

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
 Data File : BF113710.D
 Acq On : 10 Apr 2019 21:50
 Operator : JU/SJ
 Sample : K2203-07 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-040919-B

Manual Integrations
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 4/11/2019 2:39:58 PM

Quant Time: Apr 11 04:19:59 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	127856	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	460982	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	184341	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	353592	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	313342	20.00	ng	-0.02
87) Perylene-d12	15.24	264	219587	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	341419	45.54	ng	0.00
7) Phenol-d6	6.33	99	463086	50.11	ng	0.00
23) Nitrobenzene-d5	7.25	82	249035	31.64	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	97828	44.18	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	462166	40.36	ng	-0.02
79) Terphenyl-d14	12.77	244	469551	30.51	ng	-0.02
Target Compounds						
49) Acenaphthylene	9.57	152	63158	3.372	ng	98
50) Dimethylphthalate	9.43	163	40316	2.967	ng	100
71) Phenanthrene	11.22	178	182810	10.405	ng	97
72) Anthracene	11.27	178	93349	5.222	ng	99
75) Fluoranthene	12.40	202	877929	46.629	ng	100
78) Pyrene	12.63	202	854955	35.859	ng	99
81) Benzo(a)anthracene	13.82	228	467541	25.866	ng	97
83) Chrysene	13.85	228	419537	22.896	ng	99
86) Indeno(1,2,3-cd)pyrene	16.60	276	181881	10.751	ng	95
88) Benzo(b)fluoranthene	14.84	252	432346m	32.165	ng	
89) Benzo(k)fluoranthene	14.86	252	139285m	11.546	ng	
90) Benzo(a)pyrene	15.18	252	295072	24.704	ng	99
91) Dibenzo(a,h)anthracene	16.60	278	45560	4.079	ng	# 78
92) Benzo(a,h,i)perylene	17.01	276	179231	15.721	ng	97

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

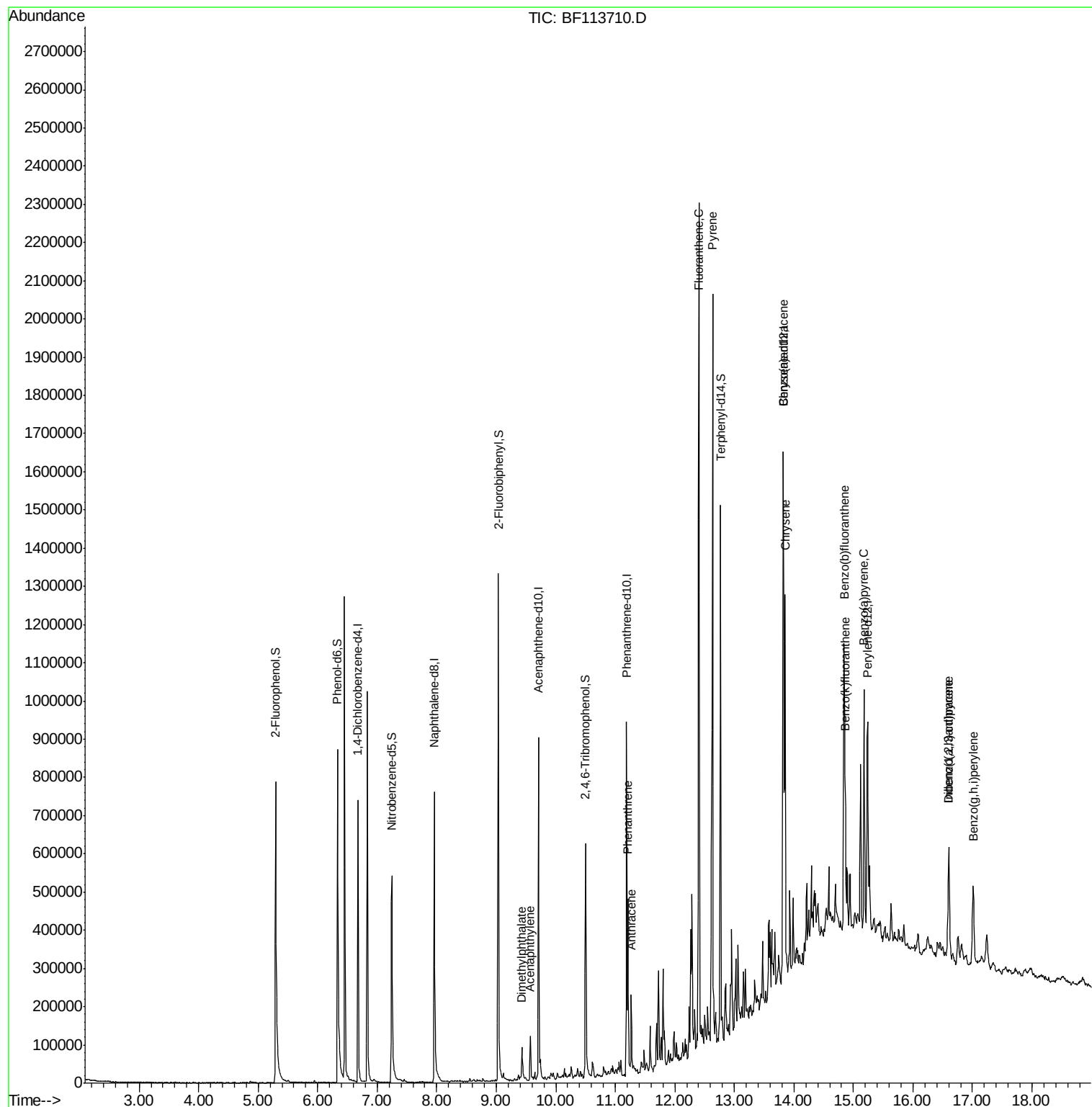
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
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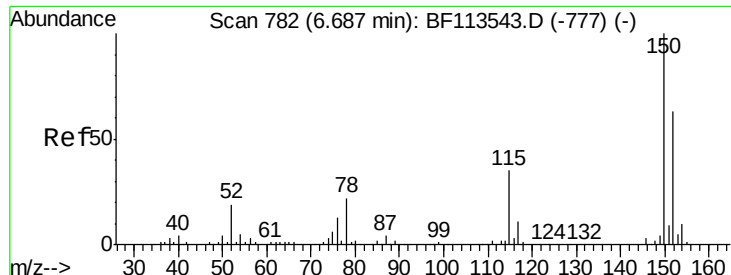
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
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#1

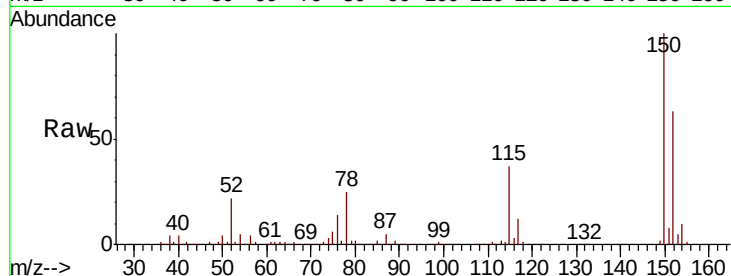
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Instrument :
BNA_F
ClientSampleId :
SU-04-040919-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.7	187.1
115	58.5	46.0	69.0

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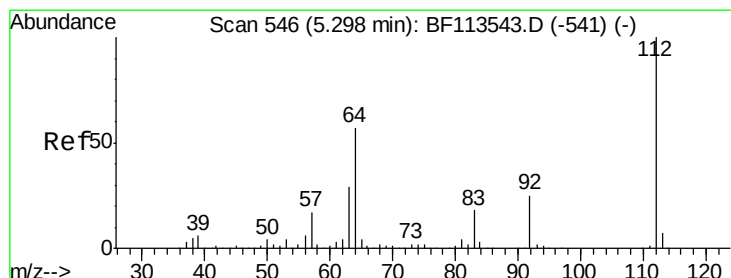
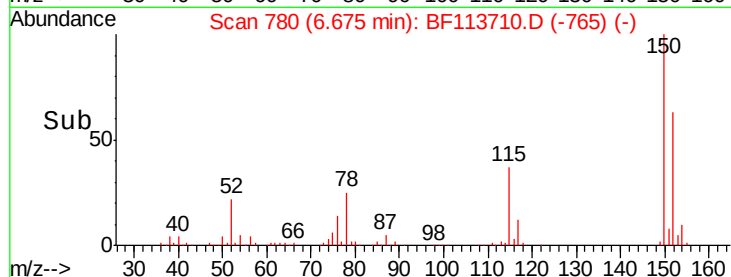
Abundance

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

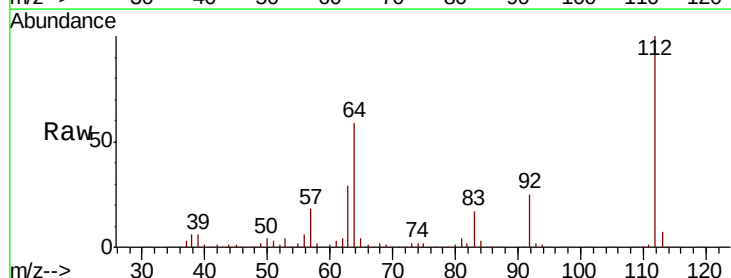
Time-->



#5

2-Fluorophenol
Concen: 45.535 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	49.2	73.8
63	29.3	24.9	37.3



