

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
 Data File : BF113900.D
 Acq On : 23 Apr 2019 1:21
 Operator : JU/SJ
 Sample : K2193-09 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-B

Manual Integrations
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Quant Time: Apr 23 07:24:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	162131	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	556128	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	287878	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	613896	20.00	ng	0.00
76) Chrysene-d12	14.06	240	565741	20.00	ng	-0.01
87) Perylene-d12	15.54	264	452885	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	200886	21.19	ng	0.00
7) Phenol-d6	6.52	99	250794	21.09	ng	0.00
23) Nitrobenzene-d5	7.45	82	143258	15.91	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	74496	21.24	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	260484	14.15	ng	0.00
79) Terphenyl-d14	13.00	244	391733	14.20	ng	0.00
Target Compounds						
71) Phenanthrene	11.44	178	142980	4.634	ng	98
75) Fluoranthene	12.63	202	228487	6.788	ng	98
78) Pyrene	12.86	202	199262	5.037	ng	97
81) Benzo(a)anthracene	14.04	228	98521	2.956	ng	97
83) Chrysene	14.08	228	77826	2.397	ng	96
88) Benzo(b)fluoranthene	15.10	252	84725m	2.957	ng	
90) Benzo(a)pyrene	15.47	252	57975	2.339	ng	# 87

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

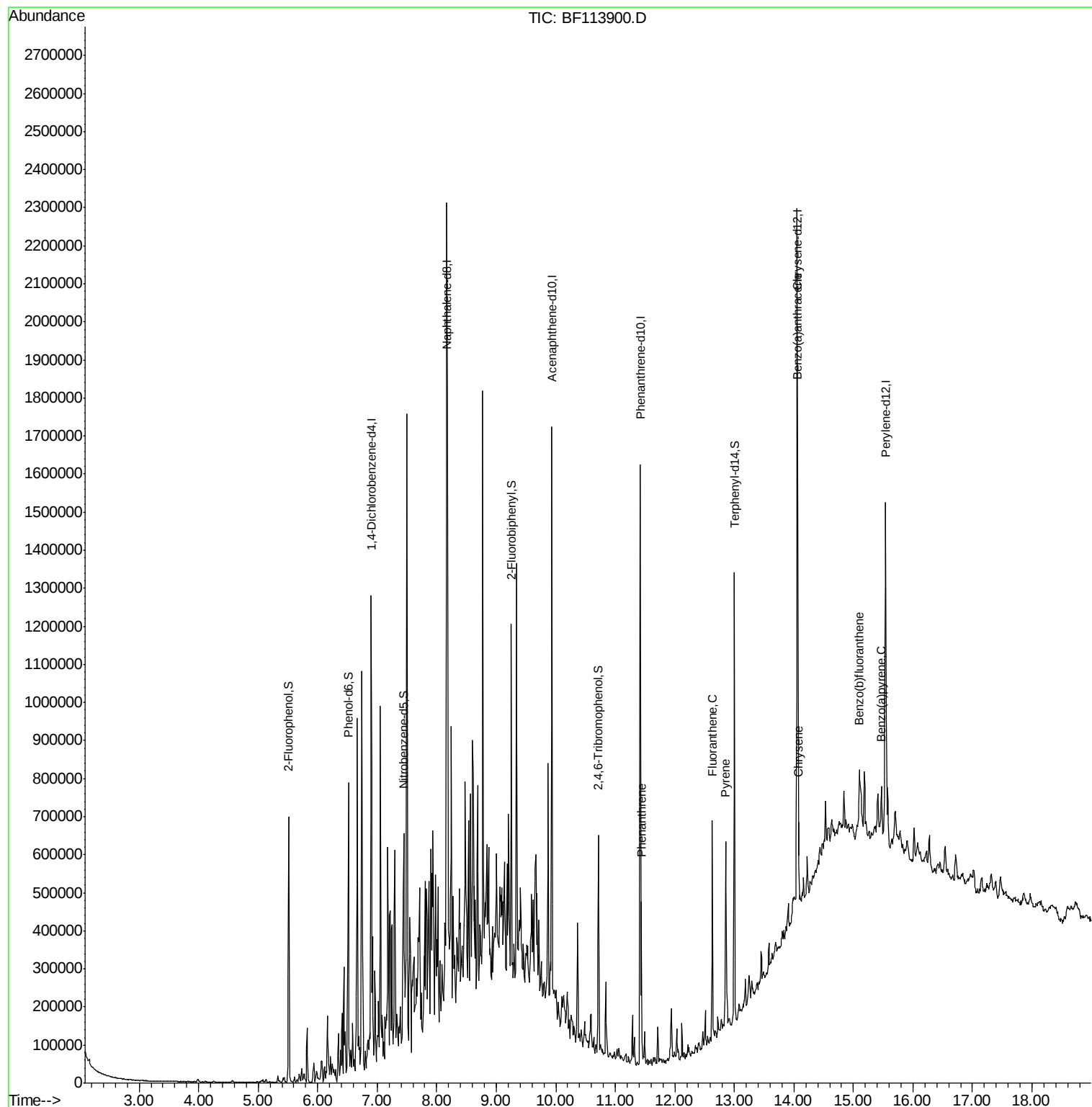
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

