

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
 Data File : BF111908.D
 Acq On : 8 Jan 2019 15:47
 Operator : JU/SJ
 Sample : K1012-05RE 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-010419-CRE

Manual Integrations
 APPROVED

Sohil
 1/9/2019 10:36:44 AM

Quant Time: Jan 08 18:12:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	161015	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	486912	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	195105	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	325143	20.00	ng	-0.01
76) Chrysene-d12	14.04	240	390827	20.00	ng	-0.01
87) Perylene-d12	15.53	264	358534	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	411075	43.68	ng	0.00
7) Phenol-d6	6.52	99	476970	39.32	ng	-0.01
23) Nitrobenzene-d5	7.44	82	322421	35.39	ng	-0.02
42) 2,4,6-Tribromophenol	10.71	330	100613	39.65	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	442415	33.07	ng	-0.01
79) Terphenyl-d14	12.99	244	441740	21.46	ng	-0.01
Target Compounds						
71) Phenanthrene	11.43	178	116535	6.704	ng	97
75) Fluoranthene	12.62	202	214391	12.013	ng	98
78) Pyrene	12.85	202	201518	7.494	ng	98
81) Benzo(a)anthracene	14.03	228	111511	4.958	ng	96
83) Chrysene	14.07	228	108377m	5.053	ng	
86) Indeno(1,2,3-cd)pyrene	17.02	276	56310	3.602	ng	98
88) Benzo(b)fluoranthene	15.09	252	147814m	6.892	ng	
89) Benzo(k)fluoranthene	15.12	252	51406m	2.550	ng	
90) Benzo(a)pyrene	15.46	252	91326	4.843	ng	# 94
92) Benzo(g,h,i)perylene	17.46	276	39958	2.693	ng	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

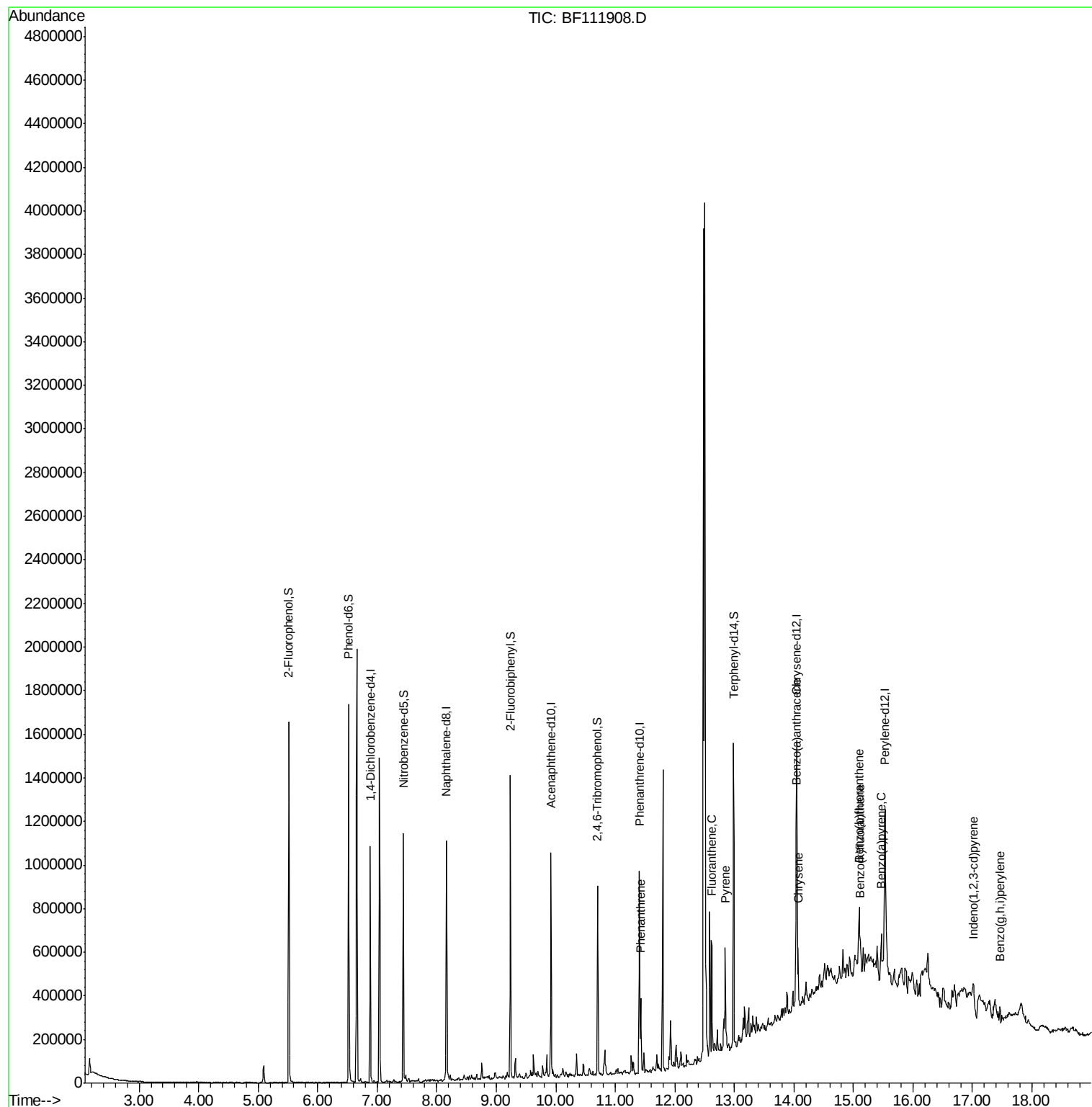
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111908.D
Acq On : 8 Jan 2019 15:47
Operator : JU/SJ
Sample : K1012-05RE 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

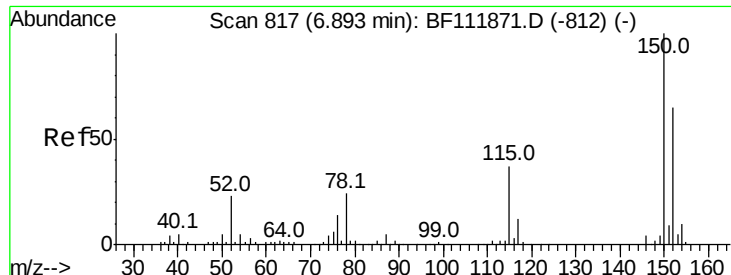
Instrument :
BNA_F
ClientSampleId :
EO-02-010419-CRE

Manual Integrations
APPROVED

Sohil
1/9/2019 10:36:44 AM

Quant Time: Jan 08 18:12:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 2019
Response via : Initial Calibration





#1

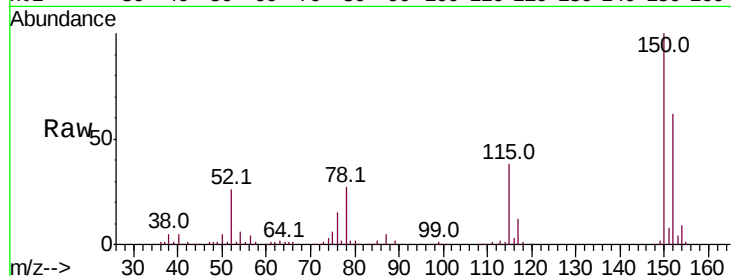
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Instrument :
BNA_F
ClientSampleId :
EO-02-010419-CRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	122.7	184.1
115	61.4	45.2	67.8

