LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090148.D
Acq On : 20 Sep 2016 21:55
Operator : UM/SJ
Sample : H4850-01 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHEPA-01(BOTTOM)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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	1.678	6	8	72	rVB	3830116	13371087	100.00%	33.422%
2	5.073	303	305	323	rBV	164937	251908	1.88%	0.630%
3	6.159	399	400	409	rBV	153786	271480	2.03%	0.679%
4	6.284	409	411	418	rVB	205630	303185	2.27%	0.758%
5	6.513	429	431	434	rBV	874704	858372	6.42%	2.146%
6	6.673	442	445	447	rBV	237879	242083	1.81%	0.605%
7	7.085	479	481	496	rBV	126005	168451	1.26%	0.421%
8	7.805	542	544	546	rBV	1423280	1282876	9.59%	3.207%
9	8.879	636	638	641	rBV	277218	363903	2.72%	0.910%
10	9.553	694	697	698	rBV	1034992	1357820	10.15%	3.394%
11	9.576	698	699	702	rVB	236669	227205	1.70%	0.568%
12	9.748	712	714	717	rBV	155216	216224	1.62%	0.540%
13	10.091	742	744	746	rBV	371784	322790	2.41%	0.807%
14	10.331	761	765	768	rBV	226096	278469	2.08%	0.696%
15	10.914	814	816	823	rVB	153351	167880	1.26%	0.420%
16	11.039	823	827	829	rBV2	1979441	3146462	23.53%	7.865%
17	11.096	829	832	834	rVV	414016	572332	4.28%	1.431%
18	11.256	842	846	850	rBV2	138913	240512	1.80%	0.601%
19	11.519	866	869	870	rBV	223756	253696	1.90%	0.634%
20	11.542	870	871	873	rVV	333157	301610	2.26%	0.754%
21	11.588	873	875	876	rVV2	156374	200573	1.50%	0.501%
22	11.622	876	878	883	rVV	419209	606577	4.54%	1.516%
23	11.816	892	895	900	rVB2	143146	272489	2.04%	0.681%
24	12.068	914	917	918	rBV	94292	145317	1.09%	0.363%
25	12.137	922	923	927	rVB3	81669	136934	1.02%	0.342%
26	12.217	927	930	933	rBV	1948551	1968072	14.72%	4.919%
27	12.365	940	943	947	rBV2	471419	618176	4.62%	1.545%
28	12.445	947	950	952	rVV	1445103	2020318	15.11%	5.050%
29	12.491	952	954	959	rVB2	83859	142865	1.07%	0.357%
30	12.594	962	963	966	rVB	317290	332784	2.49%	0.832%
31	12.662	966	969	973	rBV3	116119	214326	1.60%	0.536%
32	12.765	974	978	980	rVB2	188401	320190	2.39%	0.800%
33	12.868	986	987	991	rVB	187674	200119	1.50%	0.500%
34	13.382	1029	1032	1033	rBV2	121593	194676	1.46%	0.487%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090148.D
Acq On : 20 Sep 2016 21:55
Operator : UM/SJ
Sample : H4850-01 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHEPA-01(BOTTOM)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.428	1033	1036	1039	rVV3	112453	265463	1.99%	0.664%
36	13.622	1050	1053	1058	rBV3	1116935	2673002	19.99%	6.681%
37	14.011	1085	1087	1089	rVV	132451	158026	1.18%	0.395%
38	14.617	1137	1140	1144	rBV	779720	1555901	11.64%	3.889%
39	14.697	1145	1147	1152	rVB	174958	215659	1.61%	0.539%
40	14.857	1159	1161	1163	rBV	457825	513329	3.84%	1.283%
41	14.902	1163	1165	1168	rVV	645392	698817	5.23%	1.747%
42	14.960	1168	1170	1175	rVB2	642522	1041035	7.79%	2.602%
43	15.520	1217	1219	1226	rVB3	75812	161518	1.21%	0.404%
44	15.863	1247	1249	1255	rVB4	64978	166582	1.25%	0.416%
45	16.125	1269	1272	1276	rVB2	218723	437346	3.27%	1.093%
46	16.468	1298	1302	1307	rBV	184050	387856	2.90%	0.969%
47	18.217	1451	1455	1461	rVB	48567	160585	1.20%	0.401%

