

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114829.D
 Acq On : 5 Jun 2019 20:21
 Operator : HP/JU
 Sample : K3183-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
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Quant Time: Jun 06 06:58:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	367805	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1410590	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	743095	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1489177	20.00	ng	0.00
76) Chrysene-d12	13.79	240	1005456	20.00	ng	0.00
87) Perylene-d12	15.19	264	1067273	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	2454149	116.59	ng	0.01
7) Phenol-d6	6.31	99	3039638	118.68	ng	0.00
23) Nitrobenzene-d5	7.23	82	1899979	82.92	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	943667	117.84	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	3150258	79.42	ng	0.00
79) Terphenyl-d14	12.76	244	3454205	66.81	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	7.97	128	354563	5.583	ng	95
50) Dimethylphthalate	9.42	163	789948	14.555	ng	99
52) Acenaphthene	9.73	154	196315	4.416	ng	99
55) Dibenzofuran	9.90	168	163834	2.650	ng	91
71) Phenanthrene	11.19	178	767525	10.796	ng	96
72) Anthracene	11.24	178	190275	2.543	ng	95
75) Fluoranthene	12.37	202	1262858	17.067	ng	97
78) Pyrene	12.60	202	1116241	12.797	ng	97
81) Benzo(a)anthracene	13.78	228	537040	6.931	ng	99
83) Chrysene	13.82	228	498417	6.613	ng	95
86) Indeno(1,2,3-cd)pyrene	16.50	276	239342	2.783	ng	94
88) Benzo(b)fluoranthene	14.80	252	612049m	9.008	ng	
89) Benzo(k)fluoranthene	14.83	252	170036m	2.947	ng	
90) Benzo(a)pyrene	15.13	252	425218	7.231	ng	98
92) Benzo(a,h,i)perylene	16.89	276	208026	3.714	ng	97

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

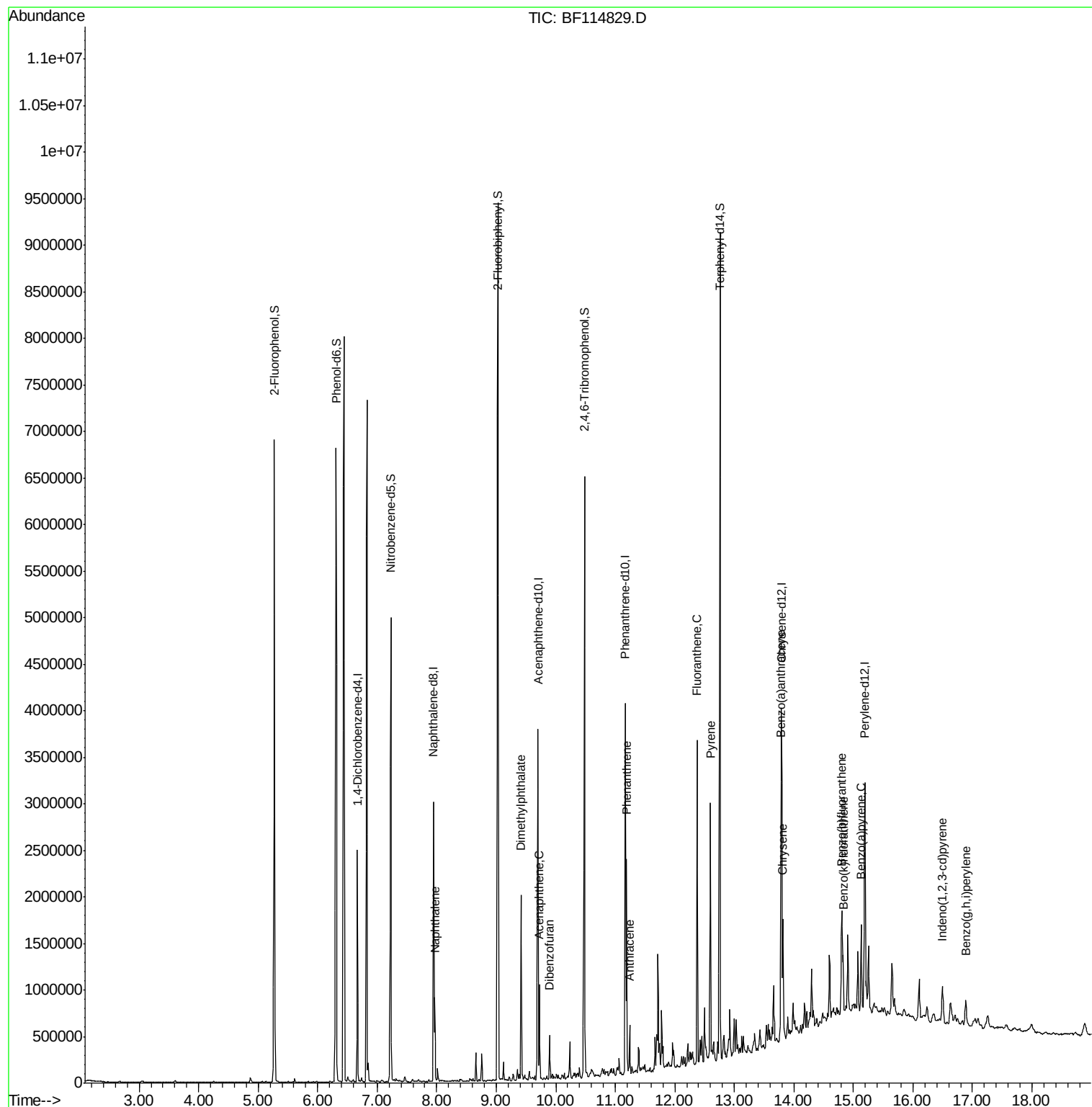
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
Data File : BF114829.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

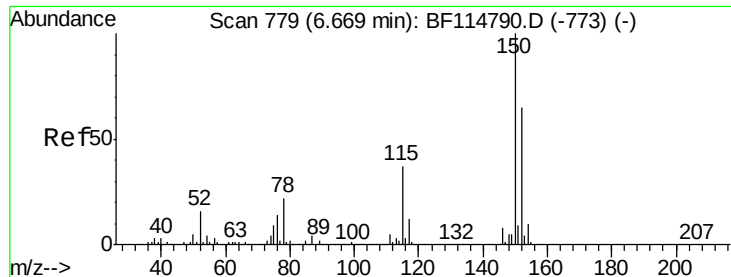
Instrument :
BNA_F
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TP-1

Quant Time: Jun 06 06:58:23 2019
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#1

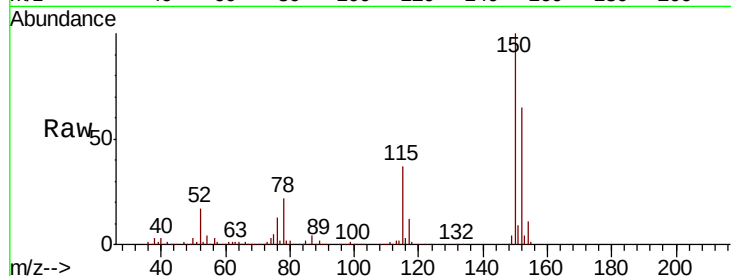
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF114829.D
Acq: 5 Jun 2019 20:21

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.0	186.0
115	57.2	46.3	69.5

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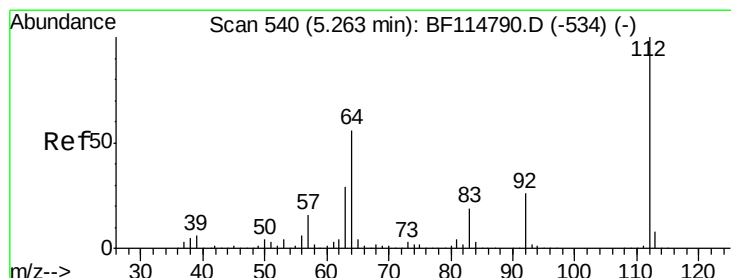
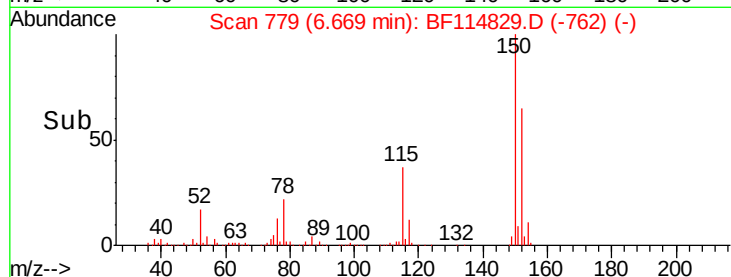
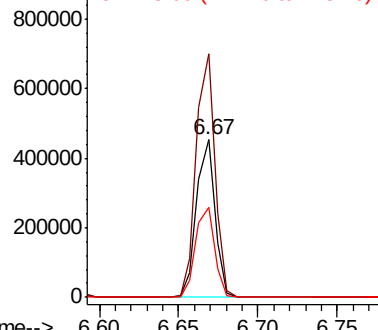


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

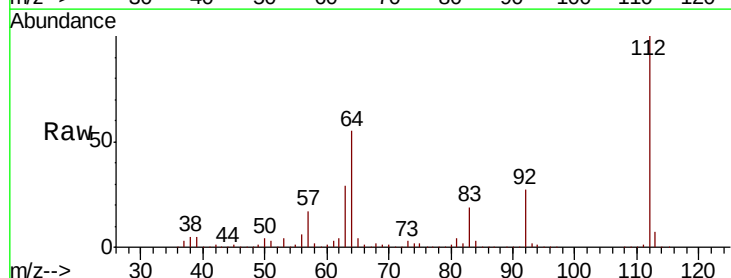
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 116.591 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114829.D
Acq: 5 Jun 2019 20:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.6	66.8
63	28.7	23.0	34.4

