

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
 Data File : BF114028.D
 Acq On : 29 Apr 2019 17:44
 Operator : JU/SJ
 Sample : K2564-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-2_042419

Manual Integrations
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 4/30/2019 6:42:22 PM

Quant Time: Apr 30 06:23:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	127917	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	494298	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	252721	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	463006	20.00	ng	0.00
76) Chrysene-d12	14.04	240	322562	20.00	ng	-0.02
87) Perylene-d12	15.53	264	393719	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	591358	79.07	ng	0.00
7) Phenol-d6	6.52	99	772955	82.38	ng	0.00
23) Nitrobenzene-d5	7.45	82	466281	58.24	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	246533	80.08	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	942061	58.30	ng	-0.01
79) Terphenyl-d14	12.99	244	896036	56.95	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.63	163	119310	6.528	ng	98
71) Phenanthrene	11.43	178	225860	9.707	ng	98
72) Anthracene	11.48	178	64370	2.739	ng	97
75) Fluoranthene	12.62	202	342357	13.486	ng	95
78) Pyrene	12.84	202	302295	13.401	ng	97
81) Benzo(a)anthracene	14.03	228	181350	9.542	ng	99
83) Chrysene	14.07	228	151843	8.204	ng	96
86) Indeno(1,2,3-cd)pyrene	17.01	276	97767	5.576	ng	93
88) Benzo(b)fluoranthene	15.10	252	205972m	8.269	ng	
89) Benzo(k)fluoranthene	15.12	252	69079m	3.224	ng	
90) Benzo(a)pyrene	15.47	252	157981	7.332	ng	99
92) Benzo(g,h,i)perylene	17.45	276	89129	4.367	ng	96

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

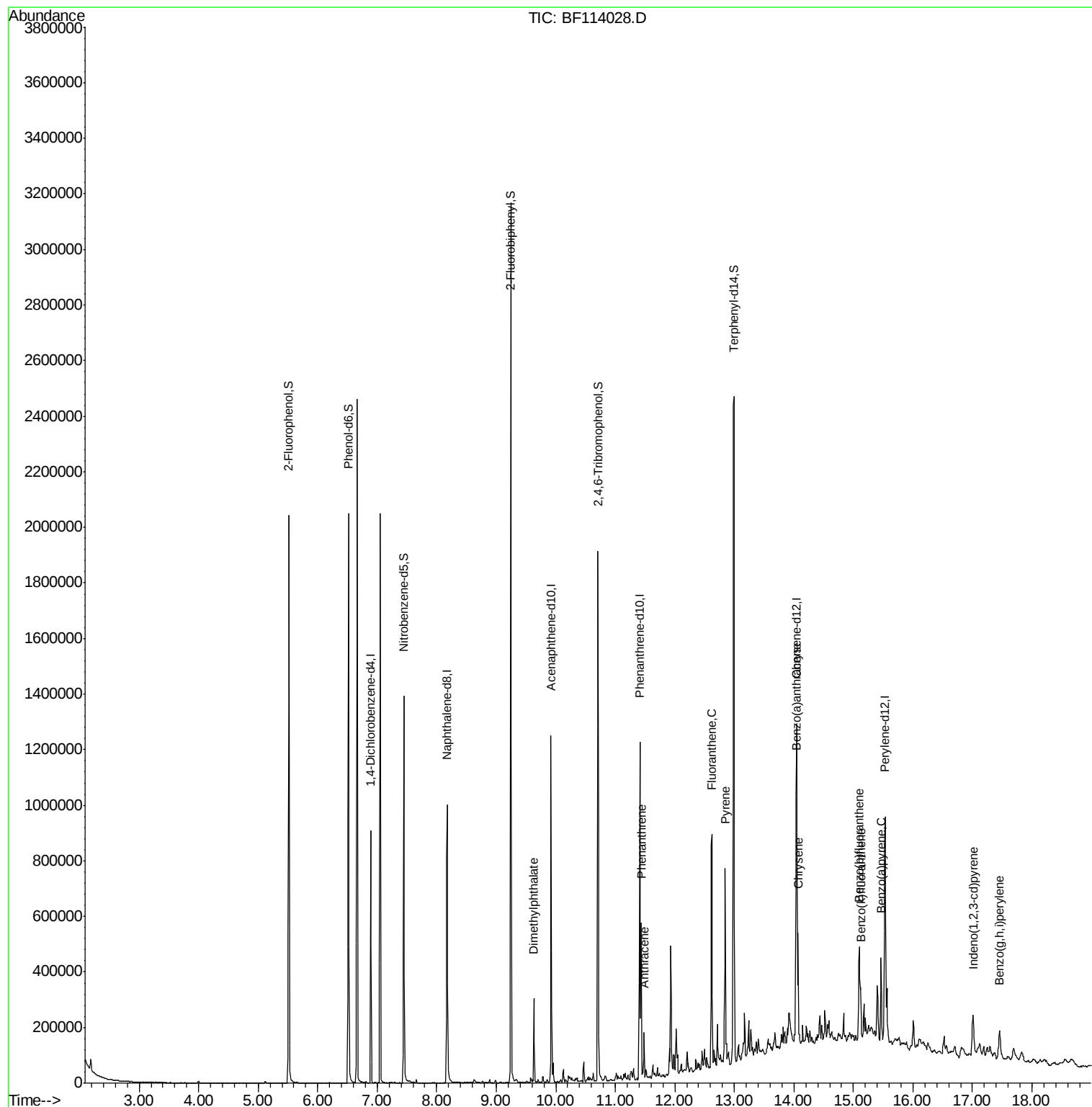
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
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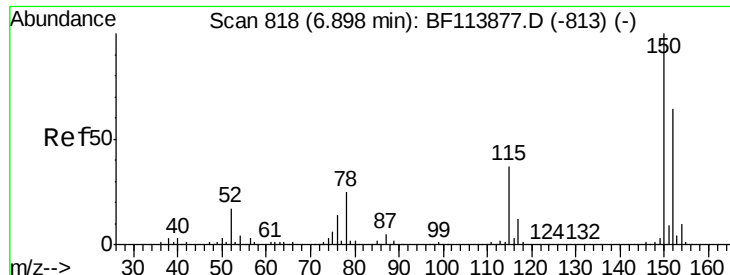
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
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#1

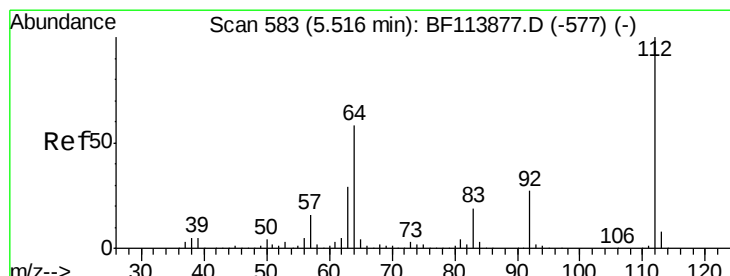
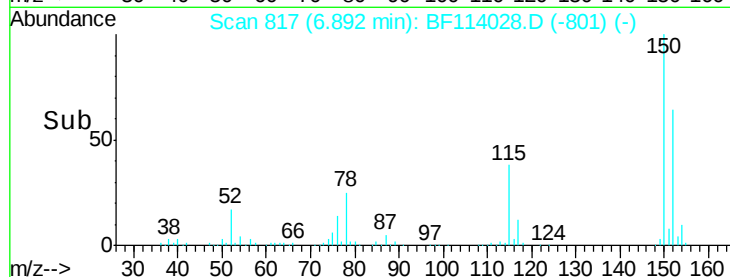
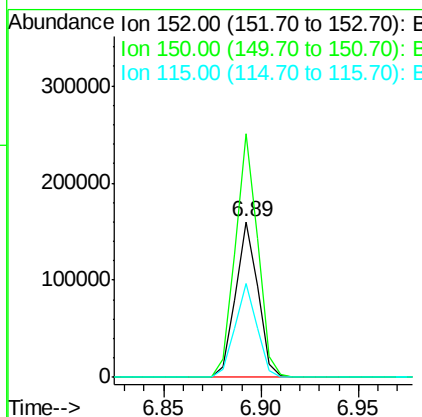
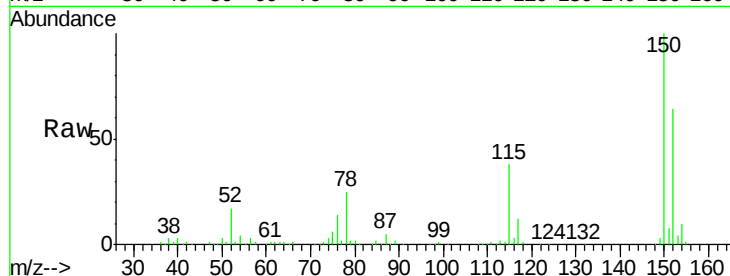
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

