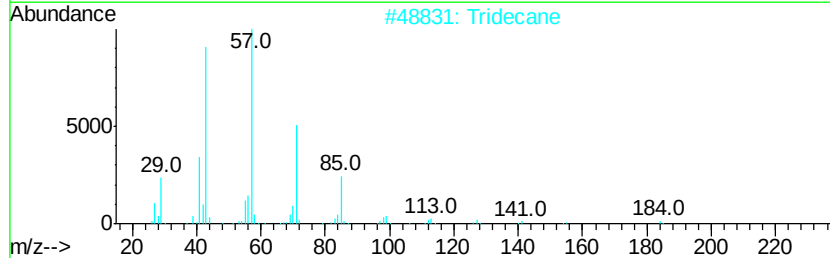
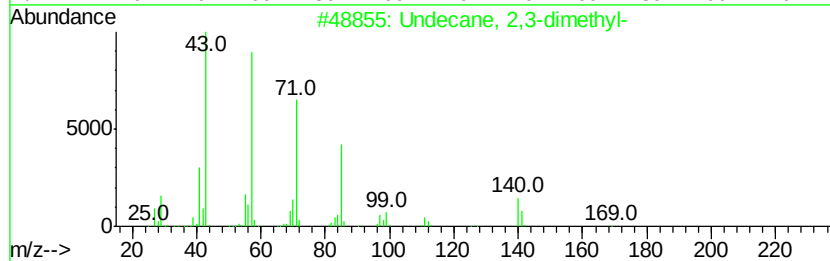
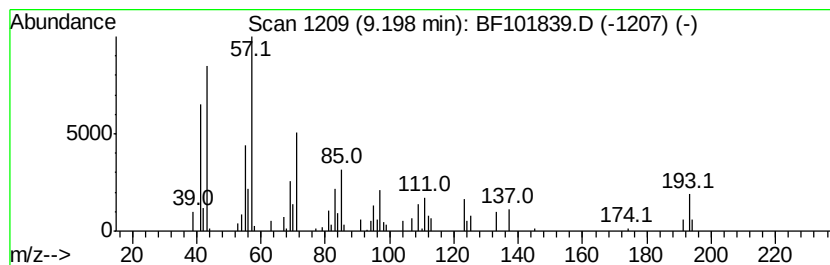
Instrument :
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ClientSampleId :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Undecane, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	2.72 ng	104309	Acenaphthene-d10	9.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane, 2,3-dimethyl-	184 C13H28	017312-77-5	72
2	Tridecane	184 C13H28	000629-50-5	64
3	Hexadecane	226 C16H34	000544-76-3	64
4	Tetradecane	198 C14H30	000629-59-4	64
5	Decane, 6-ethyl-2-methyl-	184 C13H28	062108-21-8	59



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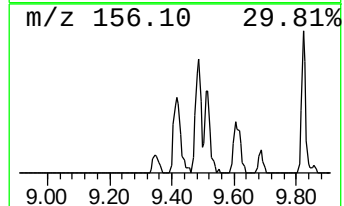
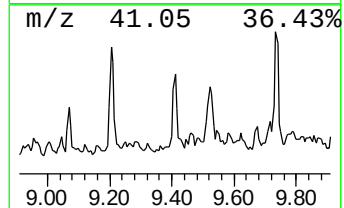
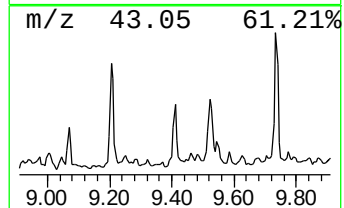
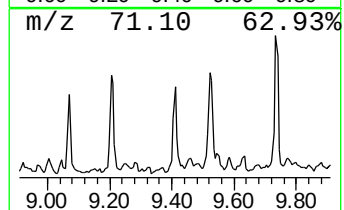
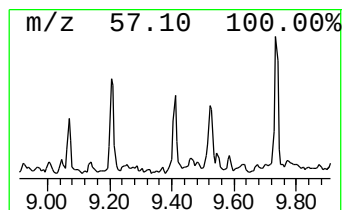
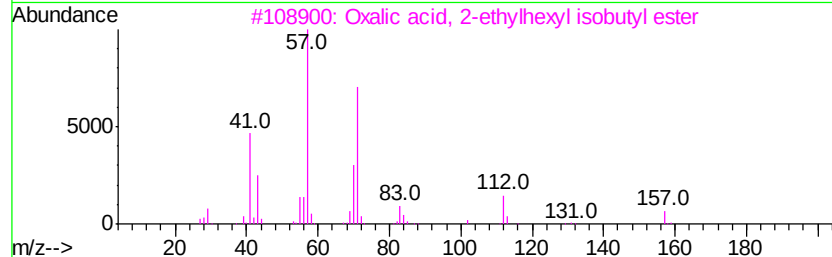
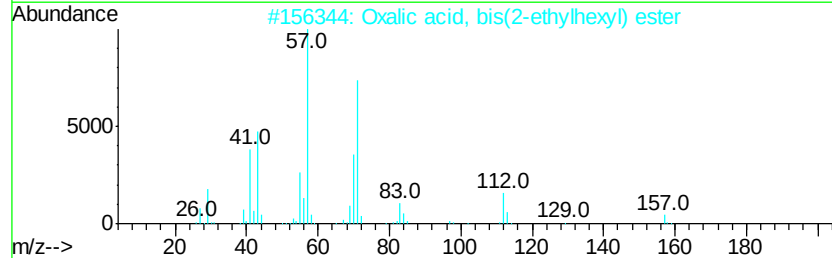
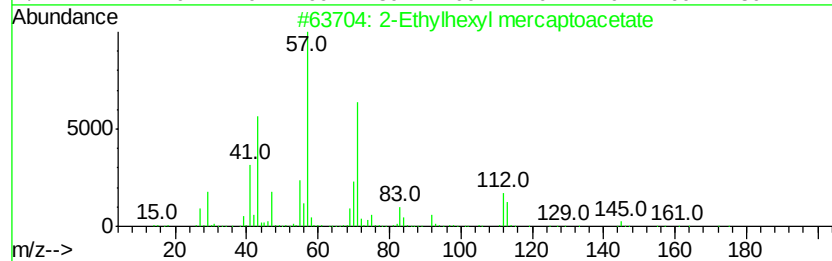
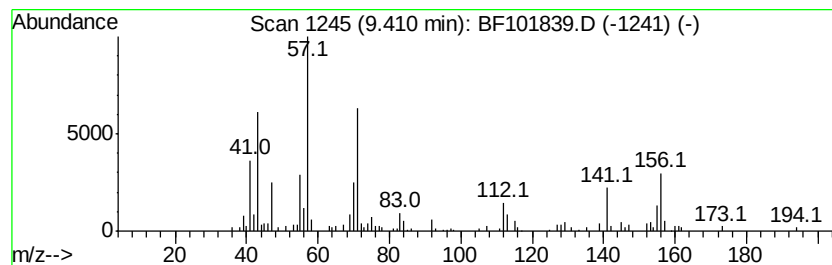
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown9.41 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	3.25 ng	124618	Acenaphthene-d10	9.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethylhexyl	mercaptoacetate	204	C10H20O2S	007659-86-1	49	
2	Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	45		
3	Oxalic acid, 2-ethylhexyl isobut...	258	C14H26O4	1000309-38-5	43		
4	Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	43		
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	38		



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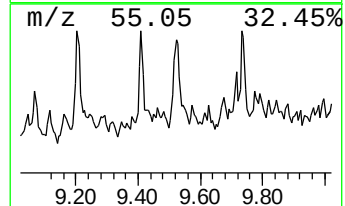
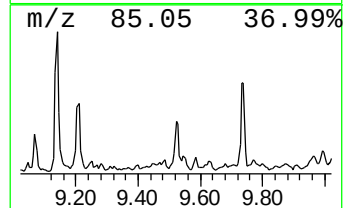
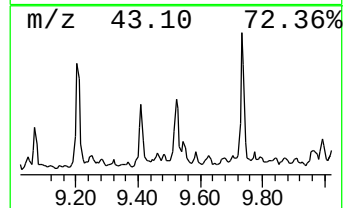
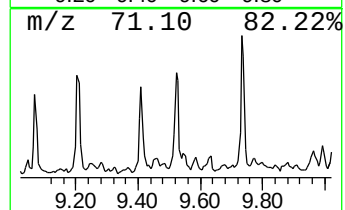
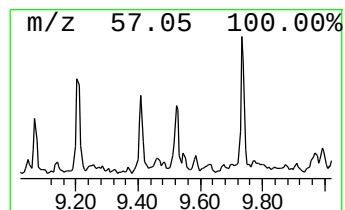
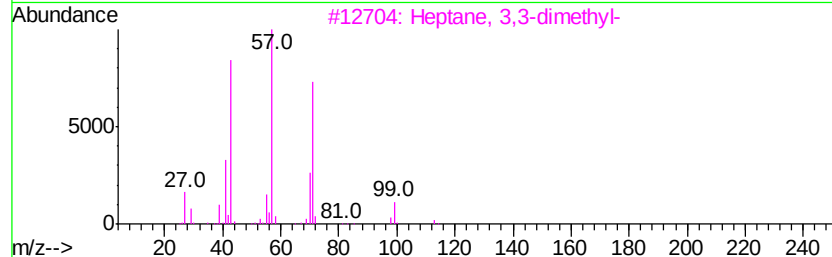
