

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
 Data File : BF114201.D
 Acq On : 12 May 2019 19:06
 Operator : JU/SJ
 Sample : K2768-18
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS016-0206-01

Manual Integrations
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Sohil
 5/13/2019 8:37:35 PM

Quant Time: May 13 09:28:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	262214	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	980799	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	444712	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	826218	20.00	ng	0.00
76) Chrysene-d12	14.02	240	524324	20.00	ng	0.00
87) Perylene-d12	15.49	264	603840	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1597741	98.06	ng	0.00
7) Phenol-d6	6.50	99	2114208	109.71	ng	0.00
23) Nitrobenzene-d5	7.42	82	1301068	74.45	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	477782	103.92	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	2019008	68.68	ng	0.00
79) Terphenyl-d14	12.96	244	1604660	63.09	ng	0.00
Target Compounds						
49) Acenaphthylene	9.75	152	201965	4.593	ng	98
50) Dimethylphthalate	9.60	163	476229	14.588	ng	99
71) Phenanthrene	11.40	178	957333	23.816	ng	97
72) Anthracene	11.44	178	85156	2.109	ng	99
75) Fluoranthene	12.59	202	1066955	24.649	ng	98
78) Pyrene	12.82	202	1702997	40.375	ng	99
81) Benzo(a)anthracene	14.00	228	598352m	17.644	ng	
83) Chrysene	14.04	228	789907	23.761	ng	98
86) Indeno(1,2,3-cd)pyrene	16.95	276	340242	11.580	ng	97
88) Benzo(b)fluoranthene	15.06	252	825644m	21.342	ng	
89) Benzo(k)fluoranthene	15.08	252	214054m	6.024	ng	
90) Benzo(a)pyrene	15.42	252	590200	17.335	ng	99
91) Dibenzo(a,h)anthracene	16.96	278	89376m	3.159	ng	
92) Benzo(g,h,i)perylene	17.40	276	380254	13.412	ng	100

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

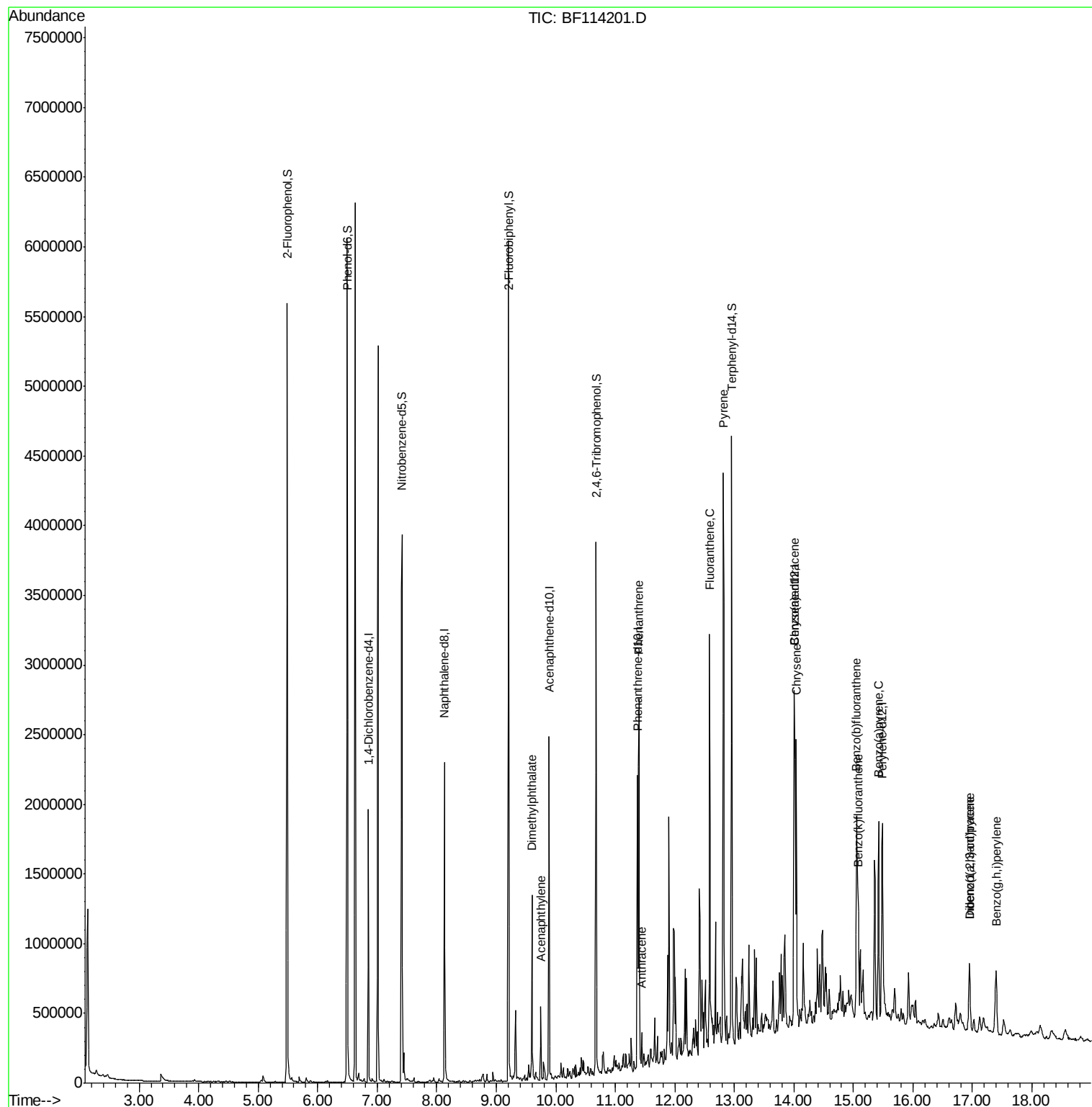
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114201.D
Acq On : 12 May 2019 19:06
Operator : JU/SJ
Sample : K2768-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

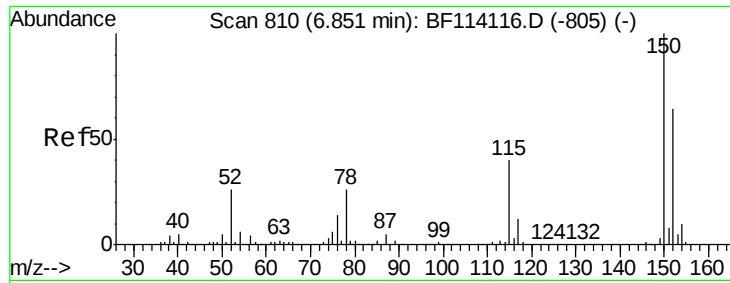
Instrument :
BNA_F
ClientSampleId :
P026-SS016-0206-01

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Quant Time: May 13 09:28:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

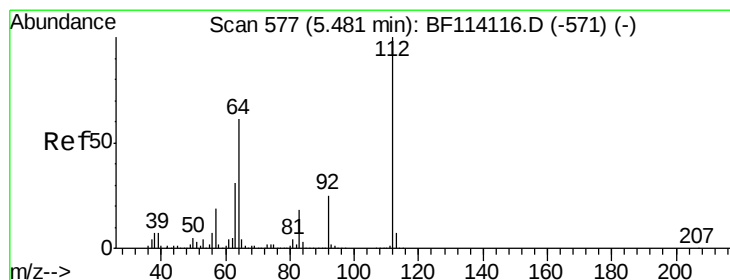
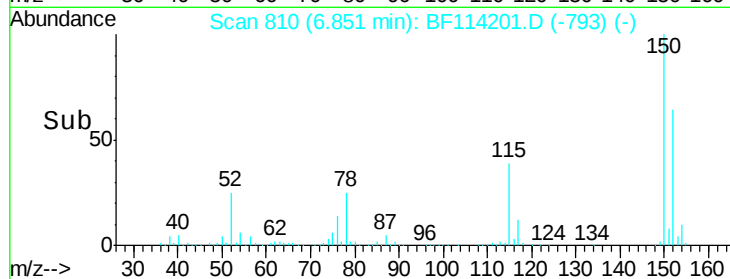
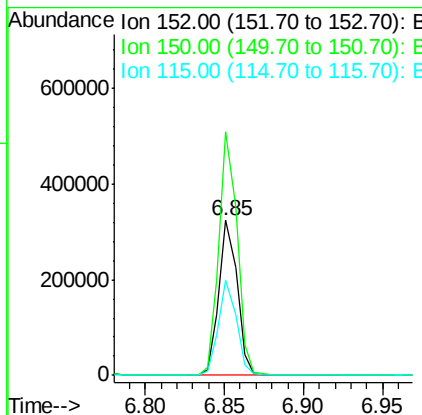
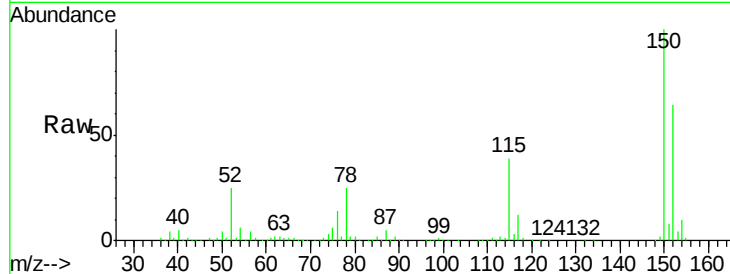
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114201.D
Acq: 12 May 2019 19:06

Instrument :
BNA_F
ClientSampleId :
P026-SS016-0206-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.3	186.5
115	61.2	49.1	73.7

