

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
 Data File : BF101481.D
 Acq On : 18 Dec 2017 15:31
 Operator : SJ/JU
 Sample : I6680-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-121417-D

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	4.422	393	397	404	rBV2	24289	46789	1.11%	0.115%
2	5.034	496	501	522	rVB	858722	1402692	33.36%	3.448%
3	5.434	565	569	589	rBV	3465193	3967798	94.37%	9.752%
4	6.451	737	742	760	rBV	3305317	4204390	100.00%	10.334%
5	6.581	760	764	770	rVV	3759540	3780268	89.91%	9.291%
6	6.628	770	772	779	rVB2	38305	48709	1.16%	0.120%
7	6.804	799	802	810	rBV	1098431	1063883	25.30%	2.615%
8	6.963	825	829	844	rBV	3183079	3061447	72.82%	7.524%
9	7.381	895	900	914	rBV	2445054	2608055	62.03%	6.410%
10	8.092	1017	1021	1032	rVB	1293697	1434427	34.12%	3.526%
11	8.669	1116	1119	1123	rVB	53302	43550	1.04%	0.107%
12	8.810	1139	1143	1148	rBV	59733	72485	1.72%	0.178%
13	8.904	1156	1159	1165	rVB	55646	55107	1.31%	0.135%
14	9.163	1199	1203	1207	rBV	3779884	3762061	89.48%	9.246%
15	9.233	1212	1215	1218	rVB	109187	87857	2.09%	0.216%
16	9.433	1244	1249	1253	rBV4	33424	57050	1.36%	0.140%
17	9.504	1257	1261	1264	rVV3	49699	69906	1.66%	0.172%
18	9.557	1264	1270	1277	rVV	371211	453376	10.78%	1.114%
19	9.710	1292	1296	1300	rBV	166823	176613	4.20%	0.434%
20	9.763	1303	1305	1308	rVB	183213	130739	3.11%	0.321%
21	9.845	1315	1319	1323	rBV2	1530662	1325493	31.53%	3.258%
22	9.874	1323	1324	1332	rVB	71432	83516	1.99%	0.205%
23	9.992	1341	1344	1347	rBV3	33893	47421	1.13%	0.117%
24	10.051	1351	1354	1357	rVV3	56118	62949	1.50%	0.155%
25	10.086	1357	1360	1363	rVV3	56692	59015	1.40%	0.145%