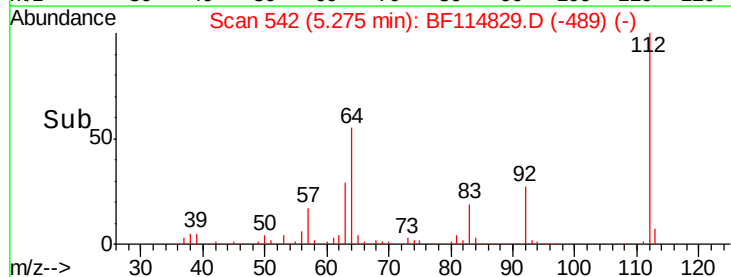
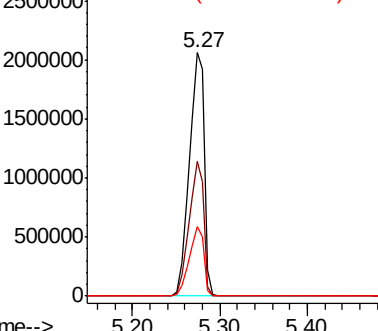


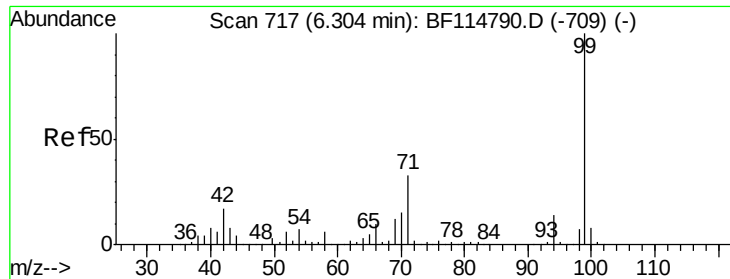
Abundance

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: 118.677 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF114829.D

Acq: 5 Jun 2019 20:21

Instrument :

BNA_F

ClientSampleId :

TP-1

Tot Ion: 99 Resp: 3039638

Ion Ratio Lower Upper

99 100

42 17.4 13.3 19.9

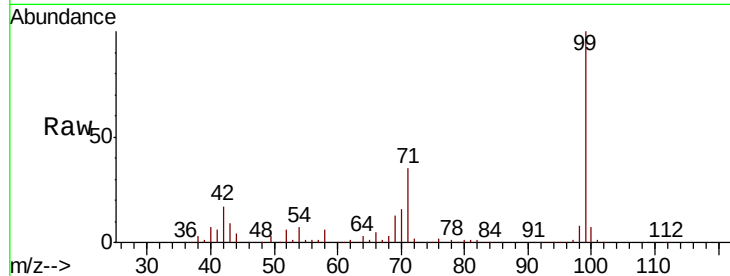
71 34.6 26.3 39.5

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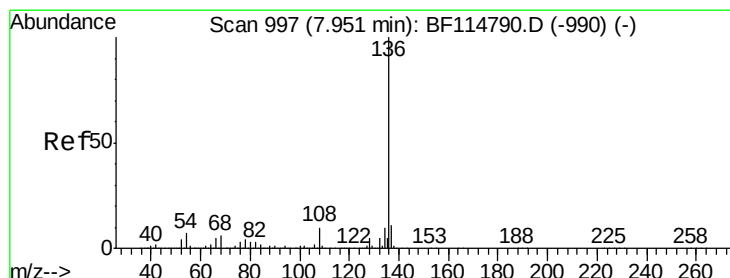
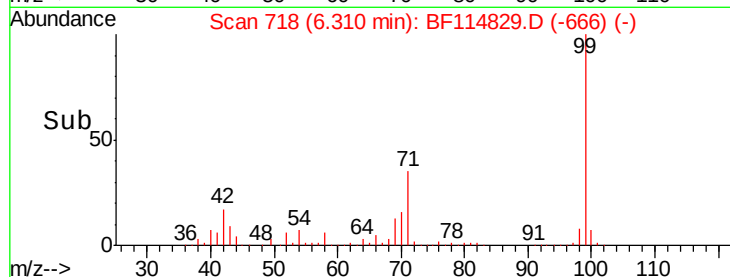
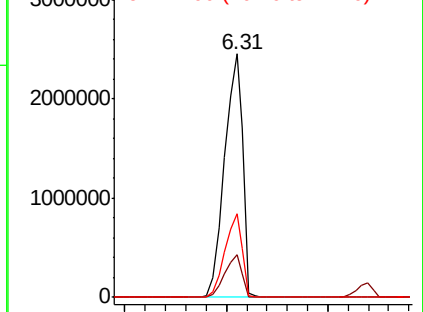
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF114829.D

Acq: 5 Jun 2019 20:21

Tgt Ion: 136 Resp: 1410590

Ion Ratio Lower Upper

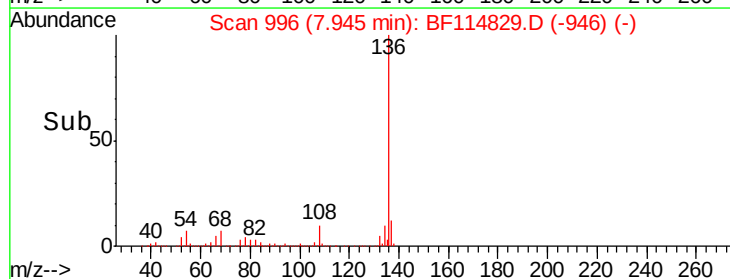
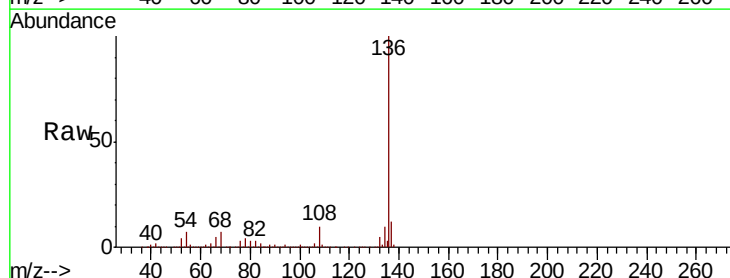
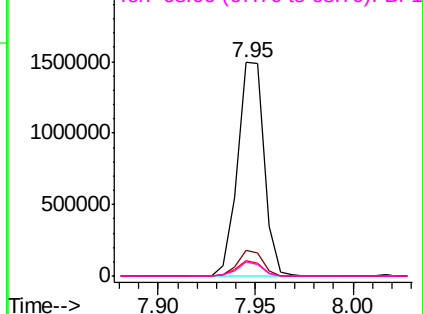
136 100

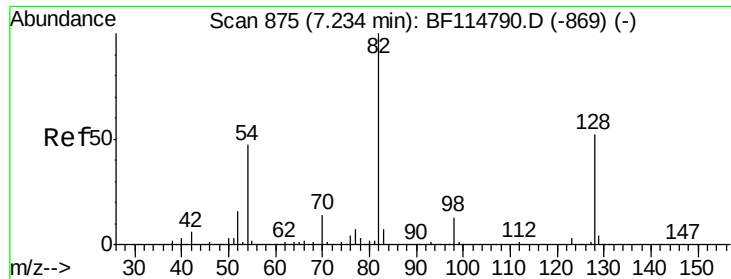
137 11.9 9.1 13.7

54 7.5 5.4 8.0

68 6.6 4.6 6.8

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: 82.916 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF114829.D

Acq: 5 Jun 2019 20:21

Instrument :

BNA_F

ClientSampled :

TP-1

Tot Ion: 82 Resp: 1899979

Ion Ratio Lower Upper

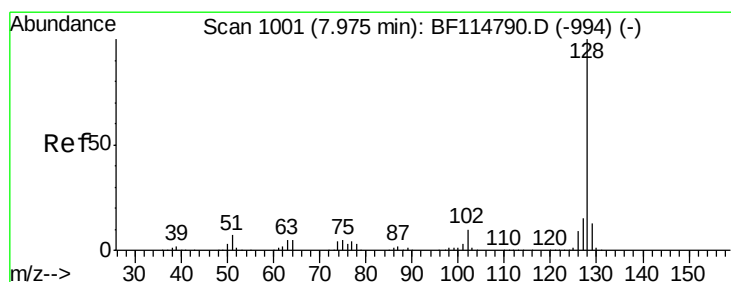
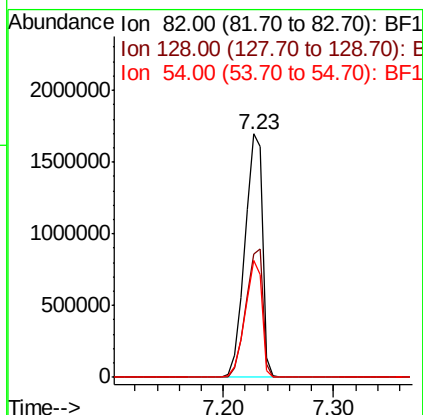
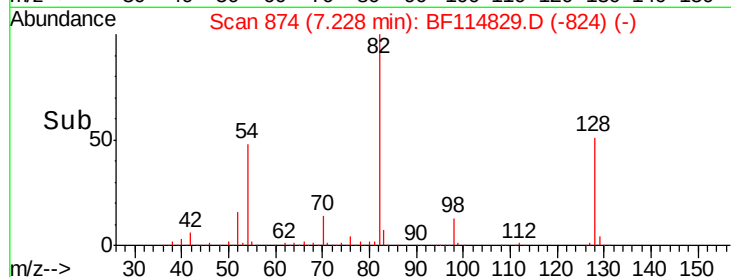
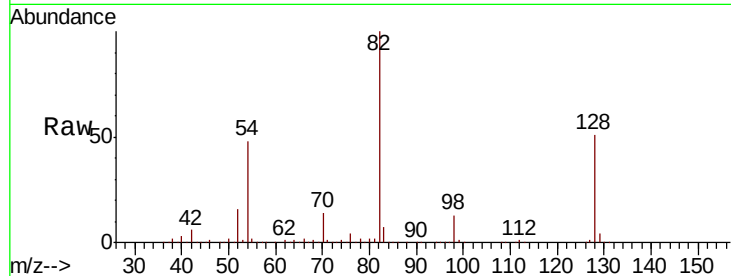
82 100

