

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052019\
 Data File : BF114431.D
 Acq On : 20 May 2019 11:53
 Operator : JU/SJ
 Sample : K2894-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-9-10

Manual Integrations
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 5/21/2019 3:25:45 PM

Quant Time: May 20 14:51:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	181604	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	660634	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	274932	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	456475	20.00	ng	0.00
76) Chrysene-d12	14.00	240	370366	20.00	ng	0.00
87) Perylene-d12	15.48	264	477992	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1076584	95.40	ng	0.00
7) Phenol-d6	6.47	99	1394642	104.49	ng	-0.01
23) Nitrobenzene-d5	7.39	82	828456	70.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	249723	87.86	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1252799	68.93	ng	0.00
79) Terphenyl-d14	12.93	244	903052	50.26	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.58	163	166608	8.255	ng	# 99
71) Phenanthrene	11.37	178	56460	2.542	ng	95
75) Fluoranthene	12.57	202	153260	6.408	ng	97
78) Pyrene	12.79	202	159767	5.362	ng	97
81) Benzo(a)anthracene	13.99	228	129497	5.406	ng	98
83) Chrysene	14.02	228	109311	4.655	ng	99
86) Indeno(1,2,3-cd)pyrene	16.95	276	177547	8.555	ng	97
88) Benzo(b)fluoranthene	15.05	252	276105m	9.016	ng	
89) Benzo(k)fluoranthene	15.07	252	96320m	3.424	ng	
90) Benzo(a)pyrene	15.42	252	272407	10.108	ng	99
92) Benzo(g,h,i)perylene	17.40	276	179866	8.014	ng	99

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

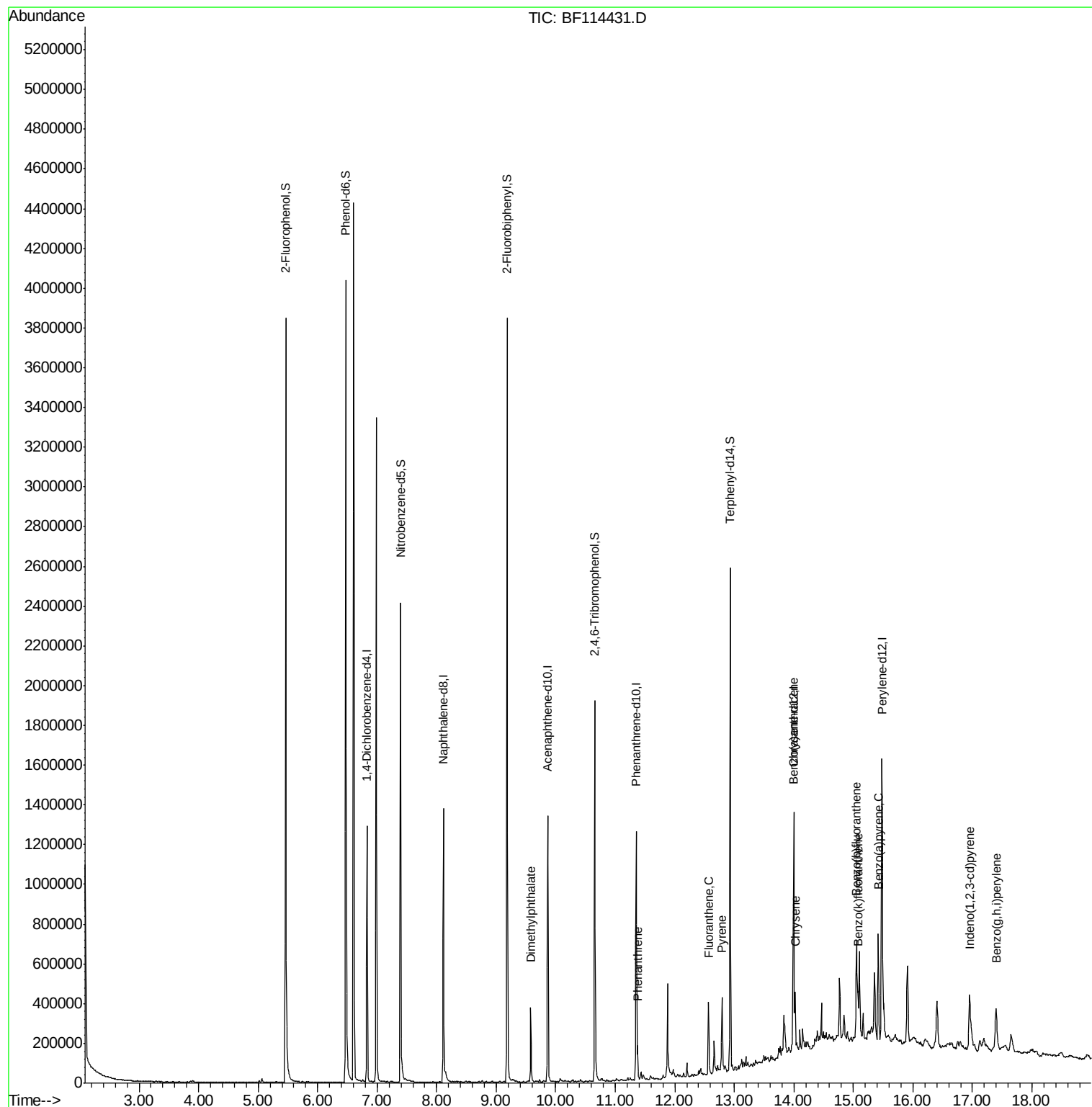
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052019\
Data File : BF114431.D
Acq On : 20 May 2019 11:53
Operator : JU/SJ
Sample : K2894-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

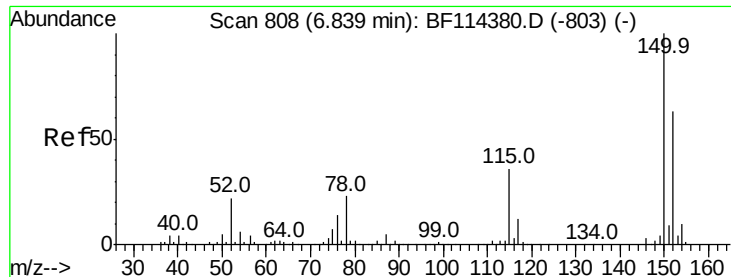
Instrument :
BNA_F
ClientSampleId :
SB-04-9-10

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Quant Time: May 20 14:51:56 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

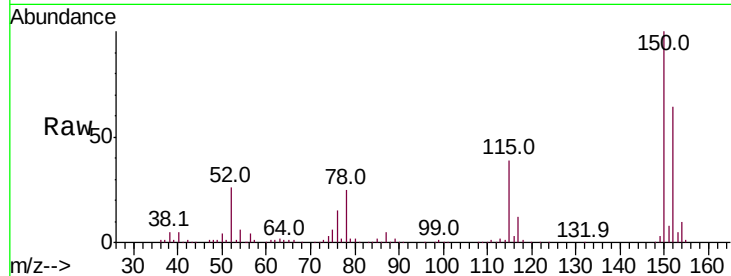
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Instrument :
BNA_F
ClientSampleId :
SB-04-9-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.3	186.5
115	60.7	49.1	73.7

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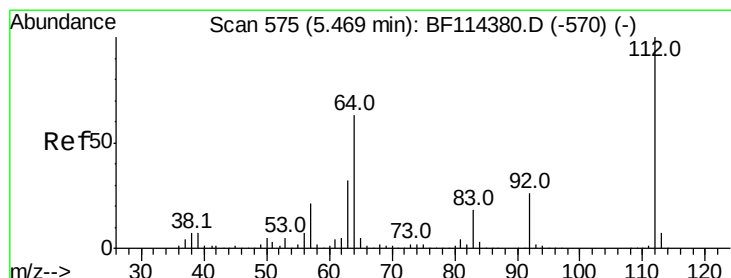
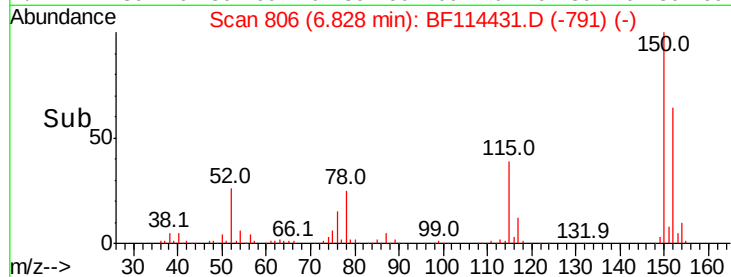
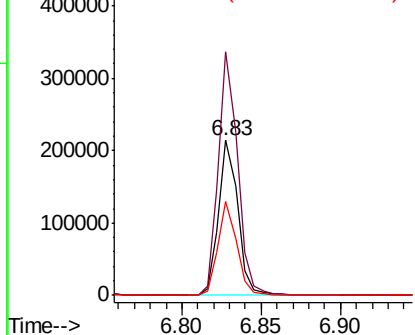