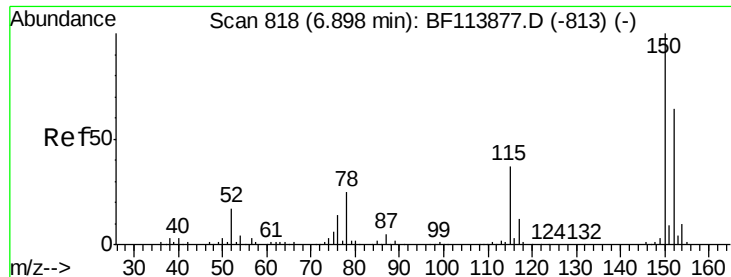
Instrument :
BNA_F
ClientSampleId :
HR-05-041719-B

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#1

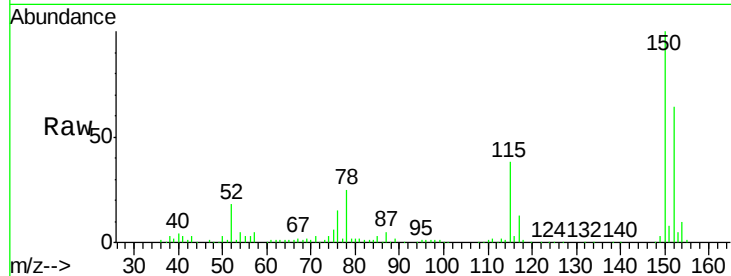
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113900.D
Acq: 23 Apr 2019 1:21

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-B

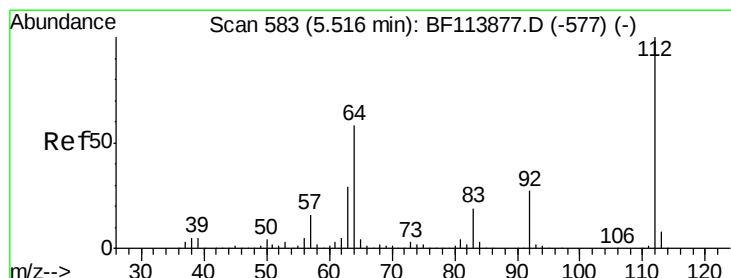
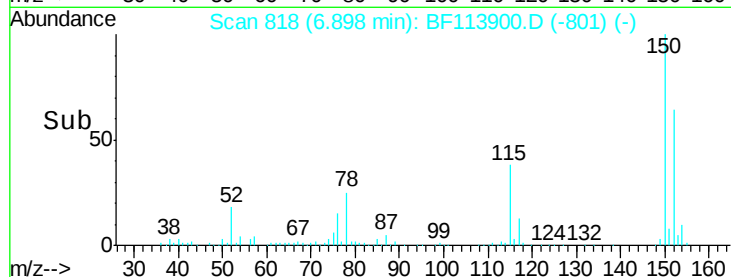
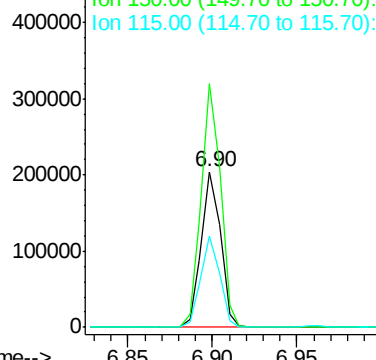
Tgt	Ion	Ratio	Resp	Lower	Upper
152	100		162131		
150	156.6	125.9	188.9		
115	59.1	45.9	68.9		

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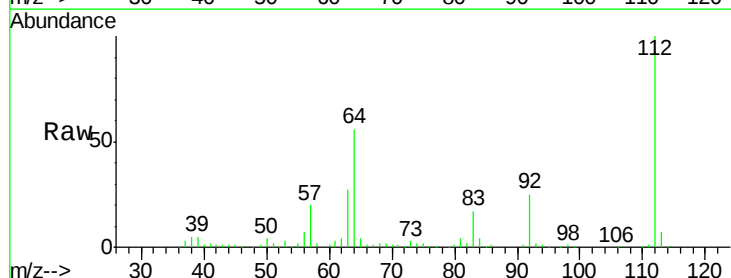
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



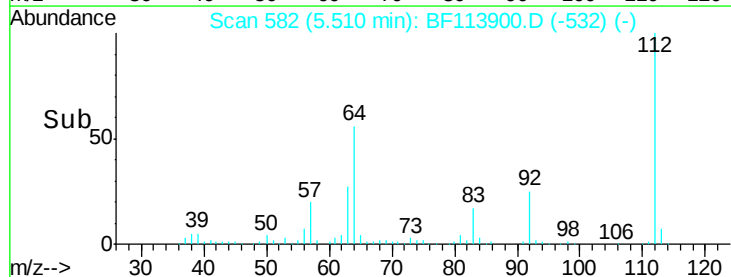
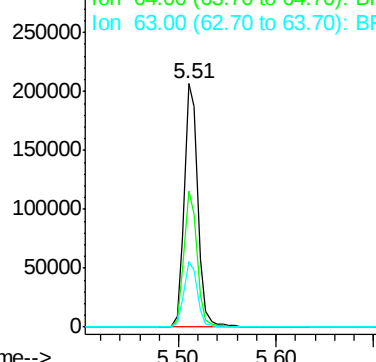
#5

