

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114824.D
 Acq On : 5 Jun 2019 18:09
 Operator : HP/JU
 Sample : K3183-11
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

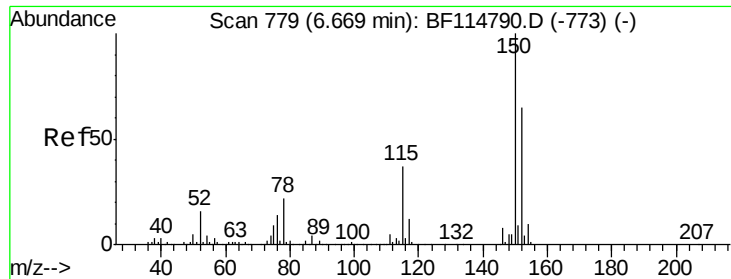
Manual Integrations
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 6/6/2019 4:50:03 PM

Quant Time: Jun 06 05:43:07 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	304872	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1177928	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	601693	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1225628	20.00	ng	0.00
76) Chrysene-d12	13.79	240	894653	20.00	ng	0.00
87) Perylene-d12	15.18	264	899777	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1682125	96.41	ng	0.00
7) Phenol-d6	6.30	99	2046498	96.39	ng	0.00
23) Nitrobenzene-d5	7.23	82	1247364	65.19	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	640589	98.79	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2223860	69.24	ng	0.00
79) Terphenyl-d14	12.76	244	2506018	54.47	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.42	163	530609	12.074	ng	99
71) Phenanthrene	11.19	178	940097	16.067	ng	96
72) Anthracene	11.25	178	224418	3.645	ng	93
75) Fluoranthene	12.39	202	1380403	22.668	ng	98
78) Pyrene	12.60	202	1329679	17.132	ng	97
81) Benzo(a)anthracene	13.79	228	602968	8.746	ng	99
83) Chrysene	13.82	228	628902	9.377	ng	96
86) Indeno(1,2,3-cd)pyrene	16.49	276	331987	4.338	ng	97
88) Benzo(b)fluoranthene	14.79	252	688985m	12.028	ng	
89) Benzo(k)fluoranthene	14.82	252	216207m	4.445	ng	
90) Benzo(a)pyrene	15.12	252	487223	9.827	ng	98
92) Benzo(a,h,i)perylene	16.88	276	301958	6.395	ng	98

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



#1

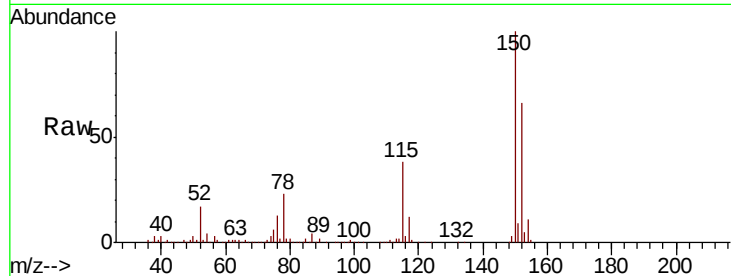
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	124.0	186.0
115	57.3	46.3	69.5

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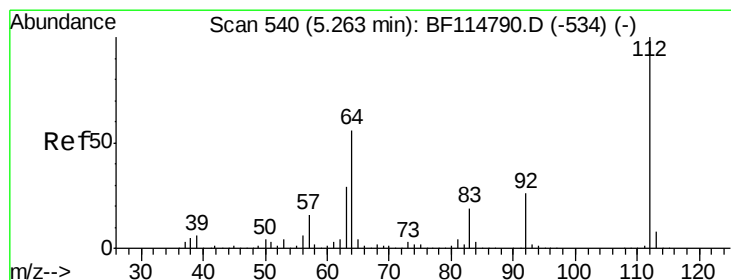
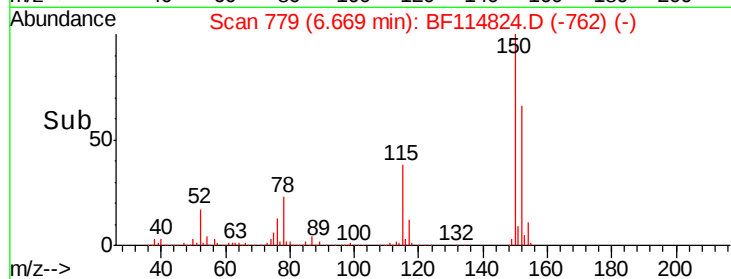
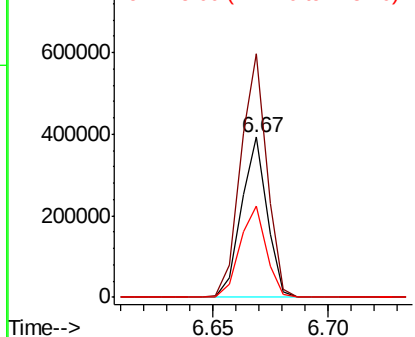


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

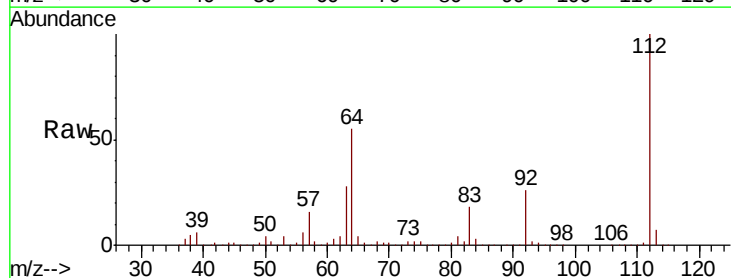
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.410 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.6	66.8
63	27.7	23.0	34.4

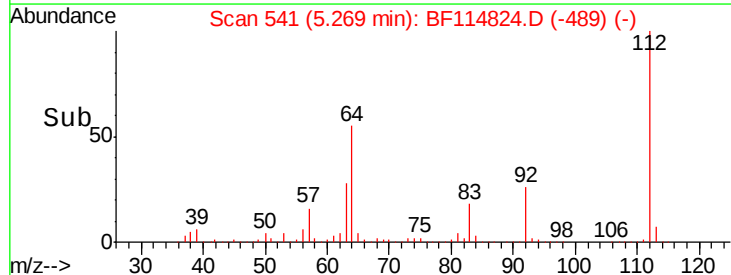
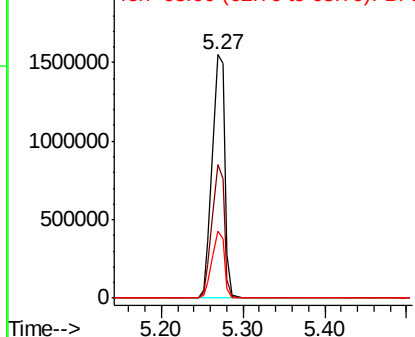


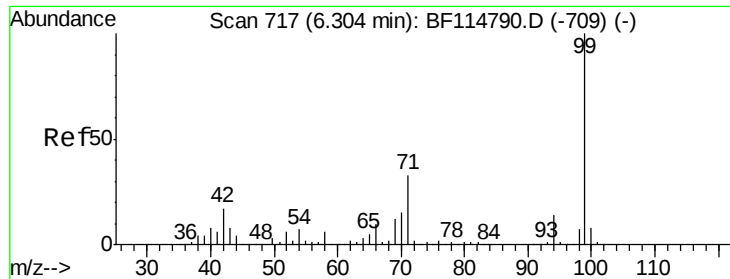
Abundance

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: 96.395 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114824.D

Acq: 5 Jun 2019 18:09

Instrument :

BNA_F

ClientSampled :