Instrument :
BNA_F
ClientSampleId :
C-2_042419

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	127917		
150	156.3	125.9	188.9	
115	60.1	45.9	68.9	

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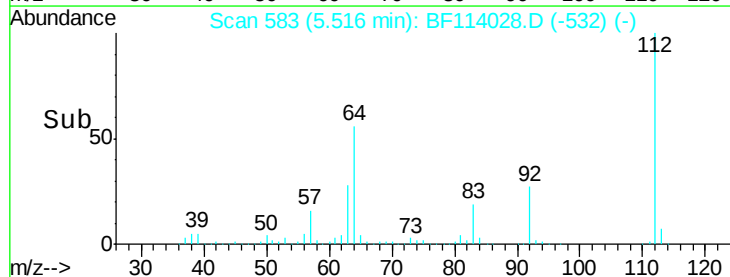
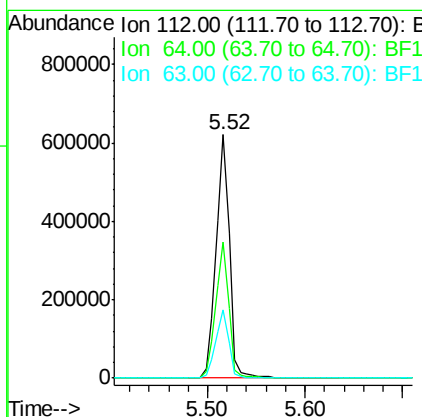
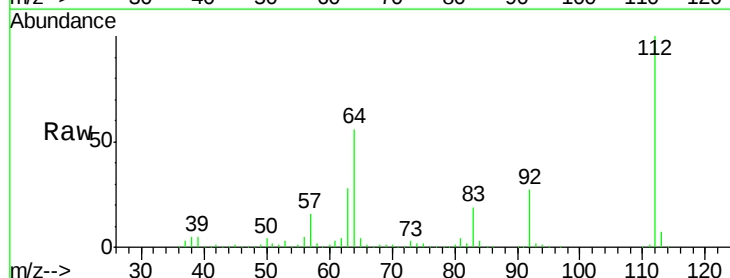
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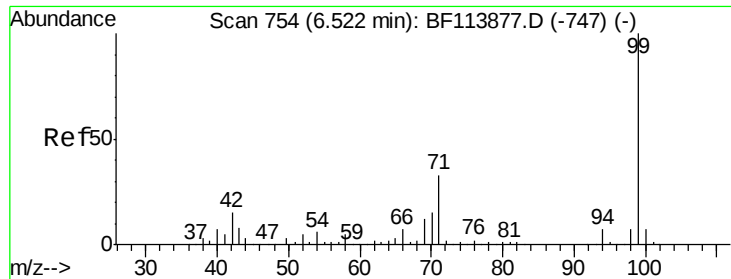


#5

2-Fluorophenol
Concen: 79.069 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	591358		
64	56.0	46.6	69.8	
63	27.9	23.1	34.7	





#7

Phenol-d6

Concen: 82.376 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Instrument :

BNA_F

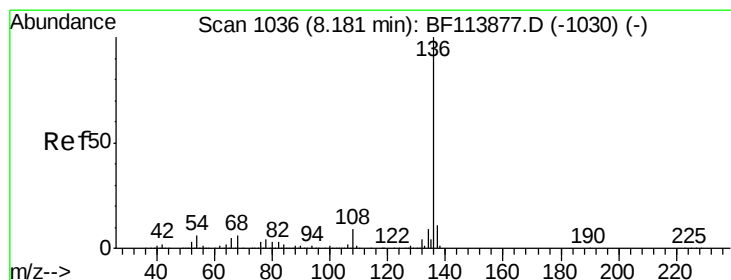
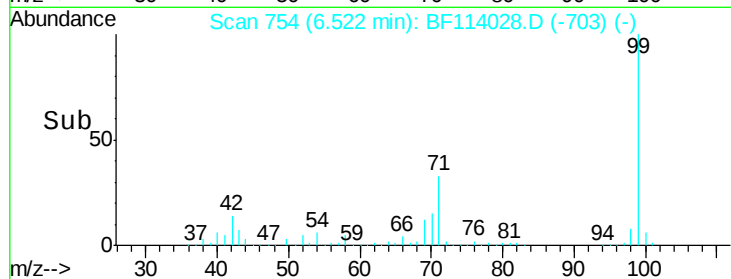
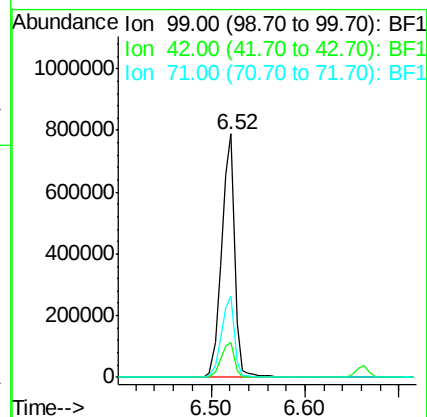
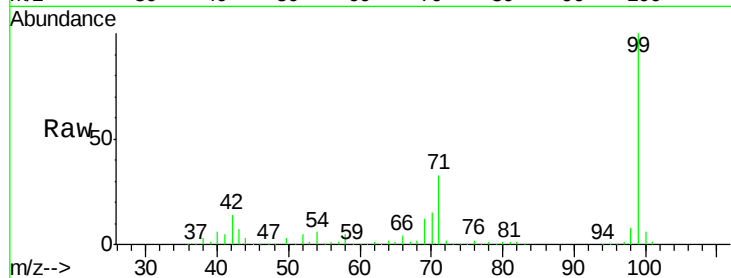
ClientSampled :

C-2_042419

Tgt Ion:	99	Resp:	772955
Ion	Ratio	Lower	Upper
99	100		
42	14.3	12.5	18.7
71	33.3	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

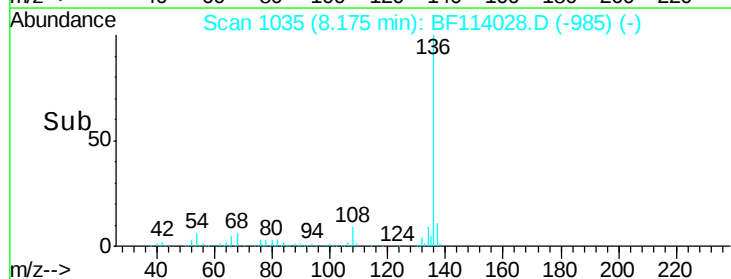
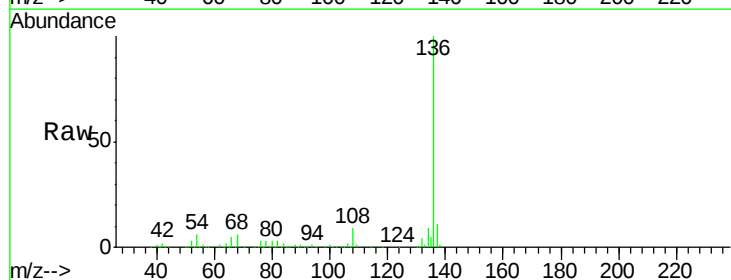
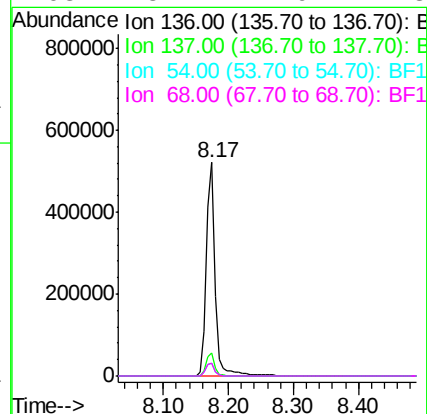
RT: 8.17 min Scan# 1035

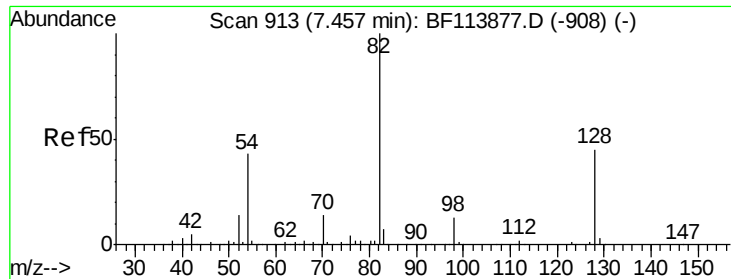
Delta R.T. -0.01 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Tgt Ion:	136	Resp:	494298
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	5.9	5.0	7.6
68	5.7	4.9	7.3