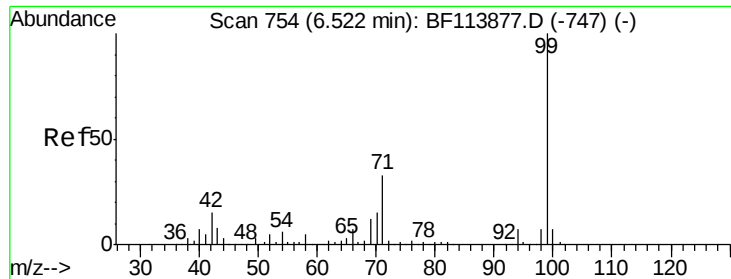
2-Fluorophenol
Concen: 21.192 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF113900.D
Acq: 23 Apr 2019 1:21

Tgt	Ion	Ratio	Resp	Lower	Upper
112	100		200886		
64	56.2	46.6	69.8		
63	27.1	23.1	34.7		



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: 21.088 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113900.D

Acq: 23 Apr 2019 1:21

Instrument :

BNA_F

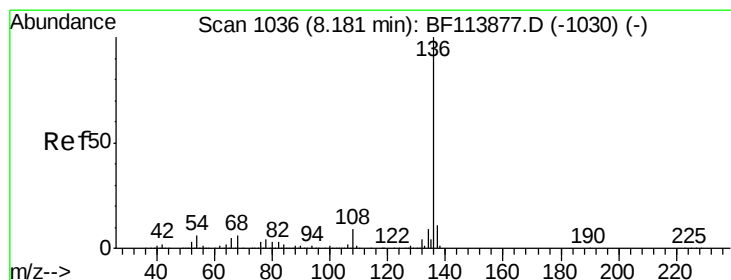
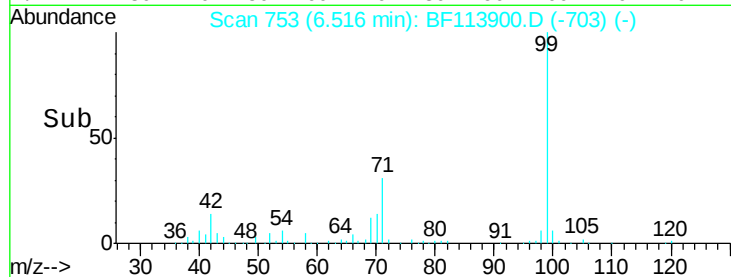
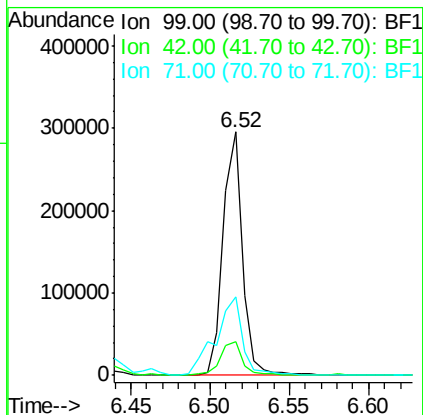
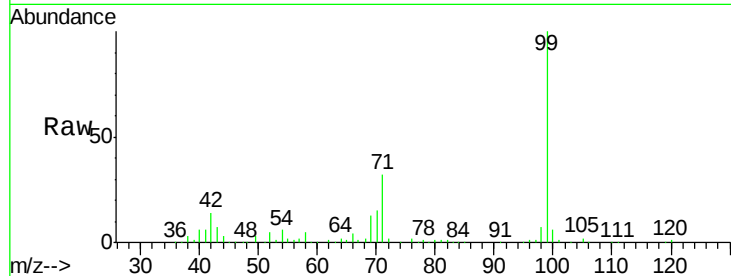
ClientSampleId :

HR-05-041719-B

Tgt Ion:	99	Resp:	250794
Ion Ratio	Lower	Upper	
99	100		
42	14.0	12.5	18.7
71	32.1	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