26	10.157	1369	1372	1376	rBV4	46492	63123	1.50%	0.155%
27	10.239	1383	1386	1387	rBV	62431	55846	1.33%	0.137%
28	10.263	1387	1390	1393	rVB	235768	189567	4.51%	0.466%
29	10.298	1393	1396	1401	rBV3	38612	53789	1.28%	0.132%
30	10.398	1410	1413	1419	rVB	75129	92158	2.19%	0.227%
31	10.480	1422	1427	1429	rBV	86804	102200	2.43%	0.251%
32	10.639	1450	1454	1463	rBV	1920011	1911188	45.46%	4.697%
33	10.733	1467	1470	1480	rVB	229730	316877	7.54%	0.779%
34	10.927	1500	1503	1505	rBV2	36644	45782	1.09%	0.113%

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 Integrator: RTE
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35	11.180	1544	1546	1549	rBV	151323	140943	3.35%	0.346%
36	11.210	1549	1551	1553	rVV2	90521	86107	2.05%	0.212%
37	11.233	1553	1555	1558	rVB	63239	55260	1.31%	0.136%
38	11.339	1569	1573	1575	rBV	1195563	1215476	28.91%	2.987%
39	11.357	1575	1576	1581	rVV	429517	381659	9.08%	0.938%
40	11.416	1583	1586	1590	rVB	163400	146608	3.49%	0.360%
41	11.574	1609	1613	1616	rBV3	45468	73692	1.75%	0.181%
42	11.610	1616	1619	1624	rVV	133776	121770	2.90%	0.299%
43	11.668	1627	1629	1633	rVV	43557	45758	1.09%	0.112%
44	11.839	1655	1658	1661	rBV2	123627	176929	4.21%	0.435%
45	11.868	1661	1663	1668	rVB	153155	129180	3.07%	0.317%
46	11.916	1668	1671	1674	rBV	75878	78797	1.87%	0.194%
47	11.951	1674	1677	1679	rBV2	133802	139253	3.31%	0.342%
48	12.016	1686	1688	1691	rBV	107895	87078	2.07%	0.214%
49	12.133	1705	1708	1710	rBV2	49670	56779	1.35%	0.140%
50	12.386	1748	1751	1753	rBV	132236	156555	3.72%	0.385%
51	12.551	1776	1779	1784	rBV	497943	493308	11.73%	1.212%
52	12.786	1813	1819	1825	rBV	576774	725226	17.25%	1.782%
