

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116641.D
 Acq On : 29 Aug 2019 3:18
 Operator : HP/JU
 Sample : K4093-03 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-082619

Manual Integrations
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 8/29/2019 7:47:40 PM

Quant Time: Aug 29 04:54:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	75020	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	206062	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	110919	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	170796	20.00	ng	0.00
76) Chrysene-d12	14.02	240	182303	20.00	ng	0.00
87) Perylene-d12	15.47	264	202056	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	114796	26.43	ng	0.00
7) Phenol-d6	6.48	99	154240	26.19	ng	-0.01
23) Nitrobenzene-d5	7.42	82	43944	12.20	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	16579	15.71	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	91128	13.67	ng	0.00
79) Terphenyl-d14	12.96	244	77095	6.88	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
52) Acenaphthene	9.93	154	19822	3.037	ng	99
58) Fluorene	10.45	166	30784	4.614	ng	98
71) Phenanthrene	11.40	178	297483	32.427	ng	99
72) Anthracene	11.46	178	105909	11.546	ng	99
75) Fluoranthene	12.59	202	506807	61.599	ng	99
78) Pyrene	12.82	202	538173	32.104	ng	98
81) Benzo(a)anthracene	14.00	228	458366	37.712	ng	97
83) Chrysene	14.04	228	391570	32.909	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	73415	11.191	ng	# 92
88) Benzo(b)fluoranthene	15.05	252	508543m	40.984	ng	
89) Benzo(k)fluoranthene	15.07	252	151479m	12.843	ng	
90) Benzo(a)pyrene	15.42	252	297298	26.846	ng	97
91) Dibenzo(a,h)anthracene	16.94	278	21868m	2.116	ng	
92) Benzo(g,h,i)perylene	17.37	276	65022	6.052	ng	97

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

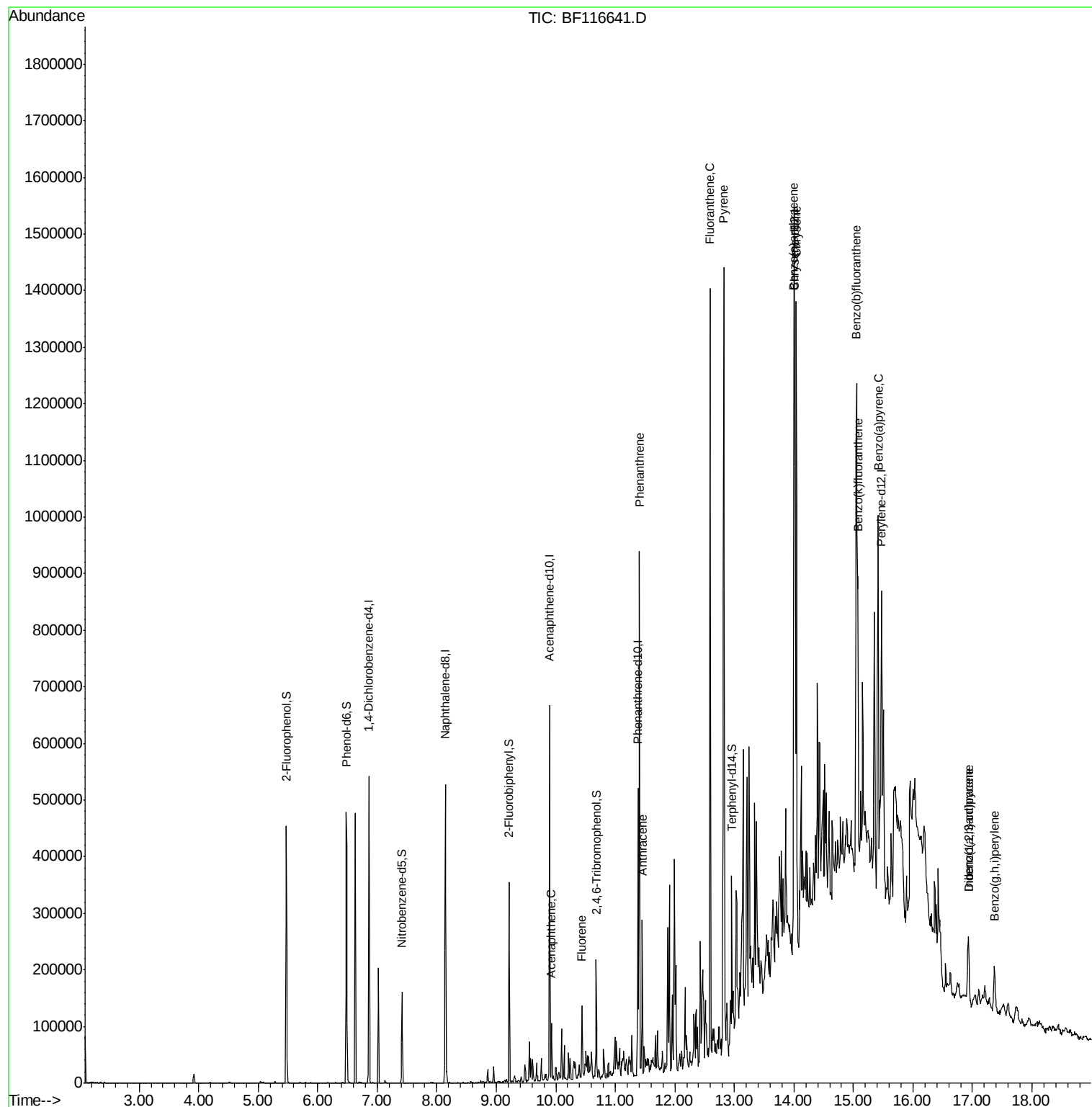
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
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ALS Vial : 23 Sample Multiplier: 1

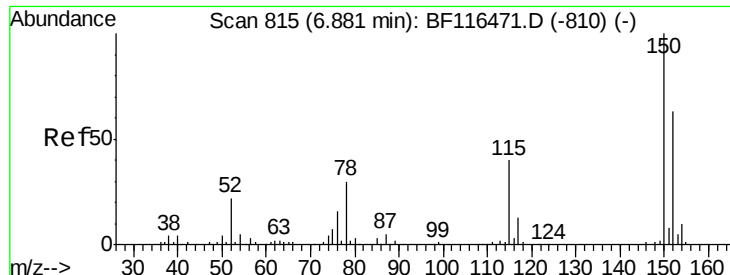
Instrument :
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#1

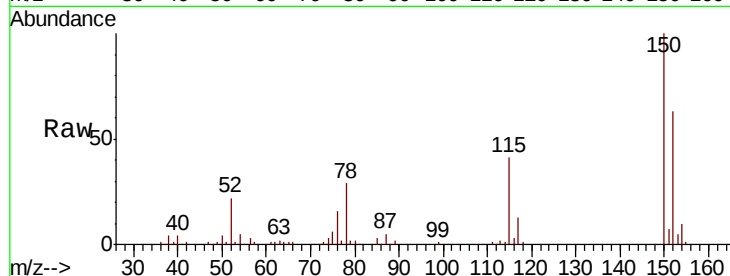
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116641.D
Acq: 29 Aug 2019 3:18

Instrument :
BNA_F
ClientSampleId :
PL-02-082619

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	123.4	185.2
115	64.5	48.2	72.2

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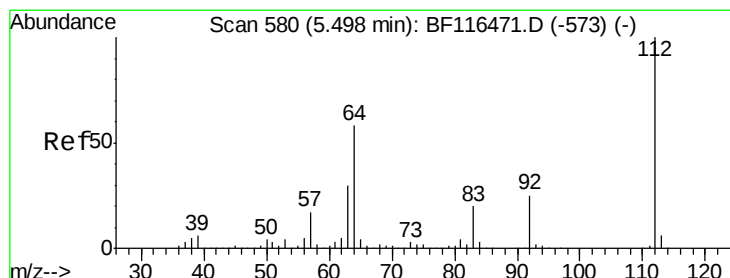
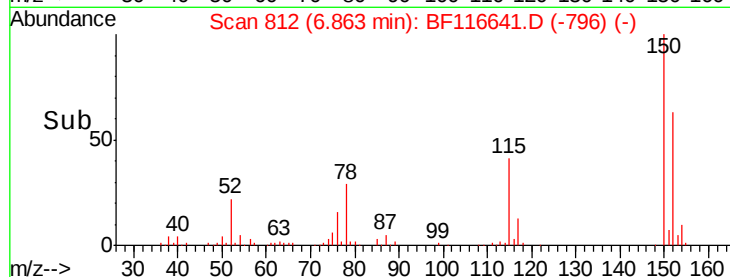
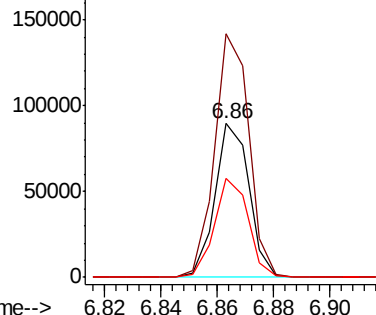


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

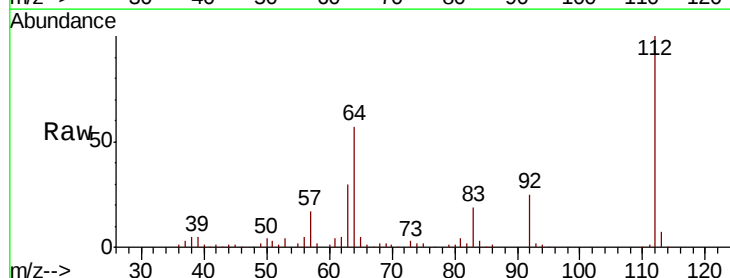
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 26.430 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF116641.D
Acq: 29 Aug 2019 3:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	48.0	72.0
63	29.7	24.6	36.8