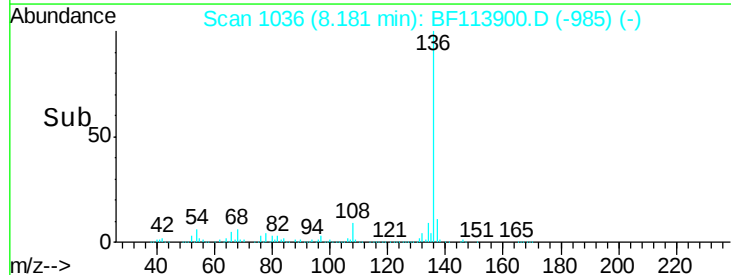
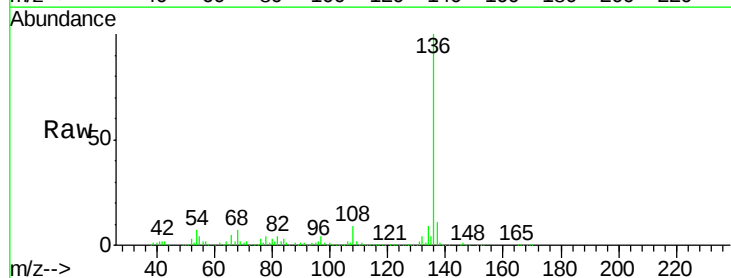
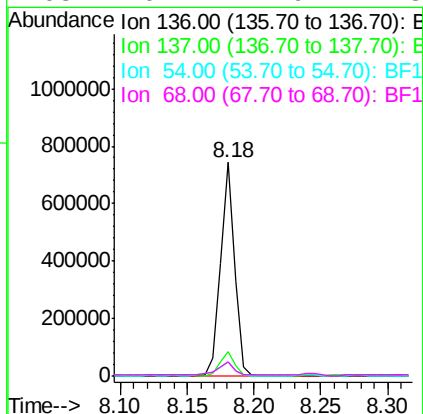
RT: 8.18 min Scan# 1036

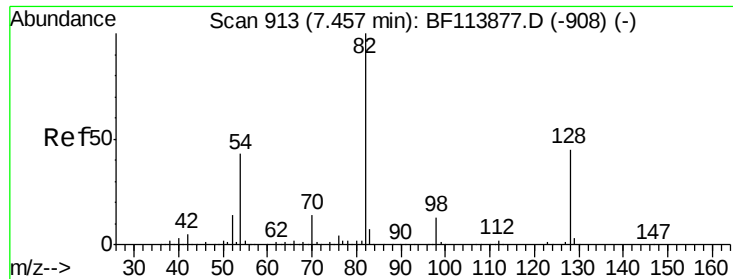
Delta R.T. 0.00 min

Lab File: BF113900.D

Acq: 23 Apr 2019 1:21

Tgt Ion:	136	Resp:	556128
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	12.8
54	6.6	5.0	7.6
68	6.7	4.9	7.3





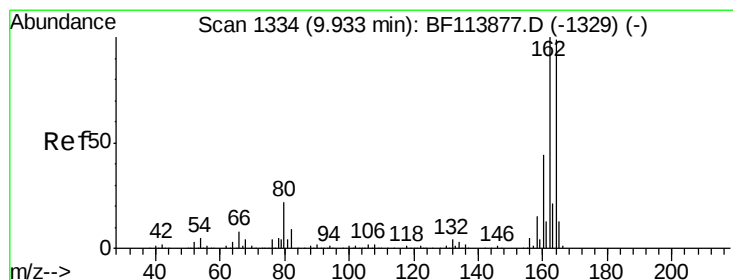
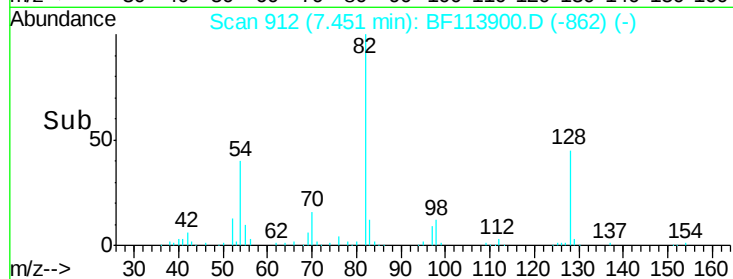
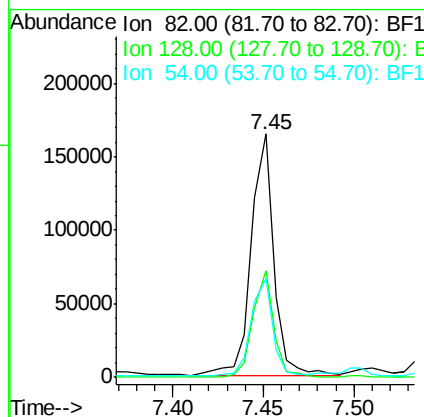
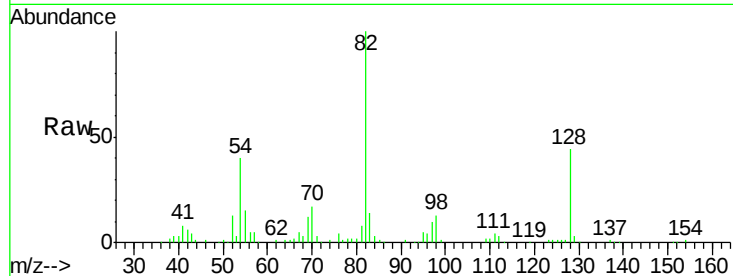
#23
Nitrobenzene-d5
Concen: 15.905 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113900.D
Acq: 23 Apr 2019 1:21

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	143258		
128	43.9	36.8	55.2	
54	40.4	33.8	50.6	