128 50.8 41.8 62.6

54 47.9 37.9 56.9

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#31

Naphthalene

Concen: 5.583 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.01 min

Lab File: BF114829.D

Acq: 5 Jun 2019 20:21

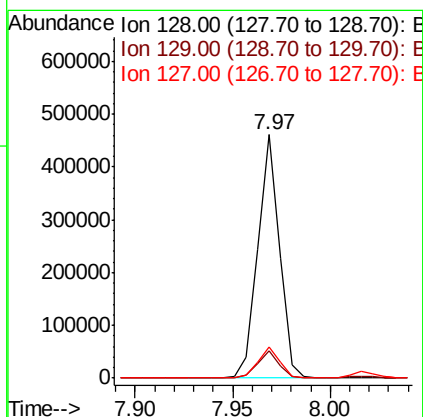
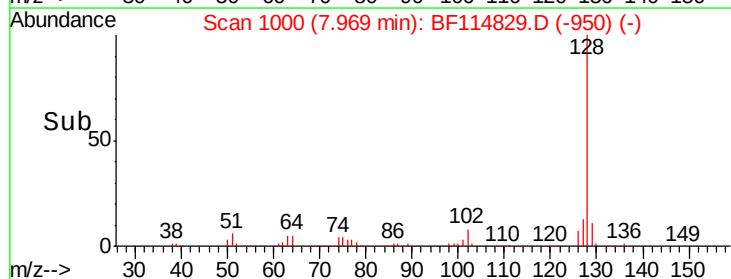
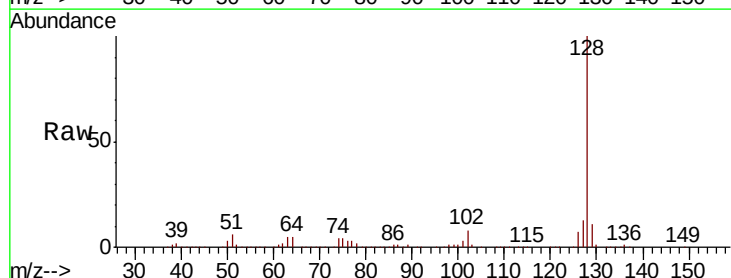
Tgt Ion: 128 Resp: 354563

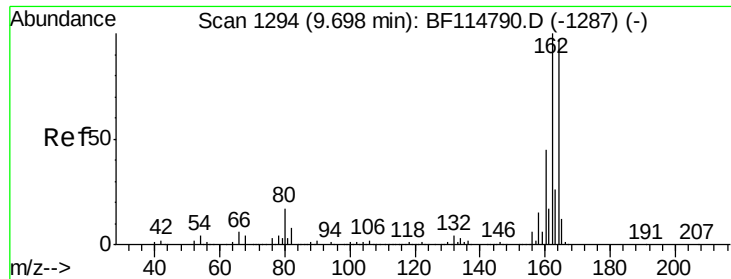
Ion Ratio Lower Upper

128 100

129 11.2 10.0 15.0

127 12.7 12.2 18.2





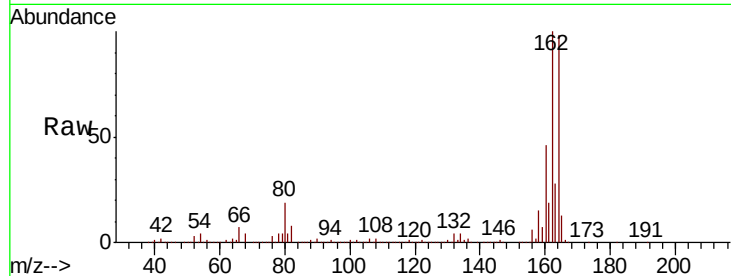
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BF114829.D
Acq: 5 Jun 2019 20:21

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.5	82.3	123.5	
160	46.9	36.7	55.1	

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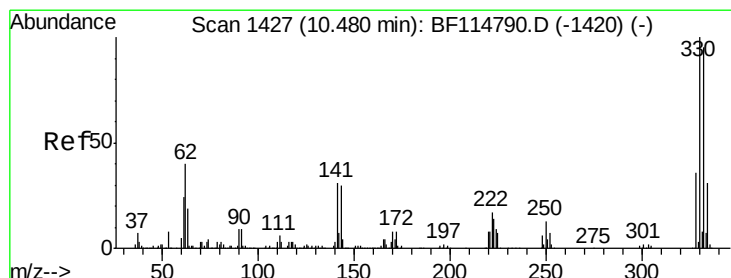
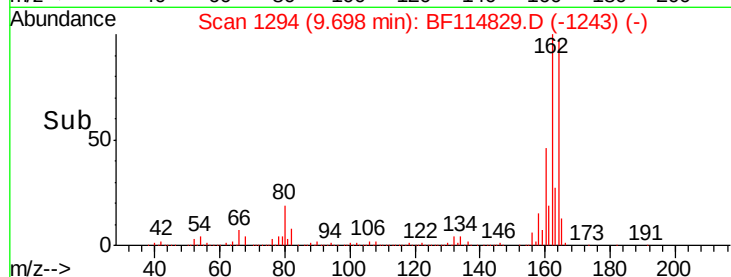
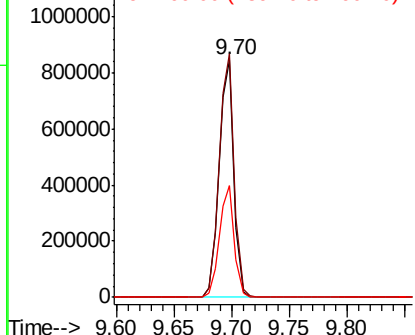


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 117.840 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BF114829.D
Acq: 5 Jun 2019 20:21

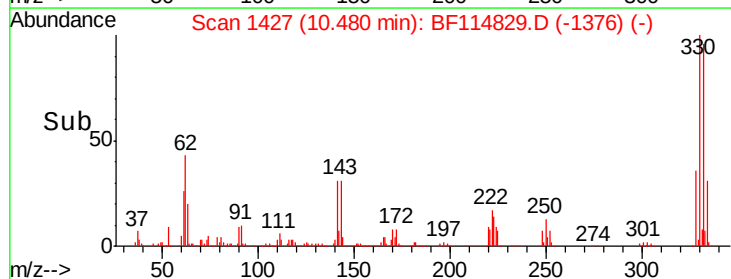
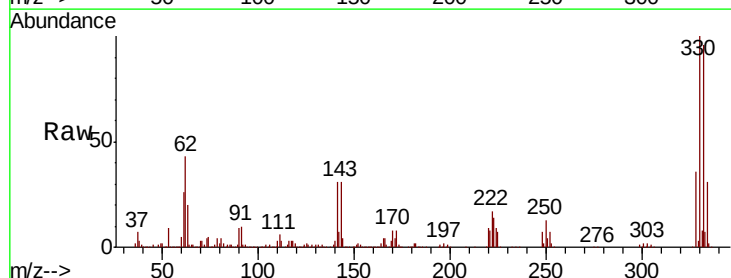
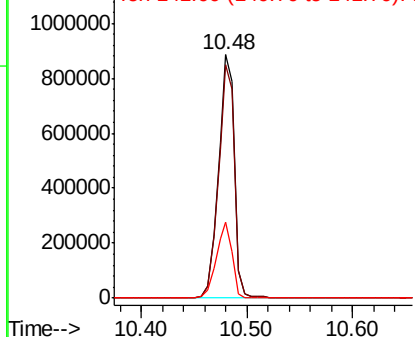
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	77.3	115.9	
141	31.3	26.2	39.4	

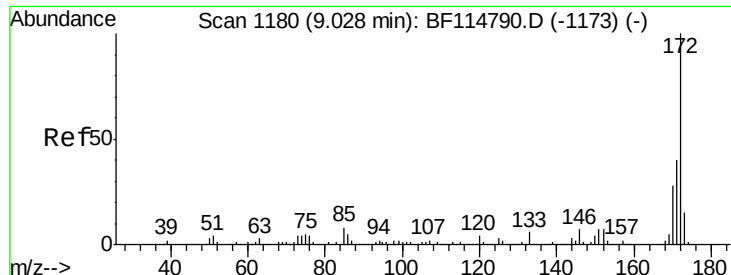
Abundance

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





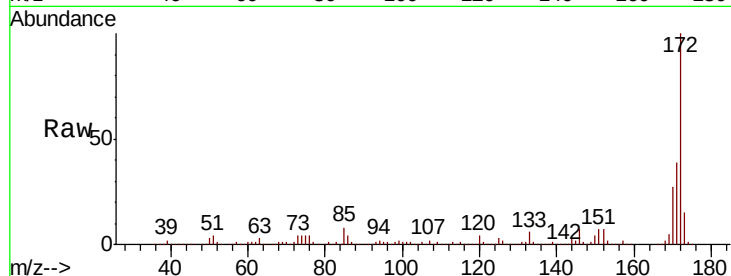
#45
2-Fluorobiphenyl
Concen: 79.415 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BF114829.D
Acq: 5 Jun 2019 20:21

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.0	32.3	48.5
170	27.0	22.4	33.6

