

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
 Data File : BF113781.D
 Acq On : 15 Apr 2019 23:54
 Operator : JU/SJ
 Sample : K2199-09 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041219-A

Manual Integrations
 APPROVED

Sohil
 4/16/2019 5:03:12 PM

Quant Time: Apr 16 03:49:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	116185	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	431397	20.00	ng	-0.02
39) Acenaphthene-d10	9.70	164	187422	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	335243	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	299021	20.00	ng	-0.02
87) Perylene-d12	15.24	264	234947	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	307550	45.14	ng	0.00
7) Phenol-d6	6.33	99	410333	48.86	ng	0.00
23) Nitrobenzene-d5	7.24	82	224996	30.55	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	89002	39.53	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	448345	38.51	ng	-0.02
79) Terphenyl-d14	12.77	244	438189	29.84	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	9.57	152	98865	5.192	ng	99
50) Dimethylphthalate	9.43	163	47256	3.421	ng	100
52) Acenaphthene	9.73	154	25262	2.318	ng	99
58) Fluorene	10.25	166	58592	4.633	ng	99
71) Phenanthrene	11.21	178	443887	26.646	ng	98
72) Anthracene	11.26	178	148661	8.771	ng	98
75) Fluoranthene	12.40	202	690034	38.656	ng	98
78) Pyrene	12.63	202	728590	32.023	ng	99
81) Benzo(a)anthracene	13.82	228	399023	23.133	ng	97
83) Chrysene	13.85	228	352121	20.138	ng	98
86) Indeno(1,2,3-cd)pyrene	16.62	276	126852	7.857	ng	96
88) Benzo(b)fluoranthene	14.84	252	388973m	27.046	ng	
89) Benzo(k)fluoranthene	14.87	252	99360m	7.698	ng	
90) Benzo(a)pyrene	15.19	252	256117	20.041	ng	98
91) Dibenzo(a,h)anthracene	16.61	278	33817	2.830	ng	# 73
92) Benzo(g,h,i)perylene	17.03	276	125505	10.289	ng	94

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

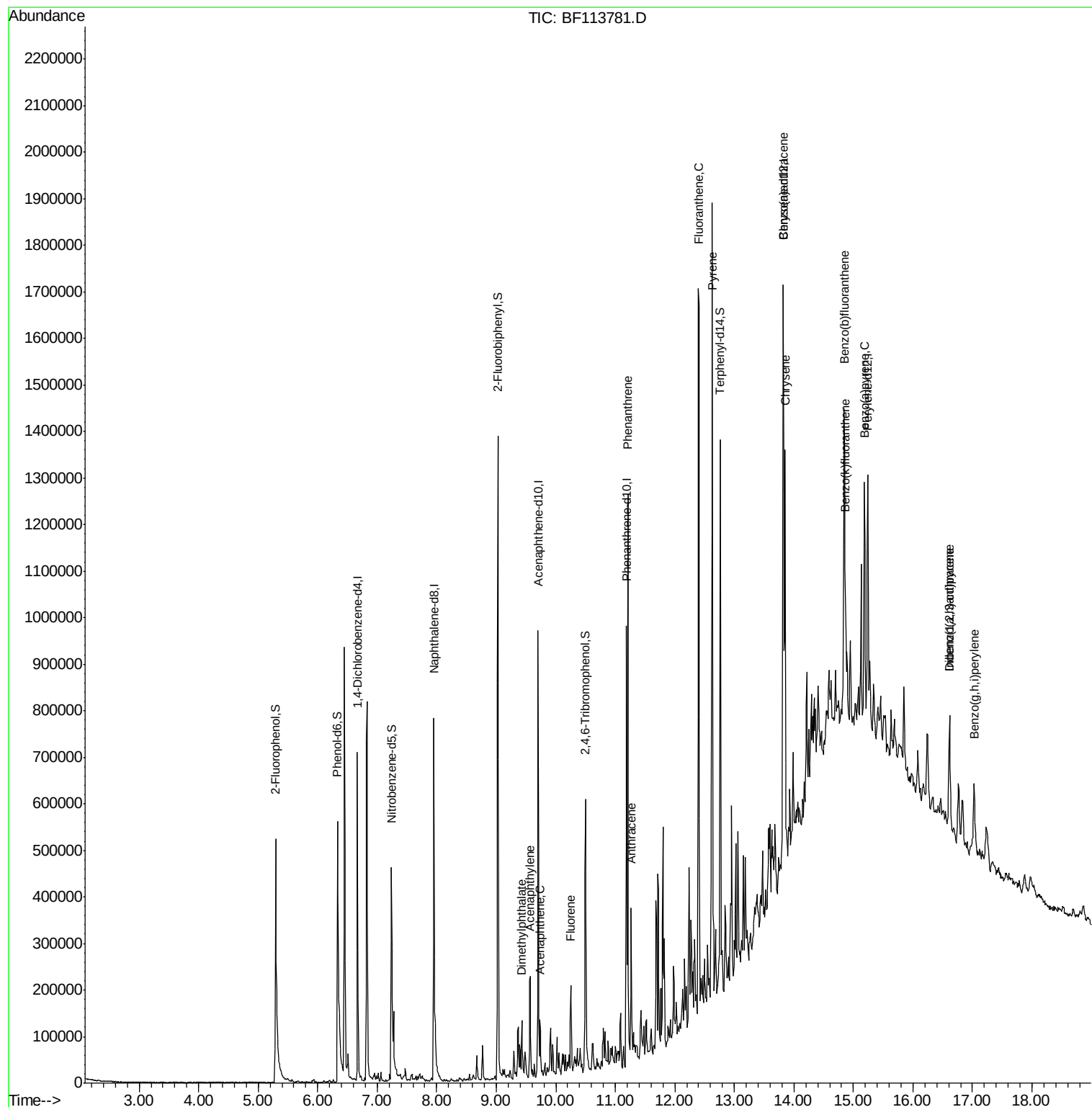
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
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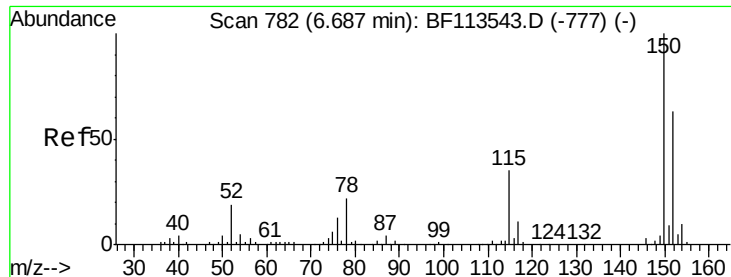
Instrument :
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#1

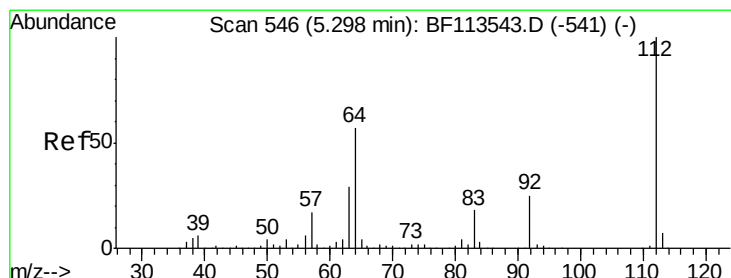
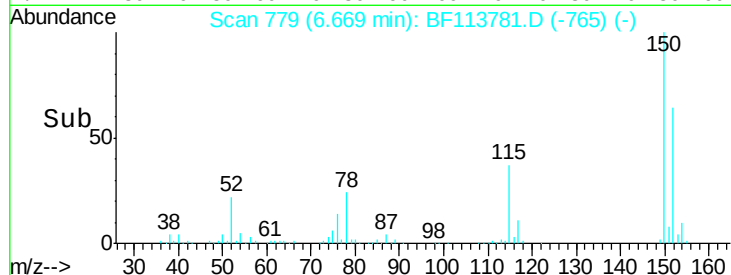
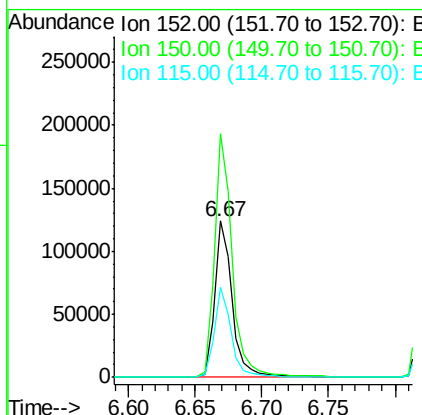
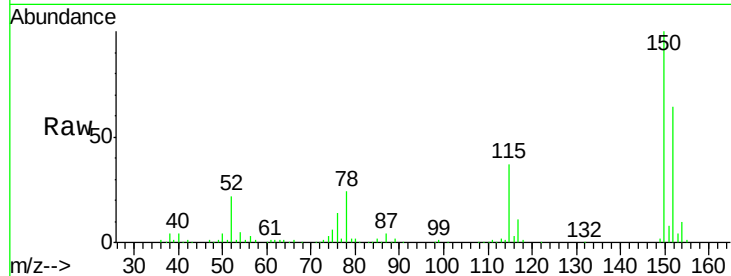
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF113781.D
Acq: 15 Apr 2019 23:54

