

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
 Data File : BF111935.D
 Acq On : 9 Jan 2019 4:56
 Operator : JU/SJ
 Sample : K1075-17DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BASIN-9DL

Manual Integrations
 APPROVED

Sohil
 1/9/2019 10:37:03 AM

Quant Time: Jan 09 05:35:19 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	6.89	152	100602	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	321084	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	145881	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	296975	20.00	ng	0.00
76) Chrysene-d12	14.06	240	241511	20.00	ng	0.00
87) Perylene-d12	15.54	264	165597	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	74304	12.64	ng	0.00
7) Phenol-d6	6.52	99	91440	12.06	ng	-0.01
23) Nitrobenzene-d5	7.44	82	46746	7.78	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	17099	9.01	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	73115	7.31	ng	-0.01
79) Terphenyl-d14	12.99	244	78668	6.18	ng	0.00
Target Compounds						
52) Acenaphthene	9.96	154	27274	2.988	ng	98
58) Fluorene	10.47	166	36913	3.821	ng	97
71) Phenanthrene	11.44	178	403329	25.402	ng	98
72) Anthracene	11.49	178	137696	8.543	ng	97
75) Fluoranthene	12.63	202	512319	31.431	ng	98
78) Pyrene	12.86	202	389519	23.440	ng	99
81) Benzo(a)anthracene	14.04	228	216356	15.566	ng	98
83) Chrysene	14.08	228	166160	12.538	ng	97
86) Indeno(1,2,3-cd)pyrene	17.03	276	43601	4.513	ng	97
88) Benzo(b)fluoranthene	15.10	252	147770m	14.917	ng	
89) Benzo(k)fluoranthene	15.13	252	56786m	6.099	ng	
90) Benzo(a)pyrene	15.47	252	102149	11.728	ng	# 97
92) Benzo(a,h,i)perylene	17.49	276	37694	5.501	ng	# 89

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

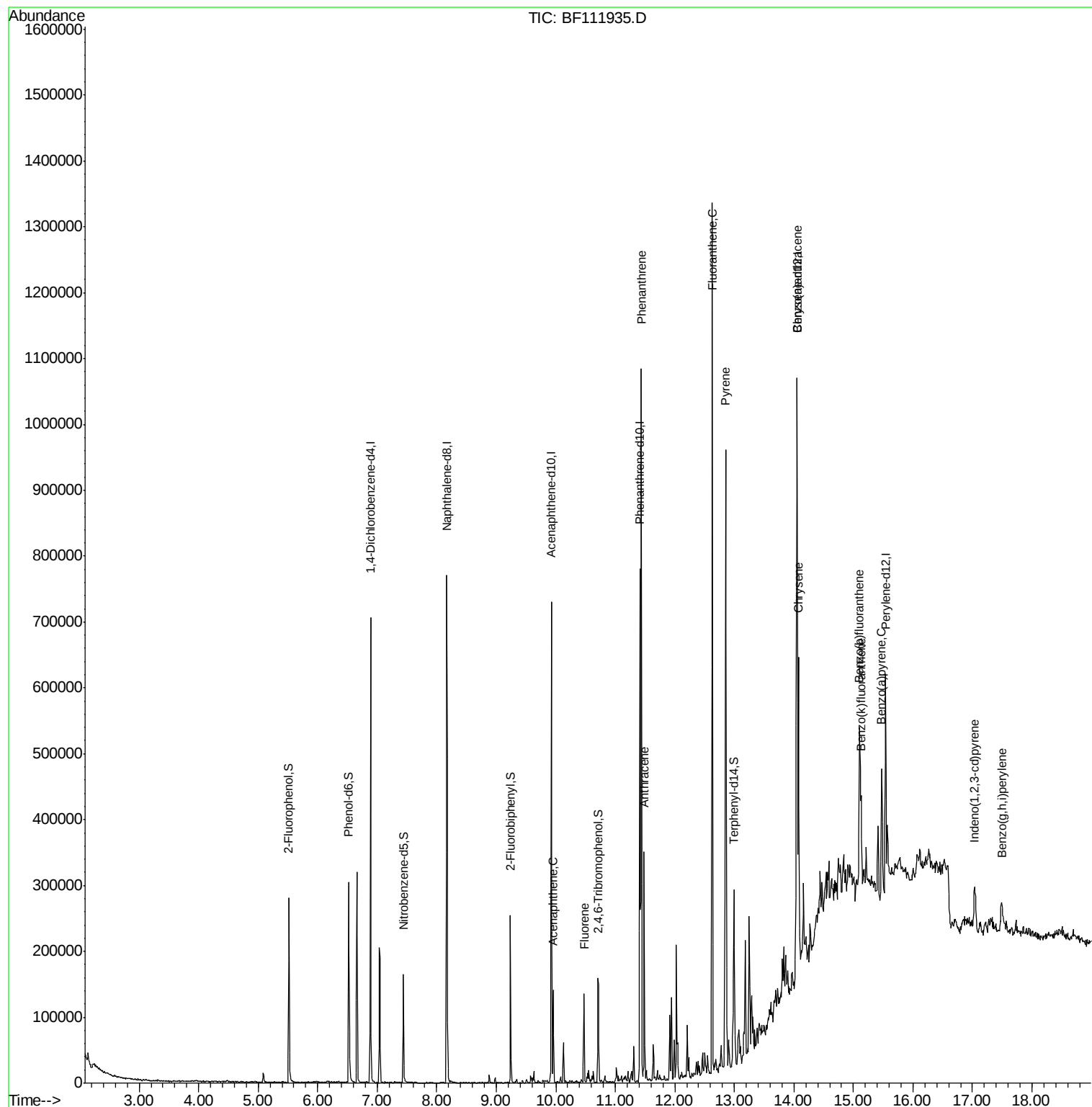
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111935.D
Acq On : 9 Jan 2019 4:56
Operator : JU/SJ
Sample : K1075-17DL 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

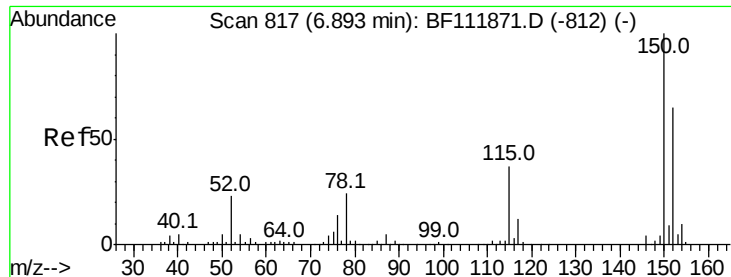
Instrument :
BNA_F
ClientSampled :
BASIN-9DL

Manual Integrations
APPROVED

Sohil
1/9/2019 10:37:03 AM

Quant Time: Jan 09 05:35:19 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

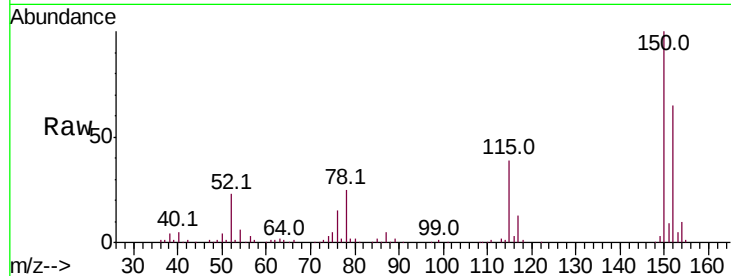
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111935.D
Acq: 9 Jan 2019 4:56

Instrument :
BNA_F
ClientSampleId :
BASIN-9DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	122.7	184.1
115	59.0	45.2	67.8

Manual Integrations
APPROVED

Sohil
1/9/2019 10:37:03 AM

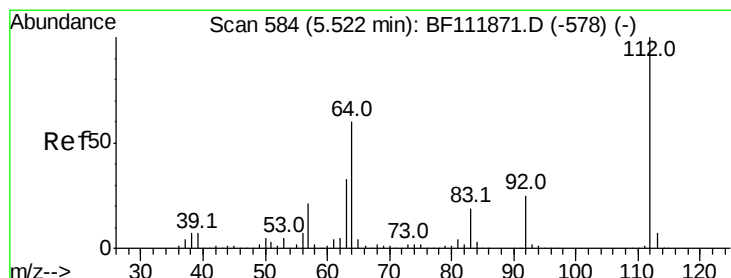
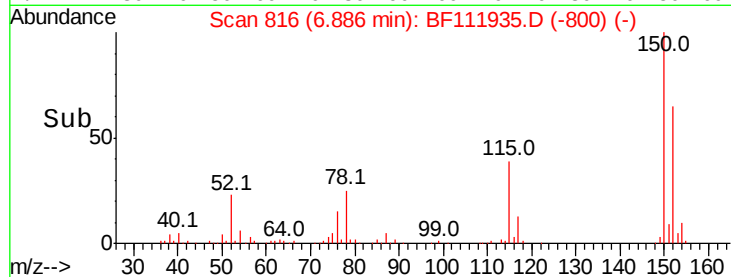
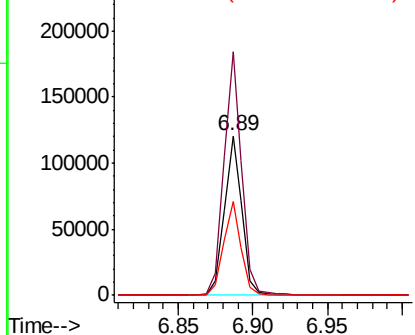