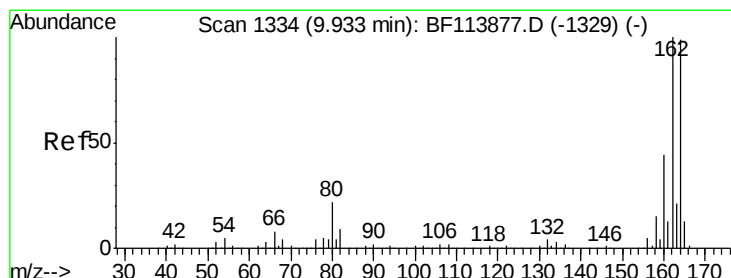
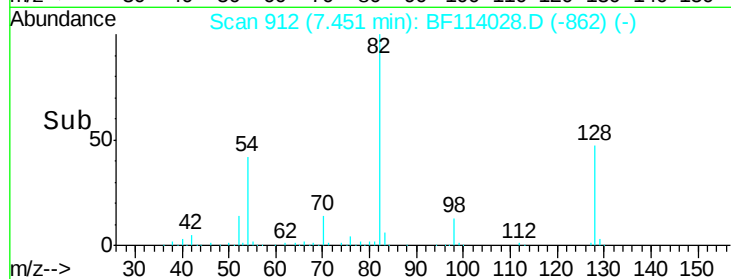
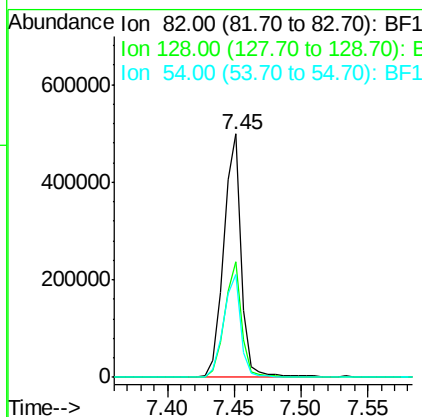
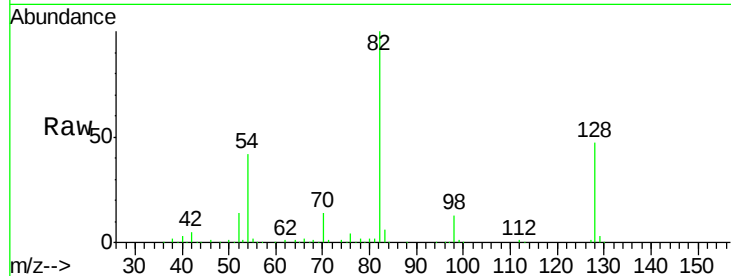
#23
 Nitrobenzene-d5
 Concen: 58.244 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

Instrument :
 BNA_F
 ClientSampleId :
 C-2_042419

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	466281		
128	47.4	36.8	55.2	
54	42.1	33.8	50.6	

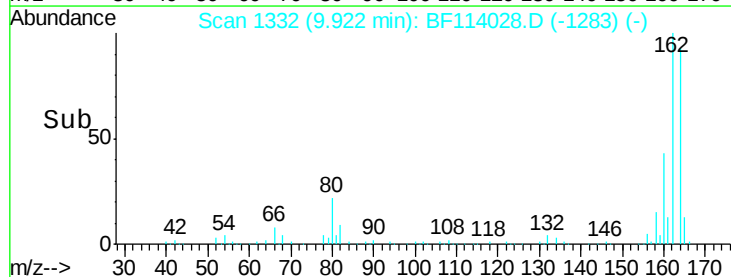
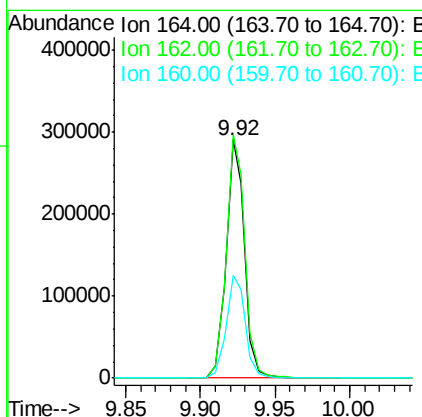
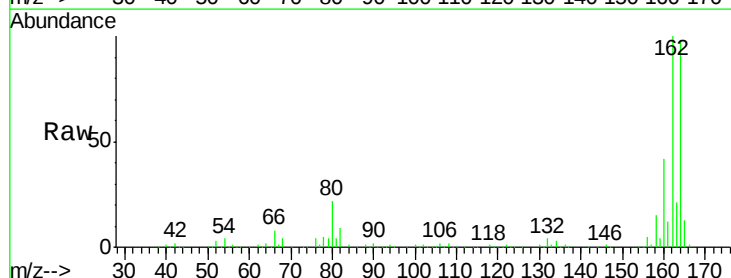
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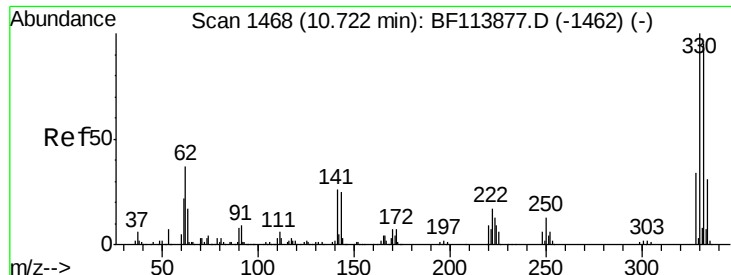
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	252721		
162	102.2	81.1	121.7	
160	43.4	35.8	53.6	





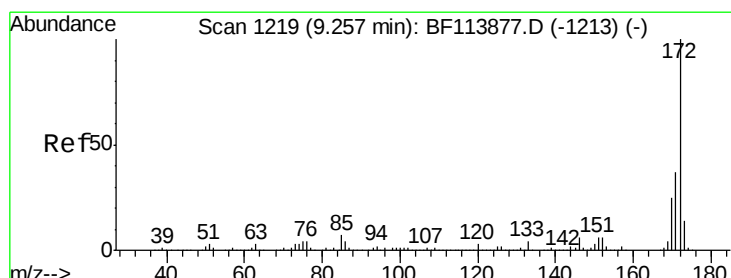
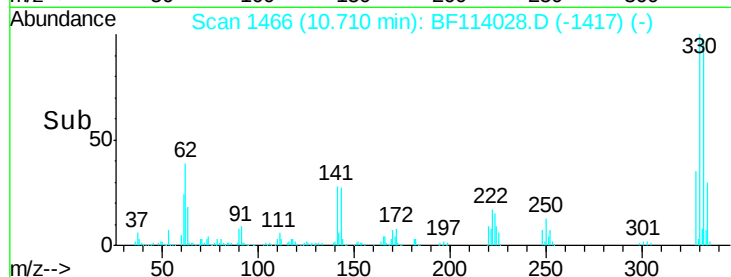
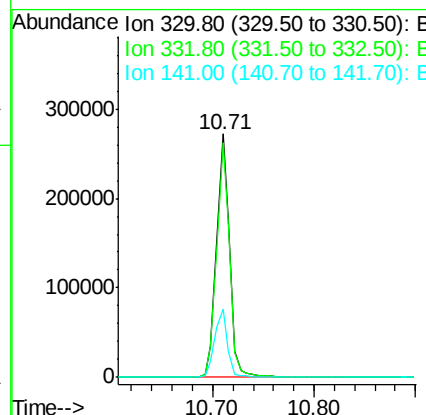
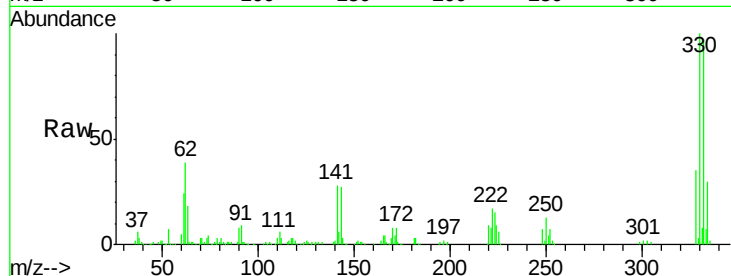
#42
 2,4,6-Tribromophenol
 Concen: 80.078 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

Instrument :
 BNA_F
 ClientSampleId :
 C-2_042419

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	246533		
332	96.5	77.5	116.3	
141	27.7	22.2	33.2	

