LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090035.D
Acq On : 8 Sep 2016 20:17
Operator : UM/SJ
Sample : H4704-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6-4.0-5.0

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-BF083116.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	1.724	10	12	60	rVB	4856110	13012783	100.00%	15.700%
2	4.719	272	274	292	rVB	626470	1080668	8.30%	1.304%
3	5.176	311	314	316	rBV	3509951	3976067	30.56%	4.797%
4	6.250	404	408	410	rBV	3651400	4607056	35.40%	5.558%
5	6.364	415	418	420	rBV	4173838	4251658	32.67%	5.129%
6	6.593	436	438	445	rBV	850725	1114705	8.57%	1.345%
7	6.753	449	452	468	rVB	3454397	3418438	26.27%	4.124%
8	7.164	485	488	497	rBV	2177304	2686441	20.64%	3.241%
9	7.885	548	551	553	rBV	1628519	1546717	11.89%	1.866%
10	8.970	643	646	648	rBV	3899470	5160945	39.66%	6.227%
11	9.359	678	680	683	rBV	1324590	1652921	12.70%	1.994%
12	9.633	701	704	705	rBV	1651256	1764741	13.56%	2.129%
13	9.656	705	706	709	rVB	473902	484432	3.72%	0.584%
14	10.171	749	751	754	rVV	232457	238590	1.83%	0.288%
15	10.411	769	772	775	rBV	2471395	2793053	21.46%	3.370%
16	10.548	781	784	788	rVB2	85618	188403	1.45%	0.227%
17	10.993	822	823	830	rVB	171307	225268	1.73%	0.272%
18	11.119	830	834	837	rBV2	1636208	3722042	28.60%	4.491%
19	11.176	837	839	841	rVB	466636	476737	3.66%	0.575%
20	11.336	849	853	857	rBV2	173721	305514	2.35%	0.369%
21	11.428	857	861	867	rVB5	59094	139738	1.07%	0.169%
22	11.599	873	876	877	rBV	168997	170391	1.31%	0.206%
23	11.622	877	878	880	rVV	171074	230818	1.77%	0.278%
24	11.668	880	882	884	rVV2	73035	149344	1.15%	0.180%
25	11.702	884	885	891	rVB	332597	520899	4.00%	0.628%
26	11.896	900	902	907	rBV2	120023	246647	1.90%	0.298%
27	12.296	935	937	940	rBV	1966878	2835882	21.79%	3.421%
28	12.445	947	950	954	rBV	102462	154472	1.19%	0.186%
29	12.525	954	957	960	rBV	2416129	2892113	22.23%	3.489%
30	12.571	960	961	966	rVB2	129626	225049	1.73%	0.272%
31	12.651	966	968	969	rBV	124516	173404	1.33%	0.209%
32	12.685	969	971	974	rVV	4022426	4207943	32.34%	5.077%
33	12.742	974	976	978	rVV2	118086	232504	1.79%	0.281%
34	12.856	981	986	988	rVV	366260	514638	3.95%	0.621%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090035.D
Acq On : 8 Sep 2016 20:17
Operator : UM/SJ
Sample : H4704-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6-4.0-5.0

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-BF083116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.925	990	992	993	rVV	279739	345438	2.65%	0.417%
36	12.959	993	995	999	rVV2	173567	425287	3.27%	0.513%
37	13.279	1017	1023	1026	rBV2	93112	255130	1.96%	0.308%
38	13.359	1026	1030	1032	rVV2	68177	139003	1.07%	0.168%
39	13.462	1037	1039	1041	rBV	188261	319325	2.45%	0.385%
40	13.508	1041	1043	1047	rVV3	142751	372209	2.86%	0.449%
41	13.588	1049	1050	1053	rVV	142693	170987	1.31%	0.206%
42	13.714	1057	1061	1067	rBV2	1940784	4455285	34.24%	5.375%
43	13.817	1067	1070	1072	rBV	286623	286169	2.20%	0.345%
44	13.919	1076	1079	1080	rBV3	112644	161797	1.24%	0.195%
45	13.942	1080	1081	1087	rVB2	111532	212712	1.63%	0.257%
46	14.102	1092	1095	1096	rVV	137934	149365	1.15%	0.180%
47	14.194	1100	1103	1104	rBV	108463	165377	1.27%	0.200%
48	14.239	1104	1107	1109	rVB3	129030	238221	1.83%	0.287%
49	14.400	1119	1121	1126	rBV3	99804	247618	1.90%	0.299%
50	14.571	1132	1136	1139	rVV4	85233	204176	1.57%	0.246%
51	14.697	1145	1147	1152	rVV	1134648	2301248	17.68%	2.776%
52	14.788	1153	1155	1160	rVV2	240200	407318	3.13%	0.491%
53	14.880	1160	1163	1164	rVV2	85982	169840	1.31%	0.205%
54	14.948	1167	1169	1172	rVV	643851	873648	6.71%	1.054%
55	15.005	1172	1174	1176	rVV	936781	1143050	8.78%	1.379%
56	15.051	1176	1178	1188	rVV2	867144	1719102	13.21%	2.074%
57	15.234	1188	1194	1198	rVV3	56485	200467	1.54%	0.242%
58	15.485	1212	1216	1217	rBV2	66308	132108	1.02%	0.159%
59	15.897	1249	1252	1259	rBV4	40593	156301	1.20%	0.189%
60	16.125	1267	1272	1278	rBV3	85591	274305	2.11%	0.331%
61	16.263	1281	1284	1288	rVB2	322769	627513	4.82%	0.757%
62	16.411	1293	1297	1299	rBV2	69737	151393	1.16%	0.183%
63	16.617	1312	1315	1323	rBV	236052	576748	4.43%	0.696%
64	16.811	1330	1332	1340	rVB2	77178	202629	1.56%	0.244%
65	18.457	1469	1476	1483	rVB	58044	234674	1.80%	0.283%
66	18.606	1484	1489	1493	rBV	45377	167012	1.28%	0.201%