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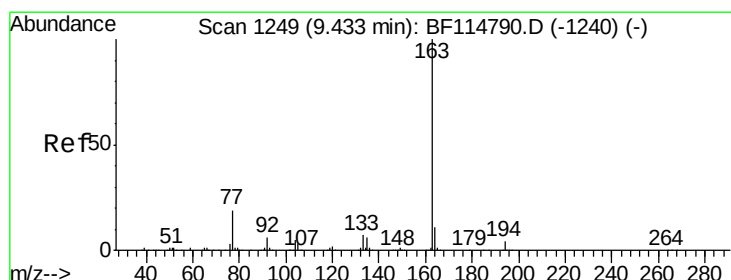
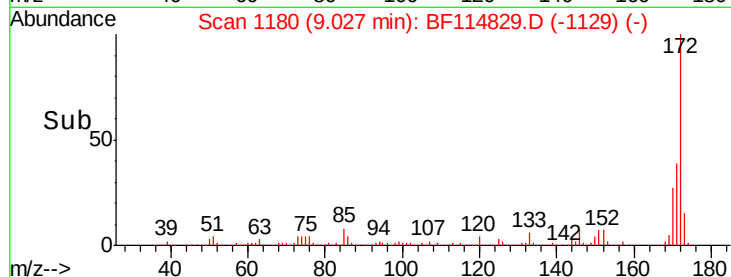
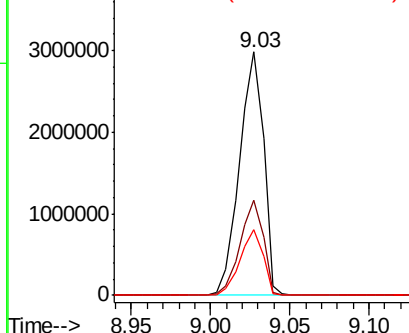


Abundance

Ion 172.00 (171.70 to 172.70): E

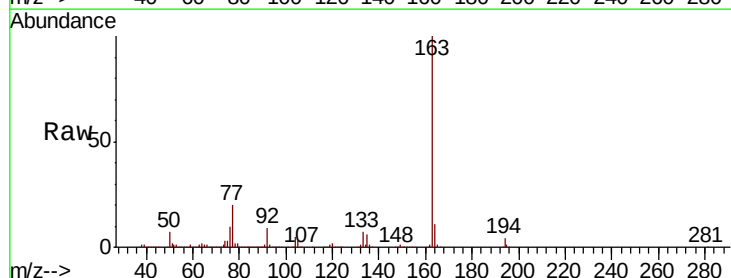
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 14.555 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114829.D
Acq: 5 Jun 2019 20:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.2
164	10.5	8.6	13.0

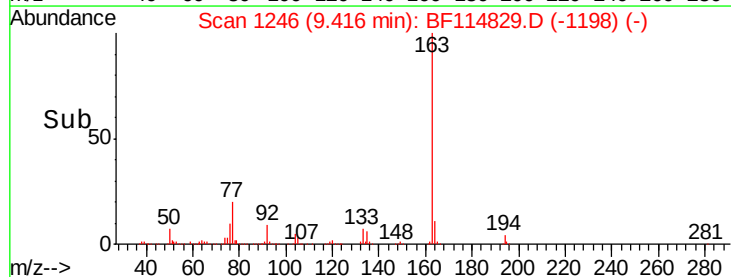
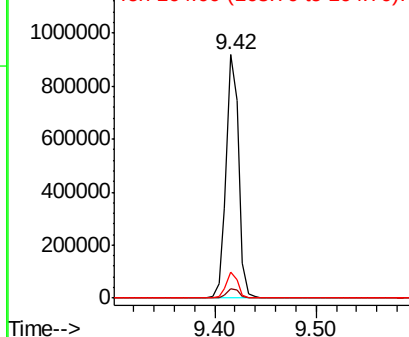


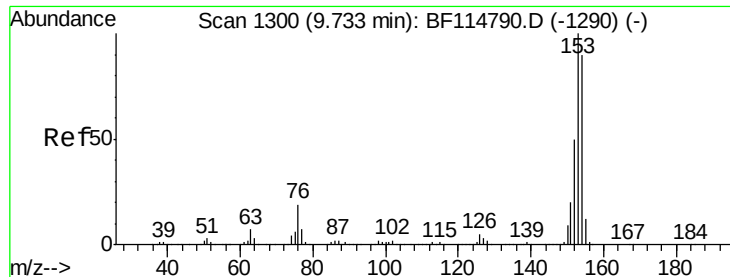
Abundance

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





#52

Acenaphthene

Concen: 4.416 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF114829.D

Acq: 5 Jun 2019 20:21

Instrument :

BNA_F

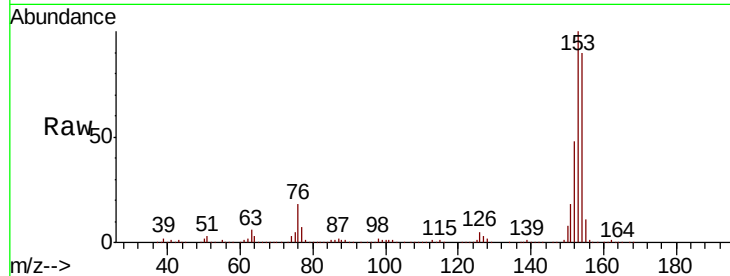
ClientSampleId :

TP-1

Tot Ion:	154	Resp:	196315
Ion Ratio	Lower	Upper	
154	100		
153	110.8	88.5	132.7
152	53.3	44.1	66.1

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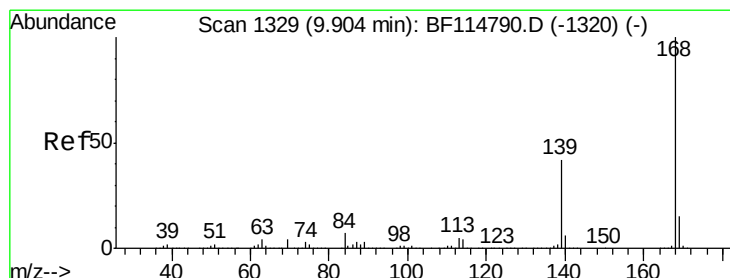
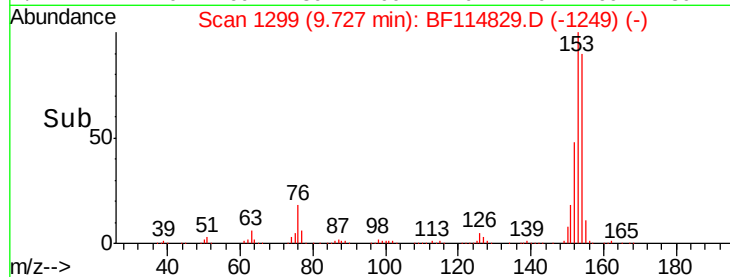
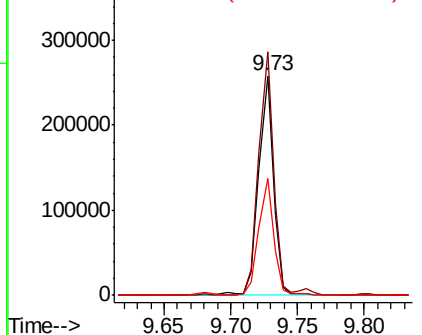


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.650 ng

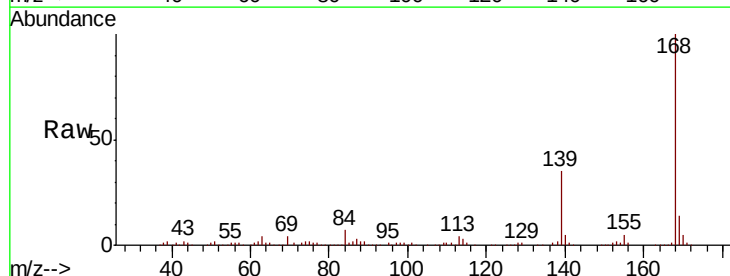
RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF114829.D

Acq: 5 Jun 2019 20:21

Tgt Ion:	168	Resp:	163834
Ion Ratio	Lower	Upper	
168	100		
139	34.9	33.8	50.6
169	13.9	11.9	17.9

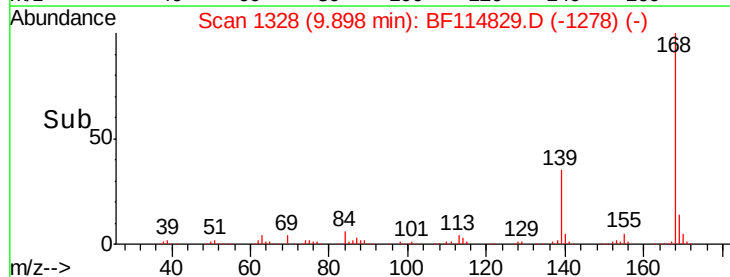
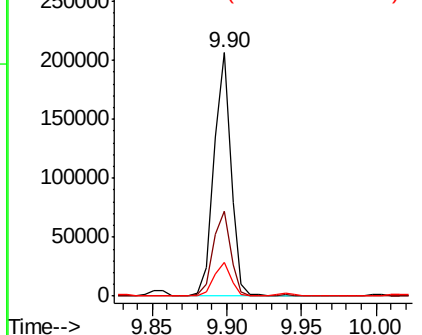


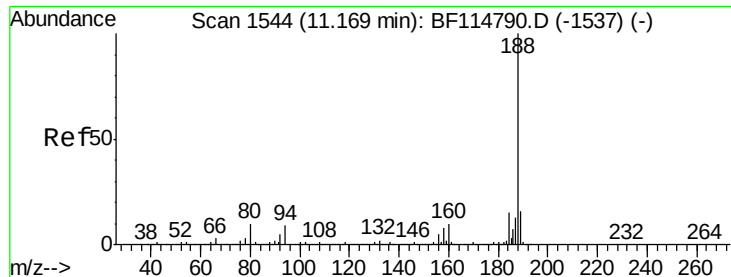
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.00 min

Lab File: BF114829.D

Acq: 5 Jun 2019 20:21

Instrument :