Manual Integrations
APPROVED

Sohil
1/9/2019 10:36:44 AM

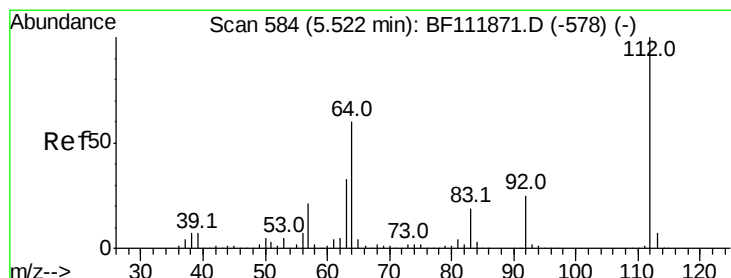
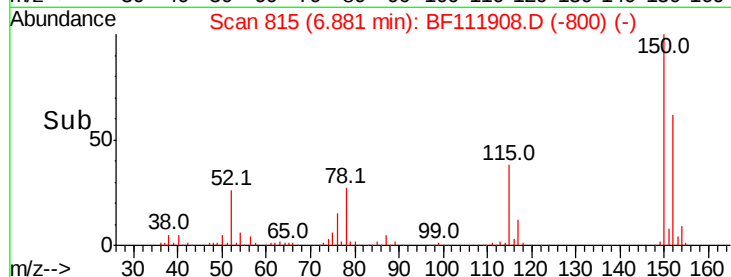
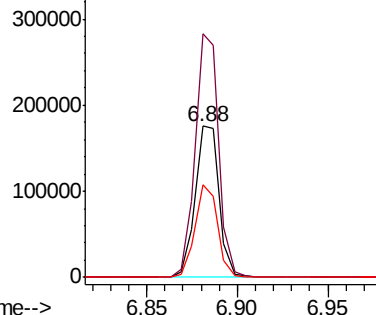


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

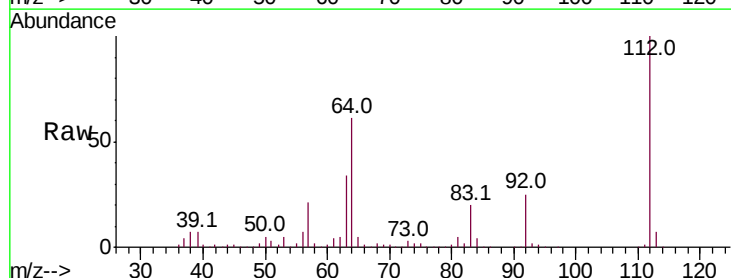
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 43.678 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	48.3	72.5
63	33.8	26.1	39.1

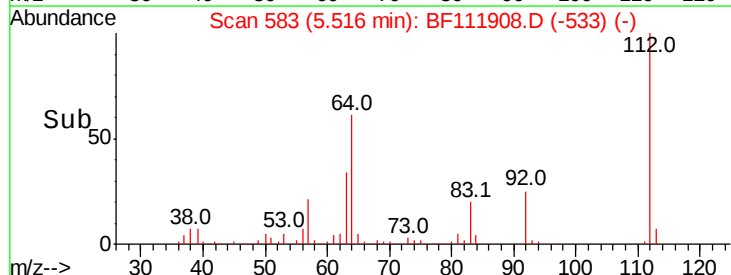
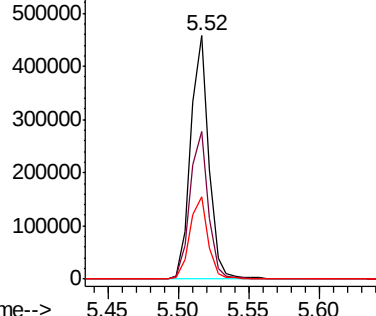


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 39.320 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

Instrument :

BNA_F

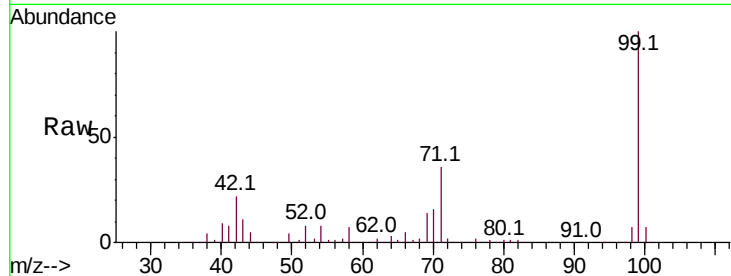
ClientSampleId :

EO-02-010419-CRE

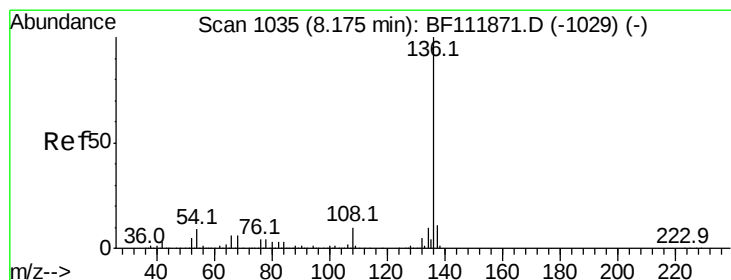
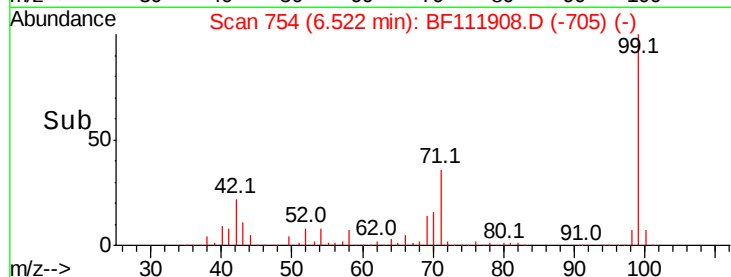
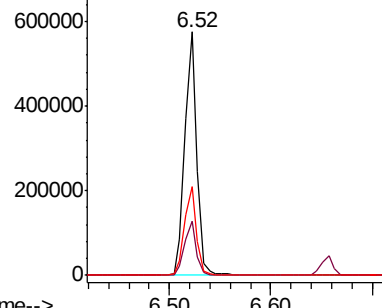
Tot Ion:	99	Resp:	476970
Ion	Ratio	Lower	Upper
99	100		
42	22.1	17.9	26.9
71	36.5	28.7	43.1

Manual Integrations
APPROVED

Sohil
1/9/2019 10:36:44 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

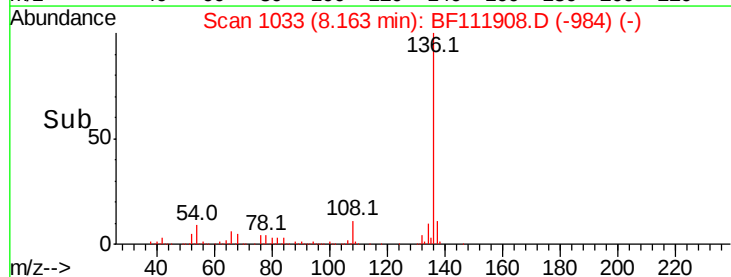
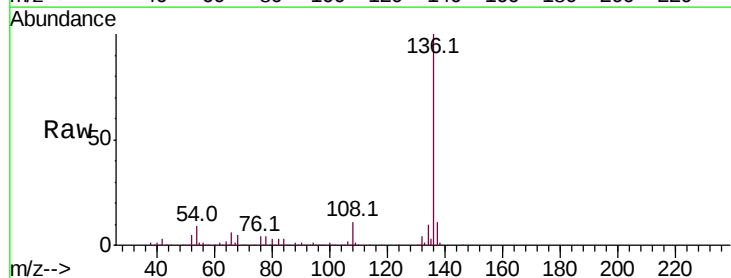
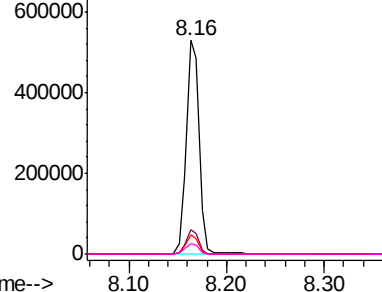
Delta R.T. -0.01 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

Tgt Ion:	136	Resp:	486912
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	9.0	7.2	10.8
68	5.1	4.4	6.6