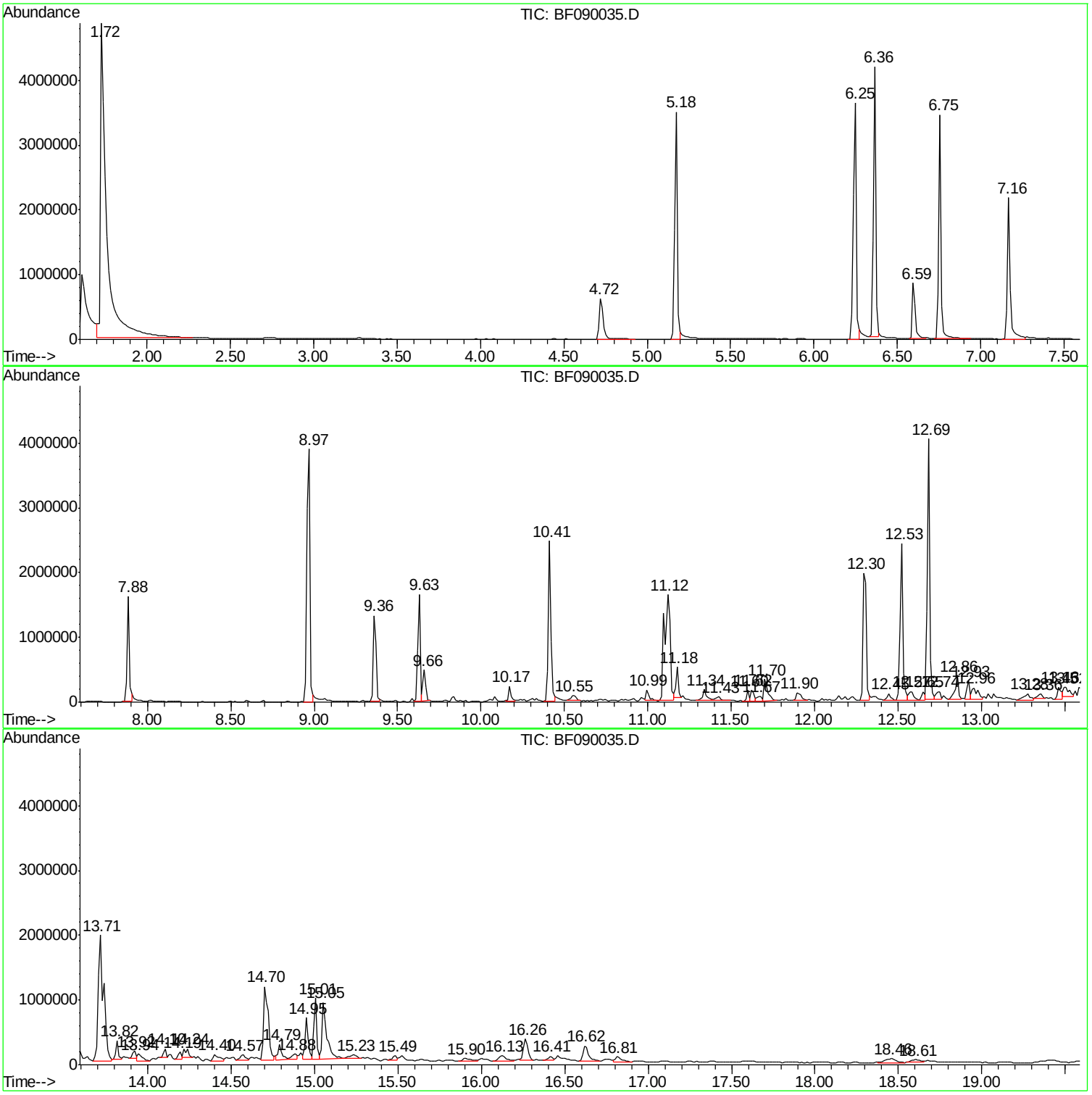
Sum of corrected areas: 82886476

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090035.D
Acq On : 8 Sep 2016 20:17
Operator : UM/SJ
Sample : H4704-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-4.0-5.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.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\BF090816\
Data File : BF090035.D
Acq On : 8 Sep 2016 20:17
Operator : UM/SJ
Sample : H4704-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6-4.0-5.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

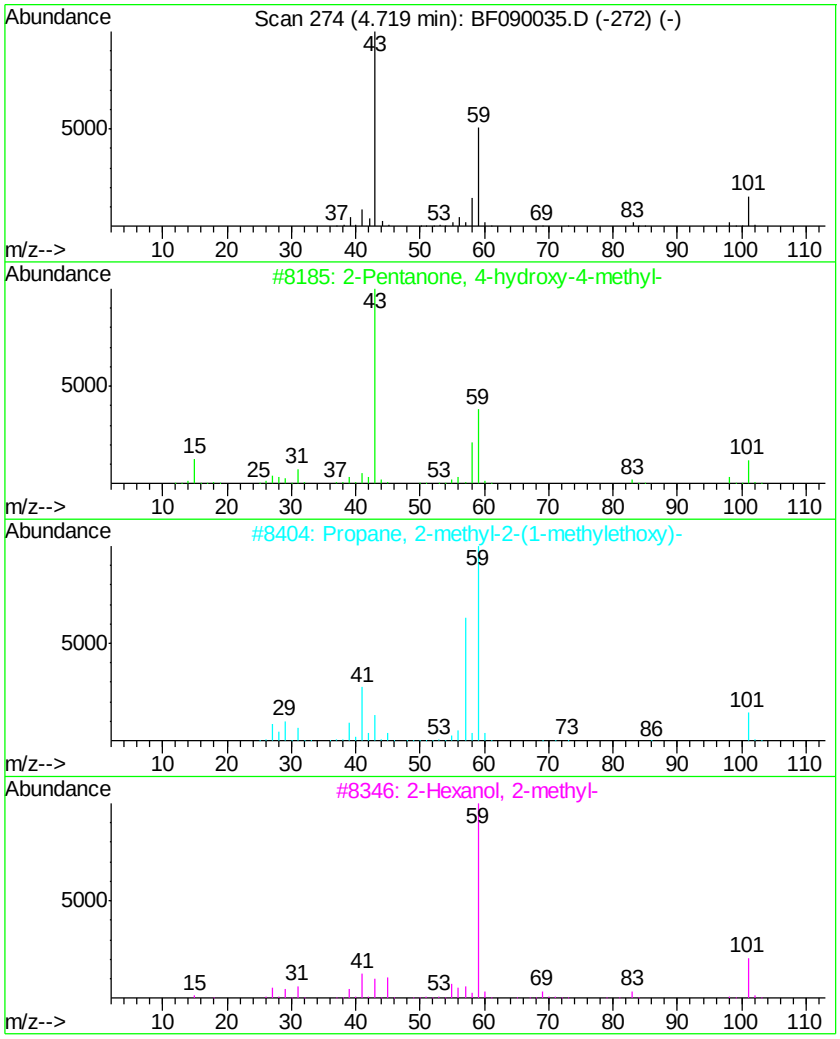
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

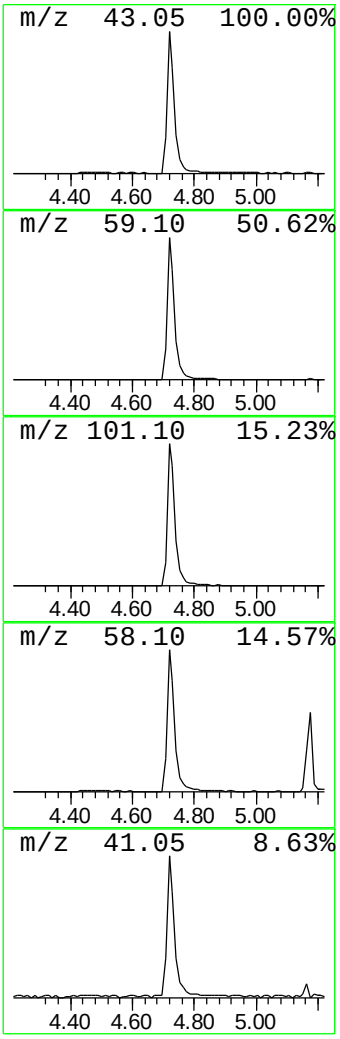
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.72	19.39 ng	1080670	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090035.D
Acq On : 8 Sep 2016 20:17
Operator : UM/SJ
Sample : H4704-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6-4.0-5.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