TP-4

Tot Ion: 99 Resp: 2046498

Ion Ratio Lower Upper

99 100

42 16.8 13.3 19.9

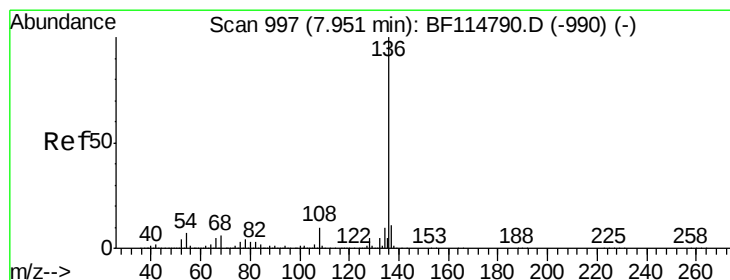
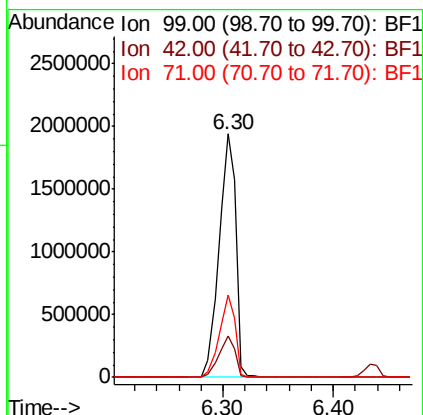
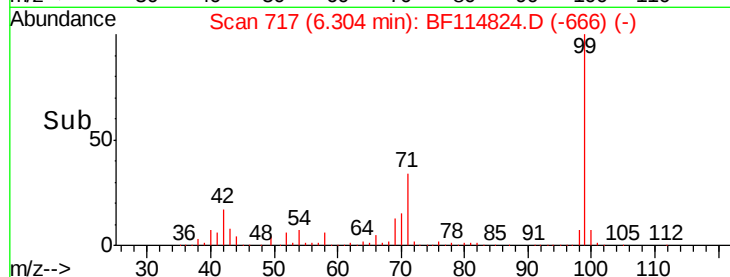
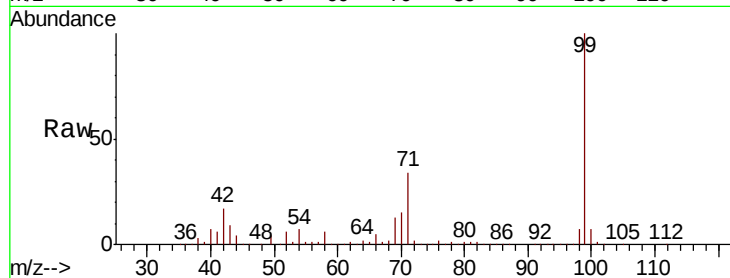
71 33.8 26.3 39.5

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF114824.D

Acq: 5 Jun 2019 18:09

Tgt Ion: 136 Resp: 1177928

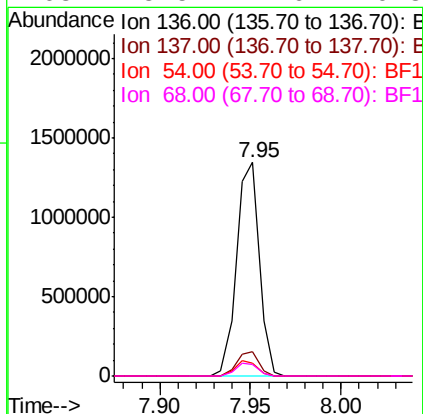
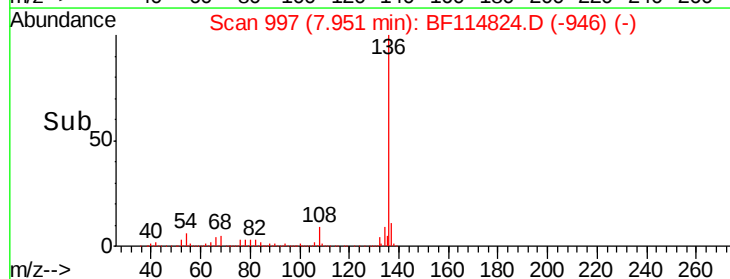
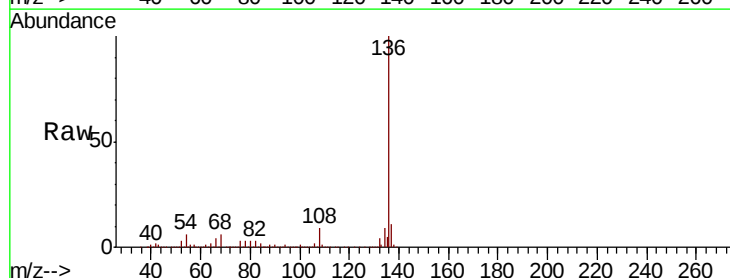
Ion Ratio Lower Upper

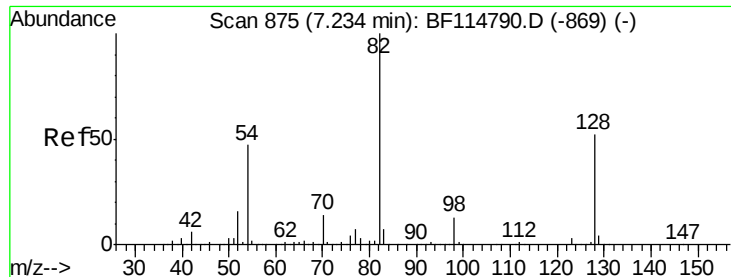
136 100

137 11.1 9.1 13.7

54 6.2 5.4 8.0

68 5.5 4.6 6.8





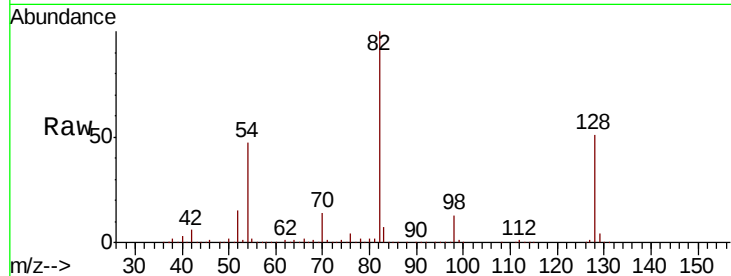
#23
Nitrobenzene-d5
Concen: 65.187 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	82	Resp	1247364
Ion Ratio	100	Lower	Upper
128	51.2	41.8	62.6
54	46.6	37.9	56.9

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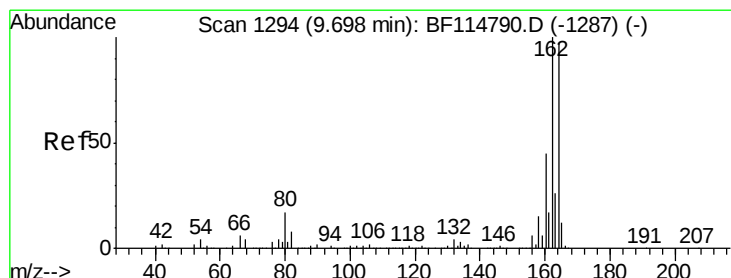
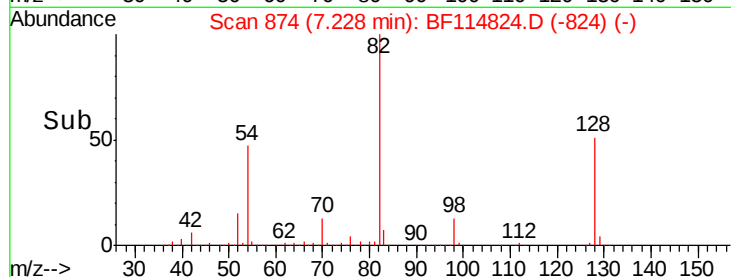
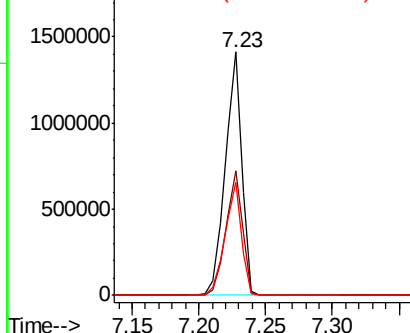


Abundance

Ion 82.00 (81.70 to 82.70): BF1

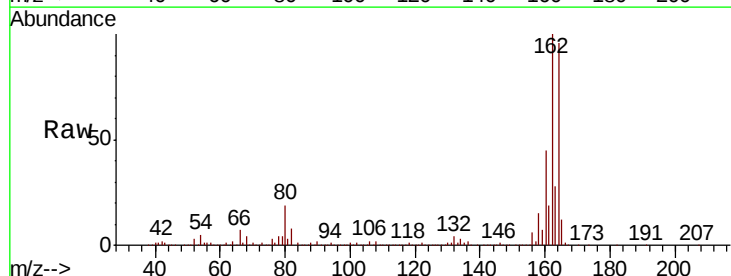
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Tgt Ion	164	Resp	601693
Ion Ratio	100	Lower	Upper
162	103.6	82.3	123.5
160	46.8	36.7	55.1