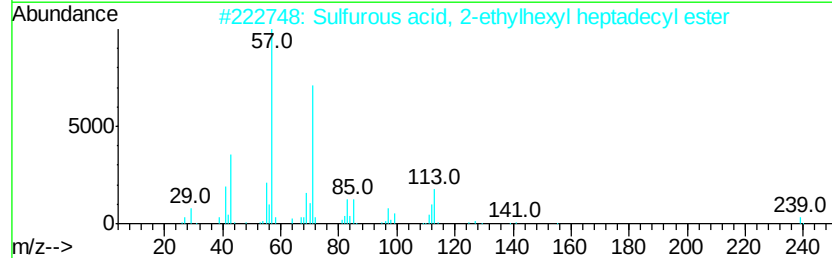
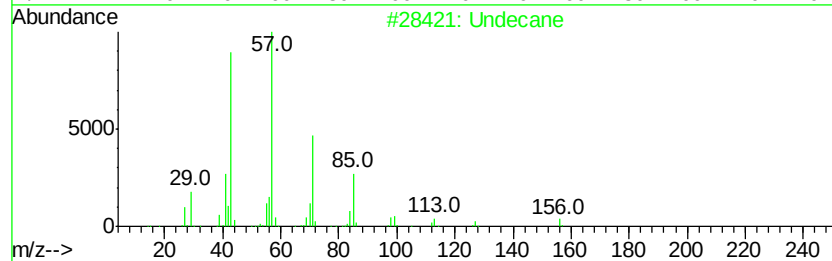
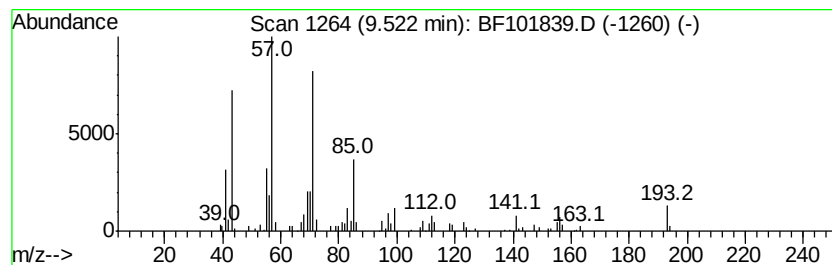
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 5 Undecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	3.19 ng	122612	Acenaphthene-d10	9.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane		156 C11H24	001120-21-4 58
2	Sulfurous acid, 2-ethylhexyl hep...		432 C25H52O3S	1000309-20-0 58
3	Heptane, 3,3-dimethyl-		128 C9H20	004032-86-4 53
4	Octane, 6-ethyl-2-methyl-		156 C11H24	062016-19-7 53
5	Sulfurous acid, pentyl undecyl e...		306 C16H34O3S	1000309-14-4 53



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ClientSampleId :
TB-12(5.5-7.5)

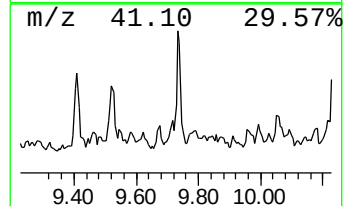
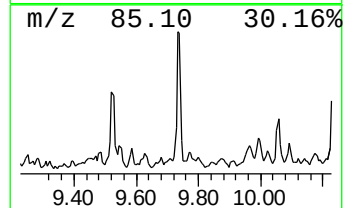
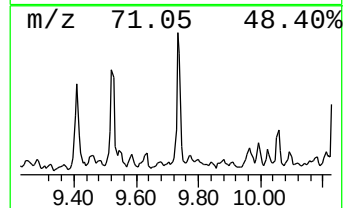
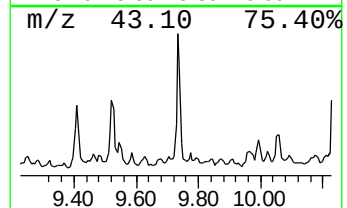
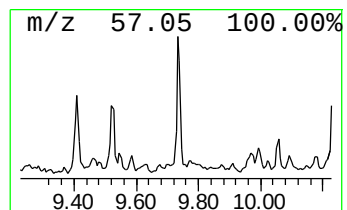
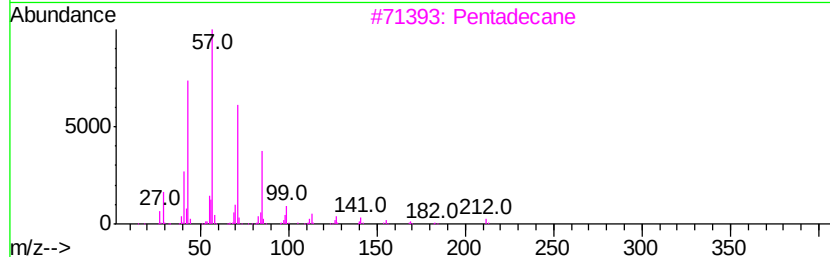
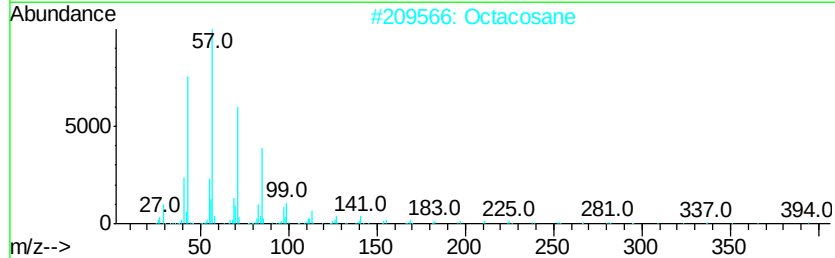
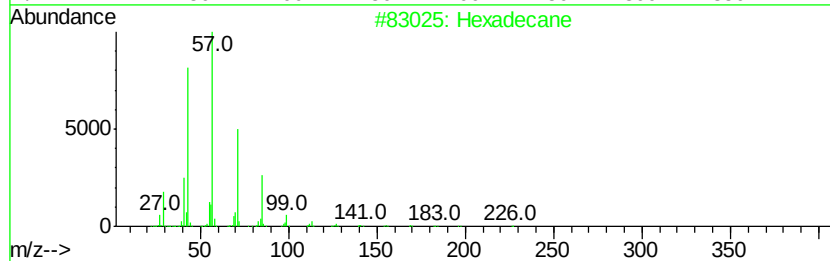
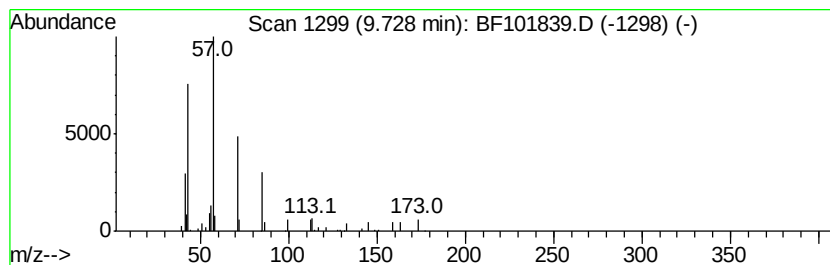
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	2.74 ng	105299	Acenaphthene-d10	9.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	86
2		Octacosane	394	C28H58	000630-02-4	86
3		Pentadecane	212	C15H32	000629-62-9	86
4		Tridecane	184	C13H28	000629-50-5	78
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
Data File : BF101839.D
Acq On : 29 Dec 2017 19:47
Operator : SJ/JU
Sample : I7034-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

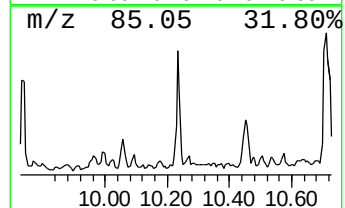
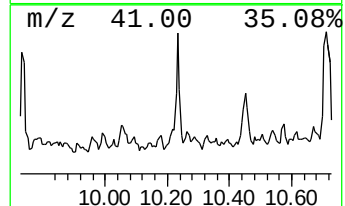
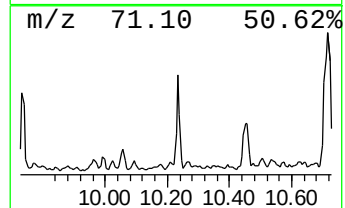
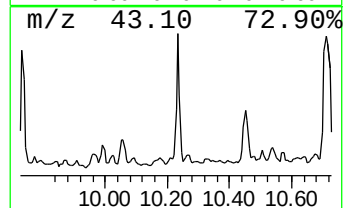
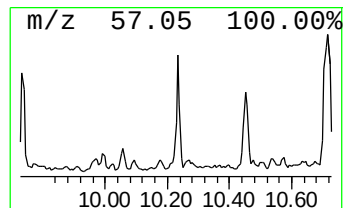
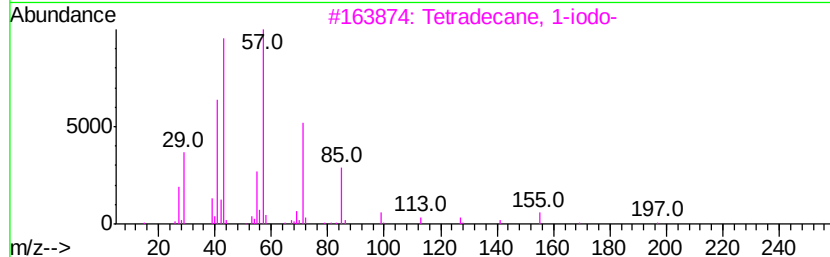
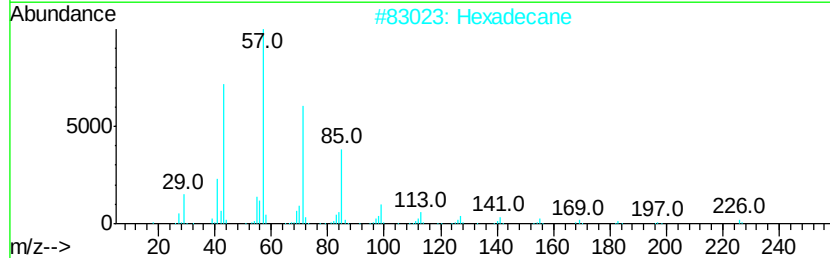
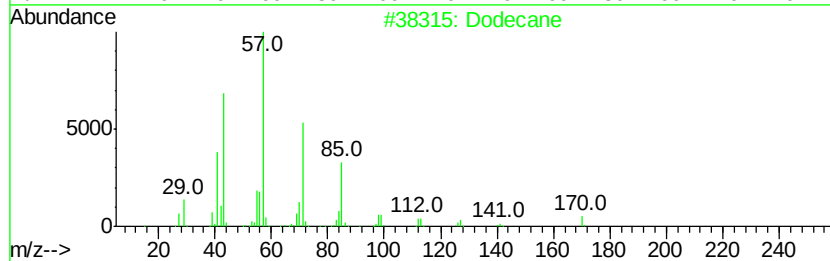