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

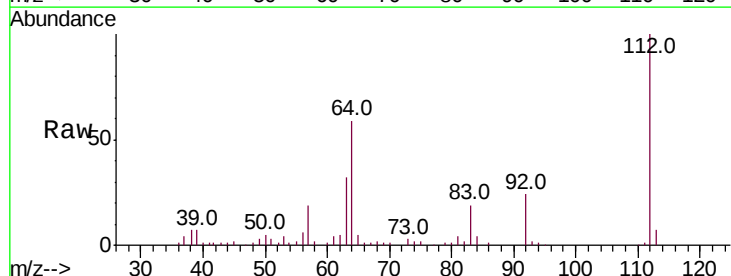
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 12.636 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111935.D
Acq: 9 Jan 2019 4:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	48.3	72.5
63	32.2	26.1	39.1

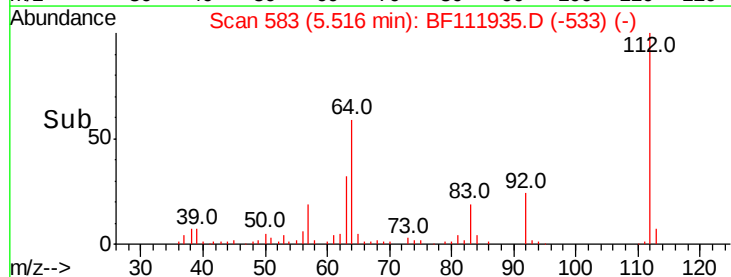
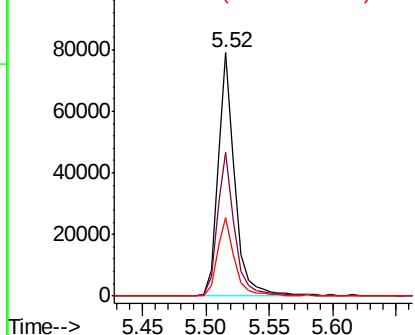


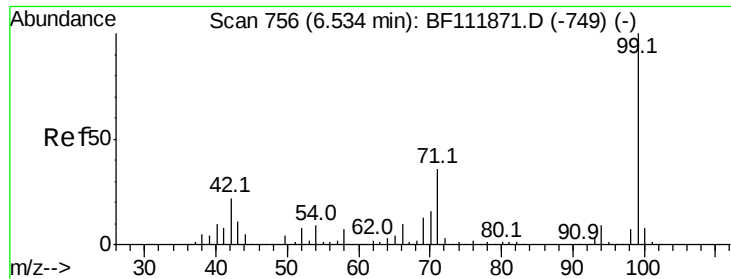
Abundance

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: 12.065 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Instrument :

BNA_F

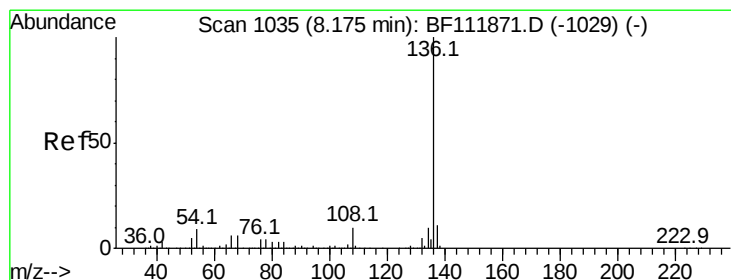
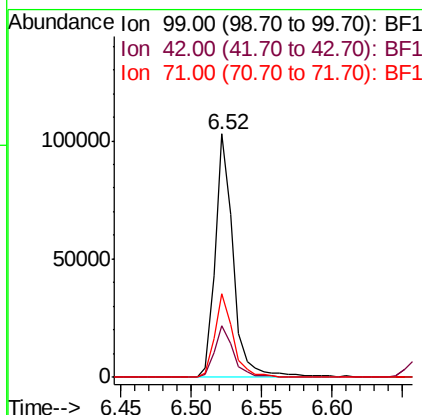
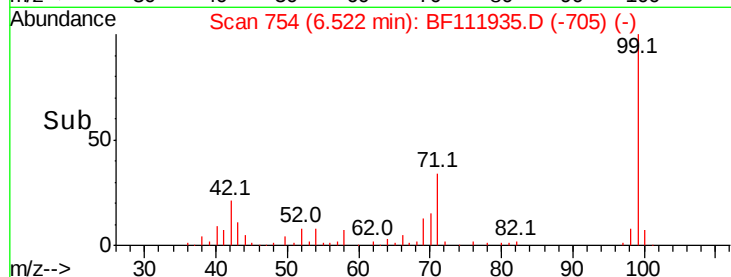
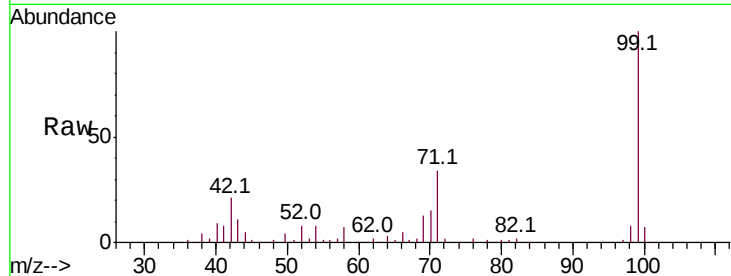
ClientSampled :

BASIN-9DL

Tot Ion:	99	Resp:	91440
Ion Ratio	Lower	Upper	
99	100		
42	21.4	17.9	26.9
71	34.2	28.7	43.1

Manual Integrations
APPROVED

Sohil
1/9/2019 10:37:03 AM



#21

Naphthalene-d8

Concen: 20.000 ng

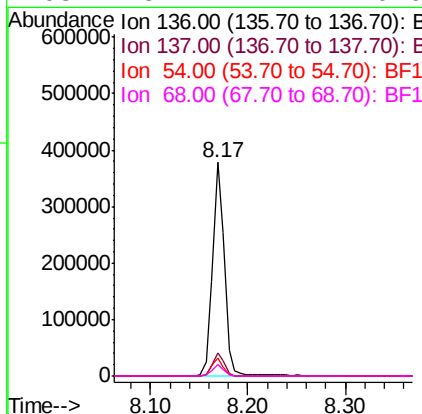
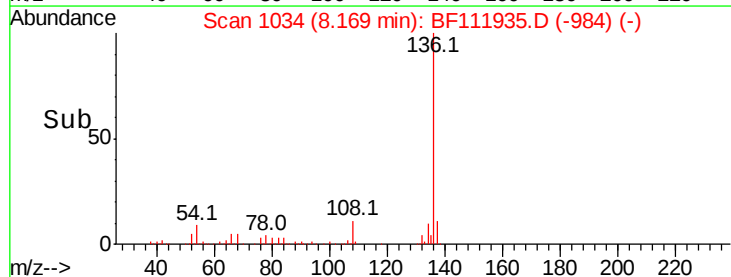
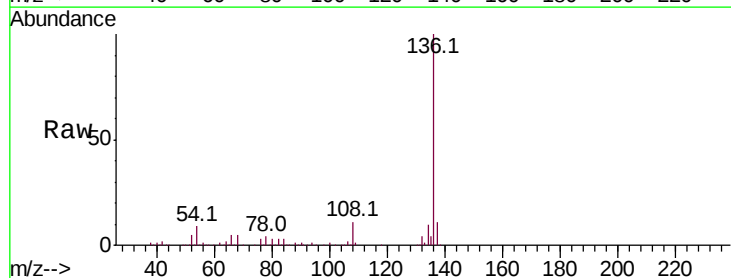
RT: 8.17 min Scan# 1034

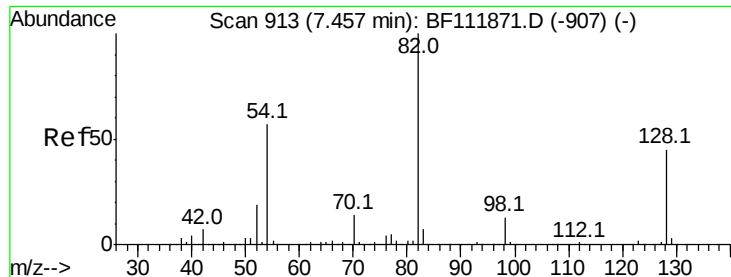
Delta R.T. -0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Tgt Ion:	136	Resp:	321084
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	8.7	7.2	10.8
68	5.2	4.4	6.6