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





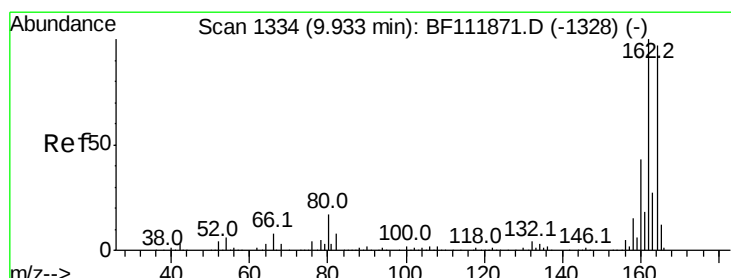
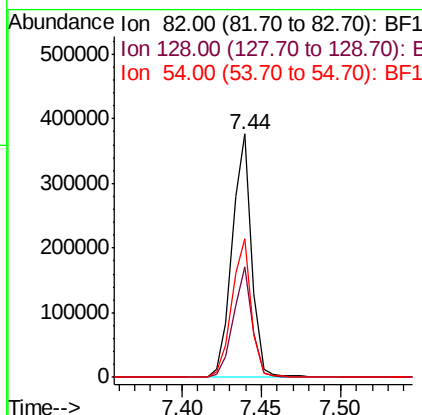
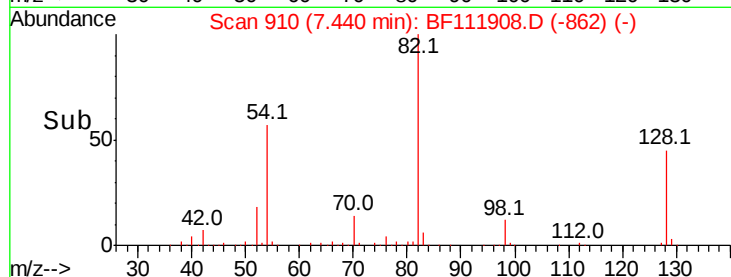
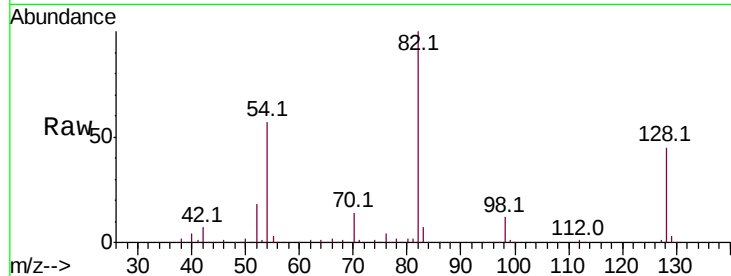
#23
 Nitrobenzene-d5
 Concen: 35.390 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: BF111908.D
 Acq: 8 Jan 2019 15:47

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-010419-CRE

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.7	53.5
54	57.1	45.8	68.8

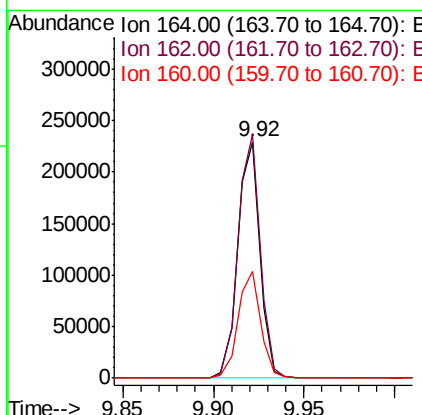
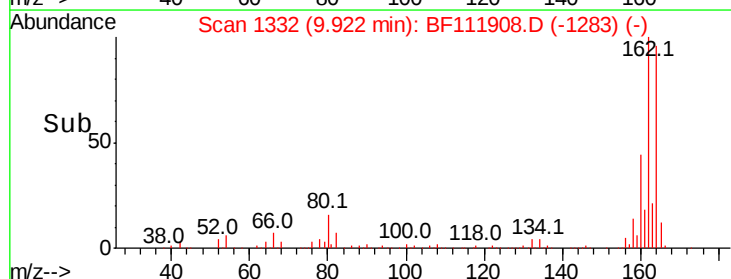
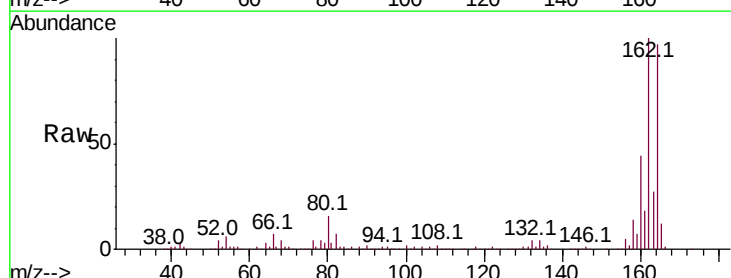
Manual Integrations
 APPROVED

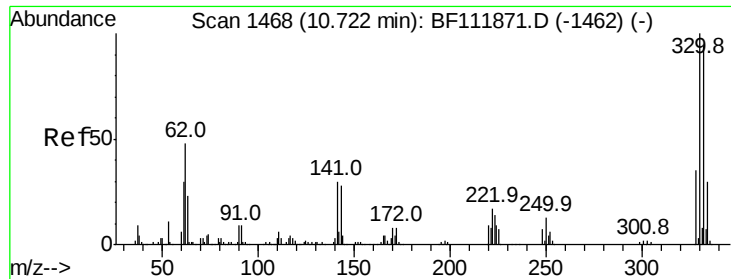
Sohil
 1/9/2019 10:36:44 AM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF111908.D
 Acq: 8 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.2	123.2
160	45.2	35.5	53.3





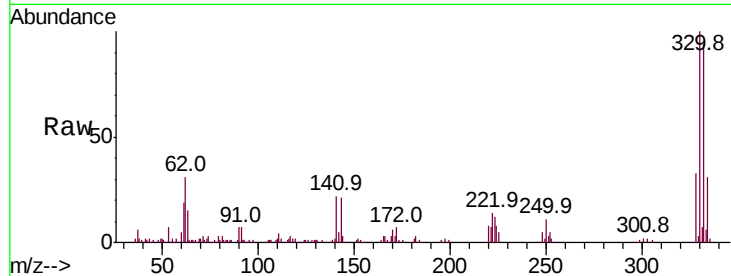
#42
 2,4,6-Tribromophenol
 Concen: 39.647 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF111908.D
 Acq: 8 Jan 2019 15:47

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-010419-CRE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	100613		
332	95.6	76.9	115.3	
141	31.1	23.7	35.5	

Manual Integrations
 APPROVED

Sohil
 1/9/2019 10:36:44 AM

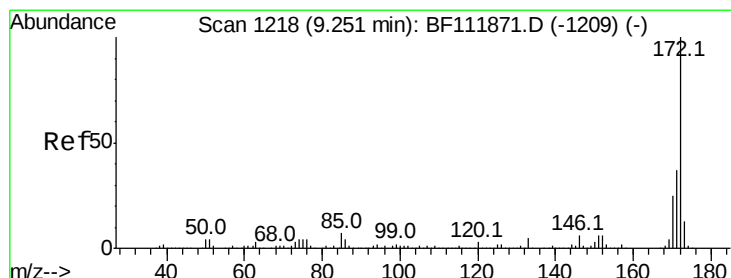
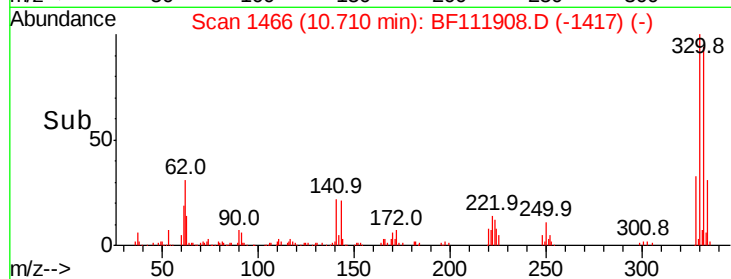
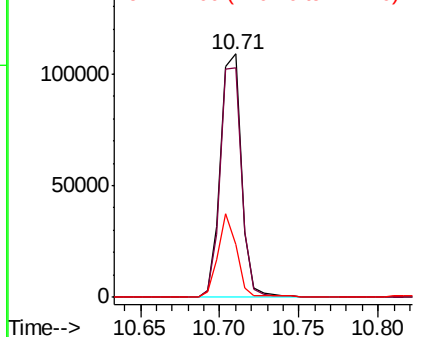