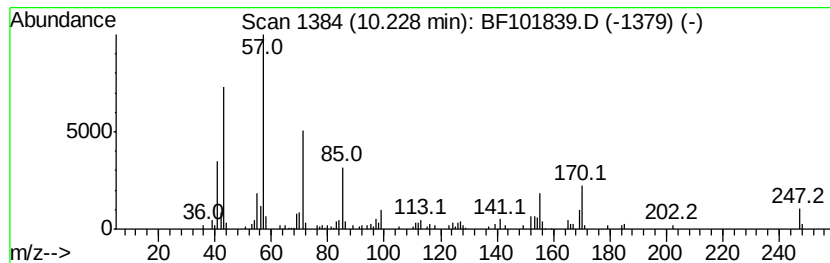
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dodecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.23	4.63 ng	177582	Acenaphthene-d10	9.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	87
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	86
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122917\
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Sample : I7034-15
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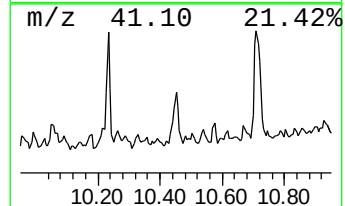
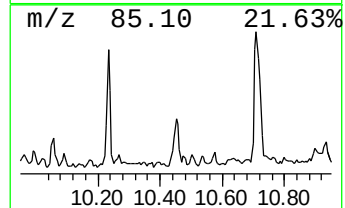
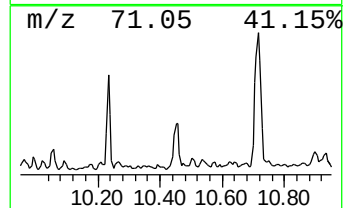
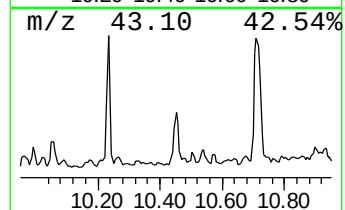
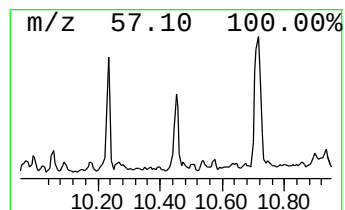
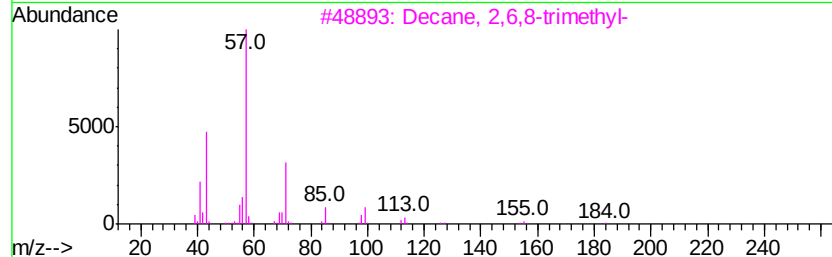
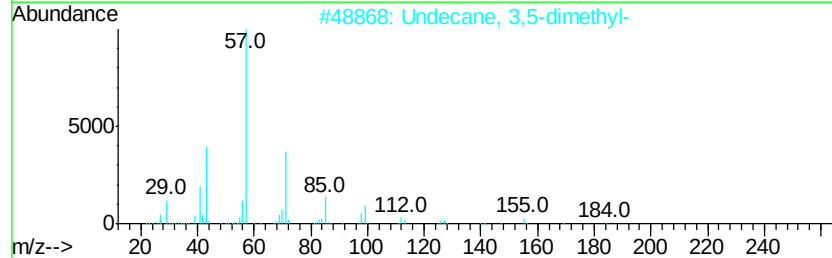
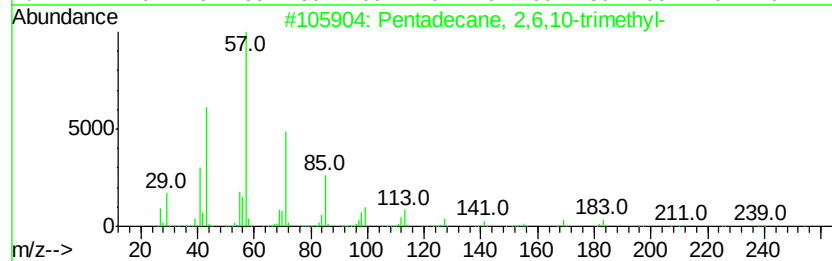
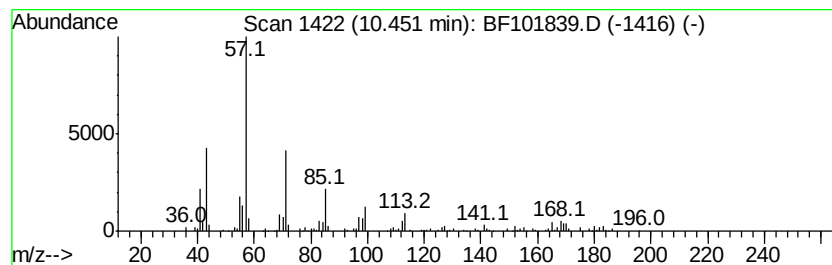
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pentadecane, 2,6,10-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.45	3.81 ng	146338	Acenaphthene-d10		9.82
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	83
2	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	60
3	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	60
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	58
5	Octacosane	394	C28H58	000630-02-4	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122917\
Data File : BF101839.D
Acq On : 29 Dec 2017 19:47
Operator : SJ/JU
Sample : I7034-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

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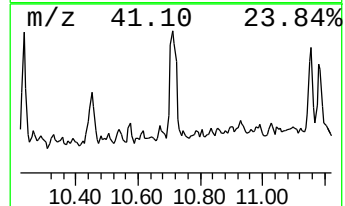
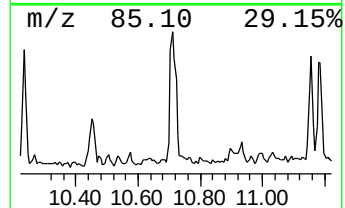
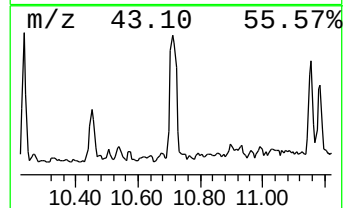
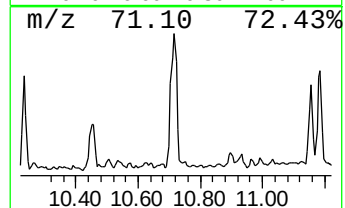
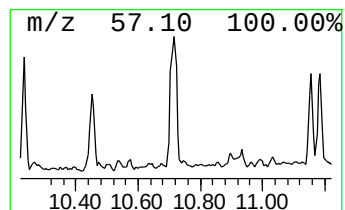
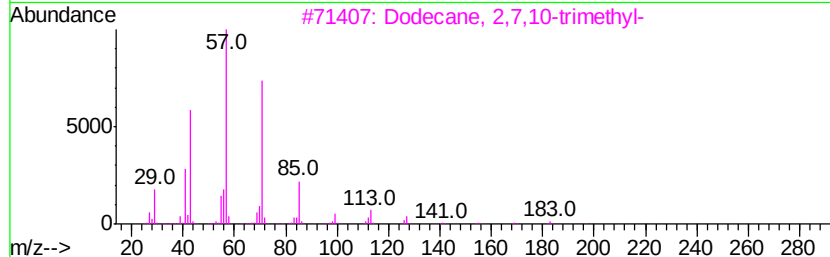
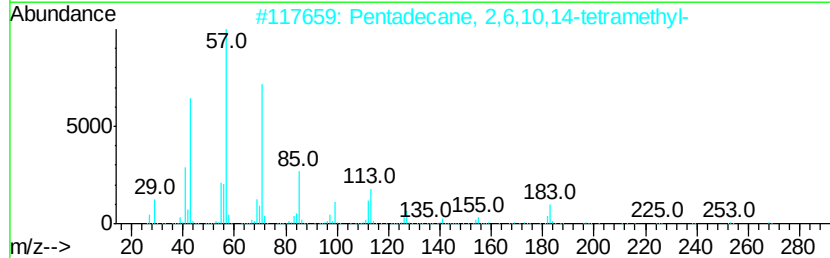