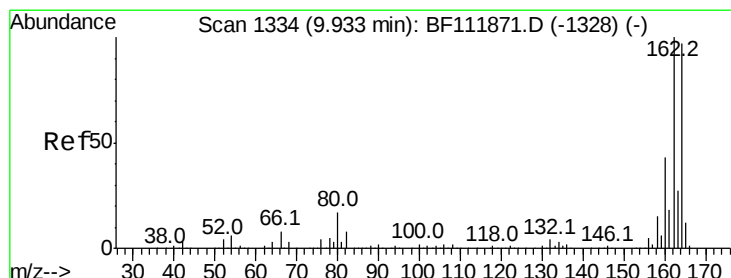
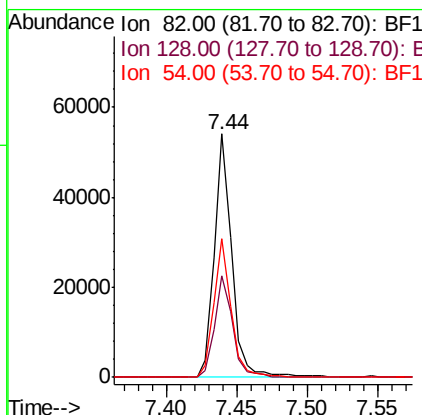
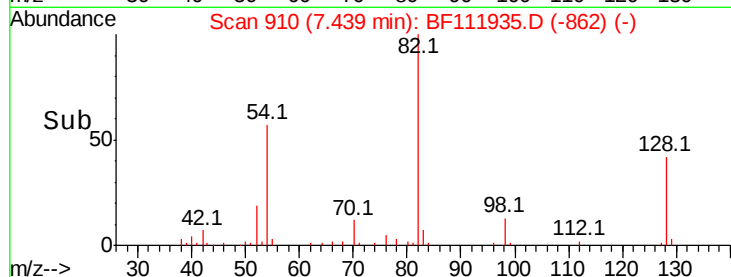
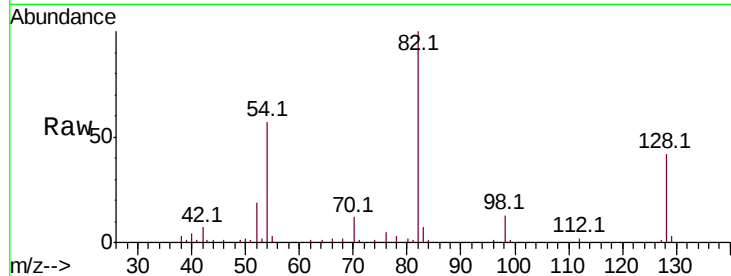
#23
Nitrobenzene-d5
Concen: 7.781 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF111935.D
Acq: 9 Jan 2019 4:56

Instrument :
BNA_F
ClientSampleId :
BASIN-9DL

Tot Ion	82	Resp	46746
Ion Ratio	100	Lower	Upper
128	41.6	35.7	53.5
54	56.8	45.8	68.8

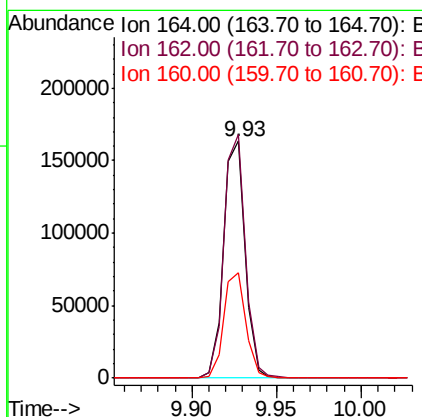
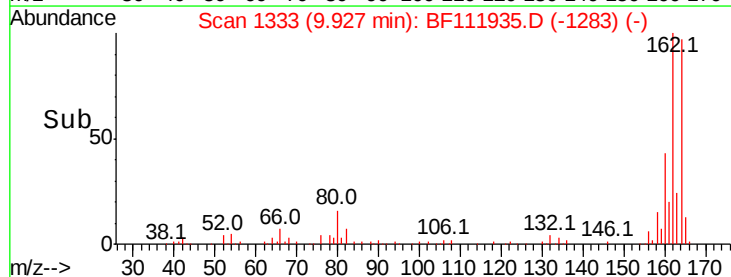
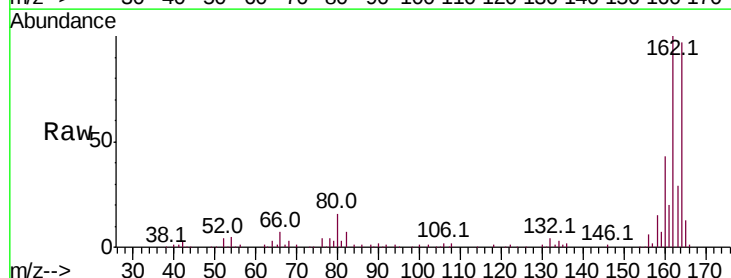
Manual Integrations
APPROVED

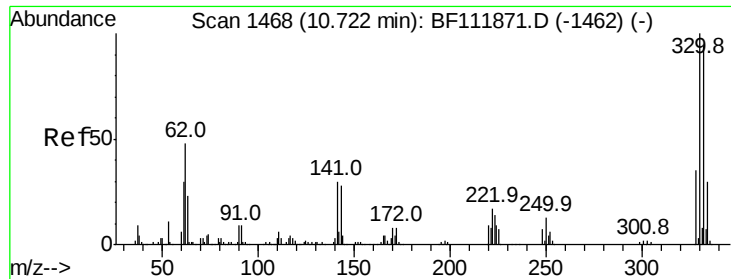
Sohil
1/9/2019 10:37:03 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111935.D
Acq: 9 Jan 2019 4:56

Tgt Ion	164	Resp	145881
Ion Ratio	100	Lower	Upper
162	102.9	82.2	123.2
160	44.7	35.5	53.3





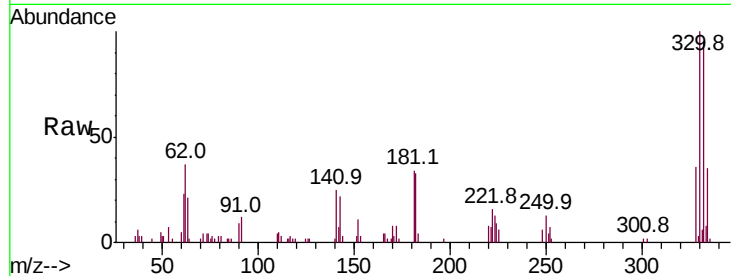
#42
 2,4,6-Tribromophenol
 Concen: 9.011 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111935.D
 Acq: 9 Jan 2019 4:56

Instrument :
 BNA_F
 ClientSampleId :
 BASIN-9DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	17099		
332	98.9	76.9	115.3	
141	32.2	23.7	35.5	

Manual Integrations
 APPROVED

Sohil
 1/9/2019 10:37:03 AM

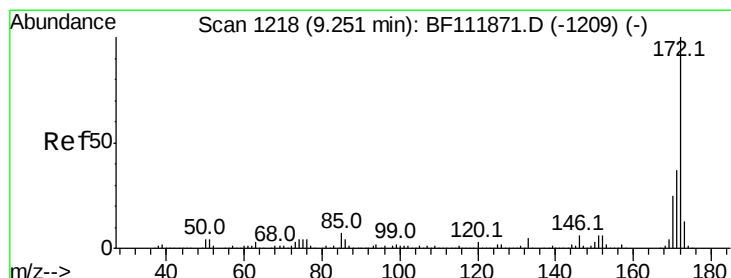
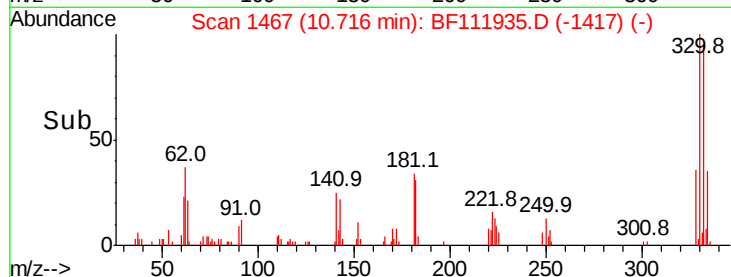
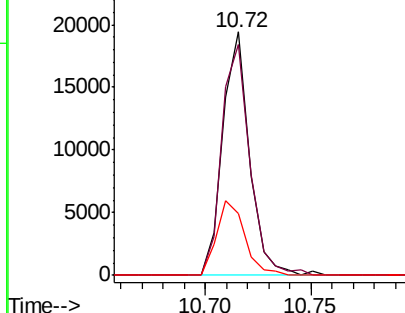


Abundance

Ion 329.80 (329.50 to 330.50): E

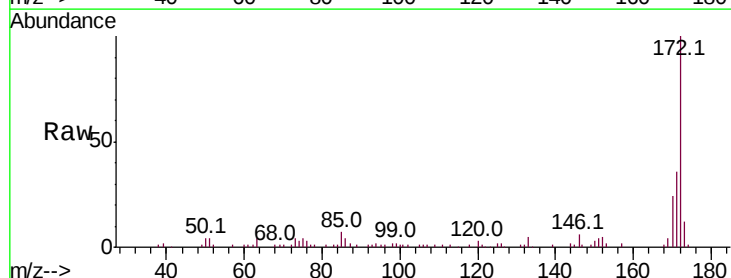
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 7.308 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF111935.D
 Acq: 9 Jan 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	73115		
171	35.8	29.6	44.4	
170	23.9	19.8	29.8	

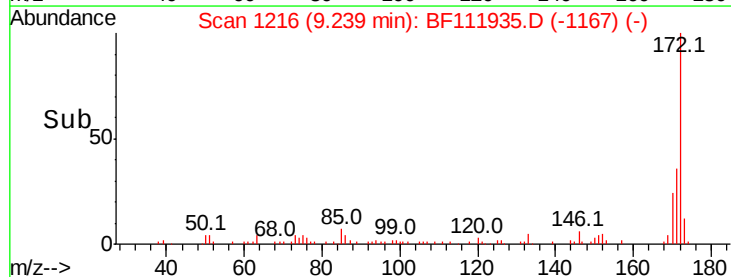
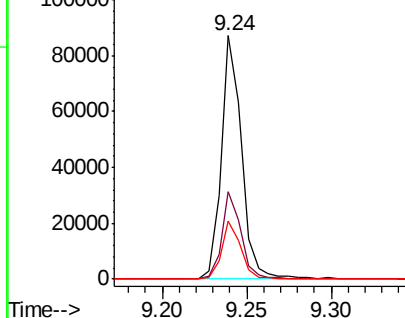