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.7	187.1
115	57.5	46.0	69.0

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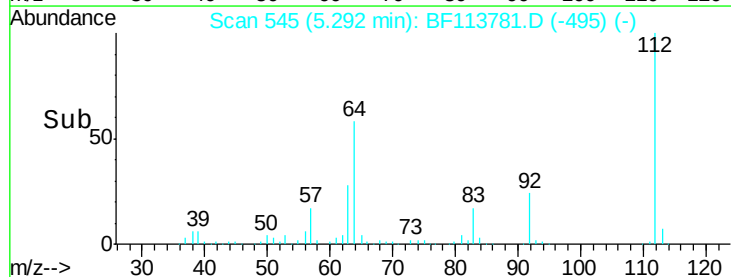
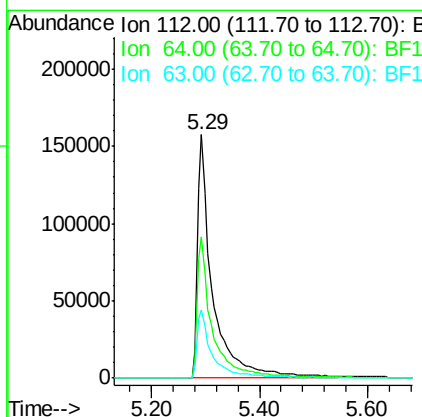
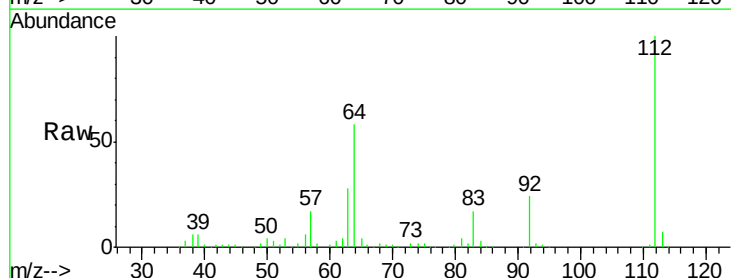
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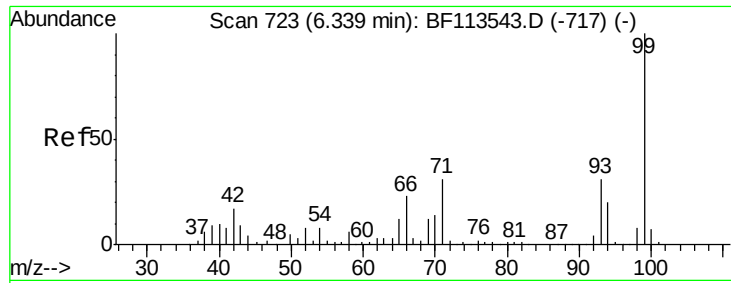


#5

2-Fluorophenol
Concen: 45.139 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113781.D
Acq: 15 Apr 2019 23:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	49.2	73.8
63	28.2	24.9	37.3





#7

Phenol-d6

Concen: 48.863 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113781.D

Acq: 15 Apr 2019 23:54

Instrument :

BNA_F

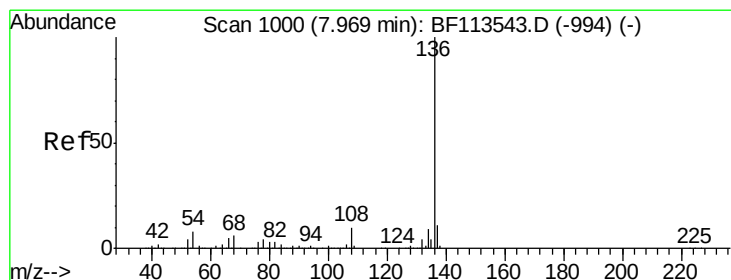
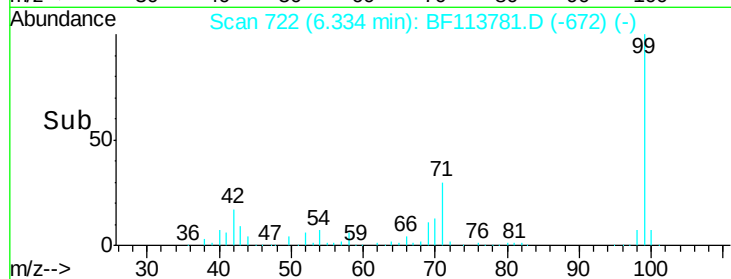
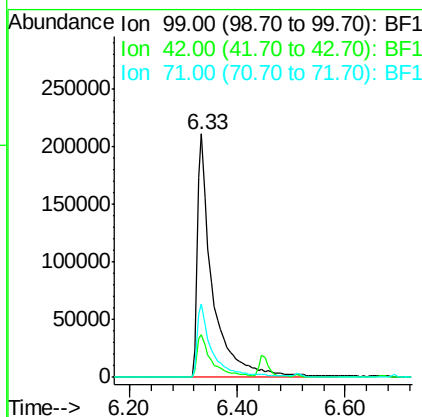
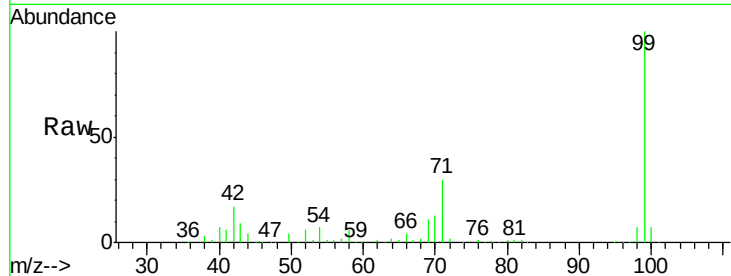
ClientSampleId :

OR-02-041219-A

Tgt Ion:	99	Resp:	410333
Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.8	22.2
71	30.3	24.9	37.3

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

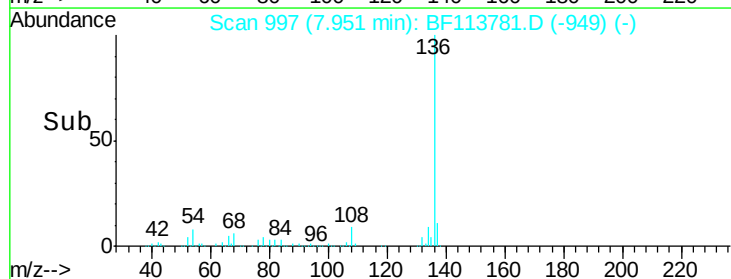
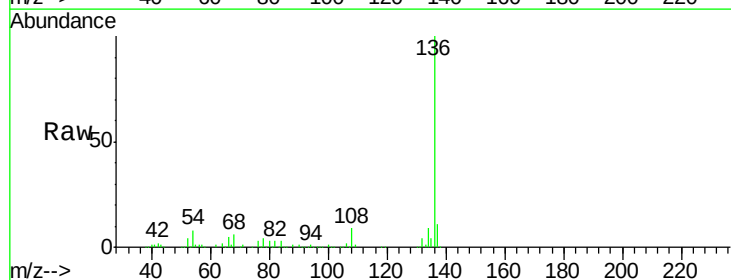
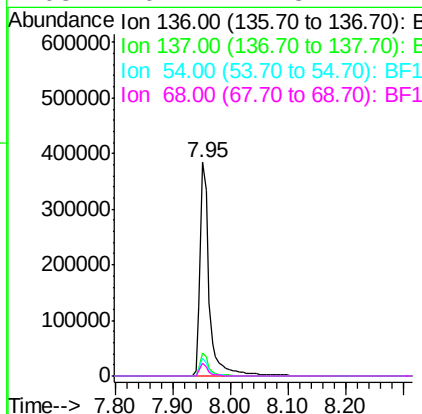
RT: 7.95 min Scan# 997

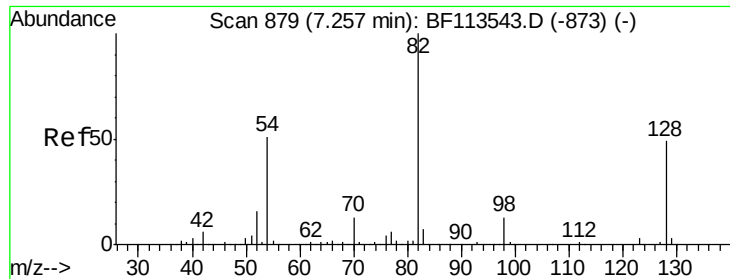
Delta R.T. -0.02 min

Lab File: BF113781.D

Acq: 15 Apr 2019 23:54

Tgt Ion:	136	Resp:	431397
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.5	7.0	10.6
68	6.2	4.8	7.2





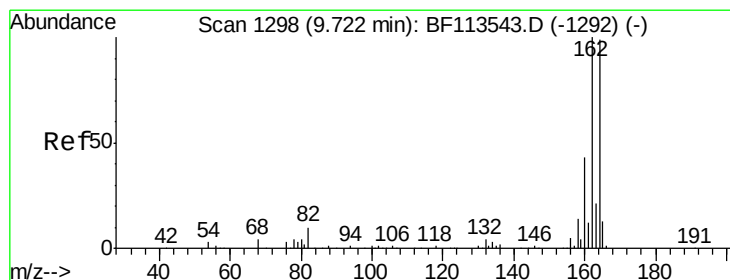
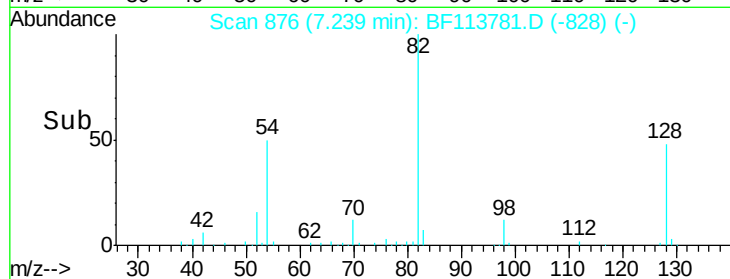
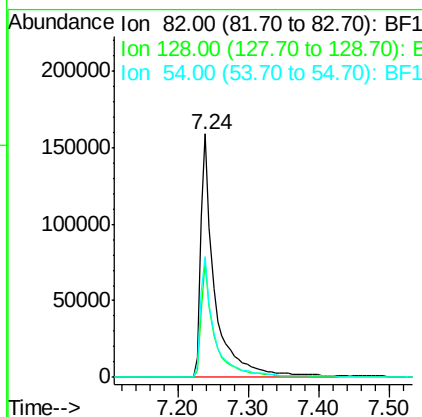
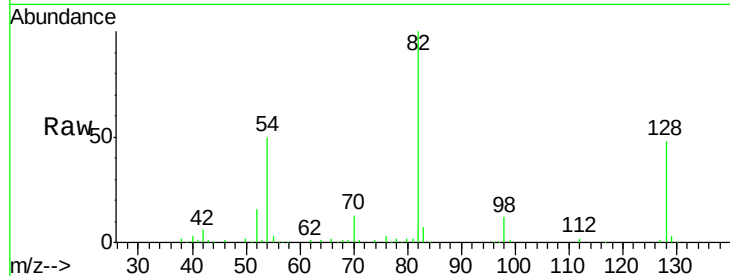
#23
Nitrobenzene-d5
Concen: 30.550 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF113781.D
Acq: 15 Apr 2019 23:54

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	224996		
128	47.7	36.5	54.7	
54	49.5	42.2	63.2	