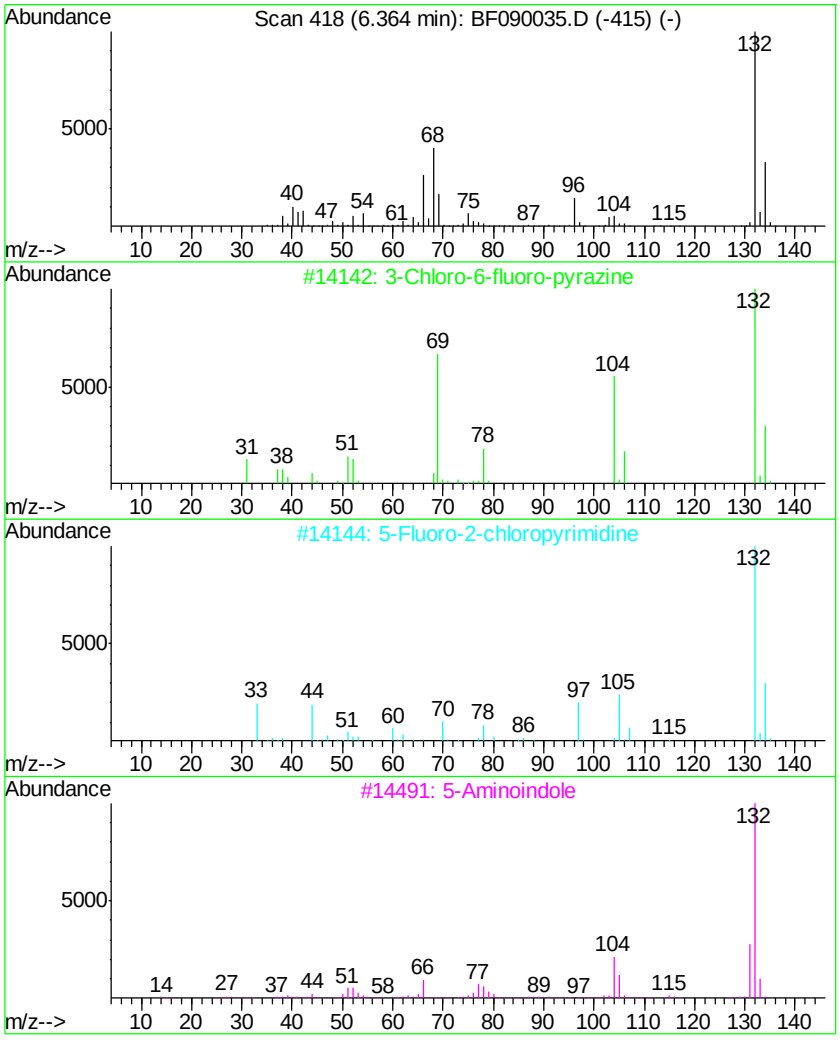
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

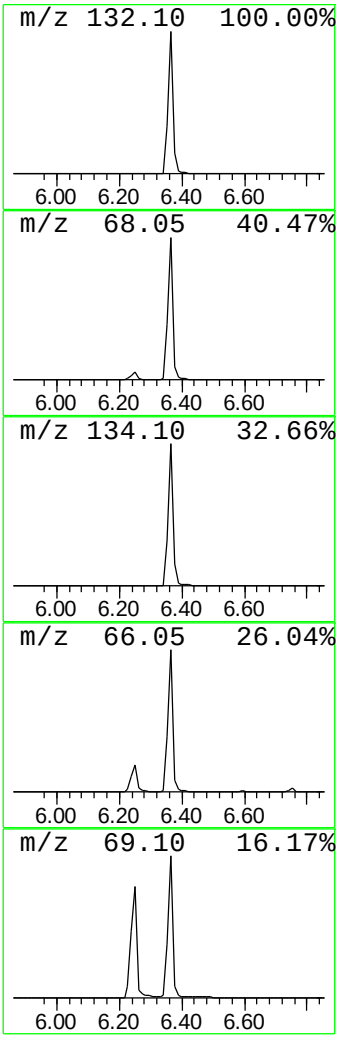
****

Peak Number 3 unknown6.36 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	76.28 ng	4251660	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090035.D
Acq On : 8 Sep 2016 20:17
Operator : UM/SJ
Sample : H4704-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6-4.0-5.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

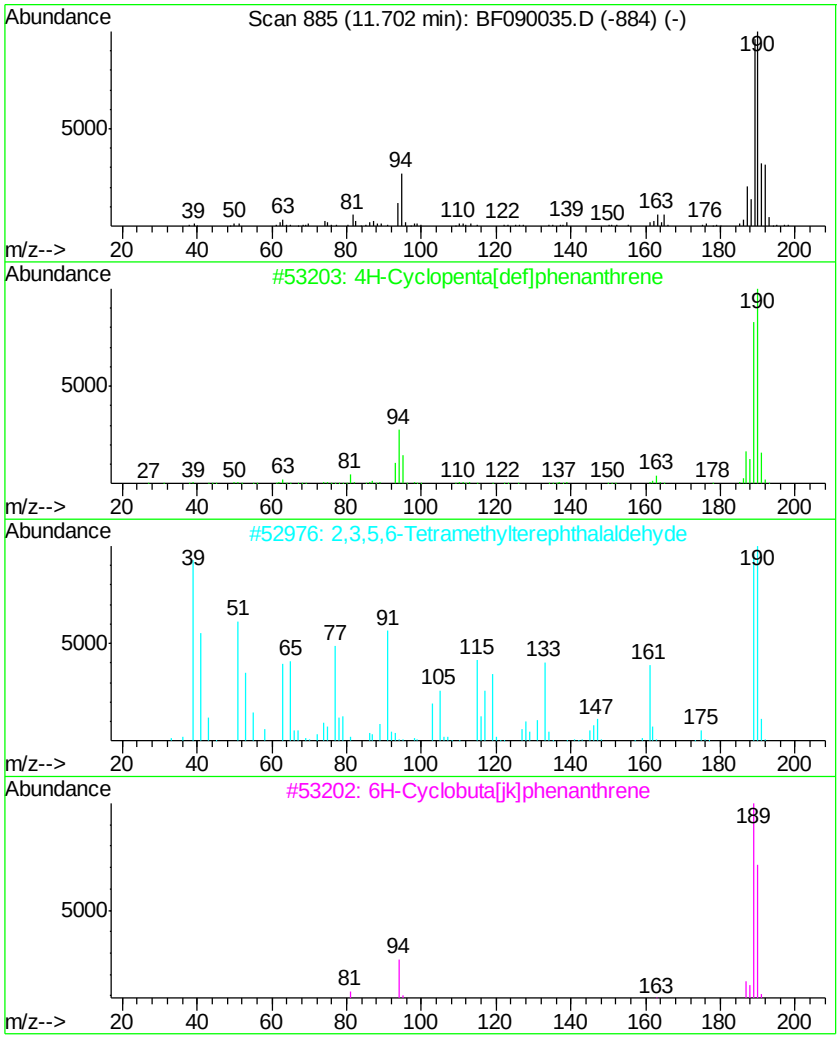
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