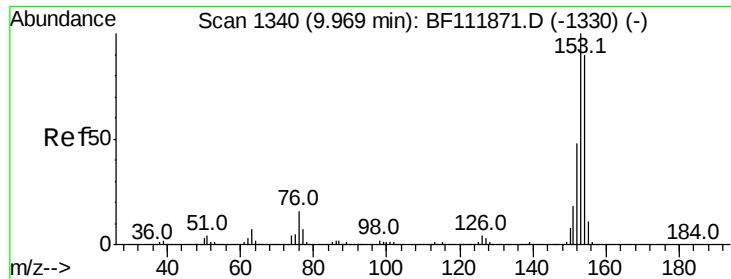
Abundance

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





#52

Acenaphthene

Concen: 2.988 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Instrument :

BNA_F

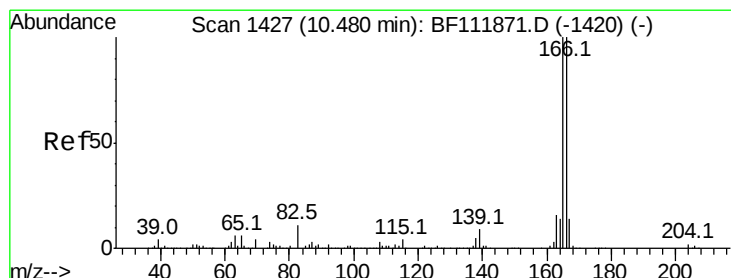
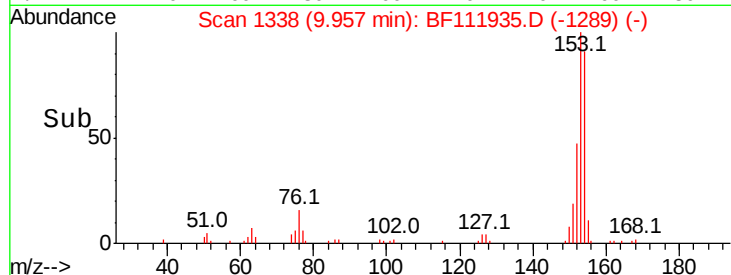
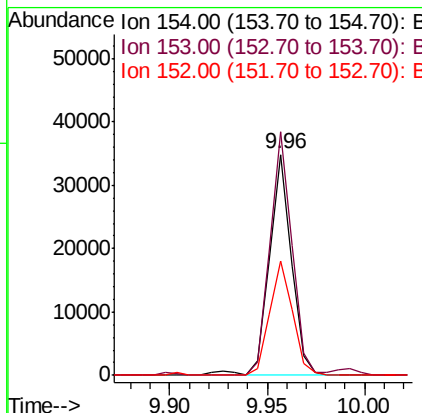
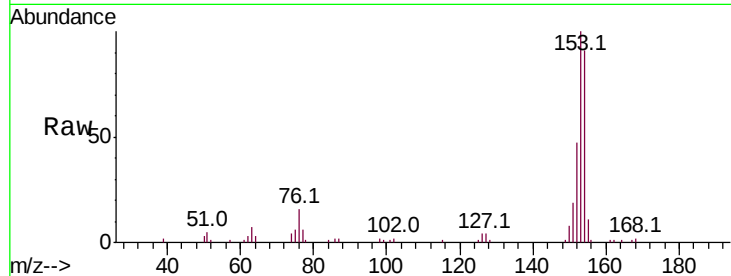
ClientSampleID :

BASIN-9DL

Tot Ion:	154	Resp:	27274
Ion Ratio	Lower	Upper	
154	100		
153	110.3	89.4	134.0
152	51.9	43.1	64.7

Manual Integrations
APPROVED

Sohil
1/9/2019 10:37:03 AM



#58

Fluorene

Concen: 3.821 ng

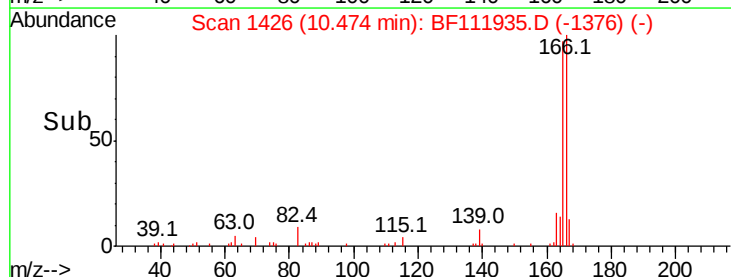
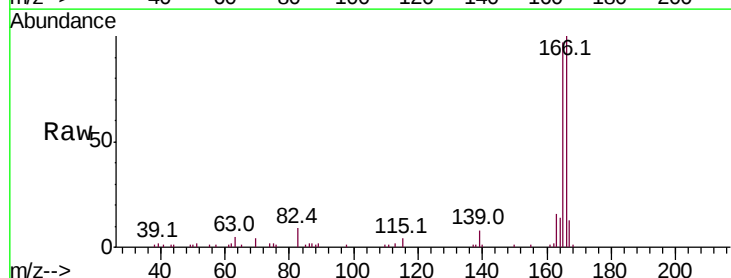
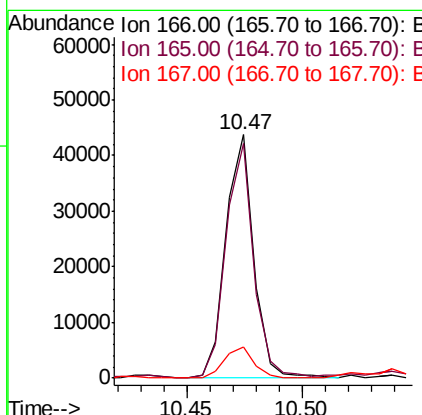
RT: 10.47 min Scan# 1426

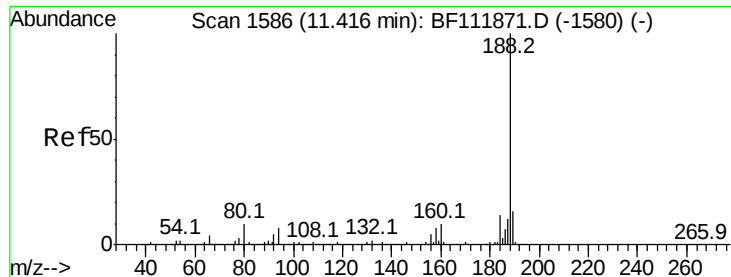
Delta R.T. -0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Tgt Ion:	166	Resp:	36913
Ion Ratio	Lower	Upper	
166	100		
165	96.5	79.7	119.5
167	12.8	11.1	16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Instrument :

BNA_F

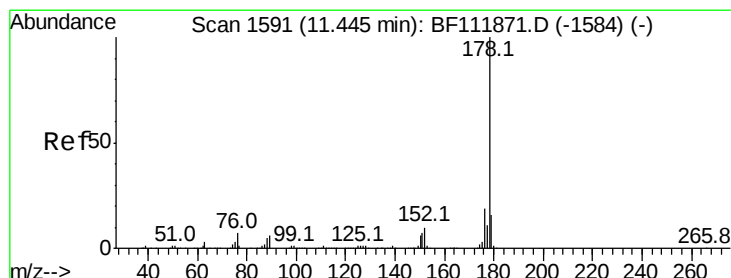
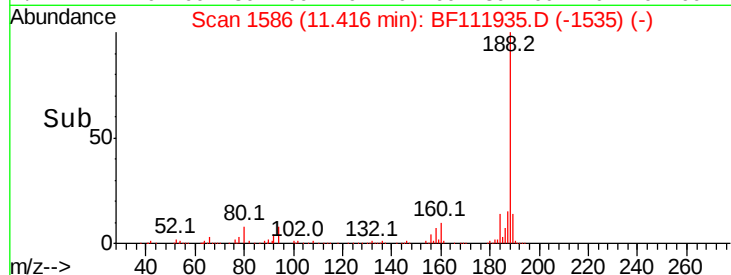
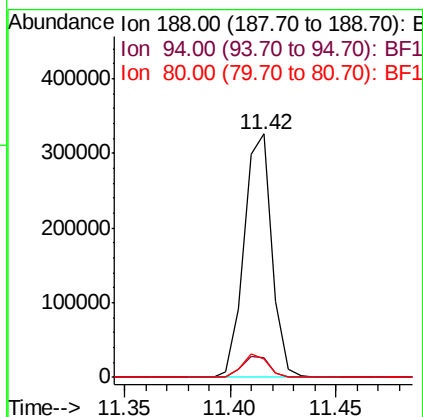
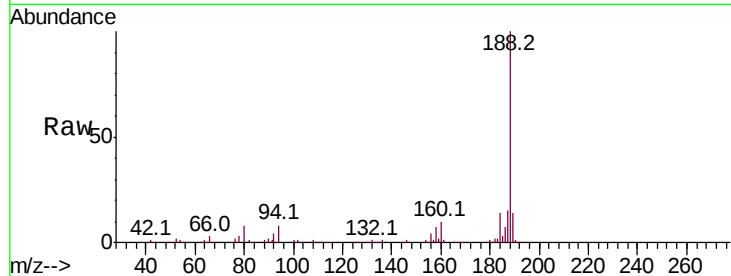
ClientSampleId :