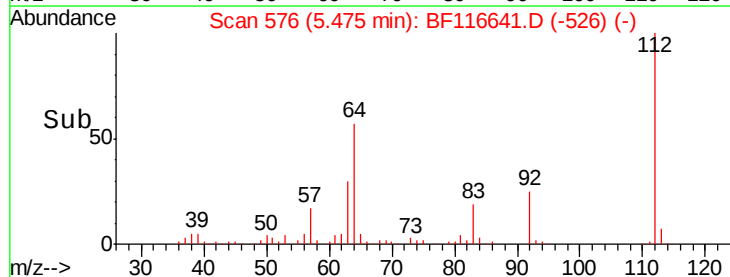
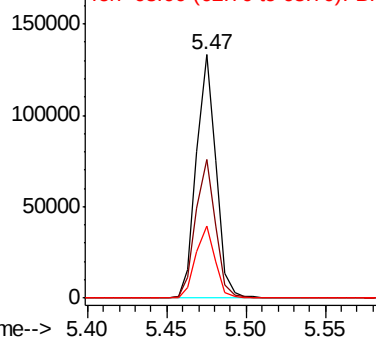


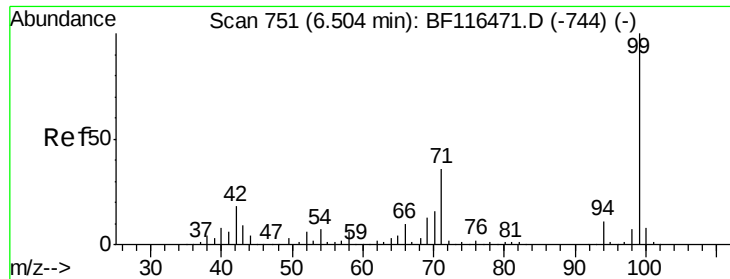
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 26.193 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116641.D

Acq: 29 Aug 2019 3:18

Instrument :

BNA_F

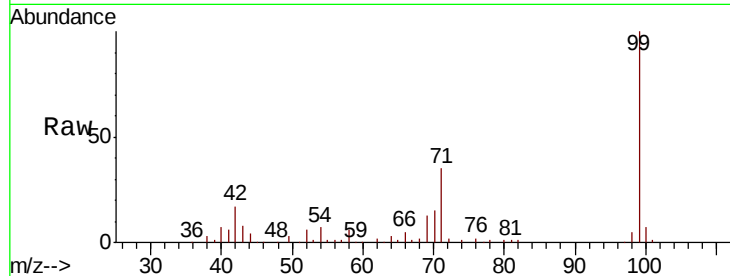
ClientSampleId :

PL-02-082619

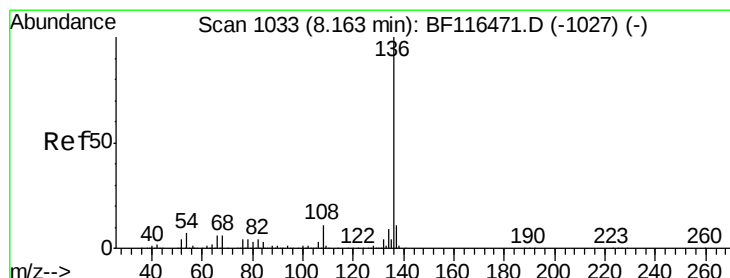
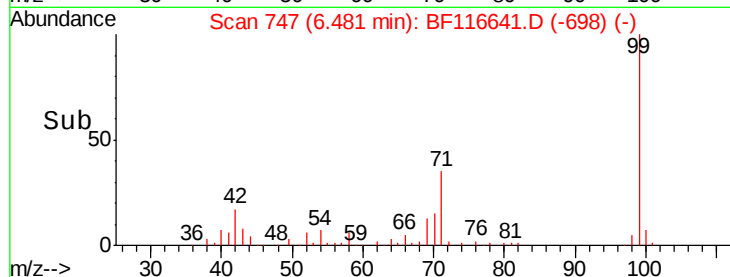
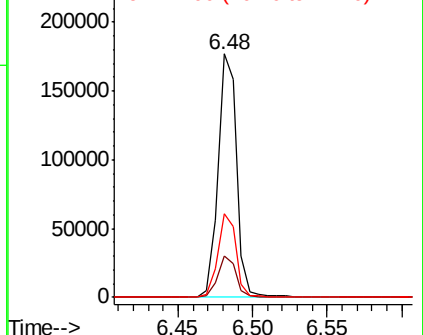
Tot Ion:	99	Resp:	154240
Ion Ratio	Lower	Upper	
99	100		
42	16.8	13.2	19.8
71	34.5	27.4	41.2

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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: 8.15 min Scan# 1030

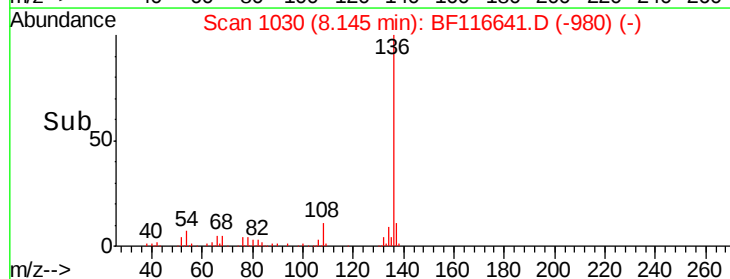
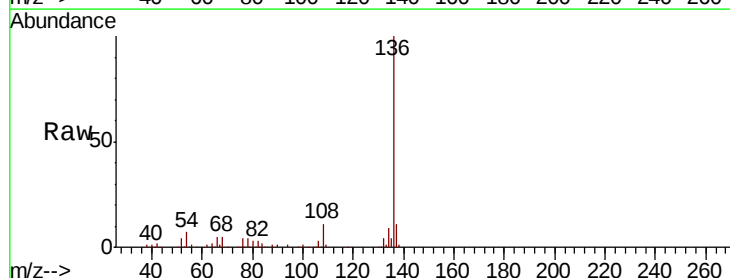
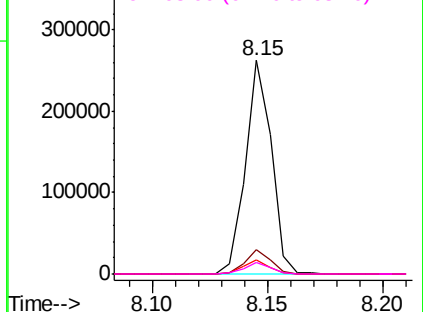
Delta R.T. -0.01 min

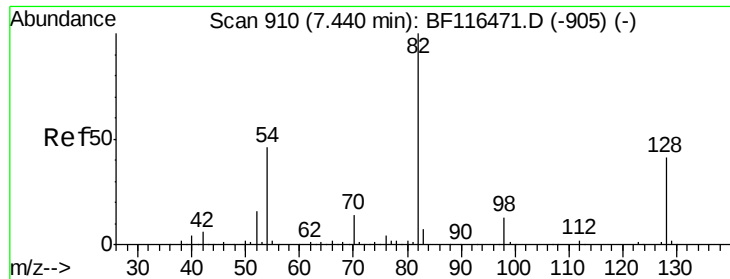
Lab File: BF116641.D

Acq: 29 Aug 2019 3:18

Tgt Ion:	136	Resp:	206062
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.7	13.1
54	6.6	5.0	7.4
68	5.5	4.5	6.7

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





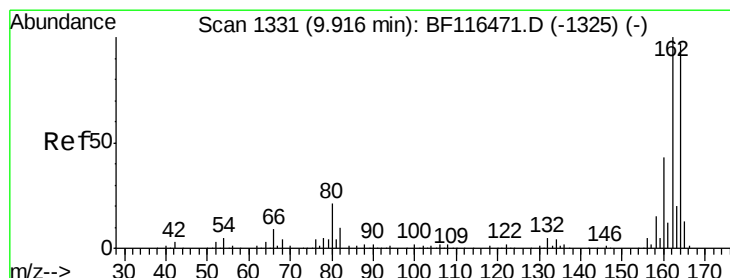
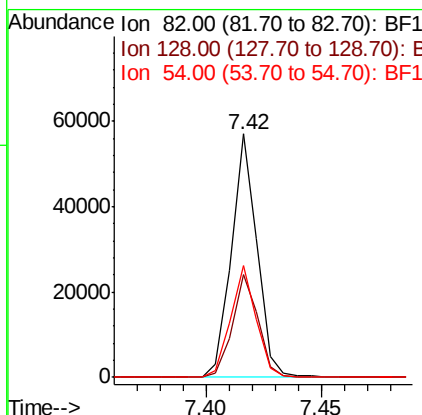
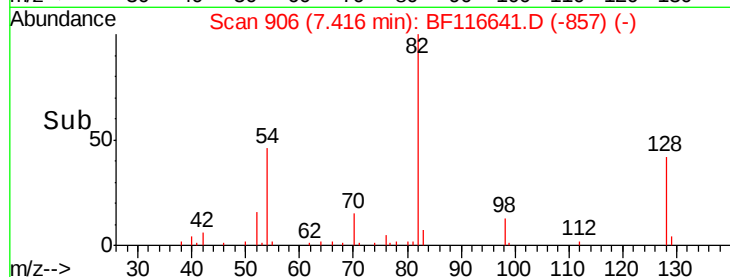
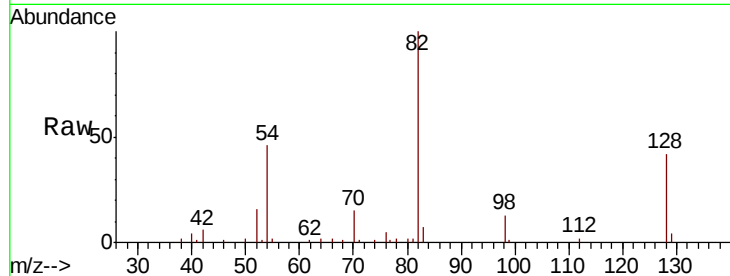
#23
 Nitrobenzene-d5
 Concen: 12.203 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF116641.D
 Acq: 29 Aug 2019 3:18