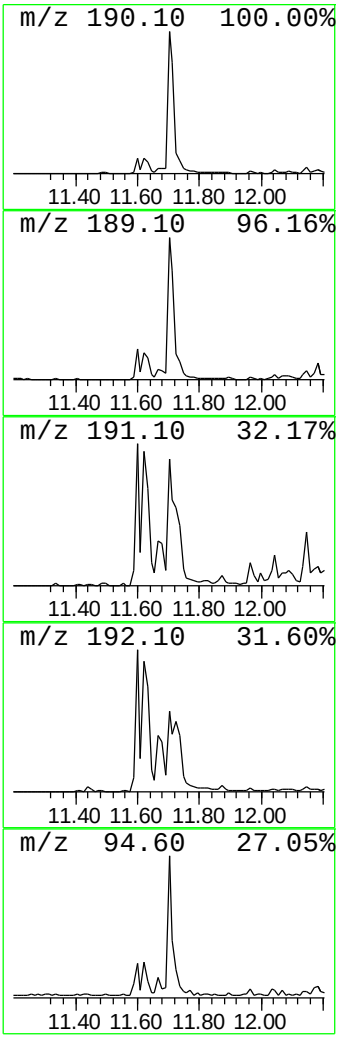
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	2.80 ng	520899	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	16





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090035.D
Acq On : 8 Sep 2016 20:17
Operator : UM/SJ
Sample : H4704-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6-4.0-5.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

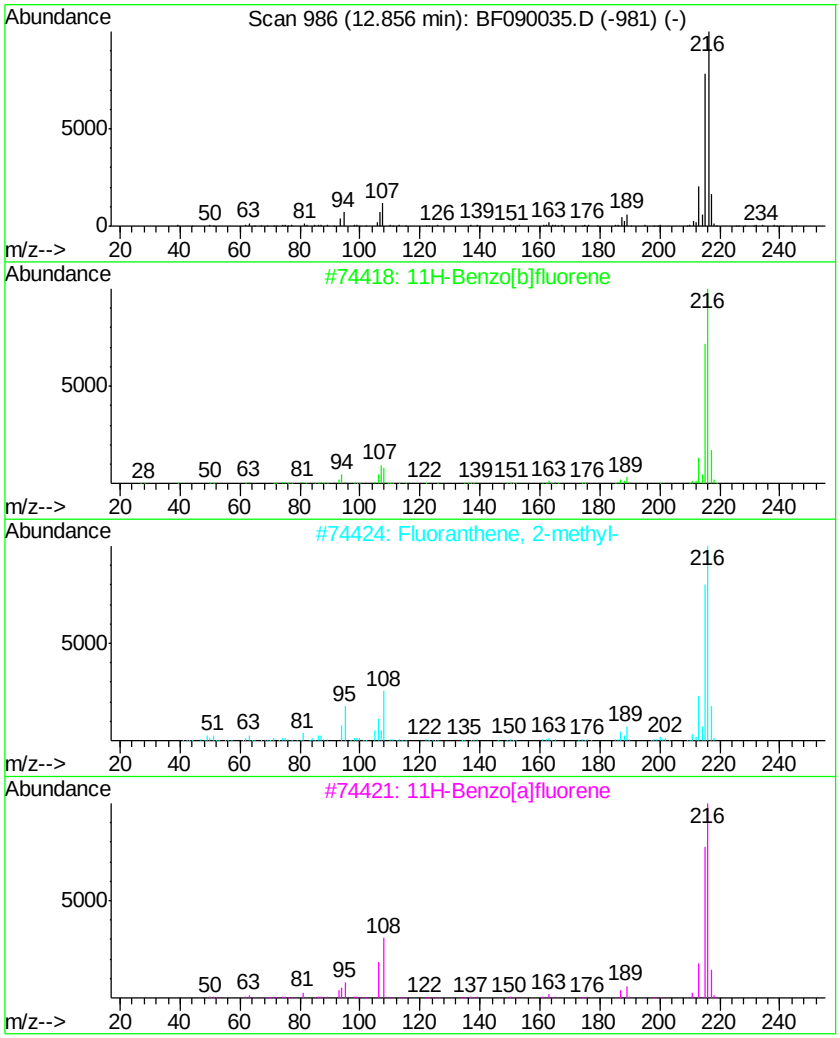
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

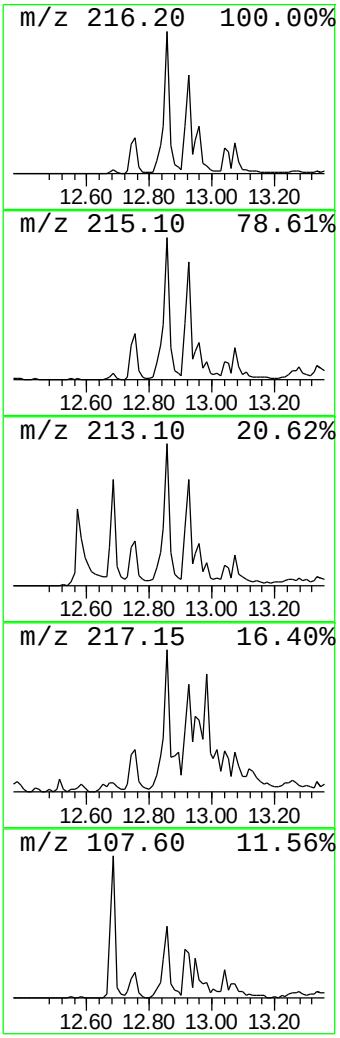
****

Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	2.31 ng	514638	Chrysene-d12	13.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090035.D
Acq On : 8 Sep 2016 20:17
Operator : UM/SJ
Sample : H4704-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6-4.0-5.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