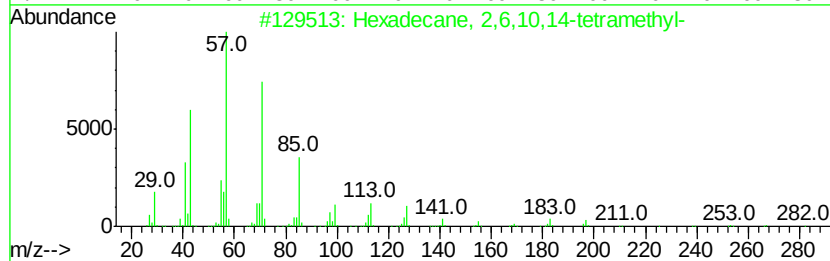
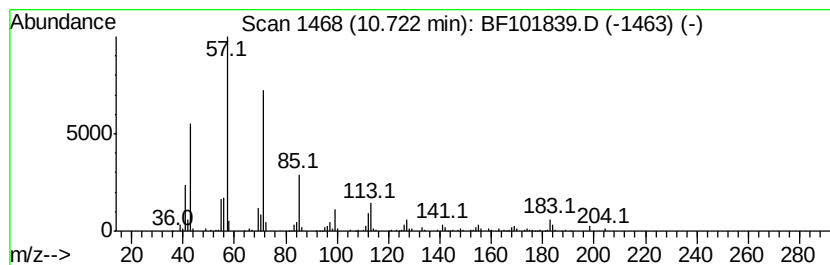
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Hexadecane, 2,6,10,14-tetra... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	7.65 ng	291842	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
2		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	87
4		Tridecane, 4-methyl-	198	C14H30	026730-12-1	87
5		Undecane, 6-ethyl-	184	C13H28	017312-60-6	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122917\
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Acq On : 29 Dec 2017 19:47
Operator : SJ/JU
Sample : I7034-15
Misc :
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Instrument :
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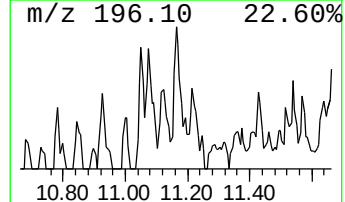
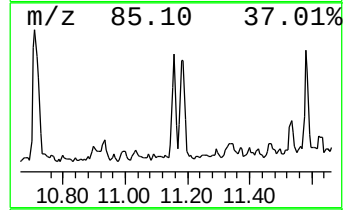
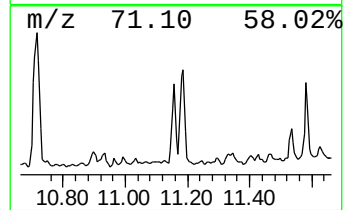
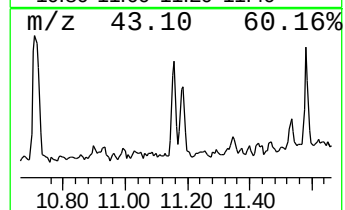
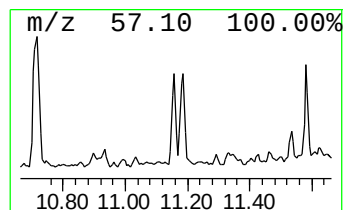
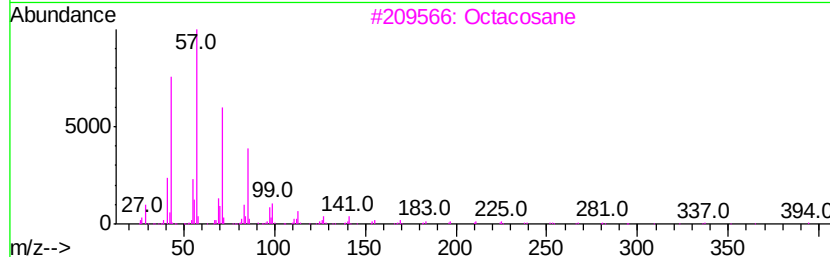
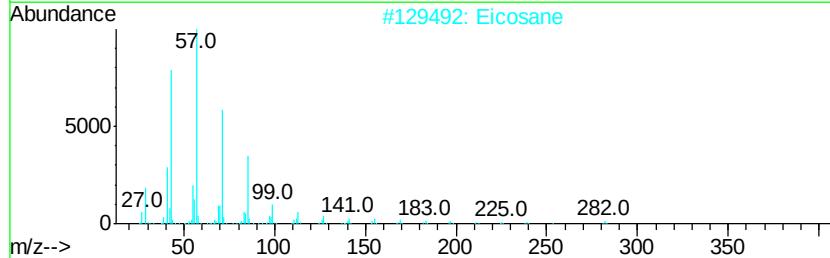
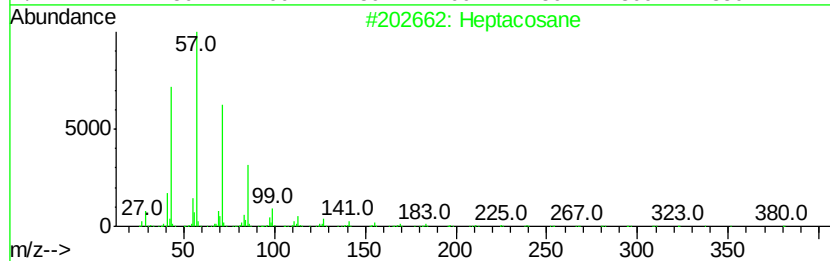
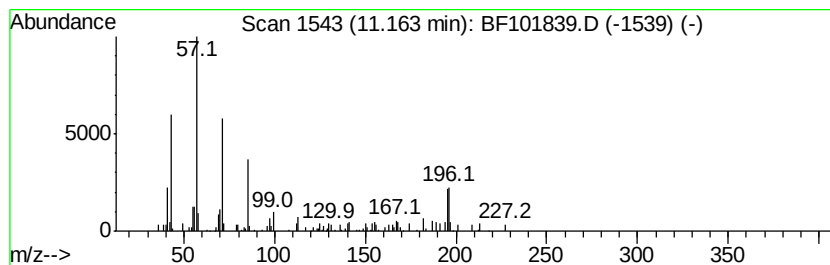
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heptacosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	2.90 ng	110765	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	83
2		Eicosane	282	C20H42	000112-95-8	83
3		Octacosane	394	C28H58	000630-02-4	80
4		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	80
5		Hexadecane	226	C16H34	000544-76-3	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122917\
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Sample : I7034-15
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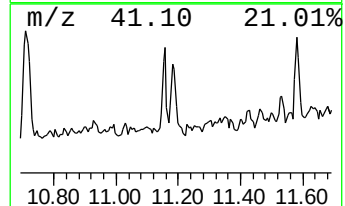
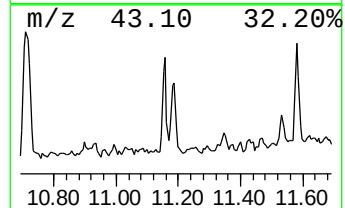
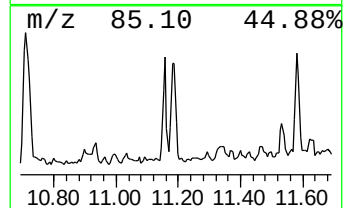
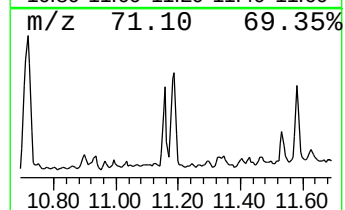