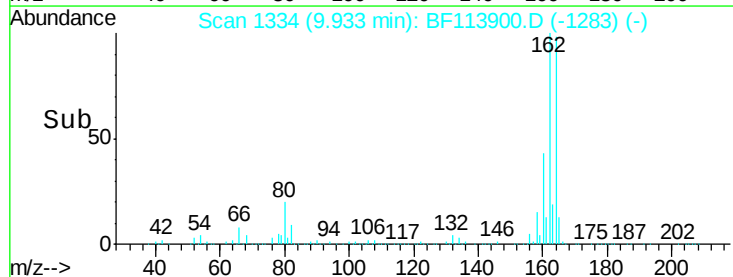
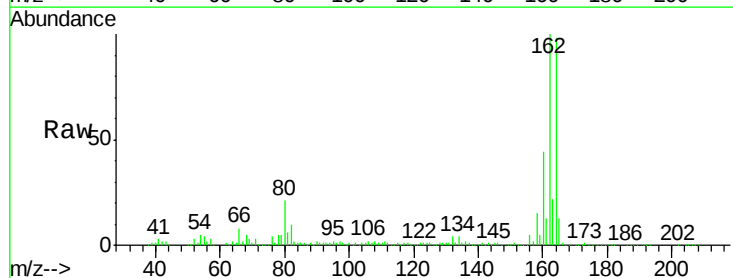
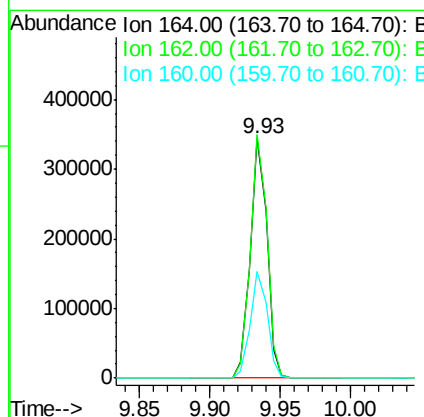
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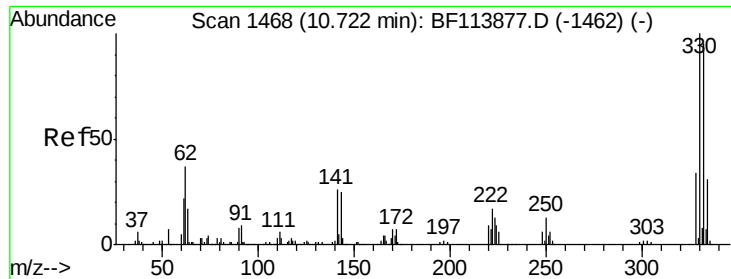
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF113900.D
Acq: 23 Apr 2019 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	287878		
162	101.7	81.1	121.7	
160	44.3	35.8	53.6	





#42

2,4,6-Tribromophenol

Concen: 21.242 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF113900.D

Acq: 23 Apr 2019 1:21

Instrument :

BNA_F

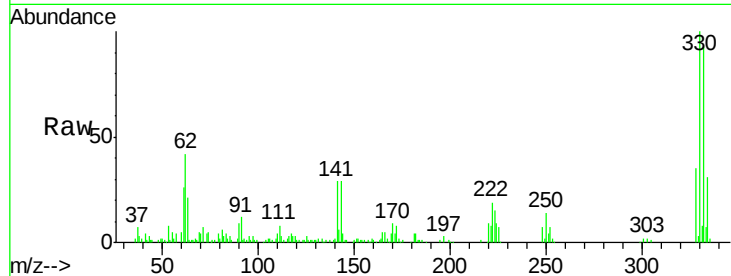
ClientSampleId :

HR-05-041719-B

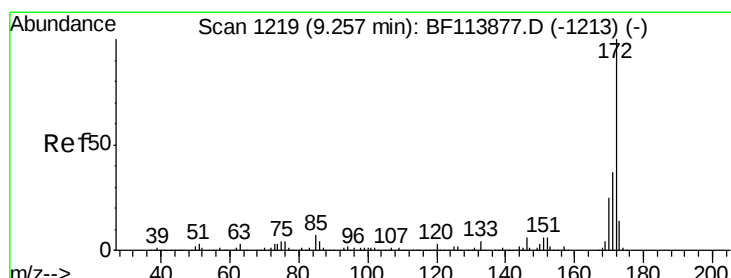
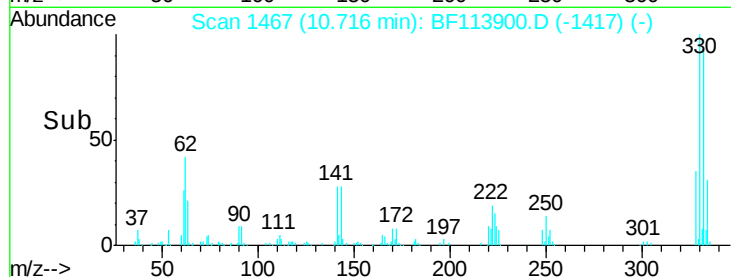
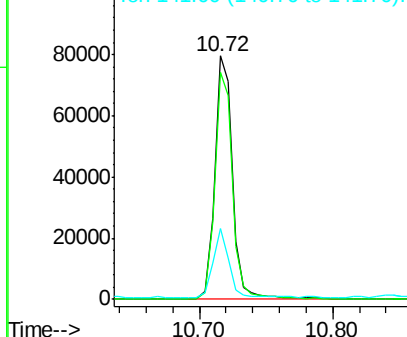
Tgt Ion:	330	Resp:	74496
Ion Ratio	Lower	Upper	
330	100		
332	93.3	77.5	116.3
141	24.7	22.2	33.2