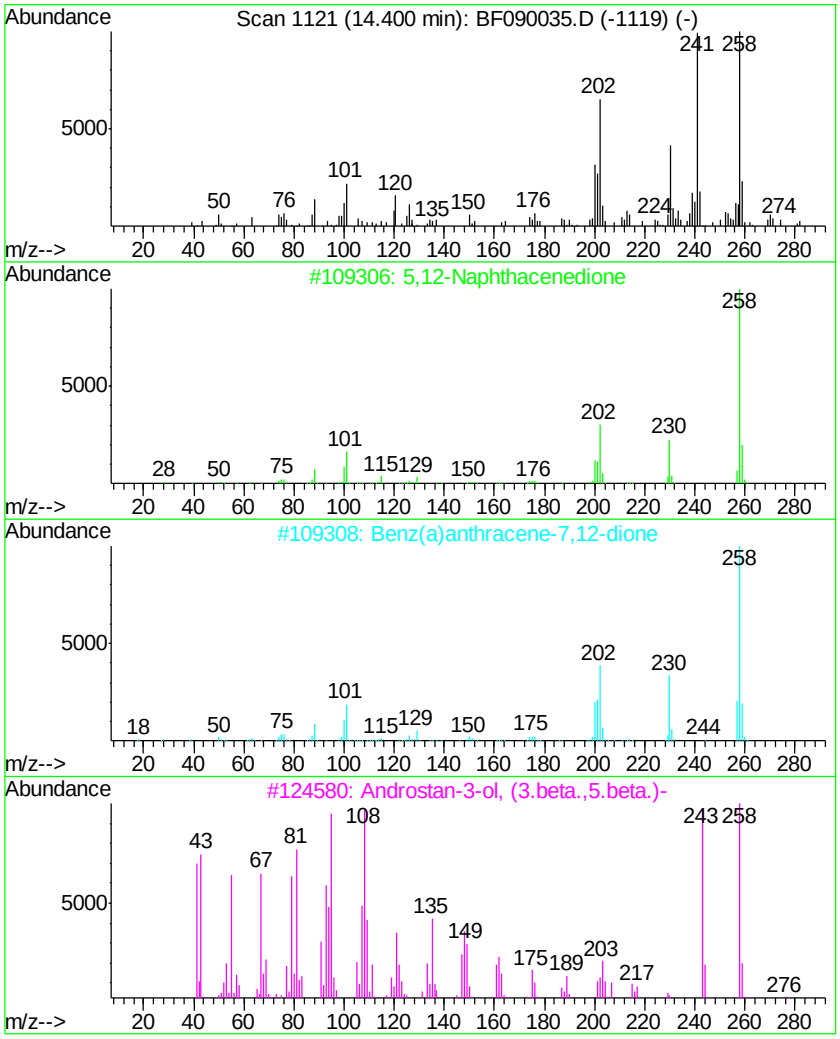
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

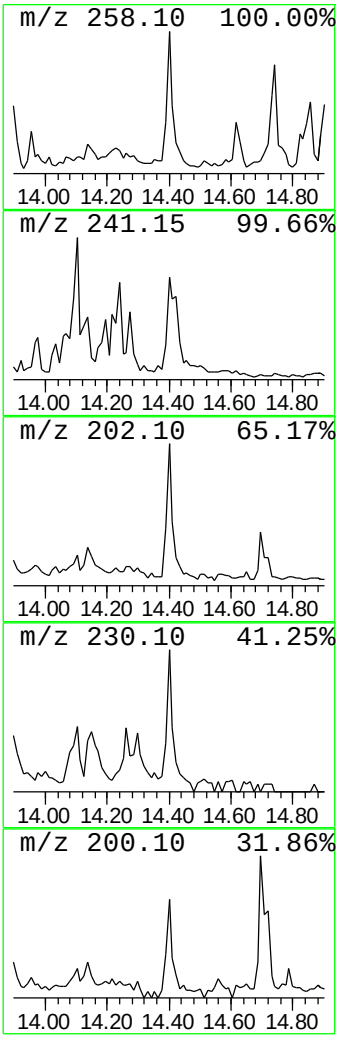
****

Peak Number 7 5,12-Naphthacenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	2.88 ng	247618	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	91
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	91
3	Androstan-3-ol, (3.beta.,5.beta.)-	276	C19H32O	015360-52-8	25
4	Benzo[1,2-b:4,3-b']bisbenzofuran	258	C18H10O2	000192-93-8	22
5	Cyclopenta[c]fluorene, 2,4-dimet...	258	C13H14N4S	1000304-26-5	22





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090035.D
Acq On : 8 Sep 2016 20:17
Operator : UM/SJ
Sample : H4704-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6-4.0-5.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

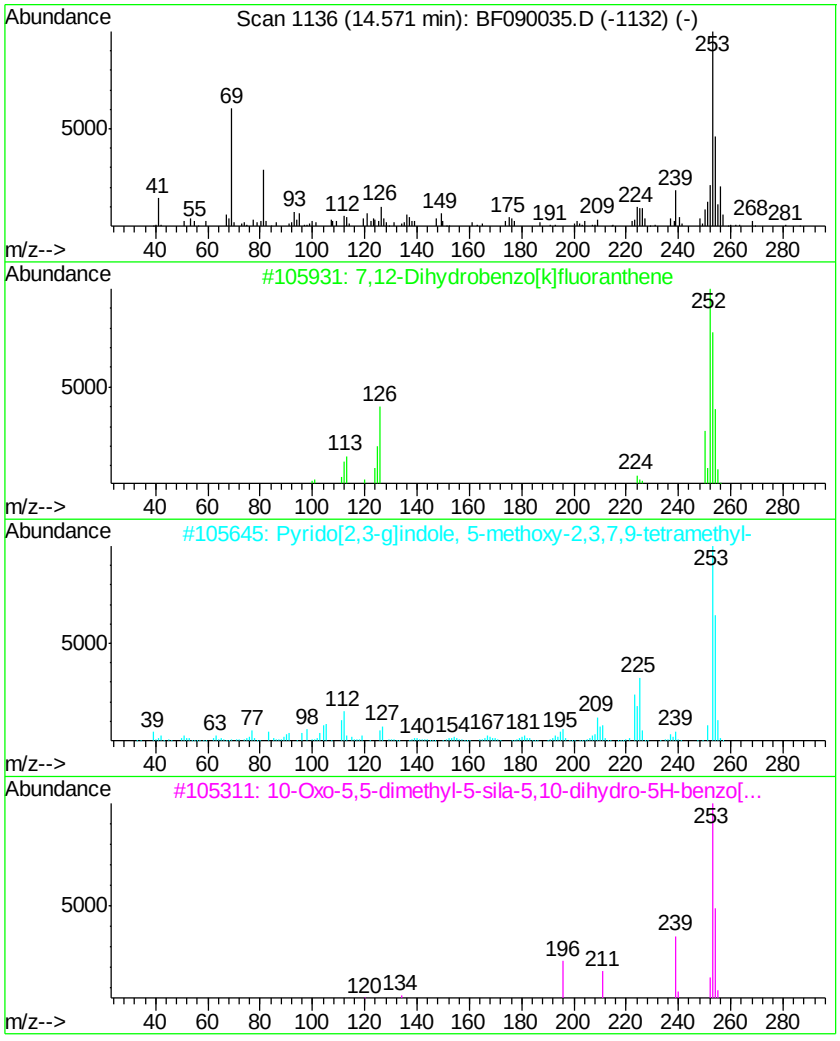
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