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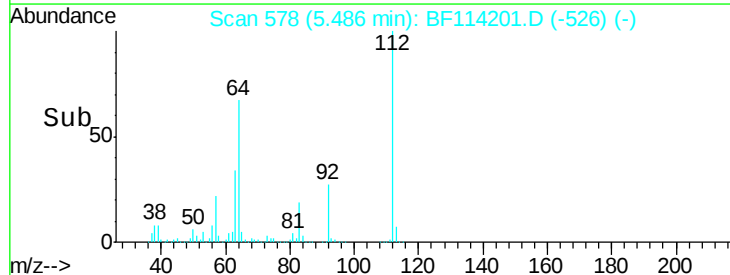
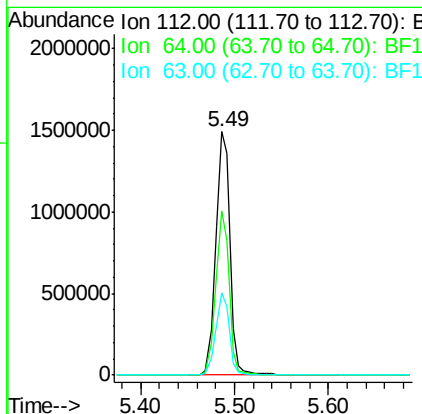
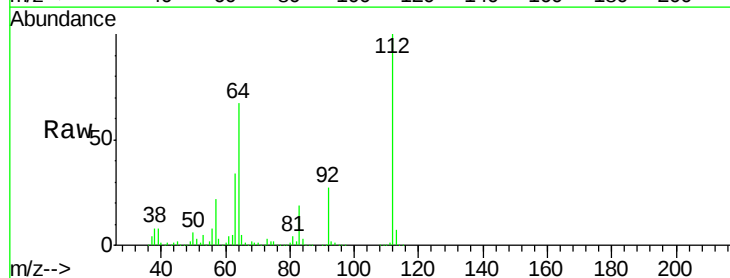
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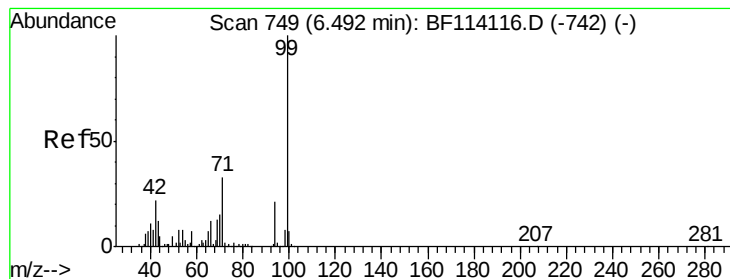


#5

2-Fluorophenol
Concen: 98.057 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF114201.D
Acq: 12 May 2019 19:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	49.0	73.6
63	33.9	24.6	37.0





#7

Phenol-d6

Concen: 109.706 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Instrument :

BNA_F

ClientSampleId :

P026-SS016-0206-01

Tot Ion: 99 Resp: 2114208

Ion Ratio Lower Upper

99 100

42 21.8 17.9 26.9

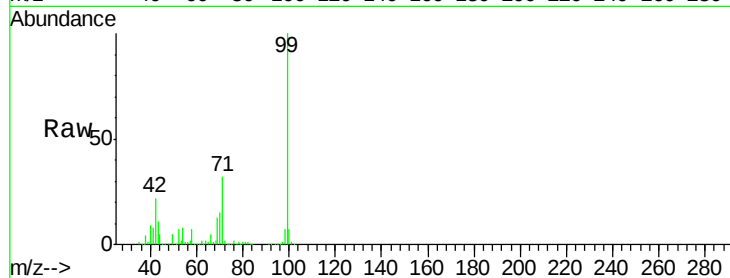
71 32.2 26.2 39.2

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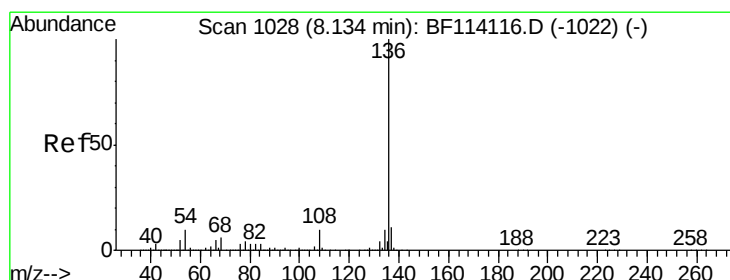
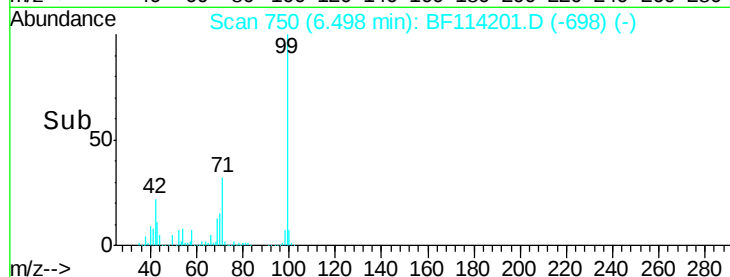
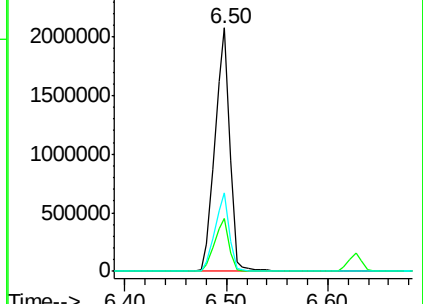
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Tgt Ion: 136 Resp: 980799

Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 9.2 7.8 11.8

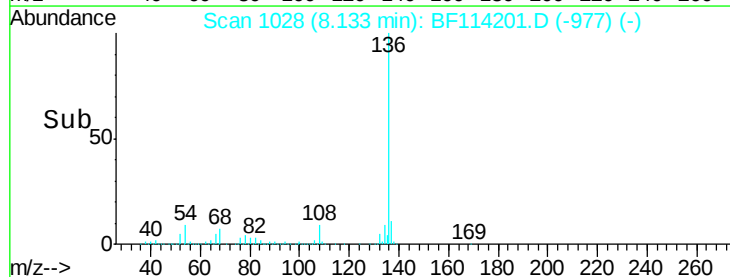
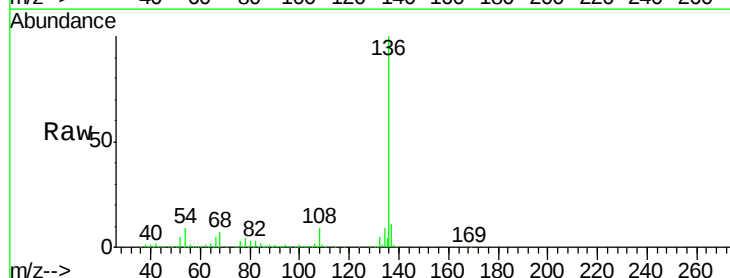
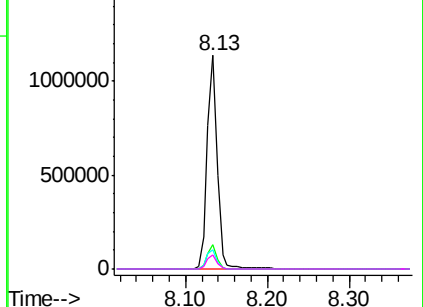
68 6.5 5.1 7.7

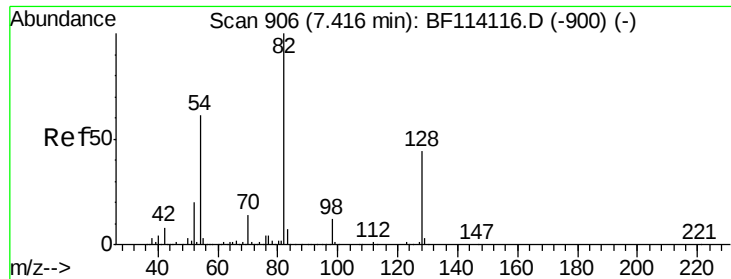
Abundance Ion 136.00 (135.70 to 136.70): E

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





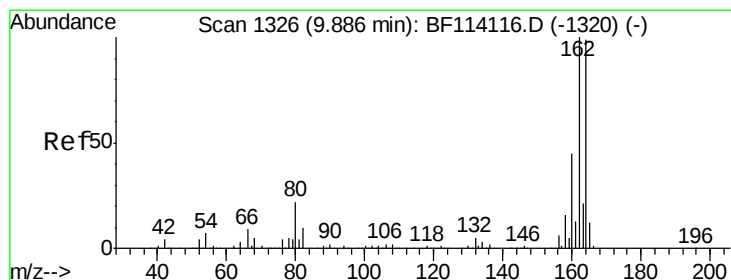
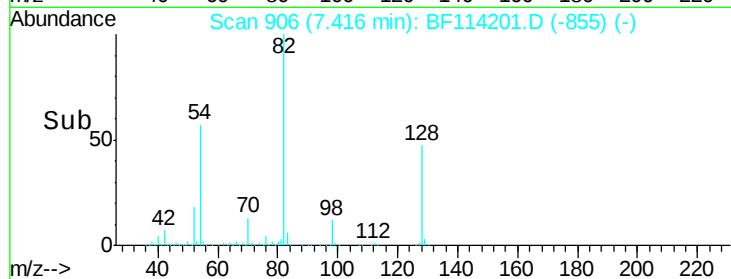
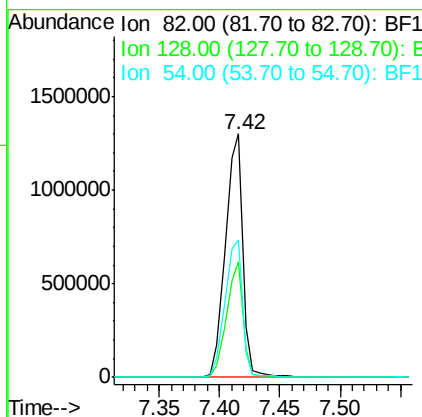
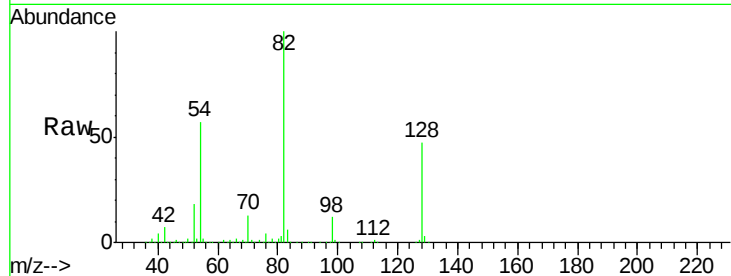
#23
Nitrobenzene-d5
Concen: 74.445 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF114201.D
Acq: 12 May 2019 19:06