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

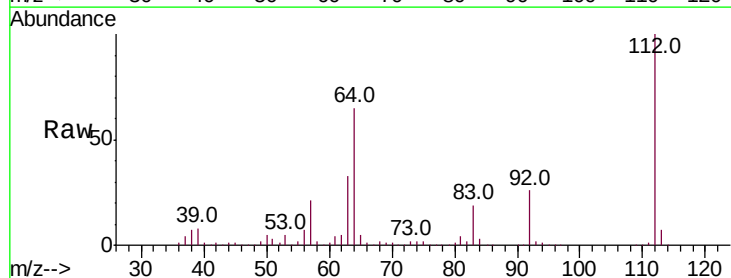
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.400 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	49.0	73.6
63	33.0	24.6	37.0

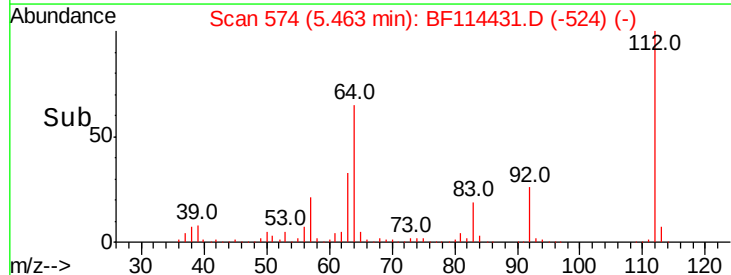
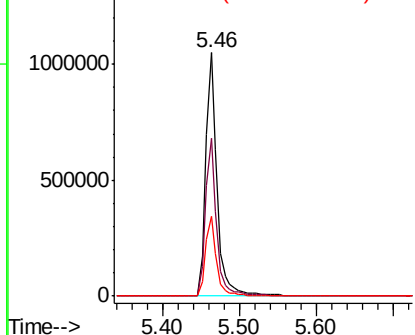


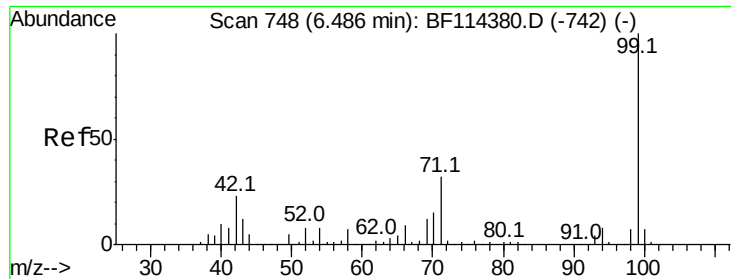
Abundance

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: 104.491 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

Instrument :

BNA_F

ClientSampleId :

SB-04-9-10

Tot Ion: 99 Resp: 1394642

Ion Ratio Lower Upper

99 100

42 22.0 17.9 26.9

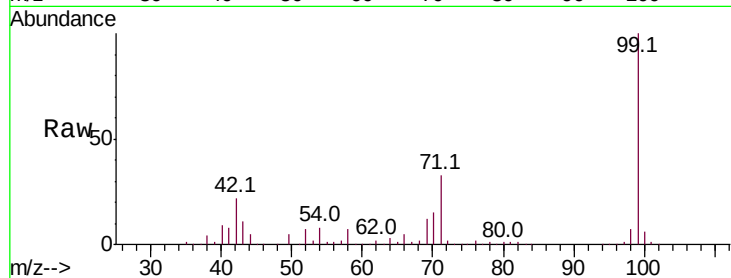
71 33.1 26.2 39.2

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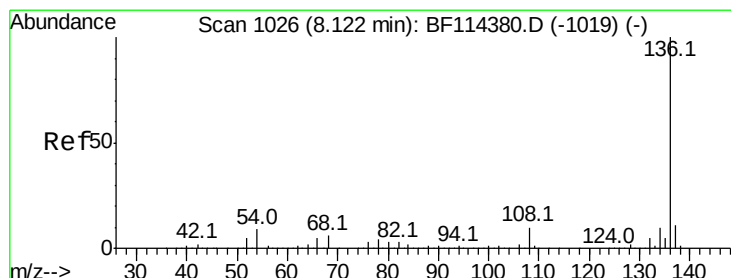
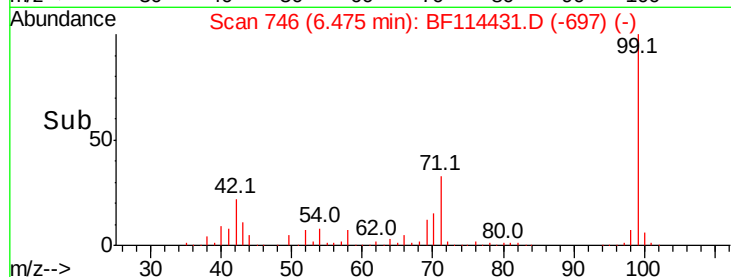
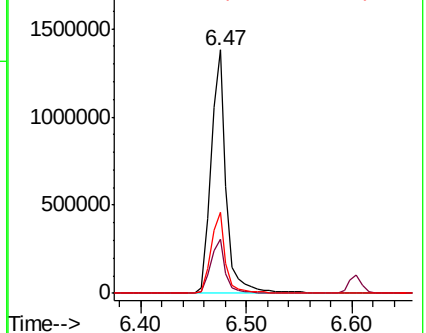
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

Tgt Ion:136 Resp: 660634

Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 9.4 7.8 11.8

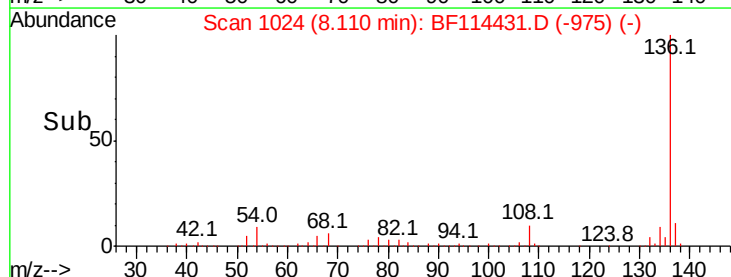
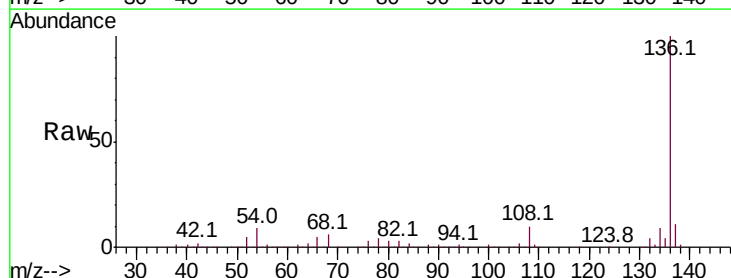
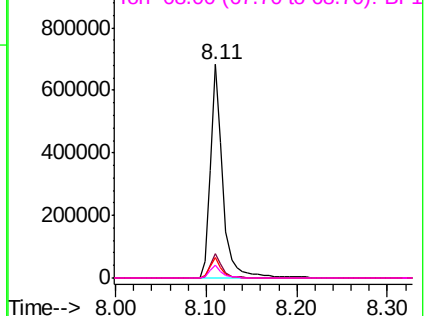
68 6.3 5.1 7.7

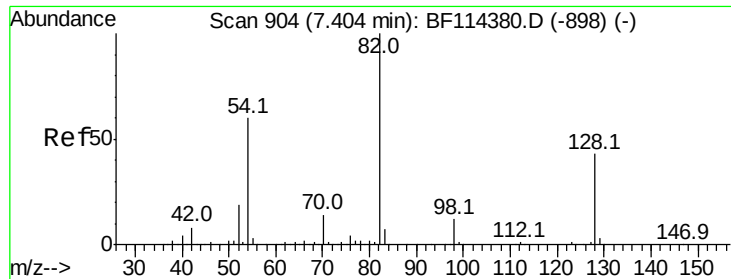
Abundance Ion 136.00 (135.70 to 136.70): E