BASIN-9DL

Tot Ion:188	Resp:	296975
Ion Ratio	Lower	Upper
188 100		
94 8.1	6.6	10.0
80 7.7	7.7	11.5

Manual Integrations
APPROVED

Sohil
1/9/2019 10:37:03 AM



#71

Phenanthrene

Concen: 25.402 ng

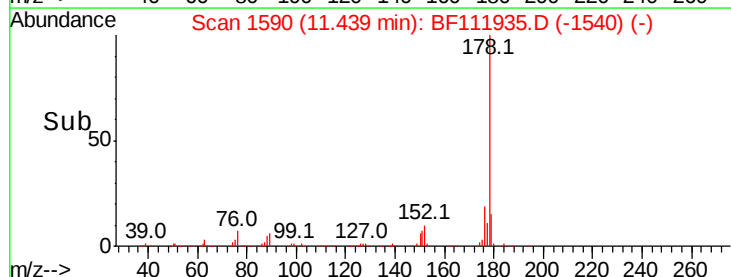
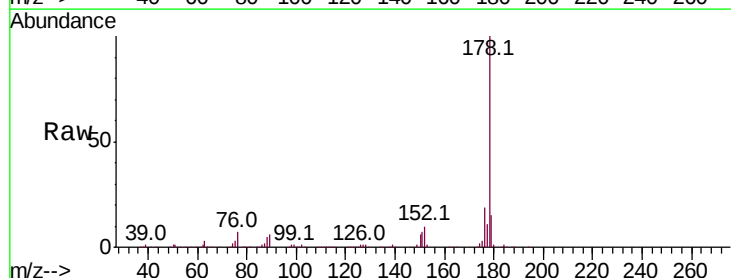
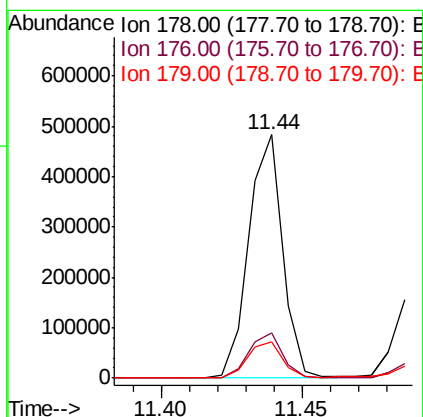
RT: 11.44 min Scan# 1590

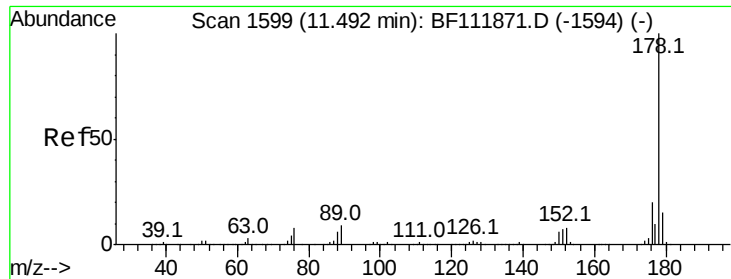
Delta R.T. -0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Tgt Ion:178	Resp:	403329
Ion Ratio	Lower	Upper
178 100		
176 18.8	15.6	23.4
179 15.1	12.6	18.8





#72

Anthracene

Concen: 8.543 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Instrument :

BNA_F

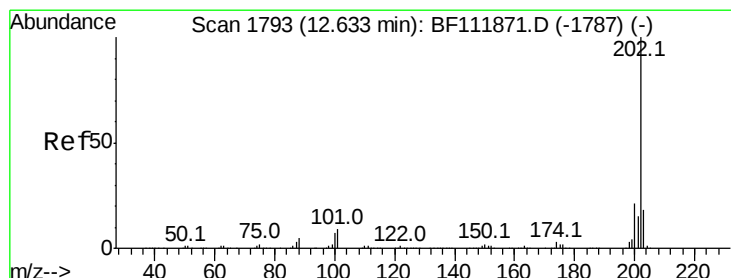
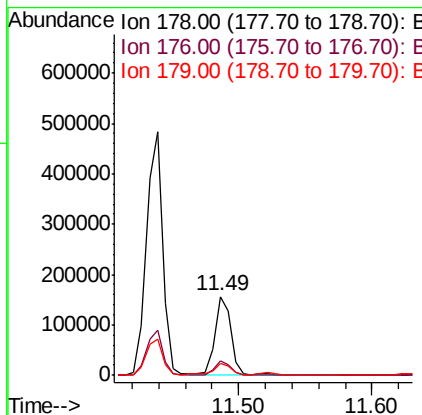
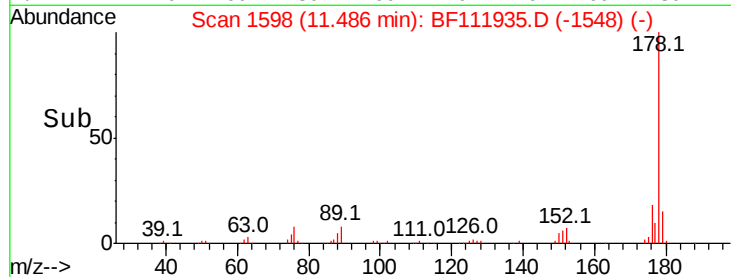
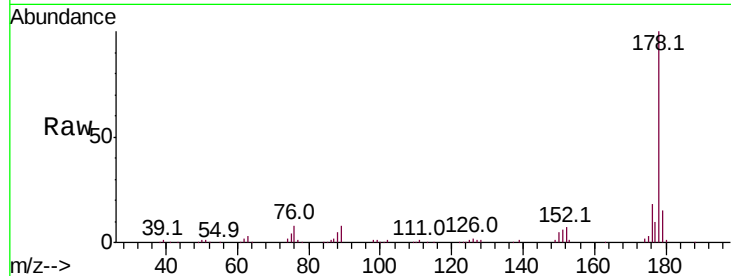
ClientSampleId :

BASIN-9DL

Tot Ion:	178	Resp:	137696
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.7	23.5
179	14.9	12.4	18.6

Manual Integrations
APPROVED

Sohil
1/9/2019 10:37:03 AM



#75

Fluoranthene

Concen: 31.431 ng

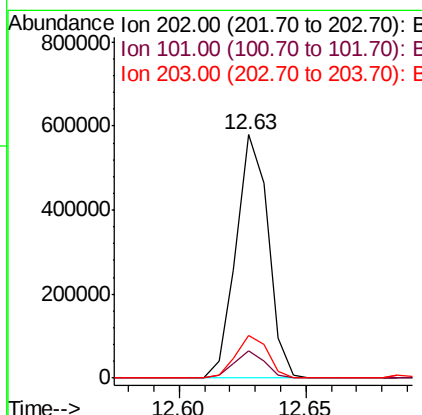
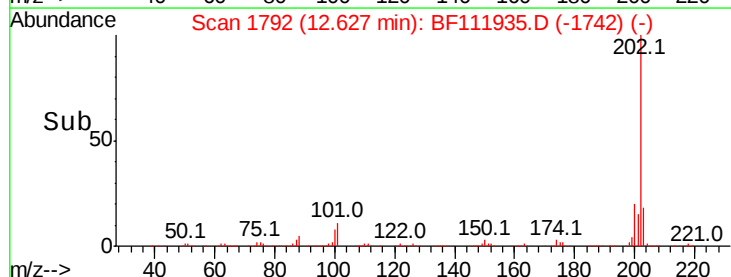
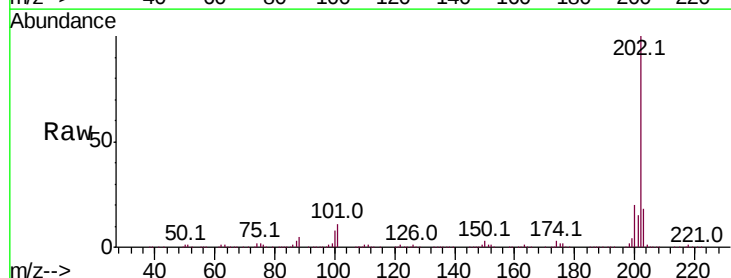
RT: 12.63 min Scan# 1792

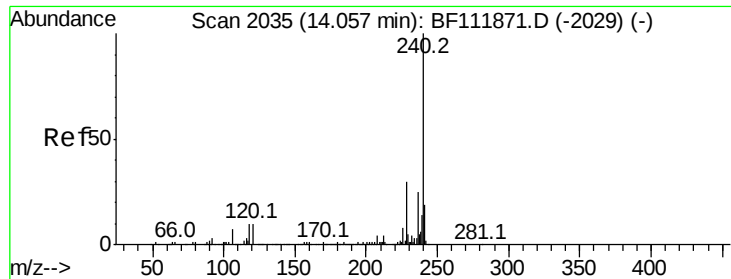
Delta R.T. -0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Tgt Ion:	202	Resp:	512319
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	29.3
203	17.7	0.0	37.6