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-082619

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.1	35.0	52.6
54	45.8	34.4	51.6

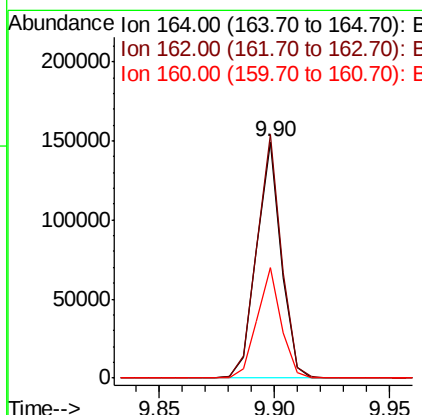
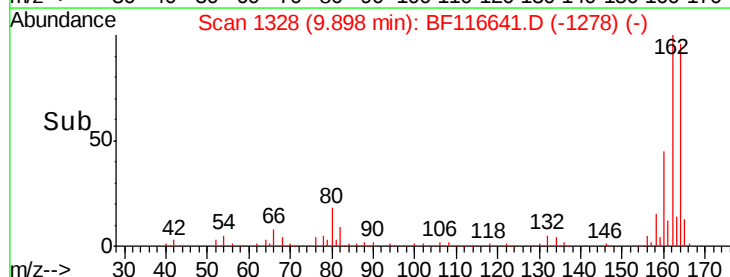
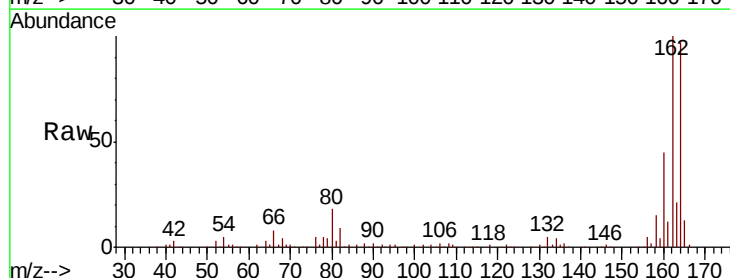
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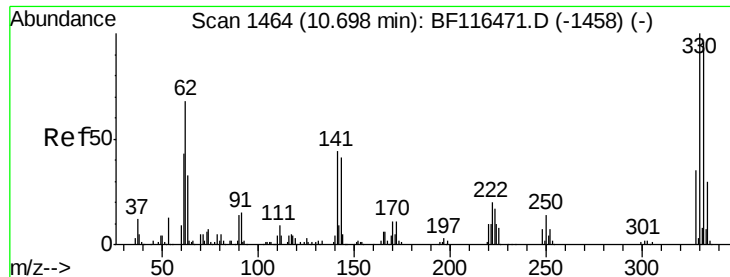
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF116641.D
 Acq: 29 Aug 2019 3:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.4	125.0
160	46.7	37.0	55.4





#42

2,4,6-Tribromophenol

Concen: 15.707 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF116641.D

Acq: 29 Aug 2019 3:18

Instrument :

BNA_F

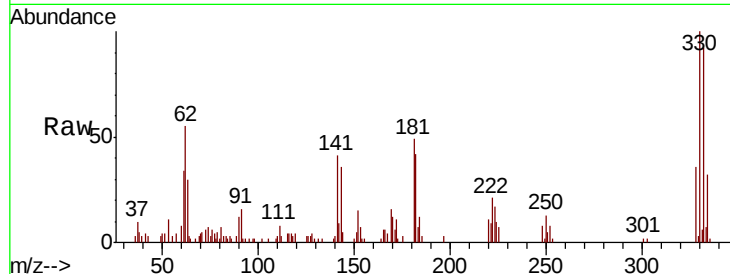
ClientSampled :

PL-02-082619

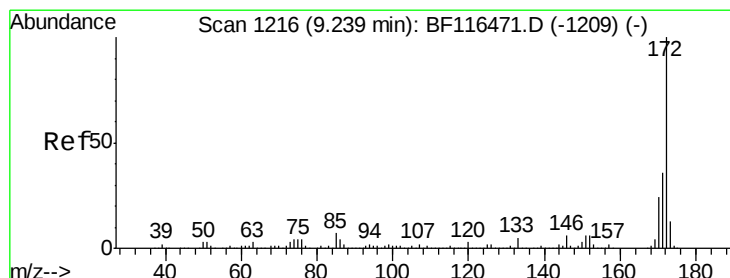
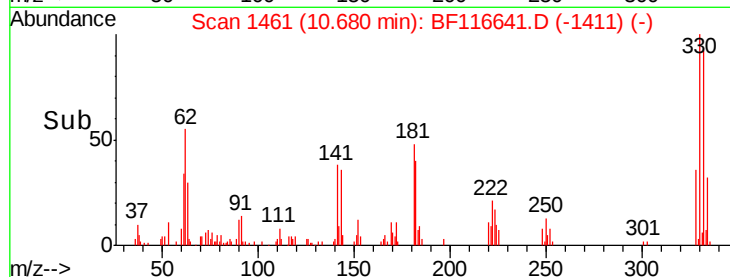
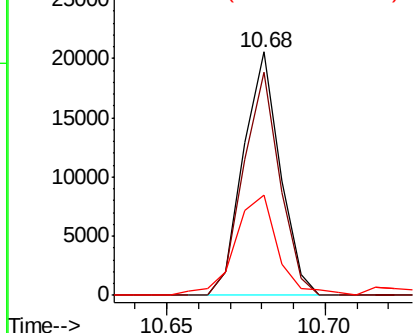
Tot Ion:	330	Resp:	16579
Ion Ratio	Lower	Upper	
330	100		
332	90.2	77.5	116.3
141	47.9	28.2	42.2#

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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: 13.673 ng

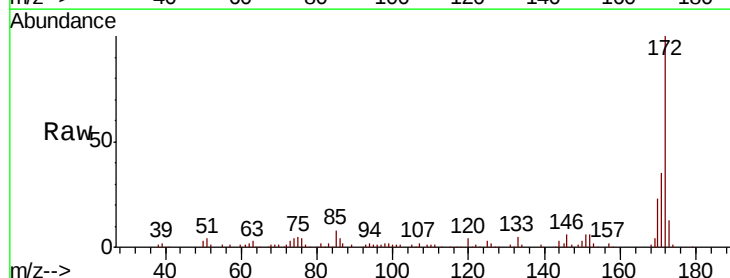
RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

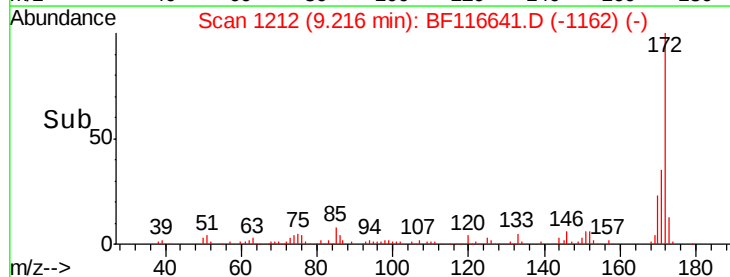
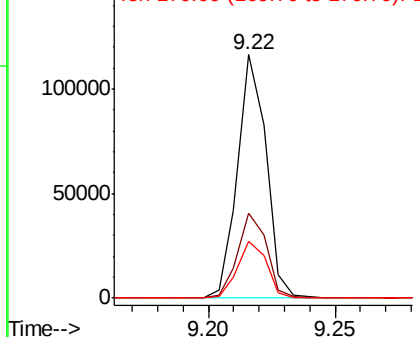
Lab File: BF116641.D

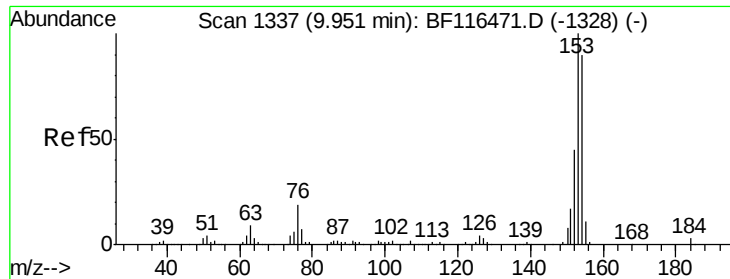
Acq: 29 Aug 2019 3:18

Tgt Ion:	172	Resp:	91128
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.0	43.6
170	23.1	19.3	28.9



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#52

Acenaphthene

Concen: 3.037 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF116641.D

Acq: 29 Aug 2019 3:18

Instrument :