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





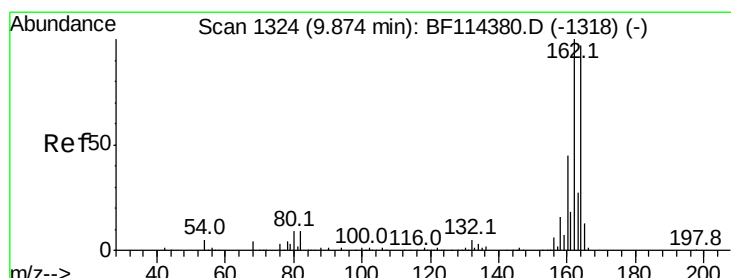
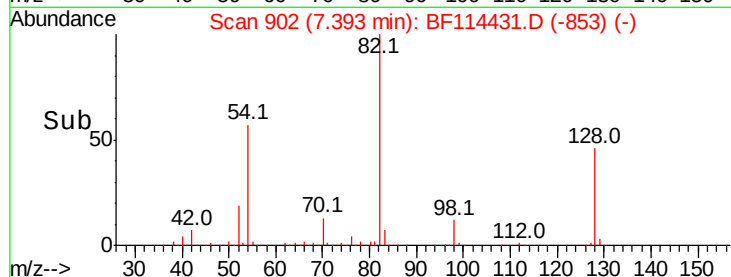
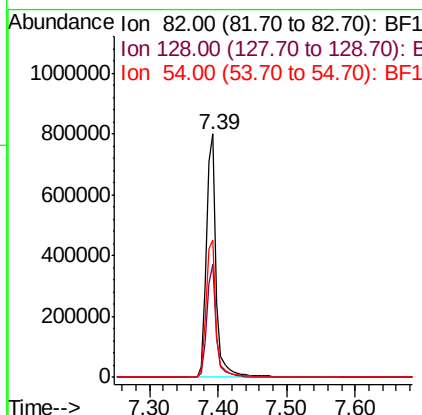
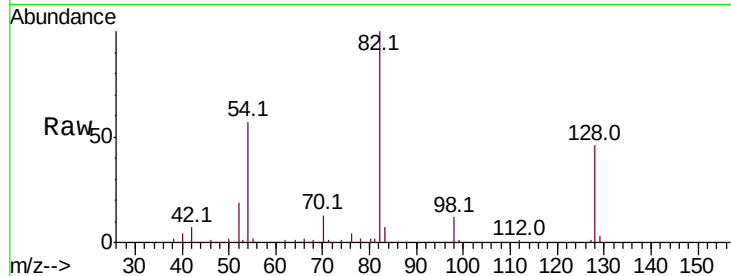
#23
Nitrobenzene-d5
Concen: 70.376 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Instrument :
BNA_F
ClientSampled :
SB-04-9-10

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	35.5	53.3
54	56.6	48.5	72.7

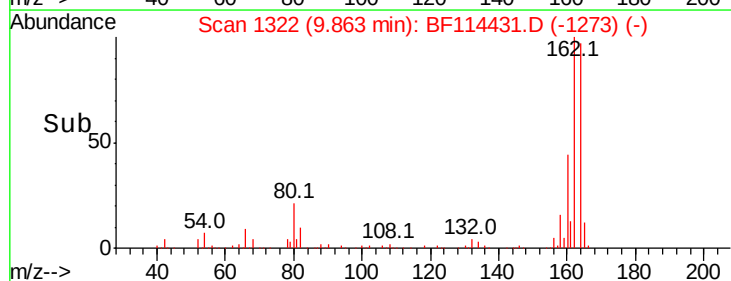
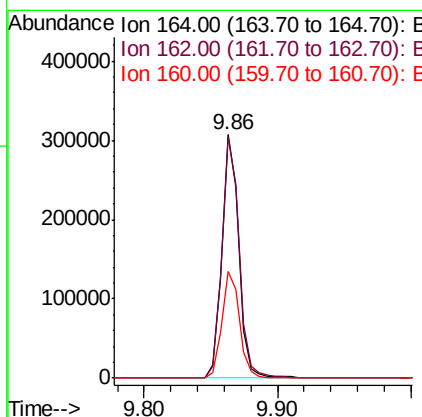
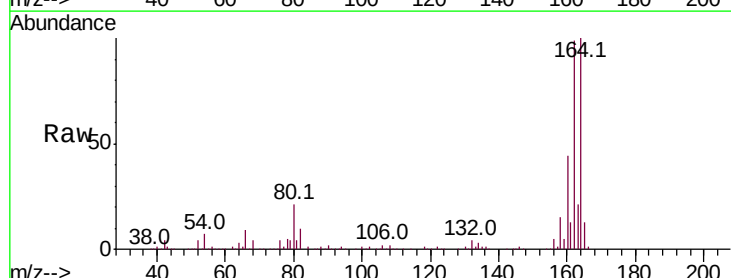
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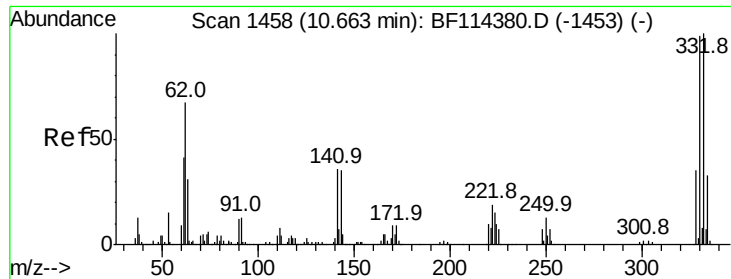
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.6	120.8
160	43.7	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 87.858 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

Instrument :

BNA_F

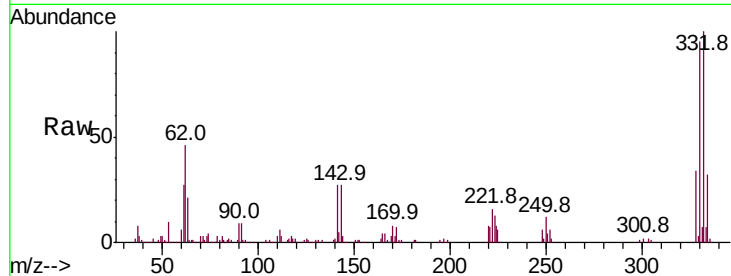
ClientSampleId :

SB-04-9-10

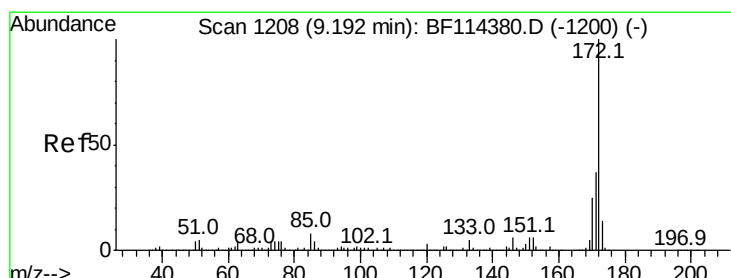
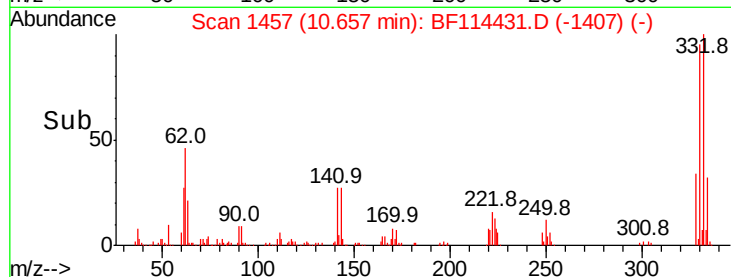
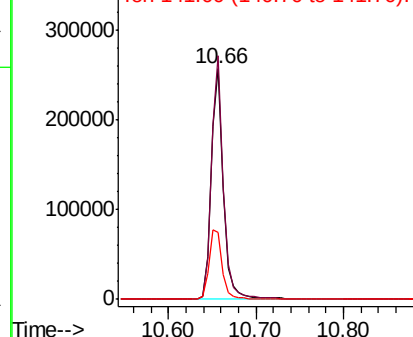
Tot Ion:	330	Resp:	249723
Ion Ratio	Lower	Upper	
330	100		
332	102.7	81.4	122.2
141	32.8	26.6	40.0