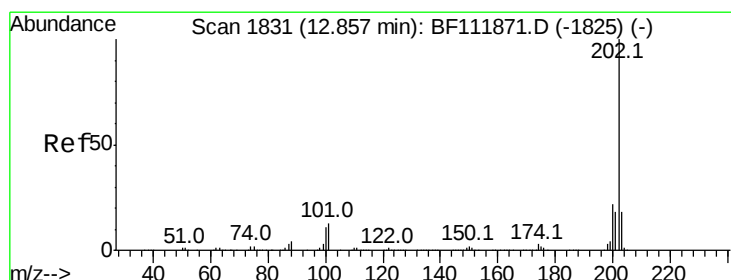
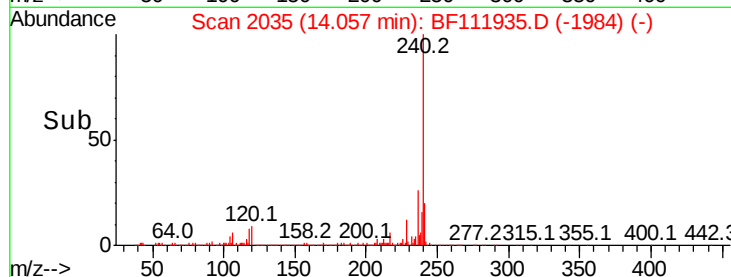
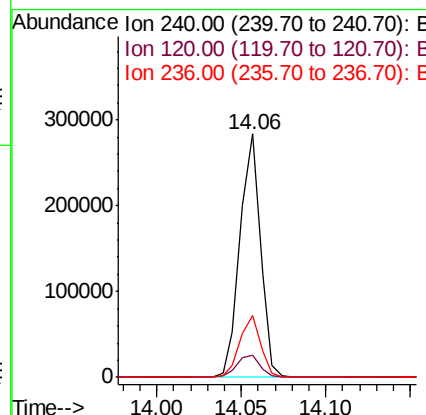
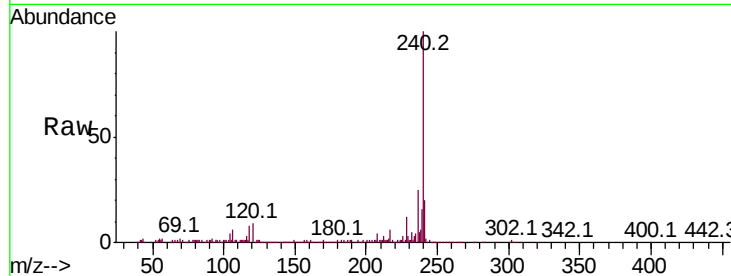
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF111935.D
Acq: 9 Jan 2019 4:56

Instrument :
BNA_F
ClientSampleId :
BASIN-9DL

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	9.1	8.2	12.2
236	25.5	20.2	30.4

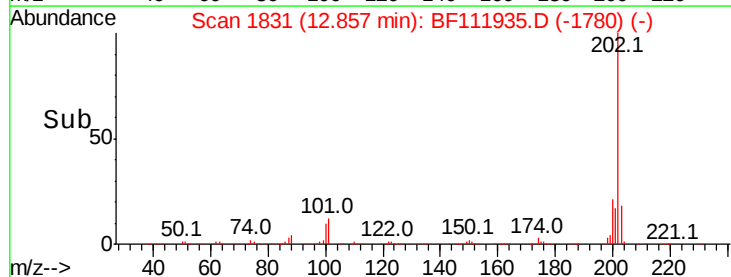
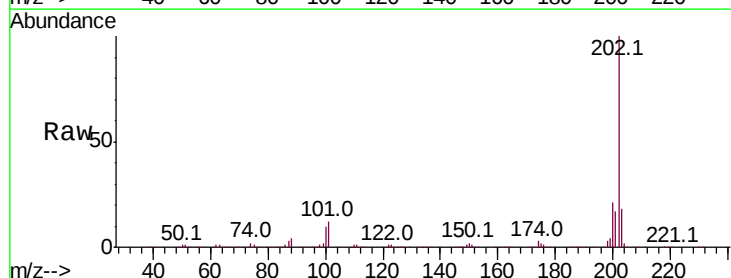
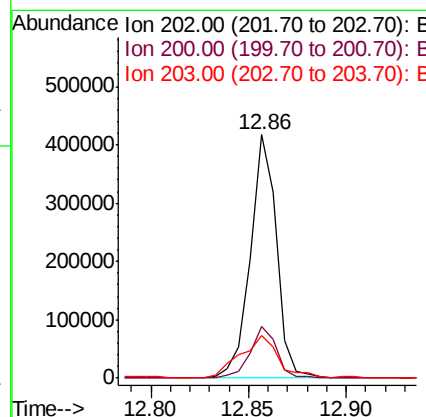
Manual Integrations
APPROVED

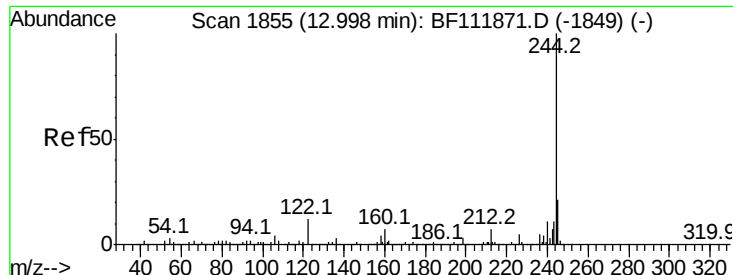
Sohil
1/9/2019 10:37:03 AM



#78
Pyrene
Concen: 23.440 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF111935.D
Acq: 9 Jan 2019 4:56

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.7	14.6	21.8





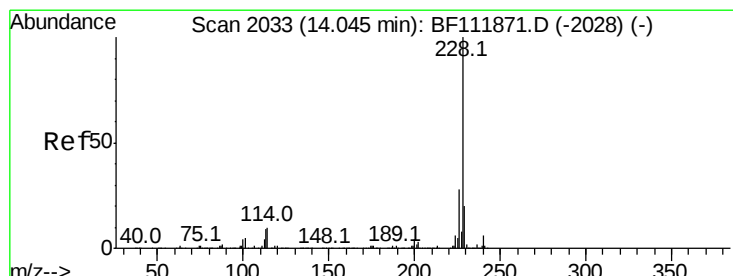
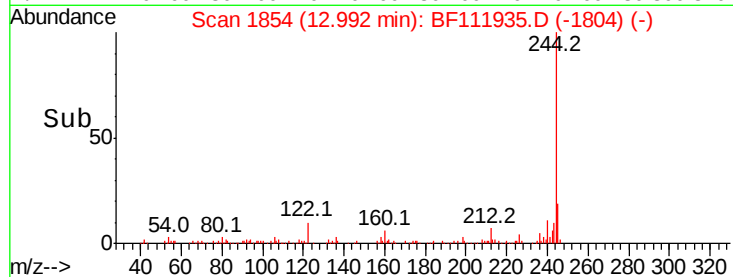
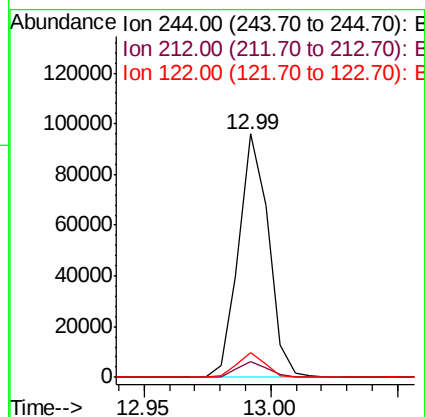
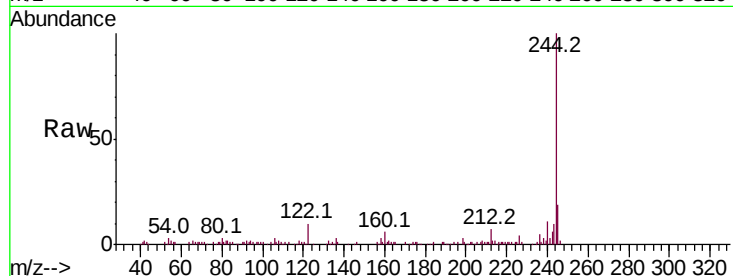
#79
 Terphenyl-d14
 Concen: 6.183 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF111935.D
 Acq: 9 Jan 2019 4:56

Instrument :
 BNA_F
 ClientSampleId :
 BASIN-9DL

Tot Ion:	244	Resp:	78668
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.8	8.8
122	10.3	9.5	14.3

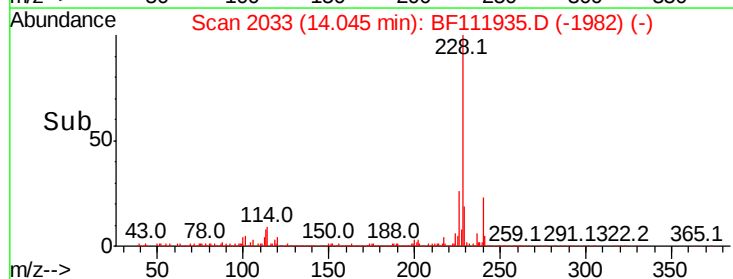
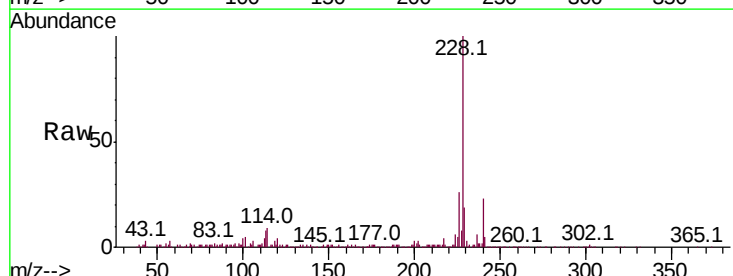
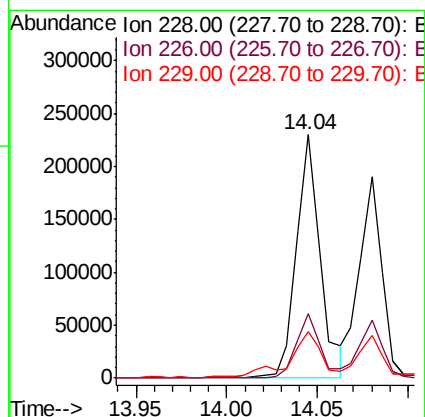
Manual Integrations
 APPROVED