53	12.839	1825	1828	1830	rVV	65850	64467	1.53%	0.158%
54	12.921	1838	1842	1845	rBV	2729519	2513600	59.79%	6.178%
55	13.092	1869	1871	1872	rBV	69016	56398	1.34%	0.139%
56	13.215	1890	1892	1896	rVB	76144	72790	1.73%	0.179%
57	13.310	1906	1908	1911	rBV	91567	74384	1.77%	0.183%
58	13.345	1911	1914	1917	rVV	71735	79333	1.89%	0.195%
59	13.474	1934	1936	1939	rBV	80273	79101	1.88%	0.194%
60	13.804	1989	1992	1996	rBV2	355628	371661	8.84%	0.913%
61	13.986	2018	2023	2026	rBV2	1080031	1184119	28.16%	2.910%
62	15.033	2198	2201	2203	rBV	168587	222180	5.28%	0.546%
63	15.398	2261	2263	2266	rVV	145066	128635	3.06%	0.316%
64	15.462	2270	2274	2278	rVB	501793	593805	14.12%	1.459%

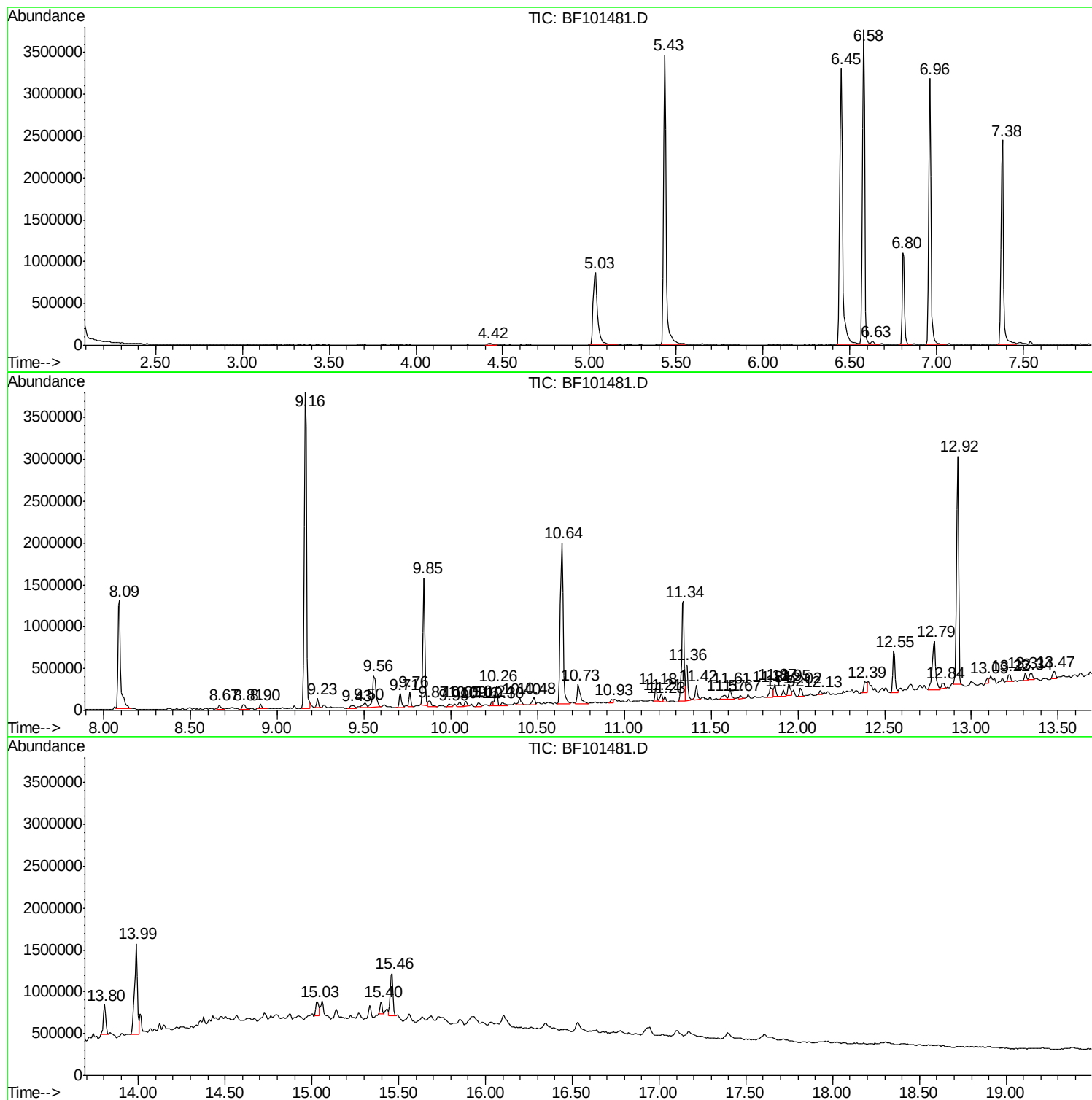
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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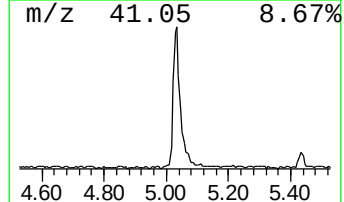
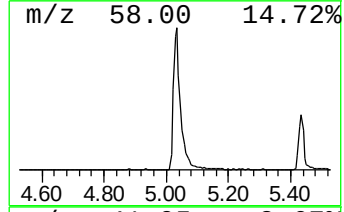
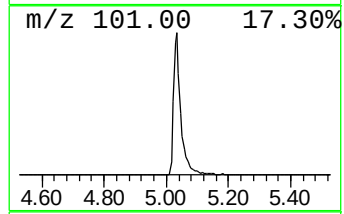
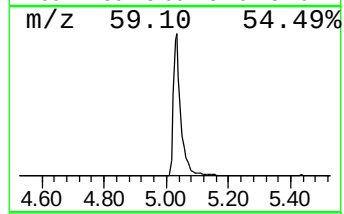
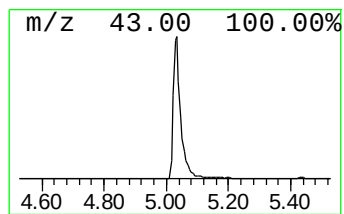
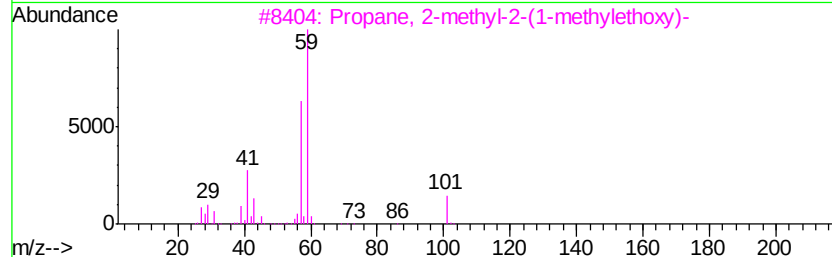
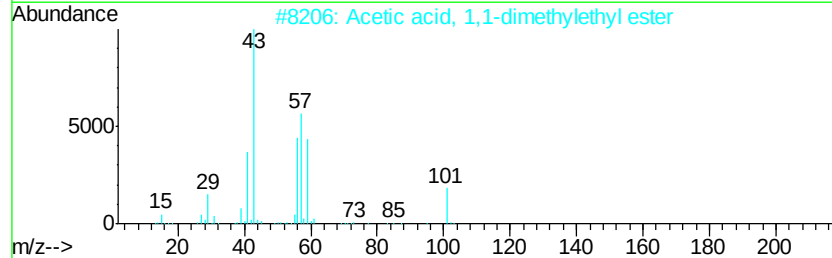
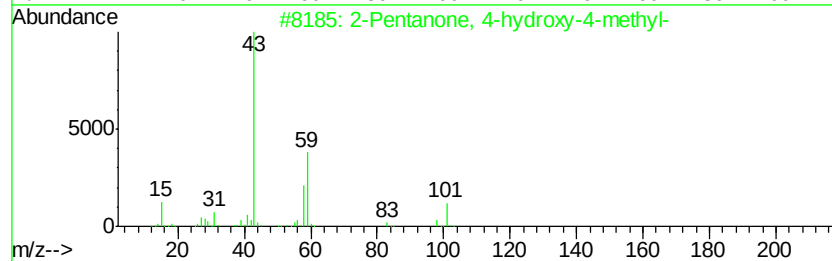
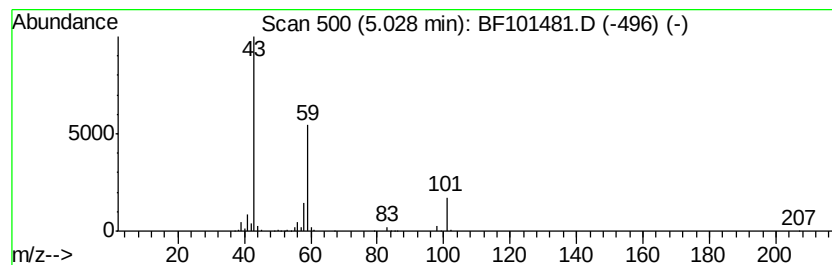
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	26.37 ng	1402690	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10



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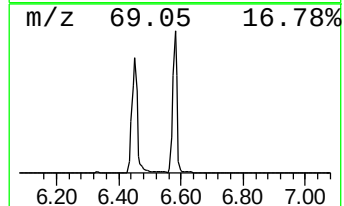
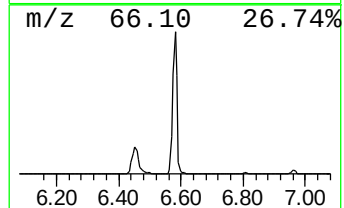
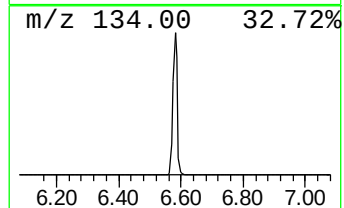
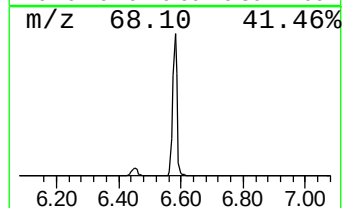
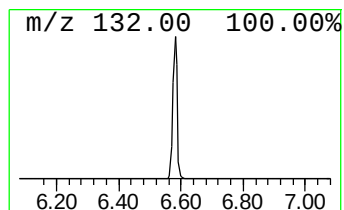