Instrument :
BNA_F
ClientSampleId :
P026-SS016-0206-01

Tot Ion	82	Resp	1301068
Ion Ratio	100	Lower	Upper
128	47.3	35.5	53.3
54	56.7	48.5	72.7

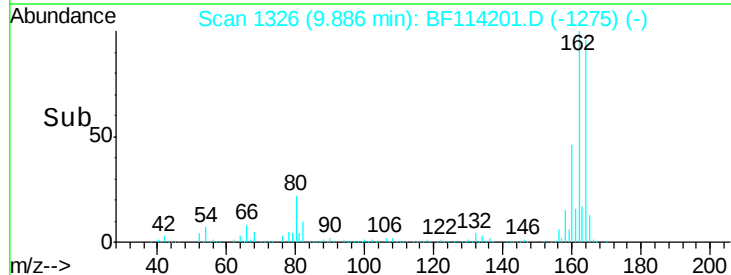
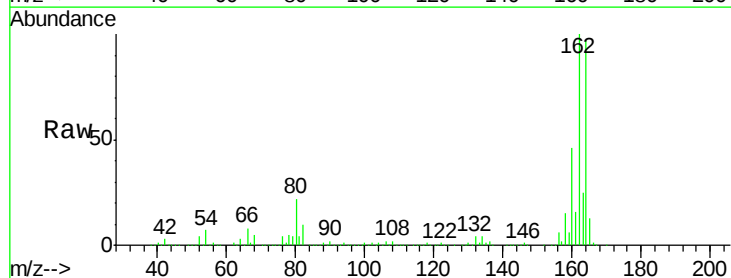
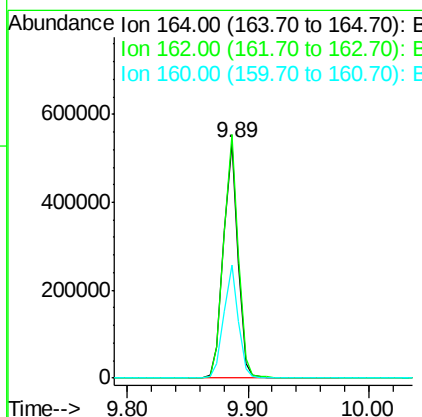
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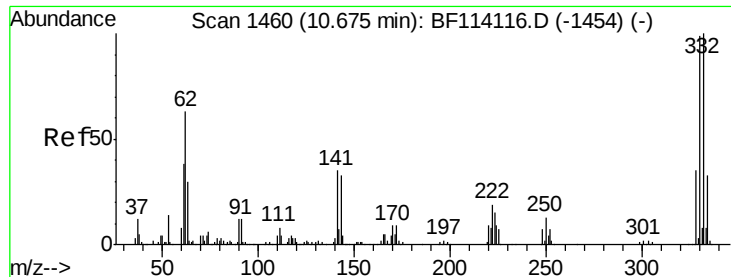
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114201.D
Acq: 12 May 2019 19:06

Tgt Ion	164	Resp	444712
Ion Ratio	100	Lower	Upper
162	103.5	80.6	120.8
160	47.9	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 103.920 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.01 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Instrument :

BNA_F

ClientSampleId :

P026-SS016-0206-01

Tot Ion:330 Resp: 477782

Ion Ratio Lower Upper

330 100

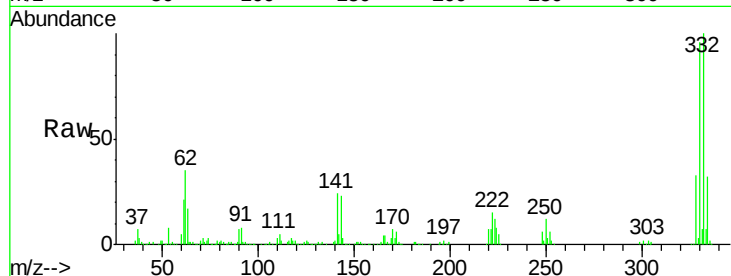
332 101.6 81.4 122.2

141 31.4 26.6 40.0

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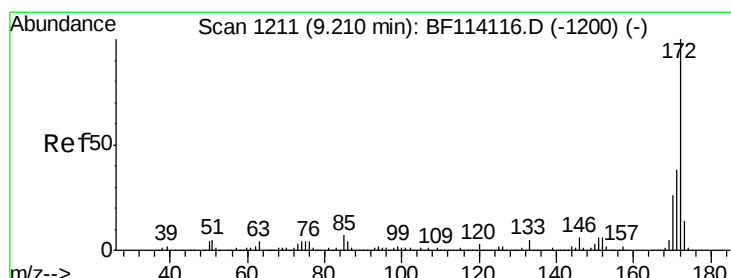
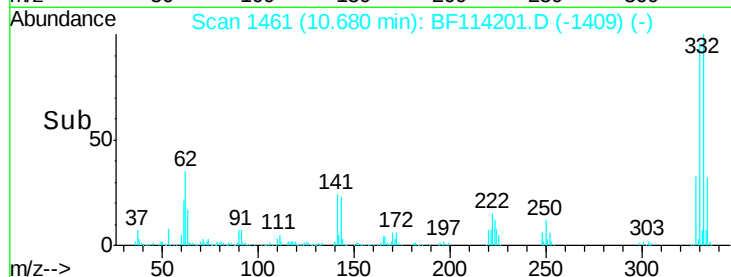
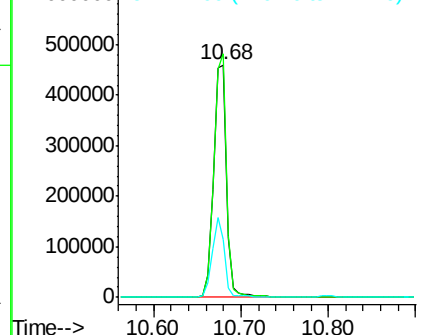
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 68.676 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.00 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

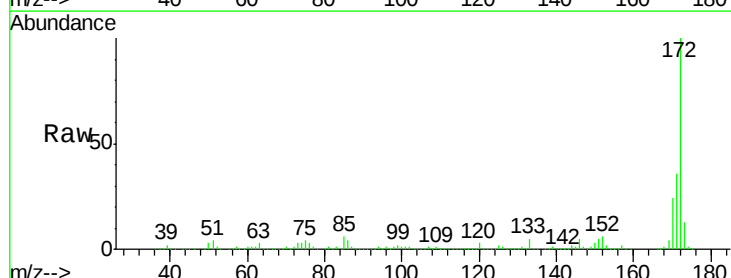
Tgt Ion:172 Resp: 2019008

Ion Ratio Lower Upper

172 100

171 36.4 30.7 46.1

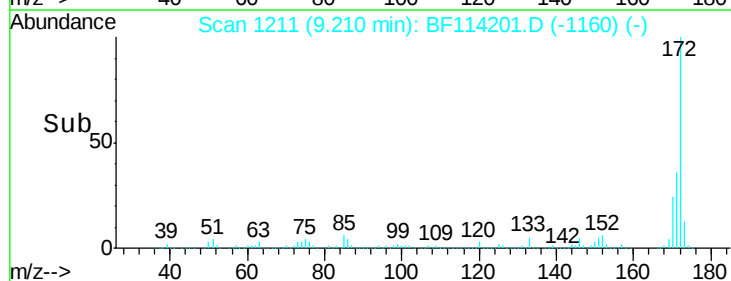
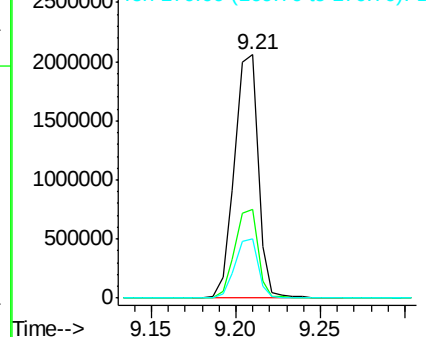
170 24.2 20.5 30.7

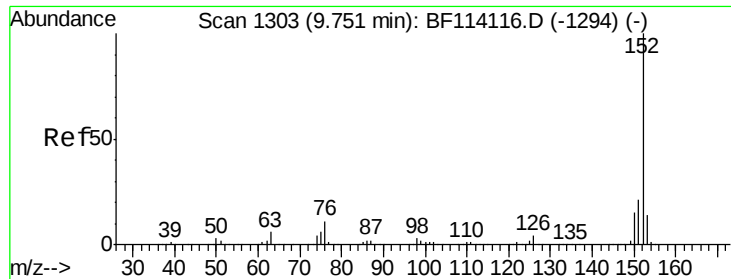


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 4.593 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Instrument :