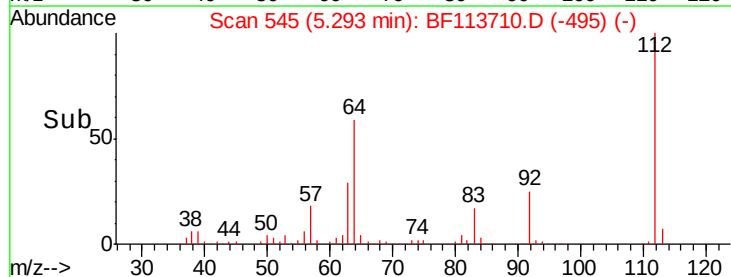
Abundance

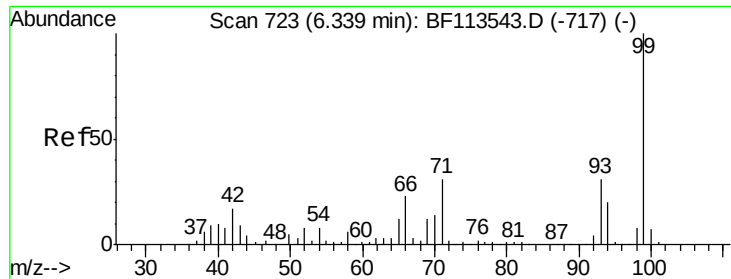
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 50.111 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

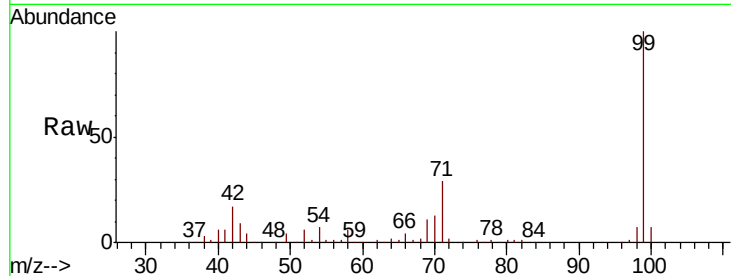
ClientSampleId :

SU-04-040919-B

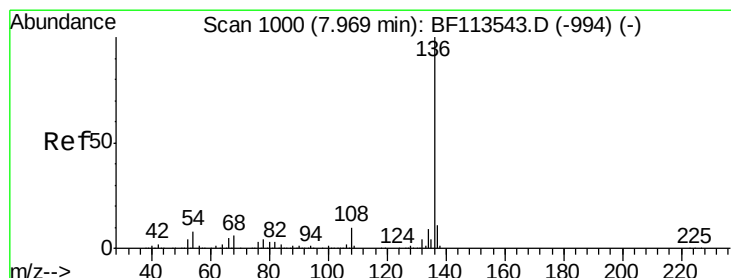
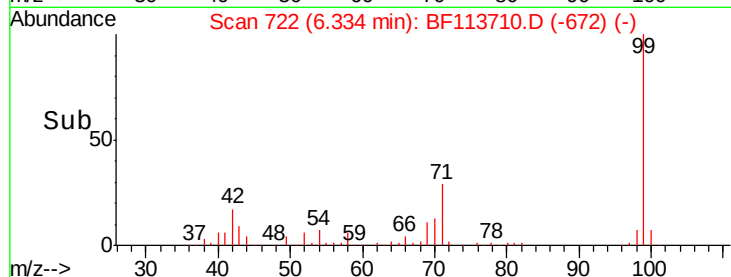
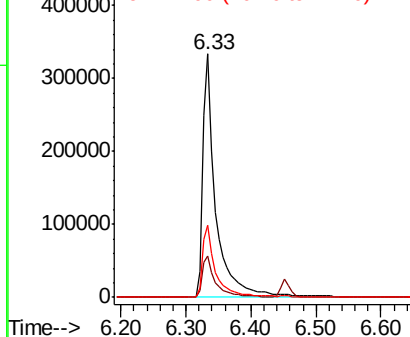
Tot Ion:	99	Resp:	463086
Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.8	22.2
71	29.4	24.9	37.3

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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: 7.96 min Scan# 999

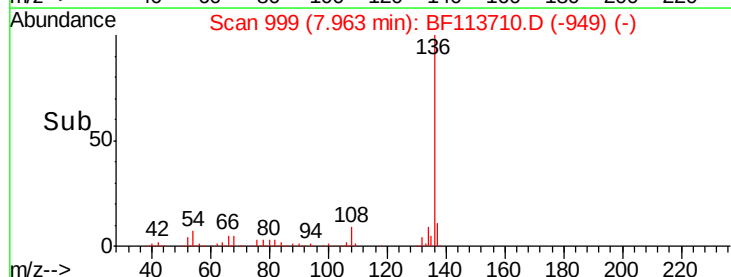
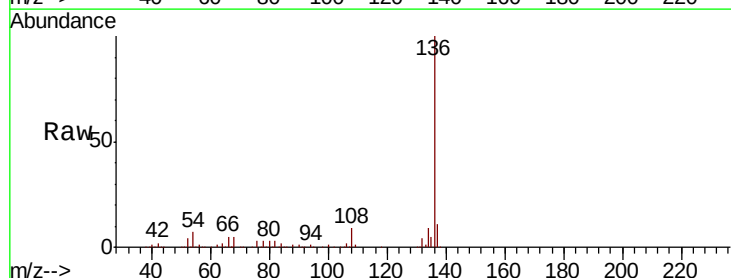
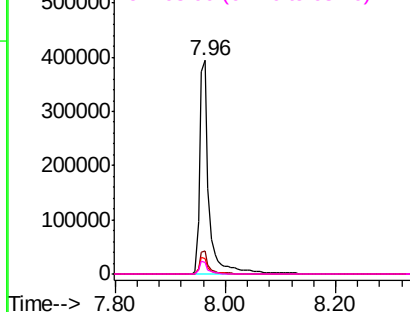
Delta R.T. -0.01 min

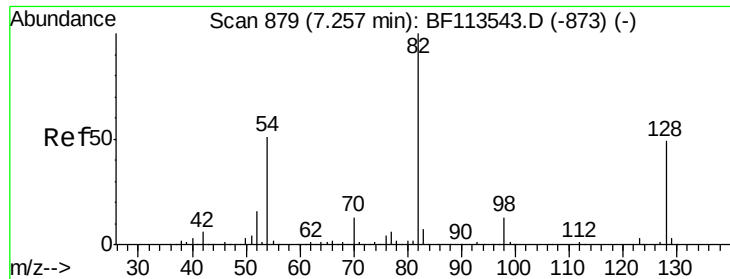
Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Tgt Ion:	136	Resp:	460982
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.1	7.0	10.6
68	5.2	4.8	7.2

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





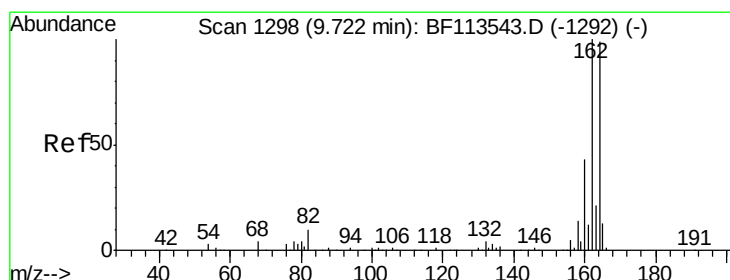
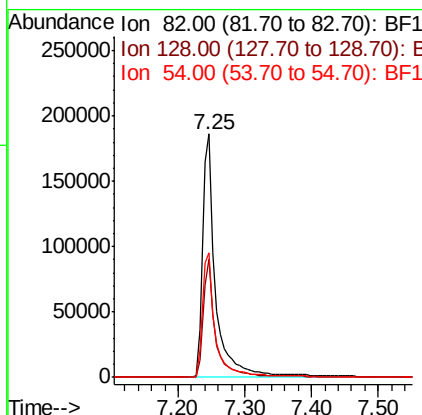
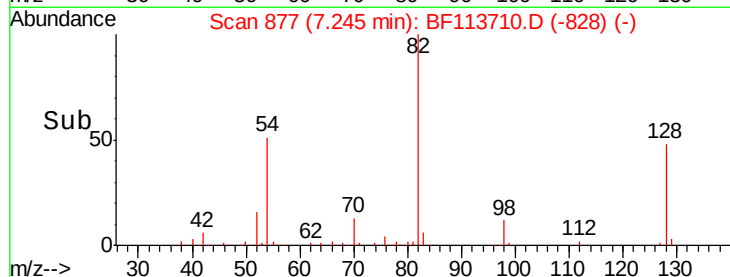
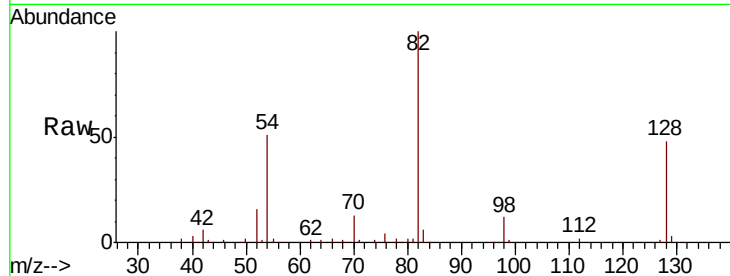
#23
Nitrobenzene-d5
Concen: 31.644 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Instrument :
BNA_F
ClientSampleId :
SU-04-040919-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	36.5	54.7
54	51.0	42.2	63.2