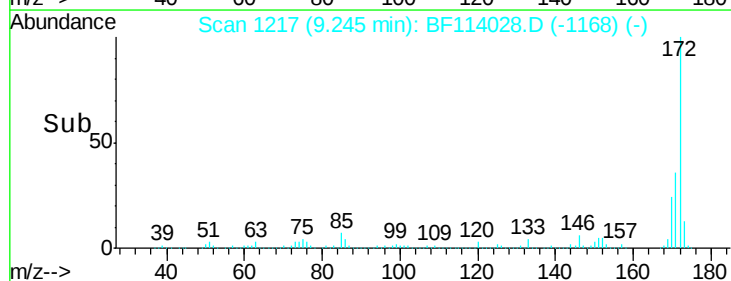
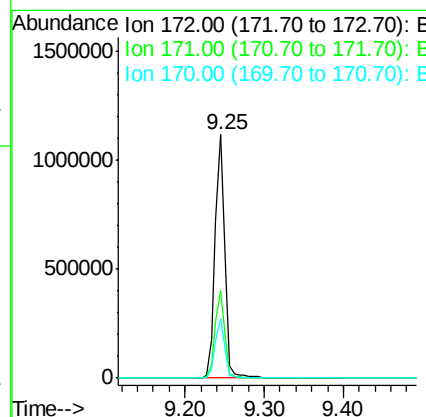
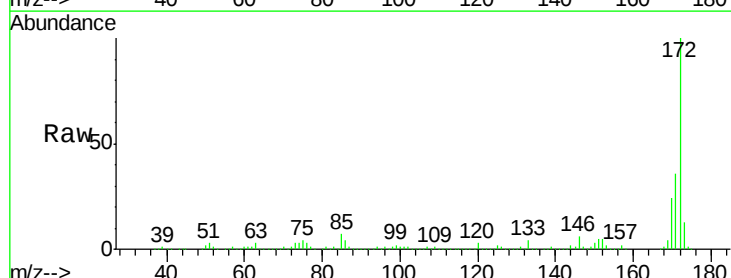
Manual Integrations
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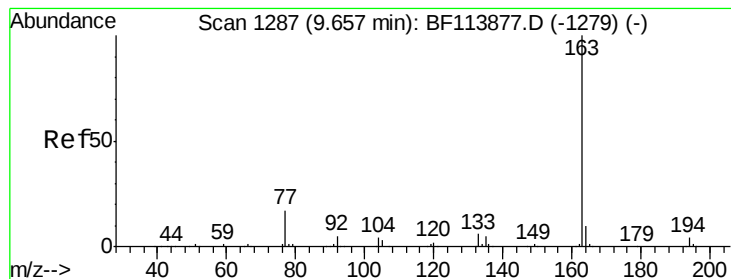
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#45
 2-Fluorobiphenyl
 Concen: 58.302 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	942061		
171	36.1	29.4	44.0	
170	24.1	19.9	29.9	





#50

Dimethylphthalate

Concen: 6.528 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Instrument :

BNA_F

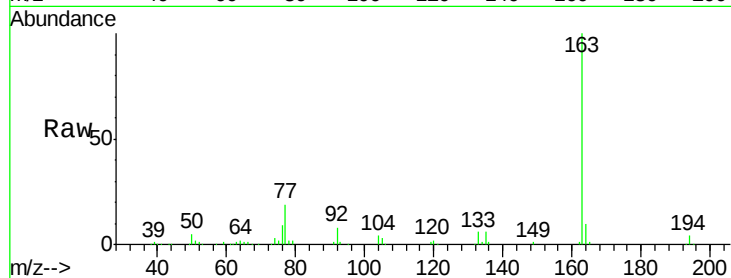
ClientSampleId :

C-2_042419

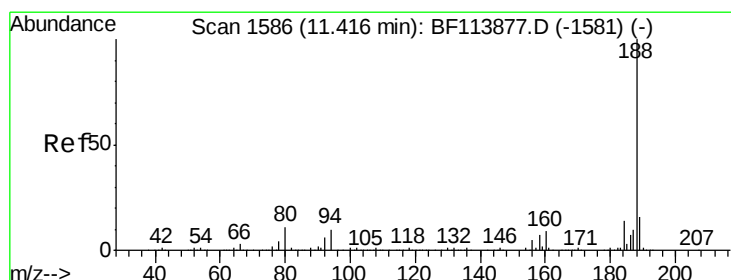
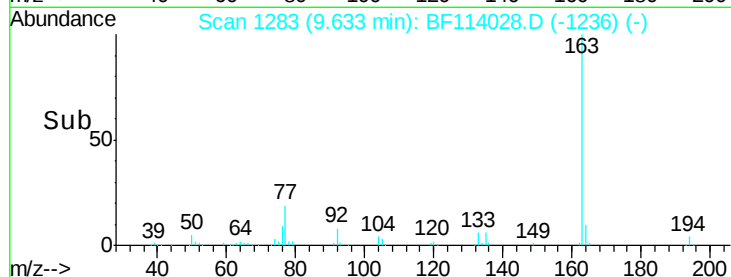
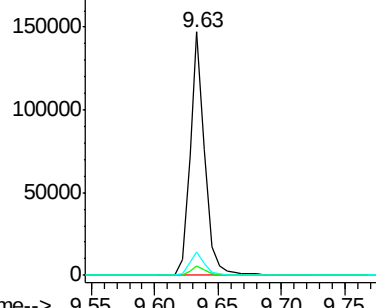
Tgt Ion:	163	Resp:	119310
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.4	5.2
164	9.7	8.5	12.7

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

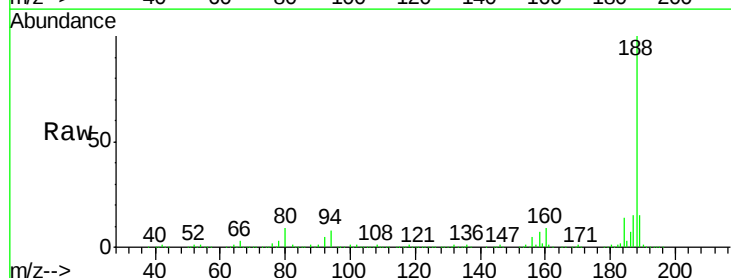
RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

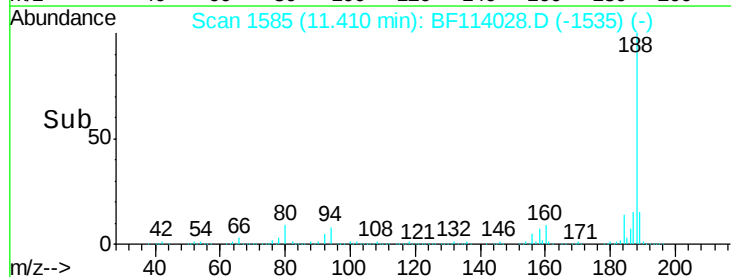
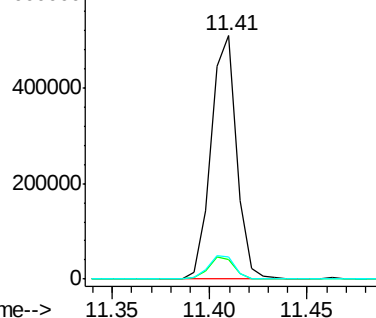
Lab File: BF114028.D

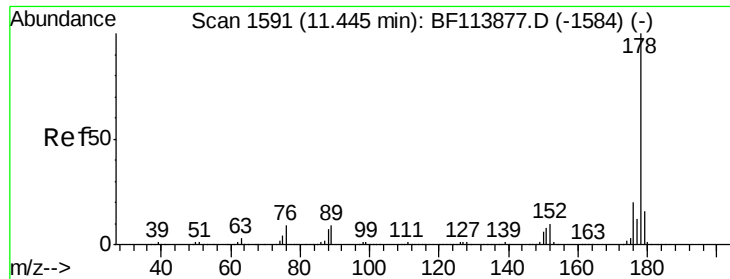
Acq: 29 Apr 2019 17:44

Tgt Ion:	188	Resp:	463006
Ion Ratio	Lower	Upper	
188	100		
94	8.3	8.2	12.4
80	9.2	9.0	13.6



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 9.707 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Instrument :

BNA_F

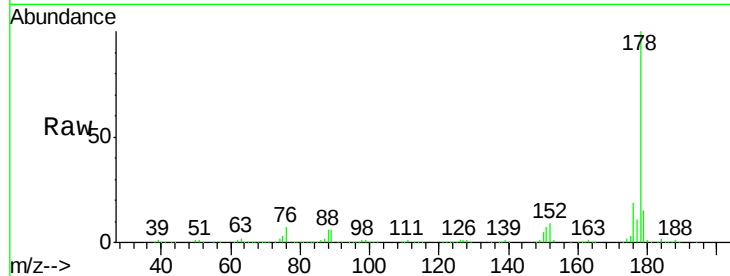
ClientSampleId :