BNA_F

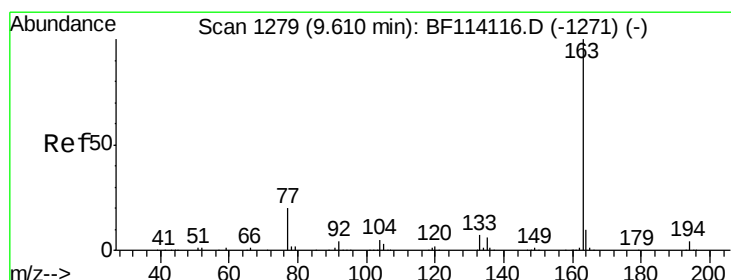
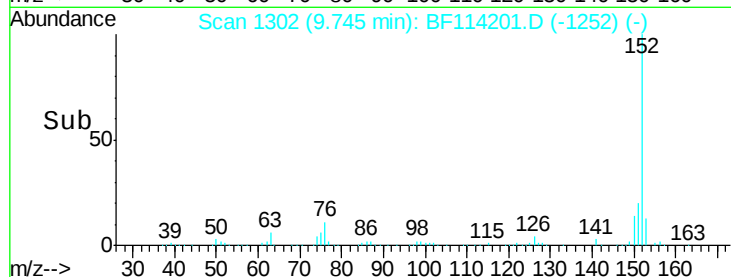
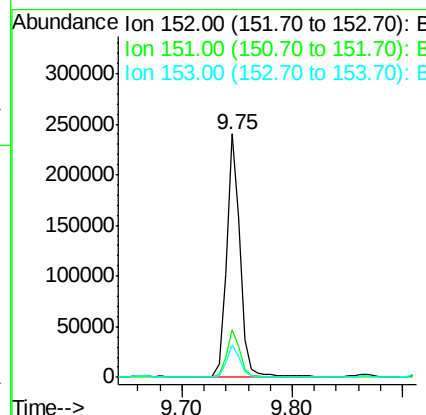
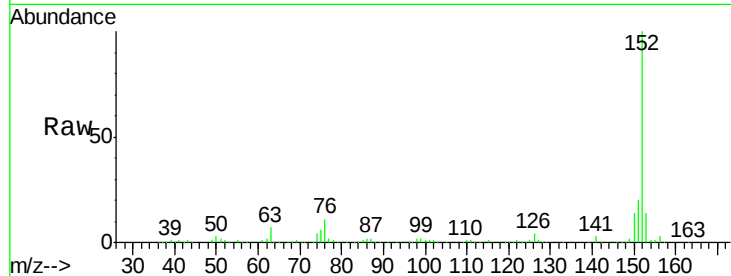
ClientSampleId :

P026-SS016-0206-01

Tot Ion:	152	Resp:	201965
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.8	25.2
153	13.5	11.4	17.2

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#50

Dimethylphthalate

Concen: 14.588 ng

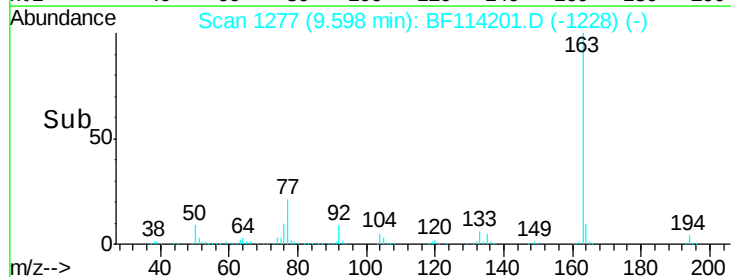
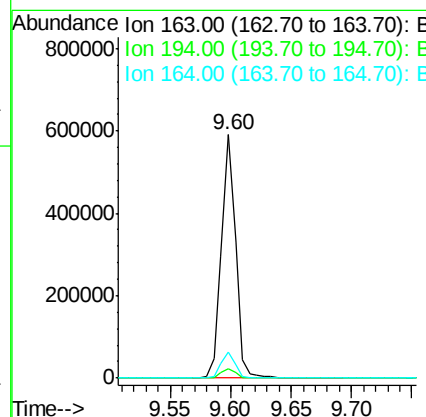
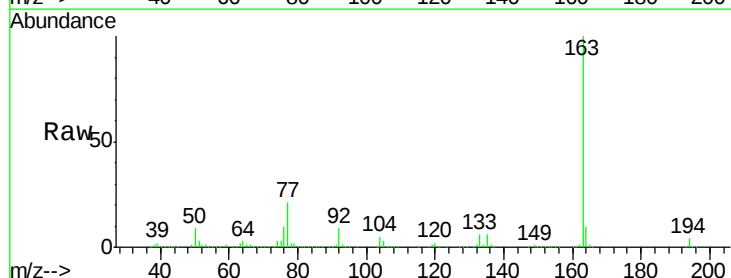
RT: 9.60 min Scan# 1277

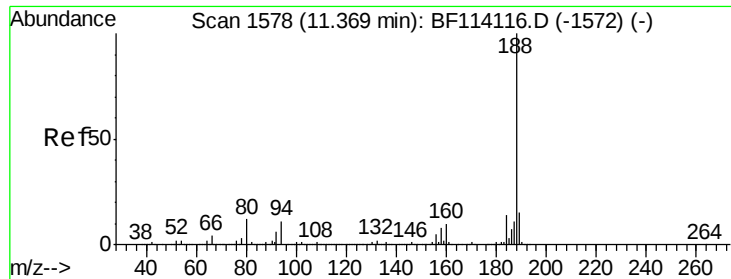
Delta R.T. -0.01 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Tgt Ion:	163	Resp:	476229
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.4	5.0
164	10.4	8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Instrument :

BNA_F

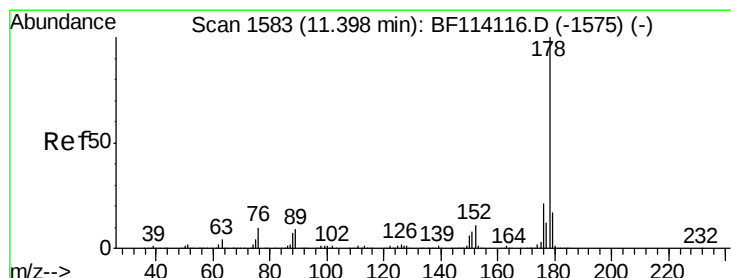
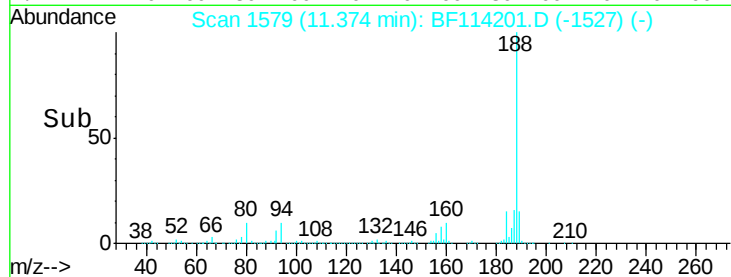
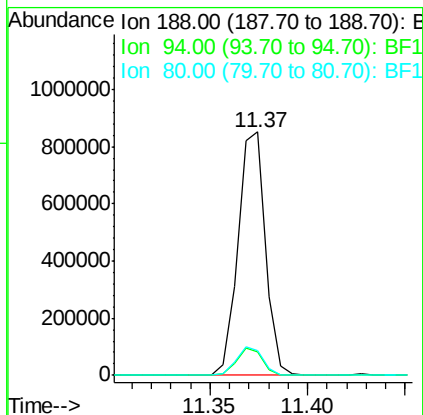
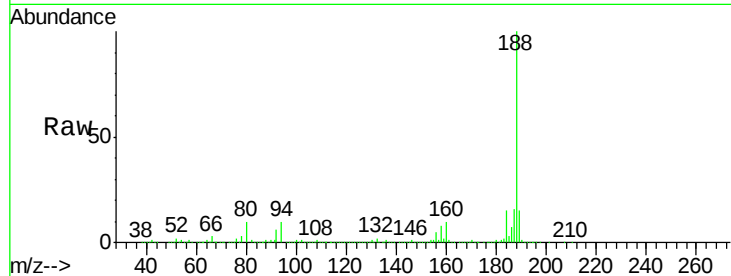
ClientSampleId :

P026-SS016-0206-01

Tot Ion:	188	Resp:	826218
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.4	12.6
80	10.0	9.2	13.8

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#71

Phenanthrene

Concen: 23.816 ng

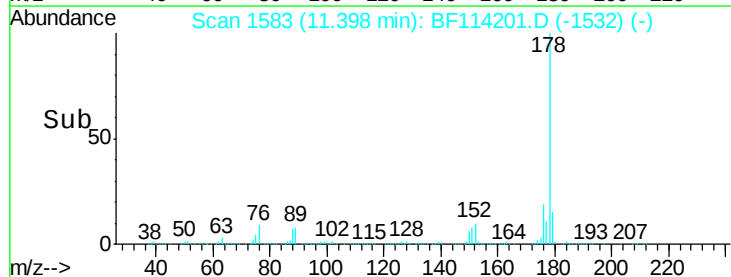
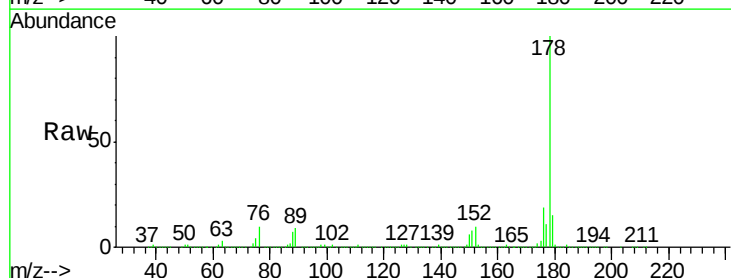
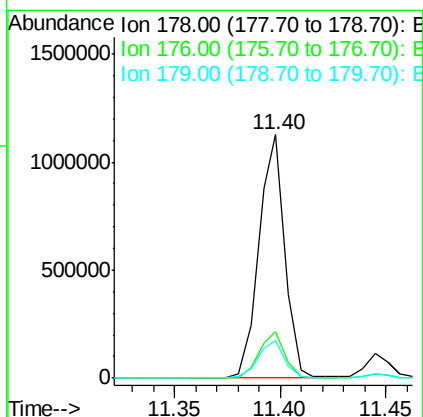
RT: 11.40 min Scan# 1583