Abundance

Ion 329.80 (329.50 to 330.50): E

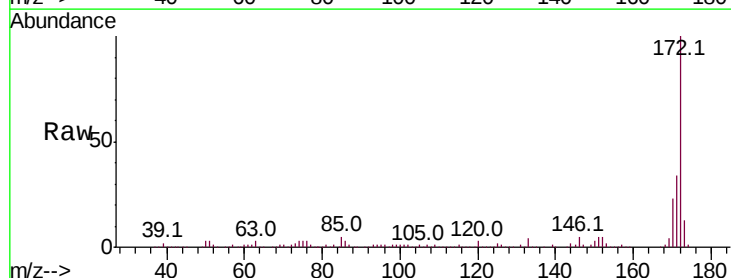
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 33.066 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF111908.D
 Acq: 8 Jan 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	442415		
171	34.1	29.6	44.4	
170	22.7	19.8	29.8	

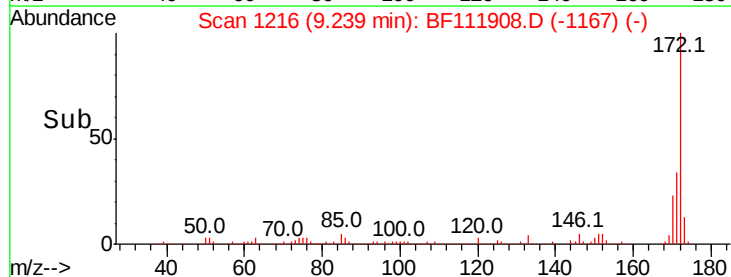
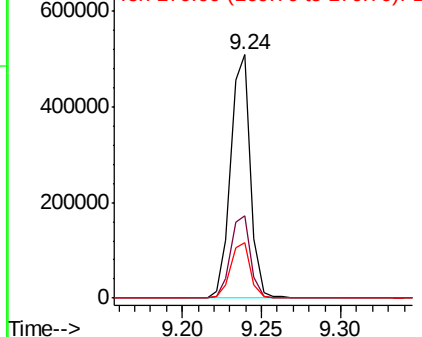


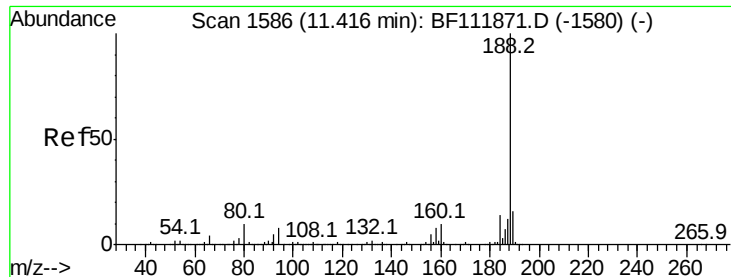
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

Instrument :

BNA_F

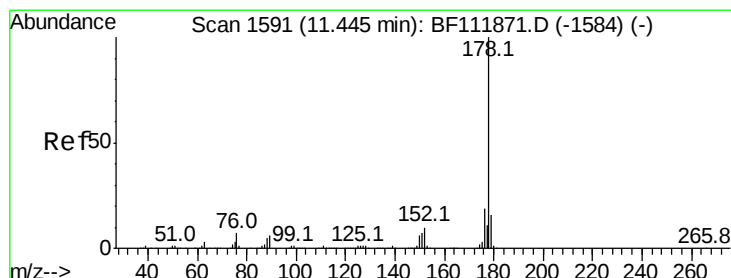
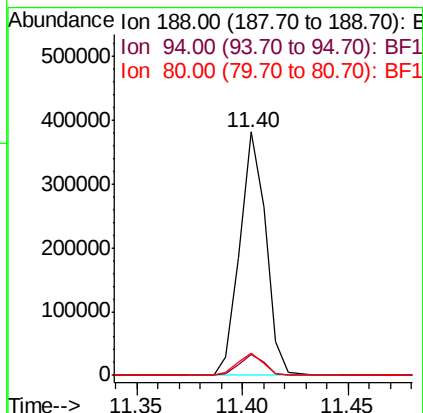
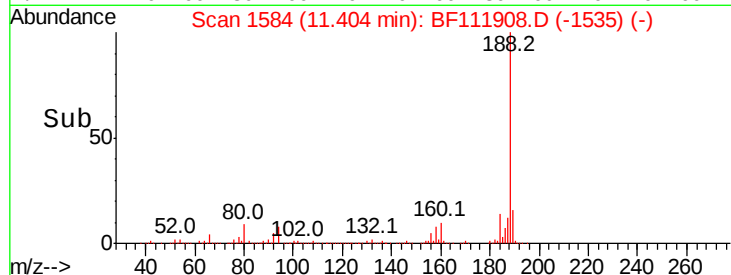
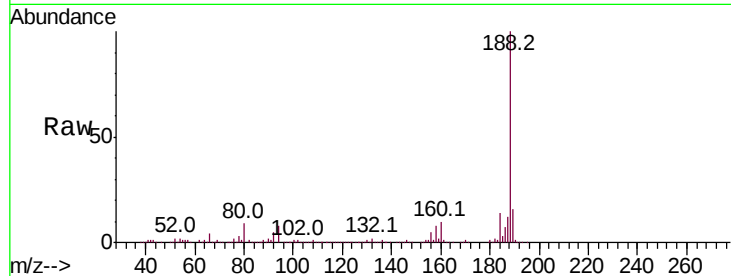
ClientSampleId :

EO-02-010419-CRE

Tot Ion:	188	Resp:	325143
Ion Ratio	Lower	Upper	
188	100		
94	8.4	6.6	10.0
80	9.2	7.7	11.5

Manual Integrations
APPROVED

Sohil
1/9/2019 10:36:44 AM



#71

Phenanthrene

Concen: 6.704 ng

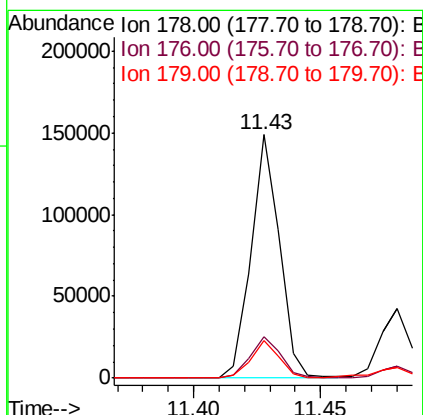
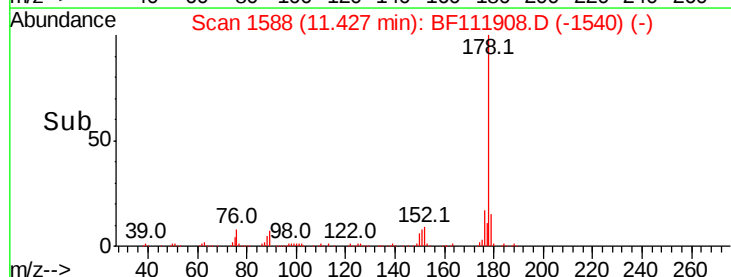
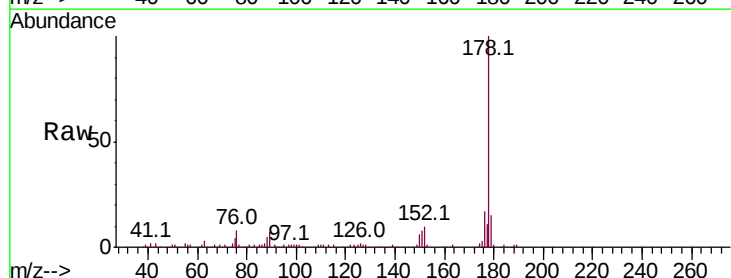
RT: 11.43 min Scan# 1588