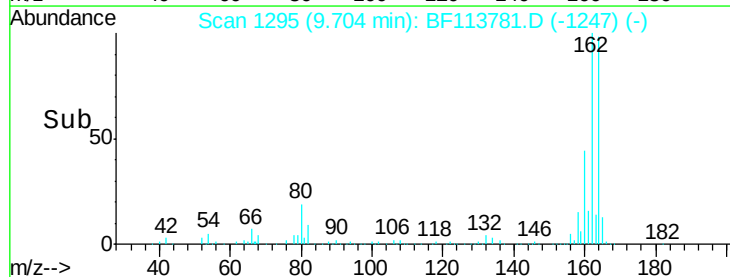
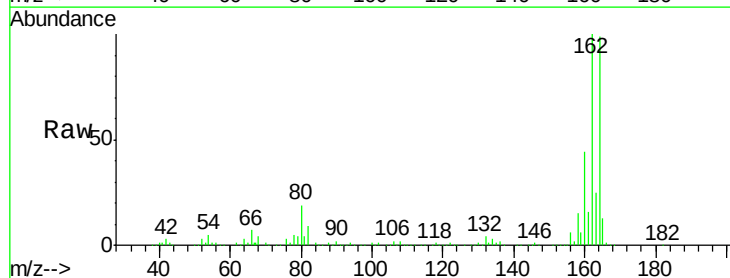
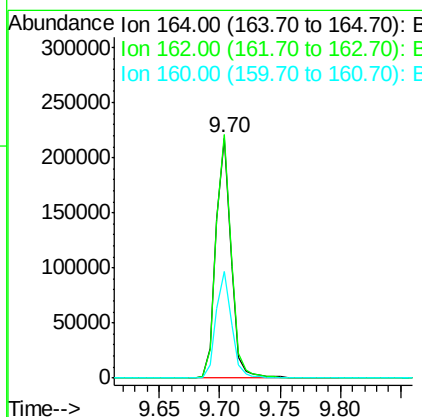
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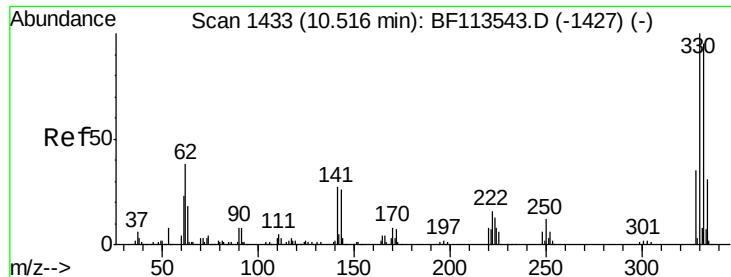
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF113781.D
Acq: 15 Apr 2019 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	187422		
162	101.4	81.8	122.6	
160	44.5	36.4	54.6	





#42

2,4,6-Tribromophenol

Concen: 39.532 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF113781.D

Acq: 15 Apr 2019 23:54

Instrument :

BNA_F

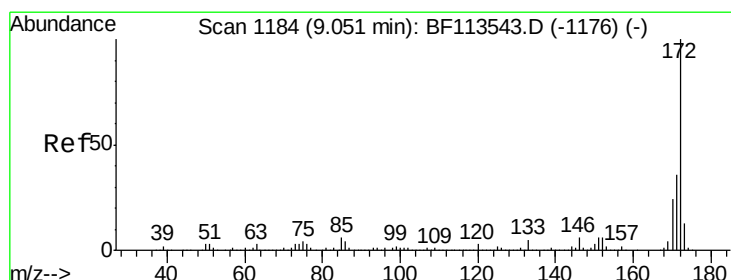
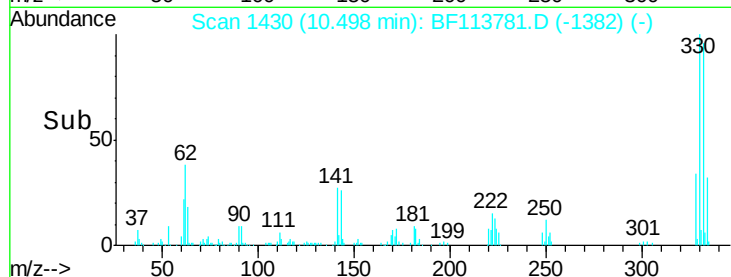
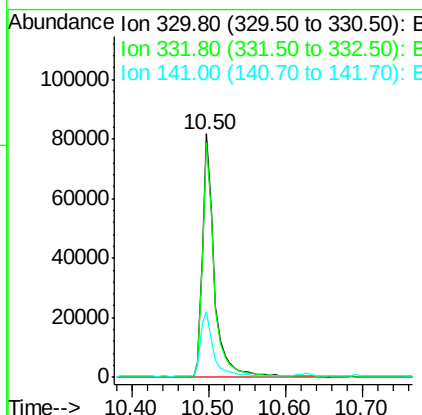
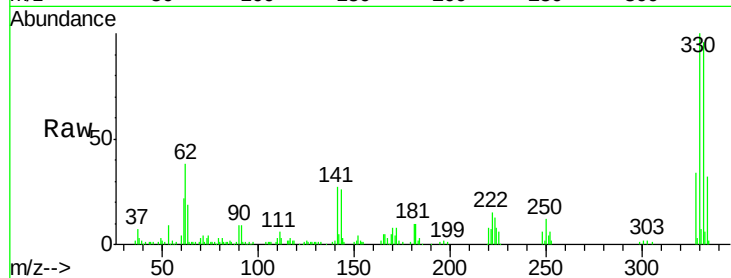
ClientSampleId :

OR-02-041219-A

Tgt Ion:	330	Resp:	89002
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.8	116.6
141	29.1	22.7	34.1

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#45

2-Fluorobiphenyl

Concen: 38.511 ng

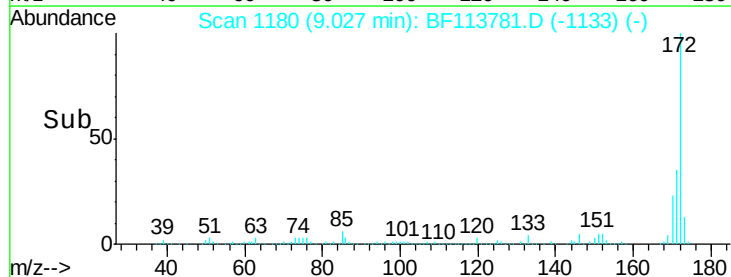
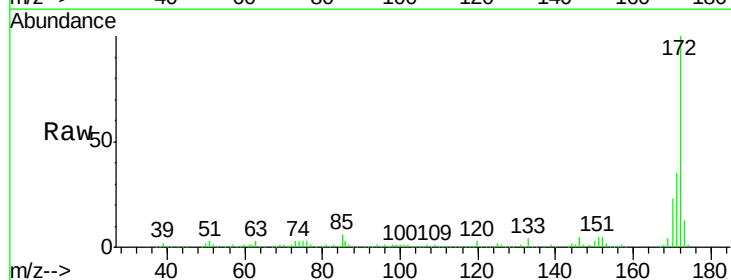
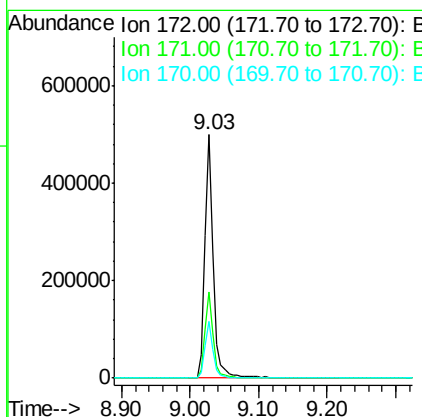
RT: 9.03 min Scan# 1180

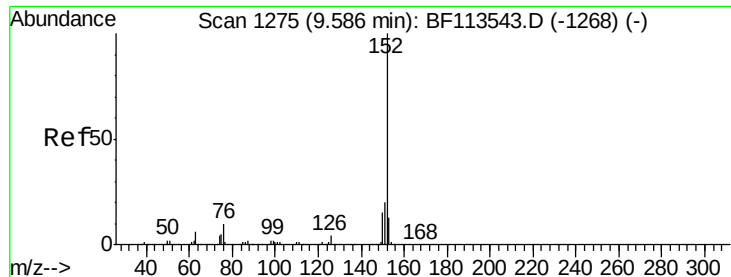
Delta R.T. -0.02 min

Lab File: BF113781.D

Acq: 15 Apr 2019 23:54

Tgt Ion:	172	Resp:	448345
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.0	43.6
170	23.5	19.5	29.3





#49

Acenaphthylene

Concen: 5.192 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF113781.D

Acq: 15 Apr 2019 23:54

Instrument :

BNA_F

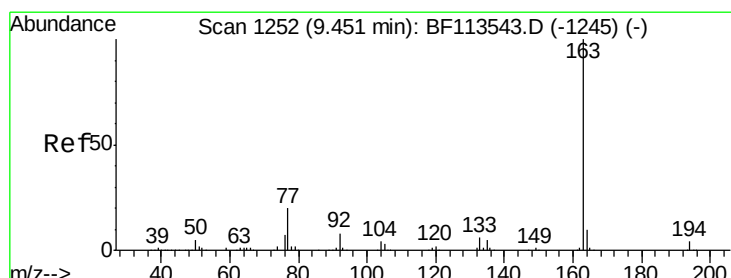
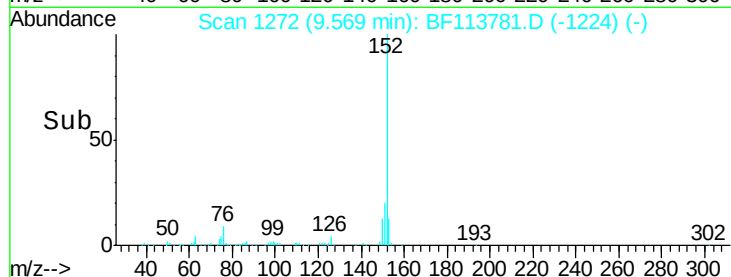
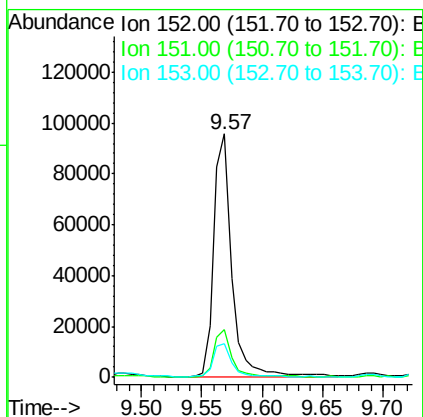
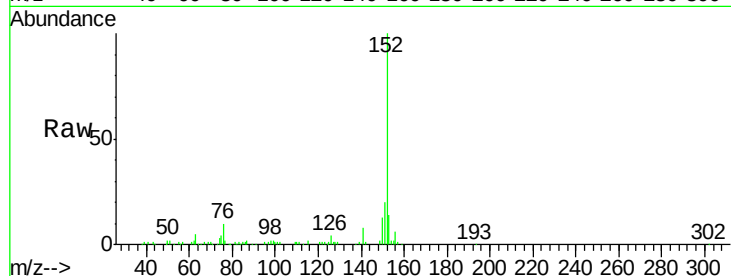
ClientSampleId :