C-2_042419

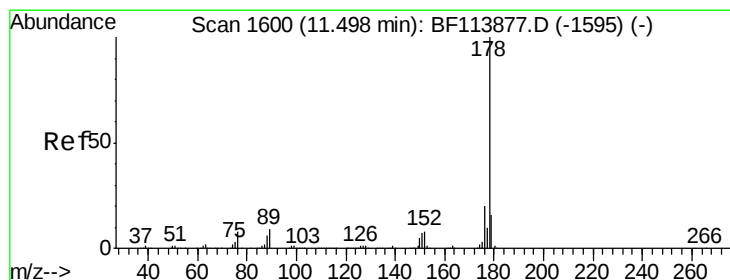
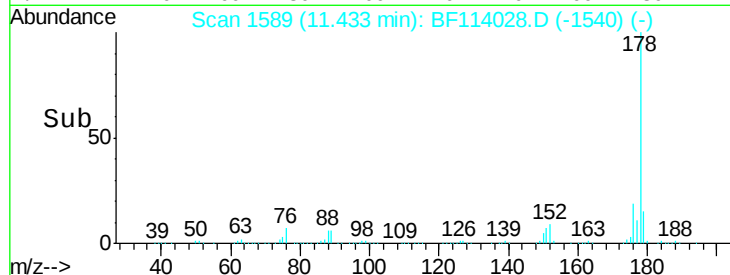
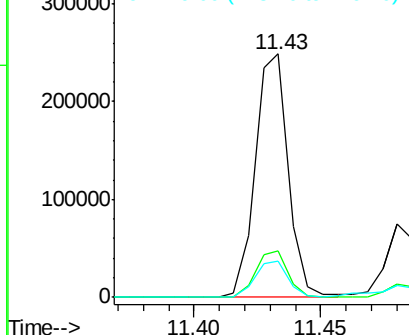
Tgt Ion:	178	Resp:	225860
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.1	24.1
179	14.8	12.8	19.2

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.739 ng

RT: 11.48 min Scan# 1597

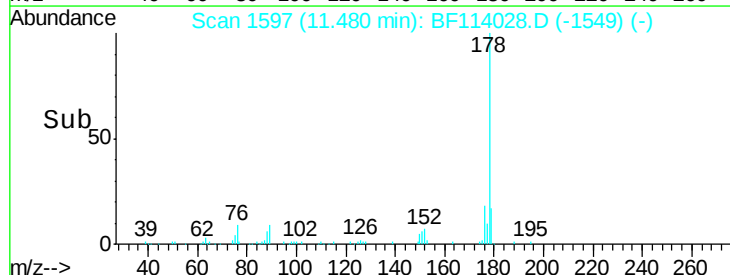
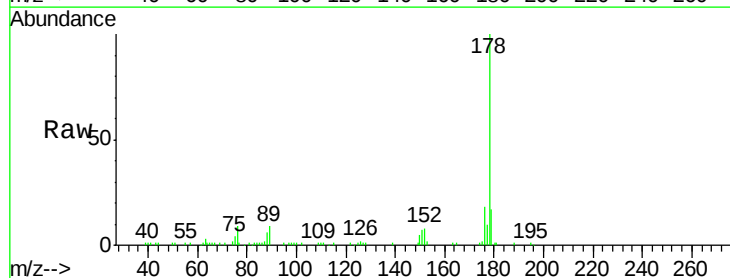
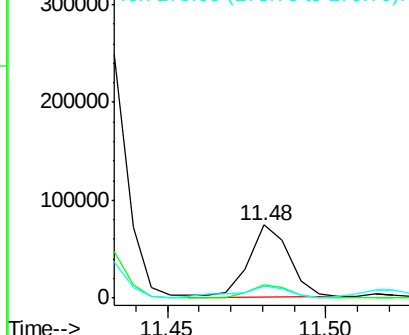
Delta R.T. -0.02 min

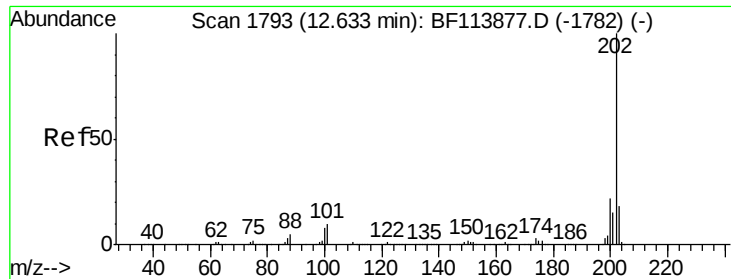
Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Tgt Ion:	178	Resp:	64370
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.7	23.5
179	16.8	13.0	19.4

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 13.486 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Instrument :

BNA_F

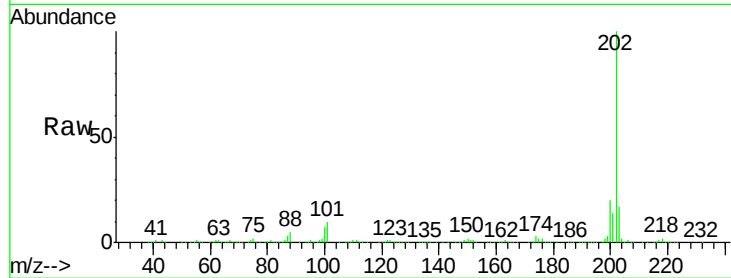
ClientSampleId :

C-2_042419

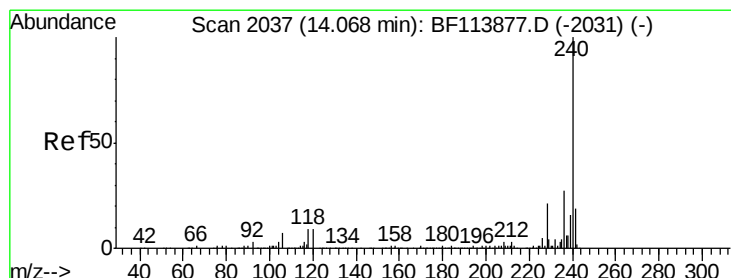
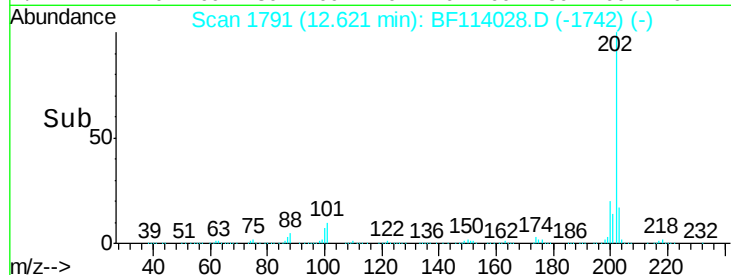
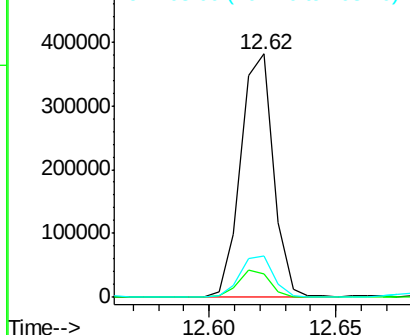
Tgt	Ion:202	Resp:	342357
Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	32.9
203	17.2	0.0	38.2

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

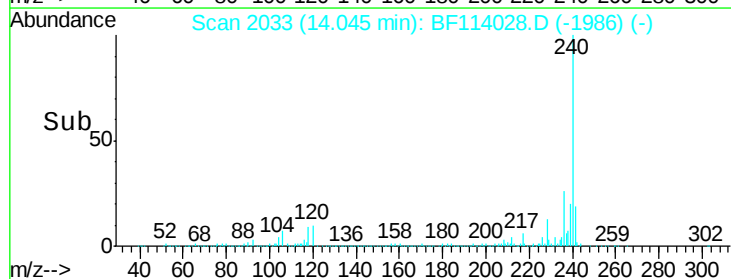
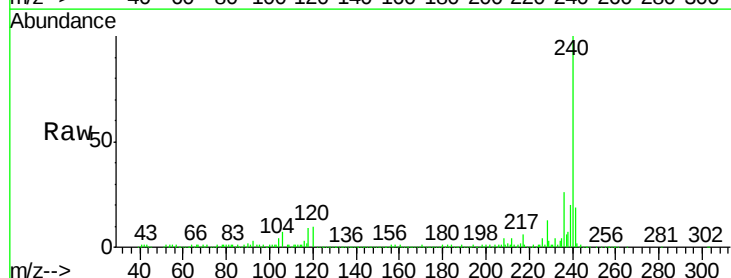
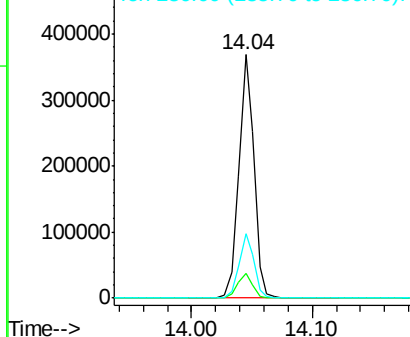
Delta R.T. -0.02 min