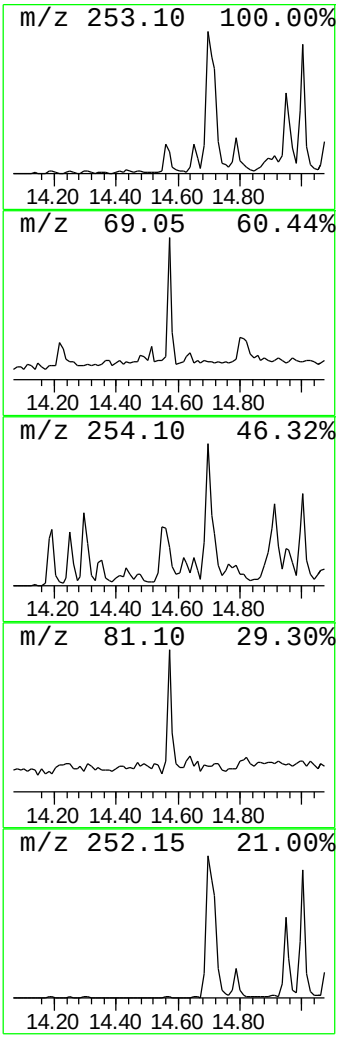
****

Peak Number 8 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	2.38 ng	204176	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
2	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	53
3	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	53
4	Ergoline-8-methanol, 8,9-didehyd...	254	C16H18N2O	000548-43-6	50
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	46





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090035.D
Acq On : 8 Sep 2016 20:17
Operator : UM/SJ
Sample : H4704-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6-4.0-5.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

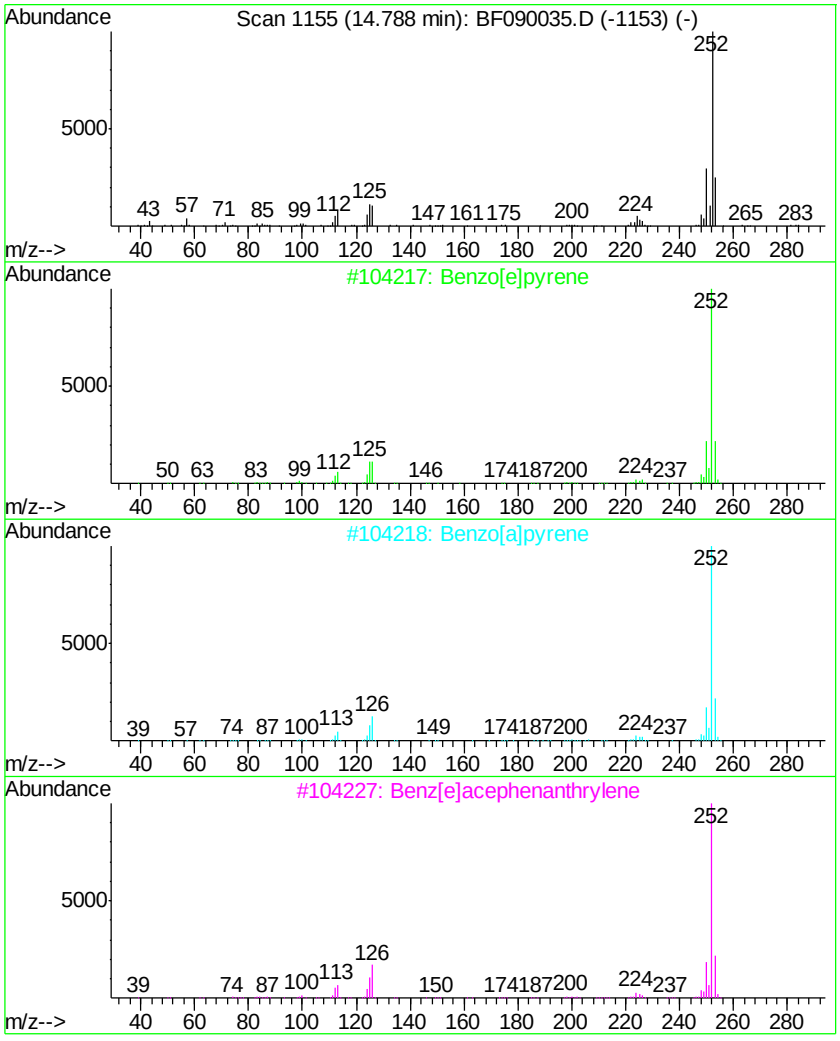
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

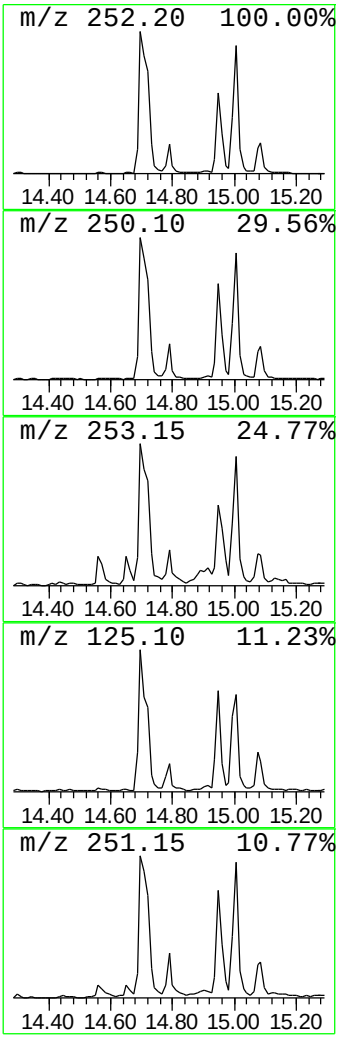
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	4.74 ng	407318	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[a]pyrene	252	C20H12	000050-32-8	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Perylene	252	C20H12	000198-55-0	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090035.D
Acq On : 8 Sep 2016 20:17
Operator : UM/SJ
Sample : H4704-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6-4.0-5.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