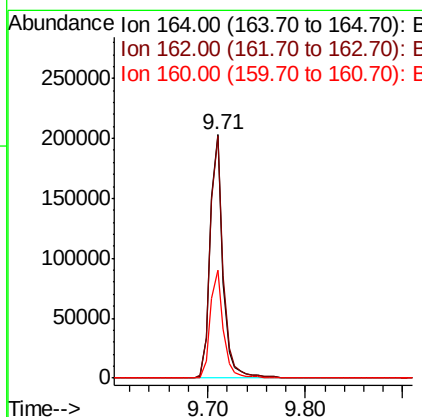
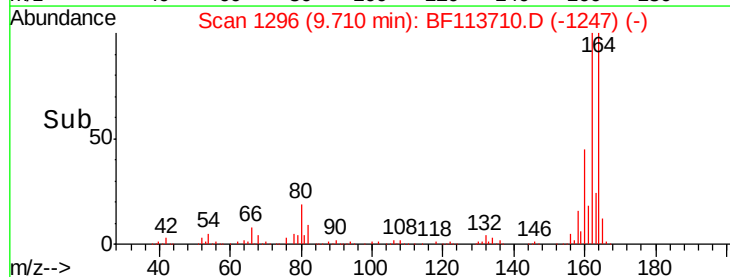
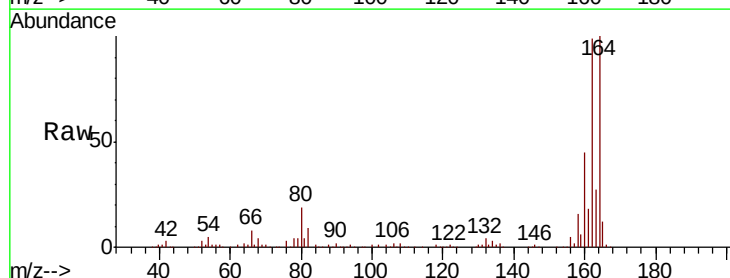
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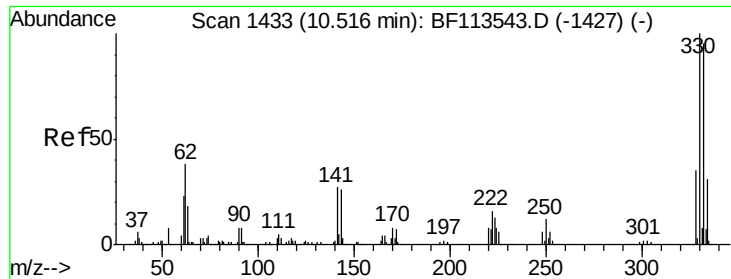
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.8	122.6
160	44.6	36.4	54.6





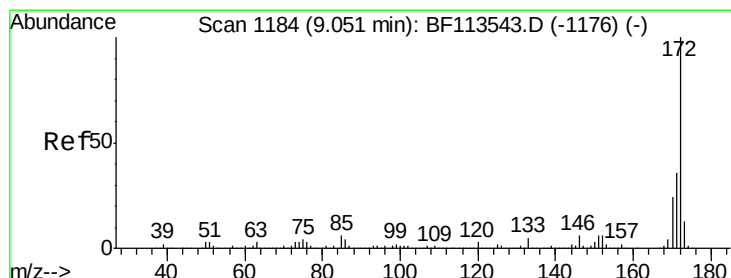
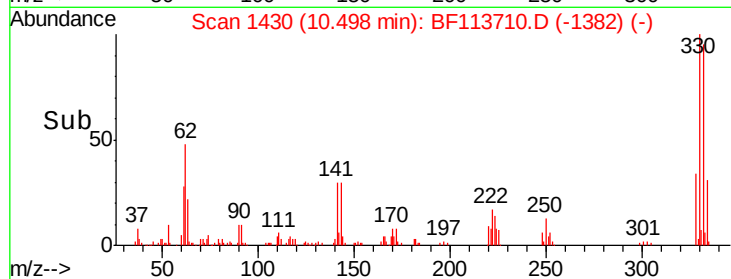
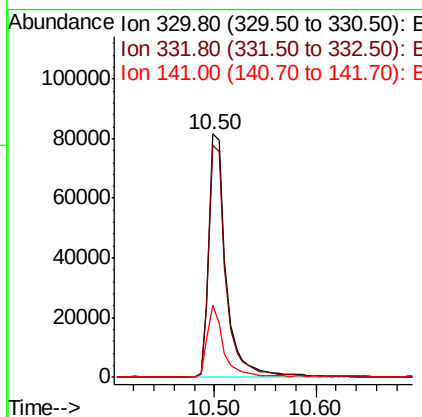
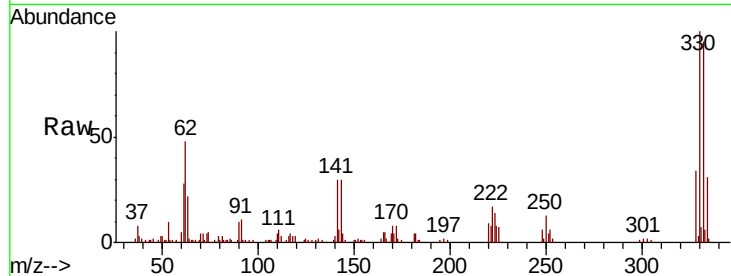
#42
 2,4,6-Tribromophenol
 Concen: 44.178 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113710.D
 Acq: 10 Apr 2019 21:50

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-040919-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.8	116.6
141	28.7	22.7	34.1

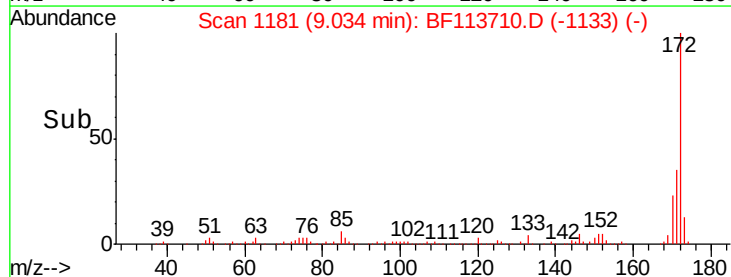
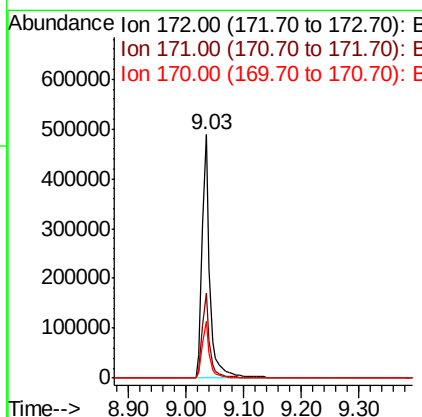
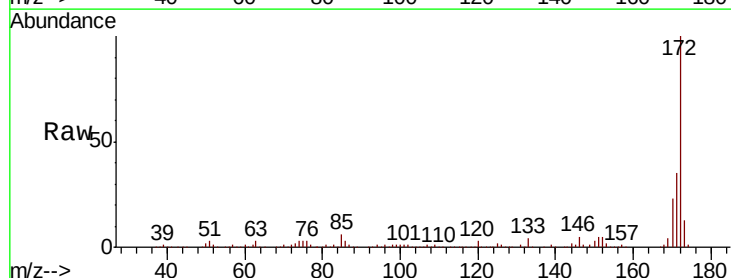
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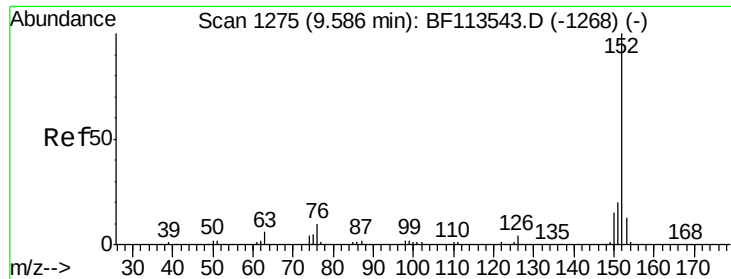
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#45
 2-Fluorobiphenyl
 Concen: 40.362 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF113710.D
 Acq: 10 Apr 2019 21:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.0	43.6
170	23.2	19.5	29.3





#49

Acenaphthylene

Concen: 3.372 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

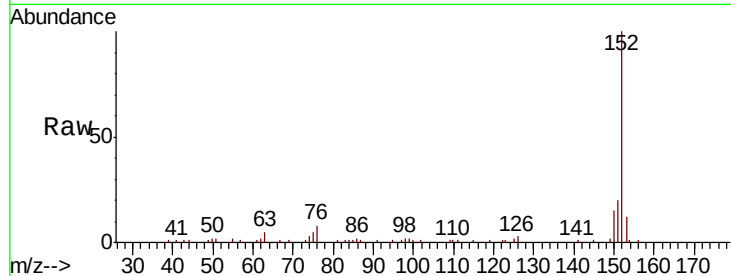
ClientSampleId :