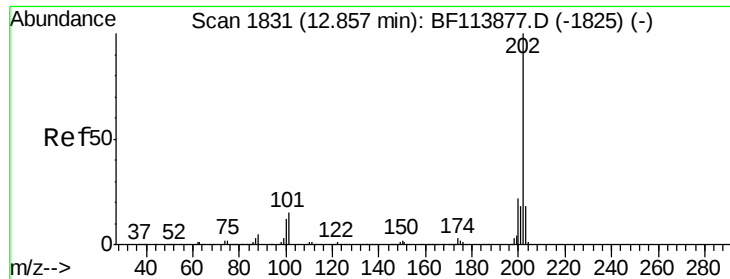
Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Tgt	Ion:240	Resp:	322562
Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.3	13.9
236	26.3	21.2	31.8

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





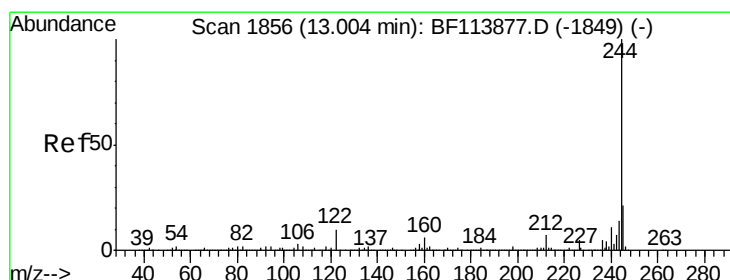
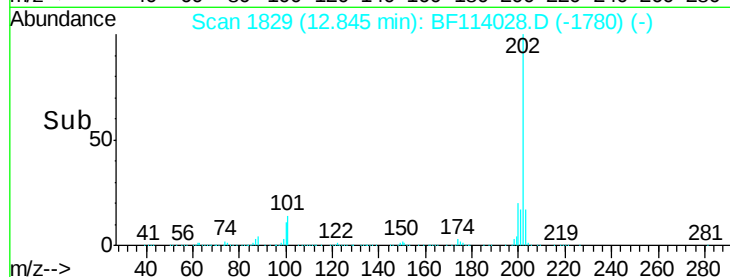
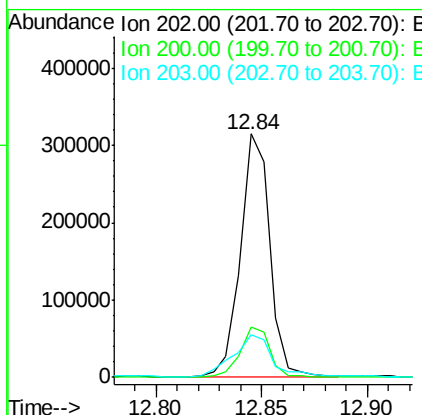
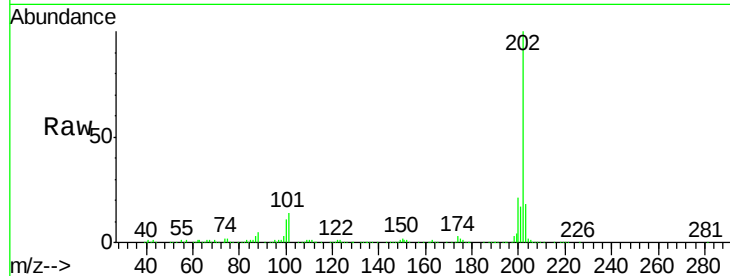
#78
 Pyrene
 Concen: 13.401 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

Instrument :
 BNA_F
 ClientSampleId :
 C-2_042419

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	302295		
200	20.6	17.7	26.5	
203	17.7	15.0	22.6	

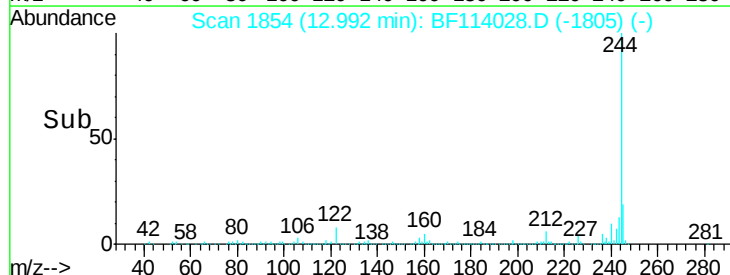
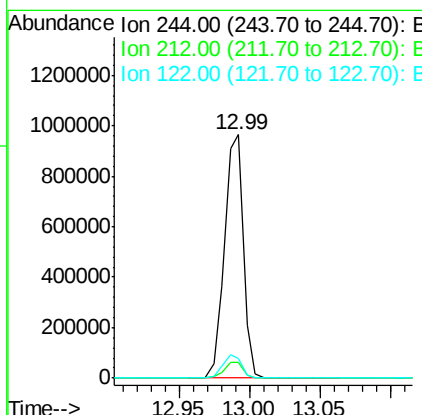
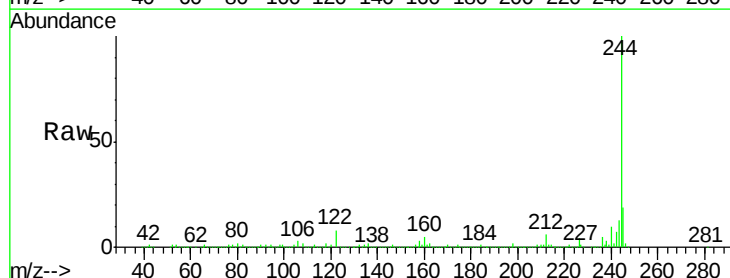
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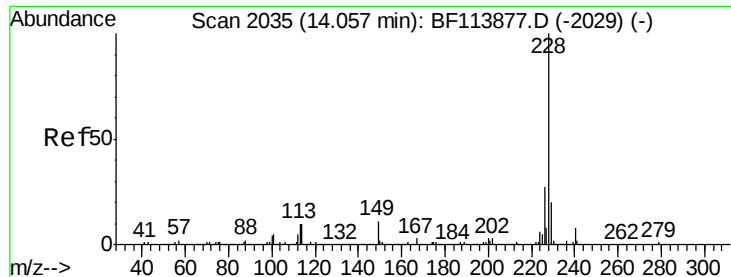
Sohil
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#79
 Terphenyl-d14
 Concen: 56.950 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	896036		
212	6.4	5.4	8.2	
122	8.2	7.6	11.4	





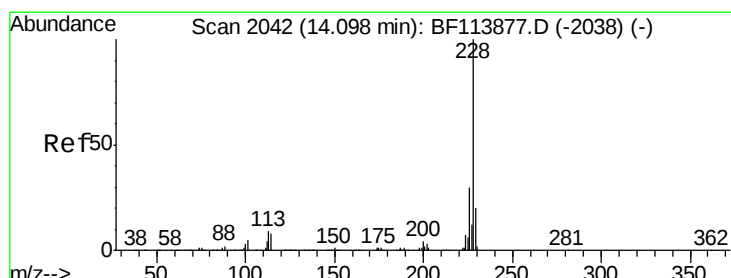
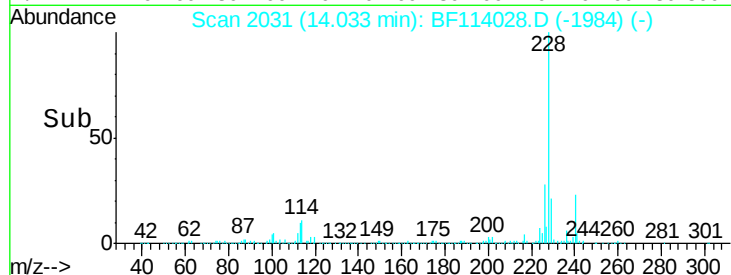
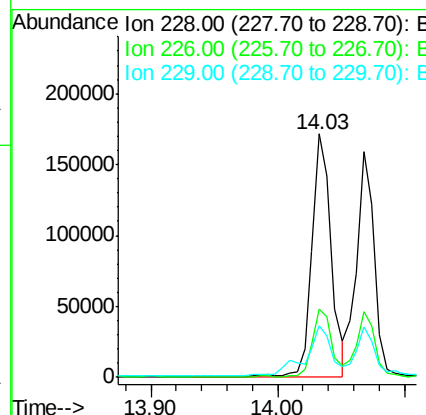
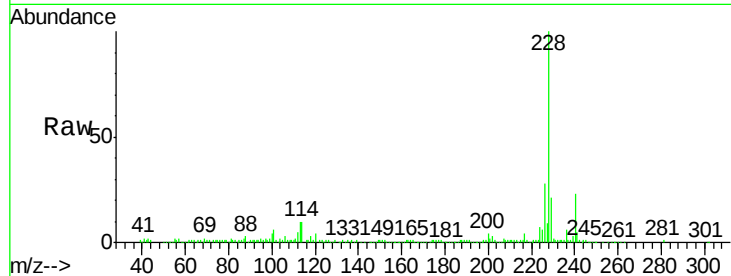
#81
Benzo(a)anthracene
Concen: 9.542 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