BNA_F

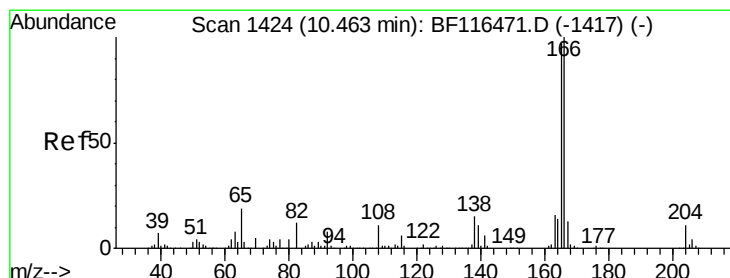
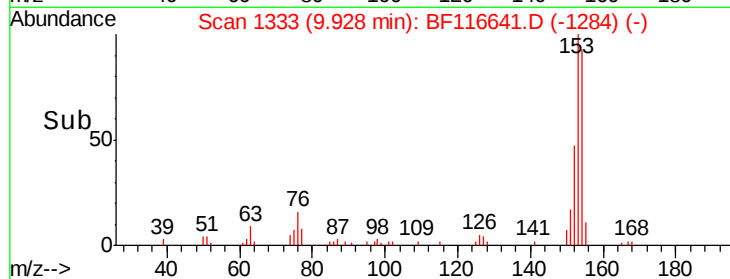
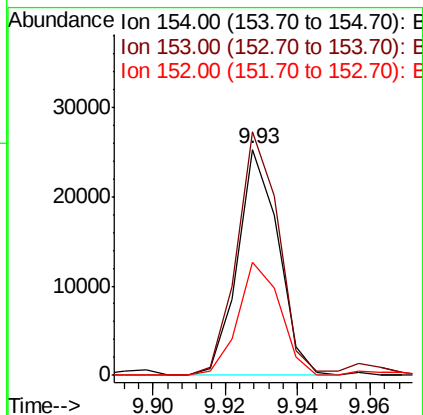
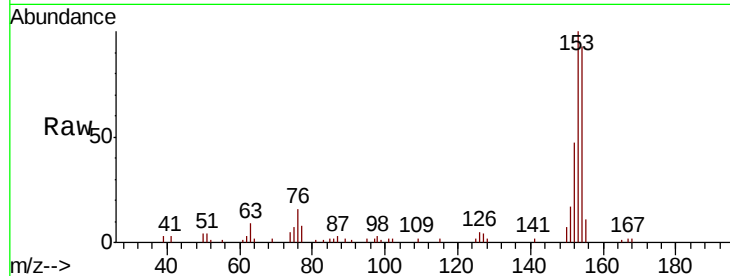
ClientSampleId :

PL-02-082619

Tot Ion:	154	Resp:	19822
Ion Ratio	Lower	Upper	
154	100		
153	107.6	86.6	129.8
152	50.2	39.4	59.0

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#58

Fluorene

Concen: 4.614 ng

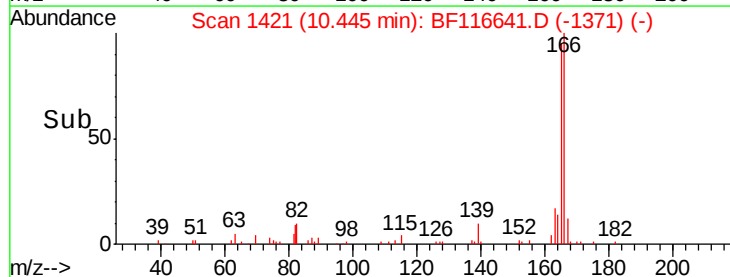
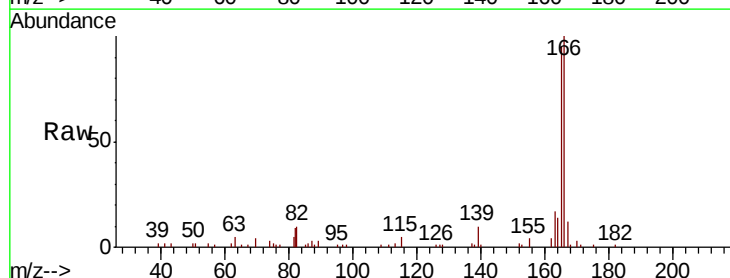
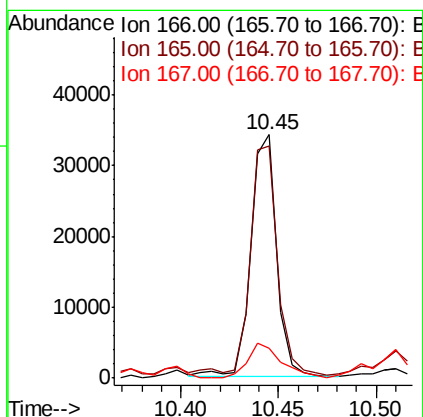
RT: 10.45 min Scan# 1421

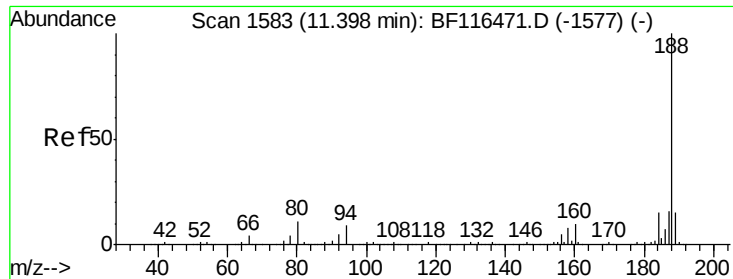
Delta R.T. -0.01 min

Lab File: BF116641.D

Acq: 29 Aug 2019 3:18

Tgt Ion:	166	Resp:	30784
Ion Ratio	Lower	Upper	
166	100		
165	95.3	77.8	116.6
167	12.3	10.6	16.0





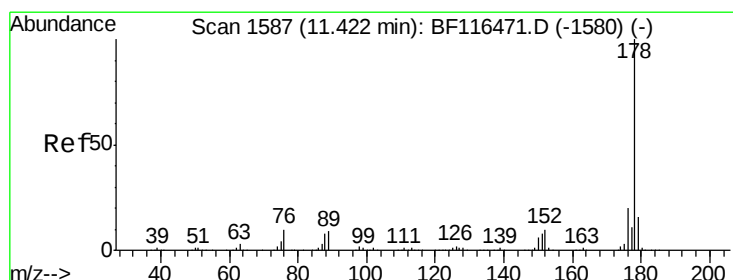
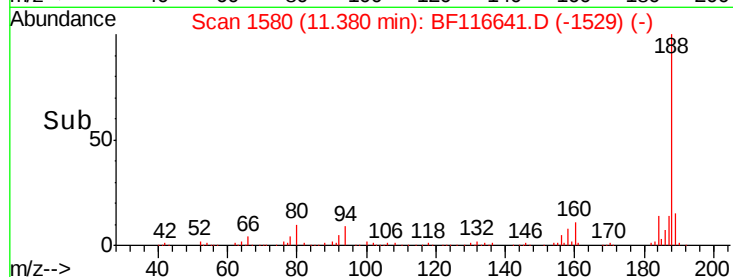
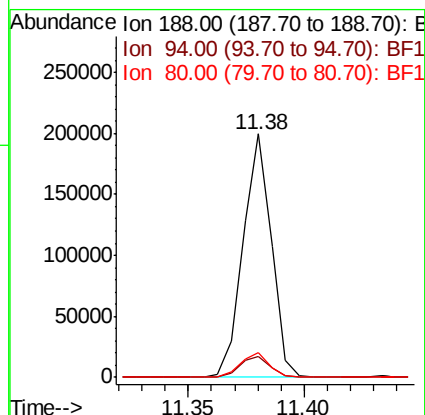
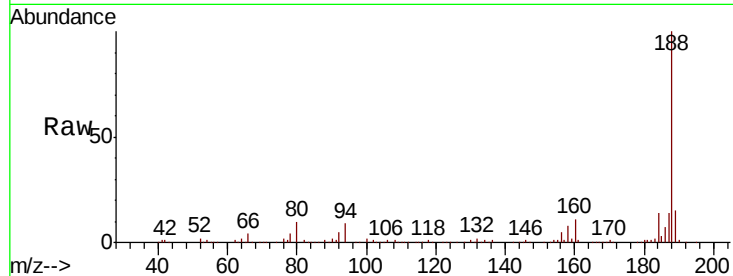
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF116641.D
Acq: 29 Aug 2019 3:18

Instrument :
BNA_F
ClientSampleId :
PL-02-082619

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.8	8.2	12.4
80	10.2	8.9	13.3

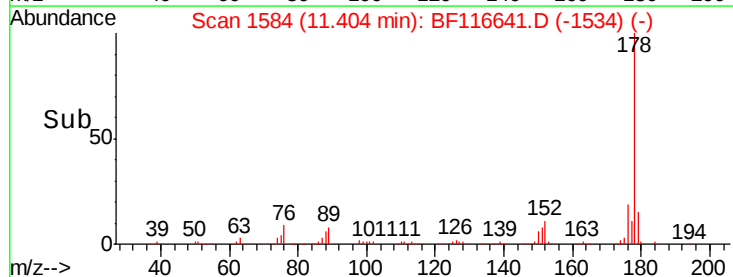
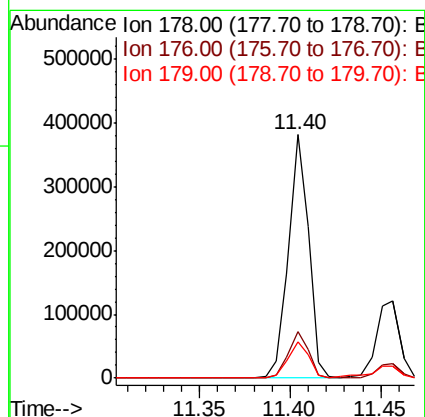
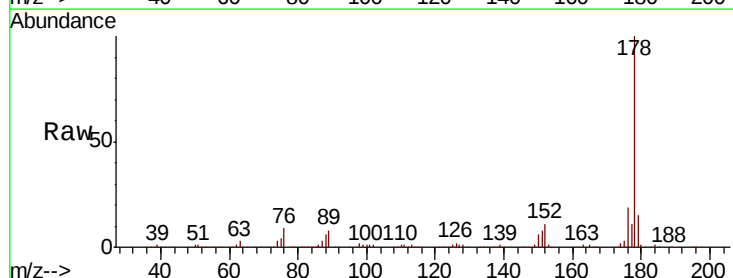
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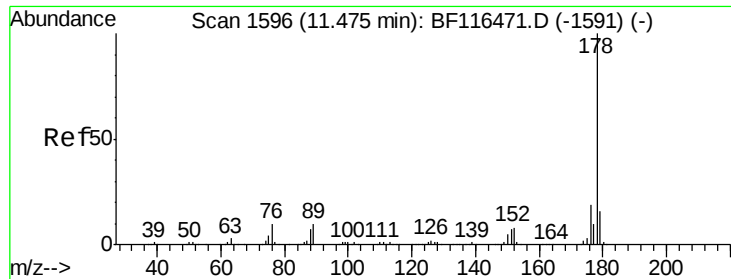
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#71
Phenanthrene
Concen: 32.427 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF116641.D
Acq: 29 Aug 2019 3:18