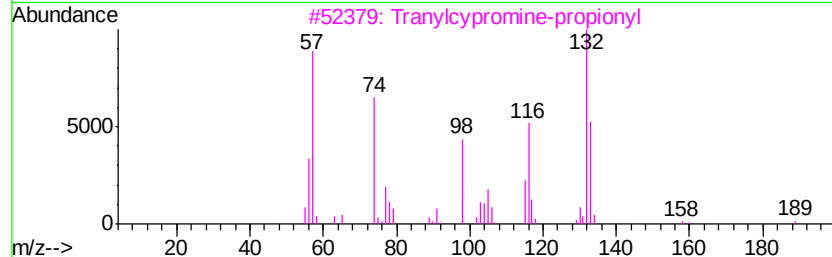
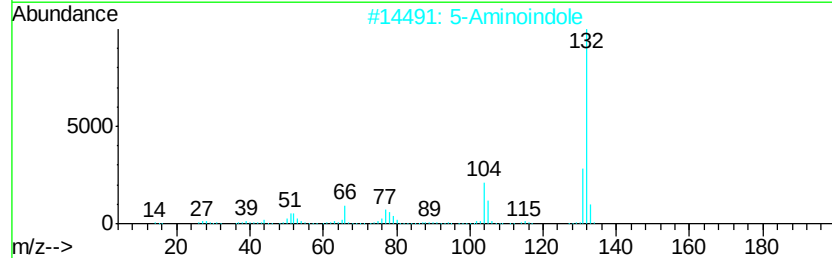
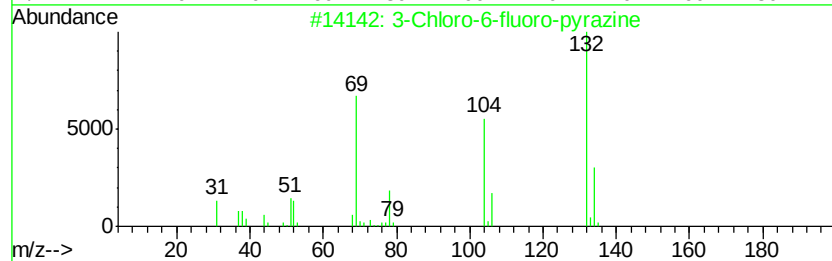
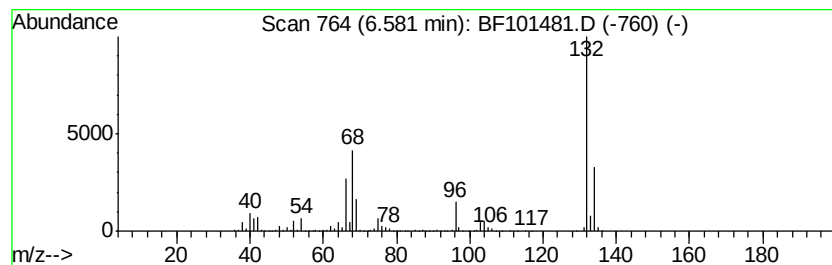
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	71.07 ng	3780270	1,4-Dichlorobenzene-d4	6.81

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4			Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5			1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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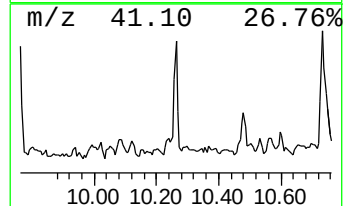
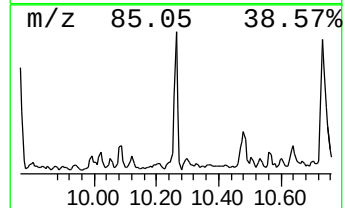
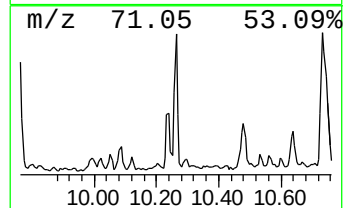
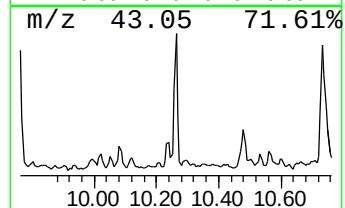
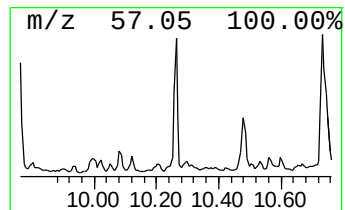
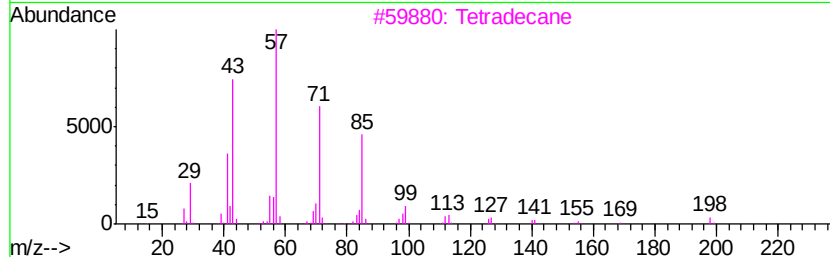
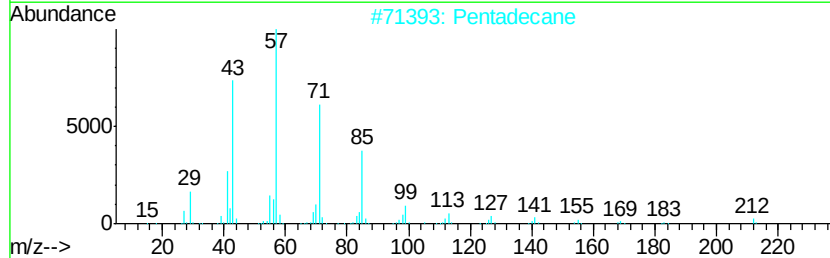
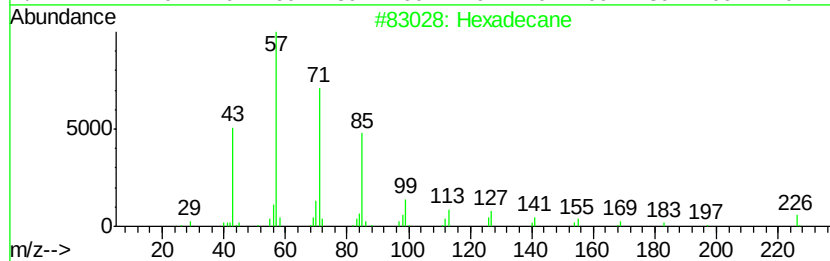
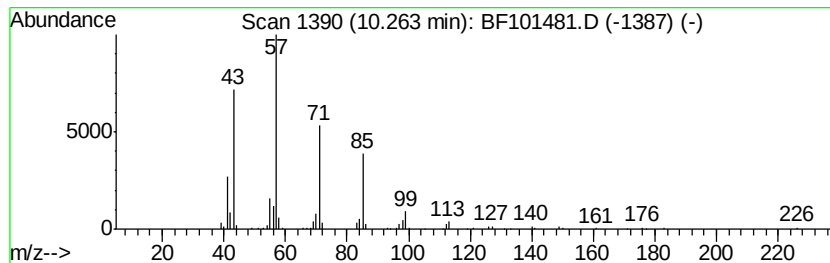
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.26	2.86 ng	189567	Acenaphthene-d10	9.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Pentadecane	212	C15H32	000629-62-9	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	10-Methylnonadecane	282	C20H42	056862-62-5	86
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53



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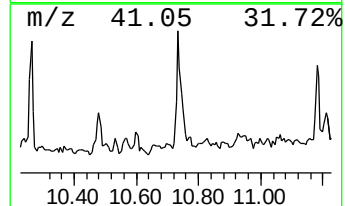
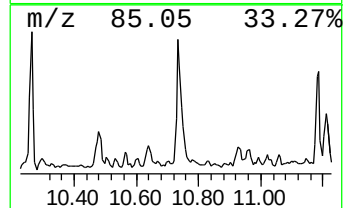
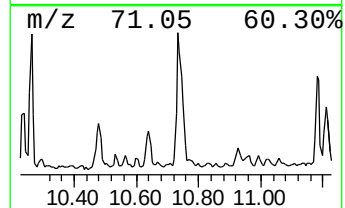
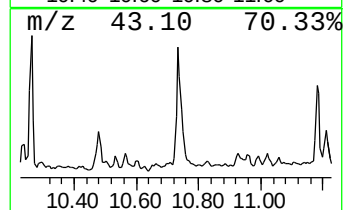
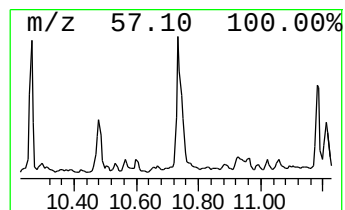
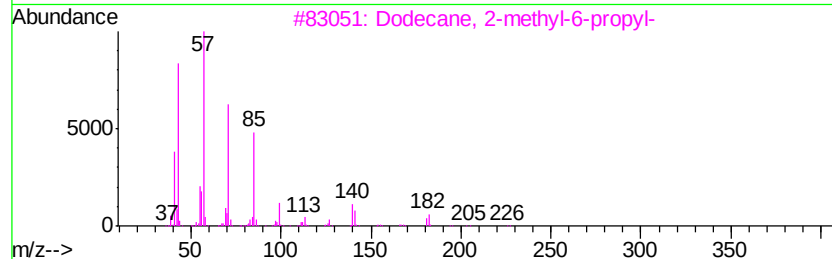
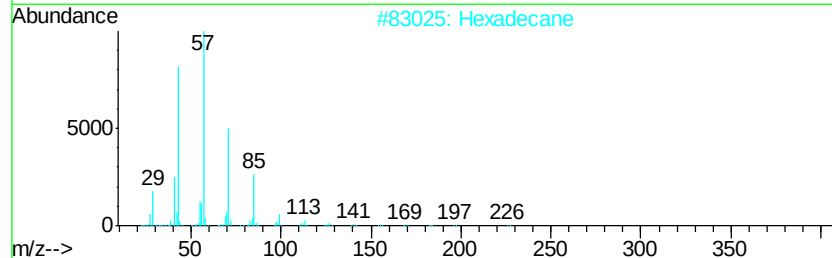
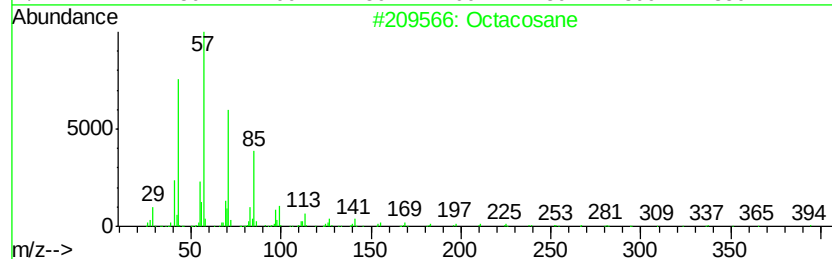
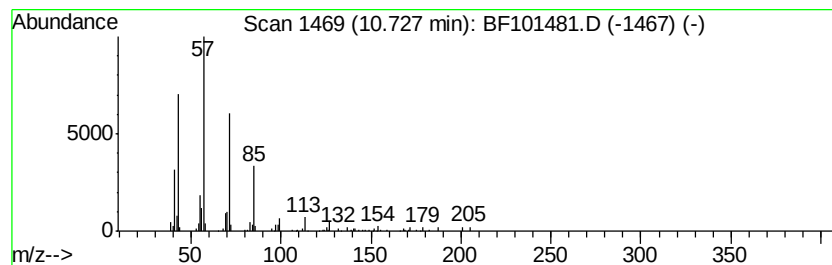