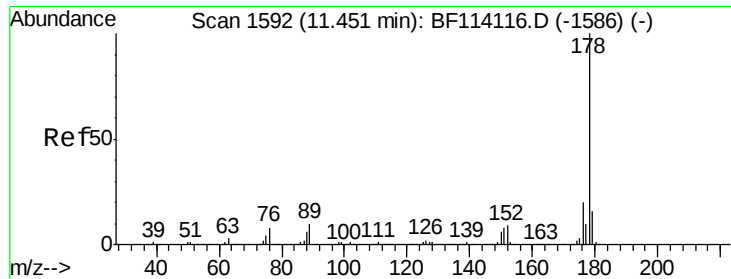
Delta R.T. -0.00 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Tgt Ion:	178	Resp:	957333
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.4	24.6
179	15.4	13.2	19.8





#72

Anthracene

Concen: 2.109 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Instrument :

BNA_F

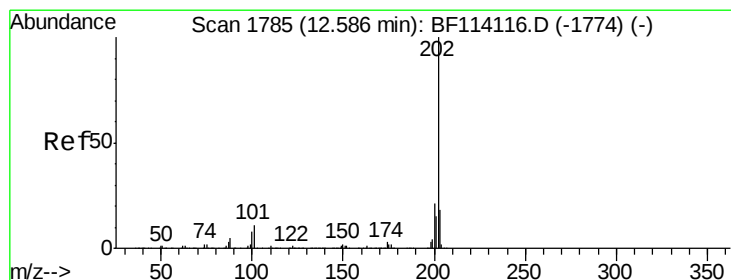
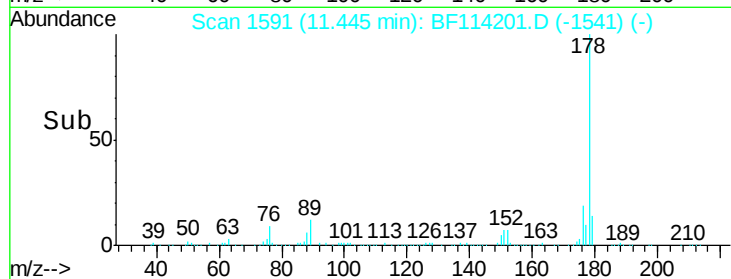
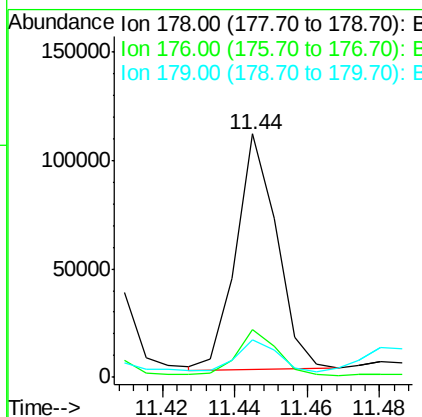
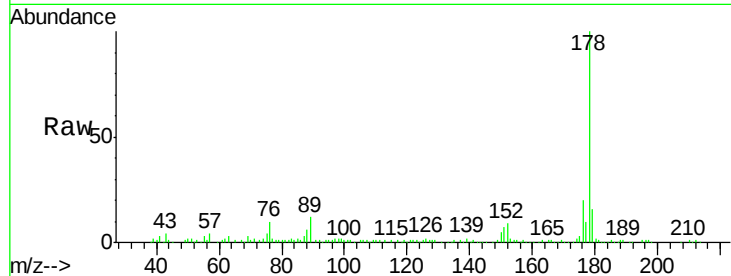
ClientSampleId :

P026-SS016-0206-01

Tot Ion:	178	Resp:	85156
Ion Ratio		Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.6	13.0	19.4

Manual Integrations
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#75

Fluoranthene

Concen: 24.649 ng

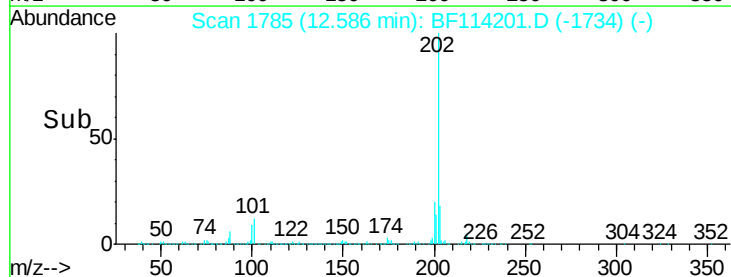
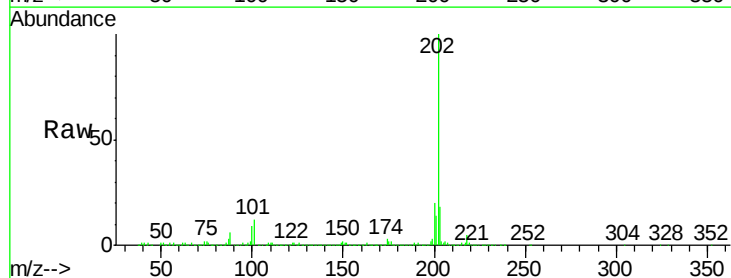
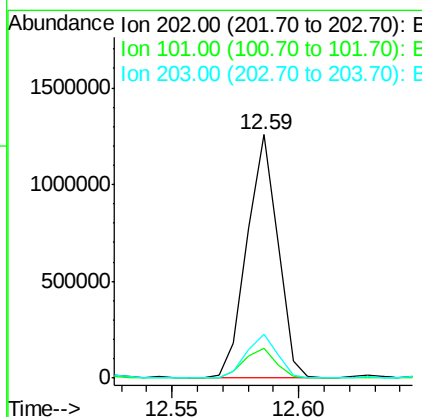
RT: 12.59 min Scan# 1785

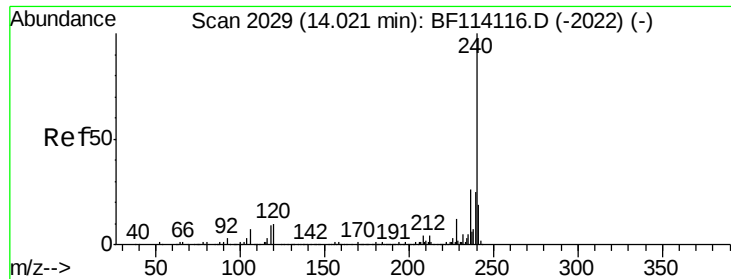
Delta R.T. -0.00 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Tgt Ion:	202	Resp:	1066955
Ion Ratio		Lower	Upper
202	100		
101	12.3	0.0	31.0
203	18.1	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Instrument :

BNA_F

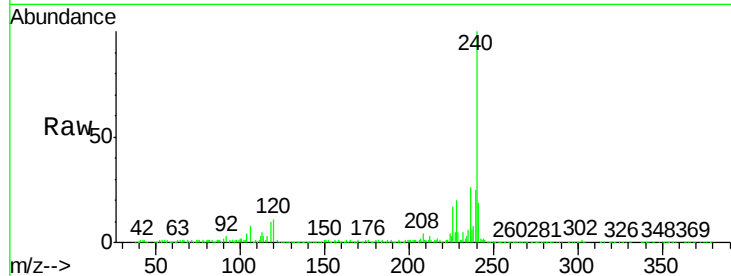
ClientSampleId :

P026-SS016-0206-01

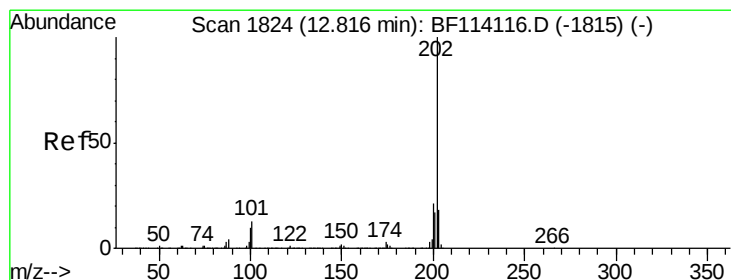
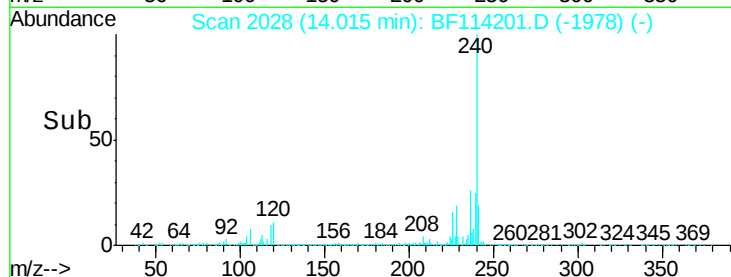
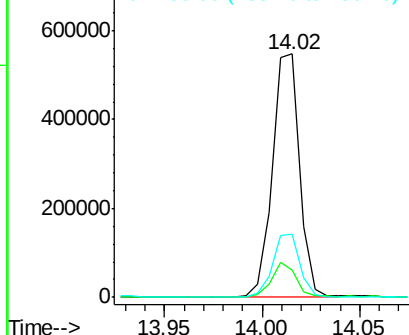
Tot Ion:	240	Resp:	524324
Ion Ratio	Lower	Upper	
240	100		
120	11.4	8.3	12.5
236	25.9	20.8	31.2