BNA_F

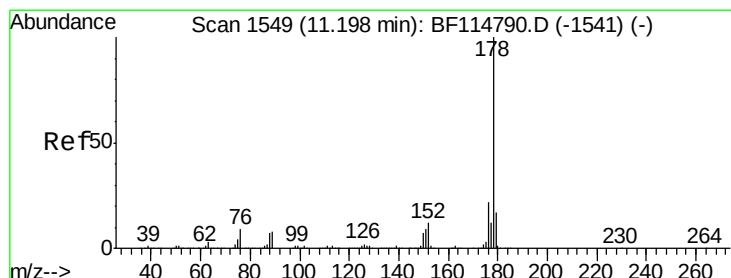
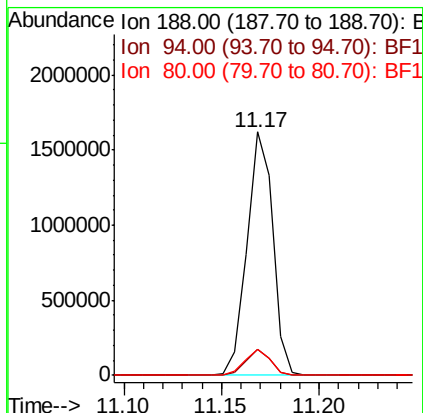
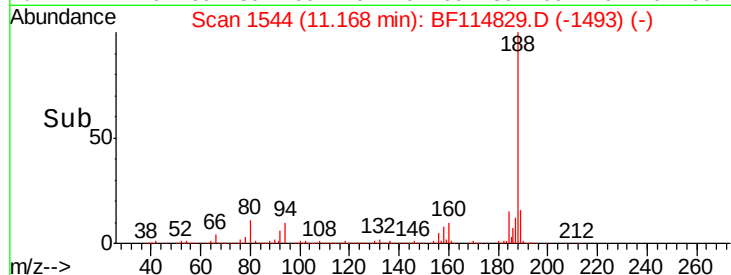
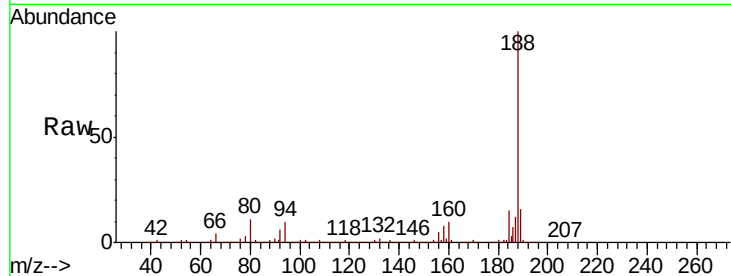
ClientSampled :

TP-1

Tot Ion:188	Resp: 1489177		
Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.6	11.4
80	10.9	8.3	12.5

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#71

Phenanthrene

Concen: 10.796 ng

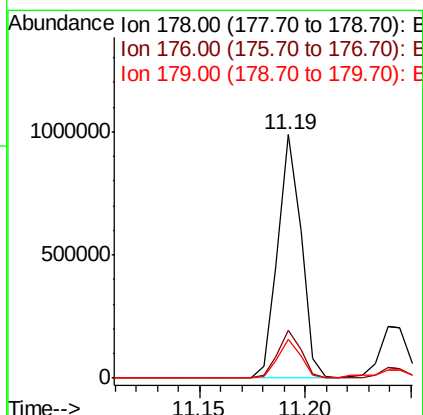
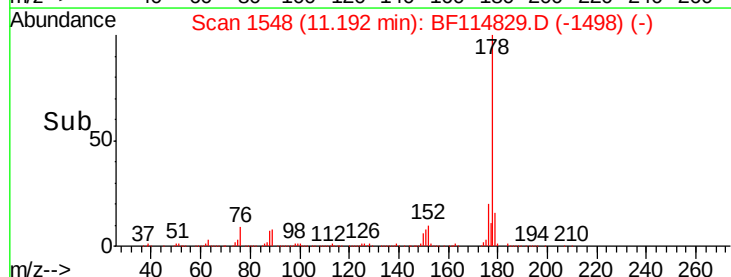
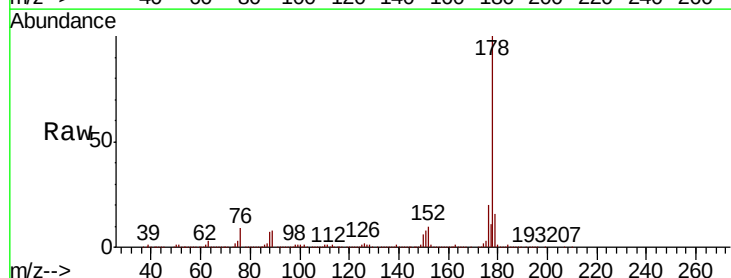
RT: 11.19 min Scan# 1548

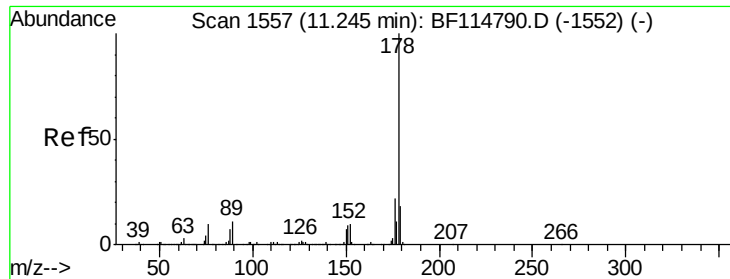
Delta R.T. -0.01 min

Lab File: BF114829.D

Acq: 5 Jun 2019 20:21

Tgt Ion:178	Resp: 767525		
Ion	Ratio	Lower	Upper
178	100		
176	19.8	17.7	26.5
179	15.8	13.7	20.5





#72

Anthracene

Concen: 2.543 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF114829.D

Acq: 5 Jun 2019 20:21

Instrument :

BNA_F

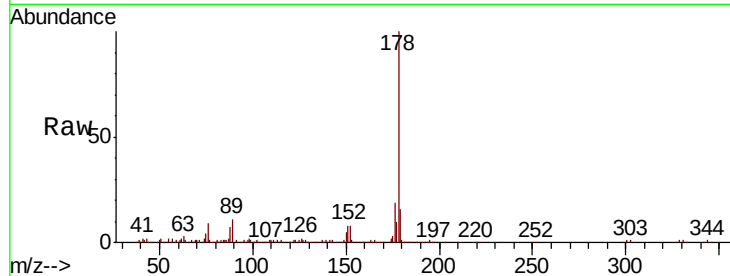
ClientSampleId :

TP-1

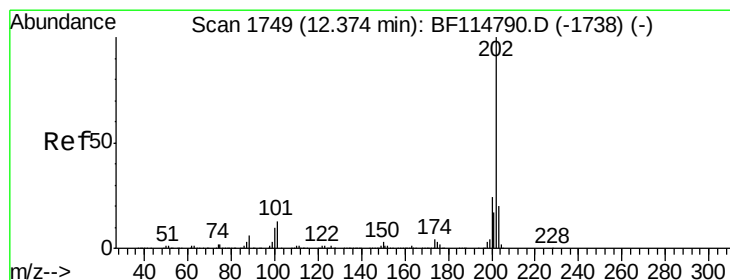
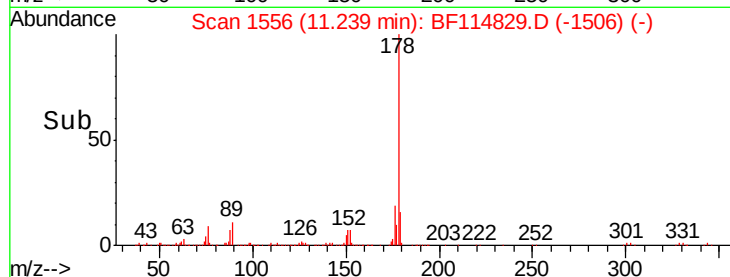
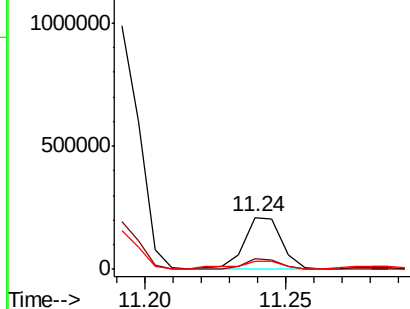
Tot Ion:	178	Resp:	190275
Ion Ratio	Lower	Upper	
178	100		
176	19.3	17.4	26.0
179	15.7	14.2	21.4

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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: 17.067 ng

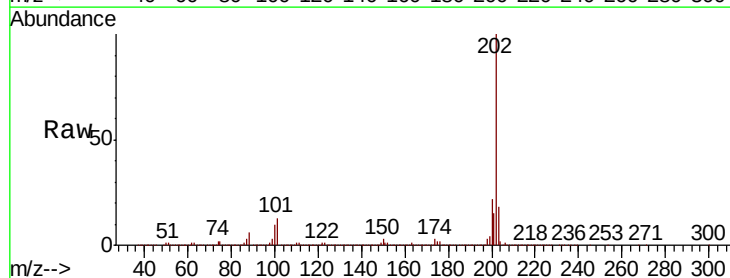
RT: 12.37 min Scan# 1749

Delta R.T. -0.00 min

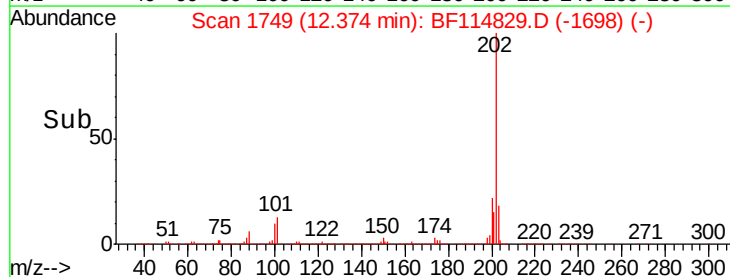
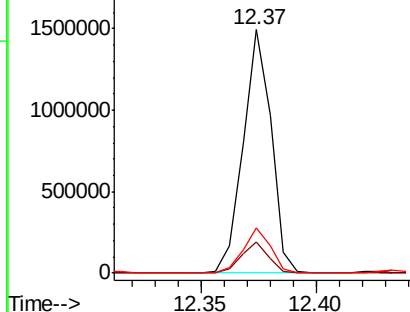
Lab File: BF114829.D