SU-04-040919-B

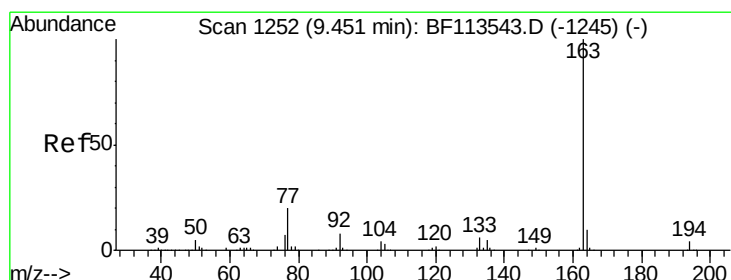
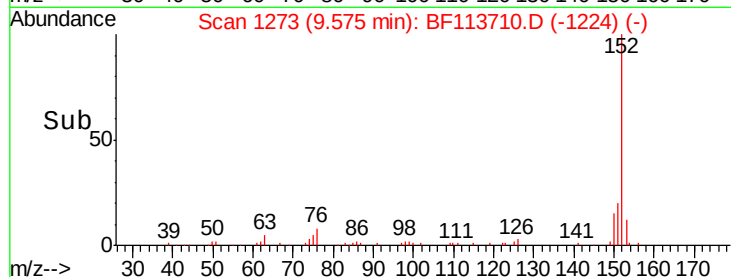
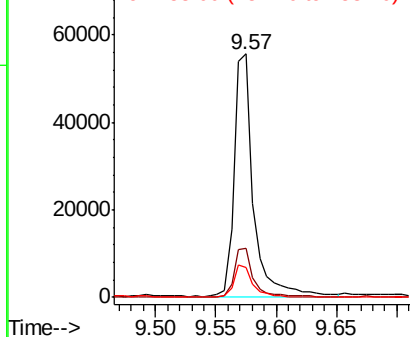
Tot Ion:	152	Resp:	63158
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.2	24.4
153	12.4	11.0	16.6

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.967 ng

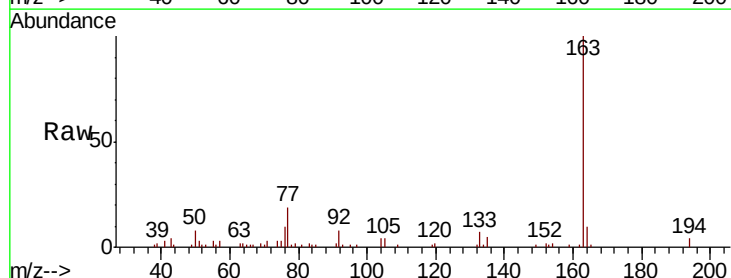
RT: 9.43 min Scan# 1249

Delta R.T. -0.02 min

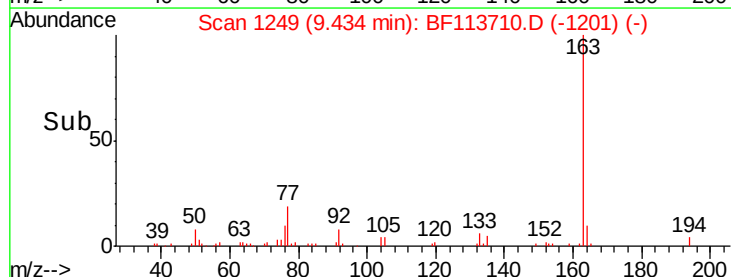
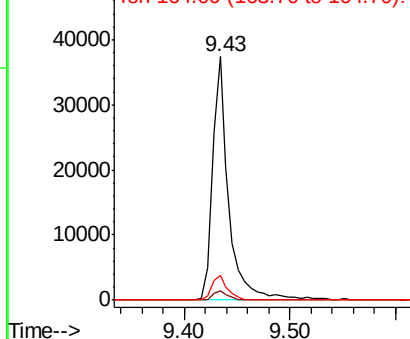
Lab File: BF113710.D

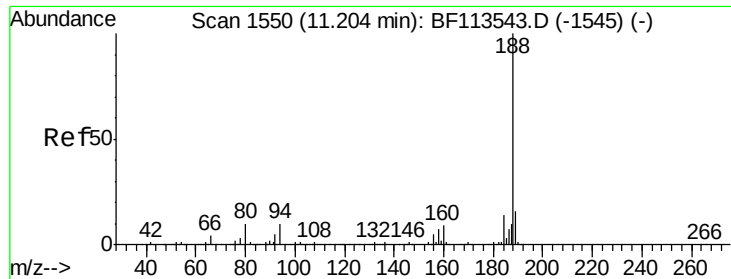
Acq: 10 Apr 2019 21:50

Tgt Ion:	163	Resp:	40316
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.0	4.6
164	10.1	8.1	12.1



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





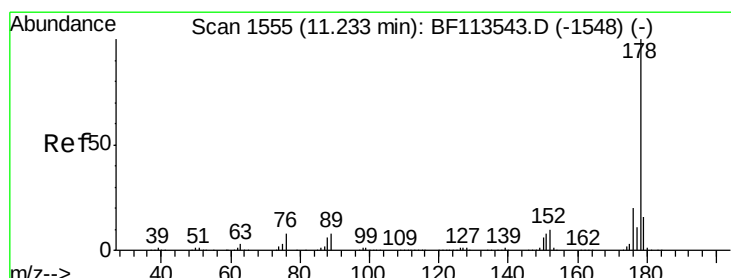
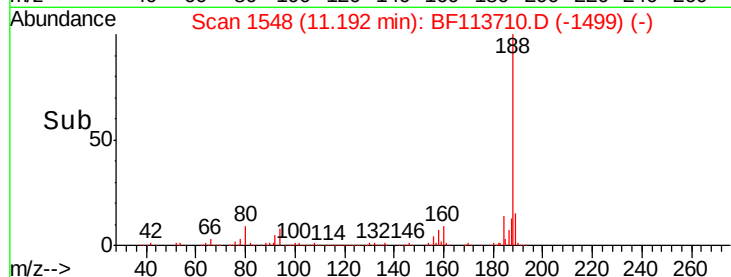
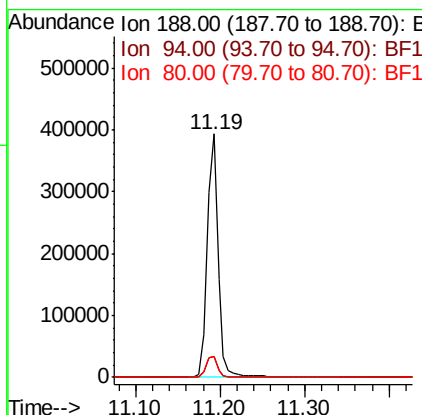
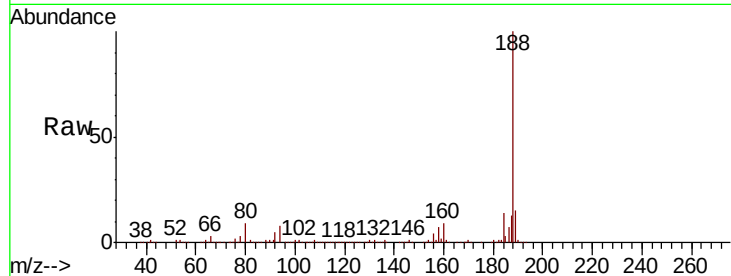
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Instrument :
BNA_F
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SU-04-040919-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	353592		
94	8.4		7.0	10.6
80	8.8		7.7	11.5

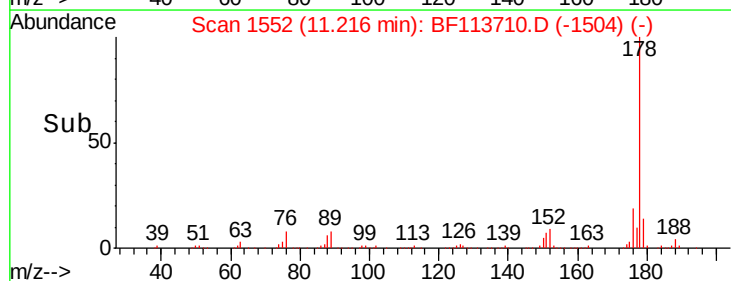
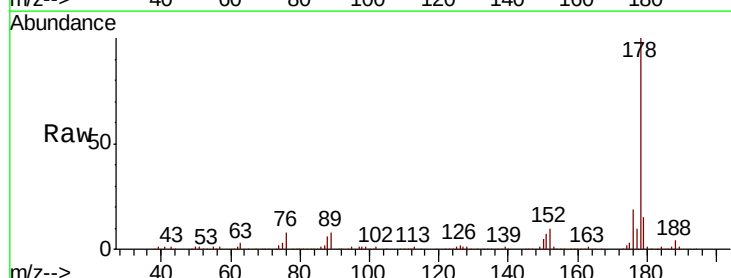
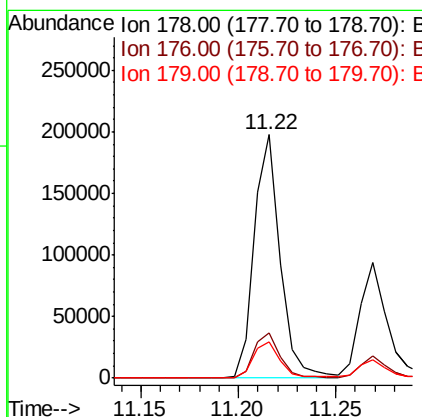
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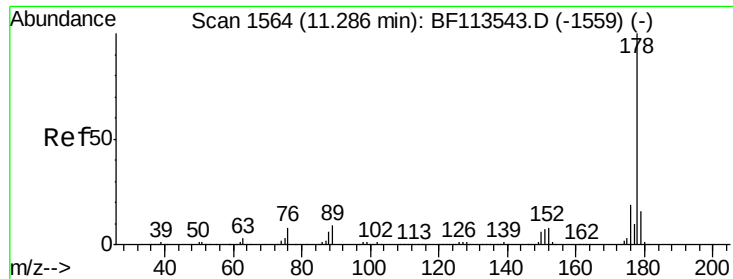
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#71
Phenanthrene
Concen: 10.405 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	182810		
176	18.8		16.2	24.2
179	14.7		12.7	19.1