Manual Integrations
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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: 40.375 ng

RT: 12.82 min Scan# 1824

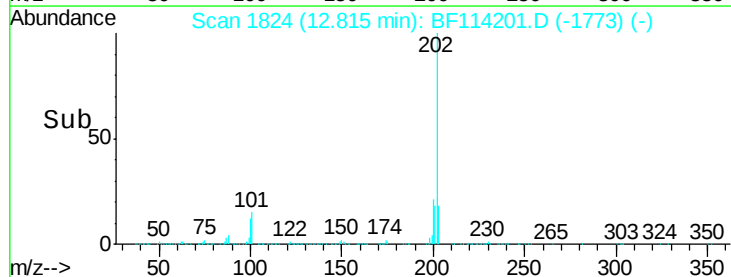
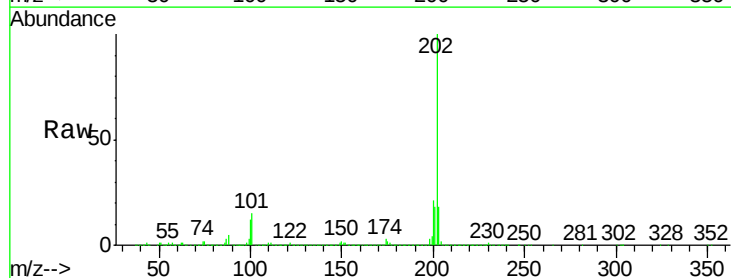
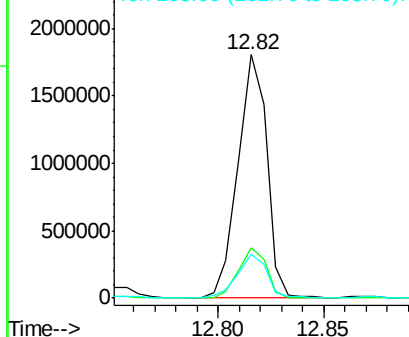
Delta R.T. -0.00 min

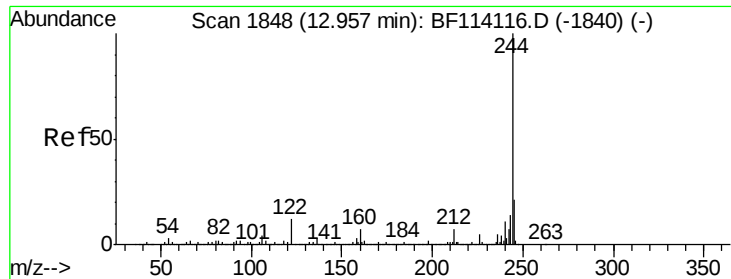
Lab File: BF114201.D

Acq: 12 May 2019 19:06

Tgt Ion:	202	Resp:	1702997
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.9	25.3
203	18.1	14.5	21.7

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: 63.089 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Instrument :

BNA_F

ClientSampleId :

P026-SS016-0206-01

Tot Ion:244 Resp: 1604660

Ion Ratio Lower Upper

244 100

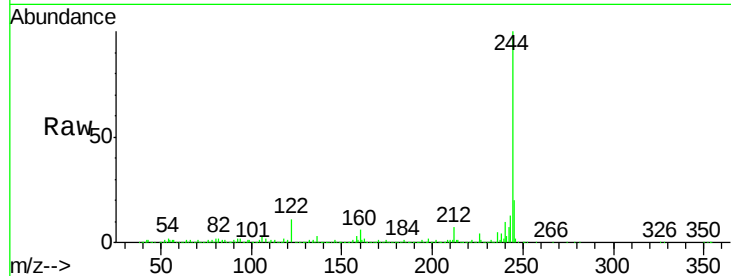
212 6.8 5.8 8.6

122 11.0 9.4 14.2

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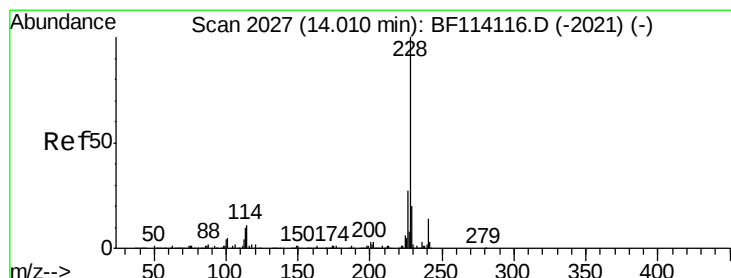
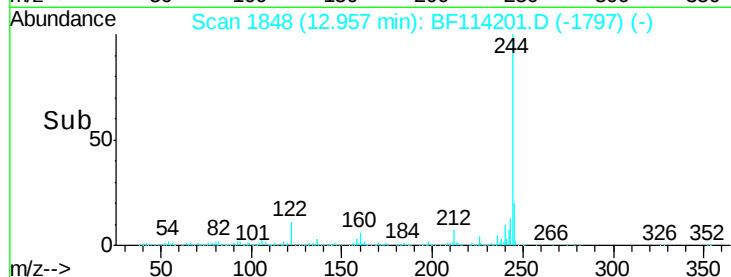
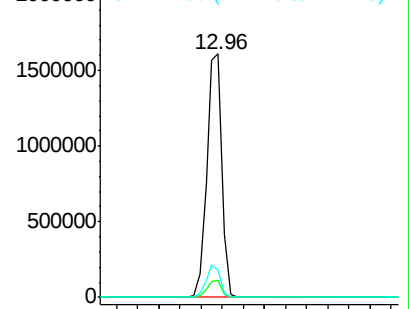
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 17.644 ng m

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

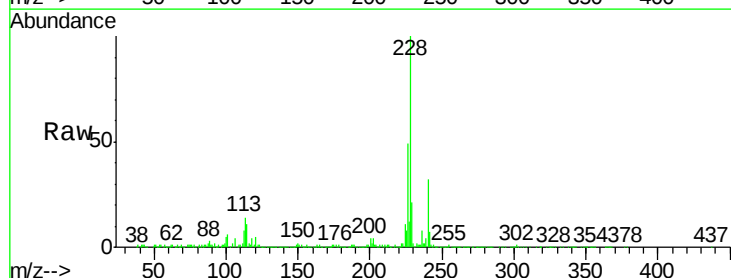
Tgt Ion:228 Resp: 598352

Ion Ratio Lower Upper

228 100

226 49.5 22.2 33.2#

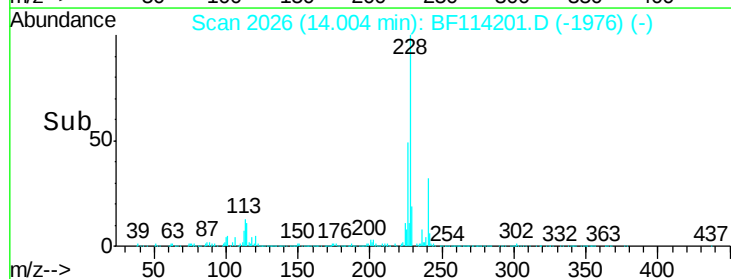
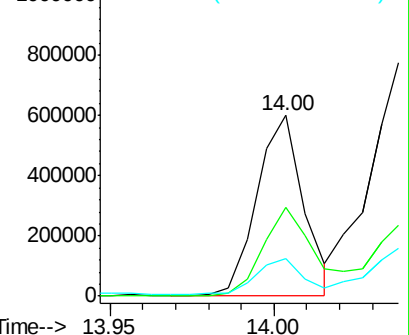
229 20.6 16.4 24.6

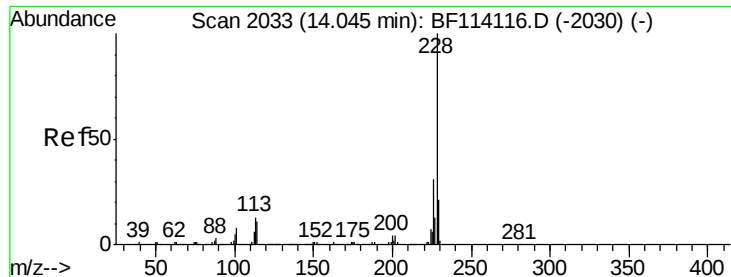


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 23.761 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Instrument :