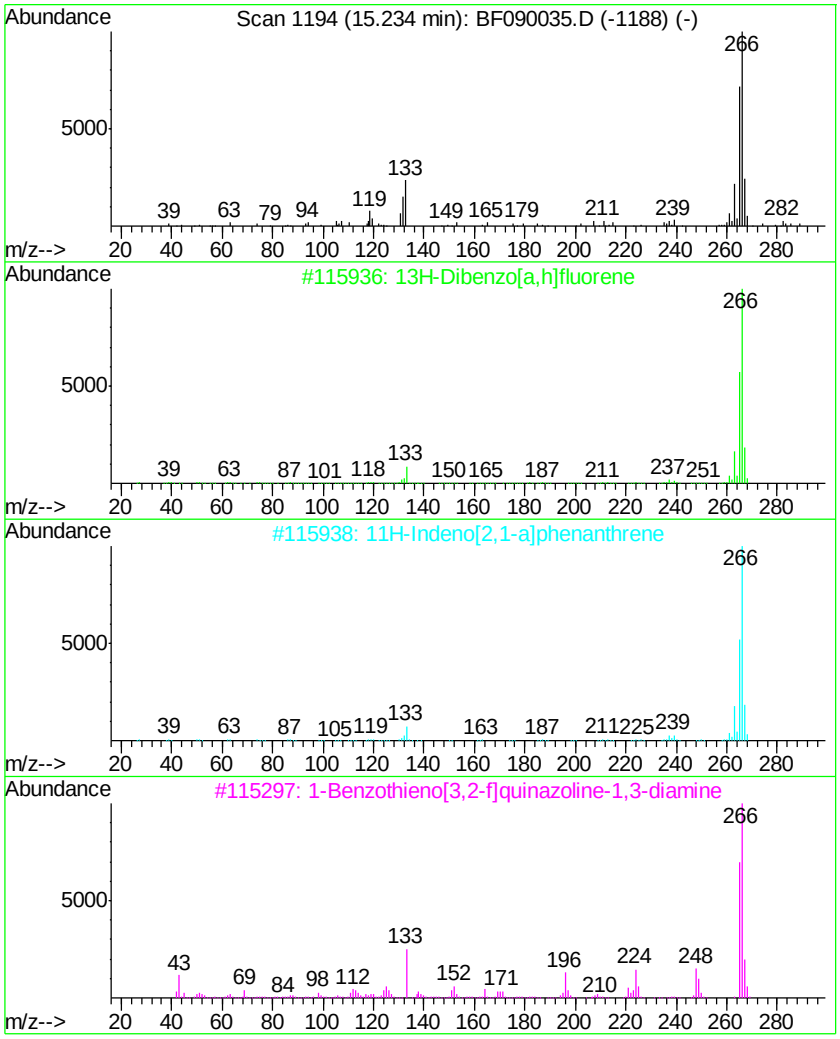
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

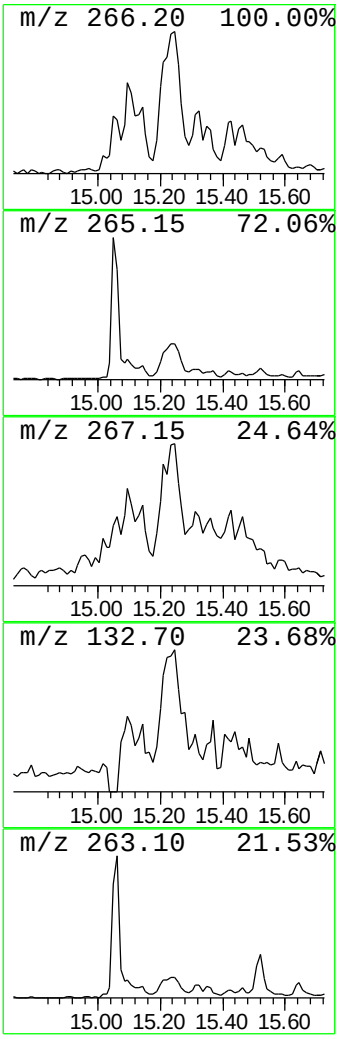
****

Peak Number 11 13H-Dibenzo[a,h]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	2.33 ng	200467	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	76
2	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	74
3	1-Benzothieno[3,2-f]quinazoline-...	266	C14H10N4S	065642-92-4	64
4	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	58
5	Perylene, 3-methyl-	266	C21H14	024471-47-4	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090035.D
Acq On : 8 Sep 2016 20:17
Operator : UM/SJ
Sample : H4704-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6-4.0-5.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

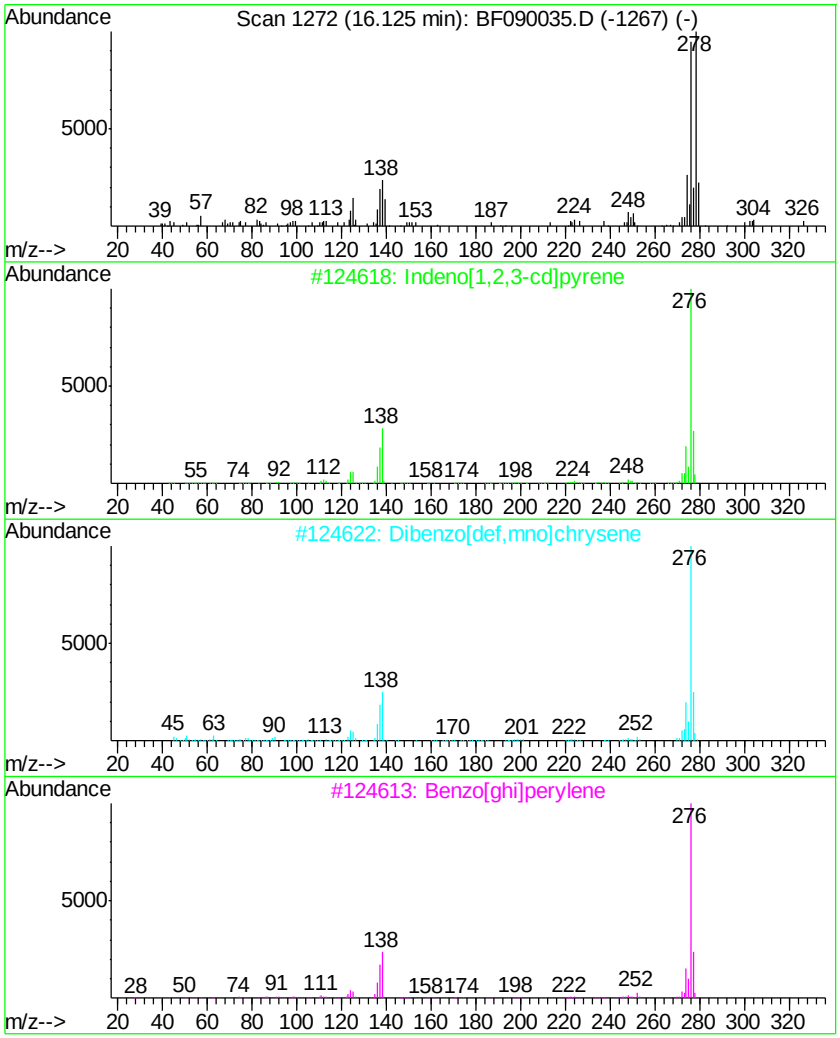
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