Sum of corrected areas: 40006880

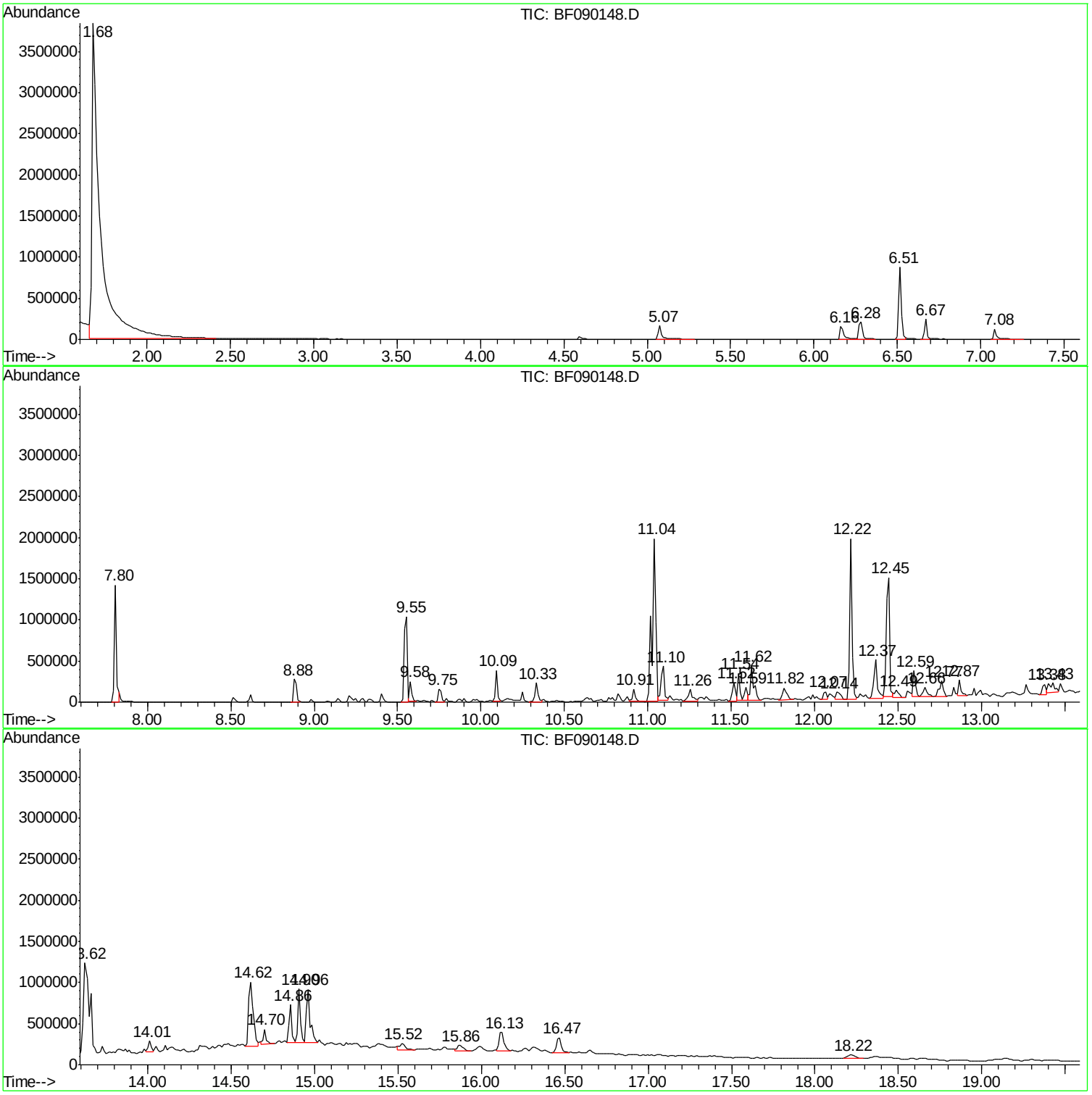
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090148.D
Acq On : 20 Sep 2016 21:55
Operator : UM/SJ
Sample : H4850-01 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FHEPA-01(BOTTOM)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090148.D
Acq On : 20 Sep 2016 21:55
Operator : UM/SJ
Sample : H4850-01 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHEPA-01(BOTTOM)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

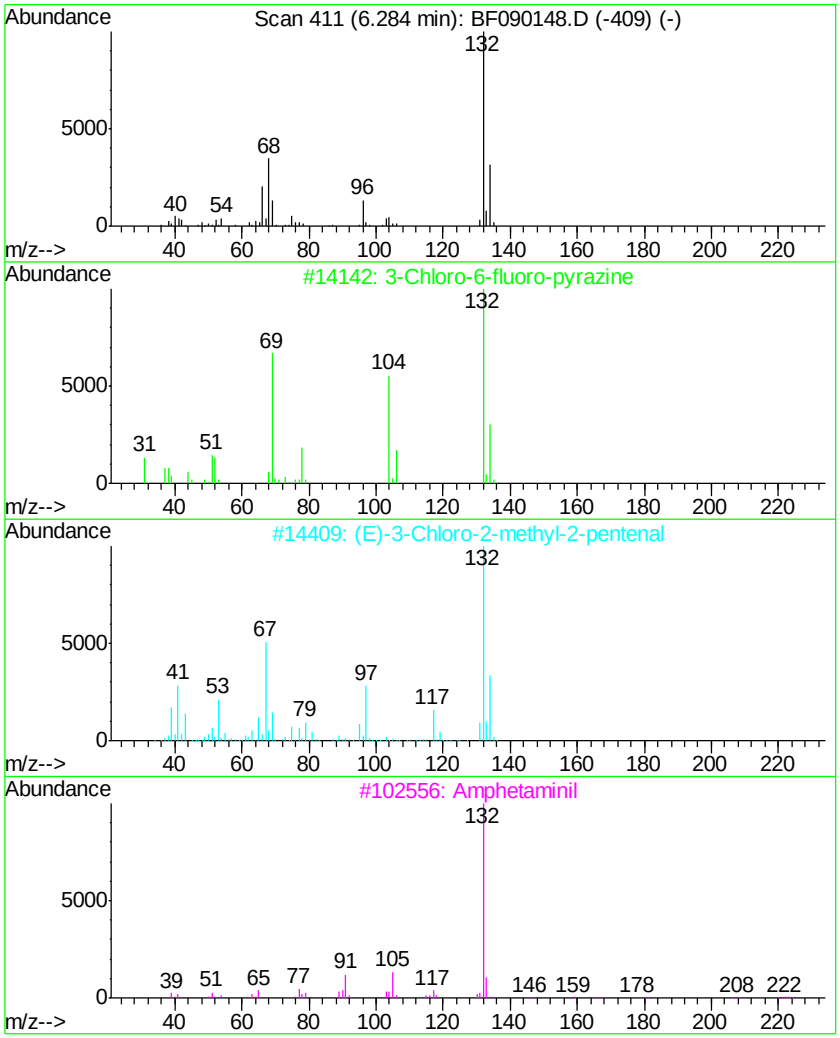
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