Instrument :
BNA_F
ClientSampleId :
C-2_042419

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	181350		
226	28.0	22.2	33.2	
229	21.3	16.0	24.0	

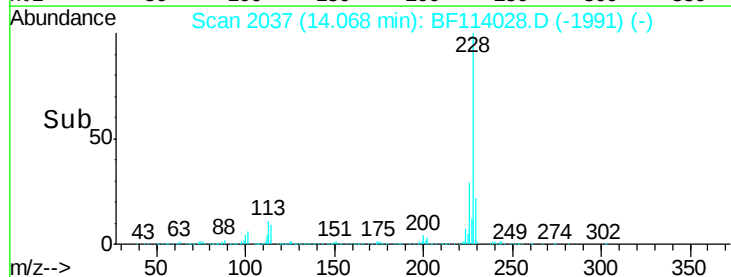
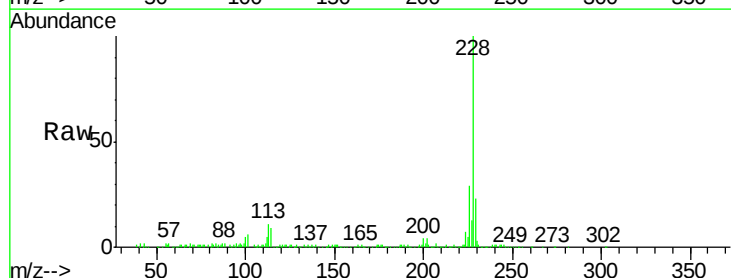
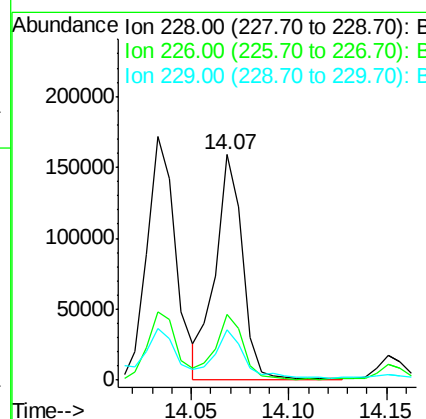
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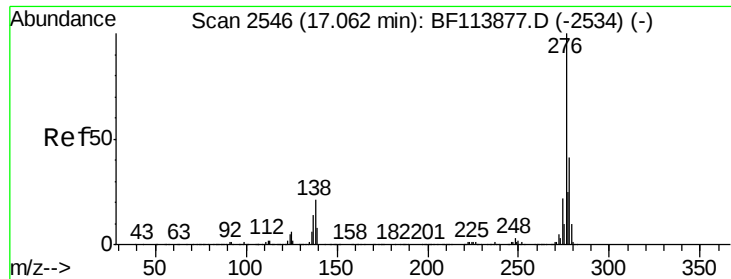
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#83
Chrysene
Concen: 8.204 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.03 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	151843		
226	29.3	25.2	37.8	
229	22.6	16.7	25.1	





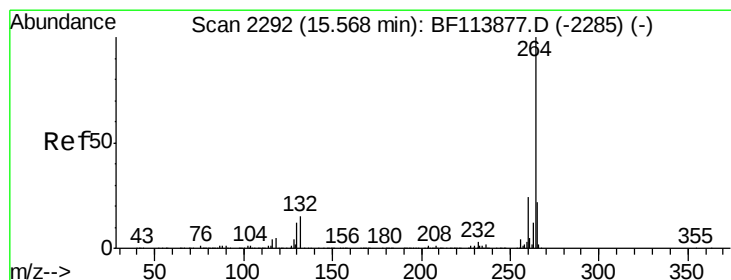
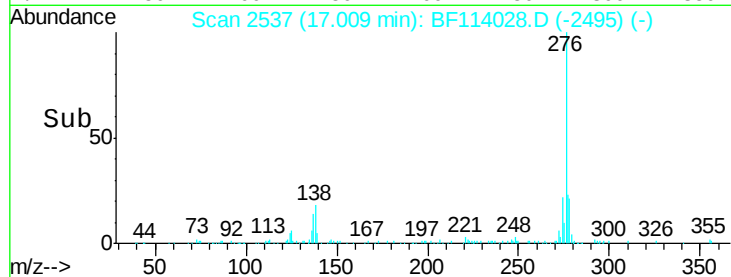
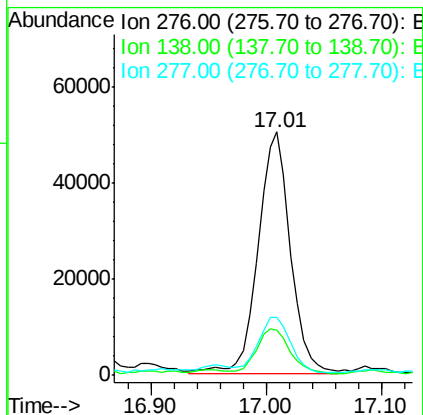
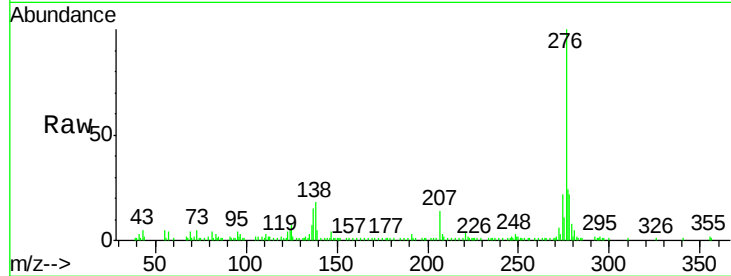
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.576 ng
 RT: 17.01 min Scan# 2537
 Delta R.T. -0.05 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

Instrument :
 BNA_F
 ClientSampleId :
 C-2_042419

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.8	19.6	29.4
277	22.9	20.2	30.4

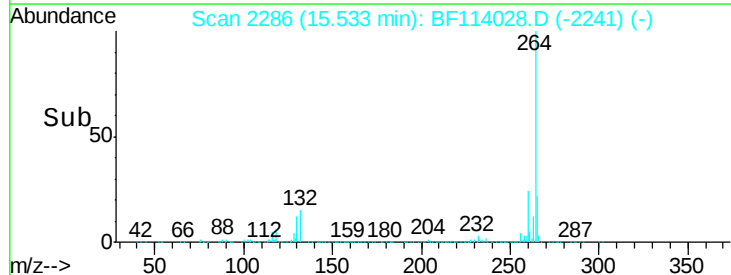
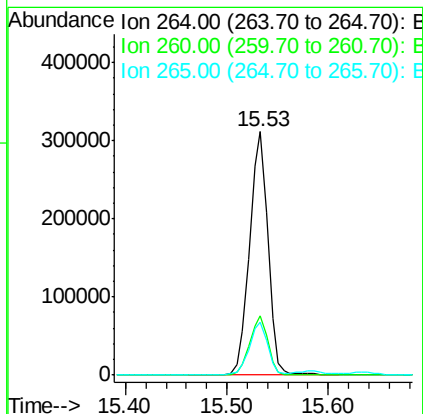
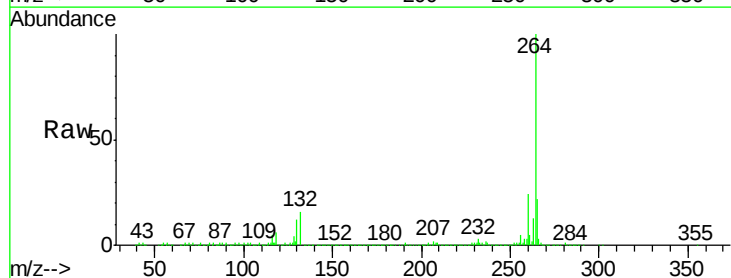
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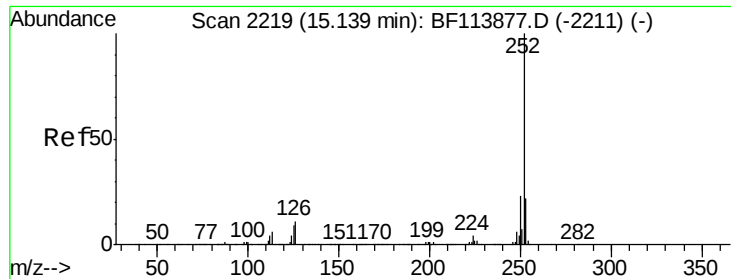
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. -0.04 min
 Lab File: BF114028.D
 Acq: 29 Apr 2019 17:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.9	28.3
265	21.9	17.3	25.9





#88

Benzo(b)fluoranthene

Concen: 8.269 ng m

RT: 15.10 min Scan# 2212

Delta R.T. -0.04 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Instrument :