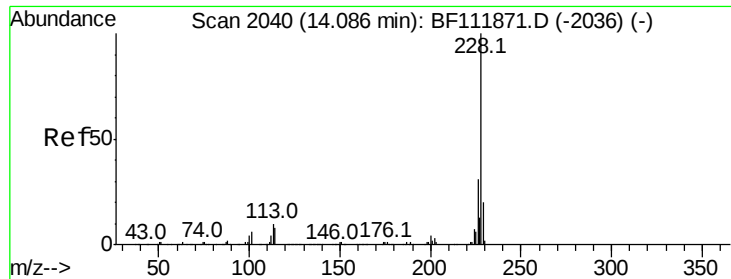
Sohil
 1/9/2019 10:37:03 AM



#81
 Benzo(a)anthracene
 Concen: 15.566 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: BF111935.D
 Acq: 9 Jan 2019 4:56

Tgt Ion:	228	Resp:	216356
Ion Ratio	Lower	Upper	
228	100		
226	26.4	22.2	33.2
229	19.2	16.2	24.2





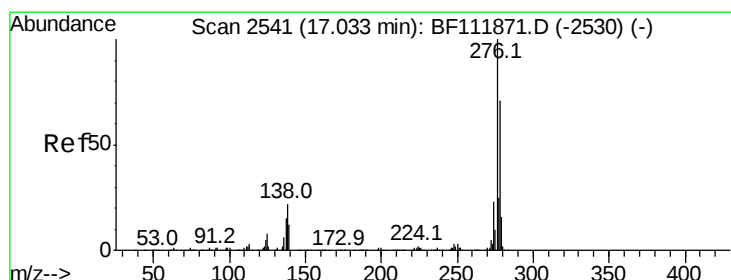
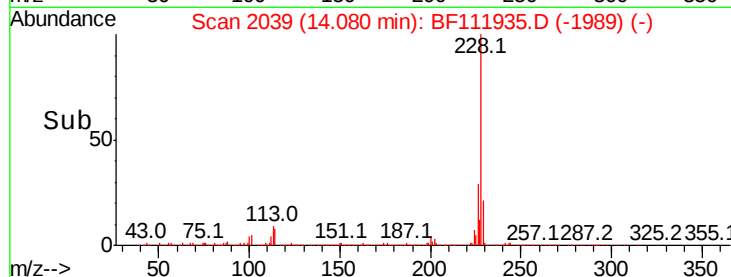
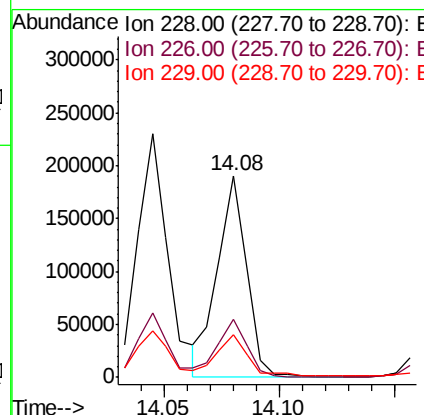
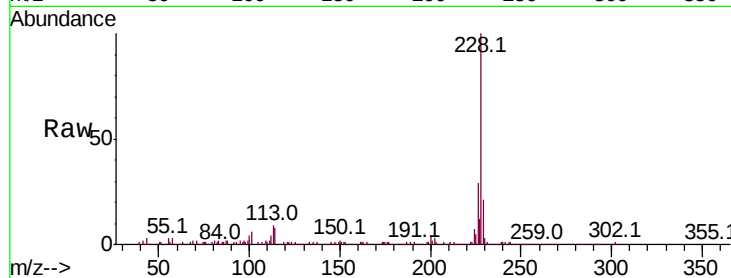
#83
Chrysene
Concen: 12.538 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF111935.D
Acq: 9 Jan 2019 4:56

Instrument :
BNA_F
ClientSampleId :
BASIN-9DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.6	37.0
229	21.1	15.7	23.5

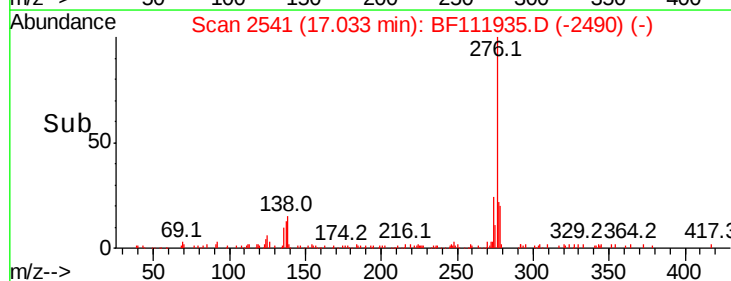
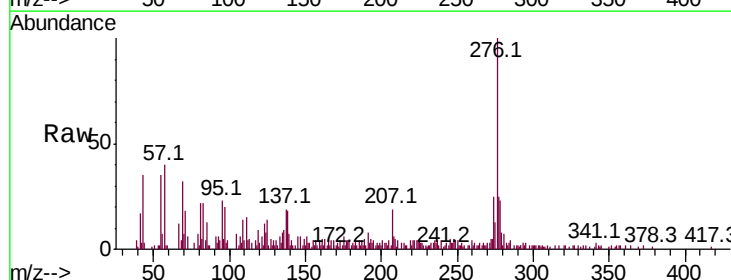
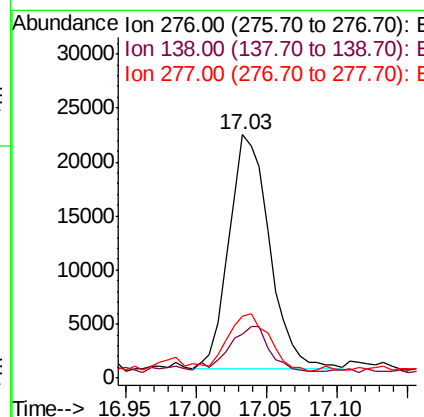
Manual Integrations
APPROVED

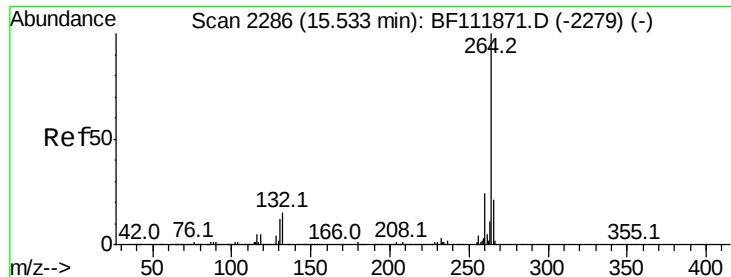
Sohil
1/9/2019 10:37:03 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.513 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.00 min
Lab File: BF111935.D
Acq: 9 Jan 2019 4:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	18.1	27.1
277	24.5	19.9	29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Instrument :

BNA_F

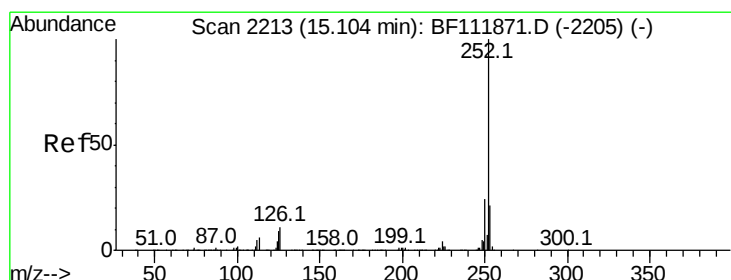
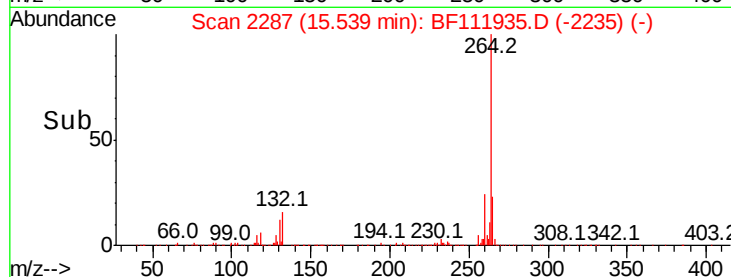
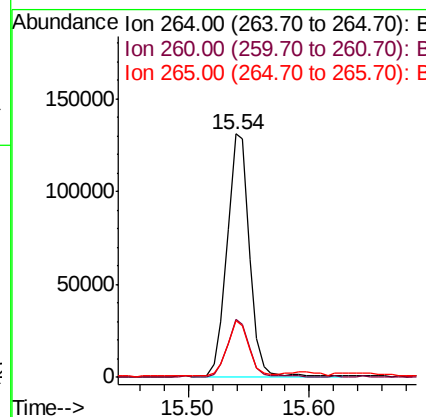
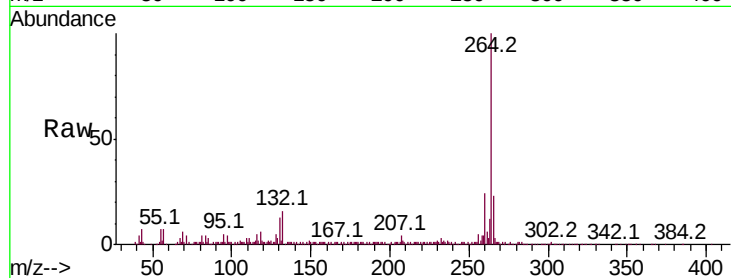
ClientSampleId :