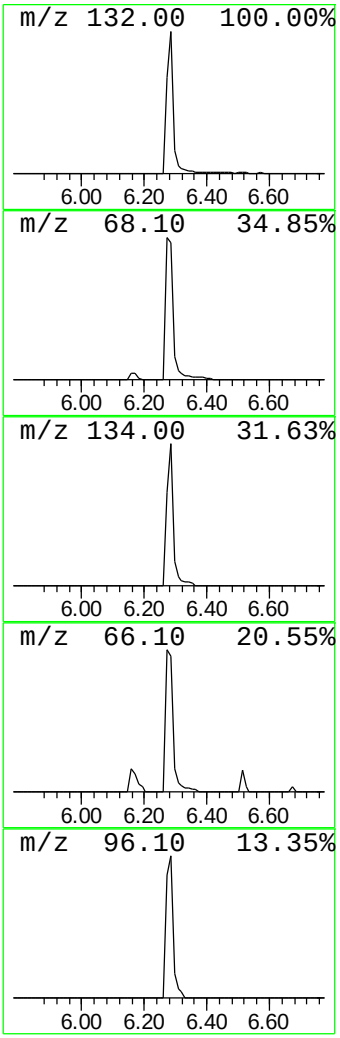
****

Peak Number 2 unknown6.28 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.28	7.06 ng	303185	1,4-Dichlorobenzene-d4	6.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090148.D
Acq On : 20 Sep 2016 21:55
Operator : UM/SJ
Sample : H4850-01 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHEPA-01(BOTTOM)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

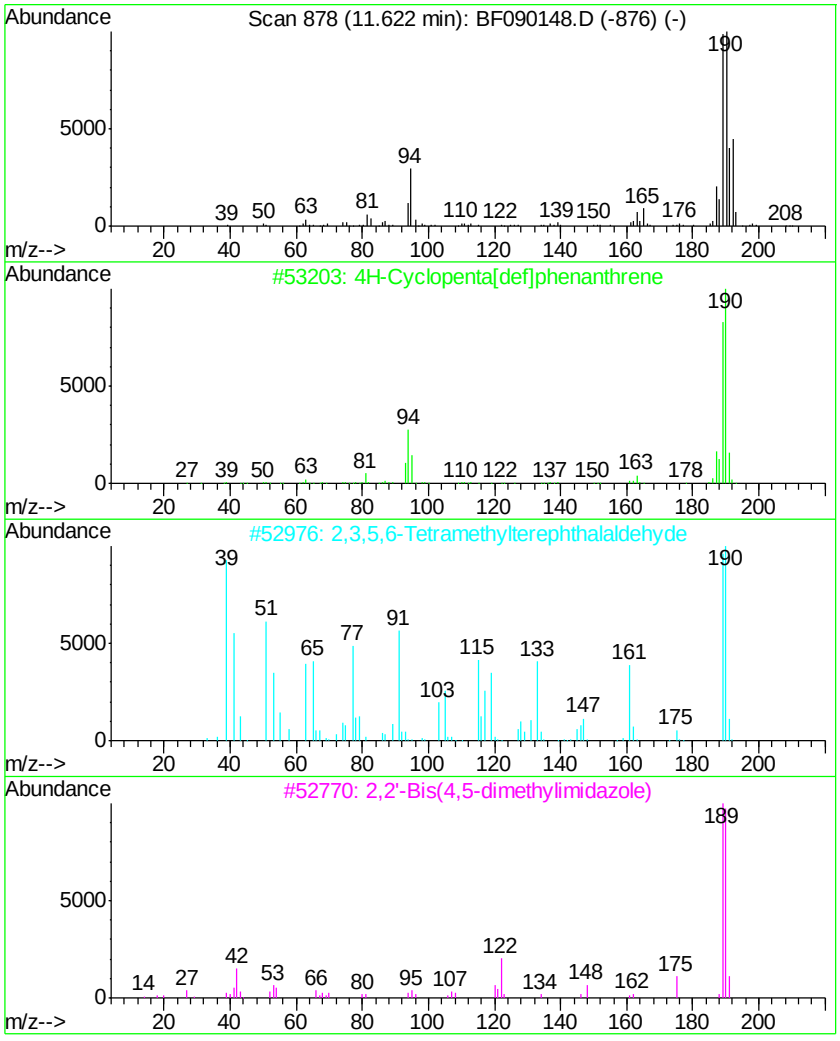
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