BNA_F

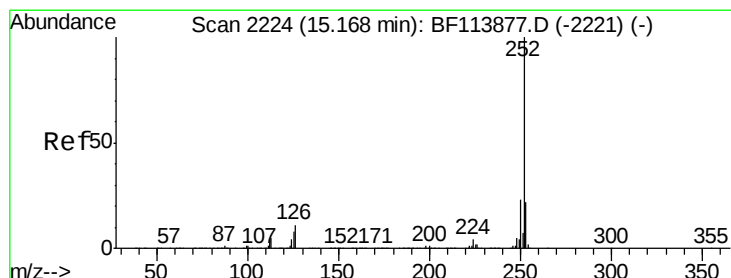
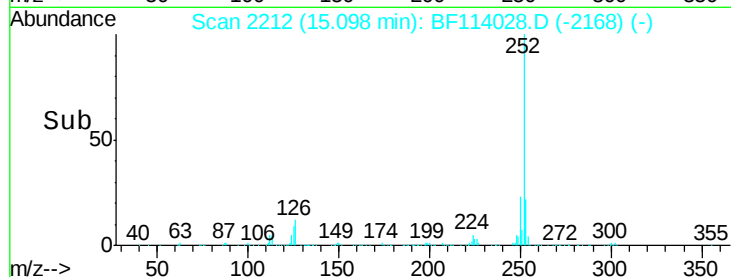
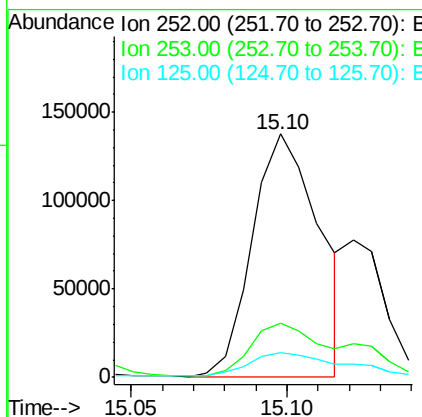
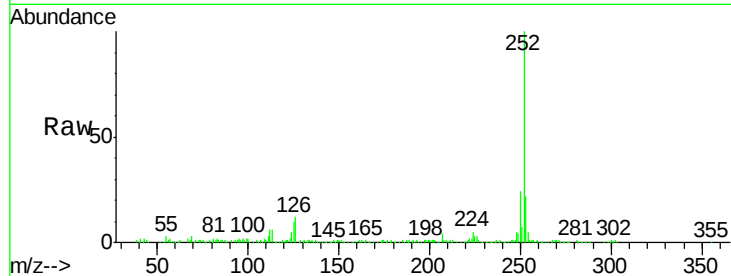
ClientSampleId :

C-2_042419

Tgt Ion:	252	Resp:	205972
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.6
125	9.9	7.0	10.6

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#89

Benzo(k)fluoranthene

Concen: 3.224 ng m

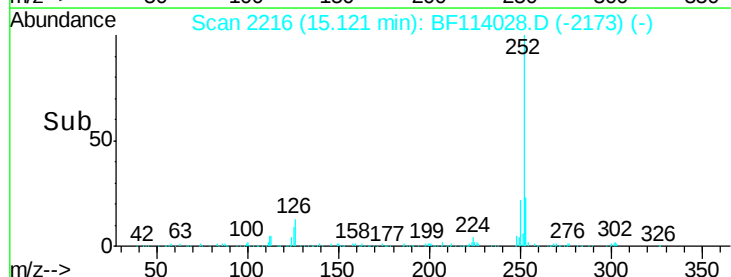
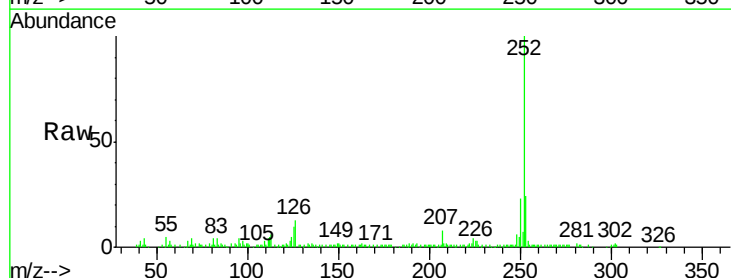
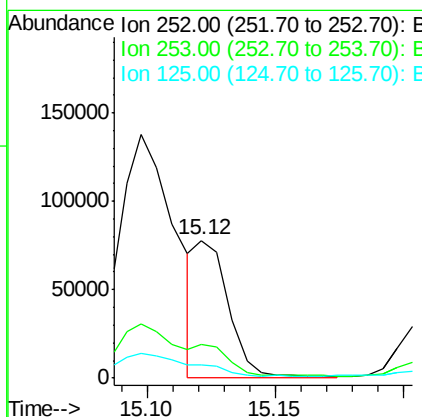
RT: 15.12 min Scan# 2216

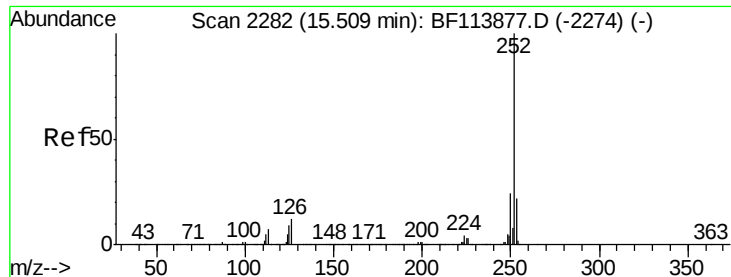
Delta R.T. -0.05 min

Lab File: BF114028.D

Acq: 29 Apr 2019 17:44

Tgt Ion:	252	Resp:	69079
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.2	27.2
125	10.0	7.4	11.2





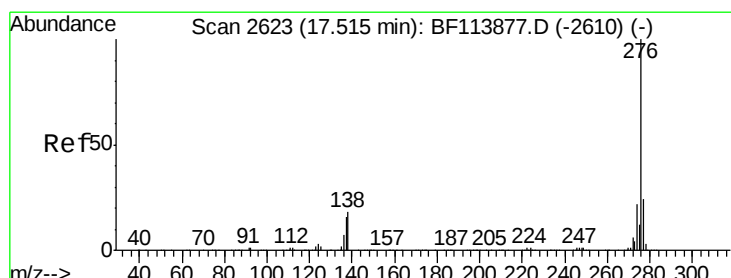
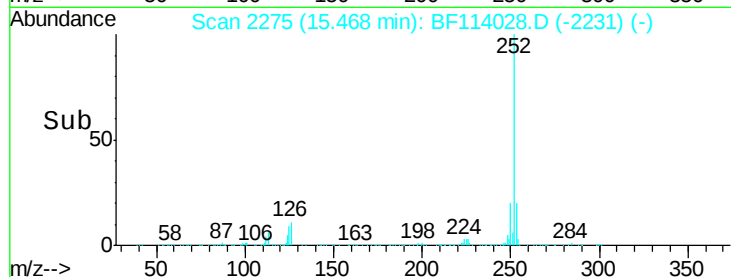
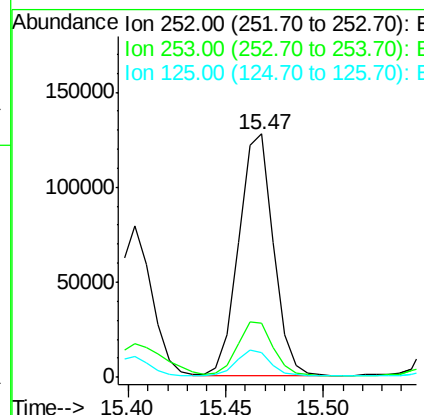
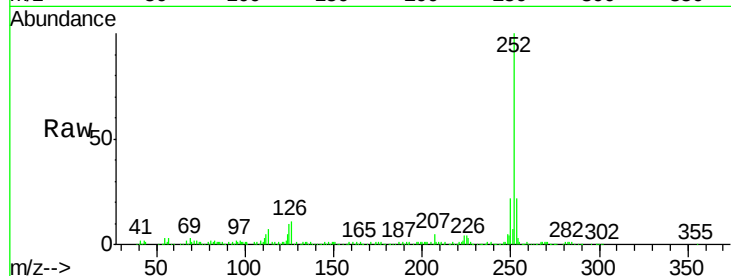
#90
Benzo(a)pyrene
Concen: 7.332 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.04 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

Instrument :
BNA_F
ClientSampleId :
C-2_042419

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	157981		
253	22.2	17.5	26.3	
125	10.0	8.5	12.7	

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.367 ng
RT: 17.45 min Scan# 2612
Delta R.T. -0.06 min
Lab File: BF114028.D
Acq: 29 Apr 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	89129		
277	25.8	19.0	28.4	
138	22.8	16.6	25.0	