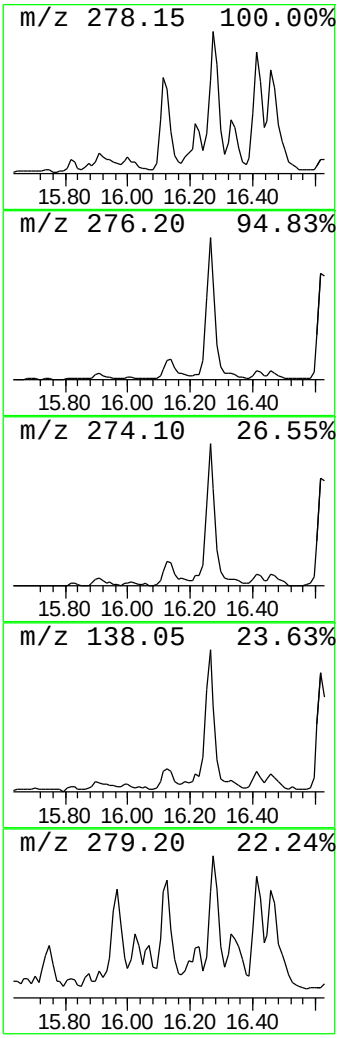
****

Peak Number 12 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	3.19 ng	274305	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	87
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	70
5	10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	62





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090035.D
Acq On : 8 Sep 2016 20:17
Operator : UM/SJ
Sample : H4704-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6-4.0-5.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

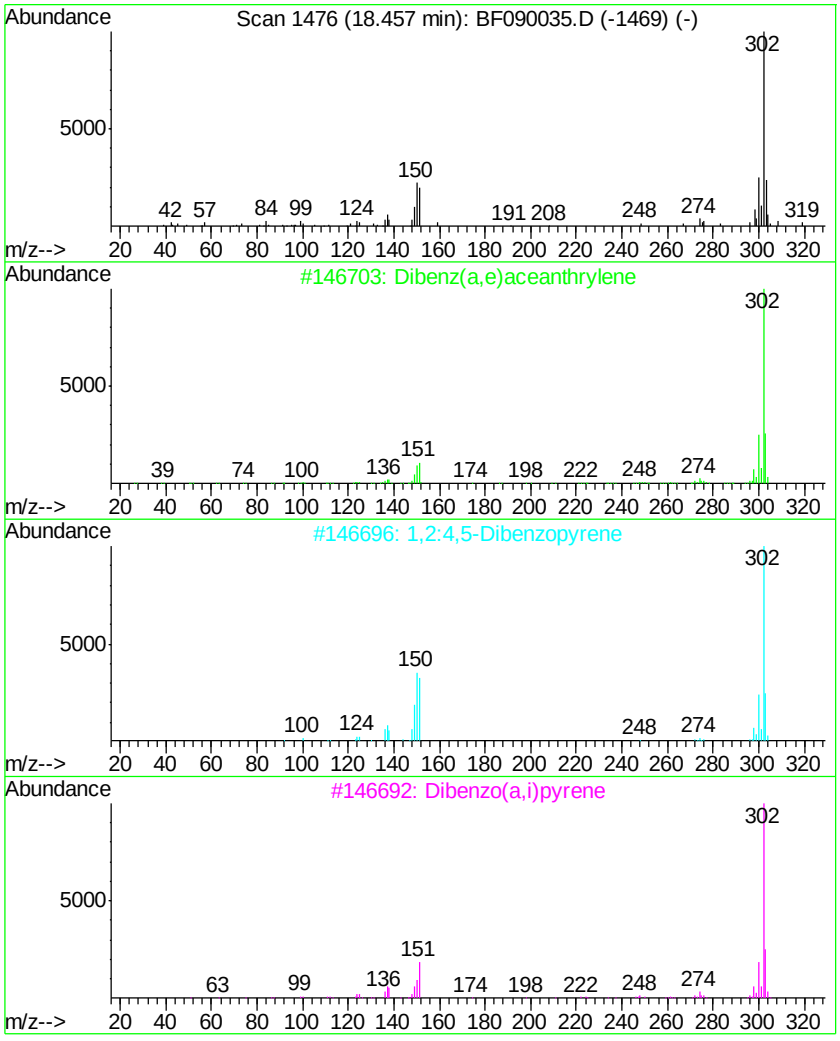
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

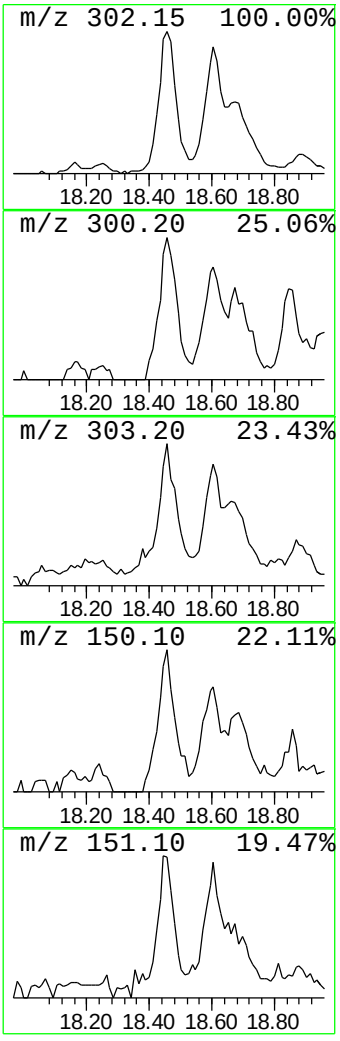
****

Peak Number 14 Dibenz(a,e)aceanthrylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	2.73 ng	234674	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
3	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	93
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	91
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090035.D
Acq On : 8 Sep 2016 20:17
Operator : UM/SJ
Sample : H4704-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6-4.0-5.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.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
2-Pentanone, 4-hy...	4.72	19.4	ng	1080670	1	6.59	1114710	20.0
unknown6.36	6.36	76.3	ng	4251660	1	6.59	1114710	20.0
4H-Cyclopenta[def...	11.70	2.8	ng	520899	4	11.10	3722040	20.0
11H-Benzo[b]fluorene	12.86	2.3	ng	514638	5	13.71	4455290	20.0
5,12-Naphthacened...	14.40	2.9	ng	247618	6	15.05	1719100	20.0
7,12-Dihydrobenzo...	14.57	2.4	ng	204176	6	15.05	1719100	20.0
Benzo[e]pyrene	14.79	4.7	ng	407318	6	15.05	1719100	20.0
13H-Dibenzo[a,h]f...	15.23	2.3	ng	200467	6	15.05	1719100	20.0
Dibenzo[def,mno]c...	16.13	3.2	ng	274305	6	15.05	1719100	20.0
Dibenz(a,e)aceant...	18.46	2.7	ng	234674	6	15.05	1719100	20.0