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	15.5	23.3
179	14.9	12.4	18.6





#72

Anthracene

Concen: 11.546 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.00 min

Lab File: BF116641.D

Acq: 29 Aug 2019 3:18

Instrument :

BNA_F

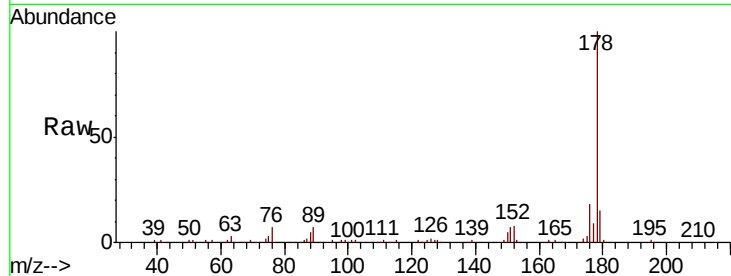
ClientSampleId :

PL-02-082619

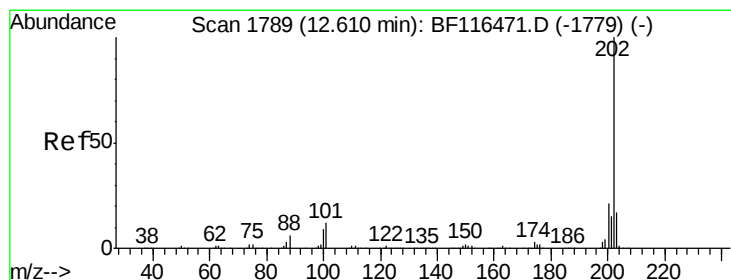
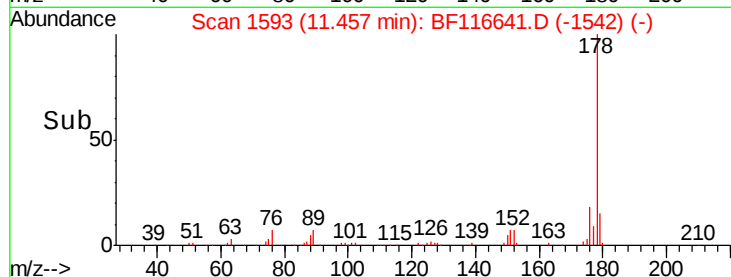
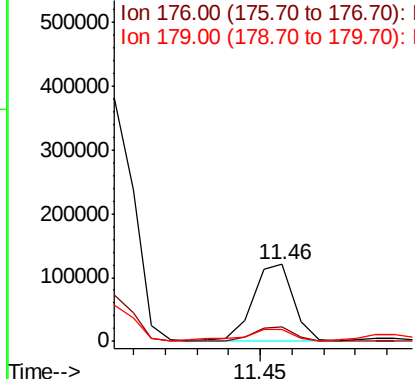
Tot Ion:	178	Resp:	105909
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.1	22.7
179	15.1	12.7	19.1

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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



#75

Fluoranthene

Concen: 61.599 ng

RT: 12.59 min Scan# 1786

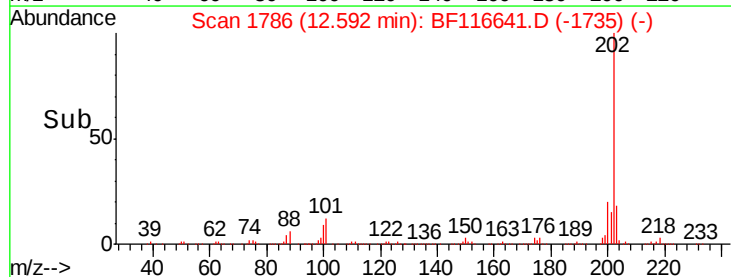
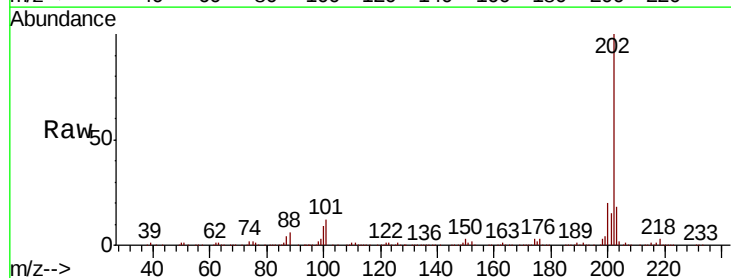
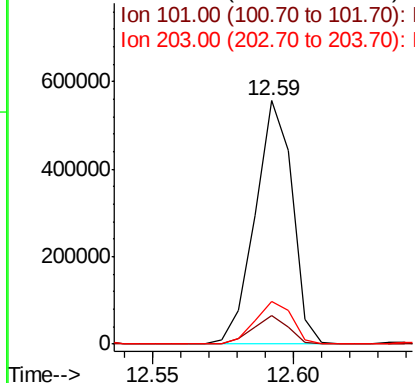
Delta R.T. 0.00 min

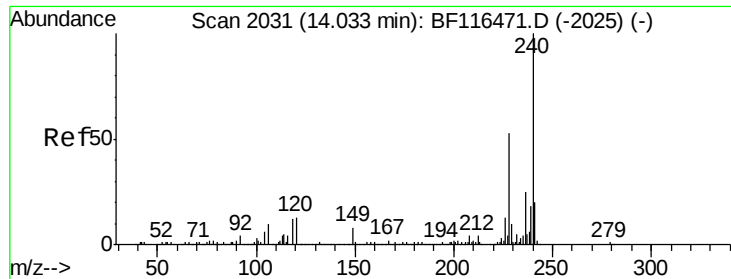
Lab File: BF116641.D

Acq: 29 Aug 2019 3:18

Tgt Ion:	202	Resp:	506807
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	31.8
203	17.7	0.0	37.1

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





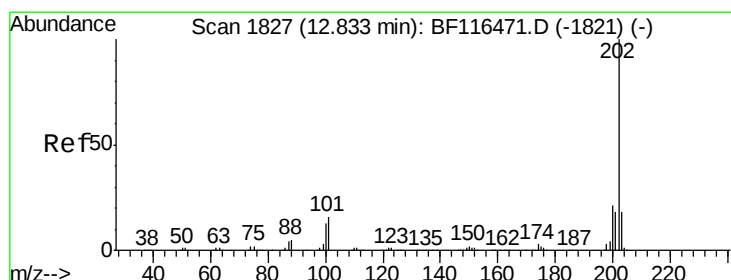
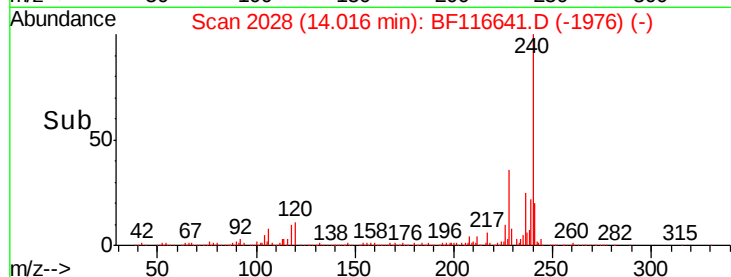
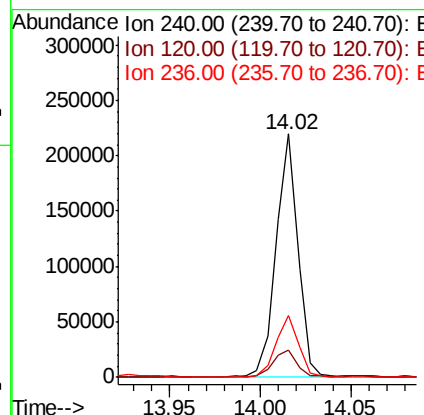
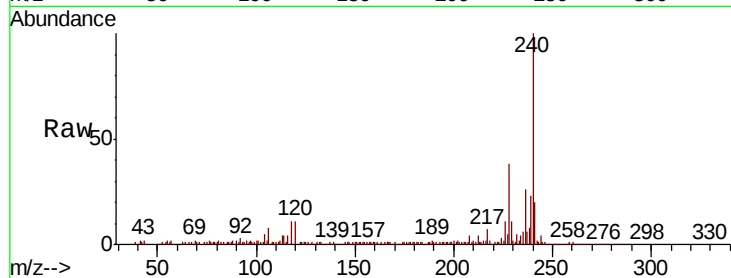
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF116641.D
Acq: 29 Aug 2019 3:18

Instrument :
BNA_F
ClientSampleId :
PL-02-082619

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	11.3	16.9#
236	25.6	21.4	32.2