#72

Anthracene

Concen: 5.222 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

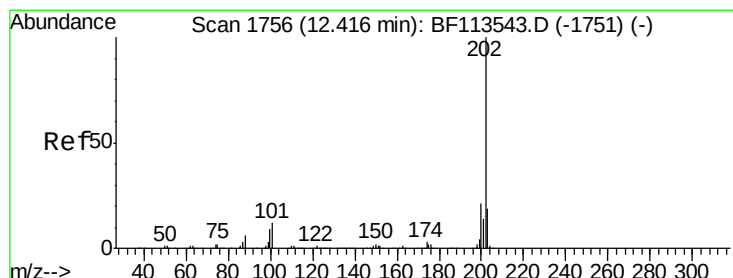
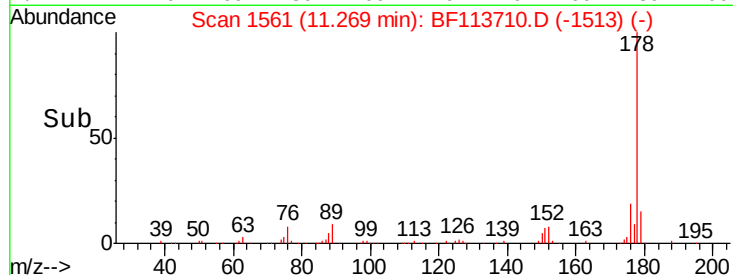
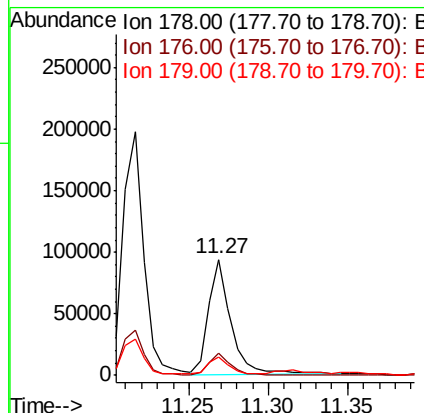
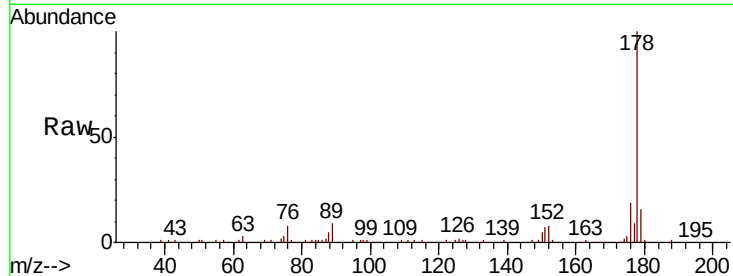
ClientSampleId :

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Tot Ion:178	Resp:	93349
Ion Ratio	Lower	Upper
178	100	
176	18.6	15.4 23.2
179	15.7	12.8 19.2

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#75

Fluoranthene

Concen: 46.629 ng

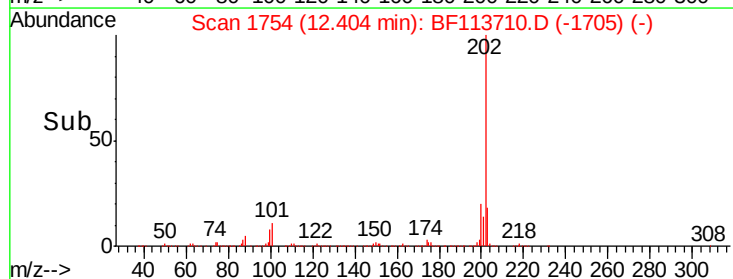
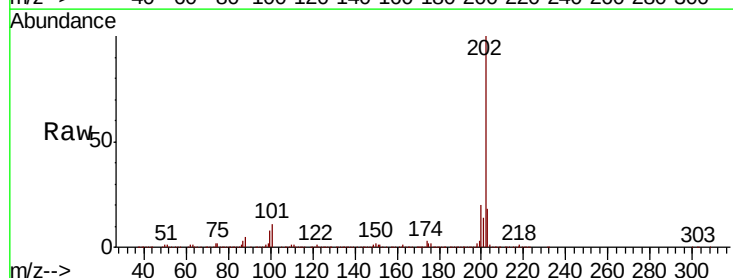
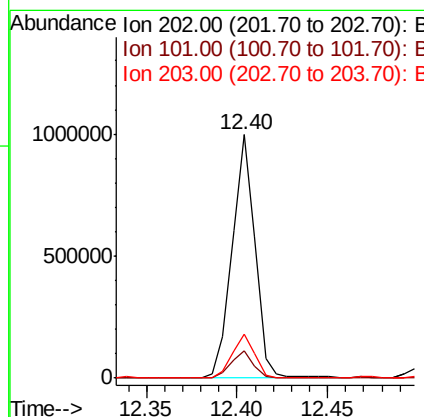
RT: 12.40 min Scan# 1754

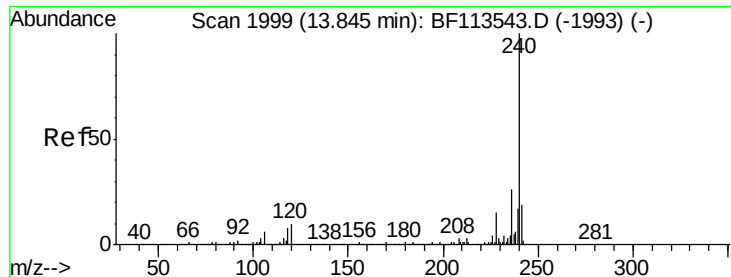
Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Tgt Ion:202	Resp:	877929
Ion Ratio	Lower	Upper
202	100	
101	11.3	0.0 31.4
203	17.8	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: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

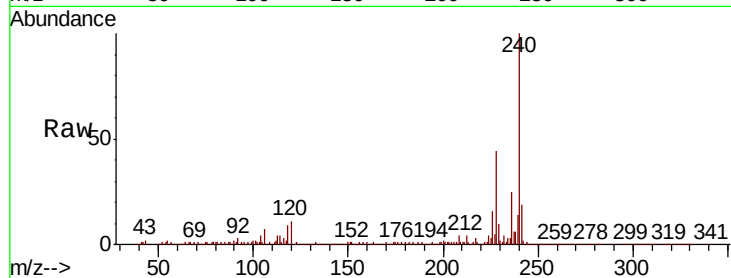
ClientSampleId :

SU-04-040919-B

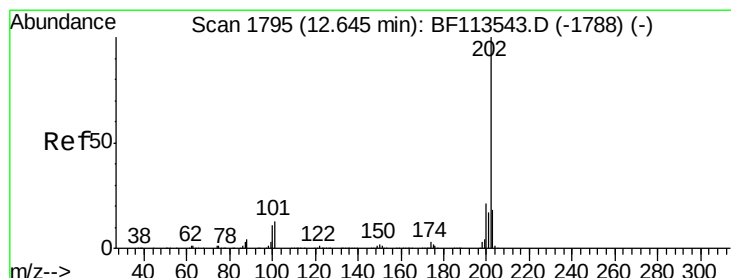
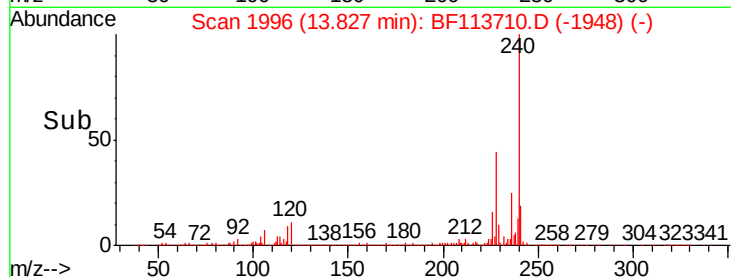
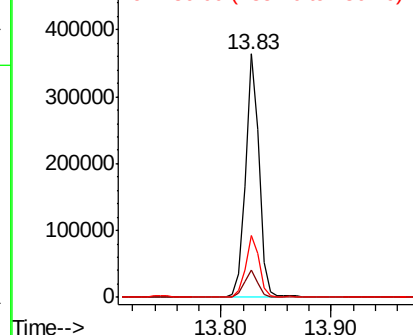
Tot Ion:	240	Resp:	313342
Ion Ratio		Lower	Upper
240	100		
120	11.2	8.8	13.2
236	25.4	20.9	31.3