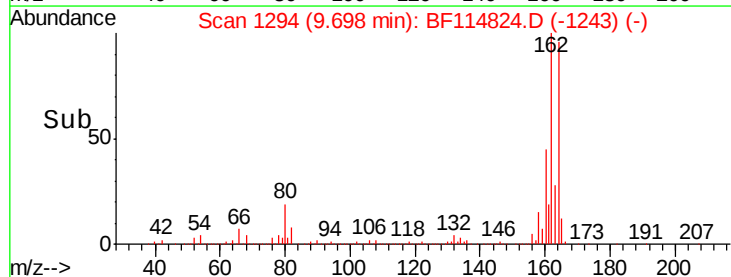
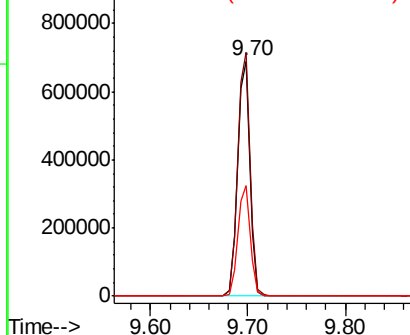


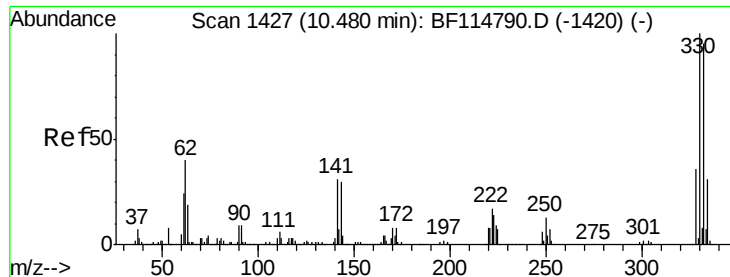
Abundance

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: 98.792 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.00 min

Lab File: BF114824.D

Acq: 5 Jun 2019 18:09

Instrument :

BNA_F

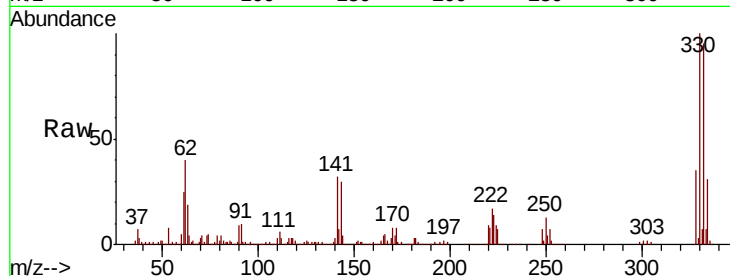
ClientSampleId :

TP-4

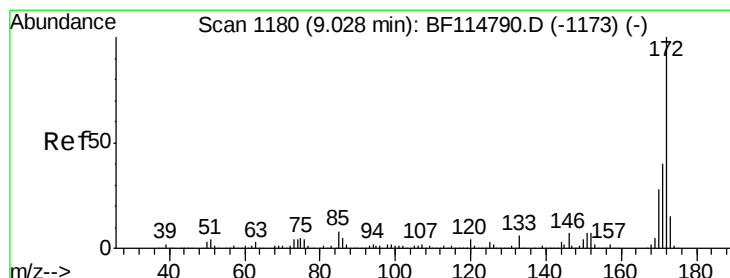
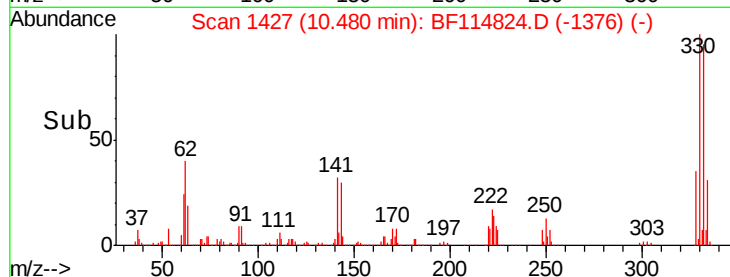
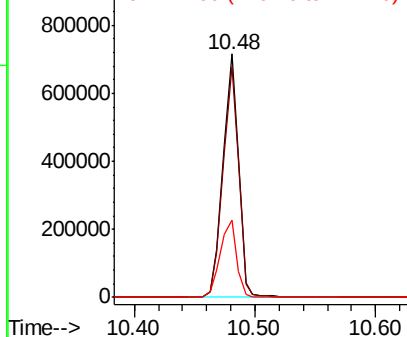
Tot Ion:	330	Resp:	640589
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.3	115.9
141	32.7	26.2	39.4

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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: 69.236 ng

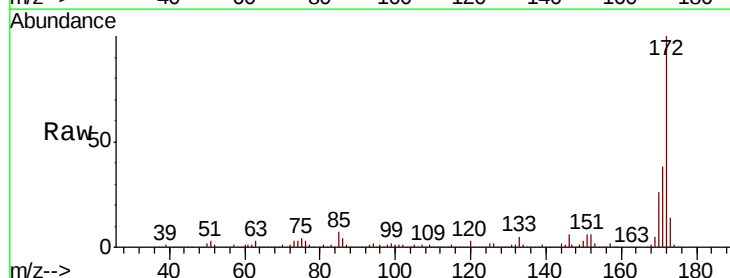
RT: 9.03 min Scan# 1180

Delta R.T. 0.00 min

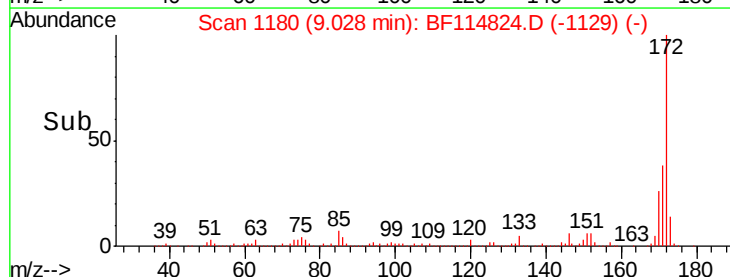
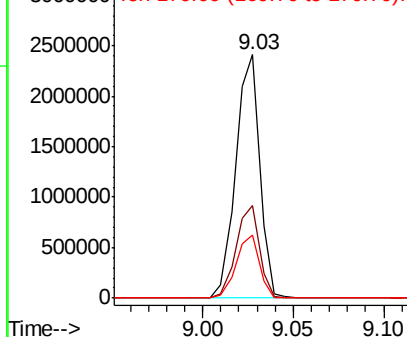
Lab File: BF114824.D

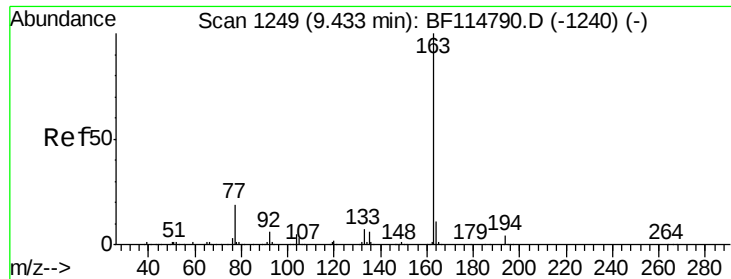
Acq: 5 Jun 2019 18:09

Tgt Ion:	172	Resp:	2223860
Ion Ratio	Lower	Upper	
172	100		
171	38.1	32.3	48.5
170	26.1	22.4	33.6