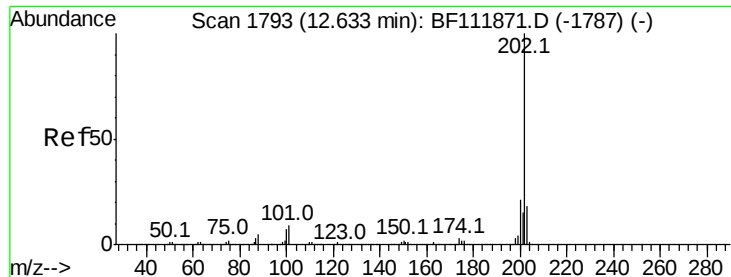
Delta R.T. -0.02 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

Tgt Ion:	178	Resp:	116535
Ion Ratio	Lower	Upper	
178	100		
176	17.1	15.6	23.4
179	15.3	12.6	18.8





#75

Fluoranthene

Concen: 12.013 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

Instrument :

BNA_F

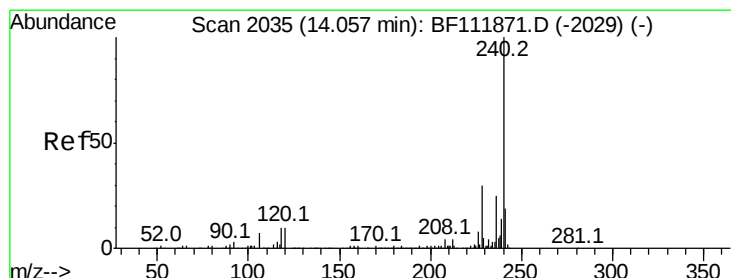
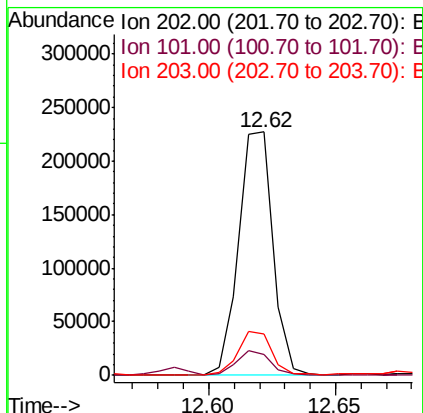
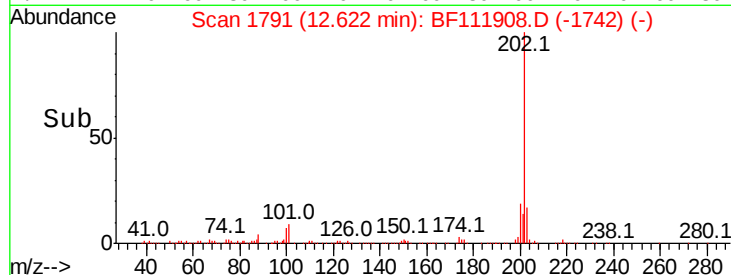
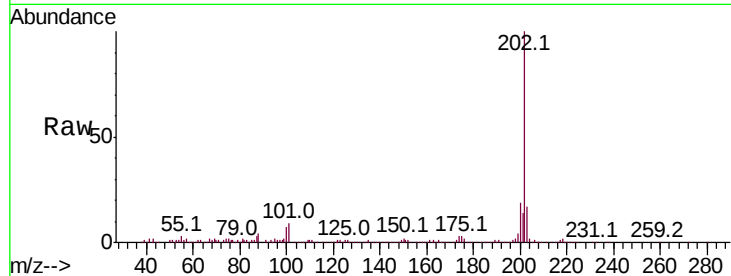
ClientSampleId :

EO-02-010419-CRE

Tot Ion:	202	Resp:	214391
Ion Ratio	Lower	Upper	
202	100		
101	8.8	0.0	29.3
203	16.9	0.0	37.6

Manual Integrations
APPROVED

Sohil
1/9/2019 10:36:44 AM



#76

Chrysene-d12

Concen: 20.000 ng

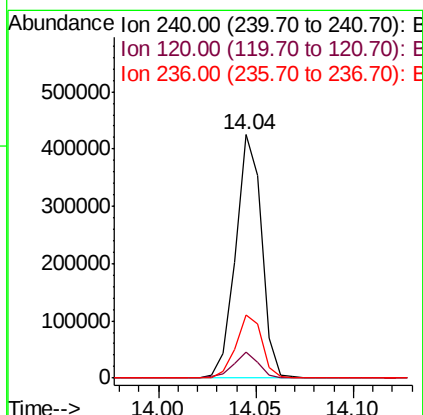
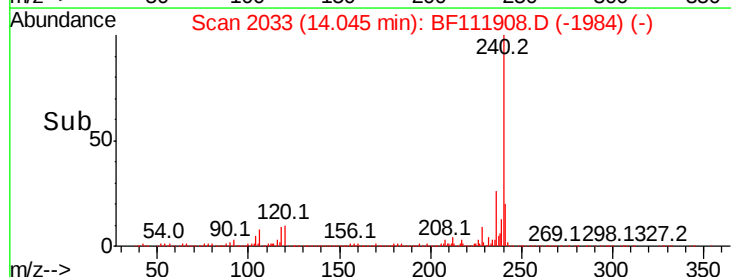
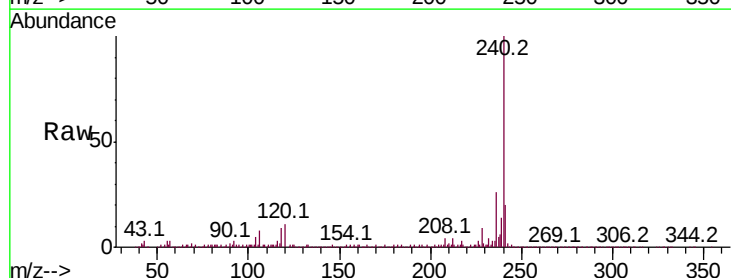
RT: 14.04 min Scan# 2033

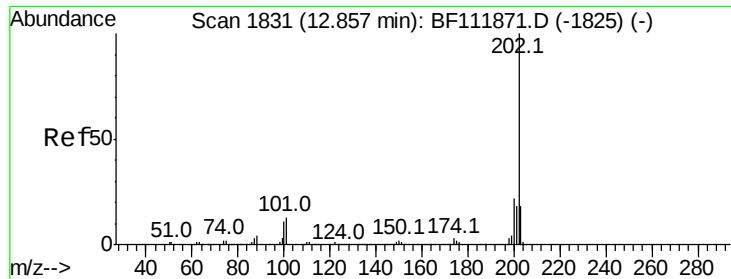
Delta R.T. -0.01 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

Tgt Ion:	240	Resp:	390827
Ion Ratio	Lower	Upper	
240	100		
120	10.6	8.2	12.2
236	25.7	20.2	30.4