OR-02-041219-A

Tgt Ion:	152	Resp:	98865
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.2	24.4
153	13.7	11.0	16.6

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#50

Dimethylphthalate

Concen: 3.421 ng

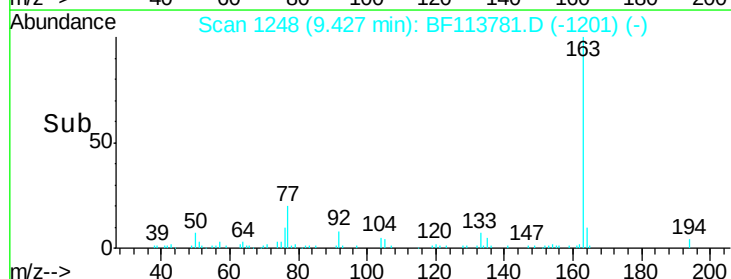
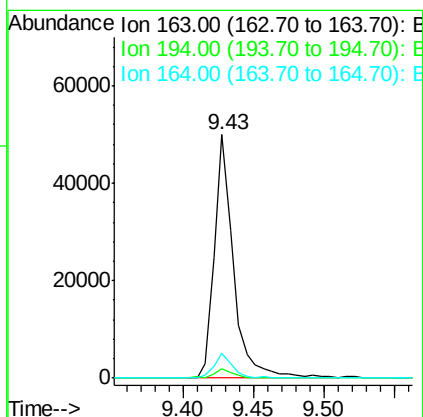
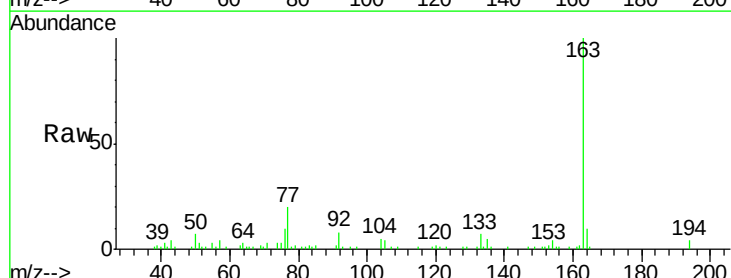
RT: 9.43 min Scan# 1248

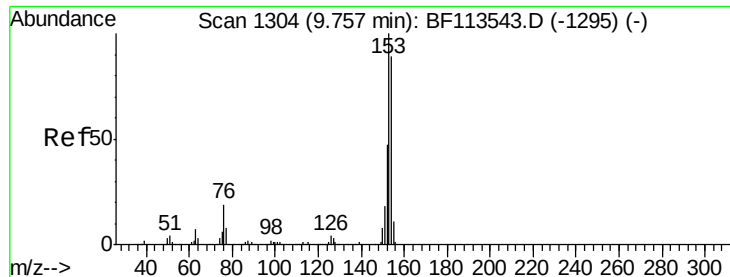
Delta R.T. -0.02 min

Lab File: BF113781.D

Acq: 15 Apr 2019 23:54

Tgt Ion:	163	Resp:	47256
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.0	8.1	12.1





#52

Acenaphthene

Concen: 2.318 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF113781.D

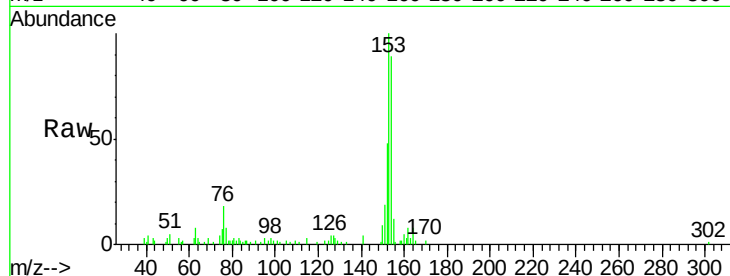
Acq: 15 Apr 2019 23:54

Instrument :

BNA_F

ClientSampleId :

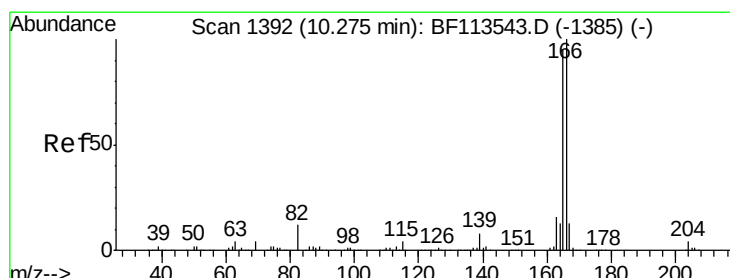
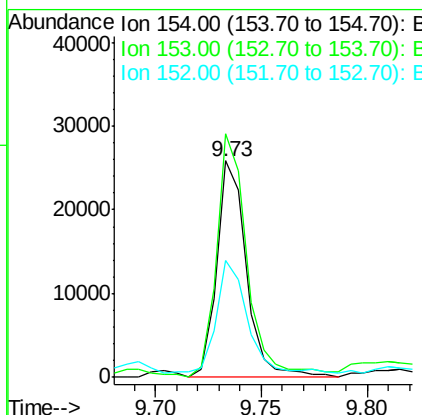
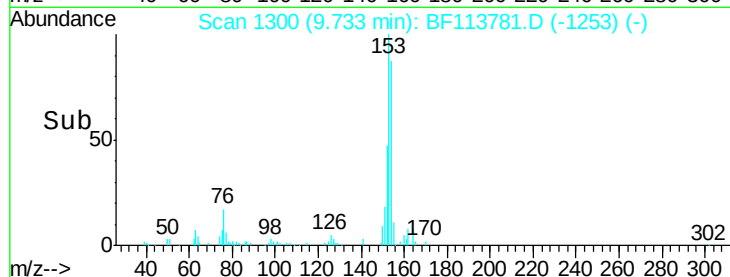
OR-02-041219-A



Tgt Ion:	154	Resp:	25262
Ion Ratio	Lower	Upper	
154	100		
153	112.5	89.5	134.3
152	53.8	43.3	64.9

Manual Integrations
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#58

Fluorene

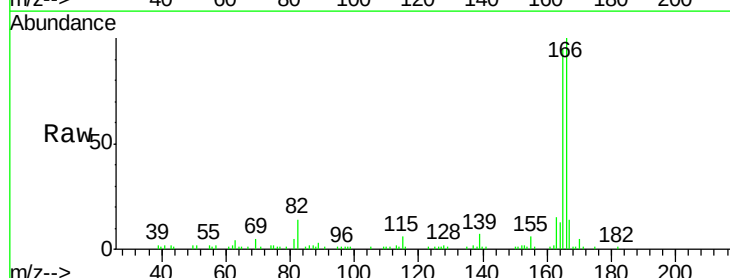
Concen: 4.633 ng

RT: 10.25 min Scan# 1388

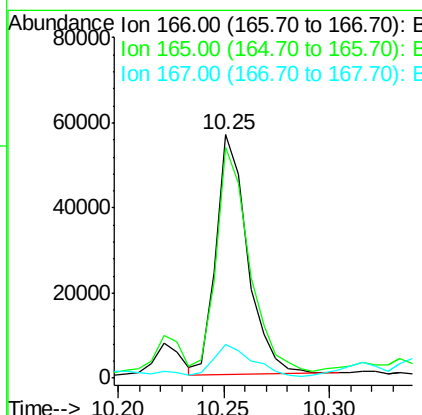
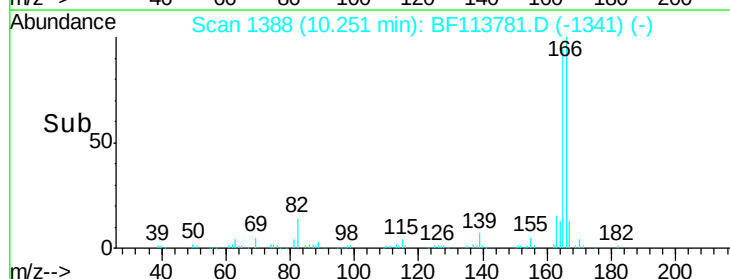
Delta R.T. -0.02 min

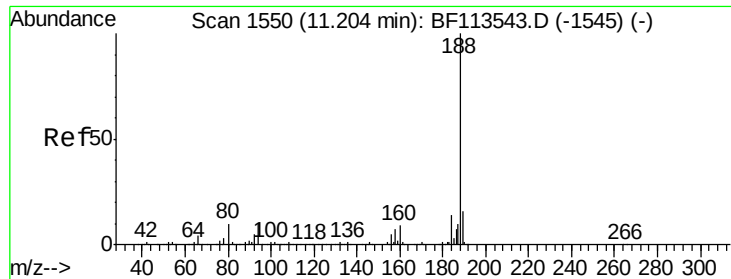
Lab File: BF113781.D

Acq: 15 Apr 2019 23:54



Tgt Ion:	166	Resp:	58592
Ion Ratio	Lower	Upper	
166	100		
165	94.5	76.2	114.2
167	14.0	10.7	16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF113781.D

Acq: 15 Apr 2019 23:54

Instrument :