BASIN-9DL

Tot Ion:	264	Resp:	165597
Ion Ratio		Lower	Upper
264	100		
260	24.0	19.2	28.8
265	23.5	17.1	25.7

Manual Integrations
APPROVED

Sohil
1/9/2019 10:37:03 AM



#88

Benzo(b)fluoranthene

Concen: 14.917 ng m

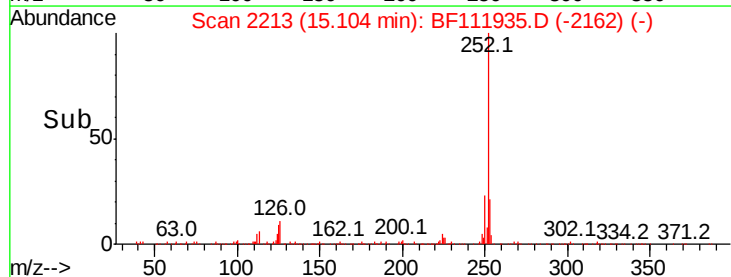
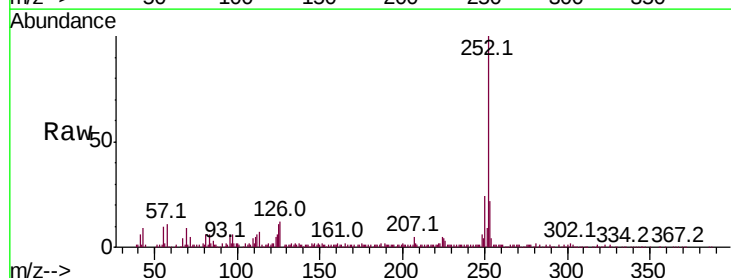
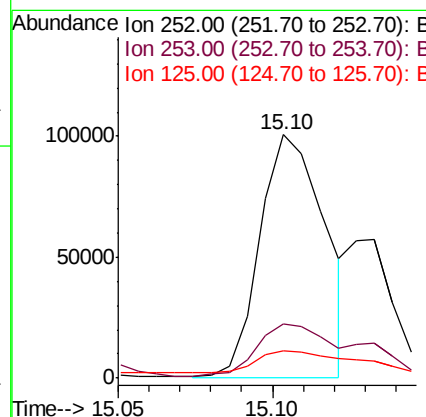
RT: 15.10 min Scan# 2213

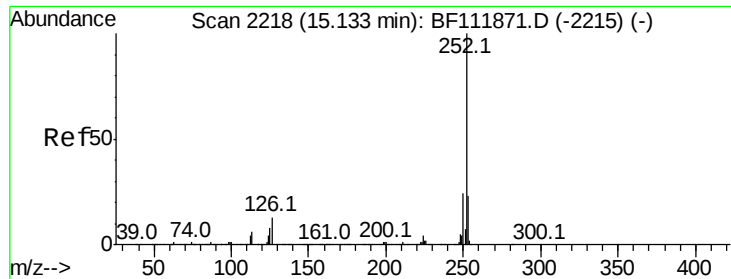
Delta R.T. -0.00 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Tgt Ion:	252	Resp:	147770
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.3	7.1	10.7#





#89

Benzo(k)fluoranthene

Concen: 6.099 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.00 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

Instrument :

BNA_F

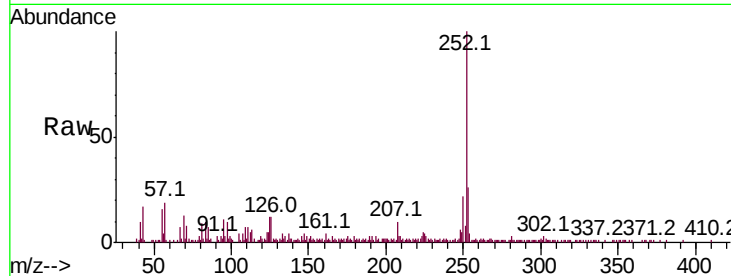
ClientSampleId :

BASIN-9DL

Tot Ion:	252	Resp:	56786
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.8	26.6
125	11.9	7.0	10.4

Manual Integrations
APPROVED

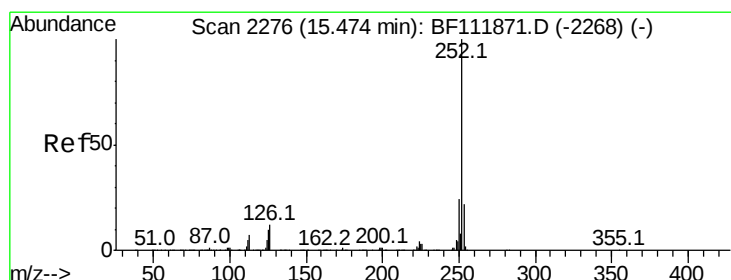
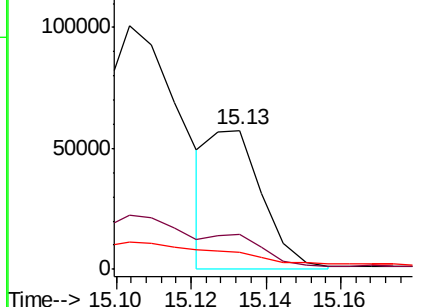
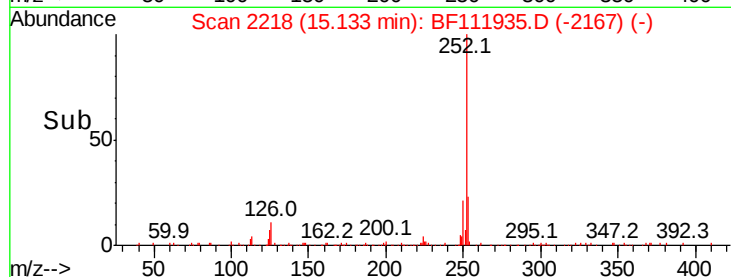
Sohil
1/9/2019 10:37:03 AM



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



#90

Benzo(a)pyrene

Concen: 11.728 ng

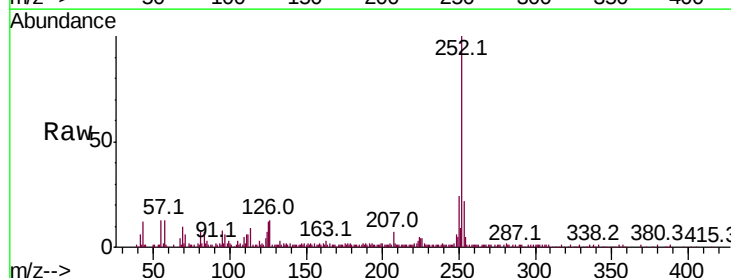
RT: 15.47 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BF111935.D

Acq: 9 Jan 2019 4:56

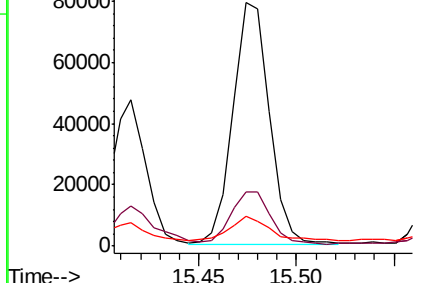
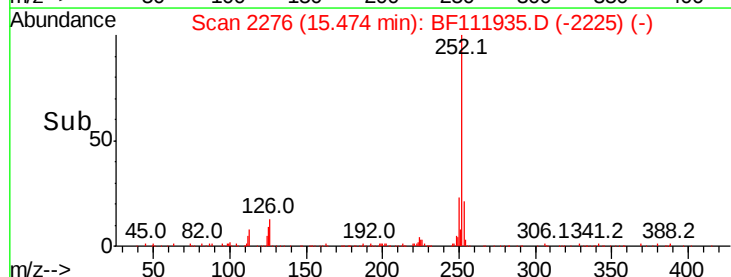
Tgt Ion:	252	Resp:	102149
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.2
125	12.3	7.9	11.9

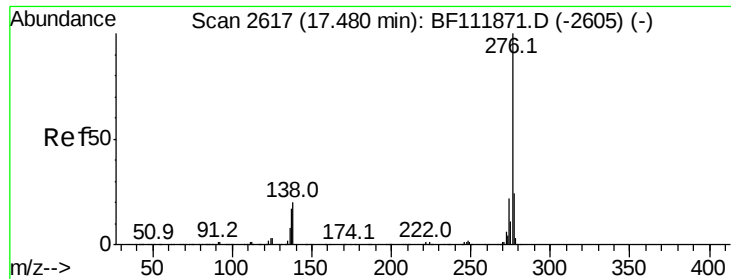


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 5.501 ng
 RT: 17.49 min Scan# 2619
 Delta R.T. 0.01 min
 Lab File: BF111935.D
 Acq: 9 Jan 2019 4:56

Instrument :
 BNA_F
 ClientSampleId :
 BASIN-9DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	31.3	19.0	28.6#
138	23.1	16.2	24.2

Manual Integrations
 APPROVED

Sohil
 1/9/2019 10:37:03 AM