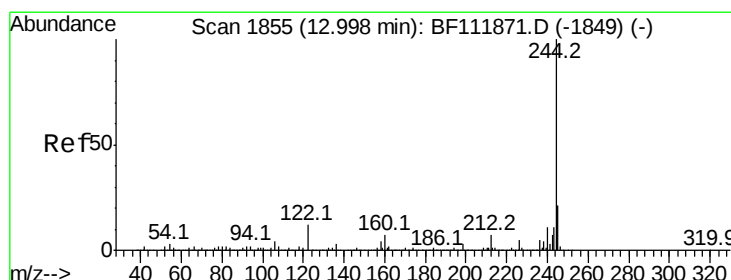
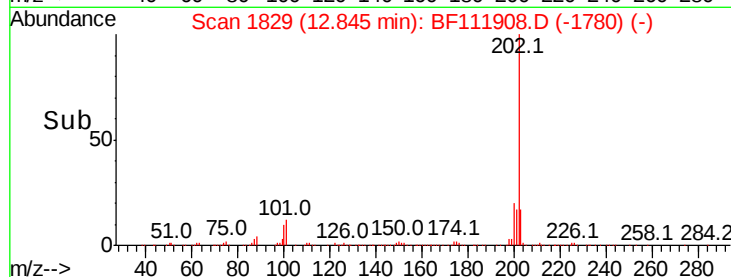
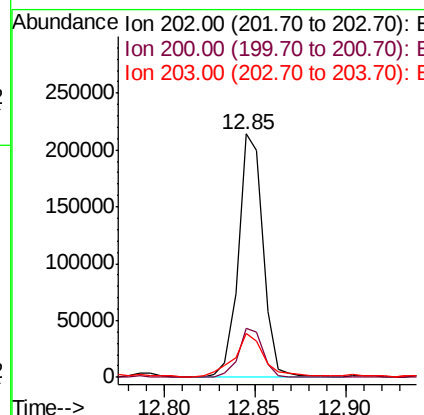
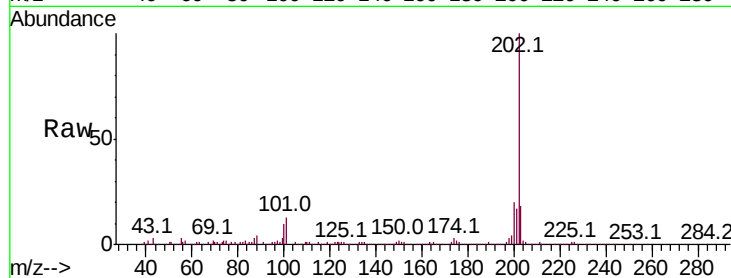
#78
Pvrene
Concen: 7.494 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Instrument :
BNA_F
ClientSampleId :
EO-02-010419-CRE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.3	17.4	26.2
203	17.8	14.6	21.8

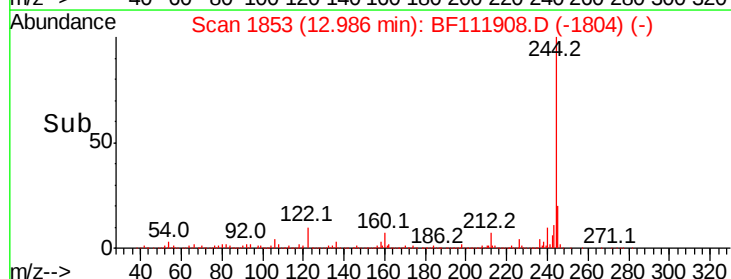
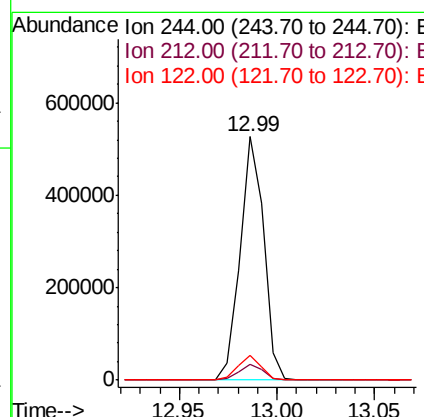
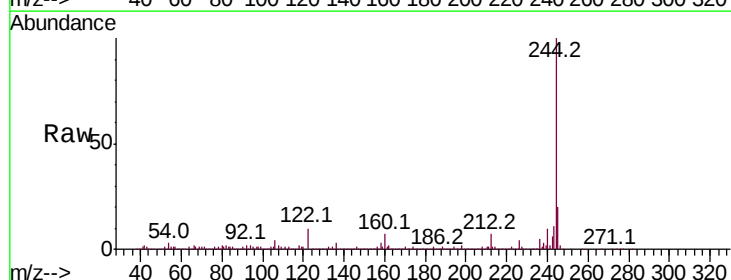
Manual Integrations
APPROVED

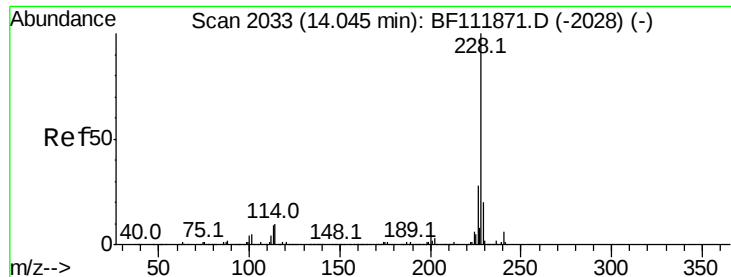
Sohil
1/9/2019 10:36:44 AM



#79
Terphenyl-d14
Concen: 21.455 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.8	8.8
122	10.2	9.5	14.3





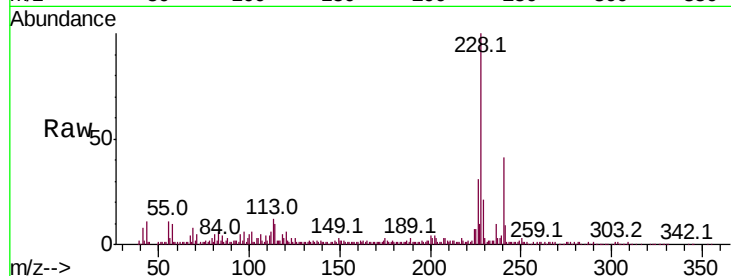
#81
Benzo(a)anthracene
Concen: 4.958 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Instrument :
BNA_F
ClientSampleId :
EO-02-010419-CRE

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.2	33.2
229	20.5	16.2	24.2

Manual Integrations
APPROVED

Sohil
1/9/2019 10:36:44 AM

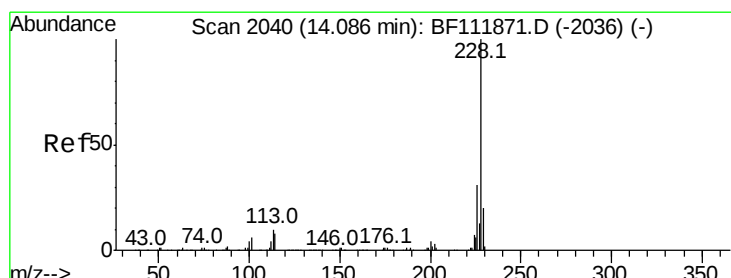
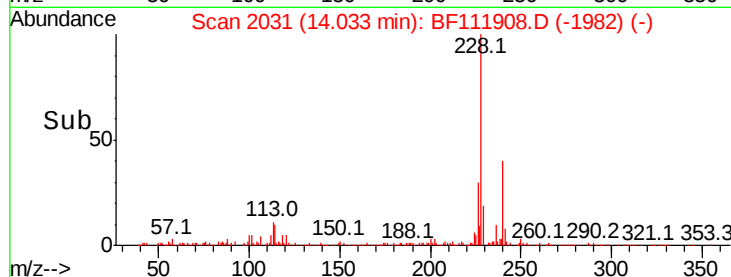
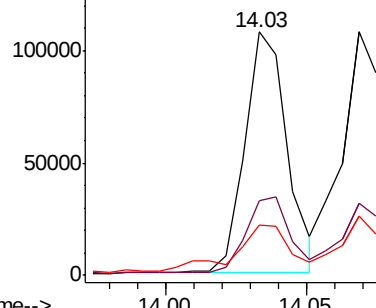


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 5.053 ng m
RT: 14.07 min Scan# 2037
Delta R.T. -0.02 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