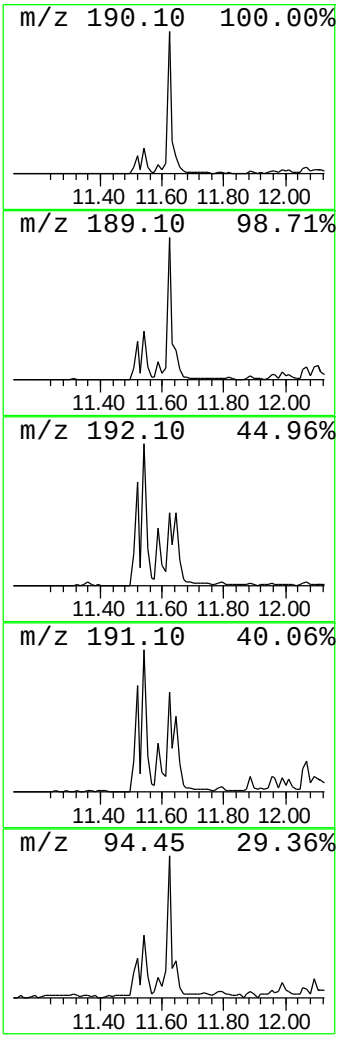
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	3.86 ng	606577	Phenanthrene-d10	11.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	32
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	25
5	1-Chloro-4-(2-chloro-2-fluoroeth...	190	C8H5Cl2F	1000305-36-3	12





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090148.D
Acq On : 20 Sep 2016 21:55
Operator : UM/SJ
Sample : H4850-01 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHEPA-01(BOTTOM)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

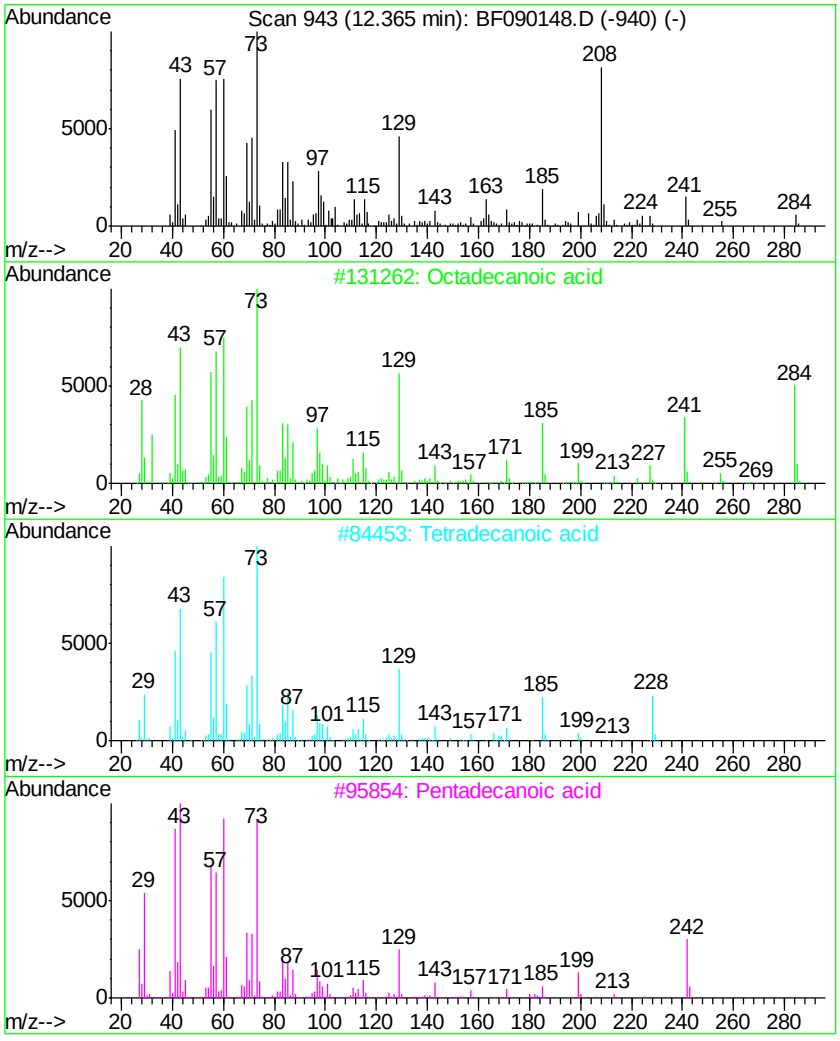
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