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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: 68.929 ng

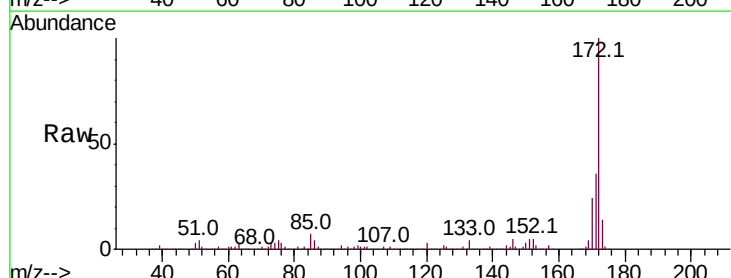
RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

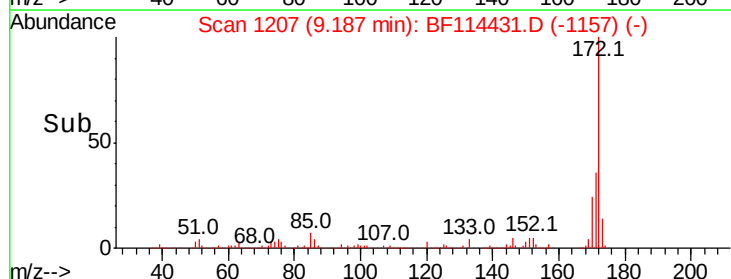
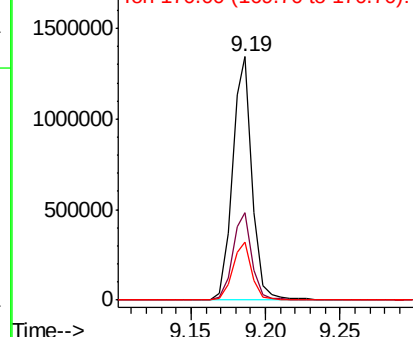
Lab File: BF114431.D

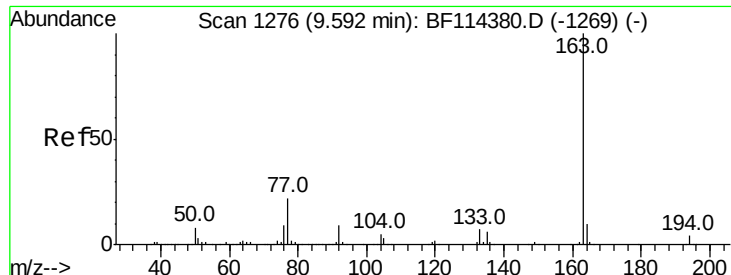
Acq: 20 May 2019 11:53

Tgt Ion:	172	Resp:	1252799
Ion Ratio	Lower	Upper	
172	100		
171	36.1	30.7	46.1
170	23.7	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





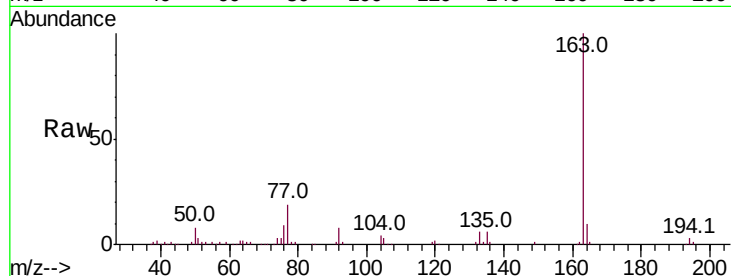
#50
Dimethylphthalate
Concen: 8.255 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Instrument :
BNA_F
ClientSampleId :
SB-04-9-10

Tot Ion	Ratio	Resp	Lower	Upper
163	100	166608		
194	3.2	3.4	5.0#	
164	10.2	8.2	12.2	

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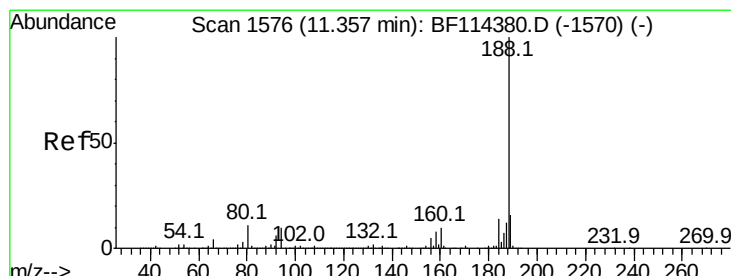
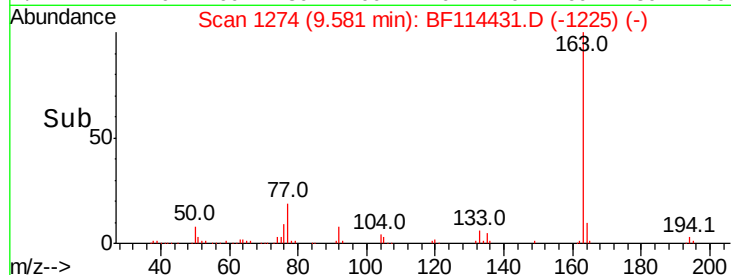
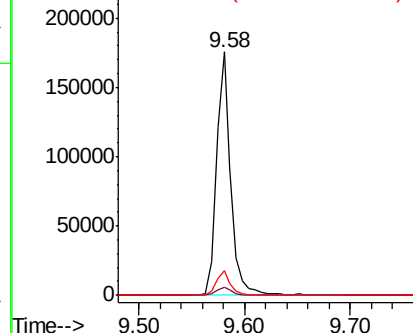


Abundance

Ion 163.00 (162.70 to 163.70): E

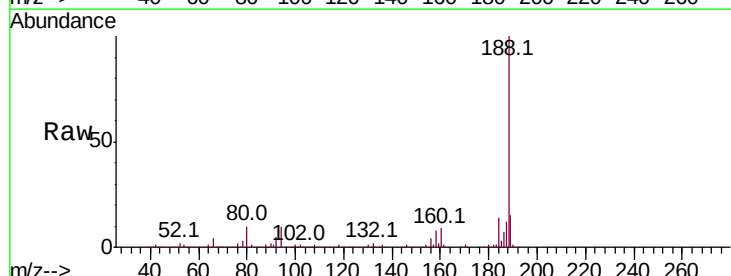
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	456475		
94	10.0	8.4	12.6	
80	10.3	9.2	13.8	

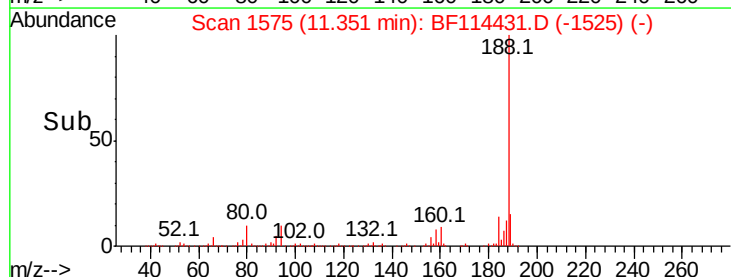
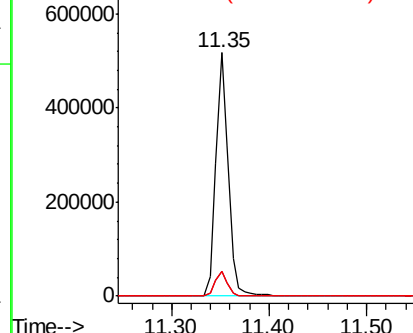


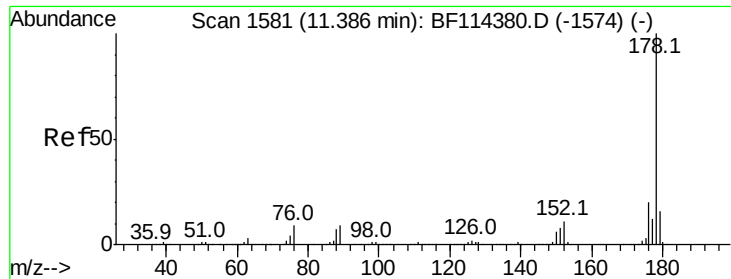
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 2.542 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