BNA_F

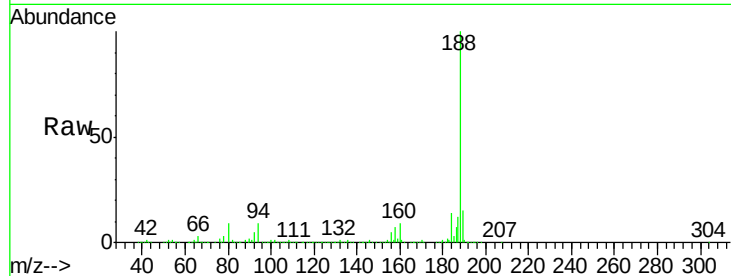
ClientSampleId :

OR-02-041219-A

Tgt Ion:	188	Resp:	335243
Ion Ratio	Lower	Upper	
188	100		
94	9.1	7.0	10.6
80	9.0	7.7	11.5

Manual Integrations
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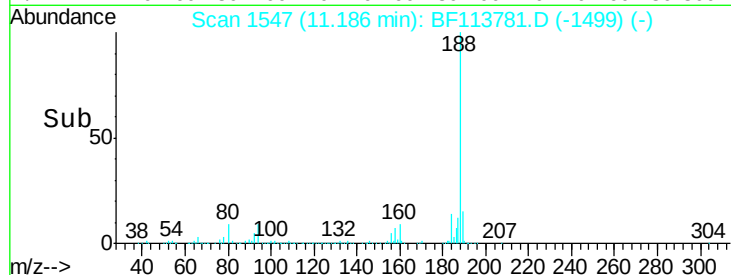


Abundance Ion 188.00 (187.70 to 188.70): E

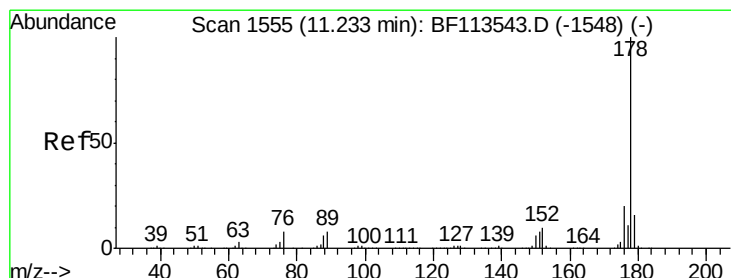
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#71

Phenanthrene

Concen: 26.646 ng

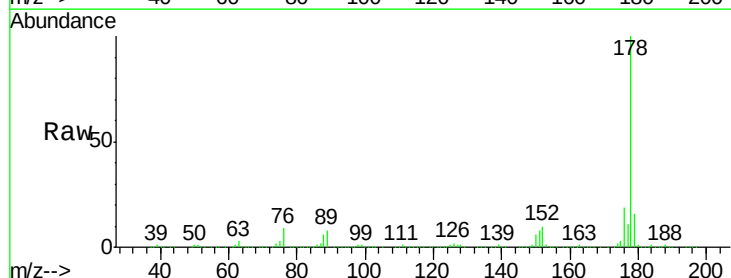
RT: 11.21 min Scan# 1551

Delta R.T. -0.02 min

Lab File: BF113781.D

Acq: 15 Apr 2019 23:54

Tgt Ion:	178	Resp:	443887
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.2	24.2
179	15.8	12.7	19.1

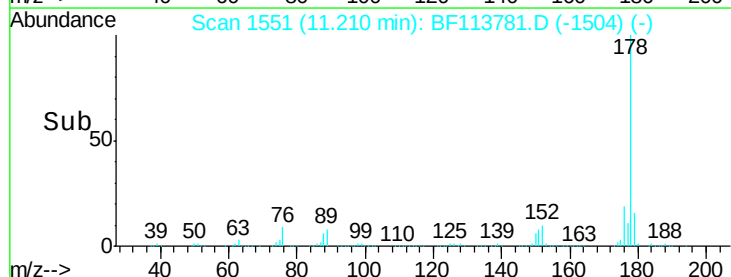


Abundance Ion 178.00 (177.70 to 178.70): E

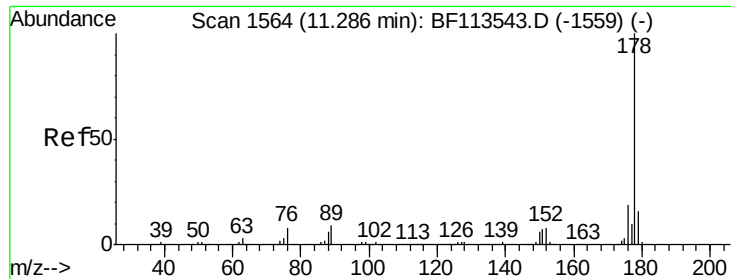
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



#72

Anthracene

Concen: 8.771 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.02 min

Lab File: BF113781.D

Acq: 15 Apr 2019 23:54

Instrument :

BNA_F

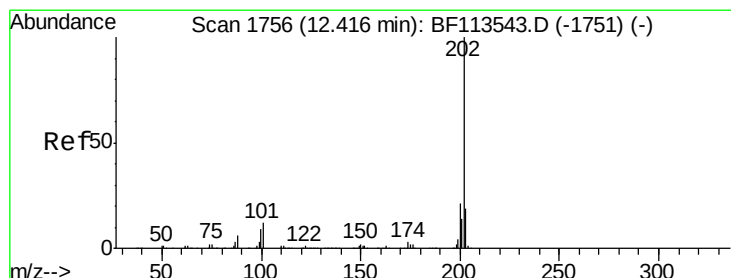
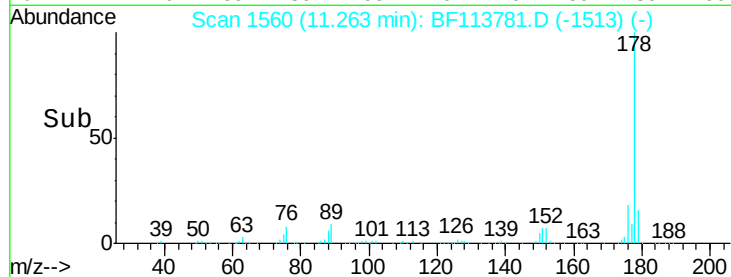
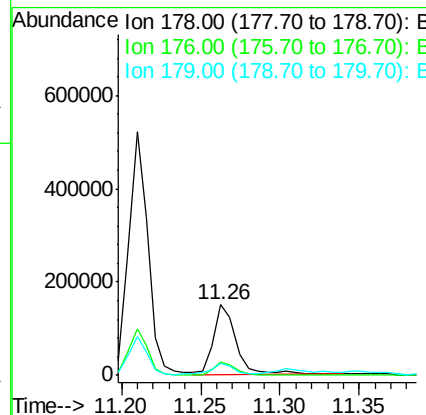
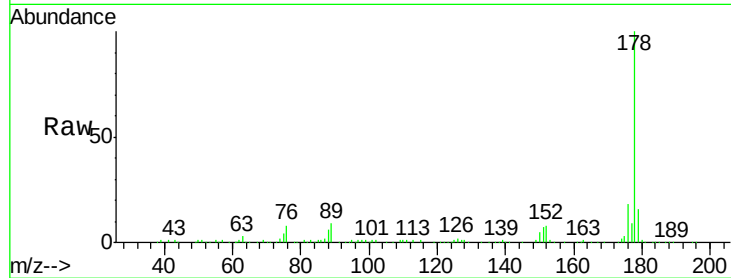
ClientSampleId :

OR-02-041219-A

Tgt Ion:	178	Resp:	148661
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.2
179	16.2	12.8	19.2

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#75

Fluoranthene

Concen: 38.656 ng

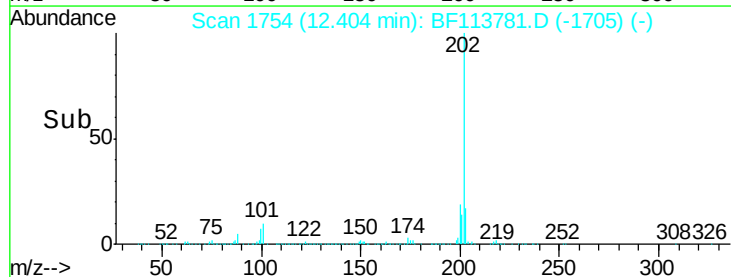
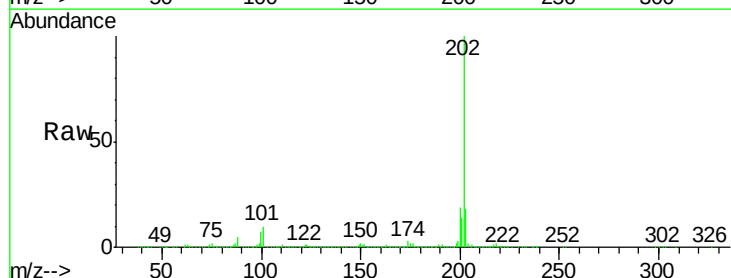
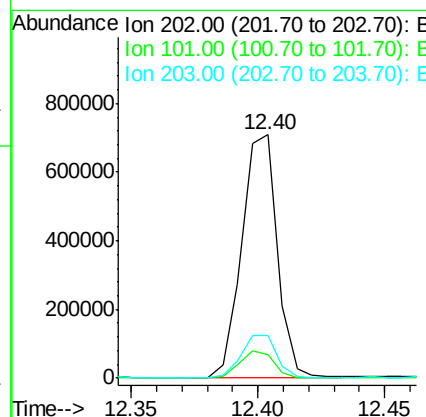
RT: 12.40 min Scan# 1754

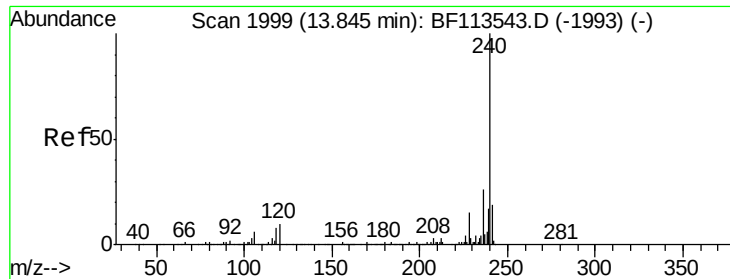
Delta R.T. -0.01 min

Lab File: BF113781.D

Acq: 15 Apr 2019 23:54

Tgt Ion:	202	Resp:	690034
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	31.4
203	17.6	0.0	38.0