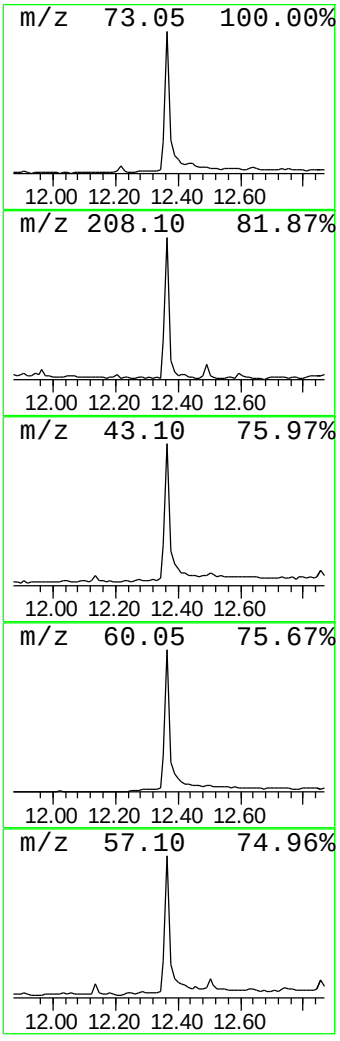
****

Peak Number 5 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	4.63 ng	618176	Chrysene-d12	13.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
4	n-Decanoic acid	172	C10H20O2	000334-48-5	53
5	Undecanoic acid	186	C11H22O2	000112-37-8	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090148.D
Acq On : 20 Sep 2016 21:55
Operator : UM/SJ
Sample : H4850-01 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHEPA-01(BOTTOM)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

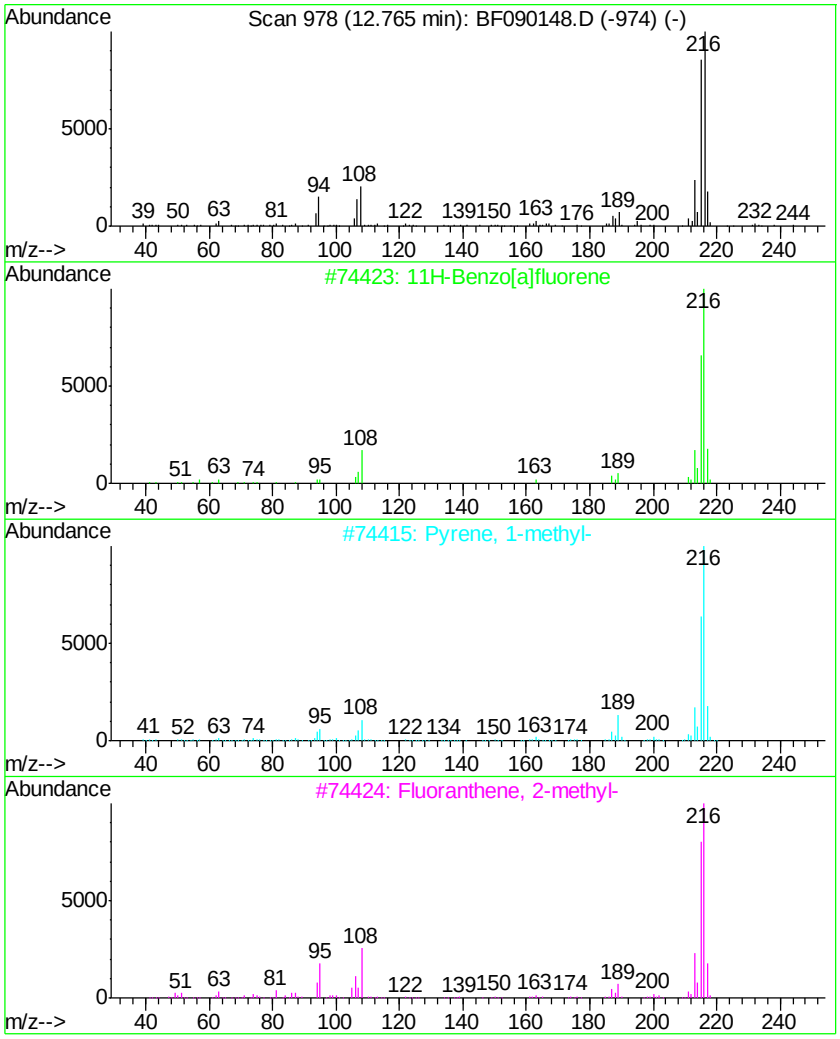
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

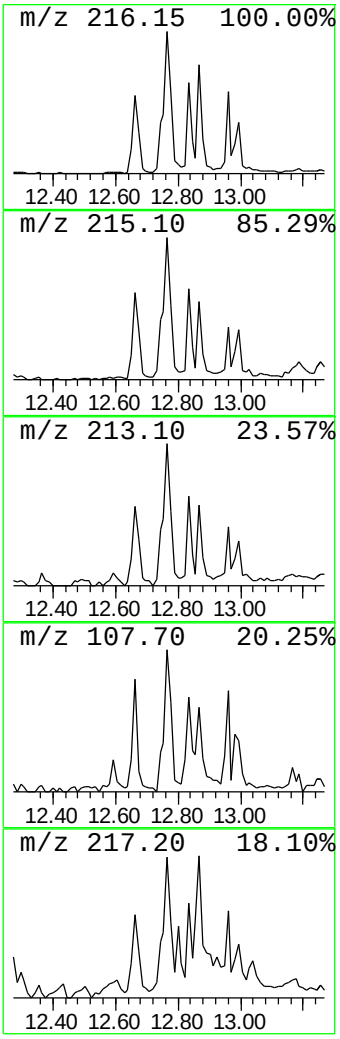
****

Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	2.40 ng	320190	Chrysene-d12	13.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090148.D
Acq On : 20 Sep 2016 21:55
Operator : UM/SJ
Sample : H4850-01 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHEPA-01(BOTTOM)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