Instrument :

BNA_F

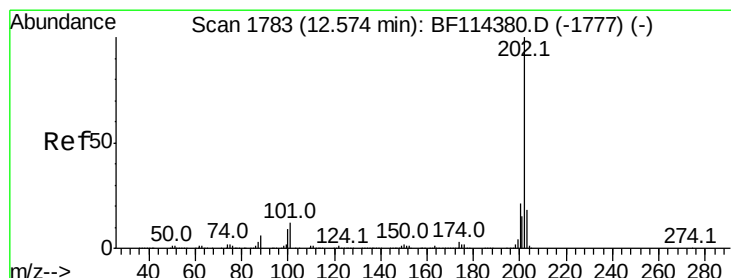
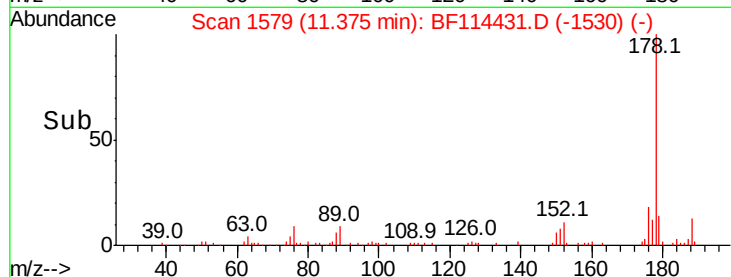
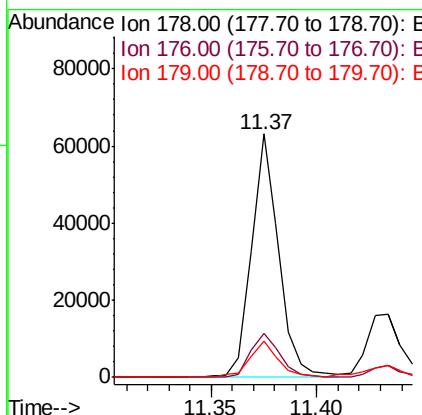
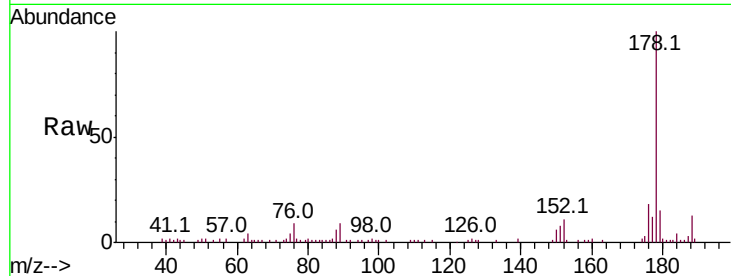
ClientSampleId :

SB-04-9-10

Tot Ion:	178	Resp:	56460
Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.4	24.6
179	14.9	13.2	19.8

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#75

Fluoranthene

Concen: 6.408 ng

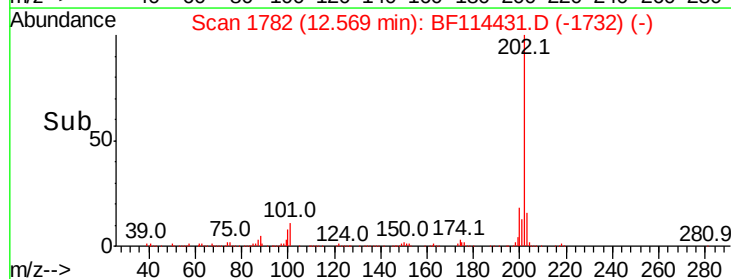
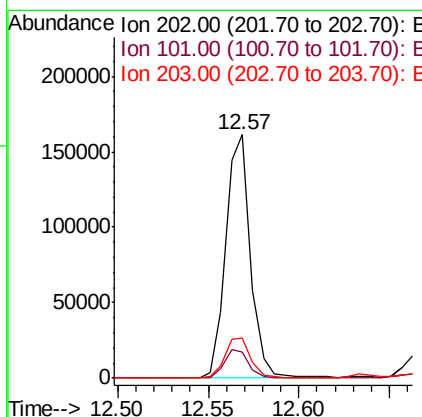
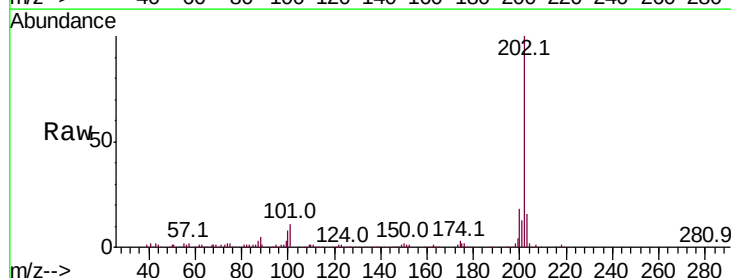
RT: 12.57 min Scan# 1782

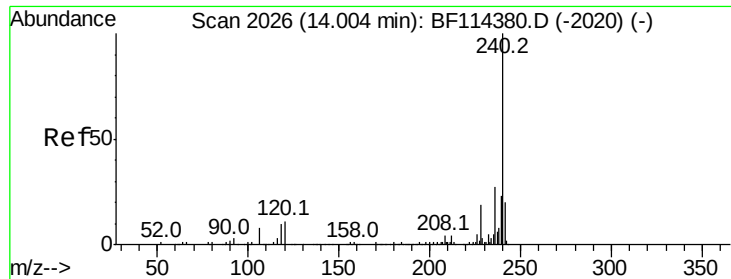
Delta R.T. -0.01 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

Tgt Ion:	202	Resp:	153260
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.0
203	16.2	0.0	38.4





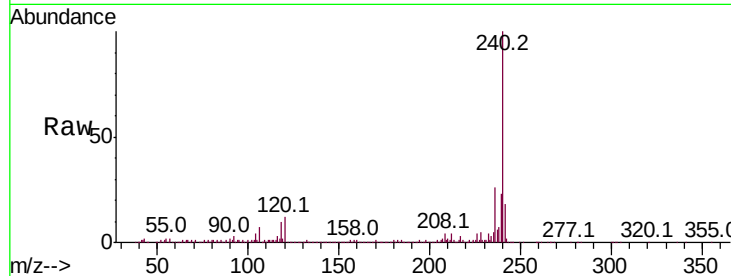
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Instrument :
BNA_F
ClientSampled :
SB-04-9-10

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.7	8.3	12.5	
236	25.8	20.8	31.2	

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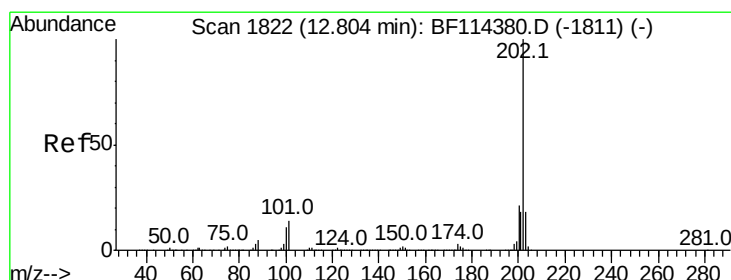
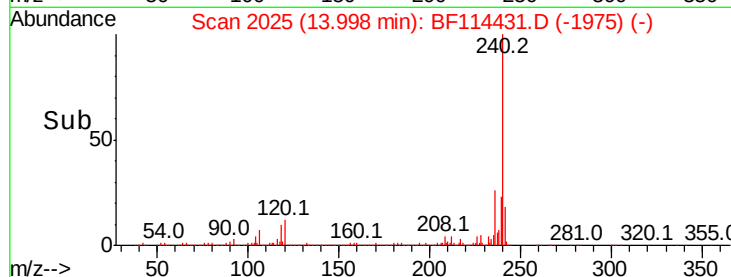
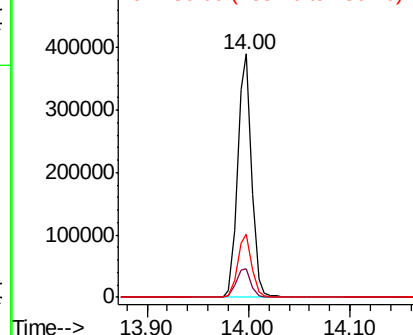