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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: 14.152 ng

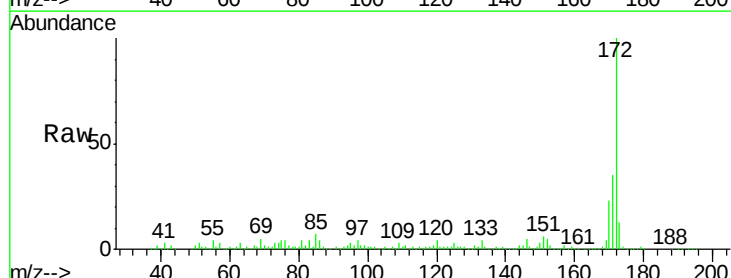
RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

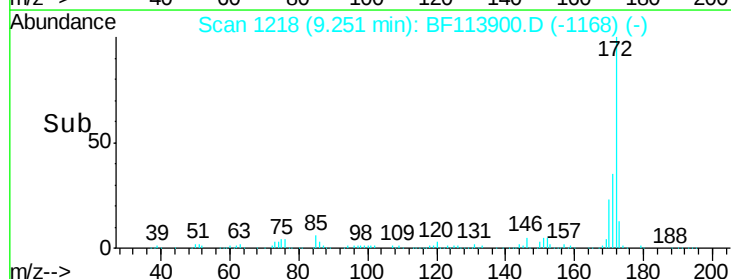
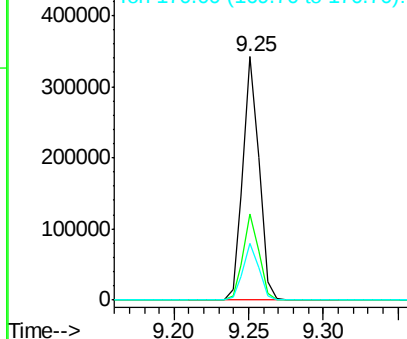
Lab File: BF113900.D

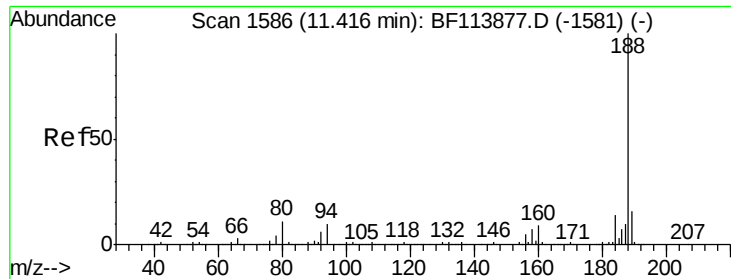
Acq: 23 Apr 2019 1:21

Tgt Ion:	172	Resp:	260484
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.4	44.0
170	23.3	19.9	29.9



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





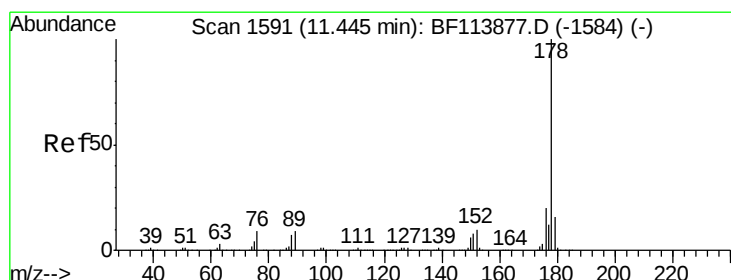
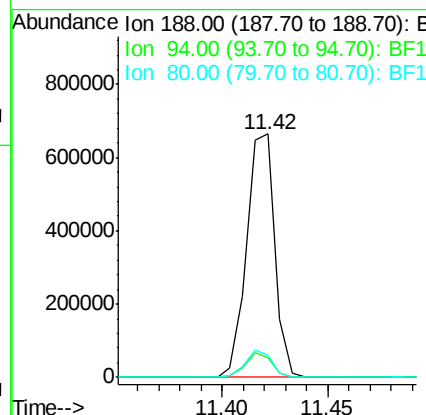
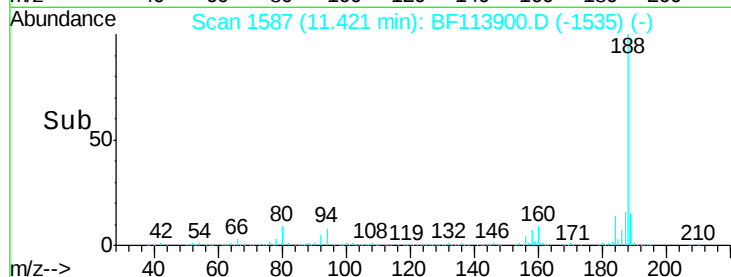
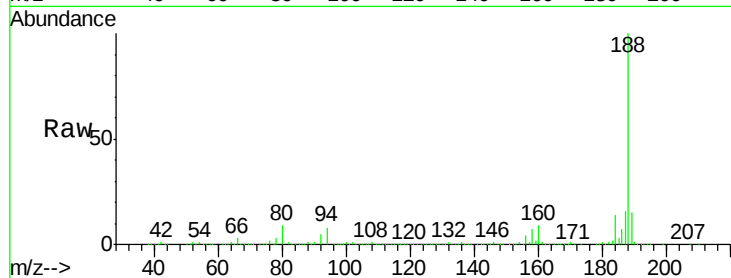
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF113900.D
Acq: 23 Apr 2019 1:21