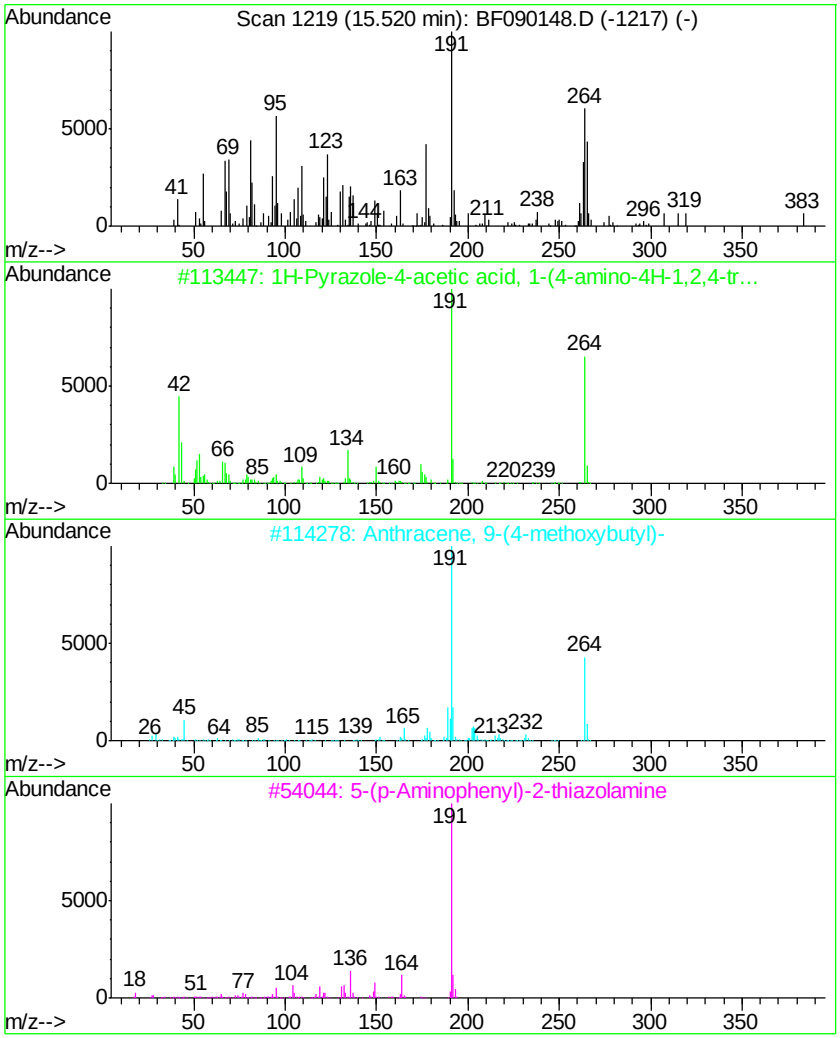
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

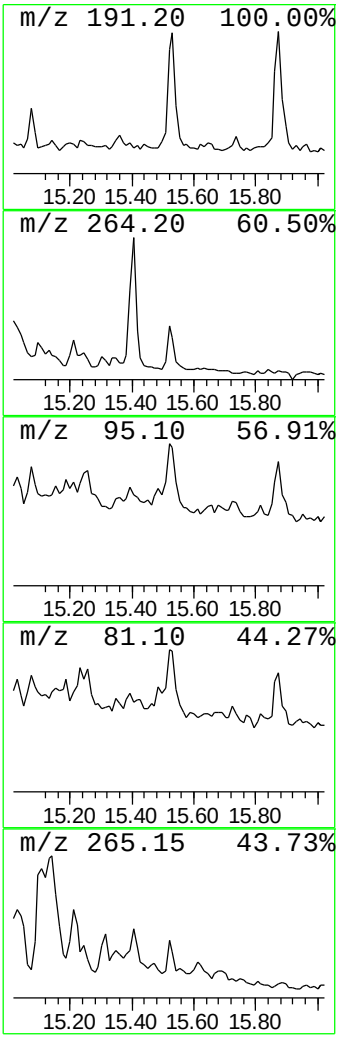
****

Peak Number 8 unknown15.52 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	3.10 ng	161518	Perylene-d12	14.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrazole-4-acetic acid, 1-(4-...	264	C11H16N6O2	1000337-51-2	27
2	Anthracene, 9-(4-methoxybutyl)-	264	C19H20O	144000-76-0	27
3	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	22
4	Silane, diethylethoxy(2-isopropy...	266	C15H26O2Si	1000363-84-5	18
5	2-Phenylamino-5,6(4H)dihydro-1,3...	192	C10H12N2S	1000147-35-4	14