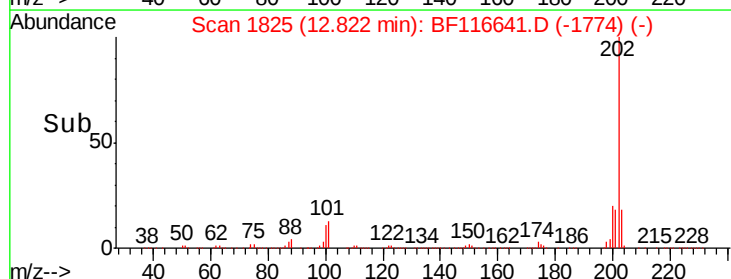
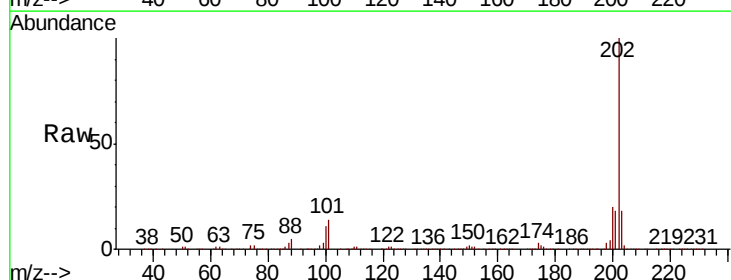
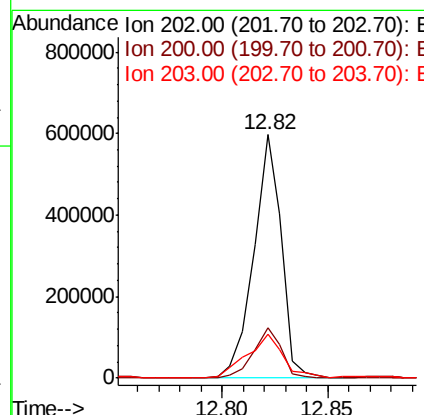
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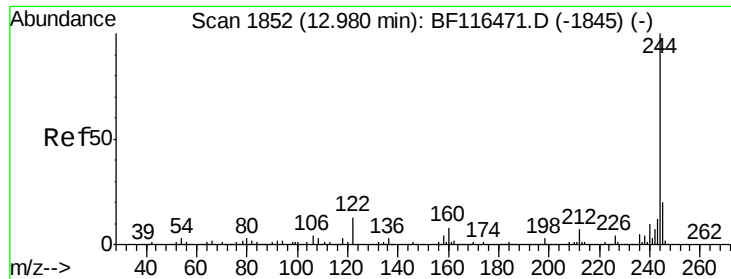
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#78
Pyrene
Concen: 32.104 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF116641.D
Acq: 29 Aug 2019 3:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.0
203	18.1	14.2	21.4





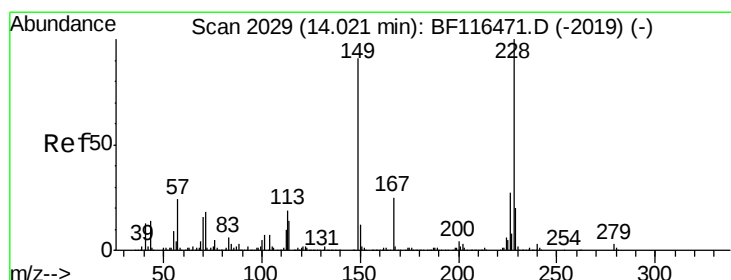
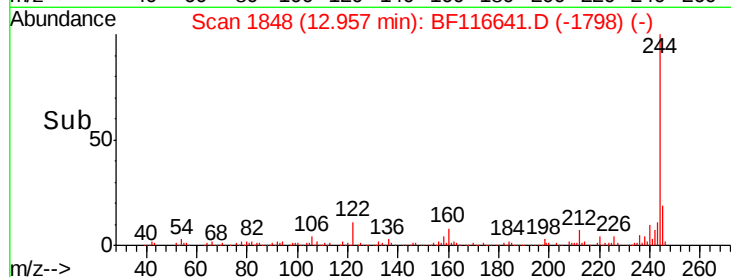
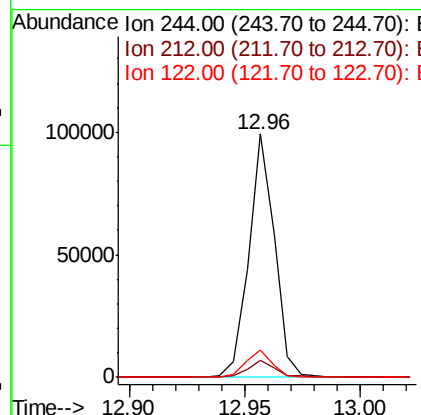
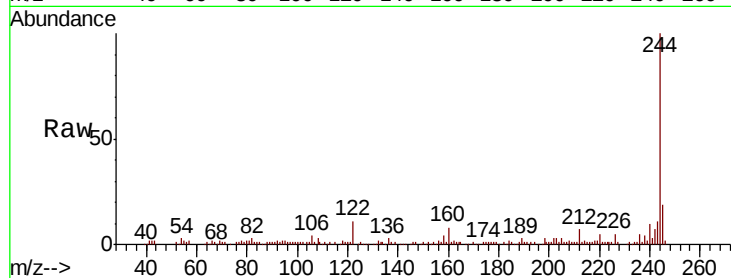
#79
 Terphenyl-d14
 Concen: 6.878 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF116641.D
 Acq: 29 Aug 2019 3:18

Instrument :
 BNA_F
 ClientSampled :
 PL-02-082619

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.9	8.9
122	11.1	10.0	15.0

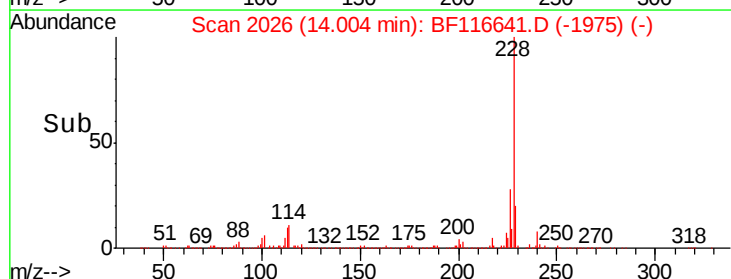
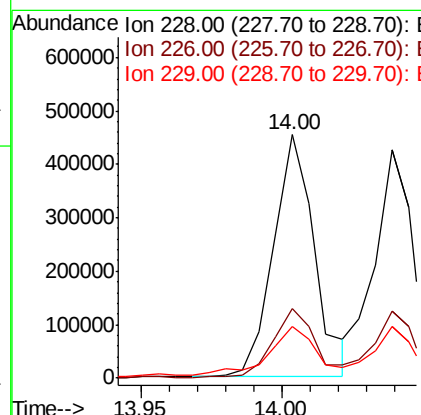
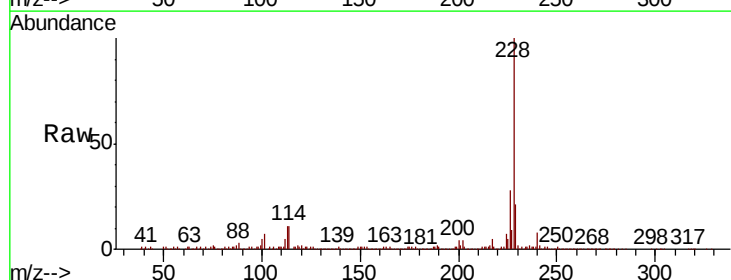
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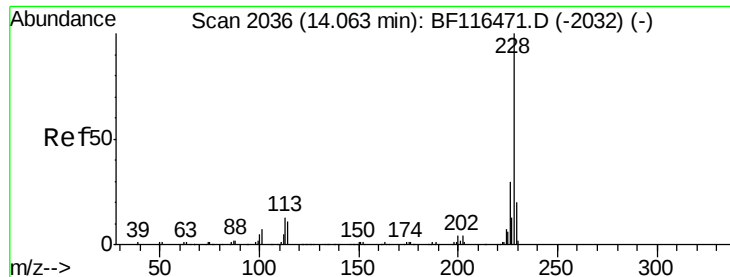
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#81
 Benzo(a)anthracene
 Concen: 37.712 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.00 min
 Lab File: BF116641.D
 Acq: 29 Aug 2019 3:18

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.4	21.5	32.3
229	21.0	15.4	23.0