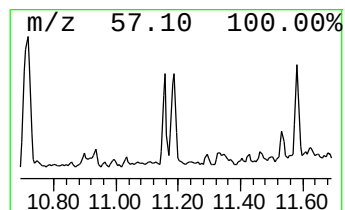
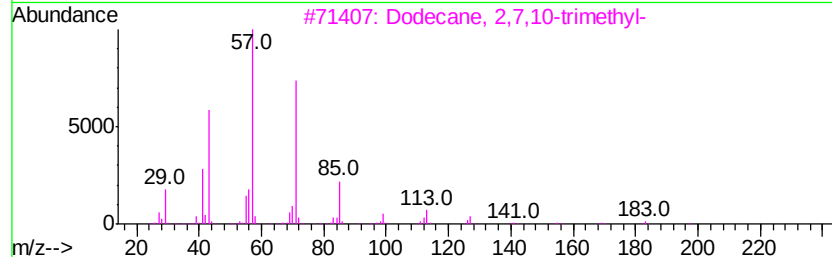
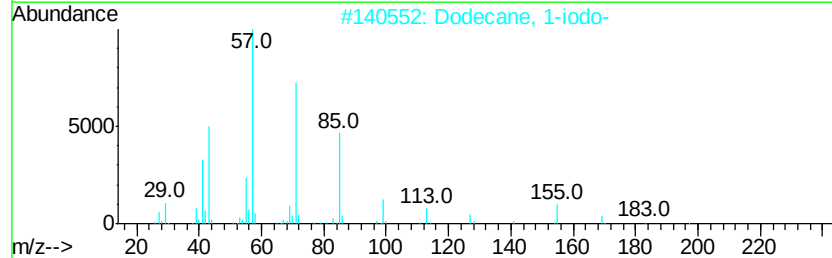
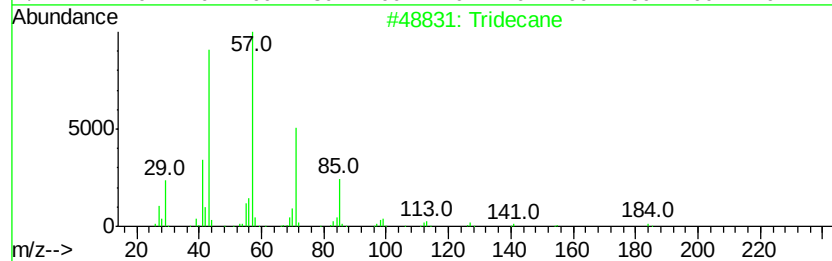
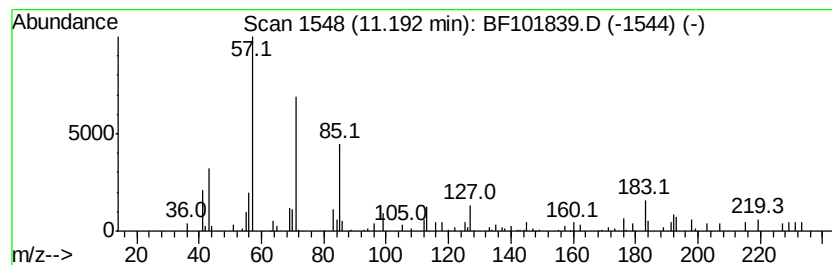
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tridecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.19	3.09 ng	118101	Phenanthrene-d10		11.32
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	86
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	78
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
4	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	53
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122917\
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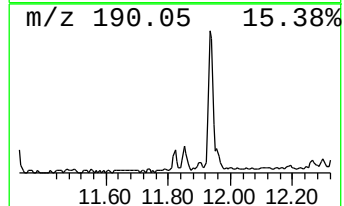
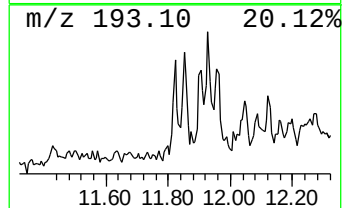
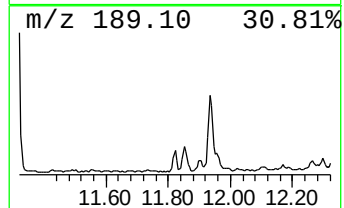
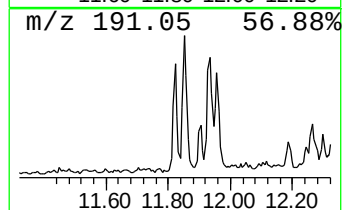
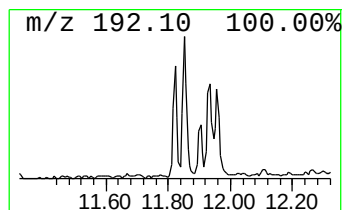
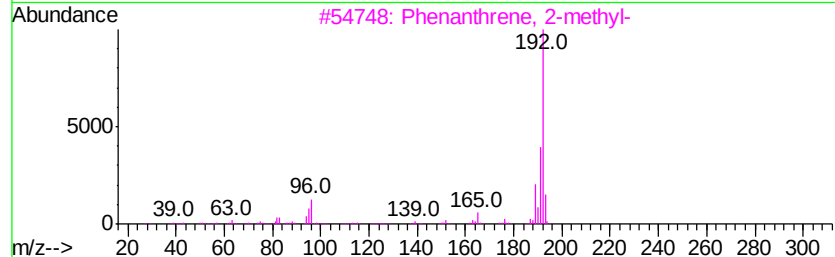
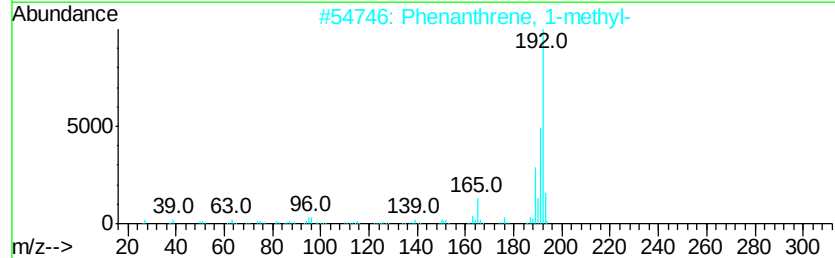
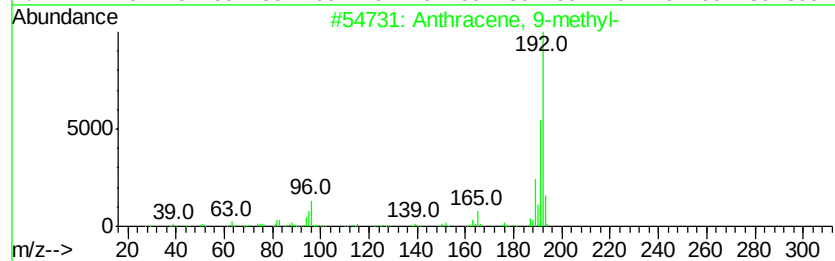
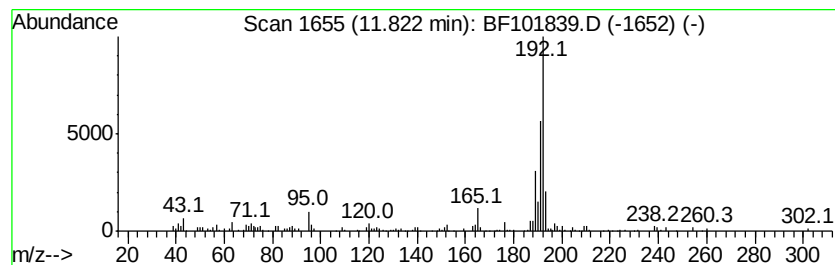
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	2.95 ng	112529	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122917\
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Acq On : 29 Dec 2017 19:47
Operator : SJ/JU
Sample : I7034-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

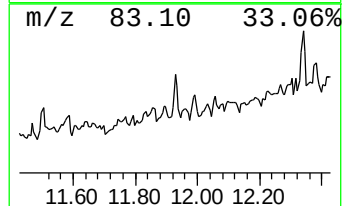
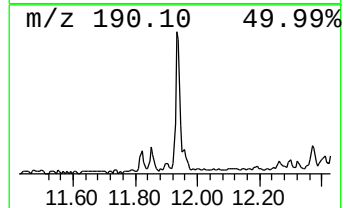
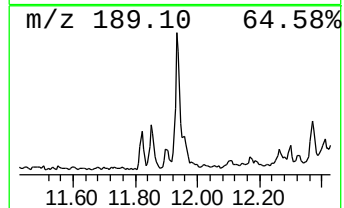
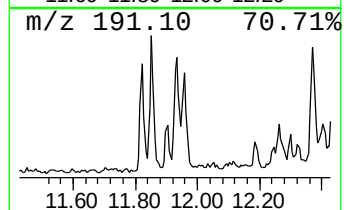
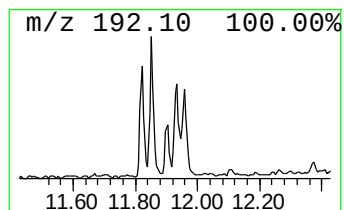
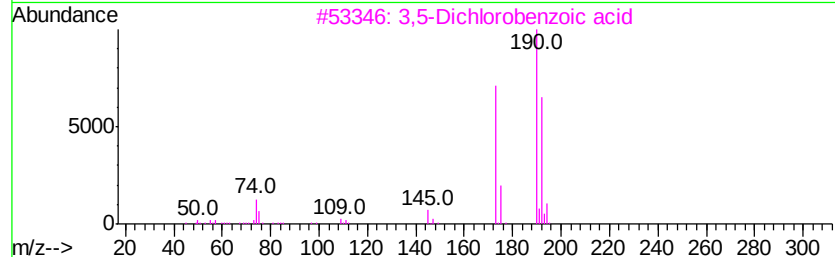
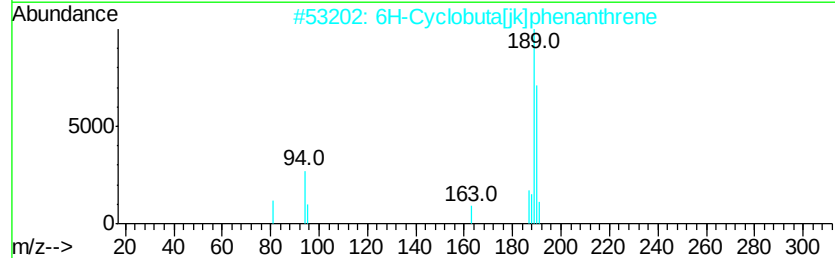
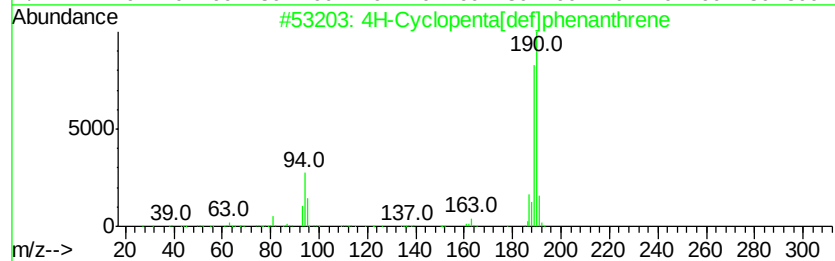
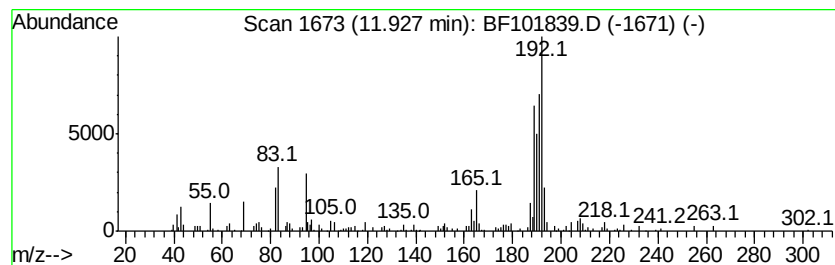
Instrument :
BNA_F
ClientSampleId :
TB-12(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.93	3.00 ng	114332	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[i]kphenanthrene	190	C15H10	083469-43-6	52