Abundance

Ion 240.00 (239.70 to 240.70): E

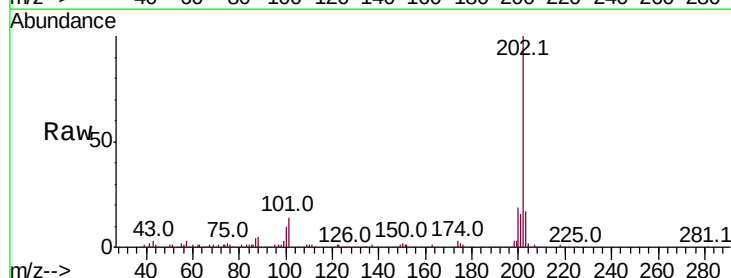
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 5.362 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.2	16.9	25.3	
203	16.9	14.5	21.7	

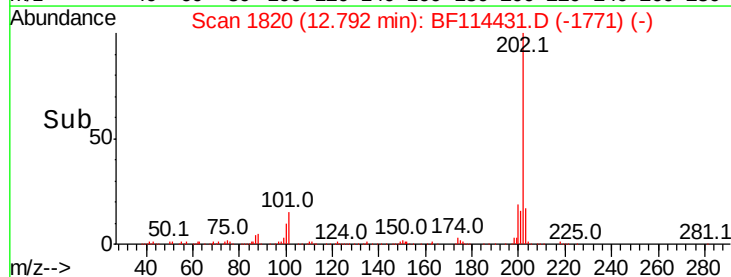
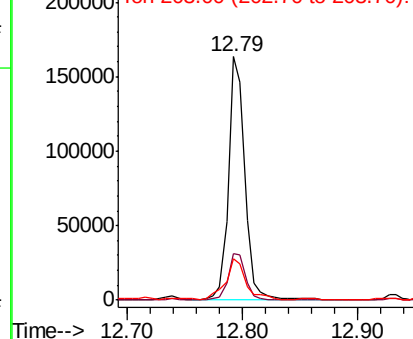


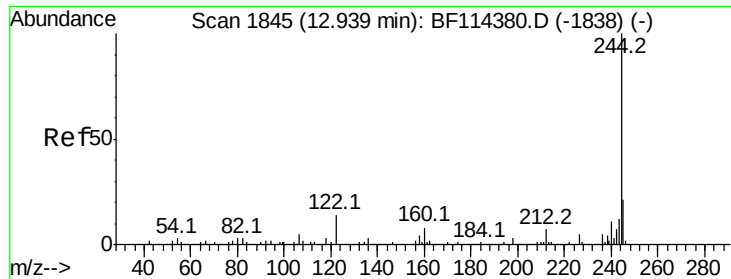
Abundance

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: 50.263 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

Instrument :

BNA_F

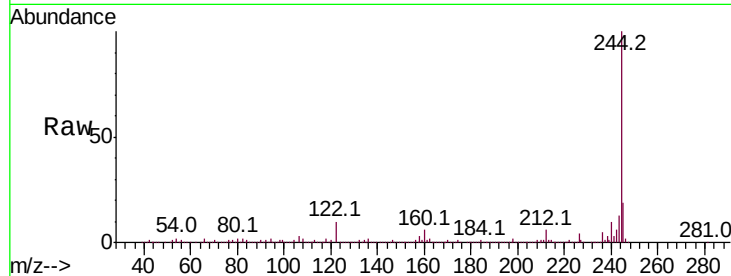
ClientSampleId :

SB-04-9-10

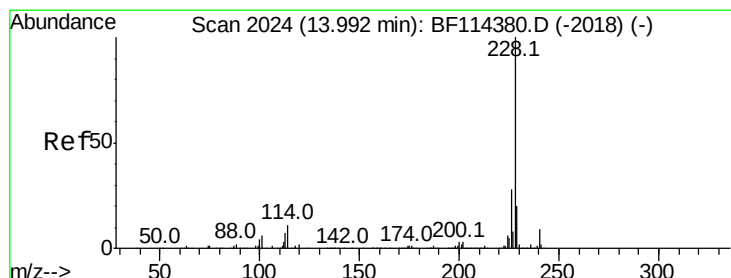
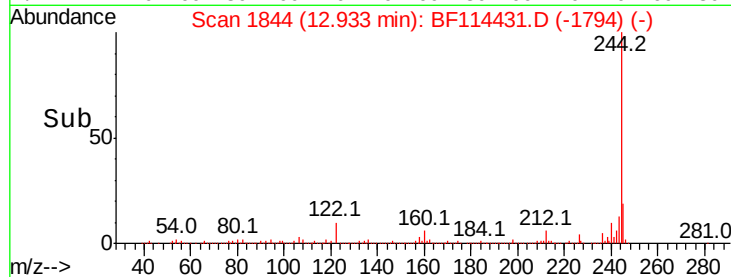
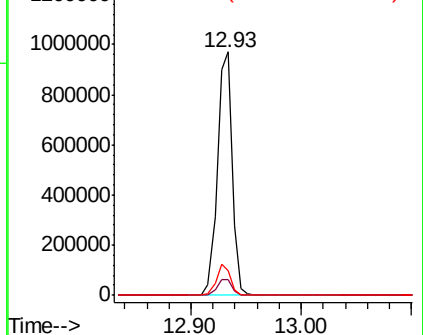
Tot Ion:	244	Resp:	903052
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.8	8.6
122	10.3	9.4	14.2

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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: 5.406 ng

RT: 13.99 min Scan# 2023

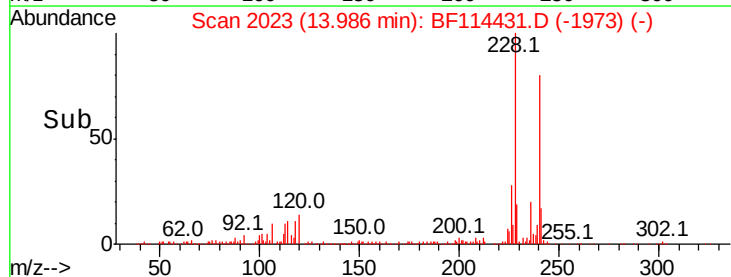
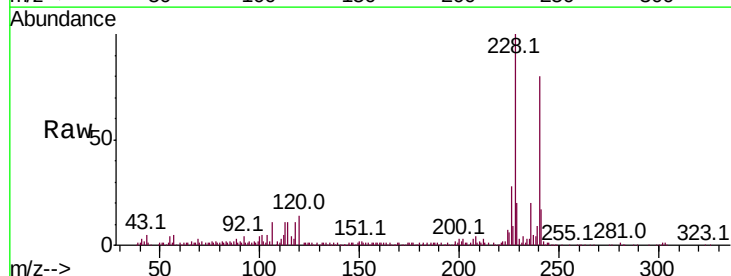
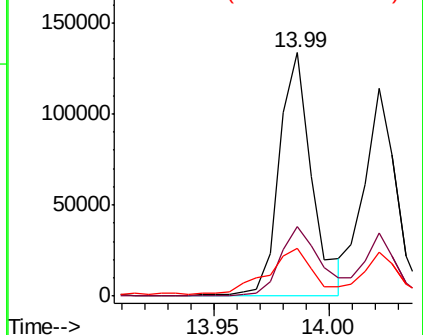
Delta R.T. -0.01 min

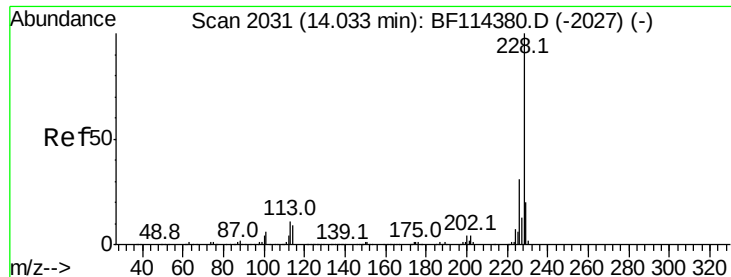
Lab File: BF114431.D

Acq: 20 May 2019 11:53

Tgt Ion:	228	Resp:	129497
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.2	33.2
229	19.7	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