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Octacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.73	5.21 ng	316877	Phenanthrene-d10		11.34
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	90
2	Hexadecane	226	C16H34	000544-76-3	86
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
4	Tetracosane	338	C24H50	000646-31-1	78
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72



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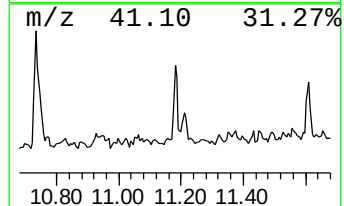
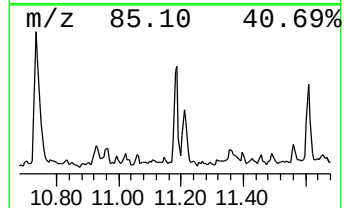
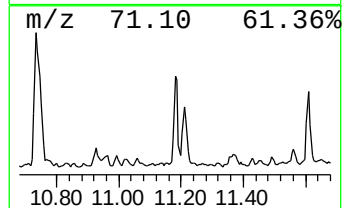
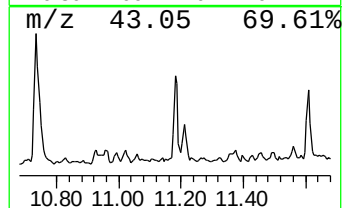
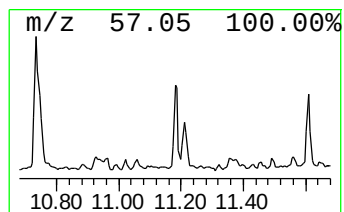
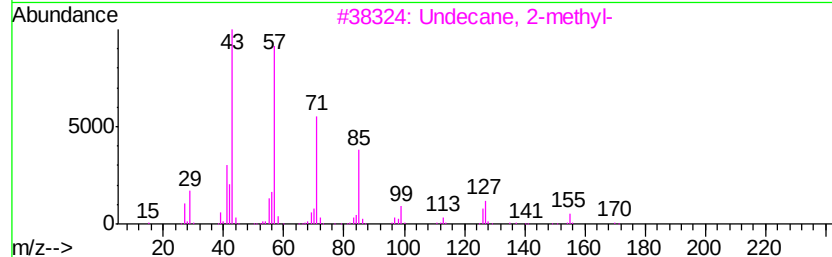
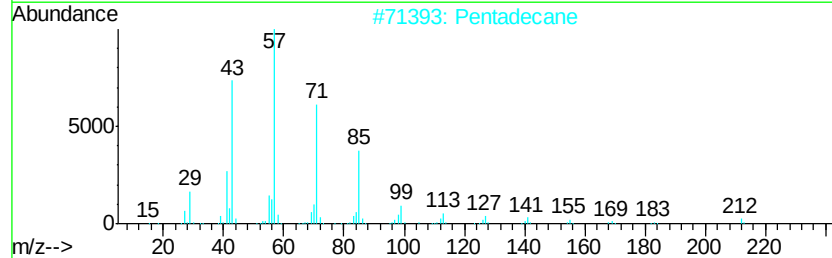
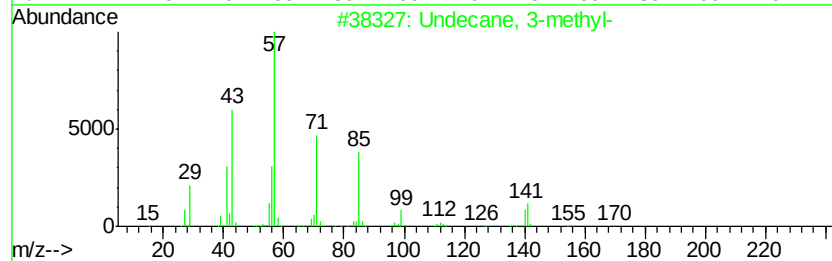
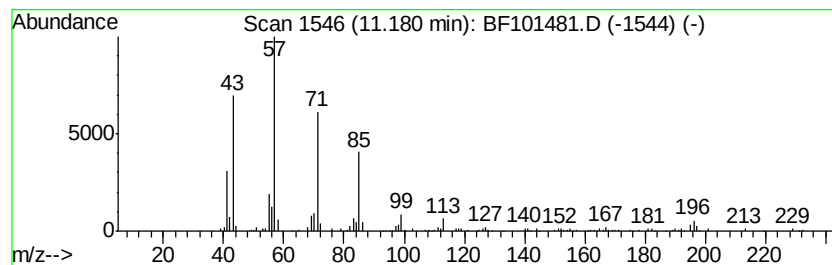
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Undecane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.18	2.32 ng	140943	Phenanthrene-d10		11.34	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-		170	C12H26	001002-43-3	80
2	Pentadecane		212	C15H32	000629-62-9	80
3	Undecane, 2-methyl-		170	C12H26	007045-71-8	80
4	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	80
5	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101481.D
Acq On : 18 Dec 2017 15:31
Operator : SJ/JU
Sample : I6680-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

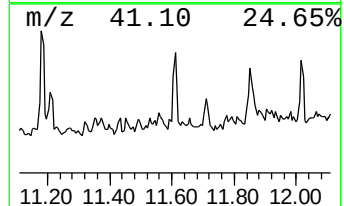
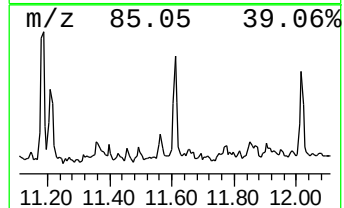
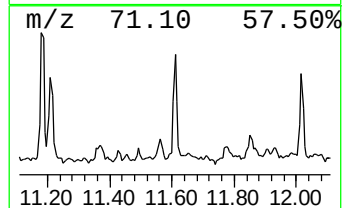
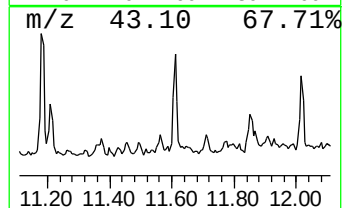
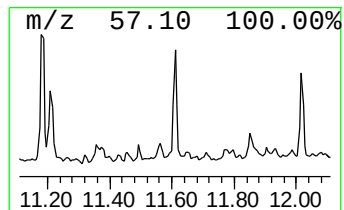