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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: 35.859 ng

RT: 12.63 min Scan# 1793

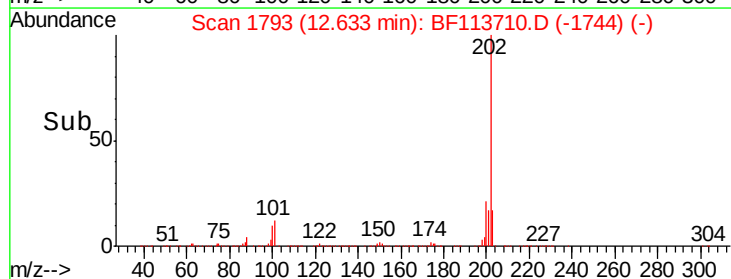
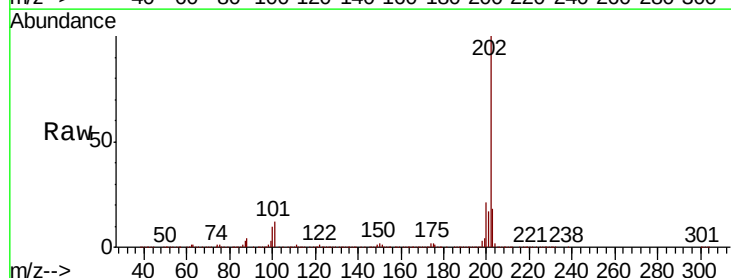
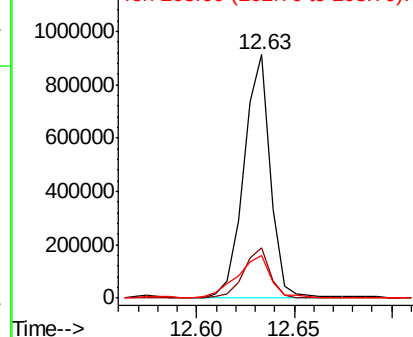
Delta R.T. -0.01 min

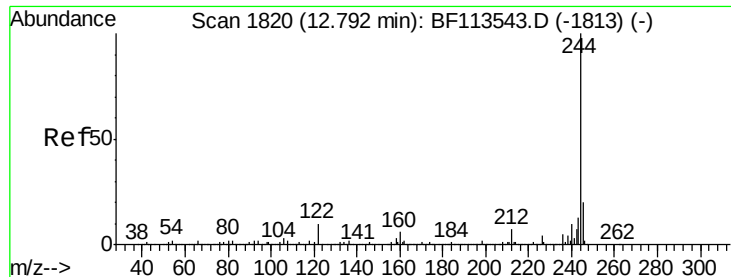
Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Tgt Ion:	202	Resp:	854955
Ion Ratio		Lower	Upper
202	100		
200	20.5	16.8	25.2
203	17.7	14.4	21.6

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





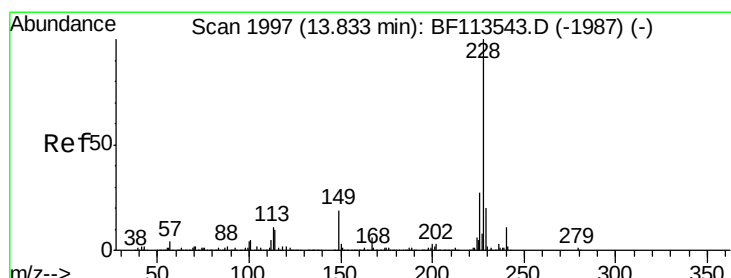
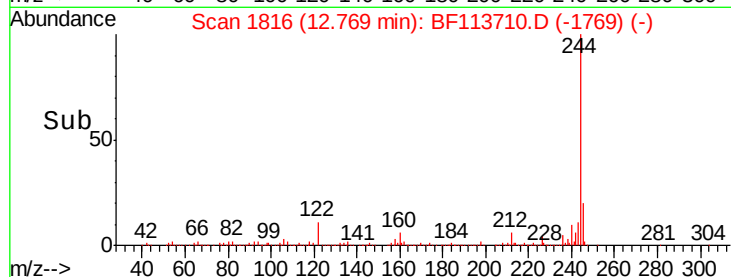
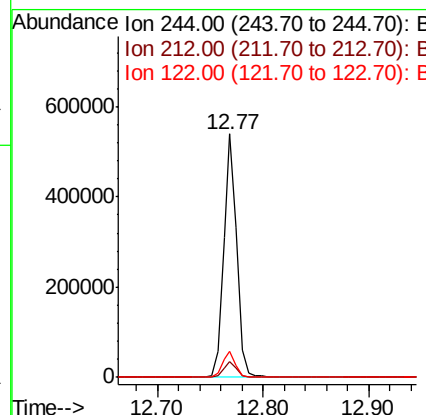
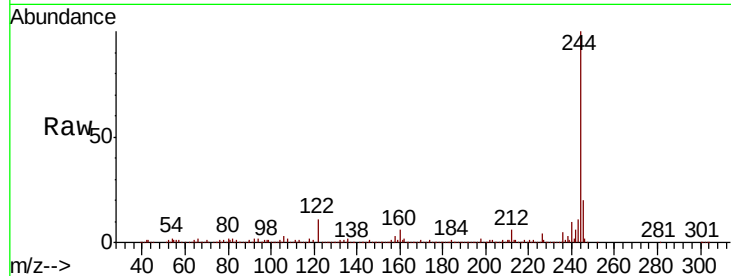
#79
 Terphenyl-d14
 Concen: 30.510 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.02 min
 Lab File: BF113710.D
 Acq: 10 Apr 2019 21:50

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-040919-B

Tot Ion	Ratio	Resp	Lower	Upper
244	100	469551		
212	6.5	5.5	8.3	
122	10.9	8.6	13.0	

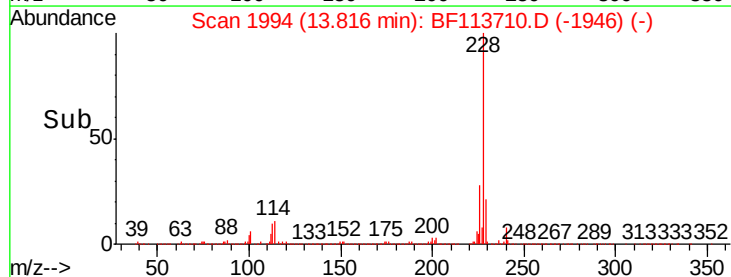
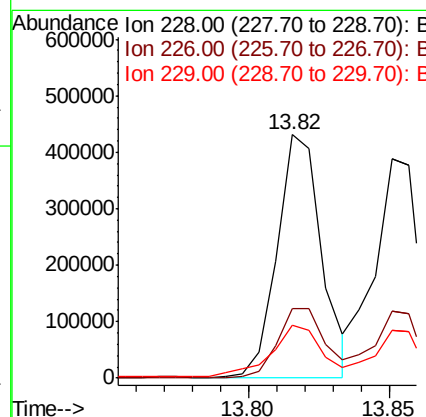
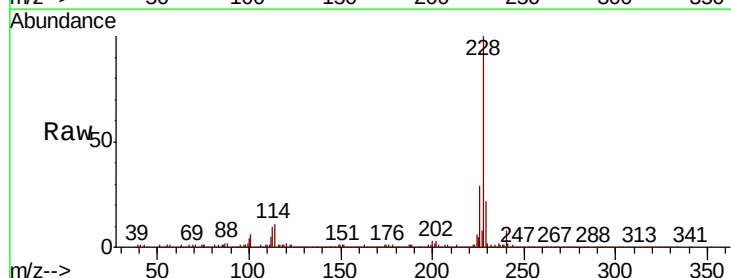
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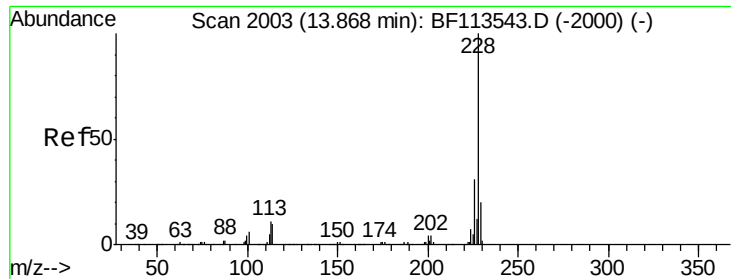
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#81
 Benzo(a)anthracene
 Concen: 25.866 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.02 min
 Lab File: BF113710.D
 Acq: 10 Apr 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	467541		
226	28.6	21.8	32.8	
229	21.6	16.2	24.4	