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	1-(9-Phenanthrenyl)-2-propanol	236	C17H16O	1000326-09-0	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122917\
Data File : BF101839.D
Acq On : 29 Dec 2017 19:47
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Sample : I7034-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

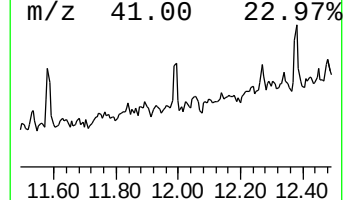
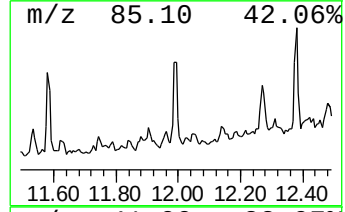
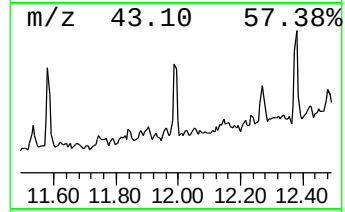
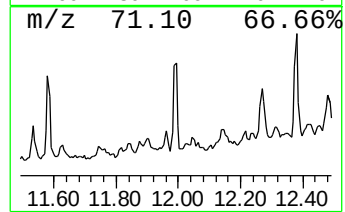
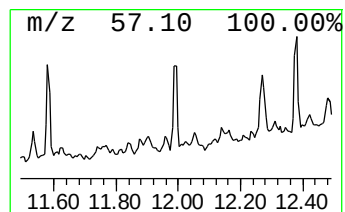
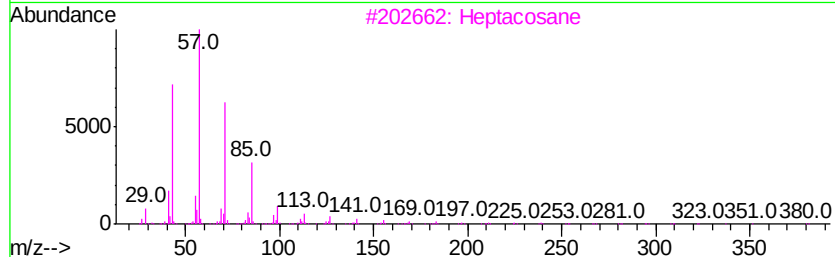
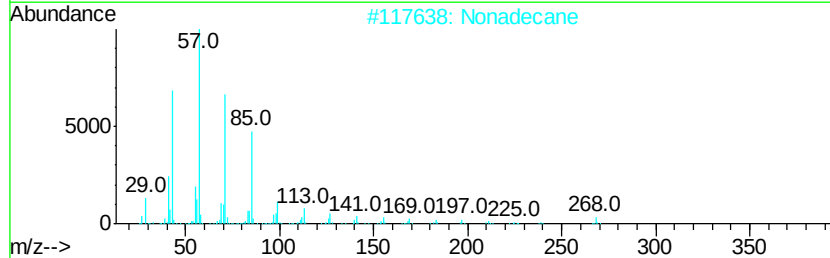
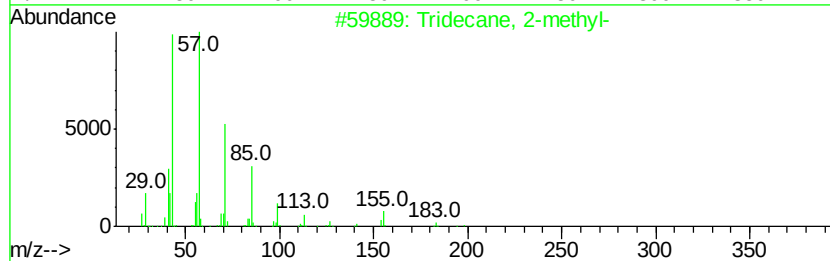
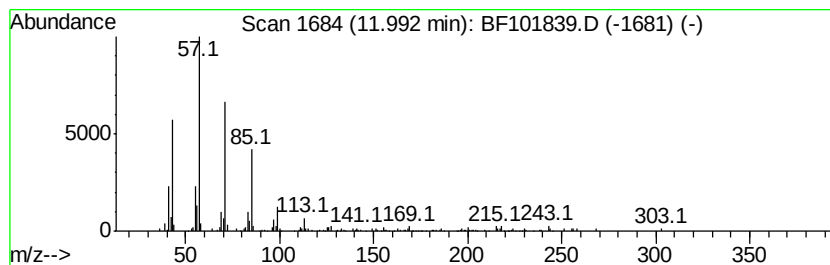
Instrument :
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ClientSampleId :
TB-12(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Tridecane, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.99	2.79 ng	106345	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	87
2	Nonadecane	268	C19H40	000629-92-5	87
3	Heptacosane	380	C27H56	000593-49-7	83
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	72
5	Eicosane	282	C20H42	000112-95-8	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122917\
Data File : BF101839.D
Acq On : 29 Dec 2017 19:47
Operator : SJ/JU
Sample : I7034-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

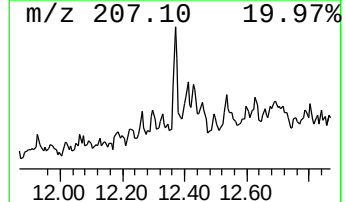
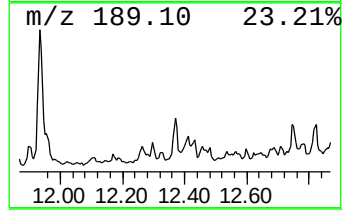
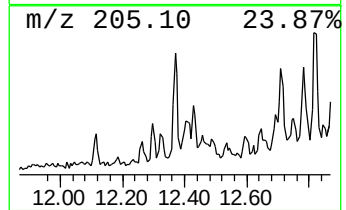
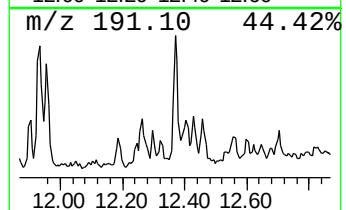
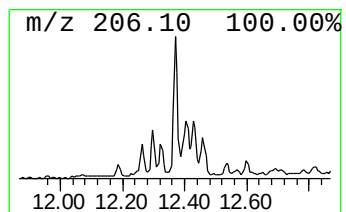
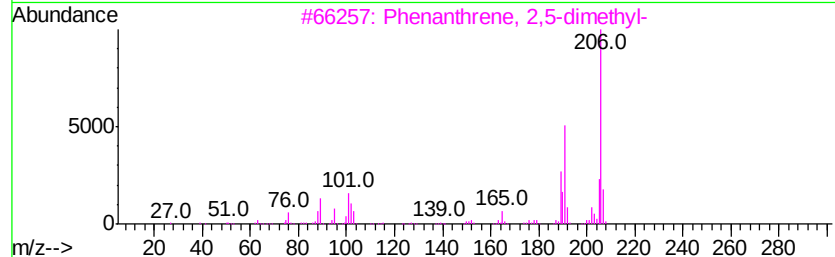
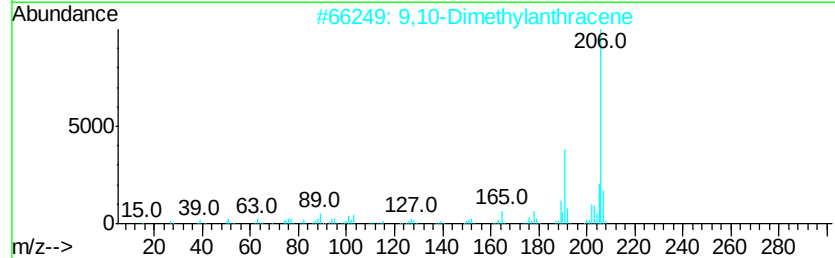
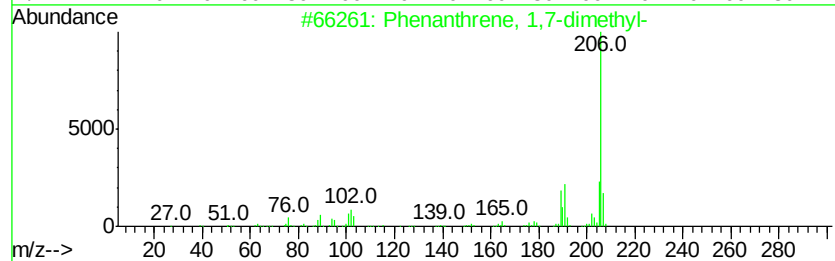
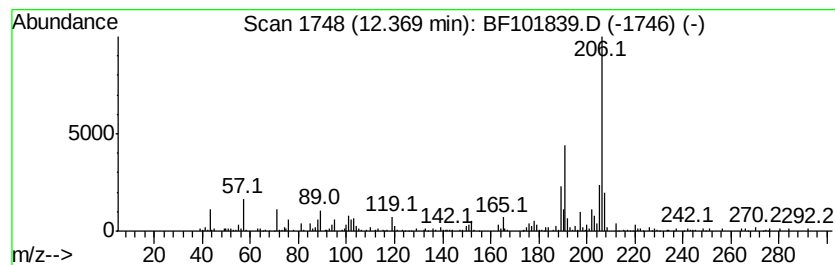
Instrument :