BNA_F

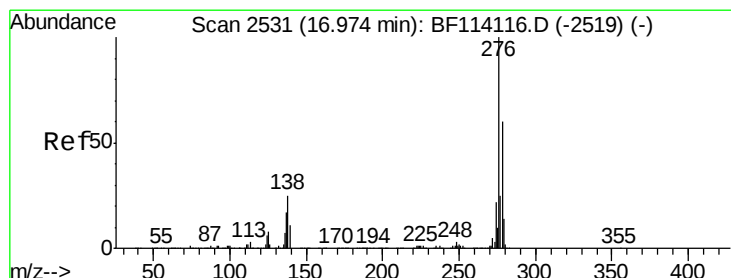
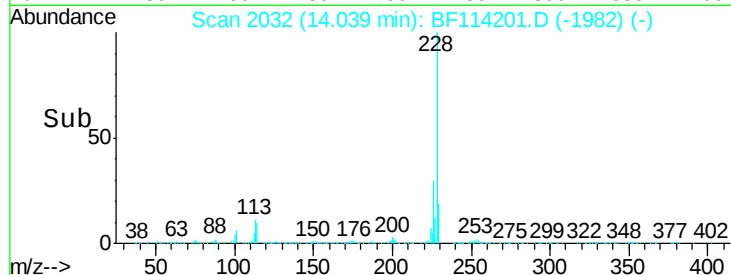
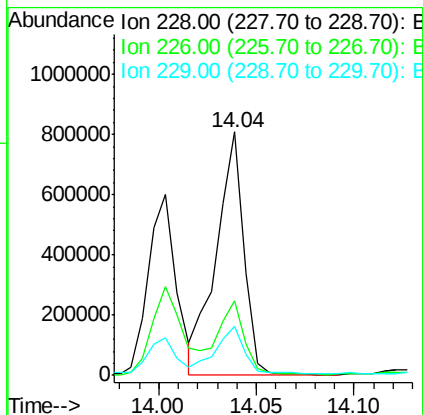
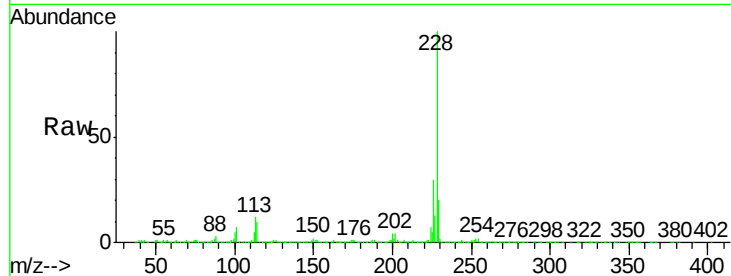
ClientSampleId :

P026-SS016-0206-01

Tot Ion:	228	Resp:	789907
Ion Ratio		Lower	Upper
228	100		
226	30.5	25.0	37.6
229	20.2	17.0	25.6

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 11.580 ng

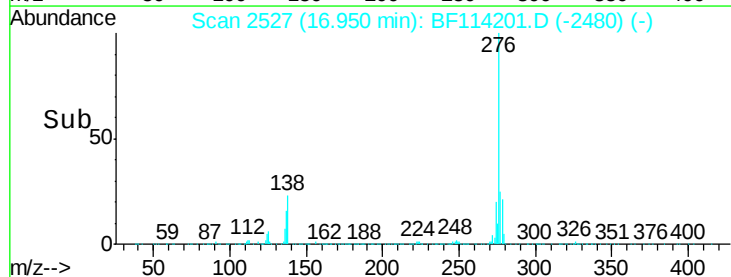
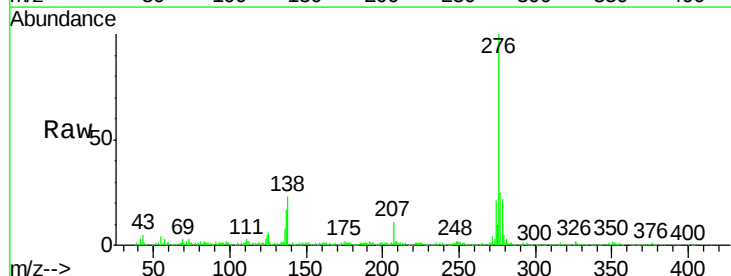
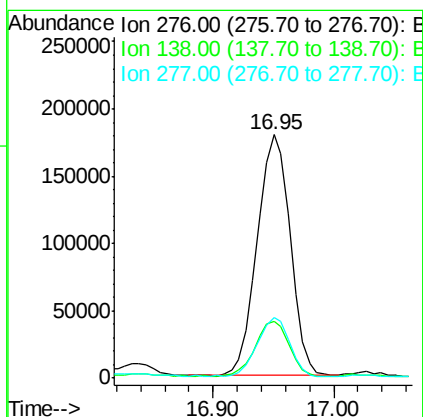
RT: 16.95 min Scan# 2527

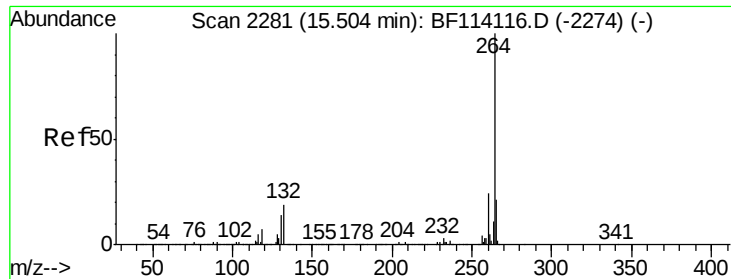
Delta R.T. -0.02 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Tgt Ion:	276	Resp:	340242
Ion Ratio		Lower	Upper
276	100		
138	23.1	20.2	30.2
277	24.3	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Instrument :

BNA_F

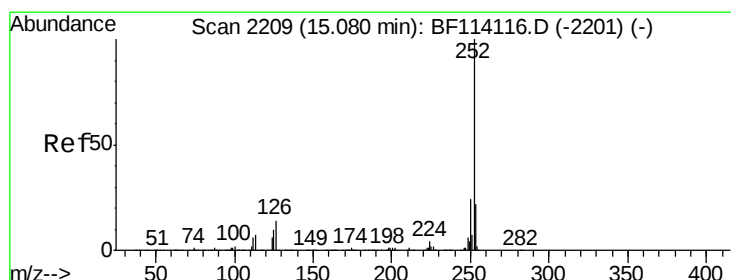
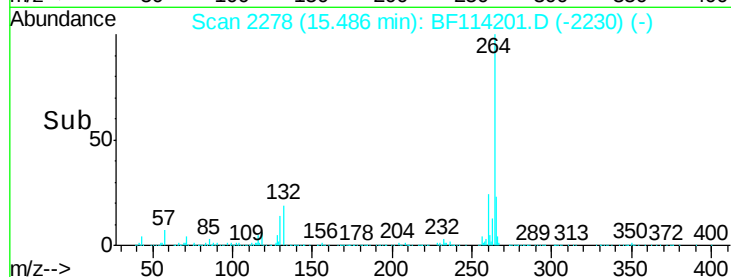
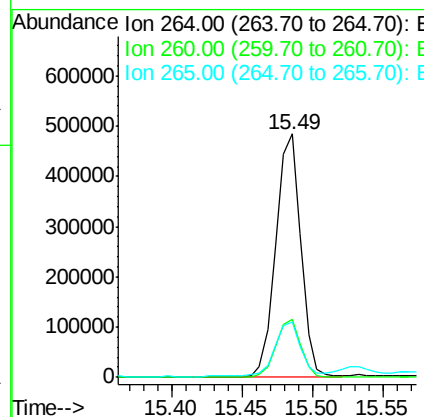
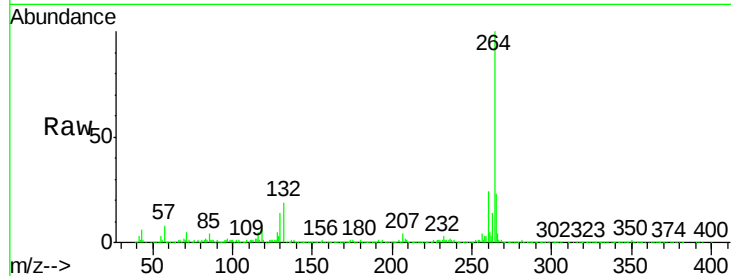
ClientSampleId :

P026-SS016-0206-01

Tot Ion:	264	Resp:	603840
Ion Ratio		Lower	Upper
264	100		
260	23.7	19.4	29.0
265	23.0	16.9	25.3

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 21.342 ng m

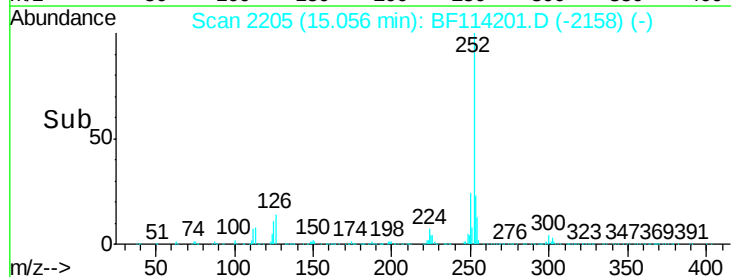
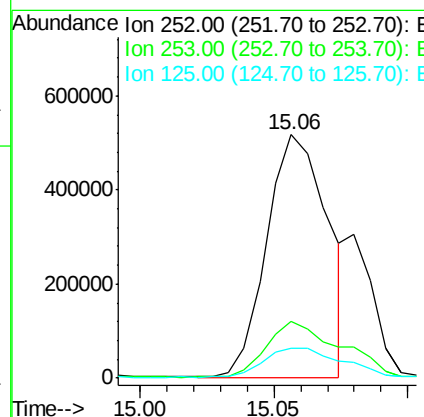
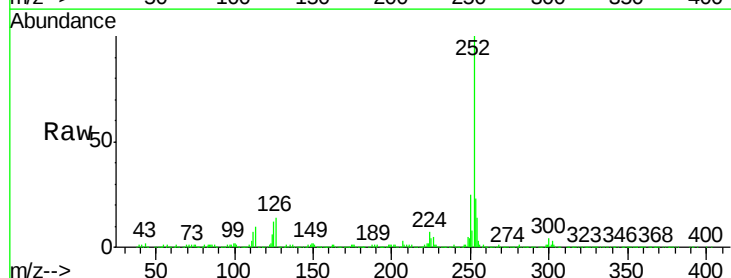
RT: 15.06 min Scan# 2205