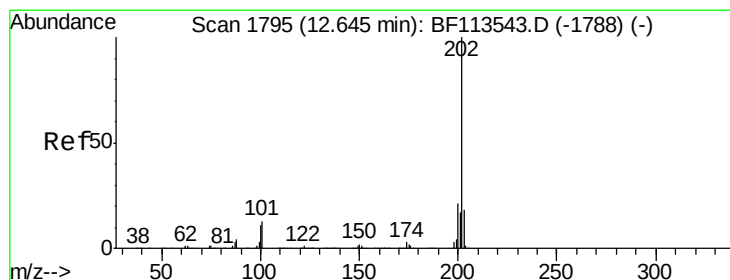
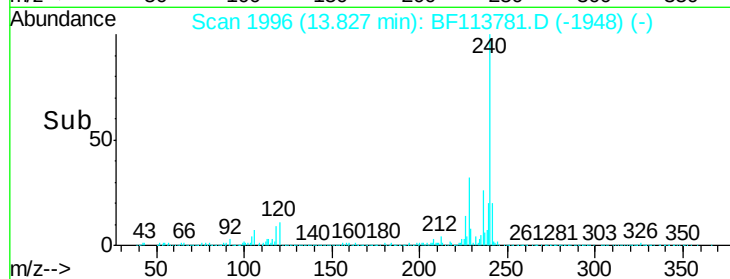
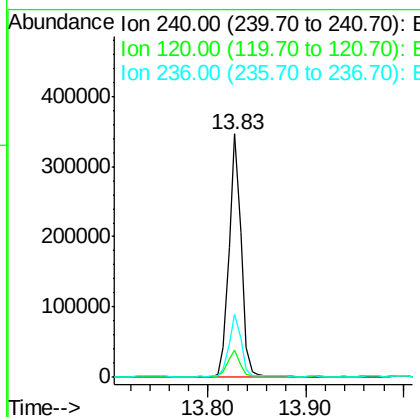
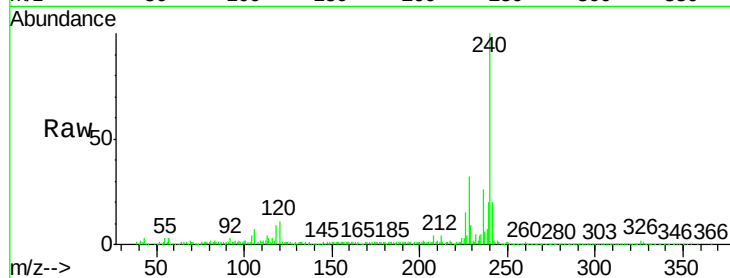
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF113781.D
Acq: 15 Apr 2019 23:54

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	299021		
120	11.2	8.8	13.2	
236	26.0	20.9	31.3	

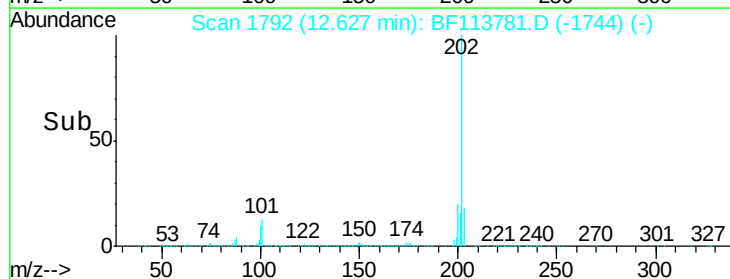
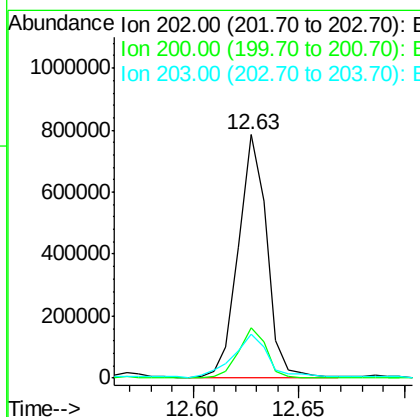
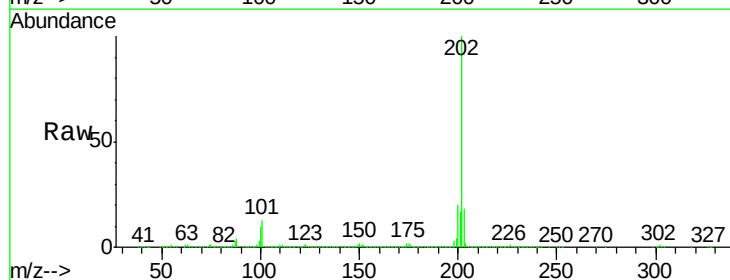
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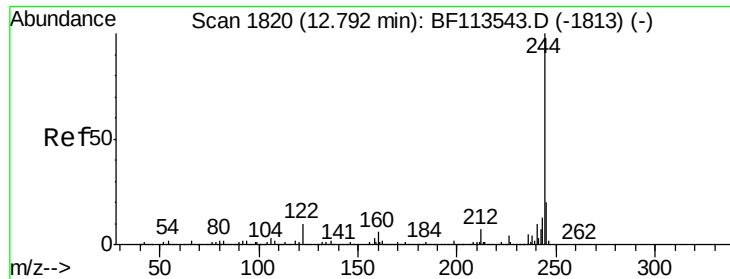
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#78
Pyrene
Concen: 32.023 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BF113781.D
Acq: 15 Apr 2019 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	728590		
200	20.5	16.8	25.2	
203	18.0	14.4	21.6	





#79

Terphenyl-d14

Concen: 29.836 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113781.D

Acq: 15 Apr 2019 23:54

Instrument :

BNA_F

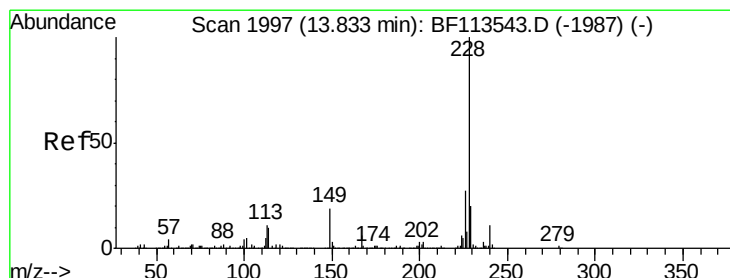
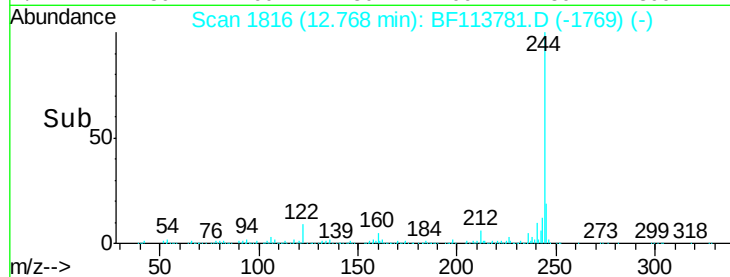
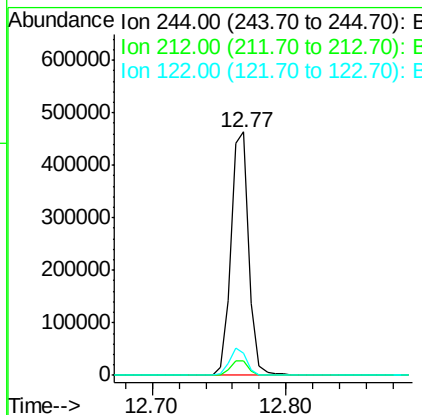
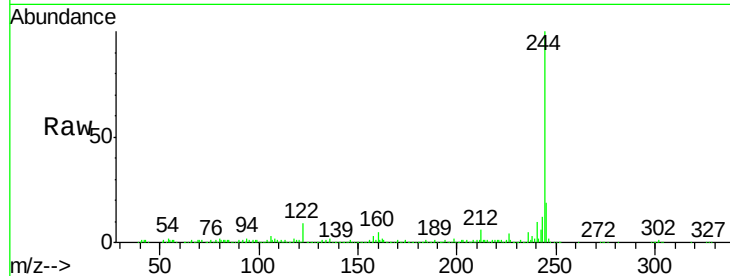
ClientSampleId :

OR-02-041219-A

Tgt Ion:	244	Resp:	438189
Ion Ratio	Lower	Upper	
244	100		
212	6.0	5.5	8.3
122	9.0	8.6	13.0

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 23.133 ng

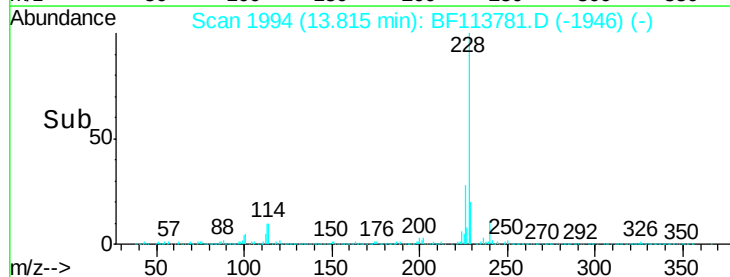
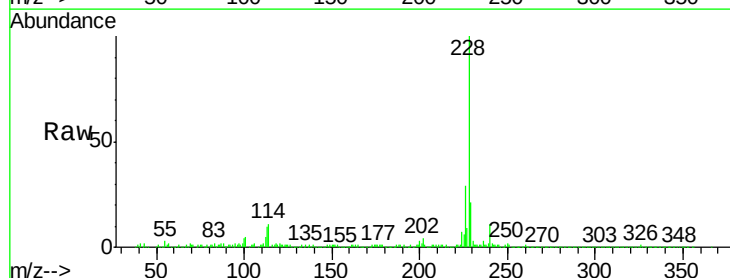
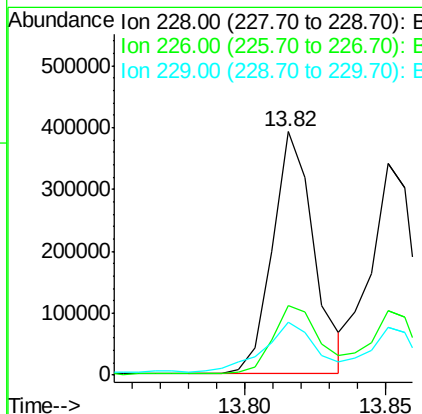
RT: 13.82 min Scan# 1994