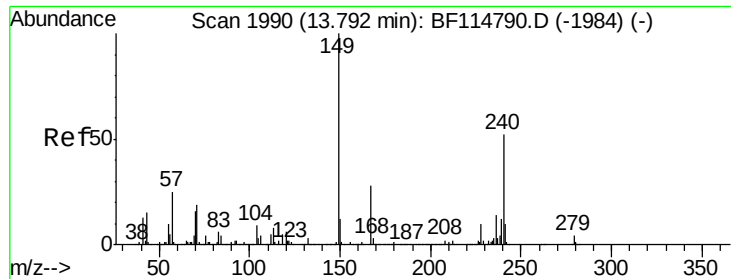
Acq: 5 Jun 2019 20:21

Tgt Ion:	202	Resp:	1262858
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	32.8
203	18.3	0.2	40.2



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: 13.79 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BF114829.D

Acq: 5 Jun 2019 20:21

Instrument :

BNA_F

ClientSampleId :

TP-1

Tot Ion:240 Resp: 1005456

Ion Ratio Lower Upper

240 100

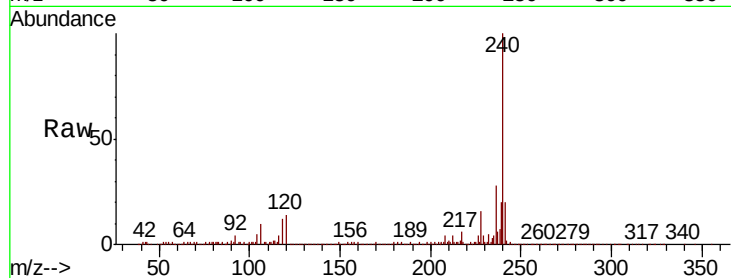
120 13.7 9.0 13.4#

236 28.2 21.4 32.0

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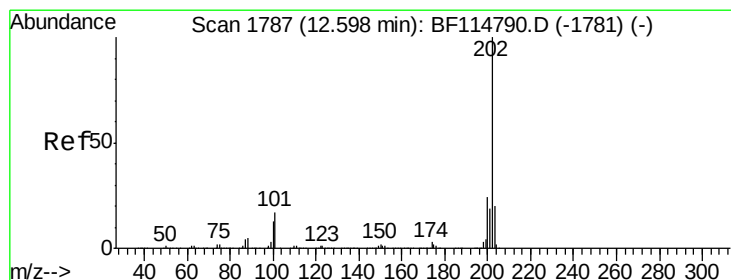
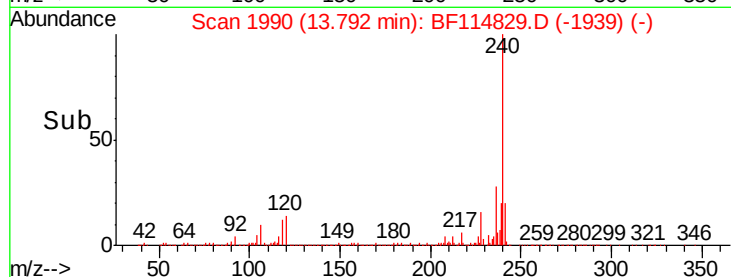
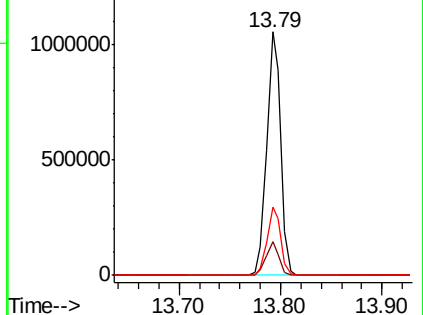
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 12.797 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF114829.D

Acq: 5 Jun 2019 20:21

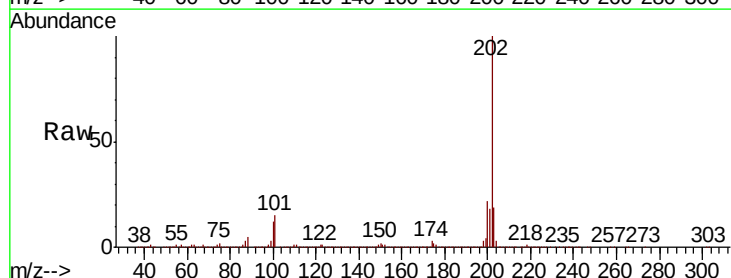
Tgt Ion:202 Resp: 1116241

Ion Ratio Lower Upper

202 100

200 21.8 19.2 28.8

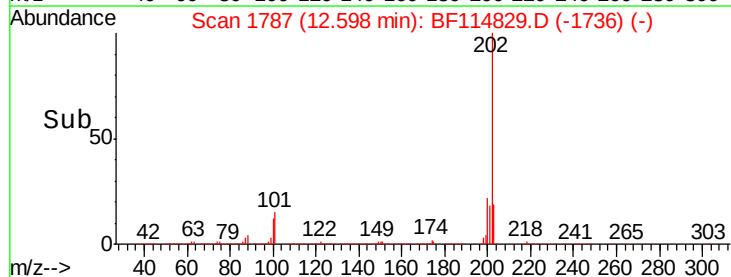
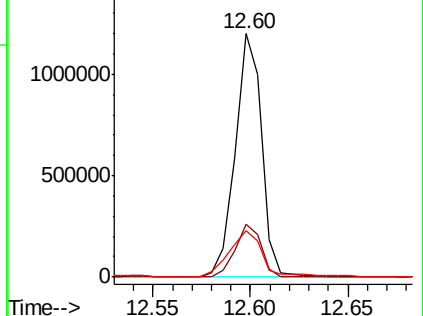
203 19.1 15.9 23.9

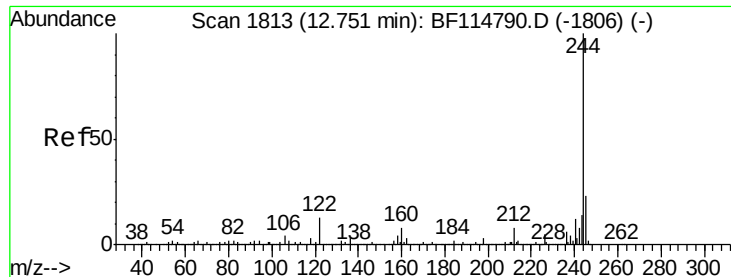


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79
 Terphenyl-d14
 Concen: 66.811 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: BF114829.D
 Acq: 5 Jun 2019 20:21

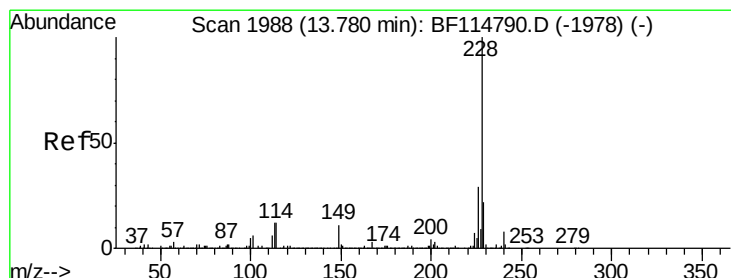
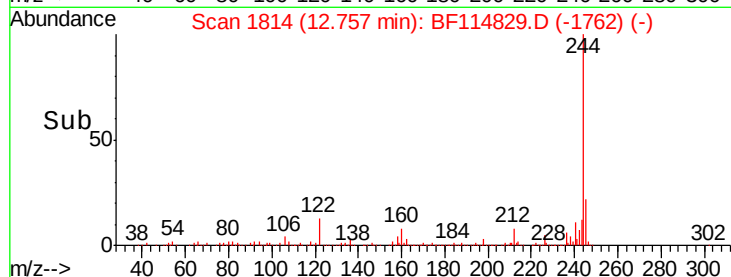
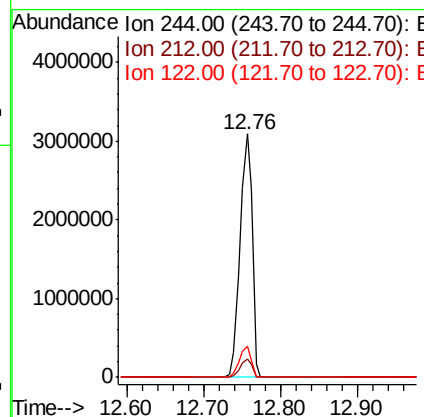
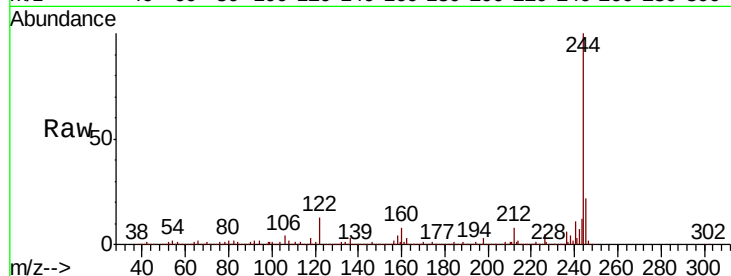
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion:244 Resp: 3454205