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





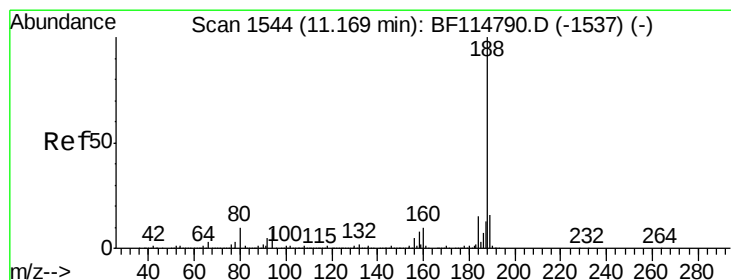
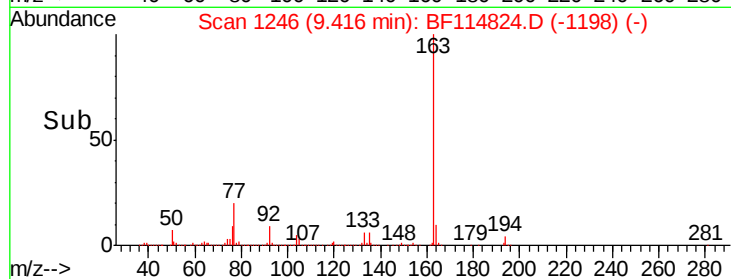
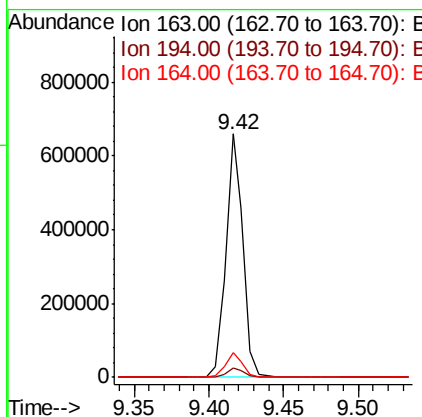
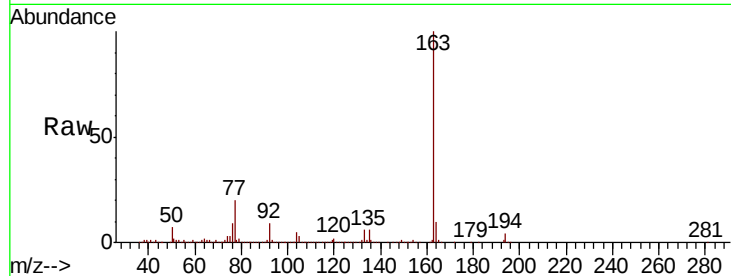
#50
Dimethylphthalate
Concen: 12.074 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Resp	Lower	Upper
163	100	530609		
194	3.8		3.4	5.2
164	10.2		8.6	13.0

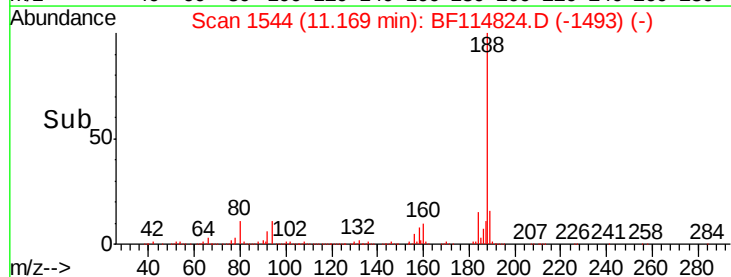
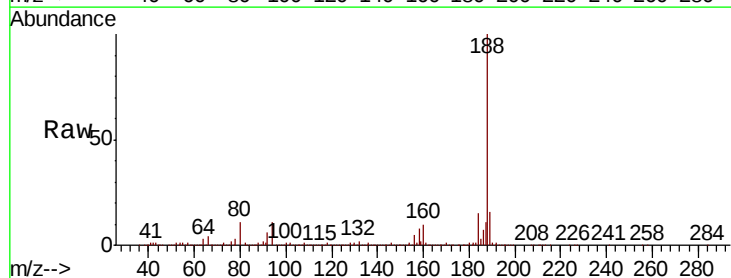
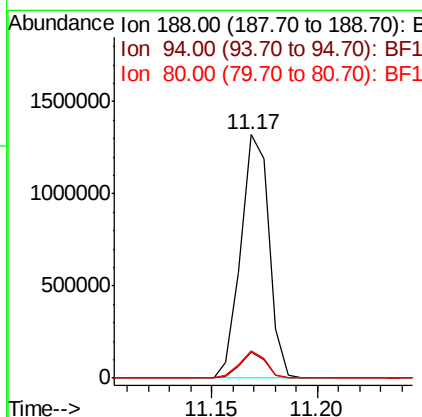
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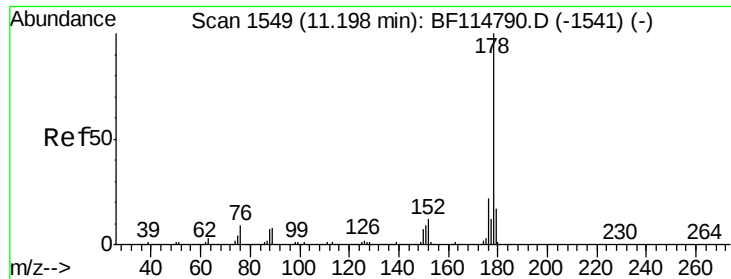
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1544
Delta R.T. 0.00 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1225628		
94	10.6		7.6	11.4
80	11.0		8.3	12.5





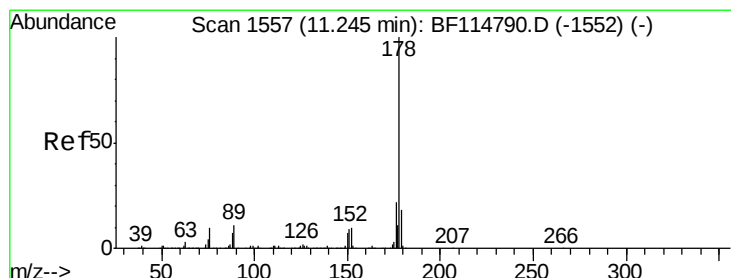
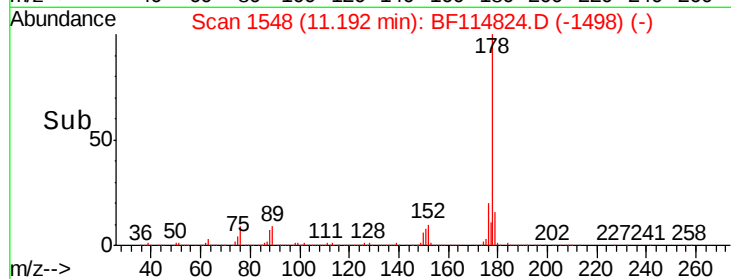
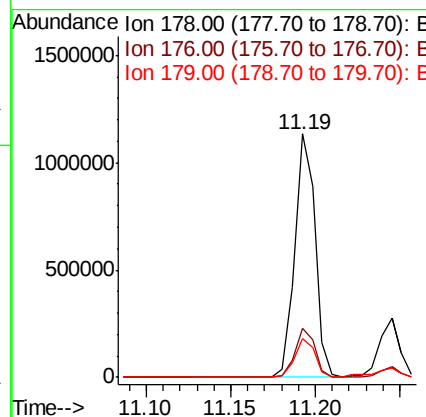
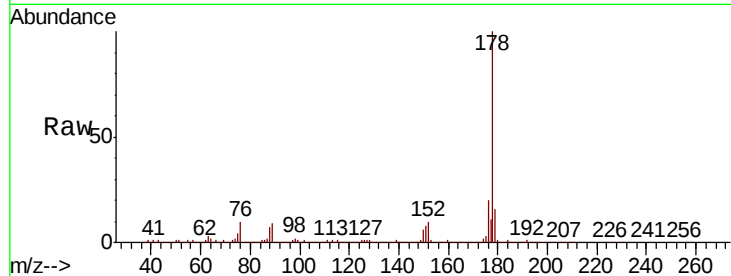
#71
Phenanthrene
Concen: 16.067 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	17.7	26.5
179	16.0	13.7	20.5