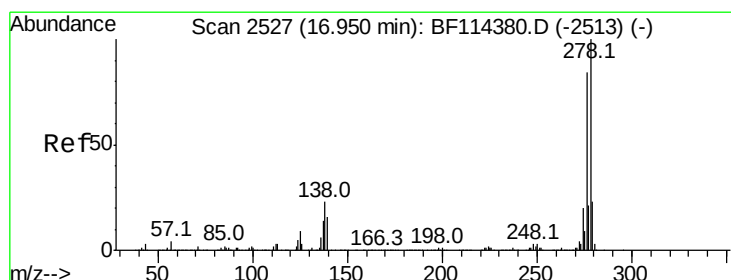
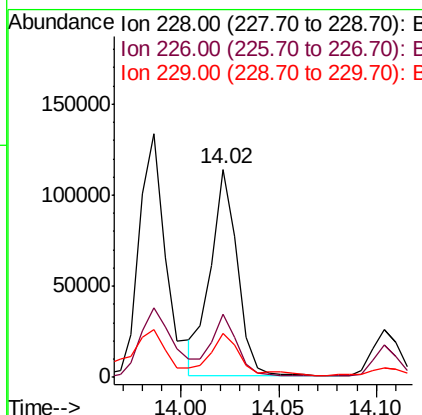
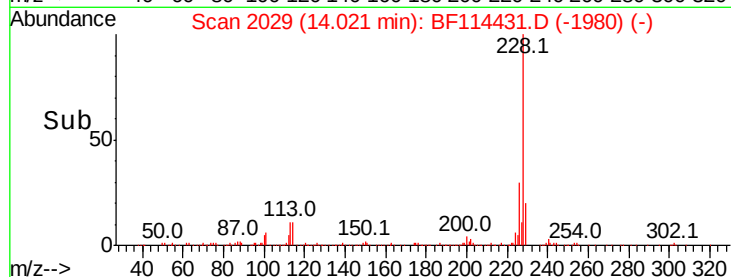
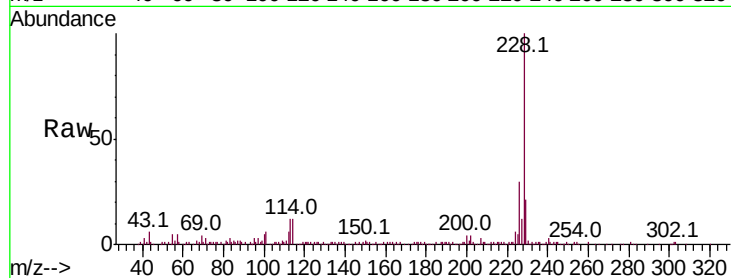
#83
Chrysene
Concen: 4.655 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Instrument :
BNA_F
ClientSampleId :
SB-04-9-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.1	17.0	25.6

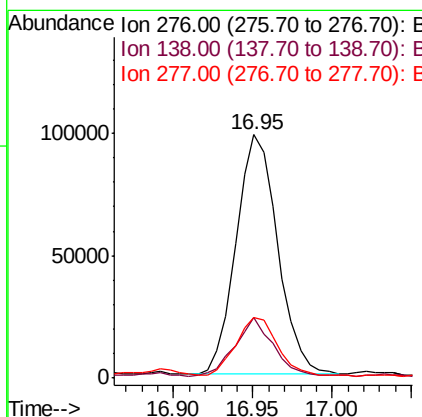
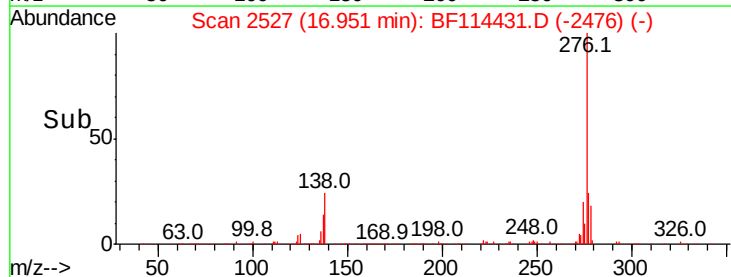
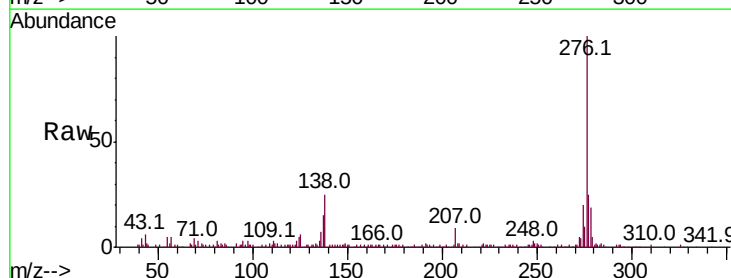
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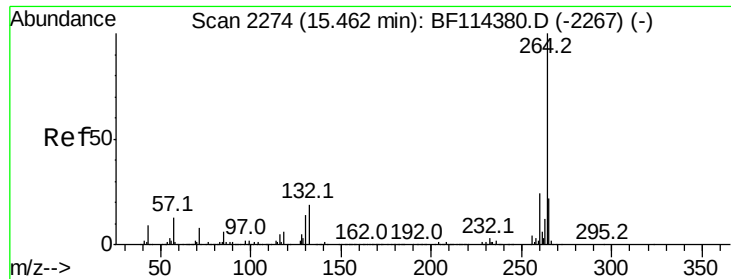
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#86
Indeno(1,2,3-cd)pyrene
Concen: 8.555 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.00 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	20.2	30.2
277	24.4	20.0	30.0





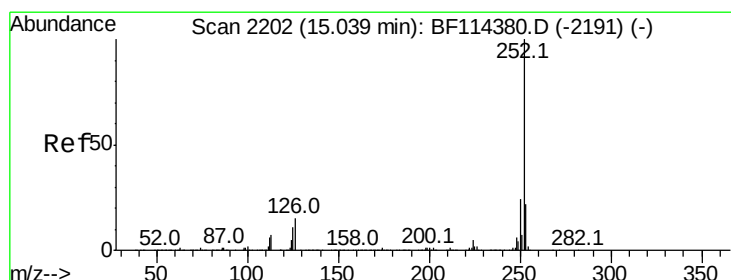
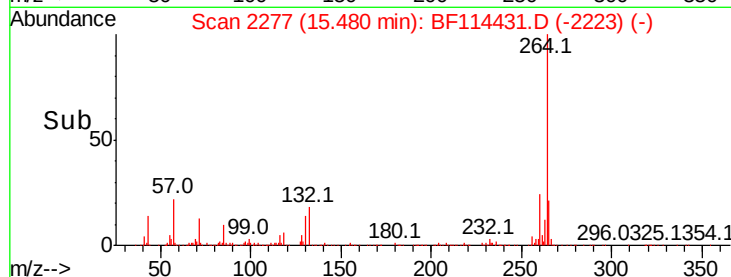
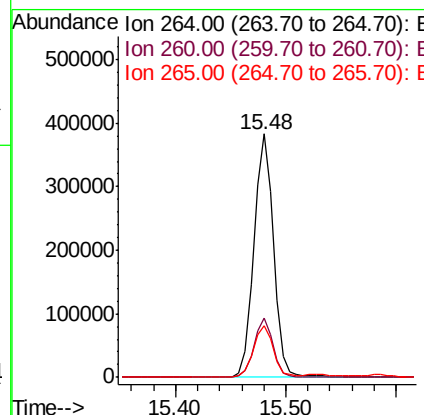
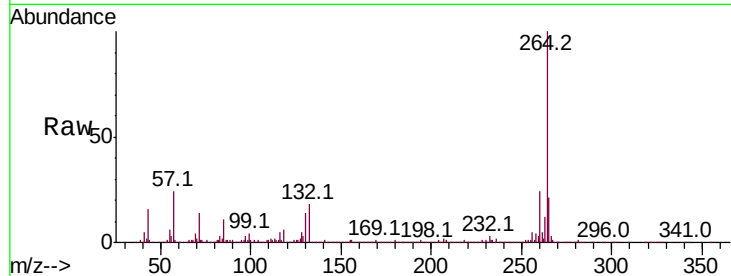
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Instrument :
BNA_F
ClientSampleId :
SB-04-9-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	21.0	16.9	25.3