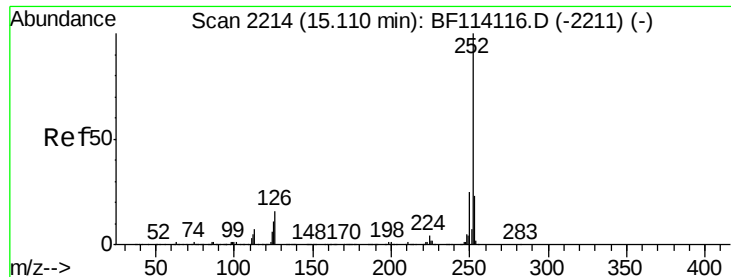
Delta R.T. -0.02 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Tgt Ion:	252	Resp:	825644
Ion Ratio		Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.2	8.3	12.5





#89

Benzo(k)fluoranthene

Concen: 6.024 ng

RT: 15.08 min Scan# 2209

Delta R.T. -0.03 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Instrument :

BNA_F

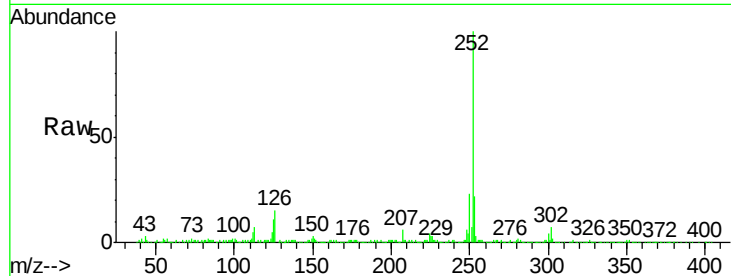
ClientSampleId :

P026-SS016-0206-01

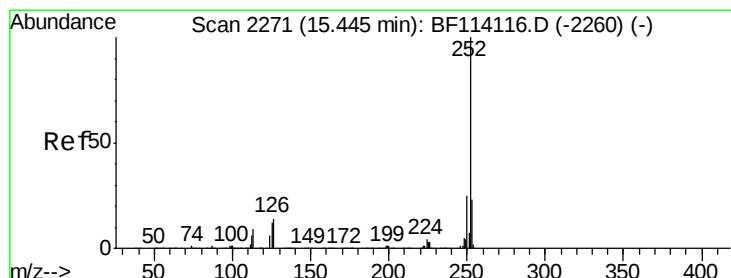
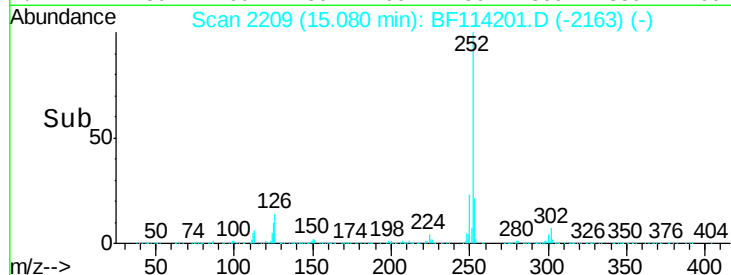
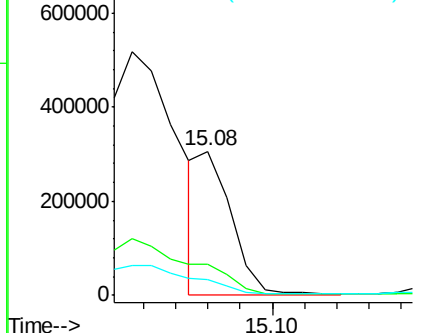
Tot Ion:	252	Resp:	214054
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.2	27.2
125	10.7	8.6	13.0

Manual Integrations
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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: 17.335 ng

RT: 15.42 min Scan# 2267

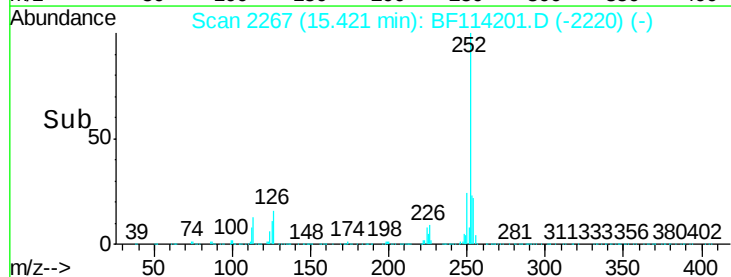
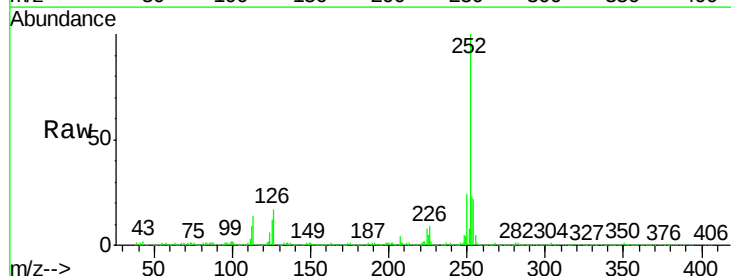
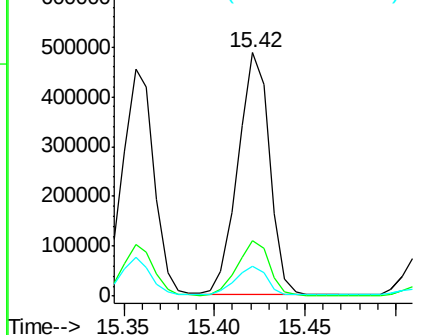
Delta R.T. -0.02 min

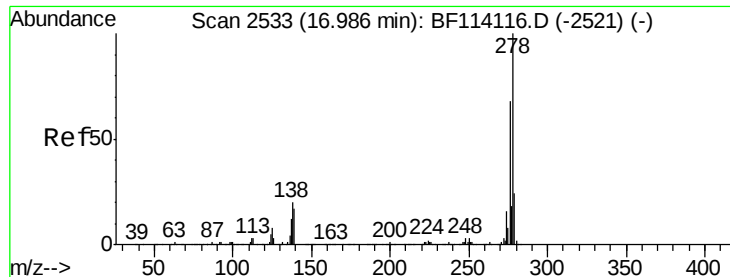
Lab File: BF114201.D

Acq: 12 May 2019 19:06

Tgt Ion:	252	Resp:	590200
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	12.4	9.5	14.3

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: 3.159 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.03 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Instrument :

BNA_F

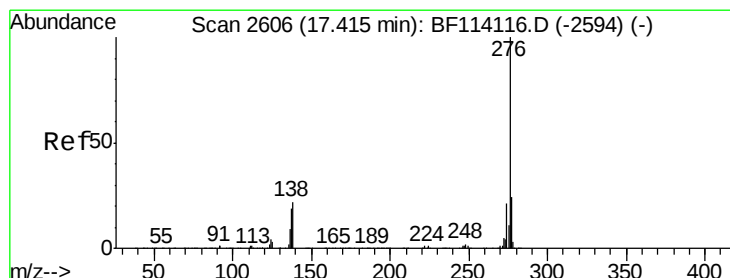
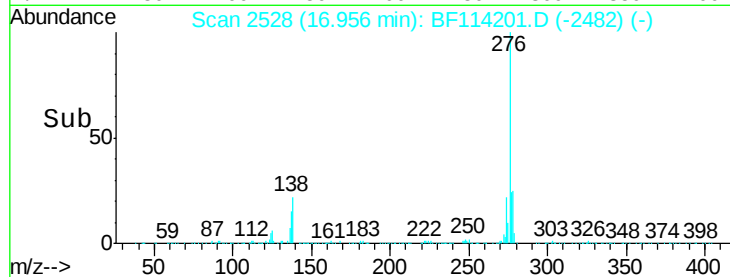
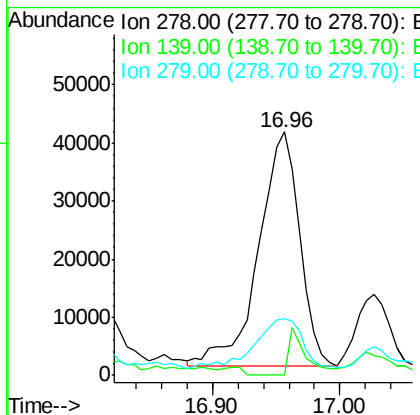
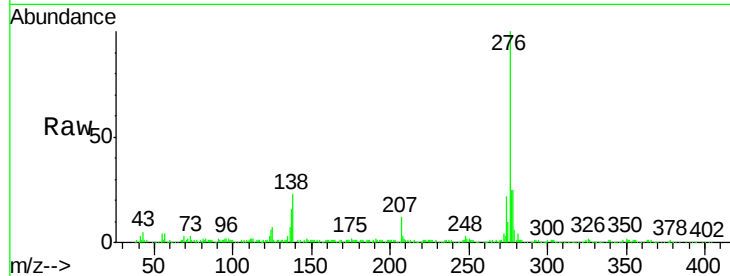
ClientSampleId :

P026-SS016-0206-01

Tot Ion:	278	Resp:	89376
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.5	20.3#
279	23.2	19.0	28.6

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 13.412 ng

RT: 17.40 min Scan# 2603

Delta R.T. -0.02 min

Lab File: BF114201.D

Acq: 12 May 2019 19:06

Tgt Ion:	276	Resp:	380254
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.0	28.4
138	22.0	17.8	26.6