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ClientSampleId :
TB-12(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 1,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.37	6.56 ng	250590	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	70
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
4	Eicosane	282	C20H42	000112-95-8	56
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122917\
Data File : BF101839.D
Acq On : 29 Dec 2017 19:47
Operator : SJ/JU
Sample : I7034-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

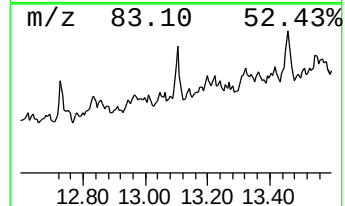
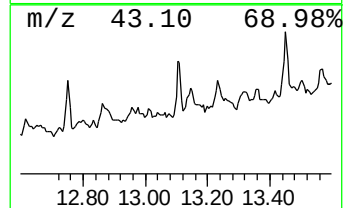
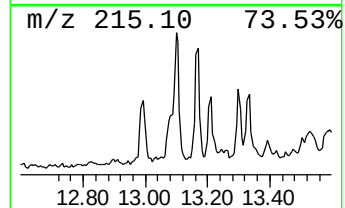
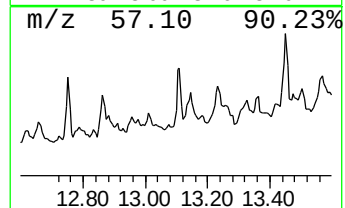
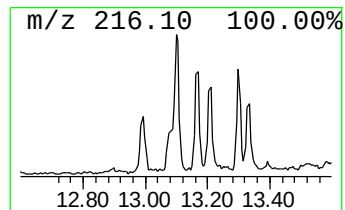
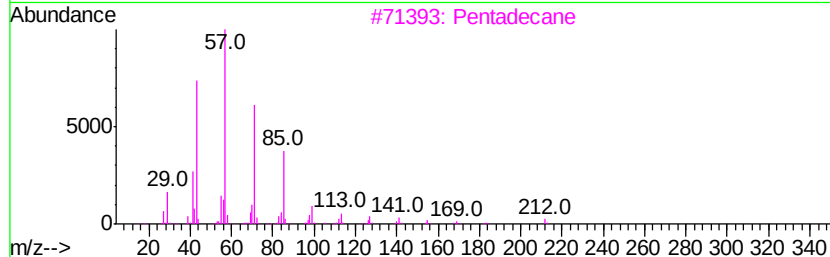
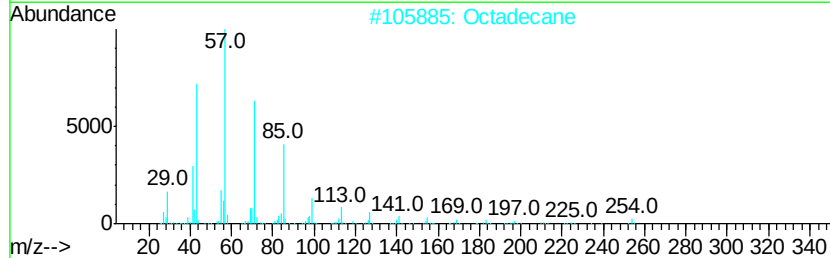
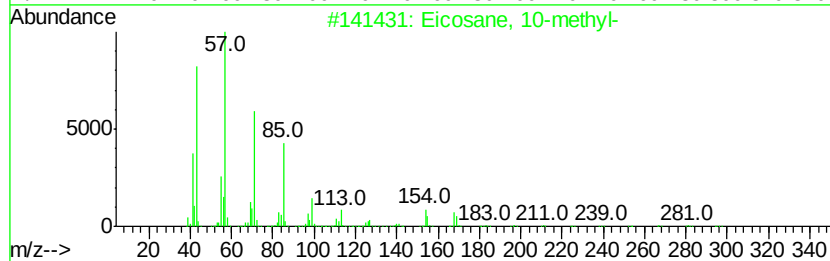
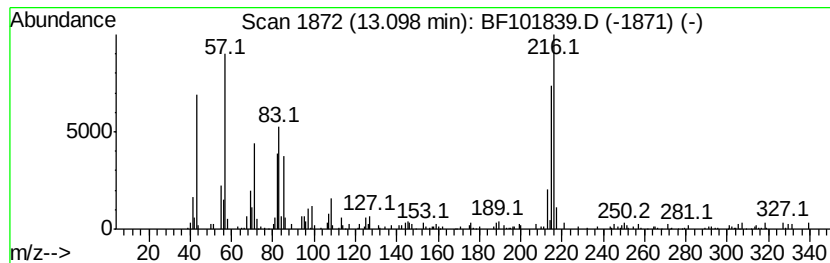
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ClientSampleId :
TB-12(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Eicosane, 10-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.10	6.38 ng	182200	Chrysene-d12	13.97	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	78
2	Octadecane	254	C18H38	000593-45-3	78
3	Pentadecane	212	C15H32	000629-62-9	70
4	Hexadecane	226	C16H34	000544-76-3	60
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122917\
Data File : BF101839.D
Acq On : 29 Dec 2017 19:47
Operator : SJ/JU
Sample : I7034-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

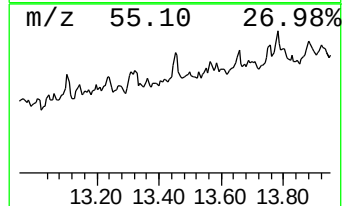
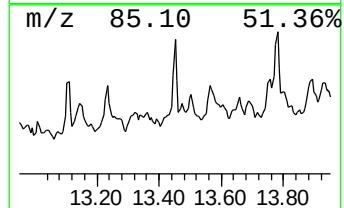
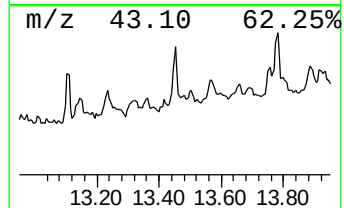
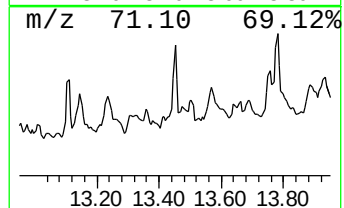
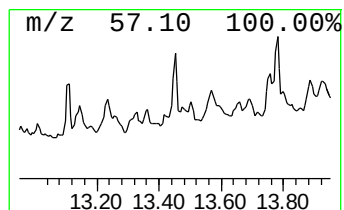
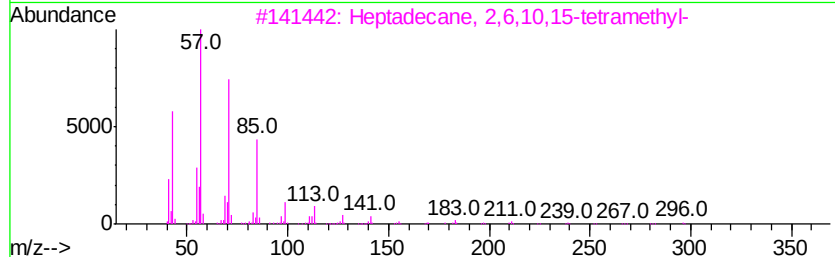
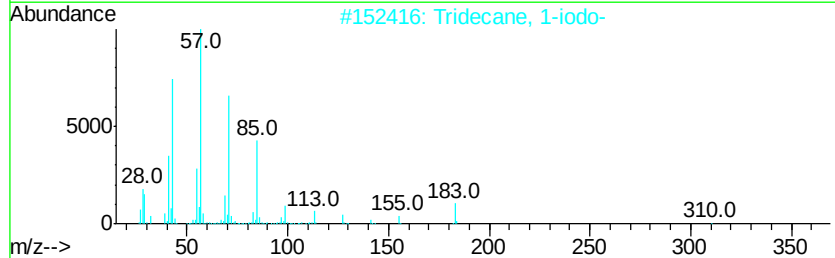
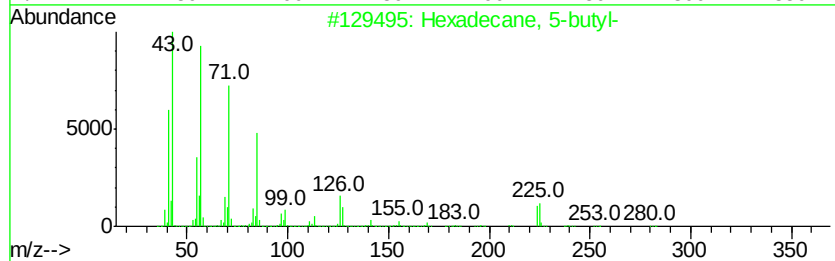