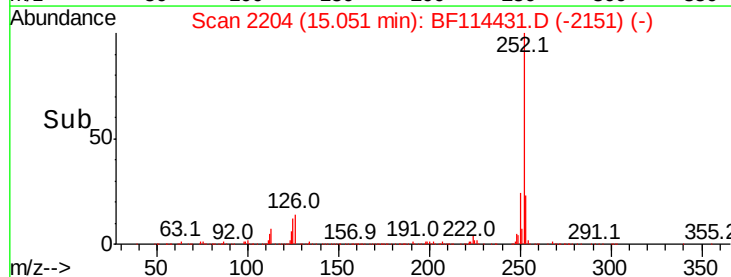
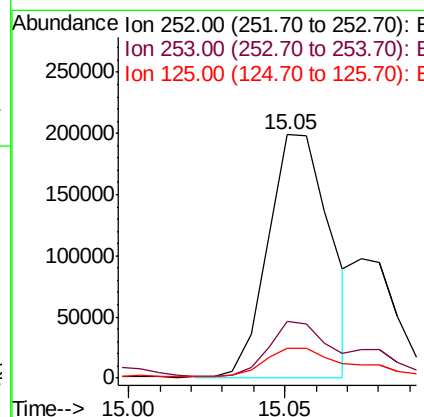
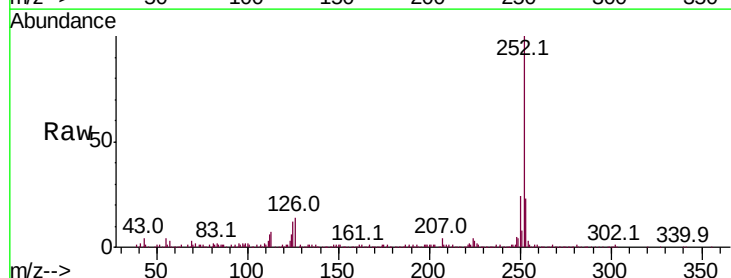
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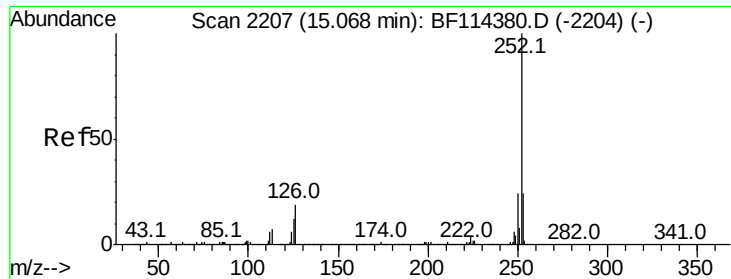
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#88
Benzo(b)fluoranthene
Concen: 9.016 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	12.4	8.3	12.5





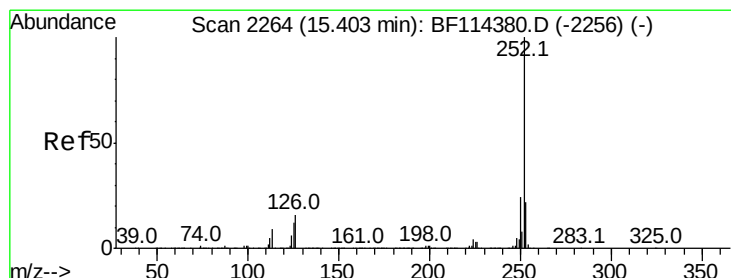
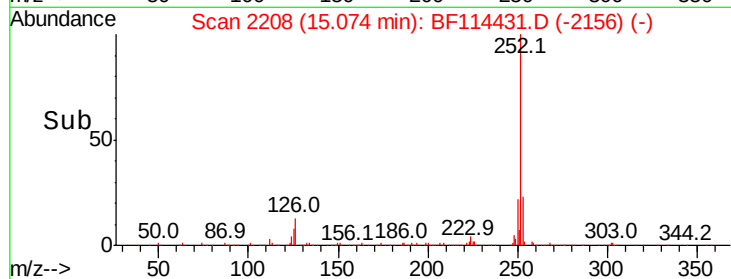
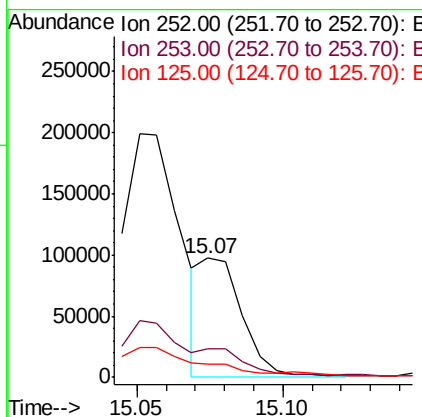
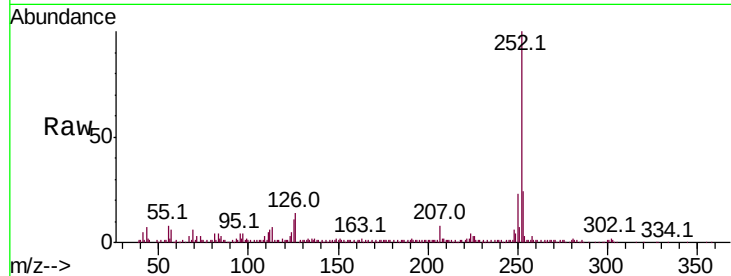
#89
Benzo(k)fluoranthene
Concen: 3.424 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Instrument :
BNA_F
ClientSampled :
SB-04-9-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	11.3	8.6	13.0

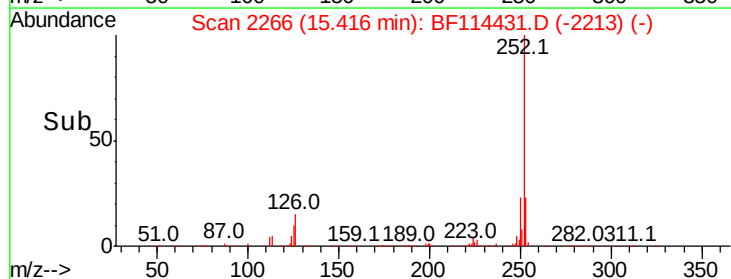
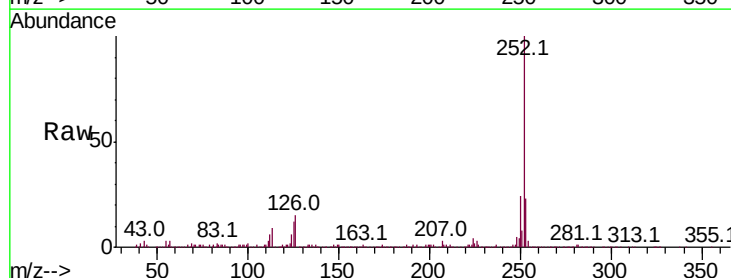
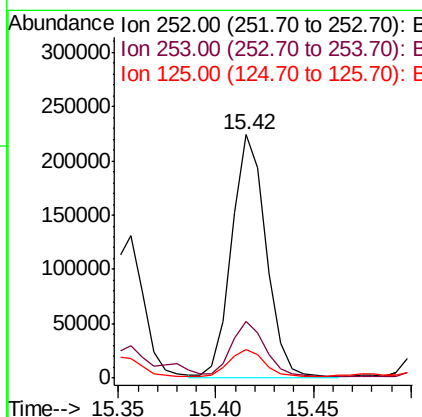
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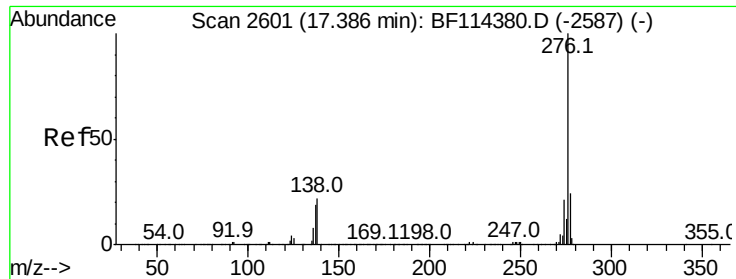
mohammad
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#90
Benzo(a)pyrene
Concen: 10.108 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	11.8	9.5	14.3





#92
 Benzo(a,h,i)perylene
 Concen: 8.014 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.01 min
 Lab File: BF114431.D
 Acq: 20 May 2019 11:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-9-10

Tot Ion:	276	Resp:	179866
Ion Ratio		Lower	Upper
276	100		
277	23.5	19.0	28.4
138	22.7	17.8	26.6

Manual Integrations
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