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-B

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.1	8.2	12.4#
80	8.9	9.0	13.6#

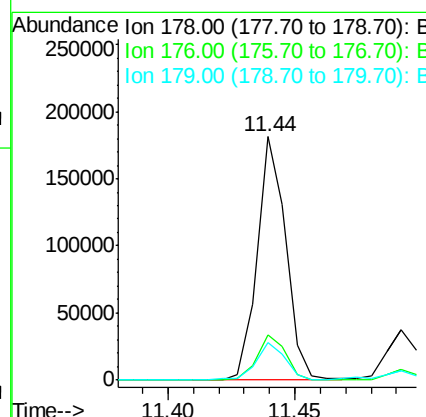
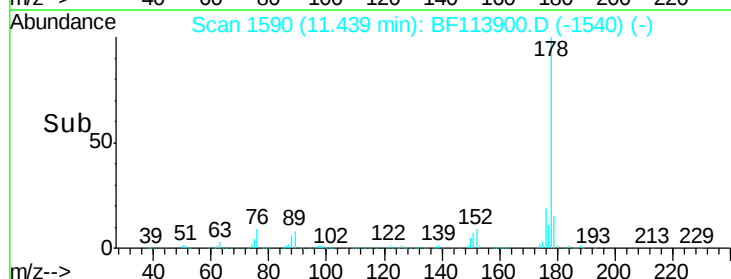
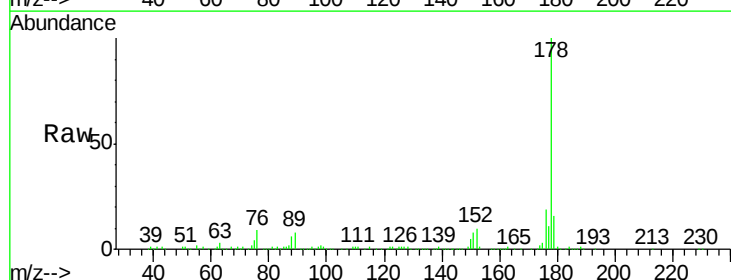
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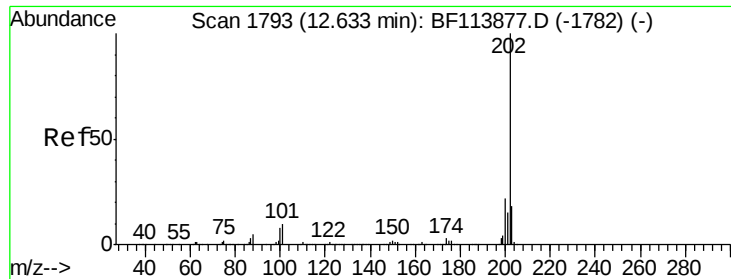
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#71
Phenanthrene
Concen: 4.634 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF113900.D
Acq: 23 Apr 2019 1:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.7	16.1	24.1
179	15.7	12.8	19.2





#75

Fluoranthene

Concen: 6.788 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113900.D

Acq: 23 Apr 2019 1:21

Instrument :

BNA_F

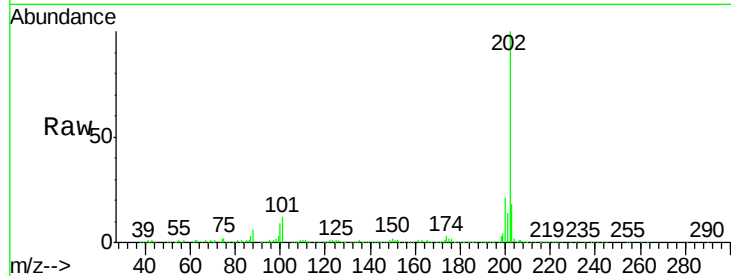
ClientSampleId :