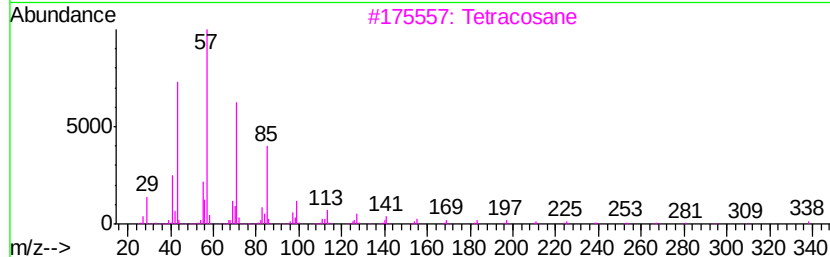
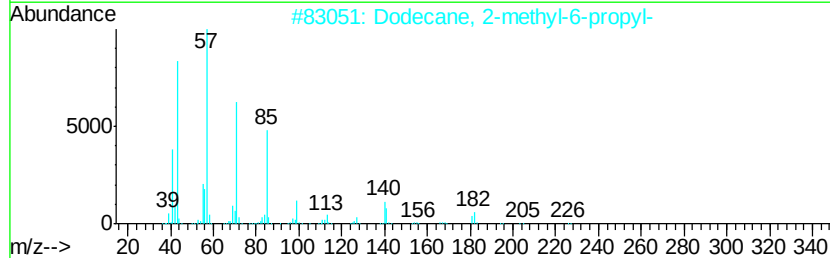
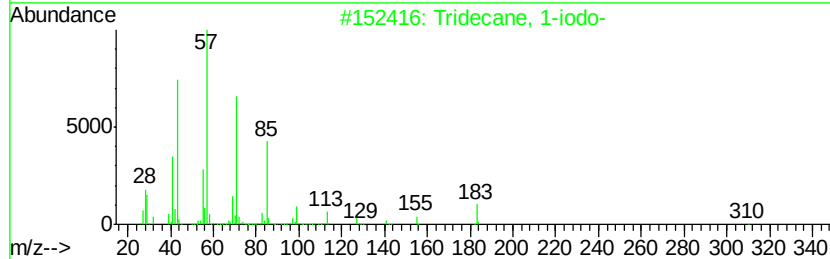
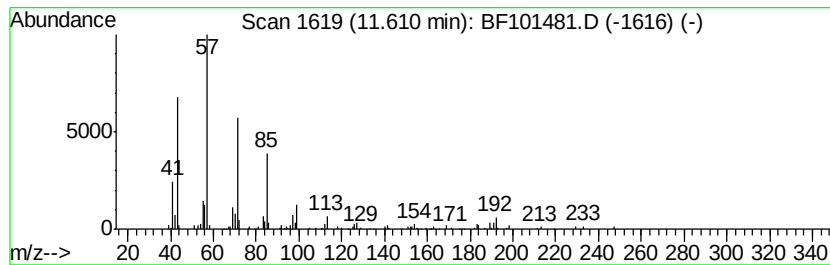
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tridecane, 1-iodo- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.61	2.00 ng	121770	Phenanthrene-d10	11.34	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
3	Tetracosane	338	C24H50	000646-31-1	80
4	Tetradecane	198	C14H30	000629-59-4	80
5	Hexacosane	366	C26H54	000630-01-3	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101481.D
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

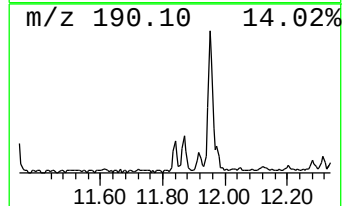
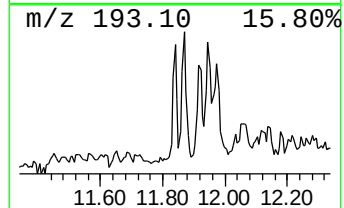
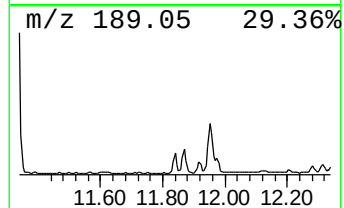
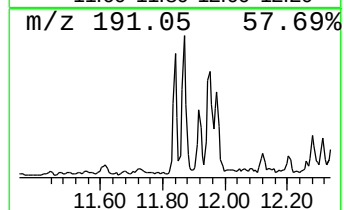
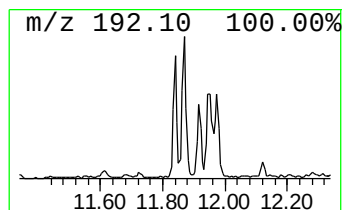
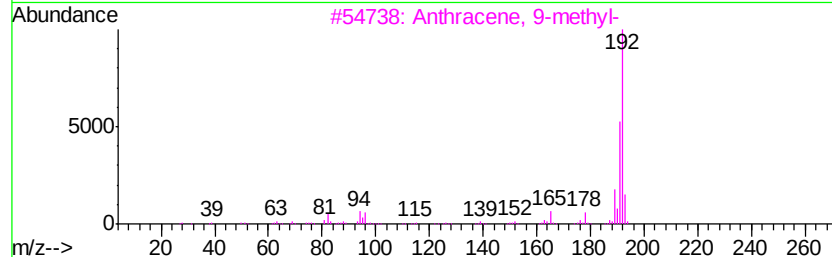
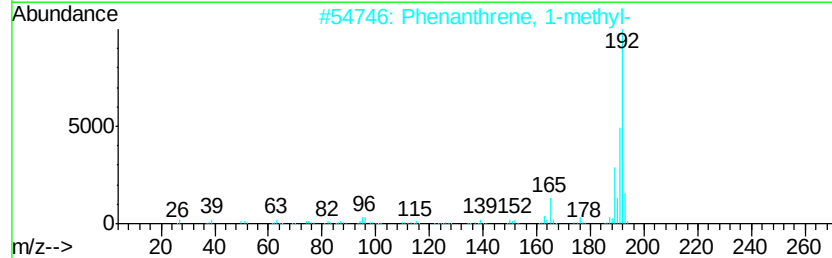
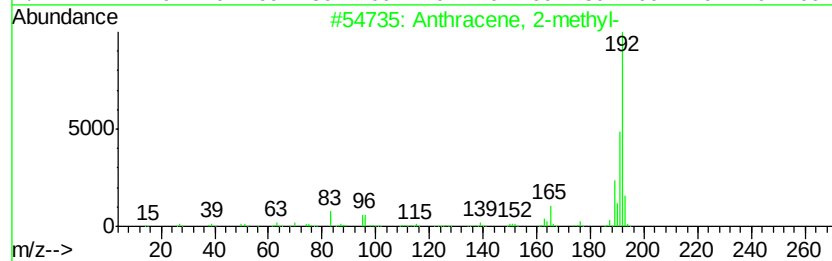
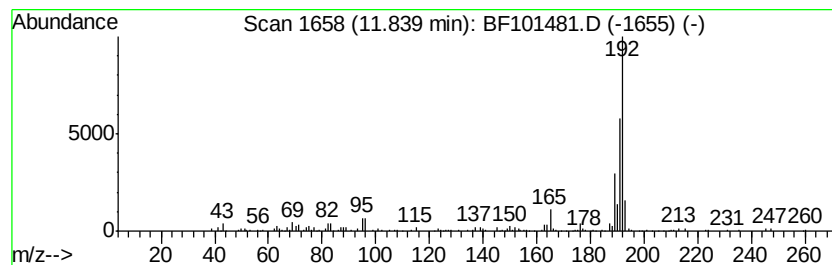
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	2.91 ng	176929	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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Operator : SJ/JU
Sample : I6680-17
Misc :
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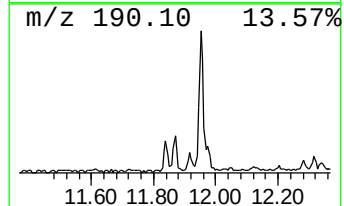
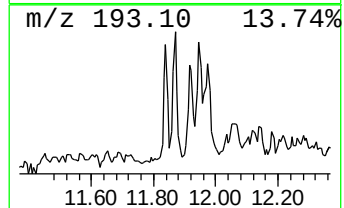
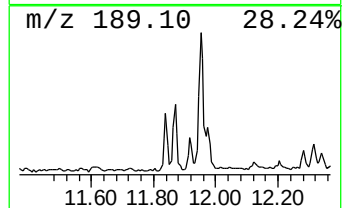
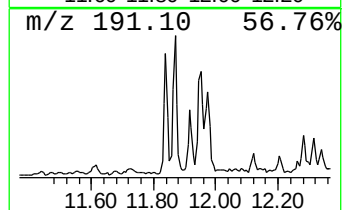
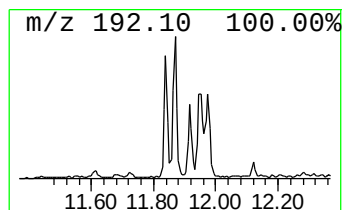
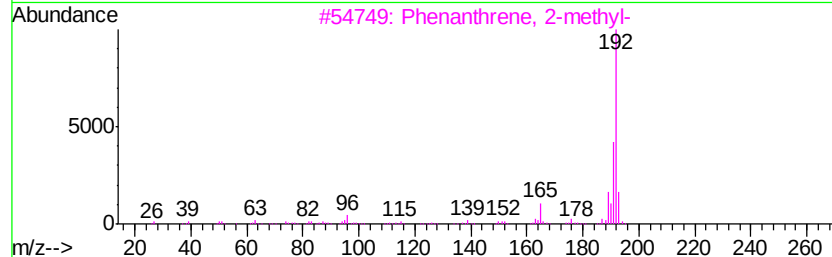
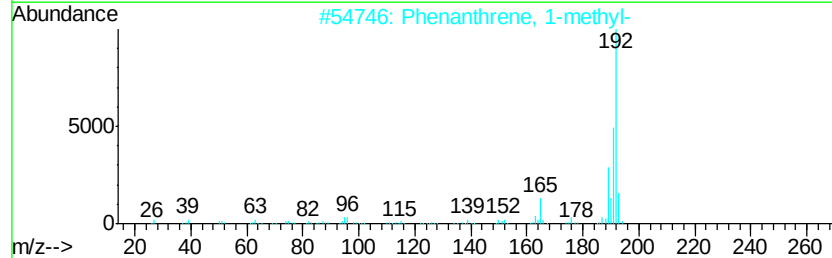
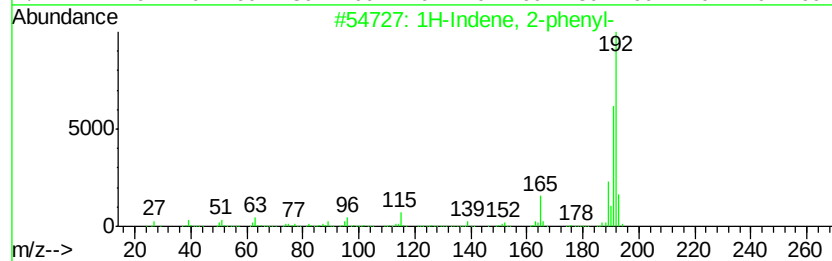
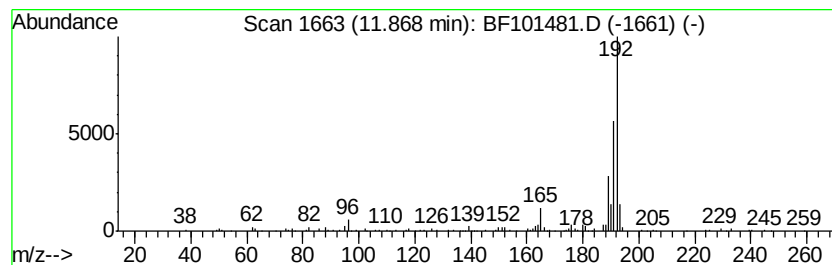