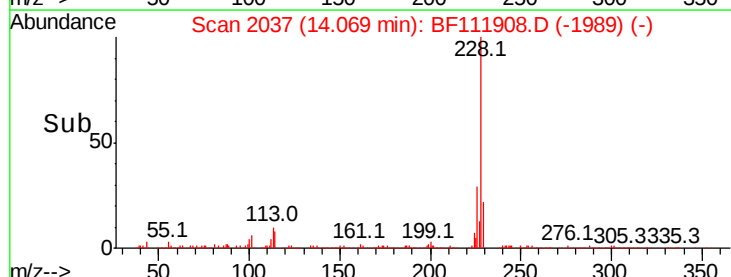
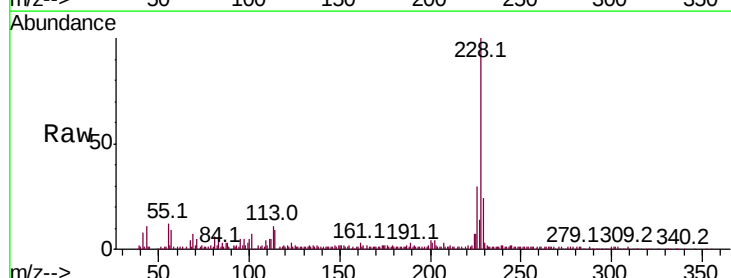
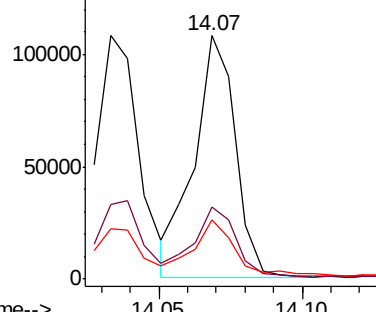
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	24.3	15.7	23.5

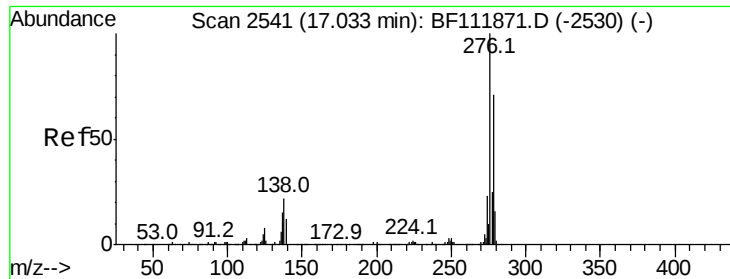
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





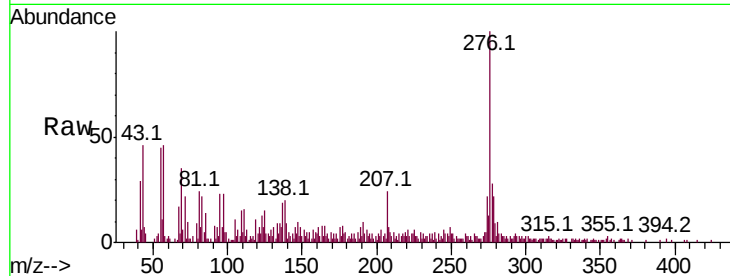
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.602 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Instrument :
BNA_F
ClientSampleId :
EO-02-010419-CRE

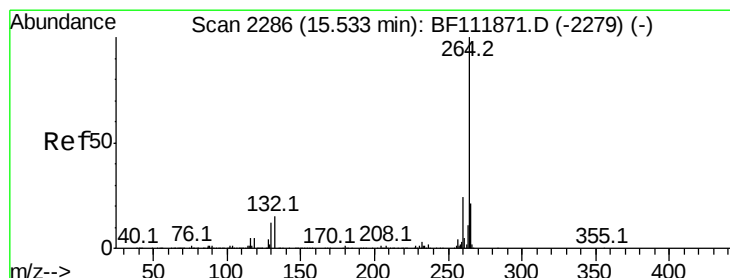
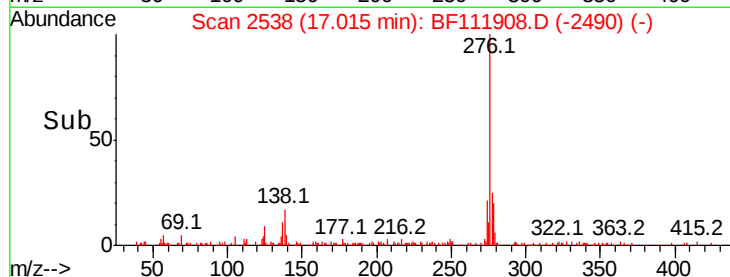
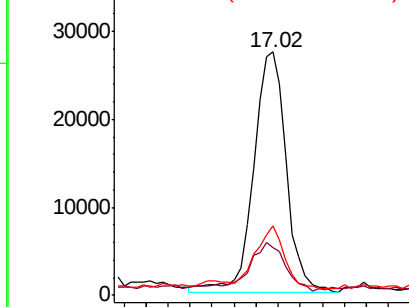
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	18.1	27.1
277	23.7	19.9	29.9

Manual Integrations
APPROVED

Sohil
1/9/2019 10:36:44 AM

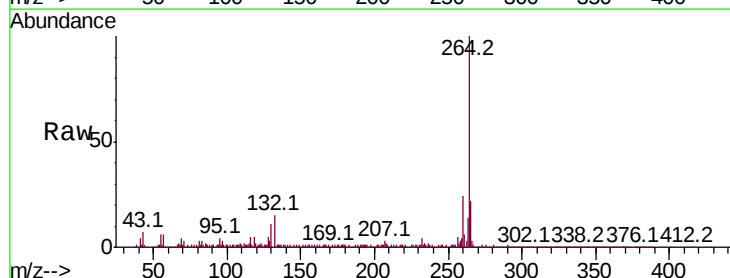


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

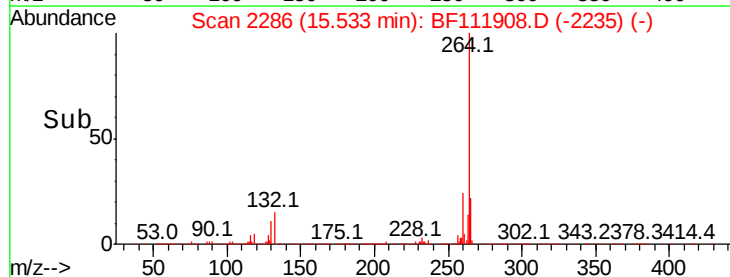
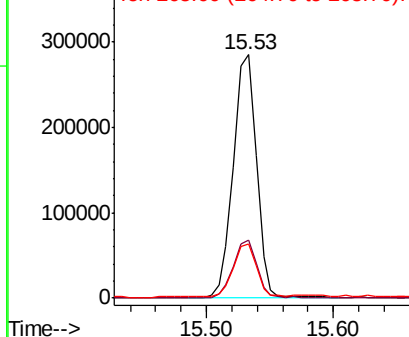


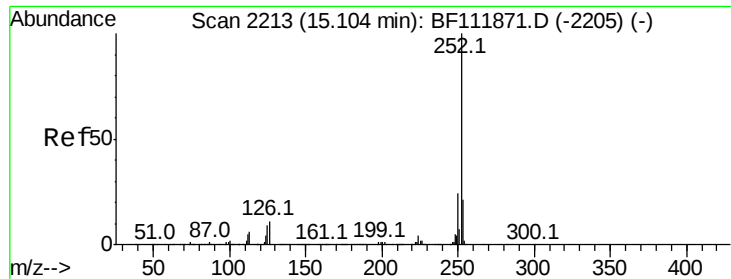
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.00 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.0	17.1	25.7



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





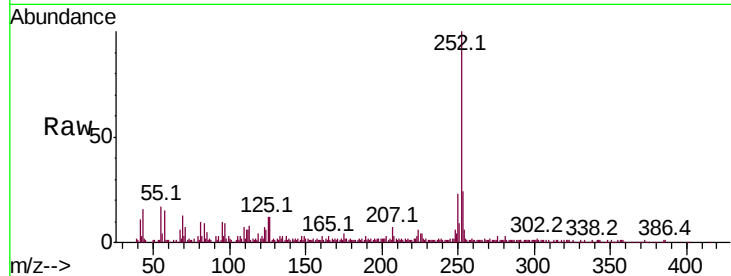
#88
Benzo(b)fluoranthene
Concen: 6.892 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Instrument :
BNA_F
ClientSampleId :
EO-02-010419-CRE