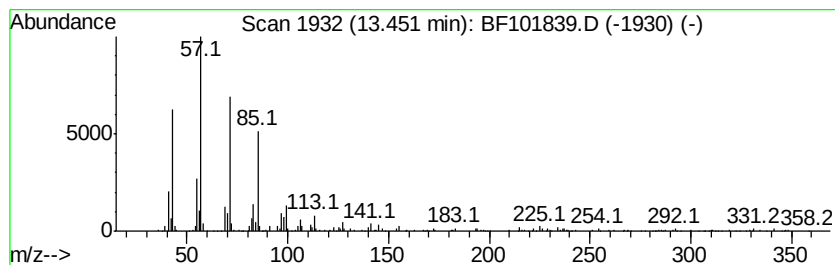
Instrument :
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ClientSampleId :
TB-12(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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, 5-butyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.45	5.47 ng	156403	Chrysene-d12	13.97		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 5-butyl-	282	C20H42	006912-07-8	87	
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83	
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80	
4	Hexadecane	226	C16H34	000544-76-3	74	
5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	72	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122917\
 Data File : BF101839.D
 Acq On : 29 Dec 2017 19:47
 Operator : SJ/JU
 Sample : I7034-15
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TB-12(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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
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Undecane, 2,3-dim...	9.20	2.7	ng	104309	3	9.82	767905	20.0
unknown9.41	9.41	3.3	ng	124618	3	9.82	767905	20.0
Undecane	9.52	3.2	ng	122612	3	9.82	767905	20.0
Hexadecane	9.73	2.7	ng	105299	3	9.82	767905	20.0
Dodecane	10.23	4.6	ng	177582	3	9.82	767905	20.0
Pentadecane, 2,6,...	10.45	3.8	ng	146338	3	9.82	767905	20.0
Hexadecane, 2,6,1...	10.72	7.7	ng	291842	4	11.32	763420	20.0
Heptacosane	11.16	2.9	ng	110765	4	11.32	763420	20.0
Tridecane	11.19	3.1	ng	118101	4	11.32	763420	20.0
Anthracene, 9-met...	11.82	3.0	ng	112529	4	11.32	763420	20.0
4H-Cyclopenta[def...	11.93	3.0	ng	114332	4	11.32	763420	20.0
Tridecane, 2-methyl-	11.99	2.8	ng	106345	4	11.32	763420	20.0
Phenanthrene, 1,7...	12.37	6.6	ng	250590	4	11.32	763420	20.0
Eicosane, 10-methyl-	13.10	6.4	ng	182200	5	13.97	571547	20.0
Hexadecane, 5-butyl-	13.45	5.5	ng	156403	5	13.97	571547	20.0