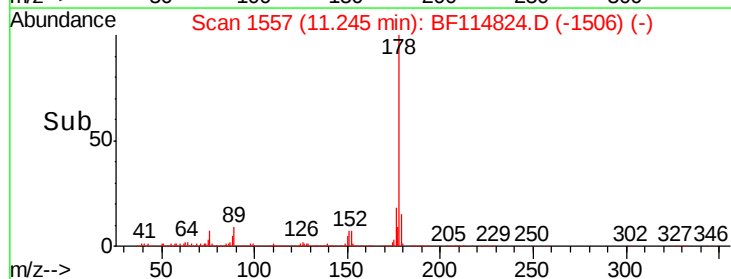
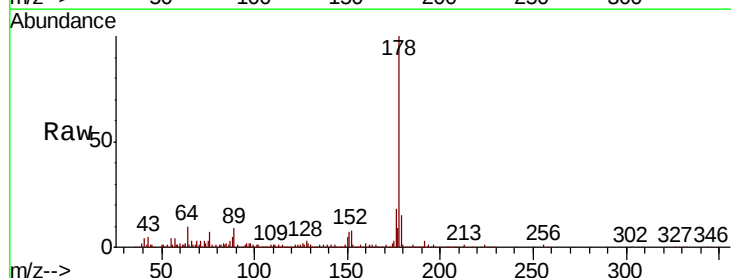
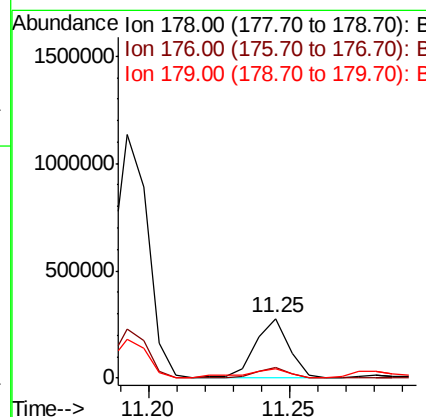
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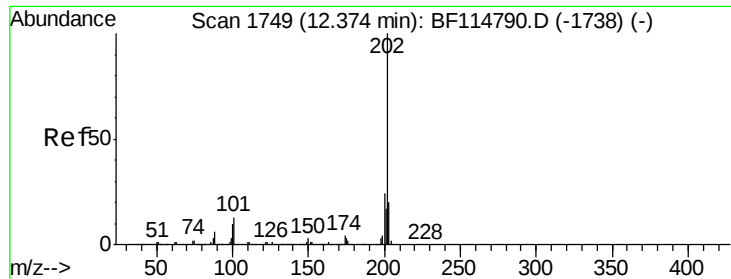
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#72
Anthracene
Concen: 3.645 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	17.4	26.0
179	15.0	14.2	21.4





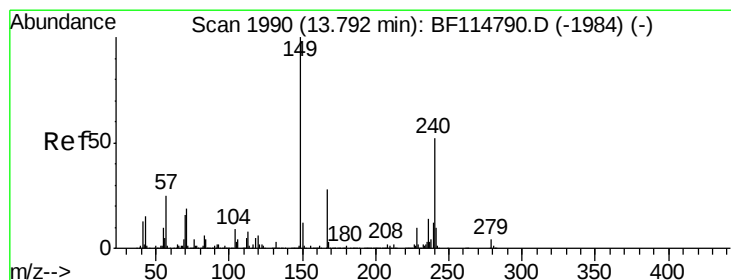
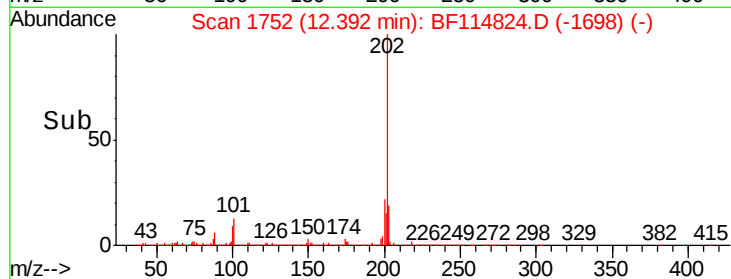
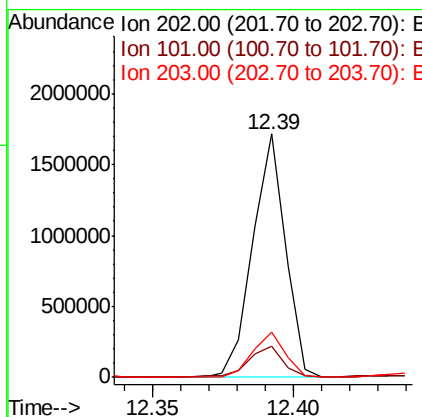
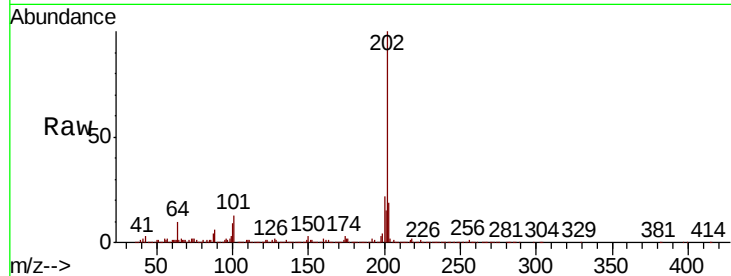
#75
 Fluoranthene
 Concen: 22.668 ng
 RT: 12.39 min Scan# 1752
 Delta R.T. 0.02 min
 Lab File: BF114824.D
 Acq: 5 Jun 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	32.8
203	18.7	0.2	40.2

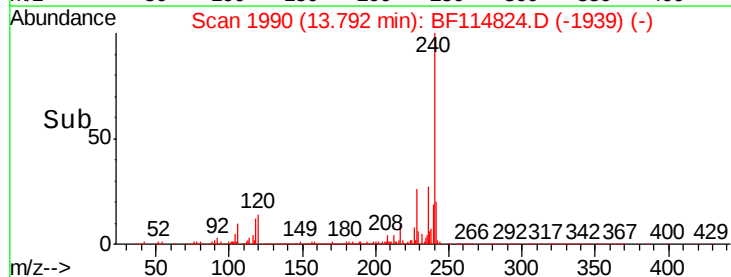
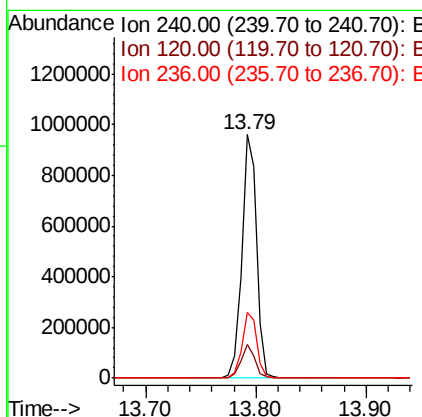
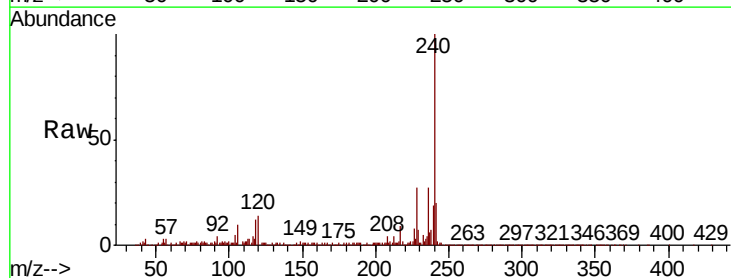
Manual Integrations
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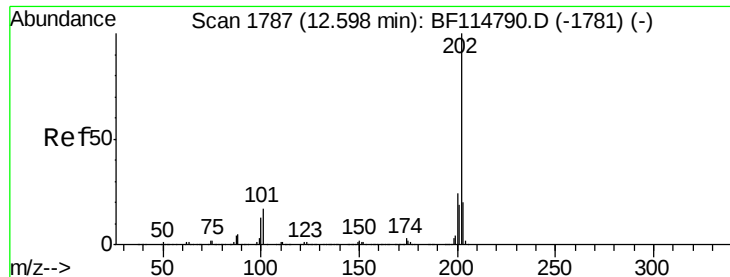
mohammad
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.79 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: BF114824.D
 Acq: 5 Jun 2019 18:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.9	9.0	13.4#
236	27.0	21.4	32.0