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090148.D
Acq On : 20 Sep 2016 21:55
Operator : UM/SJ
Sample : H4850-01 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHEPA-01(BOTTOM)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

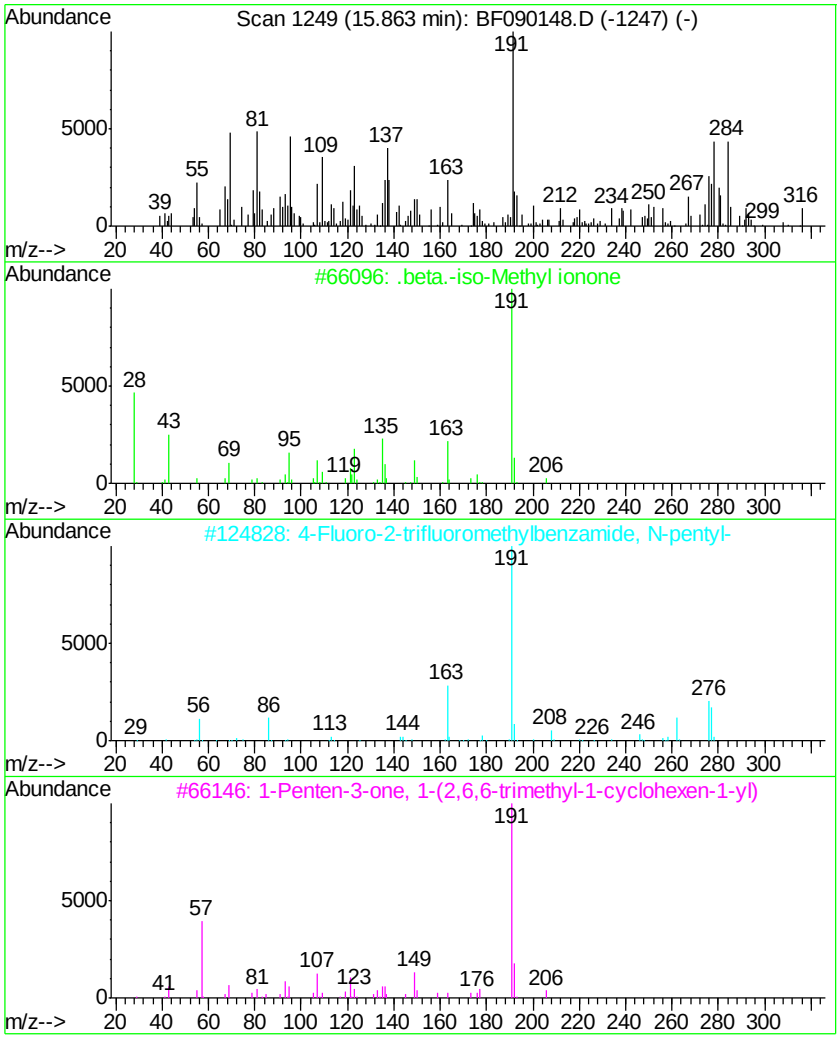
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

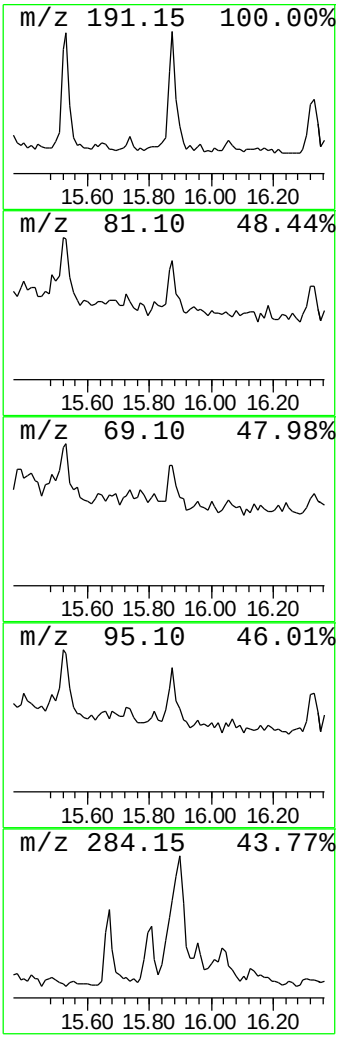
****

Peak Number 9 unknown15.86 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	3.20 ng	166582	Perylene-d12	14.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	38
2	4-Fluoro-2-trifluoromethylbenzam...	277	C13H15F4NO	1000358-08-7	12
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	11
4	1H-1,3-Benzimidazole, 5-methoxy-...	274	C15H22N4O	1000337-53-6	11
5	5-Fluoro-2-trifluoromethylbenzoi...	418	C23H34F4O2	1000338-55-8	10





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Data File : BF090148.D
Acq On : 20 Sep 2016 21:55
Operator : UM/SJ
Sample : H4850-01 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHEPA-01(BOTTOM)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