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.87	2.13 ng	129180	Phenanthrene-d10		11.34		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101481.D
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Operator : SJ/JU
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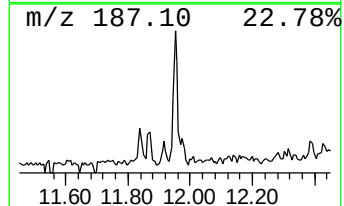
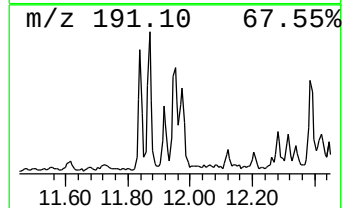
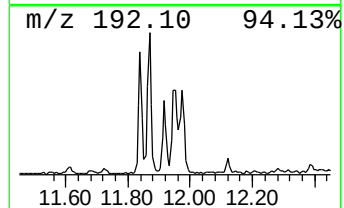
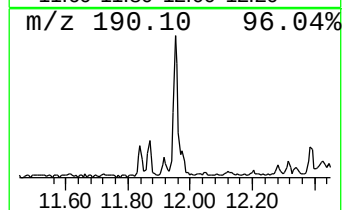
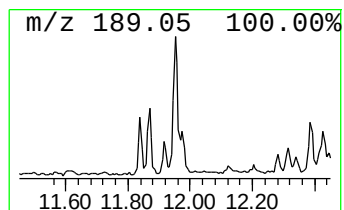
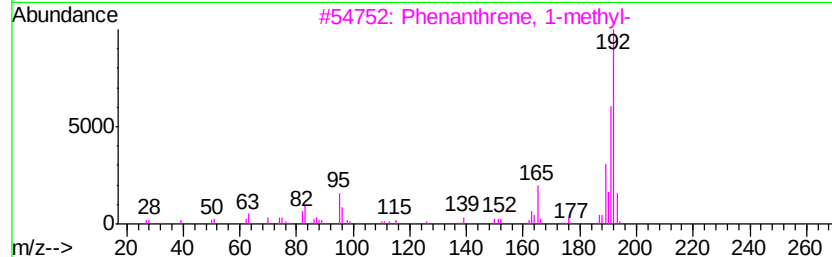
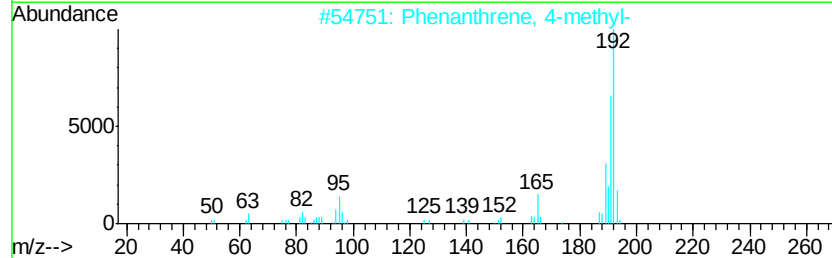
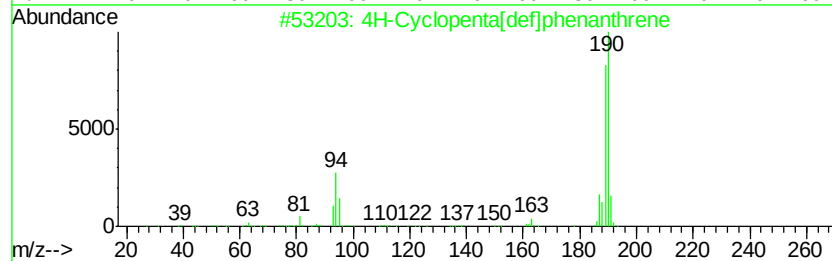
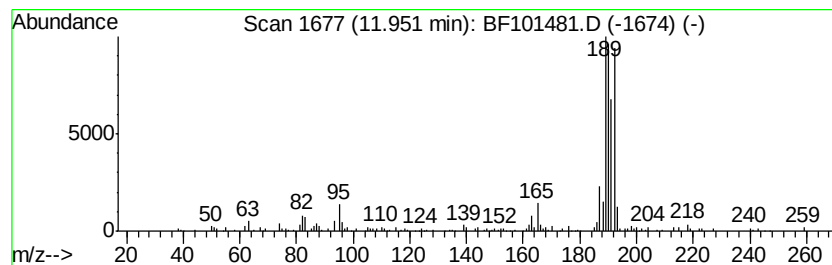
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.29 ng	139253	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5		Benzene, 1,1'-(1,2-propadienyld...	192	C15H12	014251-57-1	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101481.D
Acq On : 18 Dec 2017 15:31
Operator : SJ/JU
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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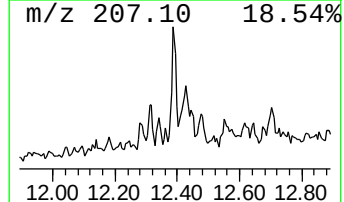
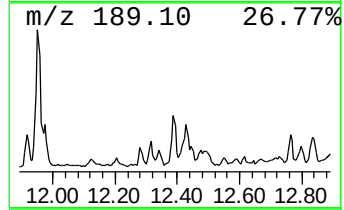
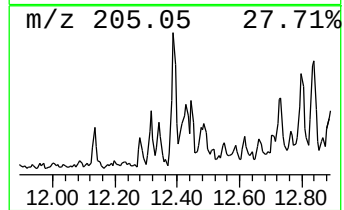
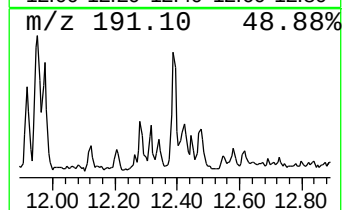
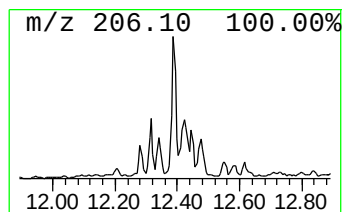
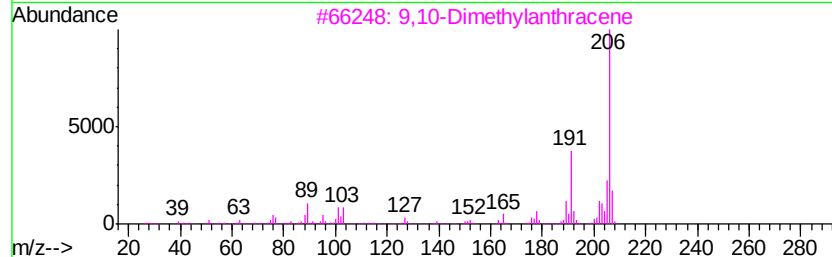
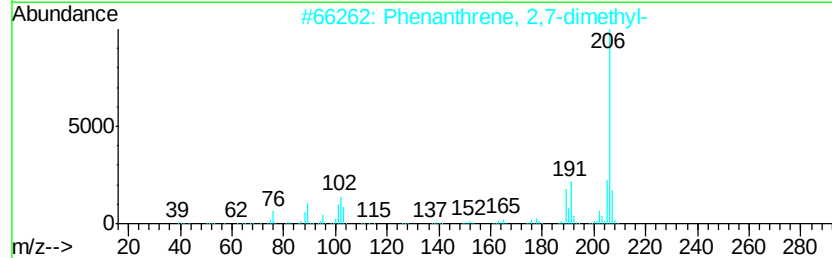
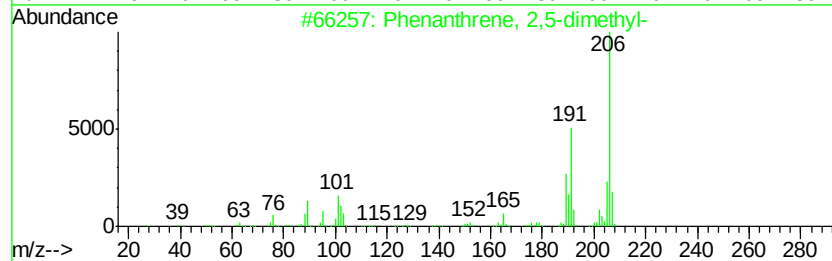
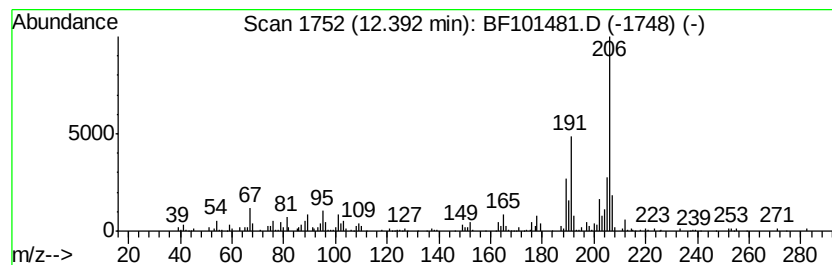
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.58 ng	156555	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
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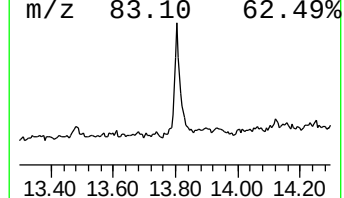