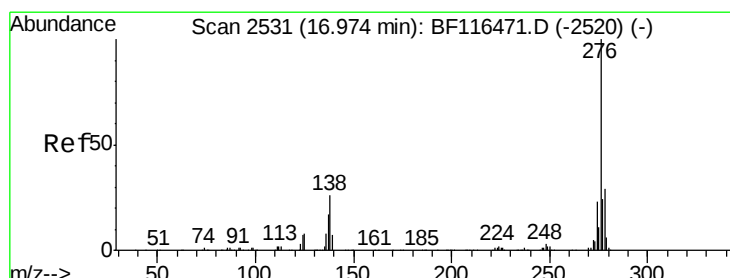
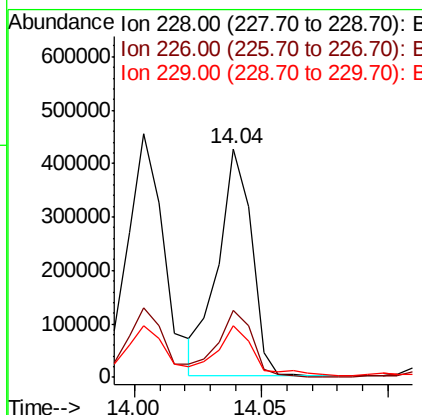
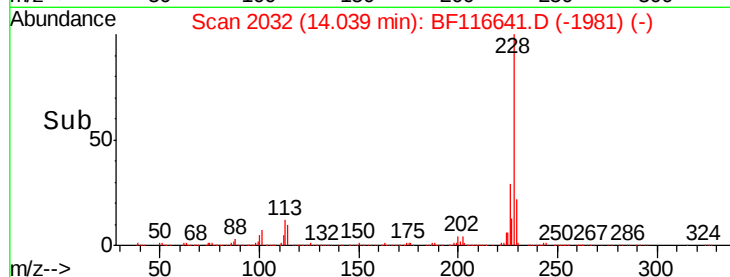
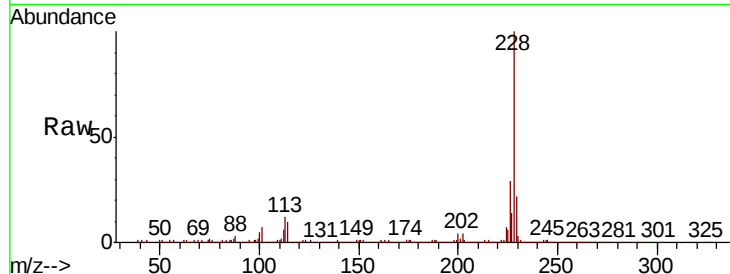
#83
Chrysene
Concen: 32.909 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF116641.D
Acq: 29 Aug 2019 3:18

Instrument :
BNA_F
ClientSampleId :
PL-02-082619

Tot Ion:	228	Resp:	391570
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.0	36.0
229	22.3	15.8	23.8

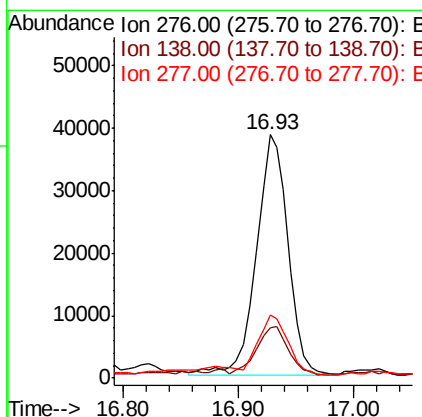
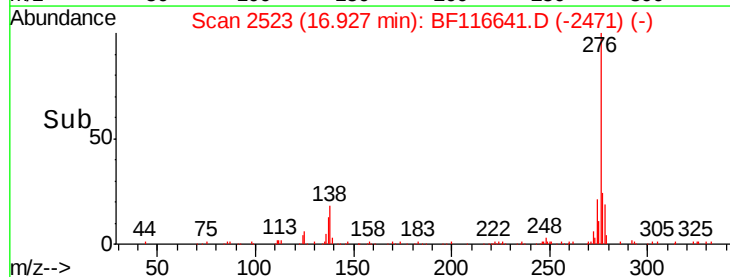
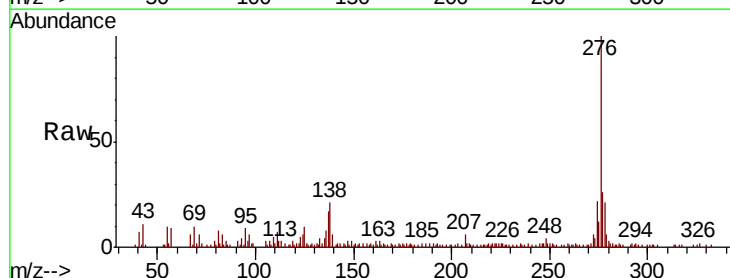
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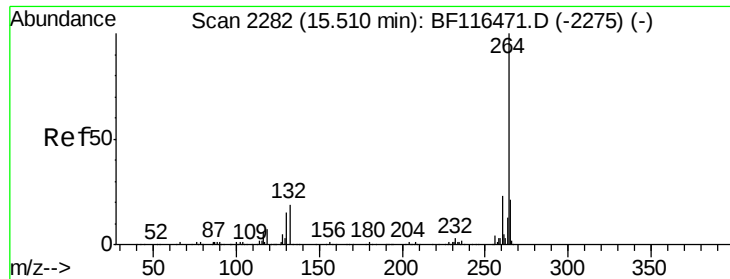
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#86
Indeno(1,2,3-cd)pyrene
Concen: 11.191 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.01 min
Lab File: BF116641.D
Acq: 29 Aug 2019 3:18

Tgt Ion:	276	Resp:	73415
Ion Ratio	Lower	Upper	
276	100		
138	19.9	21.5	32.3#
277	24.0	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.01 min

Lab File: BF116641.D

Acq: 29 Aug 2019 3:18

Instrument :

BNA_F

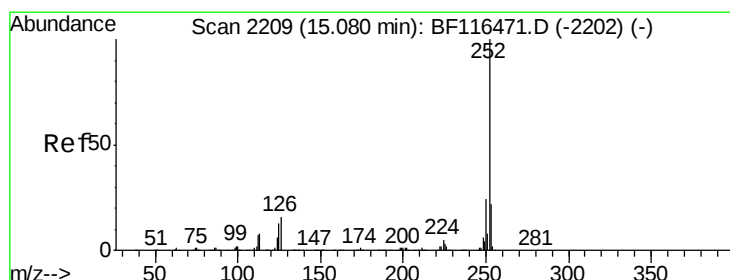
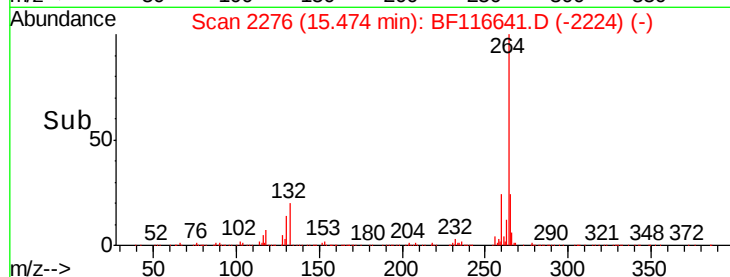
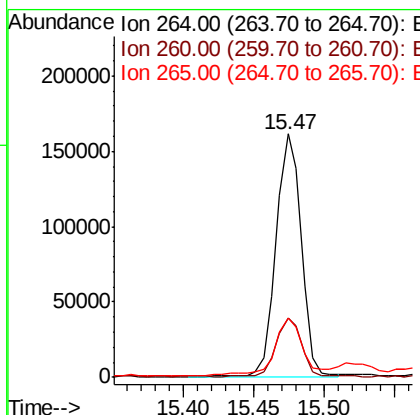
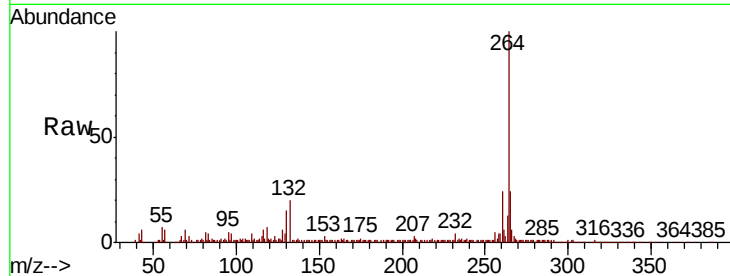
ClientSampleId :

PL-02-082619

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.0	30.0
265	24.2	17.6	26.4

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#88

Benzo(b)fluoranthene

Concen: 40.984 ng m

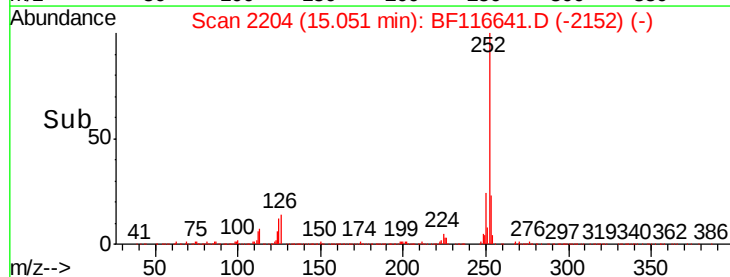
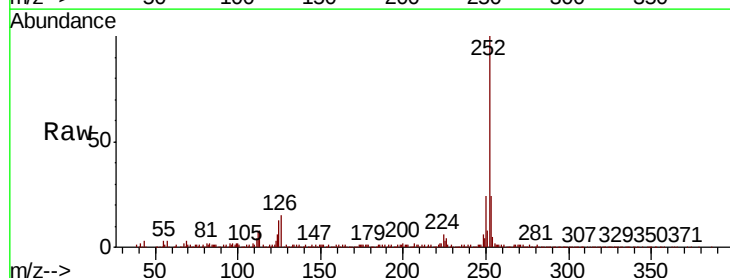
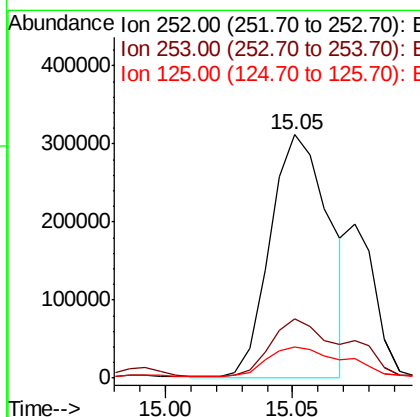
RT: 15.05 min Scan# 2204