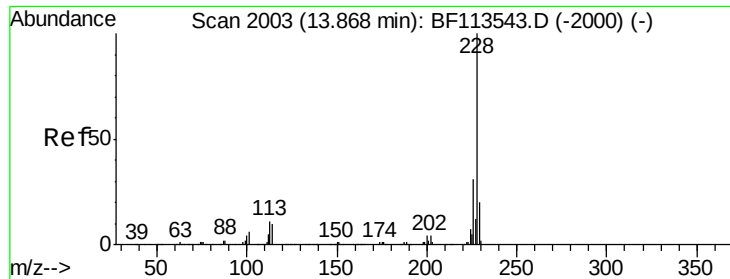
Delta R.T. -0.02 min

Lab File: BF113781.D

Acq: 15 Apr 2019 23:54

Tgt Ion:	228	Resp:	399023
Ion Ratio	Lower	Upper	
228	100		
226	28.8	21.8	32.8
229	21.5	16.2	24.4





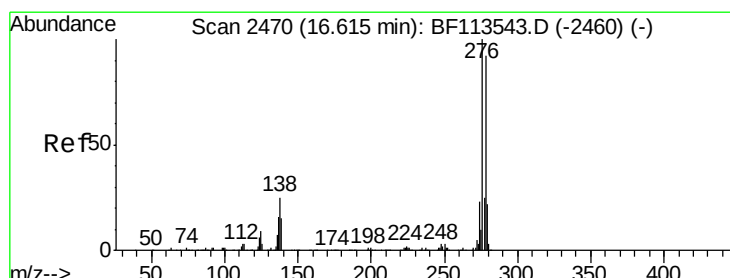
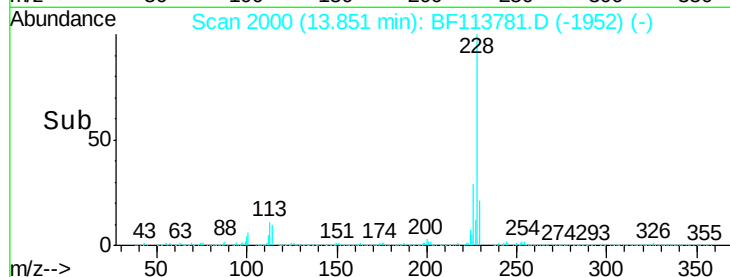
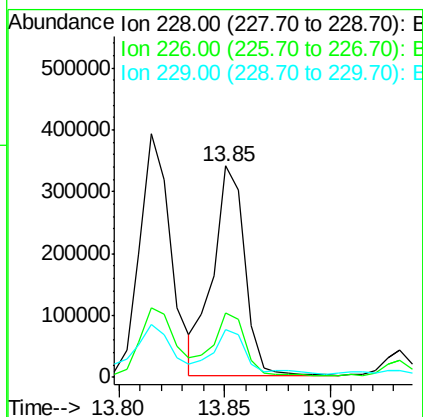
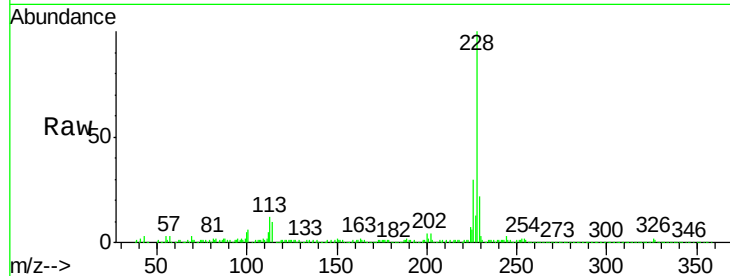
#83
Chrysene
Concen: 20.138 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF113781.D
Acq: 15 Apr 2019 23:54

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	352121		
226	30.3	24.3	36.5	
229	22.4	16.3	24.5	

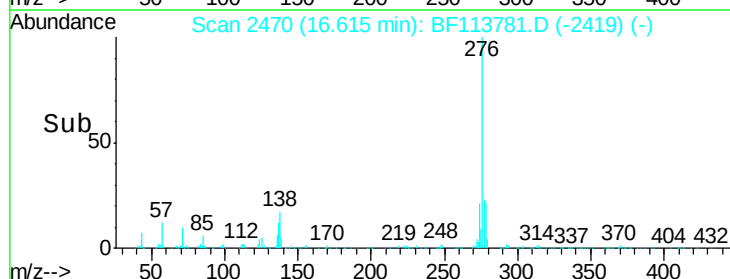
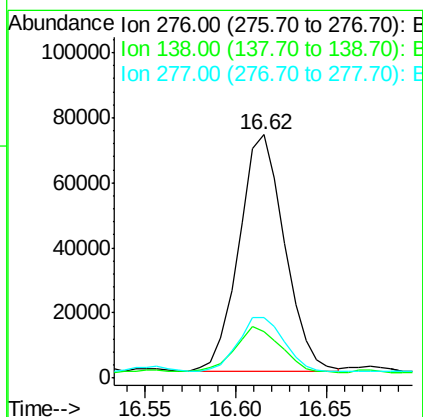
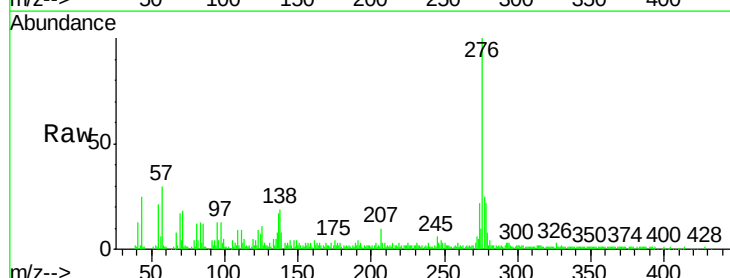
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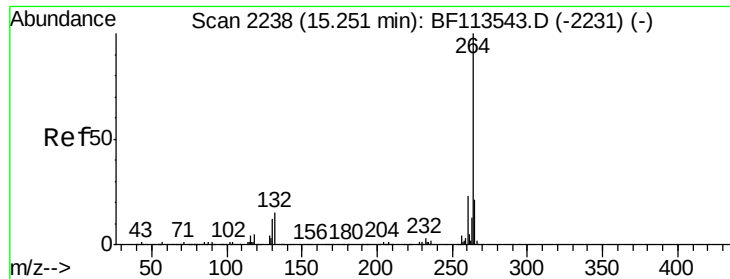
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.857 ng
RT: 16.62 min Scan# 2470
Delta R.T. -0.00 min
Lab File: BF113781.D
Acq: 15 Apr 2019 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	126852		
138	20.5	18.1	27.1	
277	23.6	20.2	30.4	





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF113781.D

Acq: 15 Apr 2019 23:54

Instrument :

BNA_F

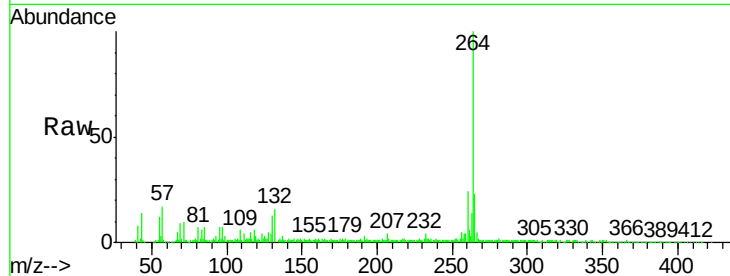
ClientSampleId :

OR-02-041219-A

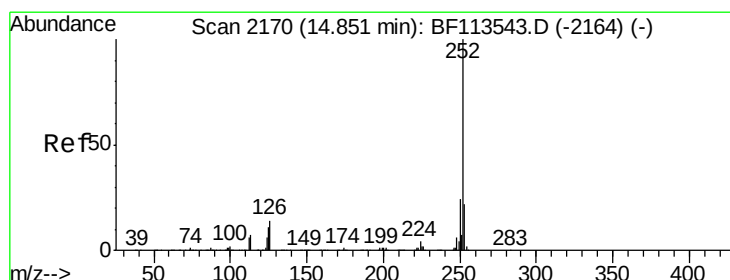
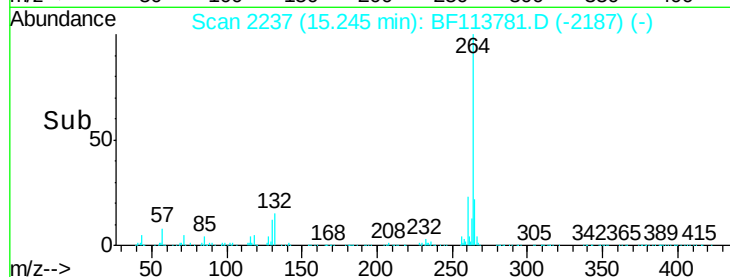
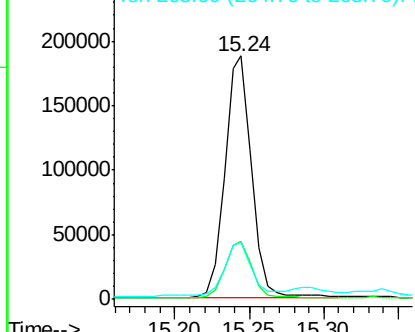
Tgt Ion:	264	Resp:	234947
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.1	28.7
265	23.2	17.1	25.7

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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: 27.046 ng m

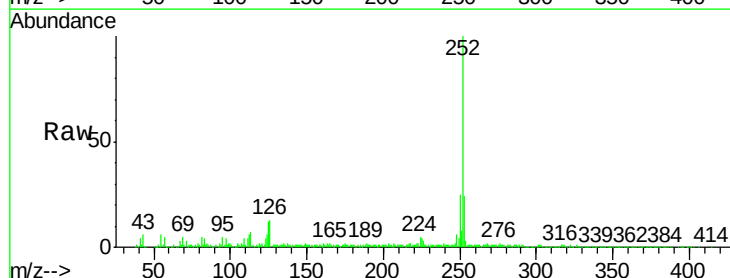
RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