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	12.6	10.5	15.7

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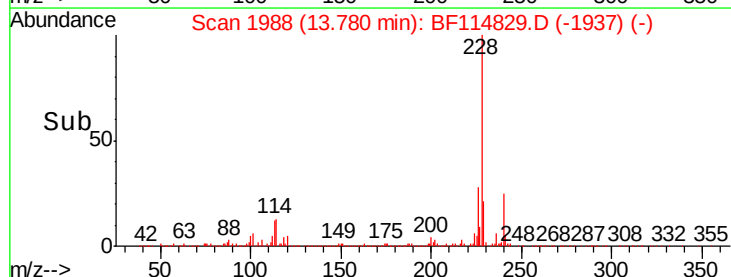
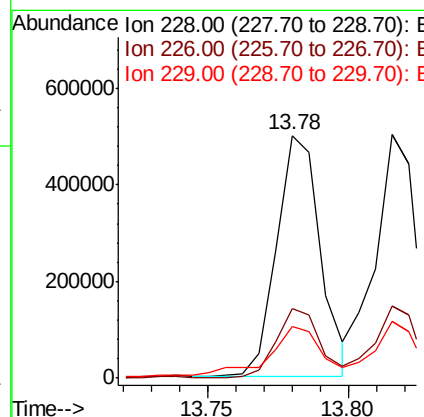
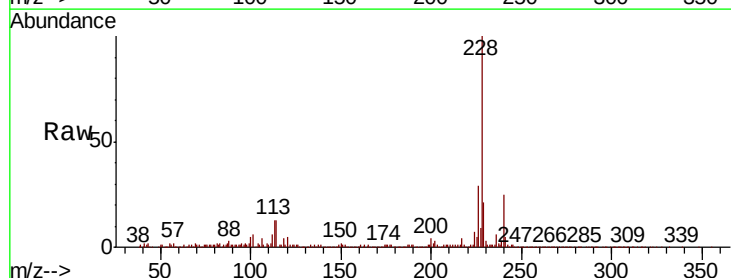
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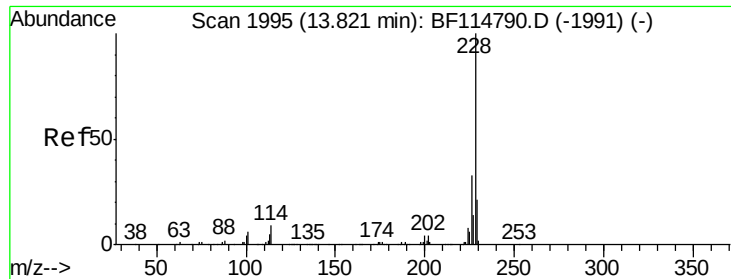


#81
 Benzo(a)anthracene
 Concen: 6.931 ng
 RT: 13.78 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: BF114829.D
 Acq: 5 Jun 2019 20:21

Tgt Ion:228 Resp: 537040

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.4	35.2
229	21.0	17.4	26.0





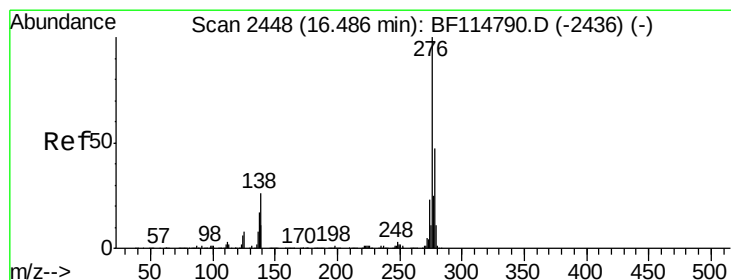
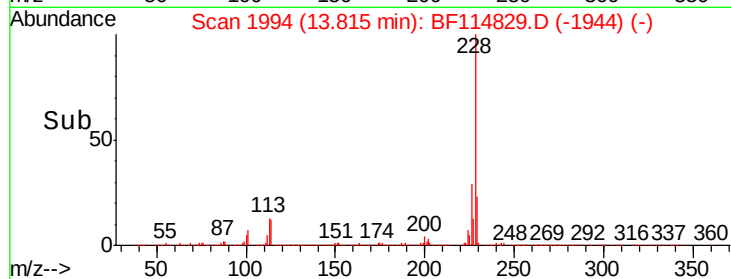
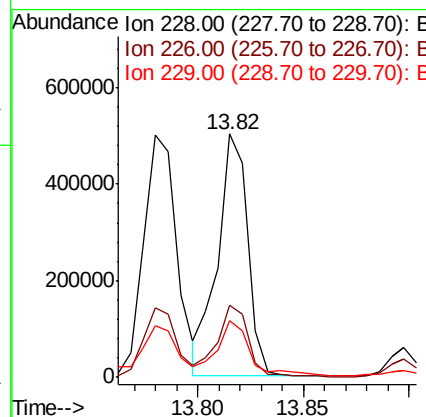
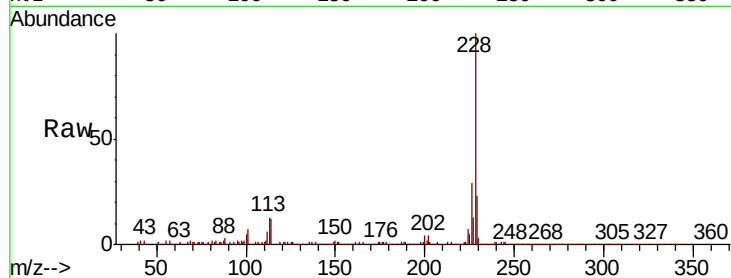
#83
Chrysene
Concen: 6.613 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF114829.D
Acq: 5 Jun 2019 20:21

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	26.0	39.0
229	23.3	17.1	25.7

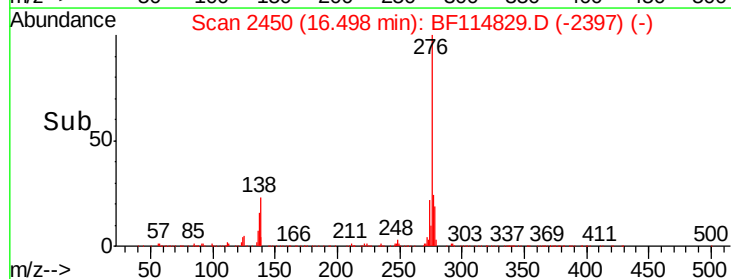
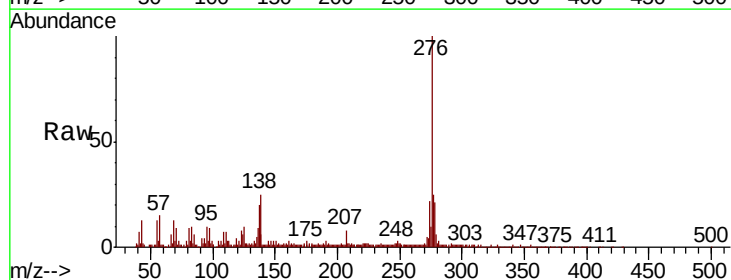
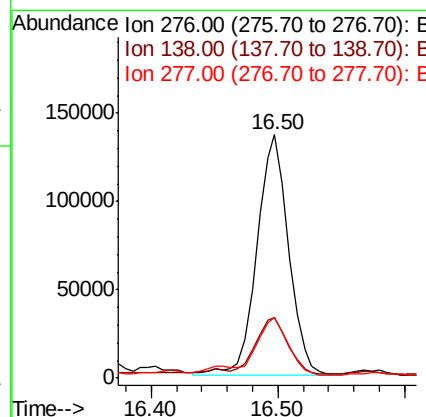
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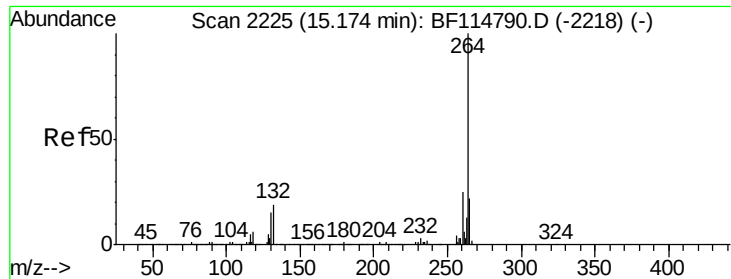
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.783 ng
RT: 16.50 min Scan# 2450
Delta R.T. 0.01 min
Lab File: BF114829.D
Acq: 5 Jun 2019 20:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.2	22.2	33.4
277	23.4	20.6	30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.19 min Scan# 2228

Delta R.T. 0.02 min

Lab File: BF114829.D

Acq: 5 Jun 2019 20:21

Instrument :

BNA_F

ClientSampleId :

TP-1

Tot Ion:264 Resp: 1067273

Ion Ratio Lower Upper

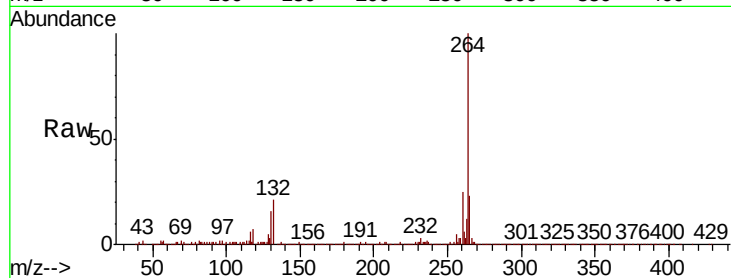
264 100

260 25.2 20.1 30.1

265 22.5 17.7 26.5

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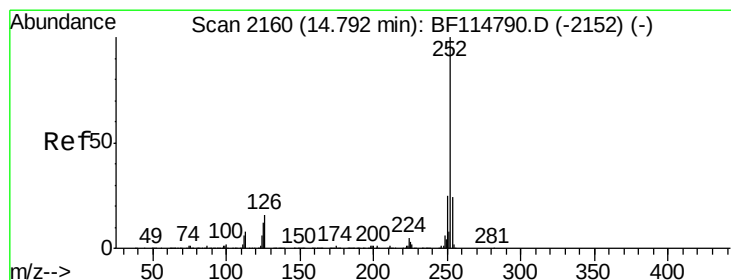
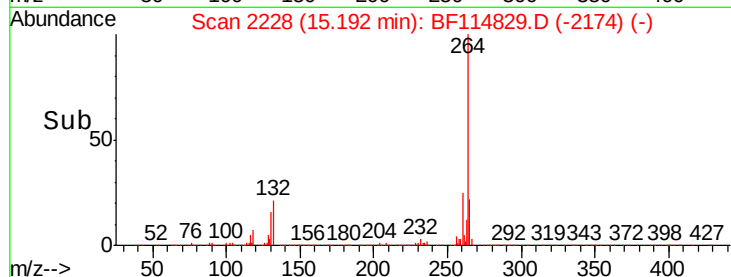
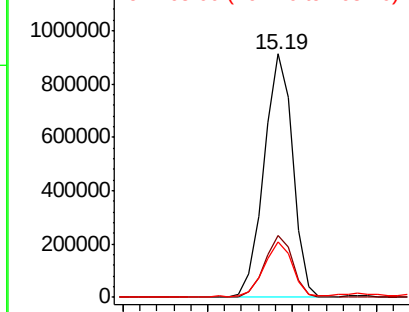