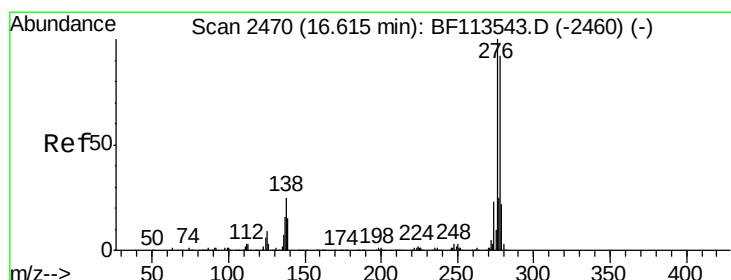
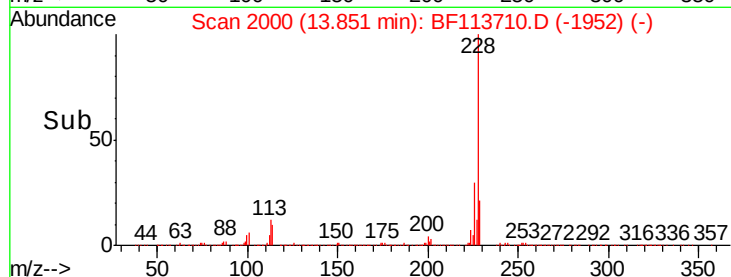
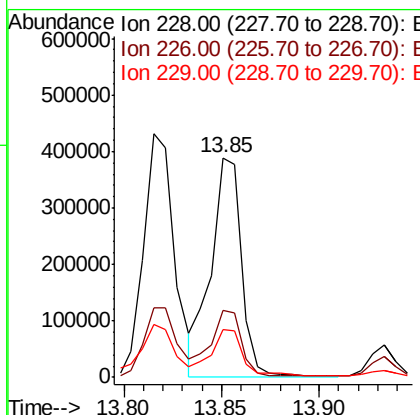
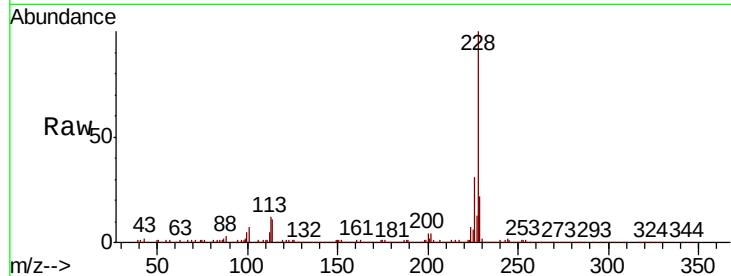
#83
Chrysene
Concen: 22.896 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Instrument :
BNA_F
ClientSampleId :
SU-04-040919-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.3	36.5
229	21.6	16.3	24.5

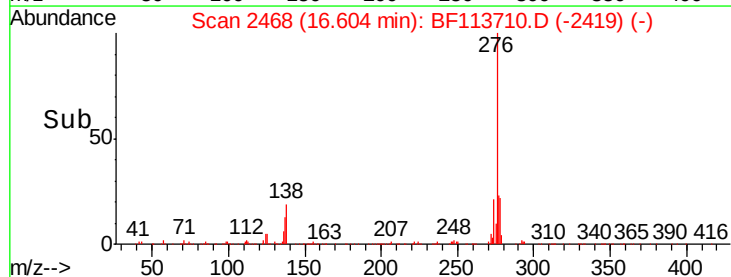
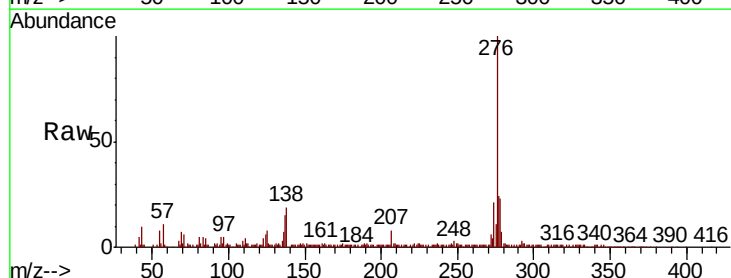
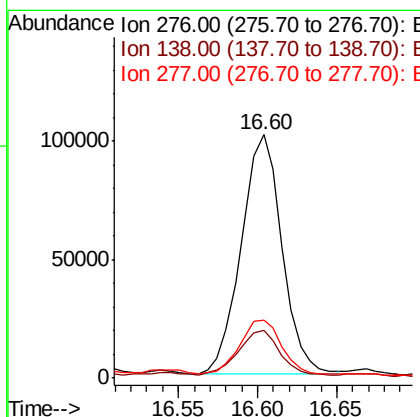
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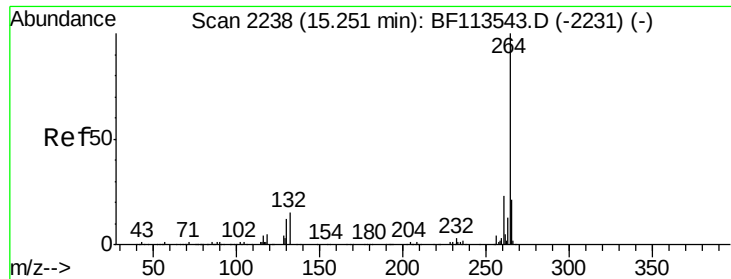
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 10.751 ng
RT: 16.60 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.4	18.1	27.1
277	23.6	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

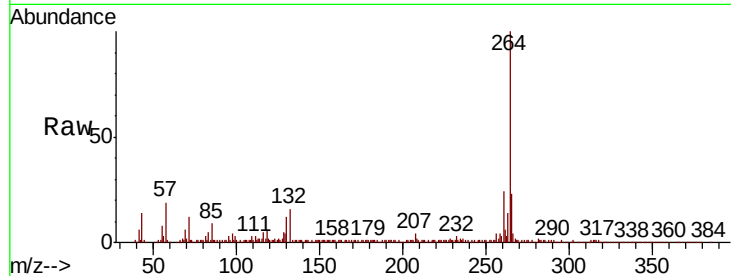
ClientSampleId :

SU-04-040919-B

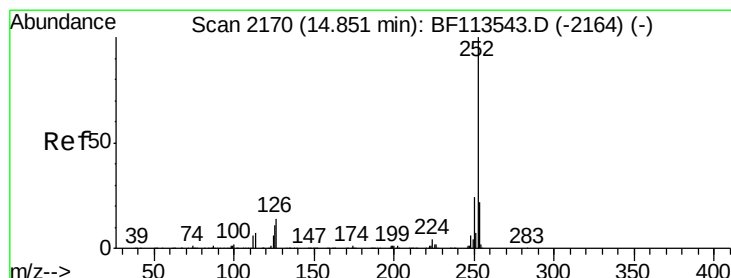
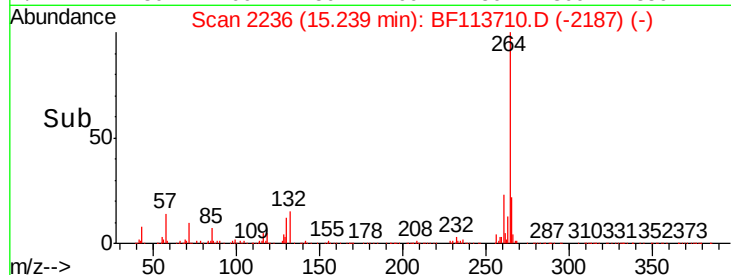
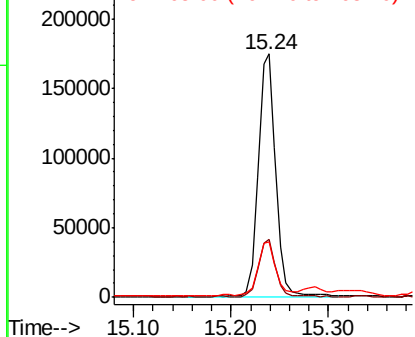
Tot Ion:	264	Resp:	219587
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.1	28.7
265	23.0	17.1	25.7

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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: 32.165 ng m

RT: 14.84 min Scan# 2169

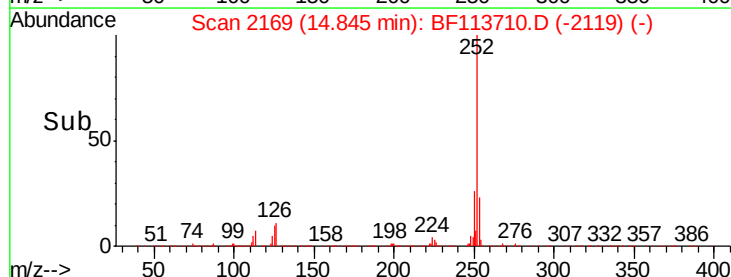
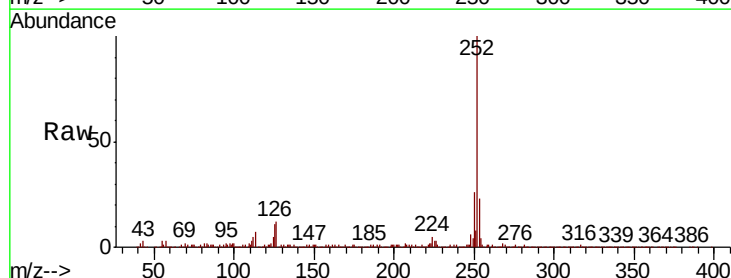
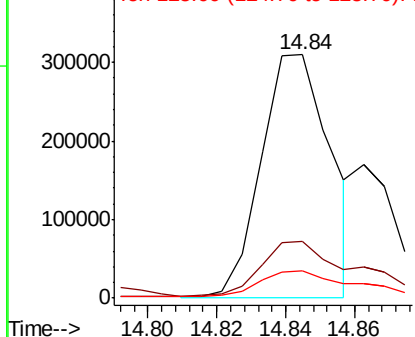
Delta R.T. -0.01 min