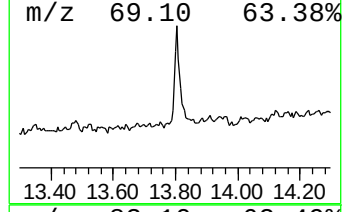
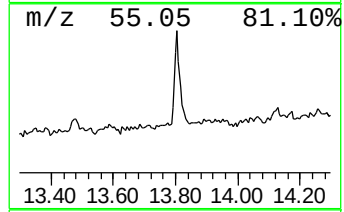
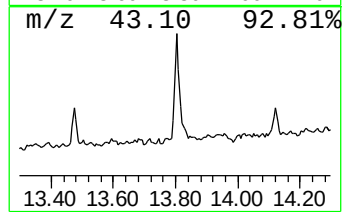
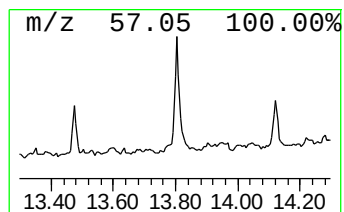
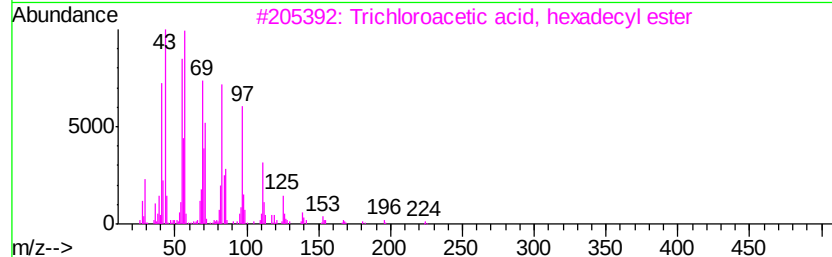
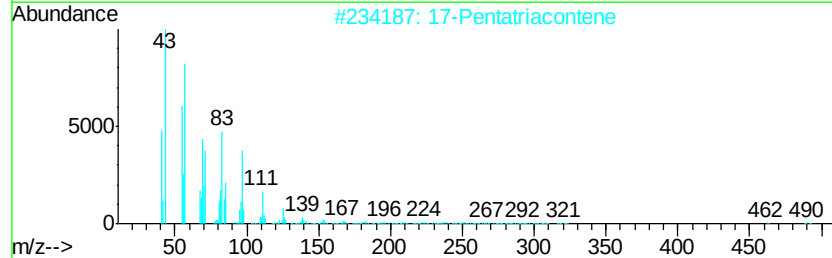
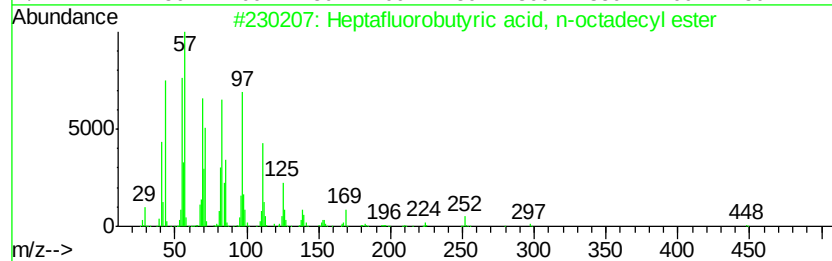
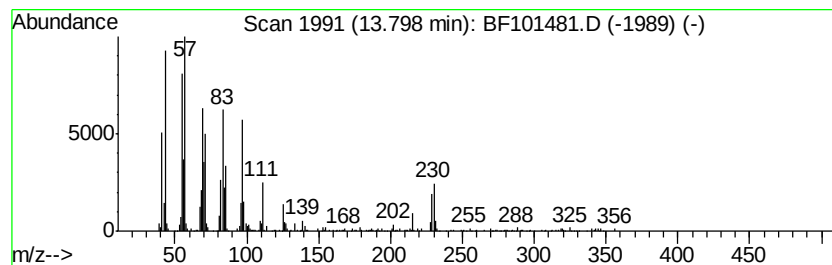
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Heptafluorobutyric acid, n-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	6.28 ng	371661	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	87
2		17-Pentatriacontene	491	C35H70	006971-40-0	87
3		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	87
4		Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	87
5		Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101481.D
Acq On : 18 Dec 2017 15:31
Operator : SJ/JU
Sample : I6680-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

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
2-Pentanone, 4-hy...	5.03	26.4	ng	1402690	1	6.81	1063880	20.0
unknown6.58	6.58	71.1	ng	3780270	1	6.81	1063880	20.0
Hexadecane	10.26	2.9	ng	189567	3	9.85	1325490	20.0
Octacosane	10.73	5.2	ng	316877	4	11.34	1215480	20.0
Undecane, 3-methyl-	11.18	2.3	ng	140943	4	11.34	1215480	20.0
Tridecane, 1-iodo-	11.61	2.0	ng	121770	4	11.34	1215480	20.0
Anthracene, 2-met...	11.84	2.9	ng	176929	4	11.34	1215480	20.0
1H-Indene, 2-phenyl-	11.87	2.1	ng	129180	4	11.34	1215480	20.0
4H-Cyclopenta[def...	11.95	2.3	ng	139253	4	11.34	1215480	20.0
Phenanthrene, 2,5...	12.39	2.6	ng	156555	4	11.34	1215480	20.0
Heptafluorobutyri...	13.80	6.3	ng	371661	5	13.99	1184120	20.0