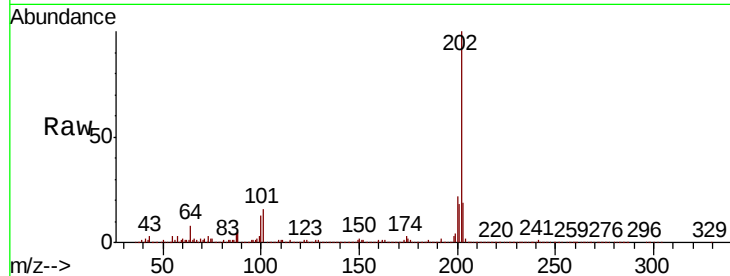
#78
Pvrene
Concen: 17.132 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.01 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	19.2	28.8
203	18.6	15.9	23.9

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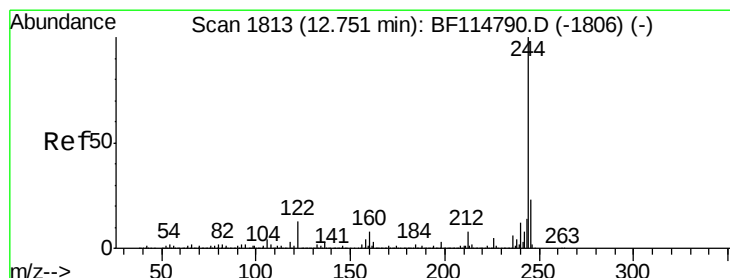
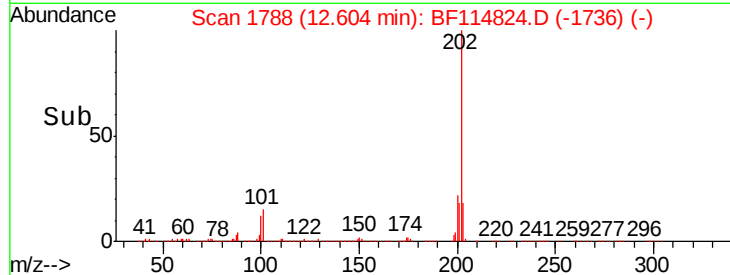
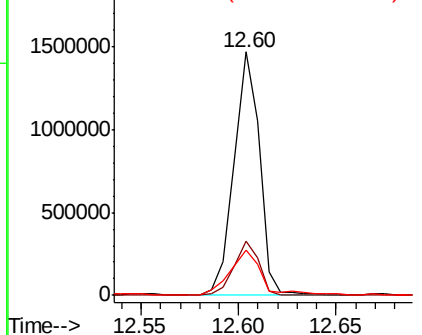


Abundance

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: 54.475 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

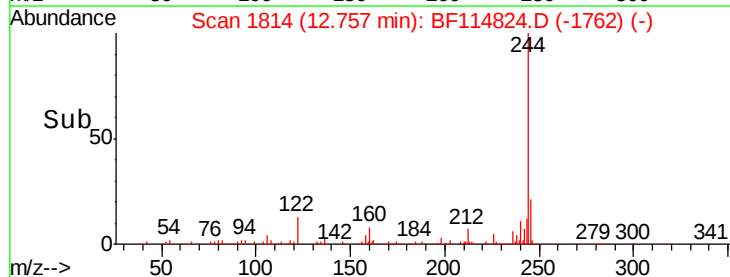
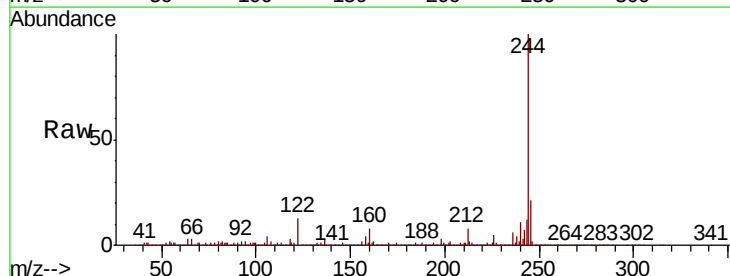
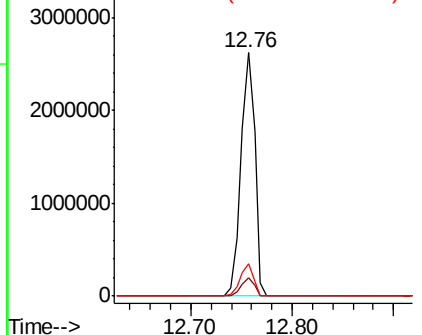
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.5	9.7
122	13.2	10.5	15.7

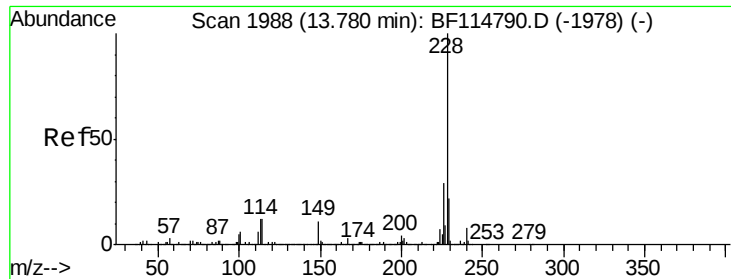
Abundance

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





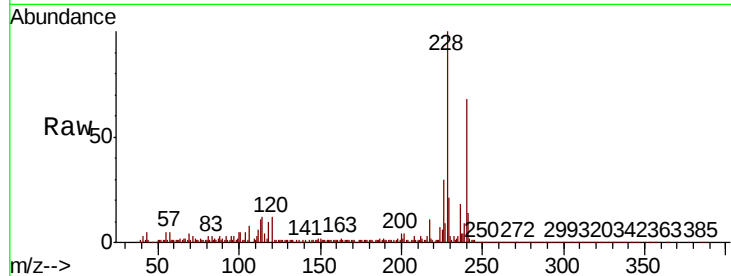
#81
Benzo(a)anthracene
Concen: 8.746 ng
RT: 13.79 min Scan# 1989
Delta R.T. 0.01 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Instrument :
BNA_F
ClientSampleId :
TP-4

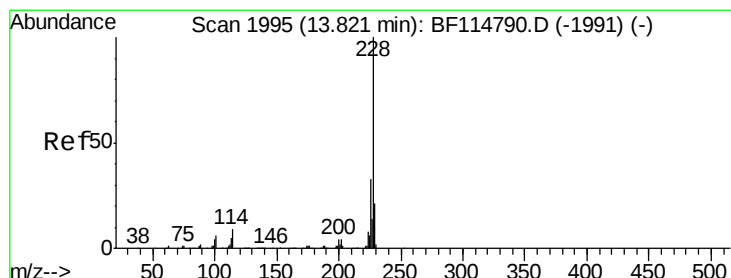
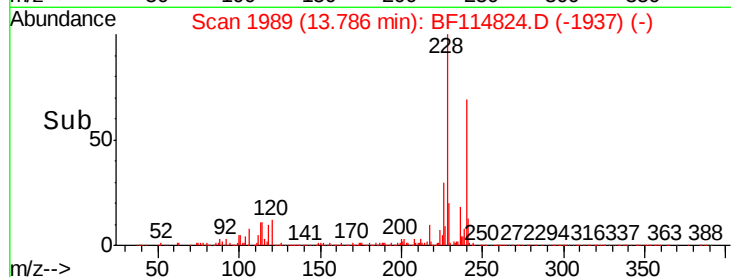
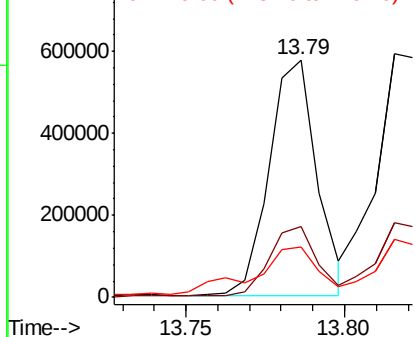
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.2
229	21.1	17.4	26.0