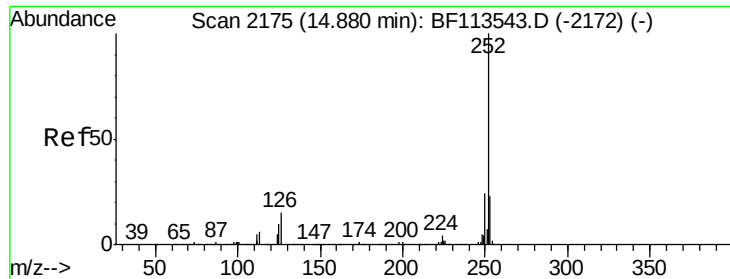
Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Tgt Ion:	252	Resp:	432346
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.0	27.0
125	11.1	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: 11.546 ng

RT: 14.86 min Scan# 2172

Delta R.T. -0.02 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

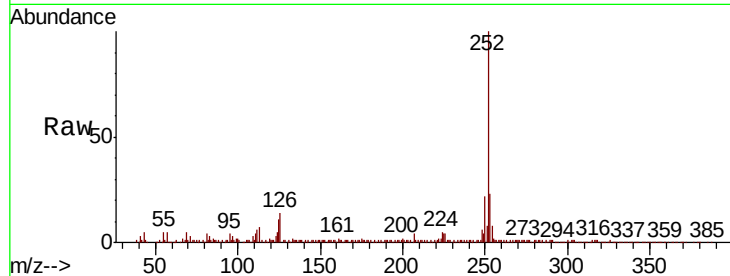
ClientSampleId :

SU-04-040919-B

Tot Ion:	252	Resp:	139285
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.7	26.5
125	11.0	7.3	10.9

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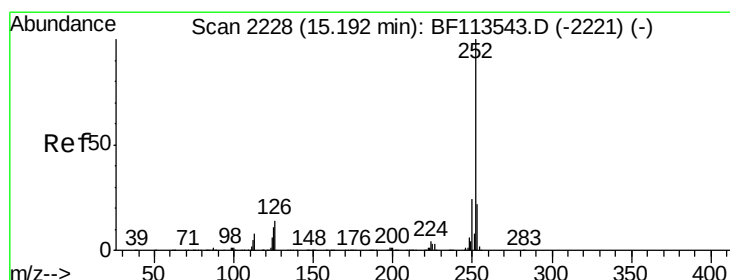
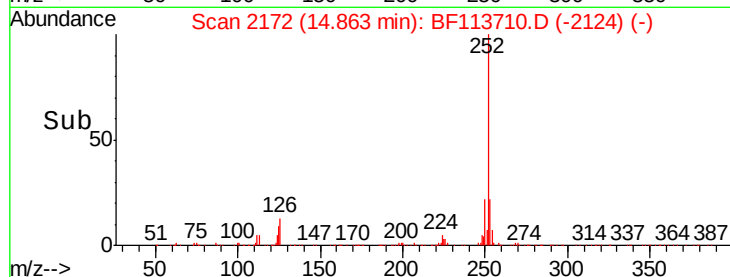
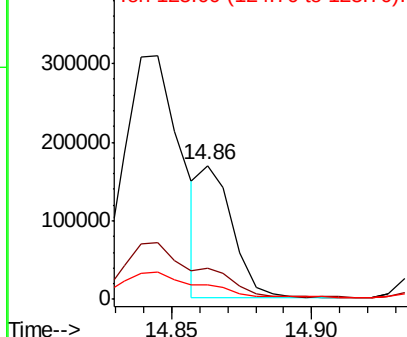


Abundance

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: 24.704 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

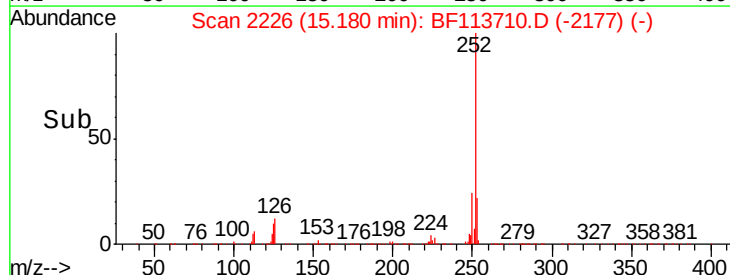
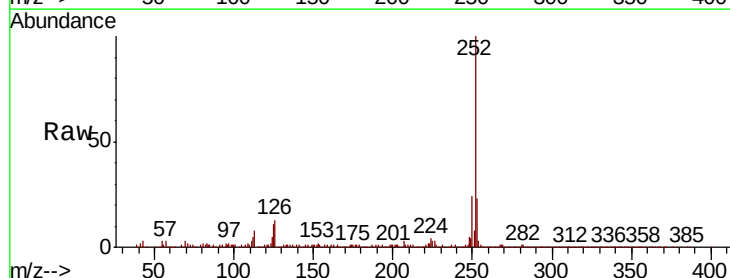
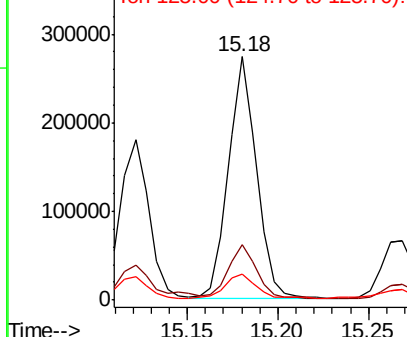
Tgt Ion:	252	Resp:	295072
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	10.9	8.8	13.2

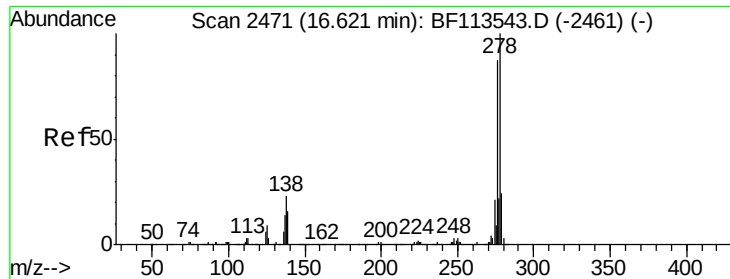
Abundance

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





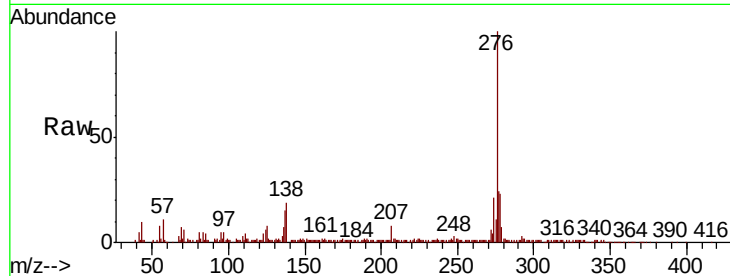
#91
Dibenzo(a,h)anthracene
Concen: 4.079 ng
RT: 16.60 min Scan# 2468
Delta R.T. -0.02 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Instrument :
BNA_F
ClientSampleId :
SU-04-040919-B

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	30.5	19.0	28.6#

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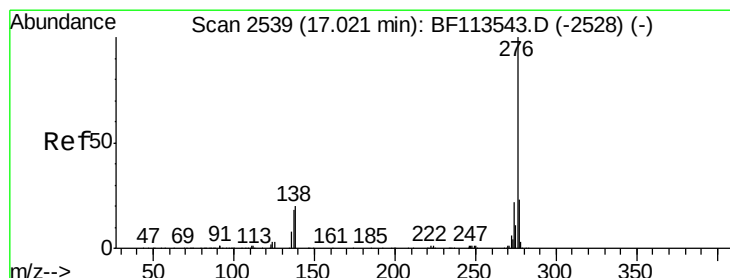
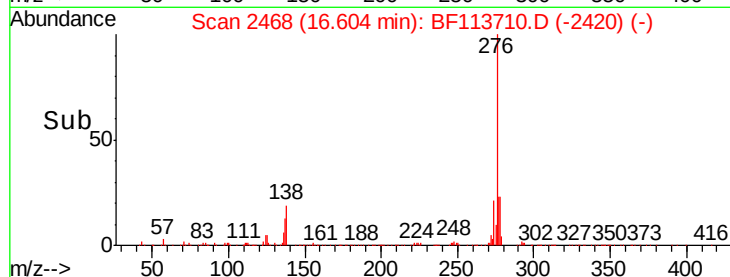
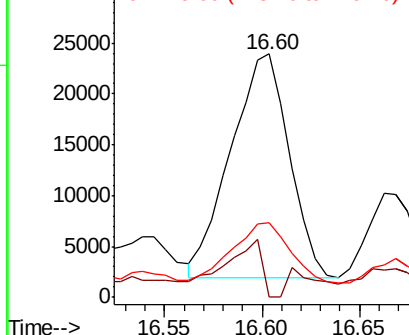


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 15.721 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.8	28.2
138	21.3	15.6	23.4

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