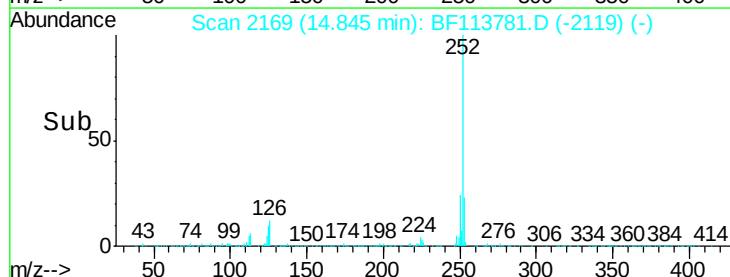
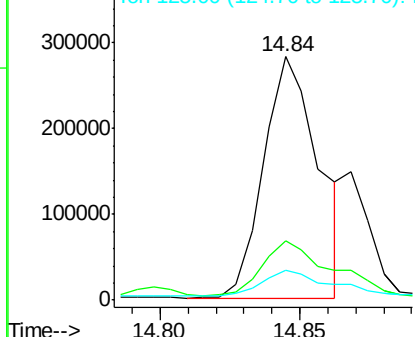
Lab File: BF113781.D

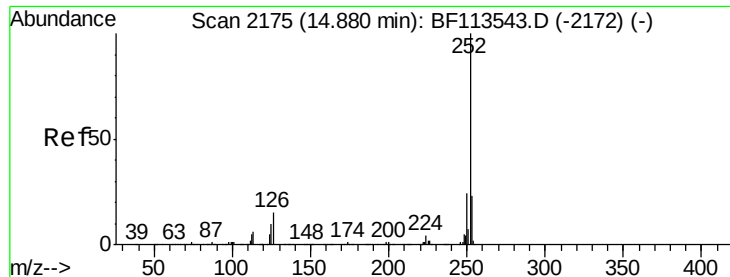
Acq: 15 Apr 2019 23:54

Tgt Ion:	252	Resp:	388973
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.0	27.0
125	12.0	7.6	11.4#



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





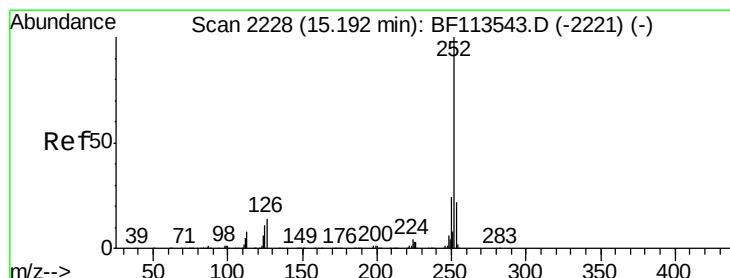
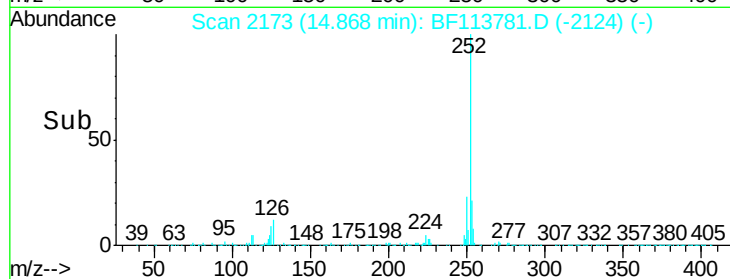
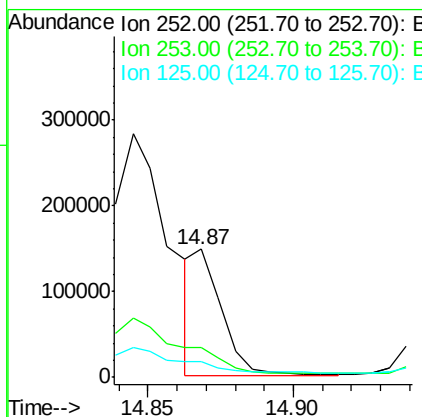
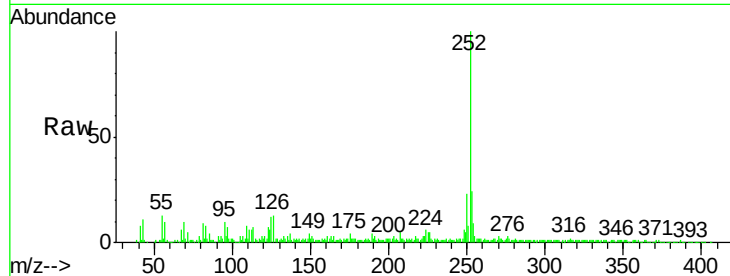
#89
Benzo(k)fluoranthene
Concen: 7.698 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113781.D
Acq: 15 Apr 2019 23:54

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	12.0	7.3	10.9

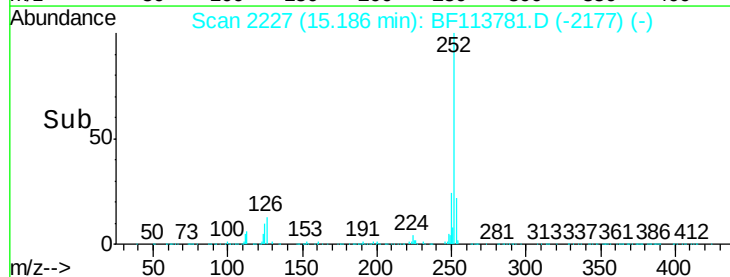
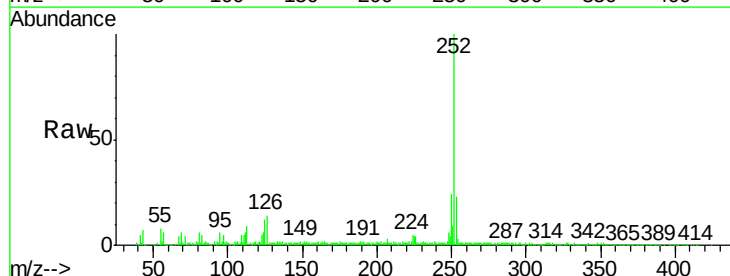
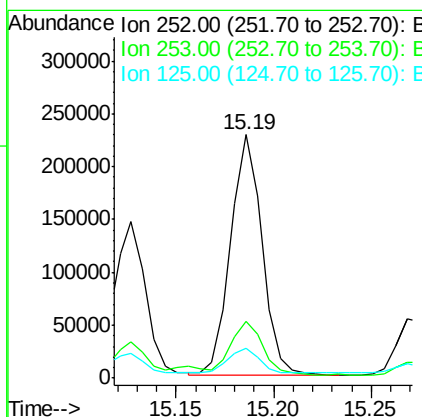
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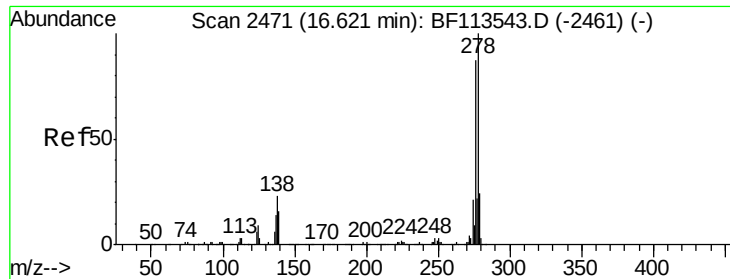
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#90
Benzo(a)pyrene
Concen: 20.041 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF113781.D
Acq: 15 Apr 2019 23:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	12.2	8.8	13.2





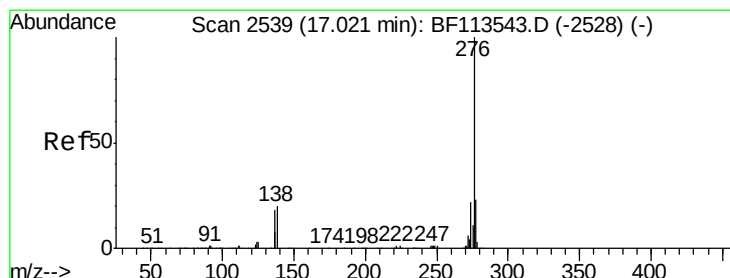
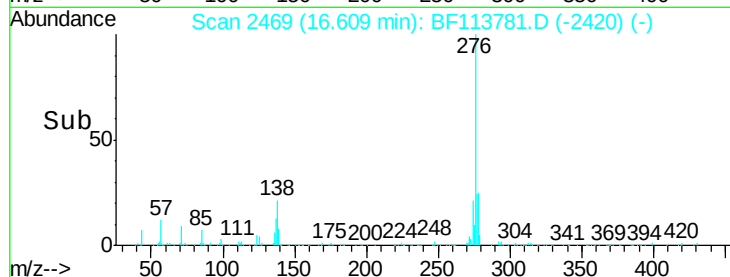
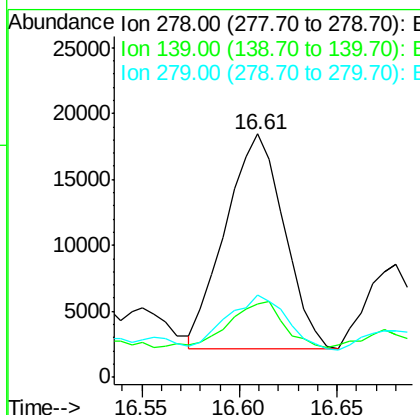
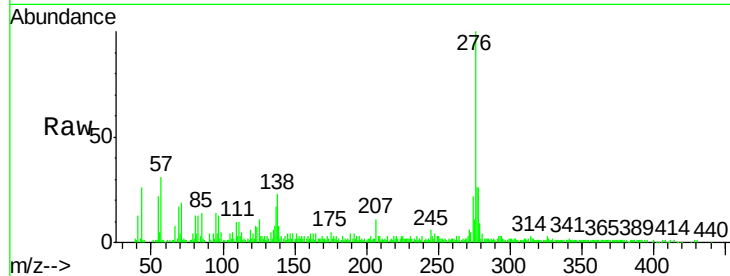
#91
Dibenzo(a,h)anthracene
Concen: 2.830 ng
RT: 16.61 min Scan# 2469
Delta R.T. -0.01 min
Lab File: BF113781.D
Acq: 15 Apr 2019 23:54

Instrument :
BNA_F
ClientSampleId :
OR-02-041219-A

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.9	12.0	18.0#
279	34.0	19.0	28.6#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 10.289 ng
RT: 17.03 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF113781.D
Acq: 15 Apr 2019 23:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.8	28.2
138	23.0	15.6	23.4