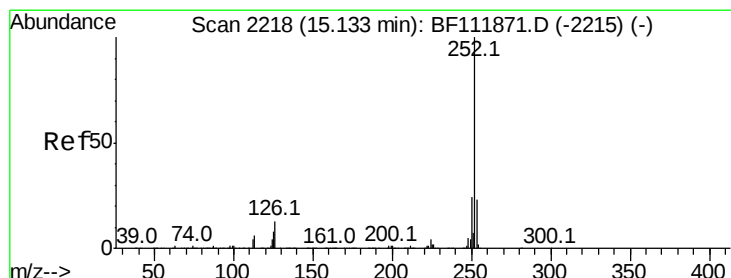
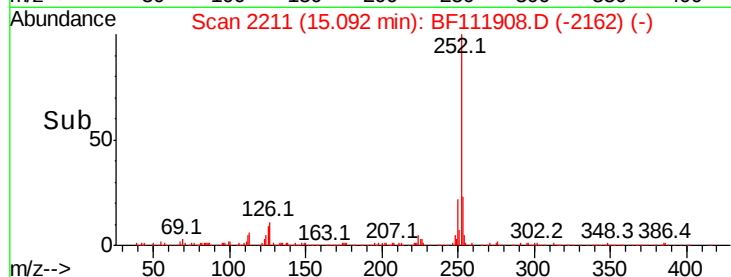
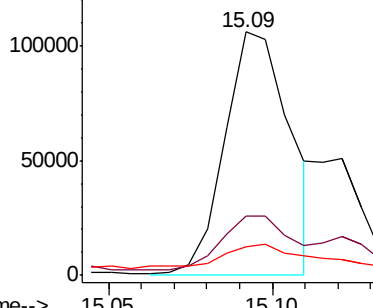
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	11.7	7.1	10.7

Manual Integrations
APPROVED

Sohil
1/9/2019 10:36:44 AM



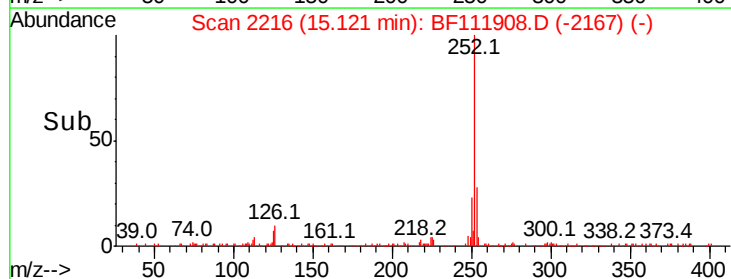
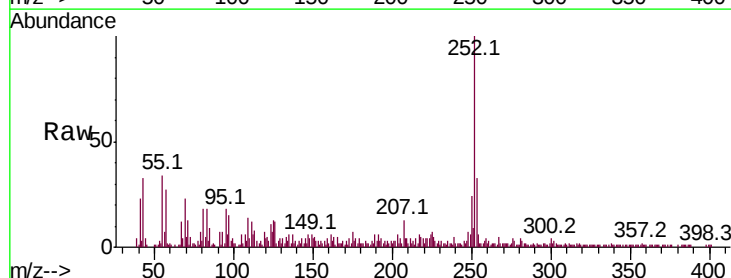
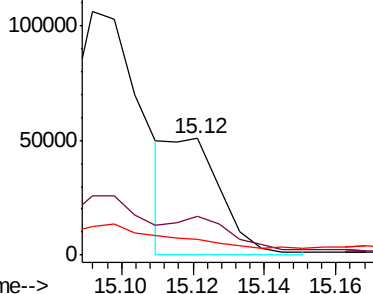
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

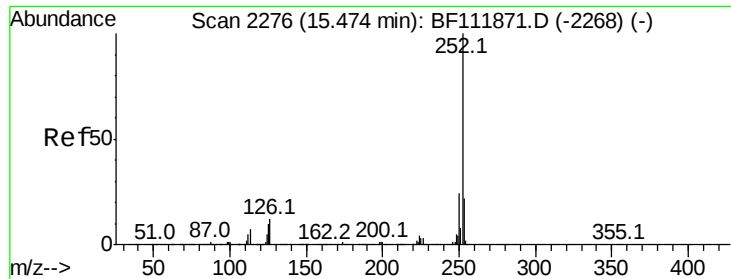


#89
Benzo(k)fluoranthene
Concen: 2.550 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.3	17.8	26.6
125	13.3	7.0	10.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





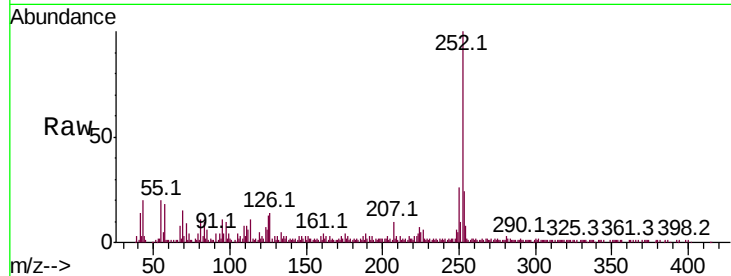
#90
Benzo(a)pyrene
Concen: 4.843 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Instrument :
BNA_F
ClientSampleId :
EO-02-010419-CRE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	12.8	7.9	11.9

Manual Integrations
APPROVED

Sohil
1/9/2019 10:36:44 AM

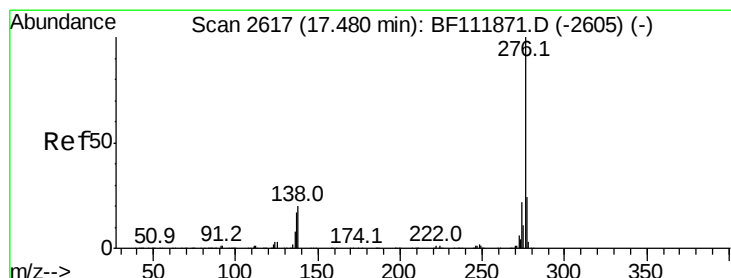
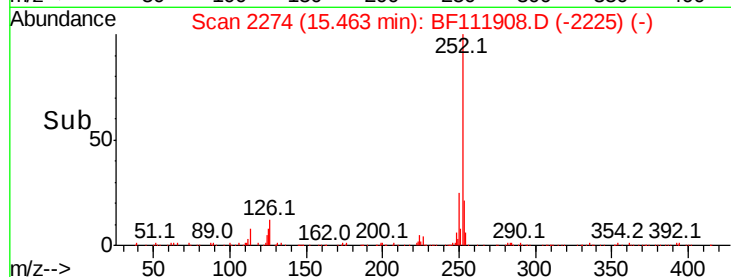
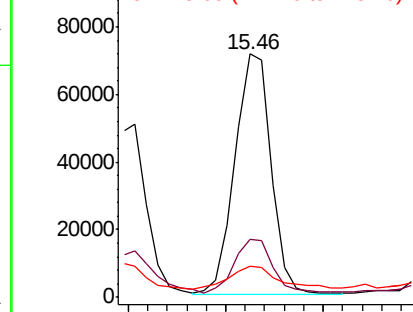


Abundance

Ion 252.00 (251.70 to 252.70): E

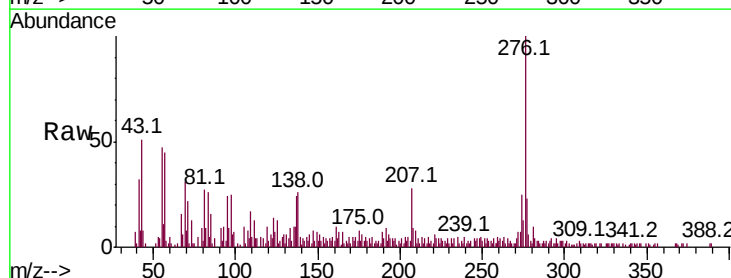
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.693 ng
RT: 17.46 min Scan# 2614
Delta R.T. -0.02 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.6
138	26.0	16.2	24.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