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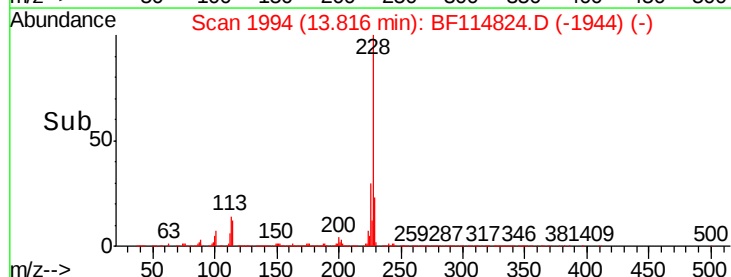
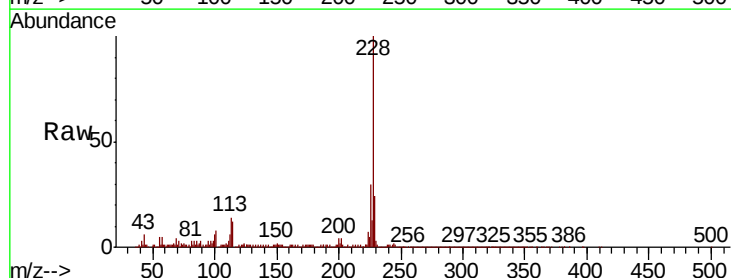
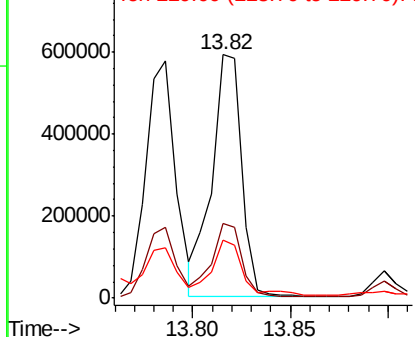
Abundance Ion 228.00 (227.70 to 228.70): E
800000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

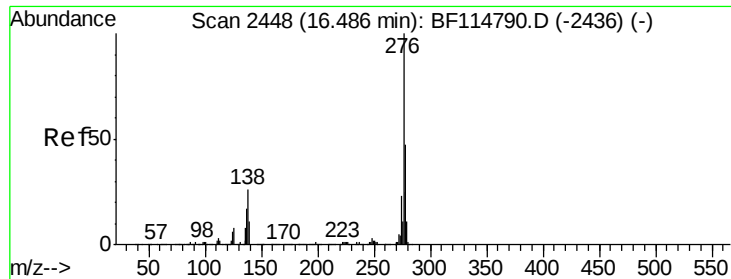


#83
Chrysene
Concen: 9.377 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	26.0	39.0
229	23.7	17.1	25.7

Abundance Ion 228.00 (227.70 to 228.70): E
800000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





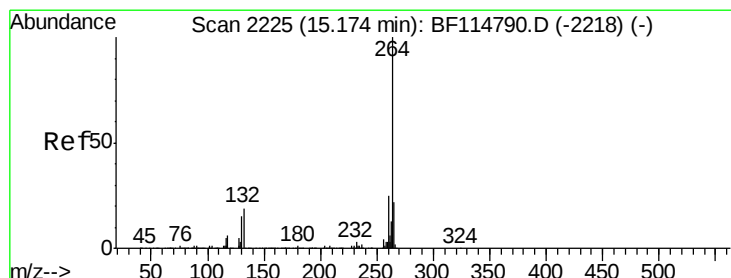
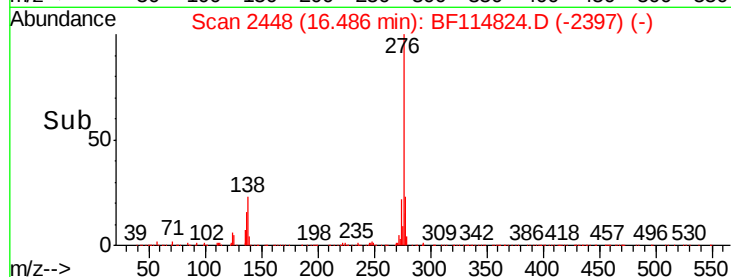
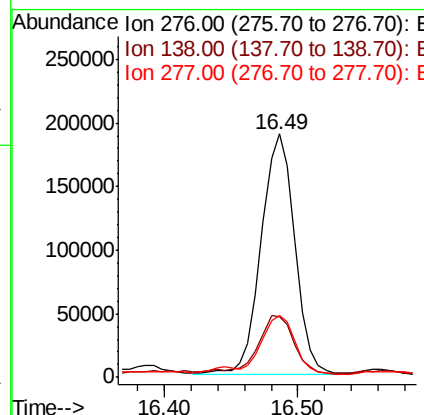
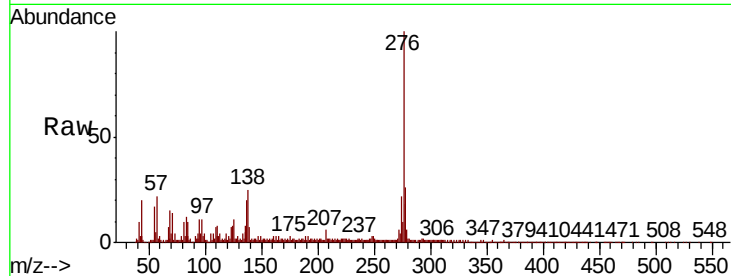
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.338 ng
 RT: 16.49 min Scan# 2448
 Delta R.T. 0.00 min
 Lab File: BF114824.D
 Acq: 5 Jun 2019 18:09

Instrument :
 BNA_F
 ClientSampled :
 TP-4

Tot Ion:	276	Resp:	331987
Ion Ratio	Lower	Upper	
276	100		
138	25.8	22.2	33.4
277	27.1	20.6	30.8

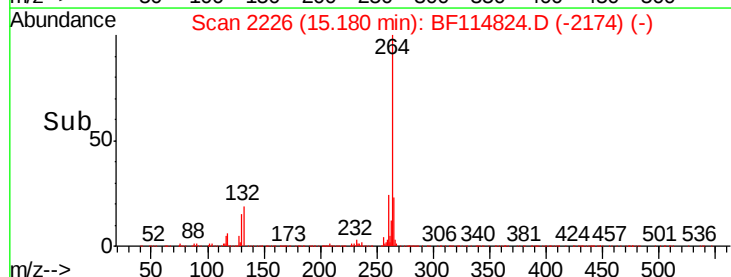
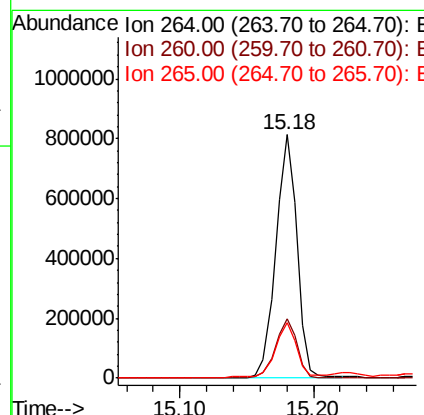
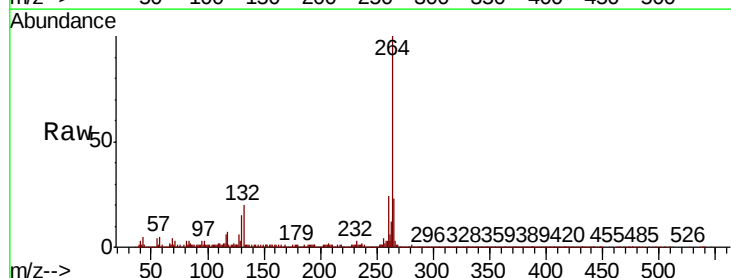
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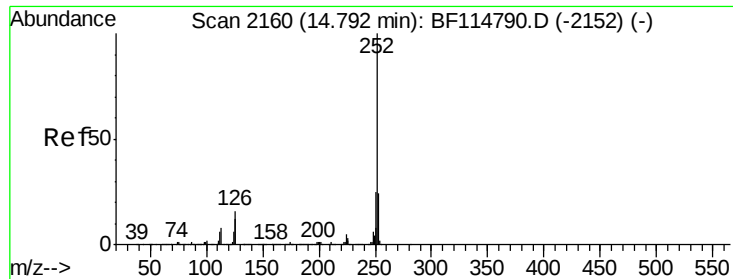
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.18 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: BF114824.D
 Acq: 5 Jun 2019 18:09

Tgt Ion:	264	Resp:	899777
Ion Ratio	Lower	Upper	
264	100		
260	24.3	20.1	30.1
265	22.9	17.7	26.5