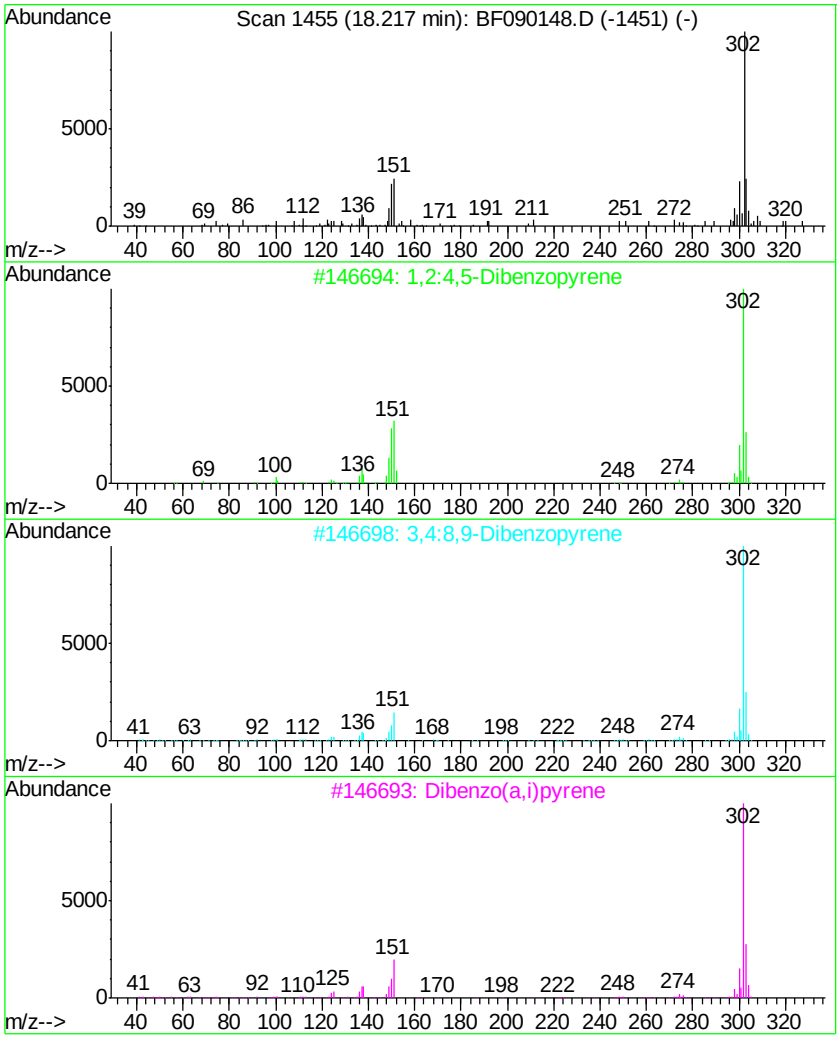
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

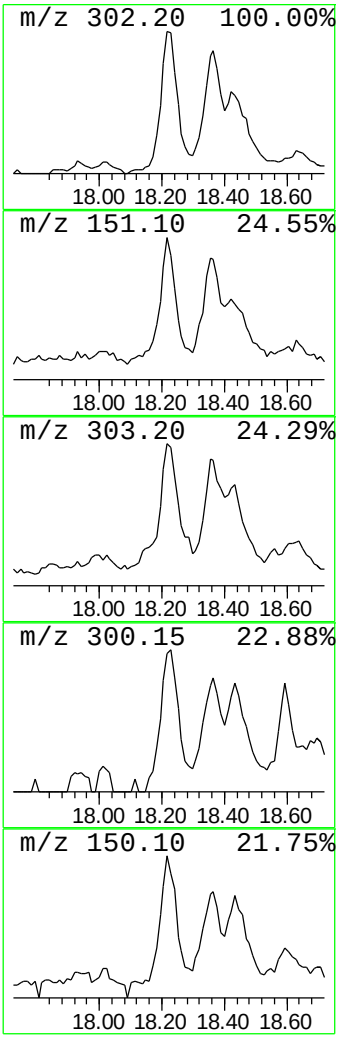
****

Peak Number 10 1,2:4,5-Dibenzopyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	3.09 ng	160585	Perylene-d12	14.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
3	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	92
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	89
5	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090148.D
Acq On : 20 Sep 2016 21:55
Operator : UM/SJ
Sample : H4850-01 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHEPA-01(BOTTOM)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.28	6.28	7.1	ng	303185	1	6.51	858372	20.0
4H-Cyclopenta[def...	11.62	3.9	ng	606577	4	11.02	3146460	20.0
Octadecanoic acid	12.37	4.6	ng	618176	5	13.63	2673000	20.0
11H-Benzo[a]fluorene	12.77	2.4	ng	320190	5	13.63	2673000	20.0
unknown15.52	15.52	3.1	ng	161518	6	14.96	1041040	20.0
unknown15.86	15.86	3.2	ng	166582	6	14.96	1041040	20.0
1,2:4,5-Dibenzopy...	18.22	3.1	ng	160585	6	14.96	1041040	20.0