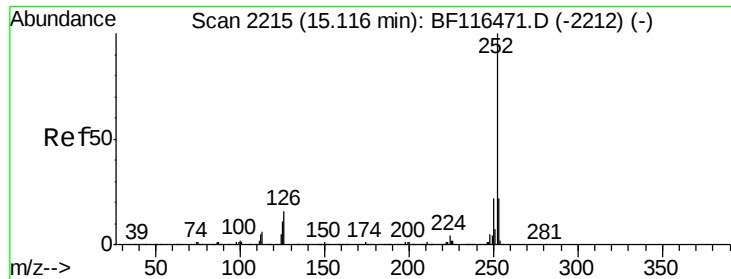
Delta R.T. 0.01 min

Lab File: BF116641.D

Acq: 29 Aug 2019 3:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.3	25.9
125	13.0	9.0	13.6





#89

Benzo(k)fluoranthene

Concen: 12.843 ng m

RT: 15.07 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BF116641.D

Acq: 29 Aug 2019 3:18

Instrument :

BNA_F

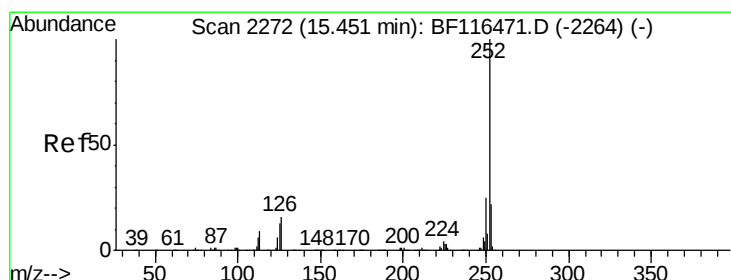
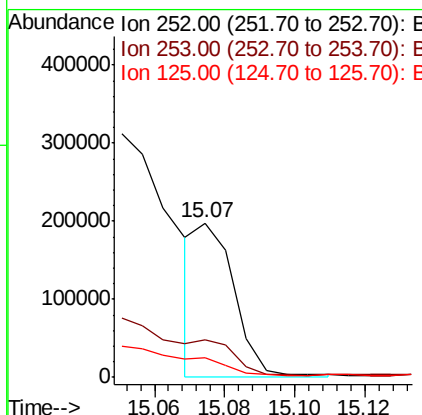
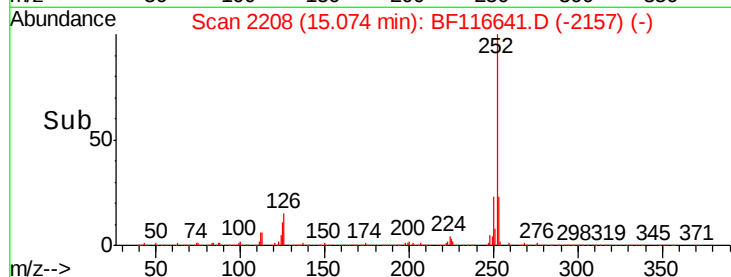
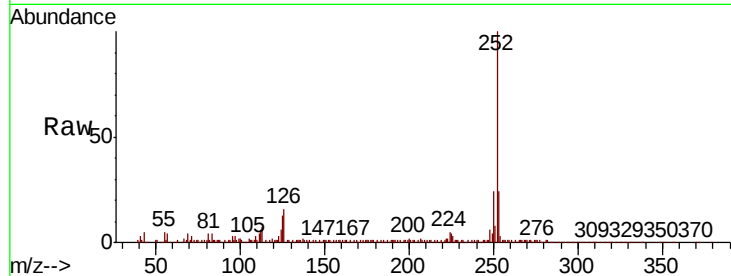
ClientSampleId :

PL-02-082619

Tot Ion:	252	Resp:	151479
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.2	25.8
125	12.5	8.6	13.0

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#90

Benzo(a)pyrene

Concen: 26.846 ng

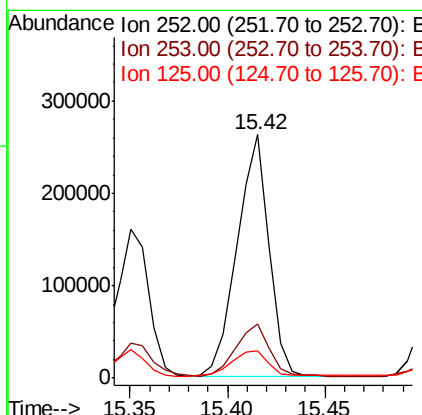
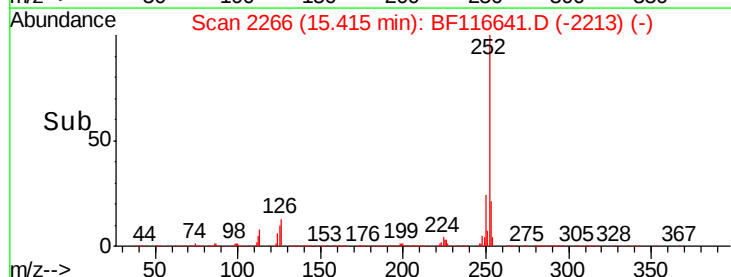
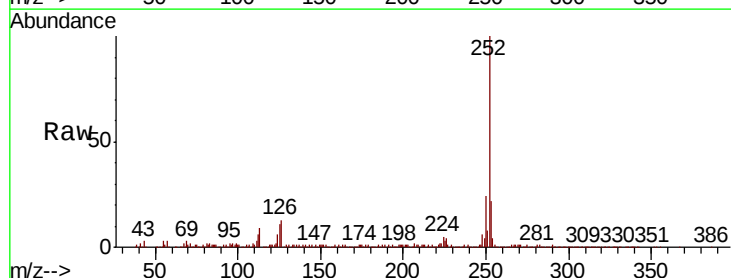
RT: 15.42 min Scan# 2266

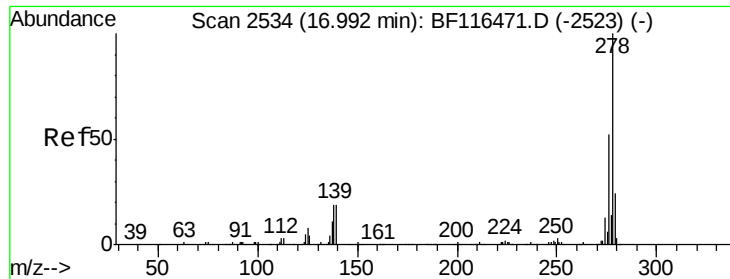
Delta R.T. 0.01 min

Lab File: BF116641.D

Acq: 29 Aug 2019 3:18

Tgt Ion:	252	Resp:	297298
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.0
125	11.2	10.6	16.0





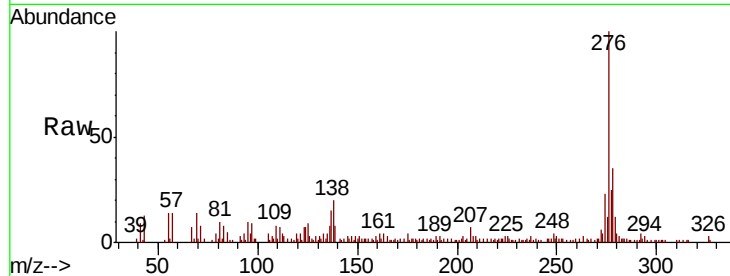
#91
Dibenzo(a,h)anthracene
Concen: 2.116 ng/mL
RT: 16.94 min Scan# 2525
Delta R.T. 0.00 min
Lab File: BF116641.D
Acq: 29 Aug 2019 3:18

Instrument :
BNA_F
ClientSampleId :
PL-02-082619

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.6	14.1	21.1
279	34.5	19.5	29.3

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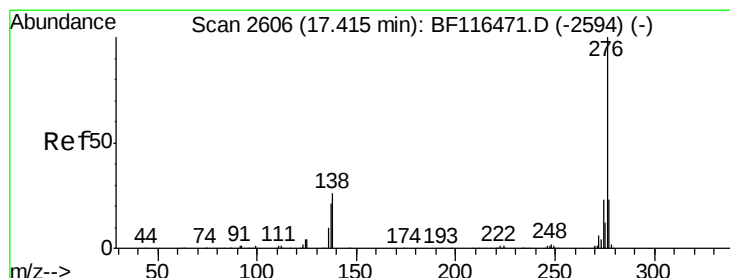
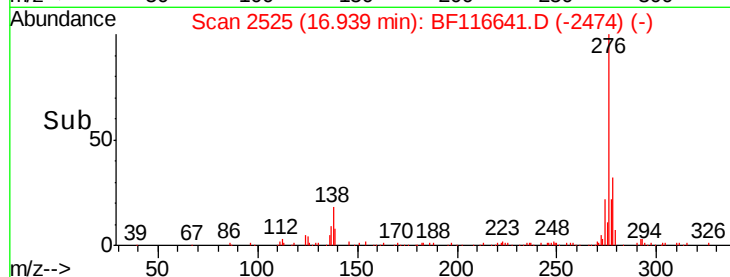
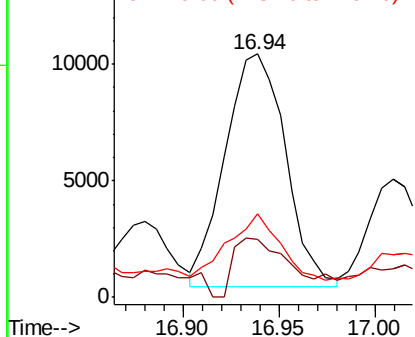


Abundance

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: 6.052 ng/mL
RT: 17.37 min Scan# 2598
Delta R.T. 0.01 min
Lab File: BF116641.D
Acq: 29 Aug 2019 3:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.0	28.4
138	23.2	18.2	27.2

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