Abundance

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: 9.008 ng m

RT: 14.80 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BF114829.D

Acq: 5 Jun 2019 20:21

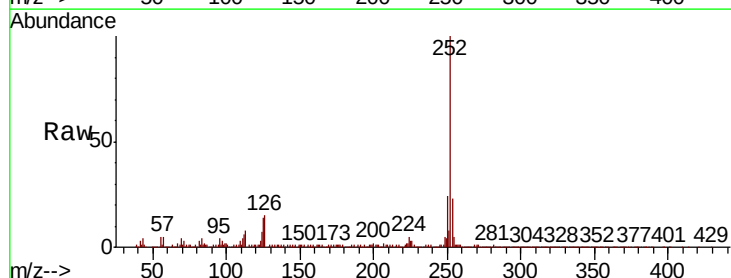
Tgt Ion:252 Resp: 612049

Ion Ratio Lower Upper

252 100

253 23.1 19.0 28.6

125 13.5 9.4 14.0

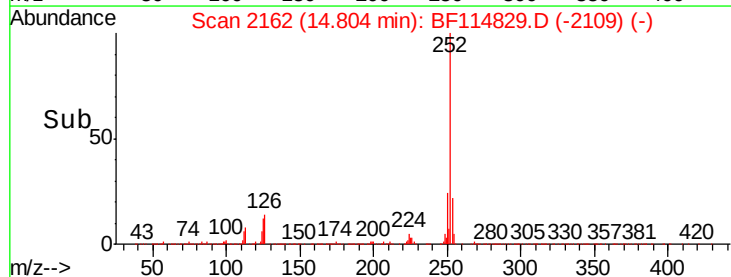
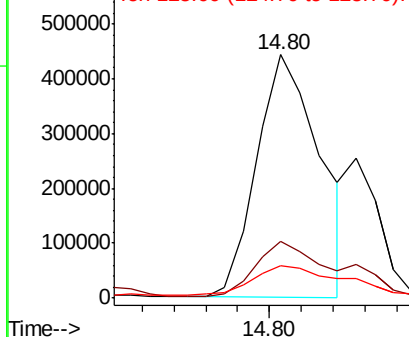


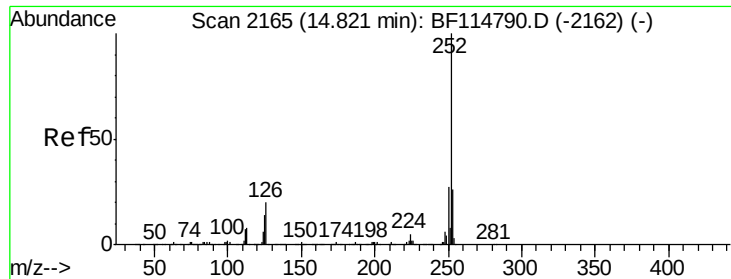
Abundance

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





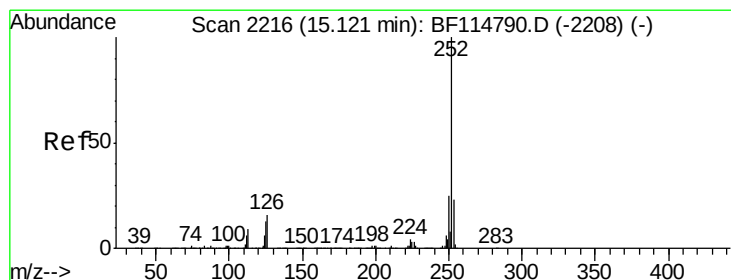
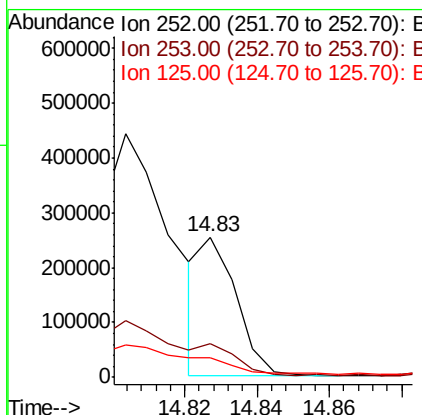
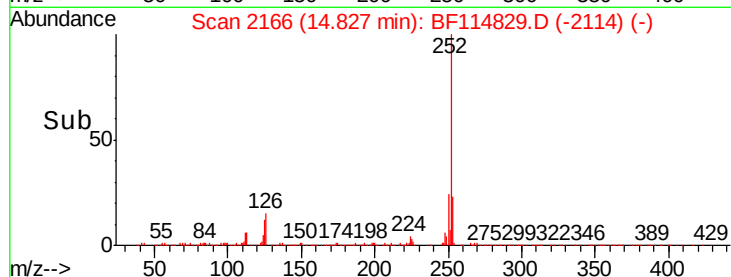
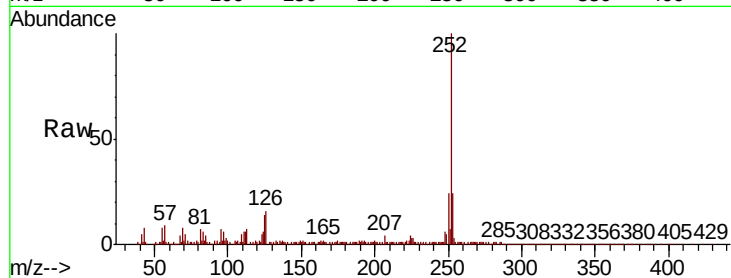
#89
Benzo(k)fluoranthene
Concen: 2.947 ng m
RT: 14.83 min Scan# 2166
Delta R.T. 0.01 min
Lab File: BF114829.D
Acq: 5 Jun 2019 20:21

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.3	28.9
125	13.6	10.1	15.1

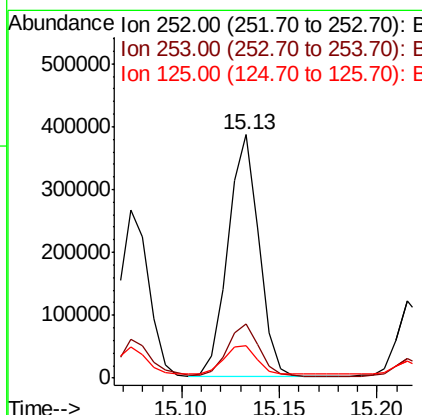
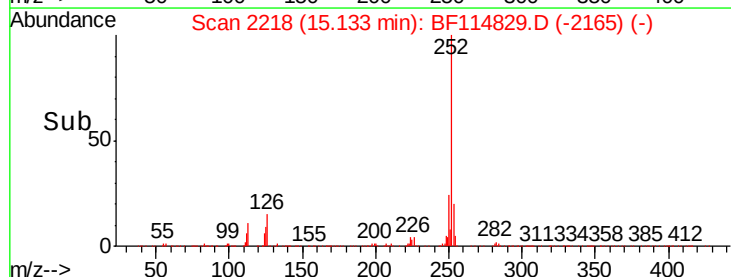
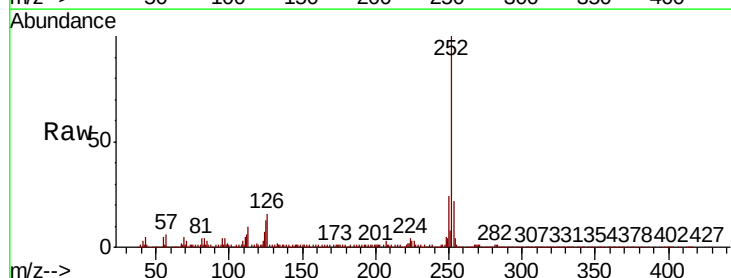
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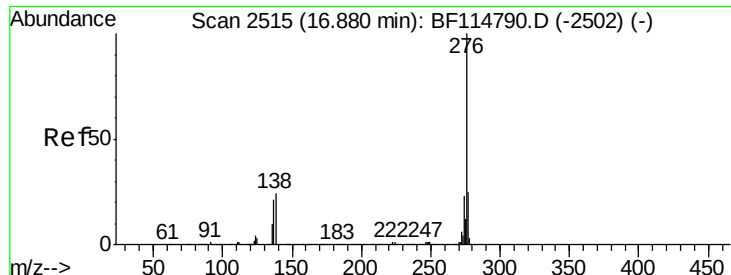
mohammad
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#90
Benzo(a)pyrene
Concen: 7.231 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF114829.D
Acq: 5 Jun 2019 20:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.5	27.7
125	13.1	10.1	15.1





#92
 Benzo(a,h,i)perylene
 Concen: 3.714 ng
 RT: 16.89 min Scan# 2516
 Delta R.T. 0.01 min
 Lab File: BF114829.D
 Acq: 5 Jun 2019 20:21

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	23.7	19.8	29.6		
138	25.8	19.4	29.2		

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