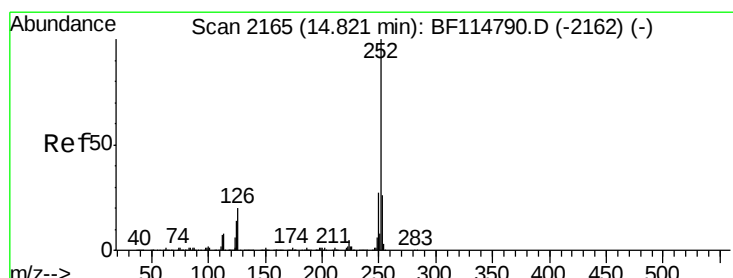
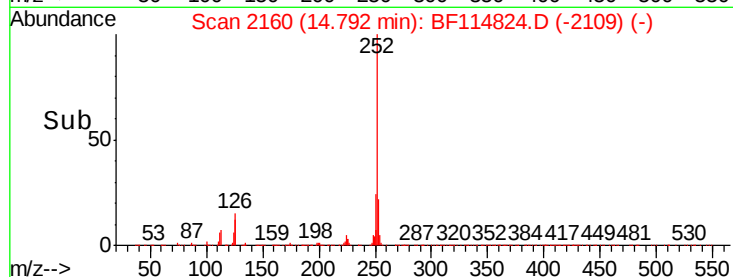
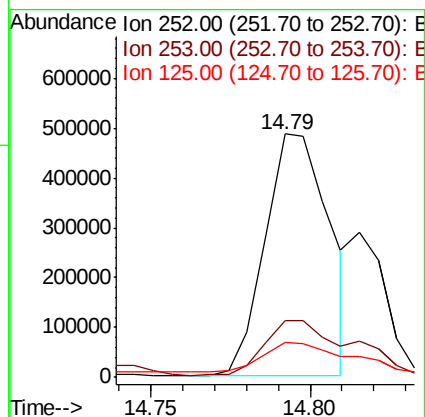
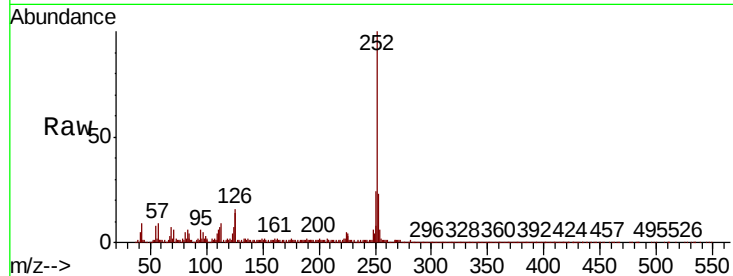
#88
Benzo(b)fluoranthene
Concen: 12.028 ng m
RT: 14.79 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.0	28.6
125	14.1	9.4	14.0

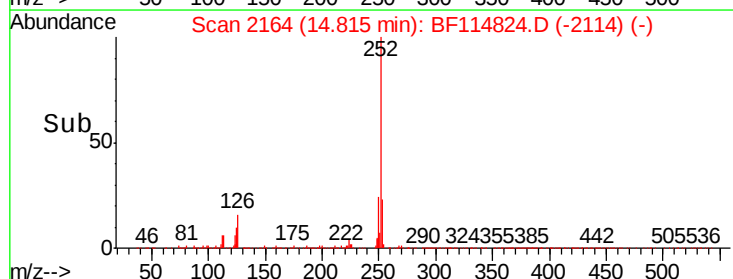
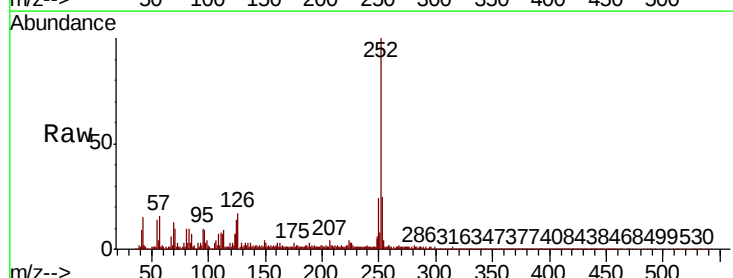
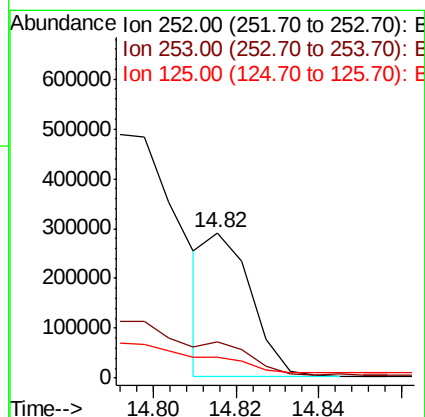
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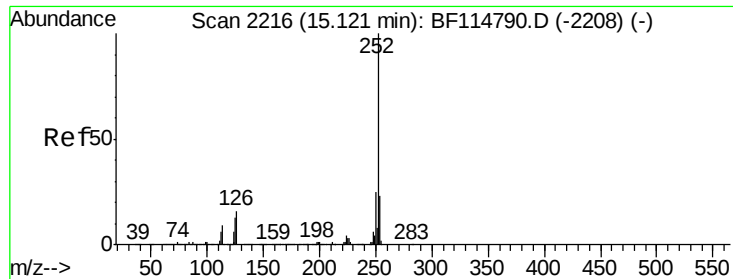
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#89
Benzo(k)fluoranthene
Concen: 4.445 ng m
RT: 14.82 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	19.3	28.9
125	14.3	10.1	15.1





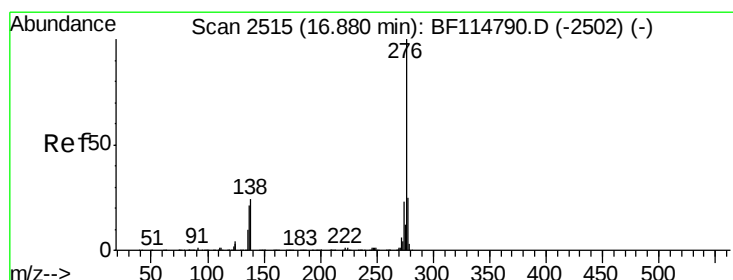
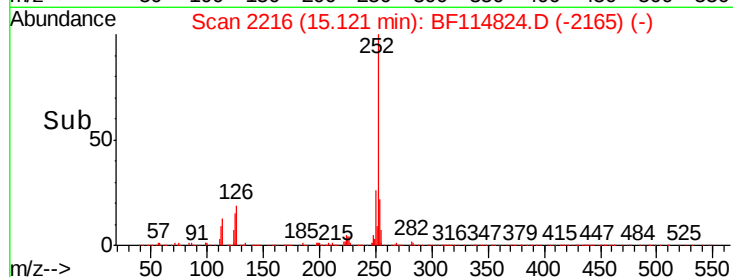
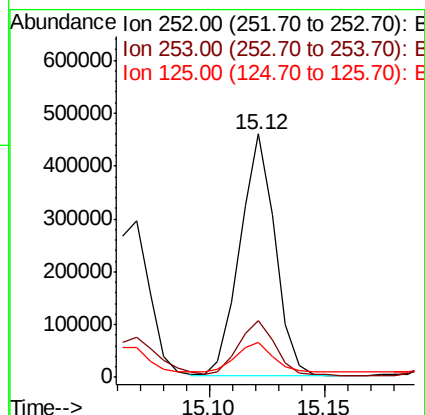
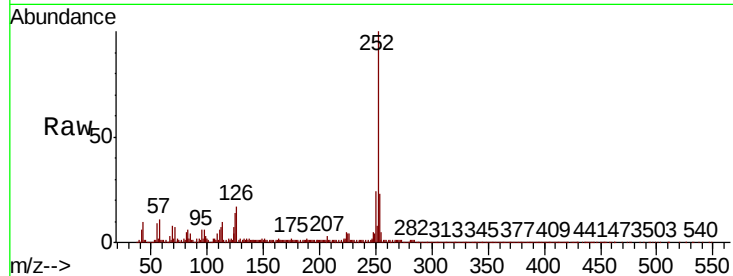
#90
Benzo(a)pyrene
Concen: 9.827 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	14.5	10.1	15.1

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.395 ng
RT: 16.88 min Scan# 2515
Delta R.T. 0.00 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.8	29.6
138	25.3	19.4	29.2