HR-05-041719-B

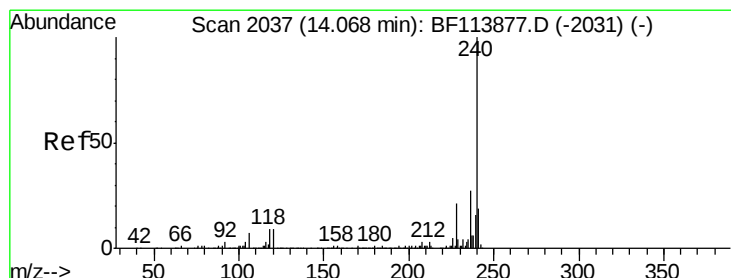
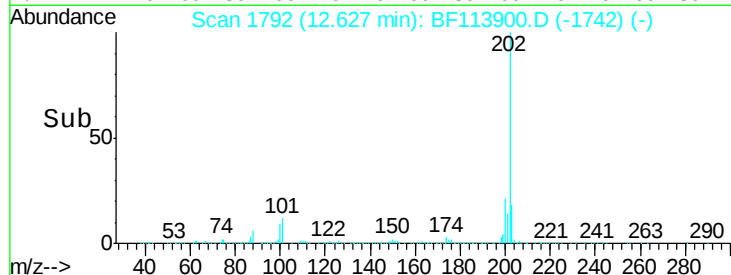
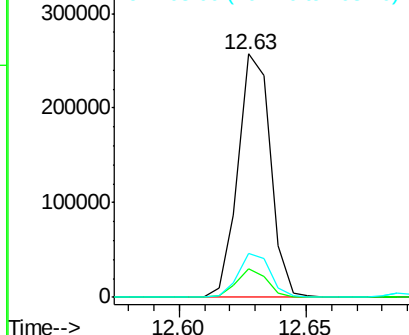
Tgt	Ion	202	Resp:	228487
Ion	Ratio	Lower	Upper	
202	100			
101	11.7	0.0	32.9	
203	17.8	0.0	38.2	

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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

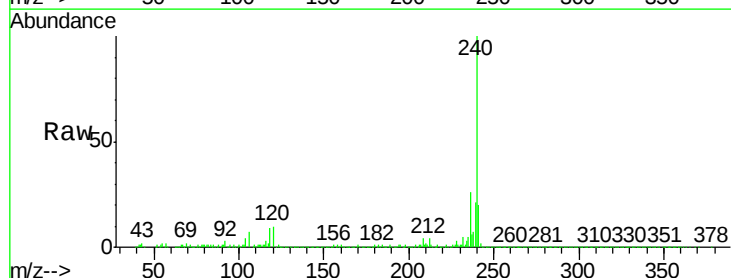
RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

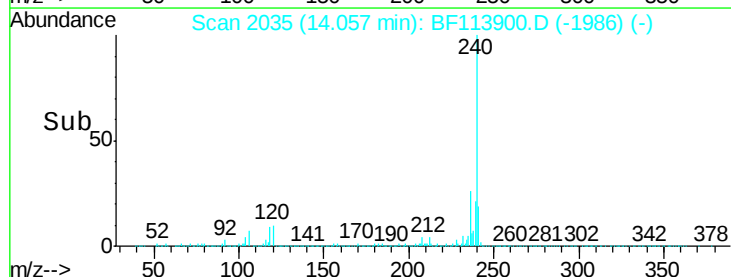
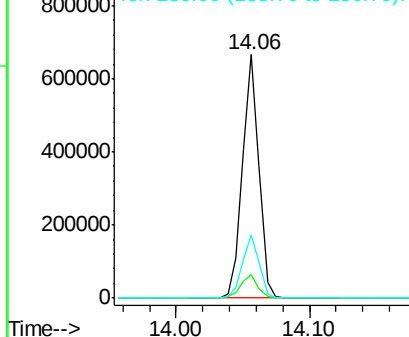
Lab File: BF113900.D

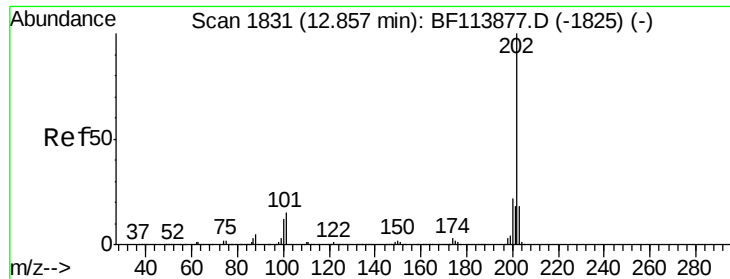
Acq: 23 Apr 2019 1:21

Tgt	Ion	240	Resp:	565741
Ion	Ratio	Lower	Upper	
240	100			
120	9.9	9.3	13.9	
236	26.2	21.2	31.8	



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





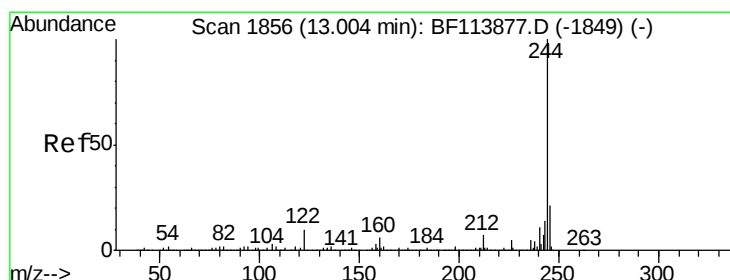
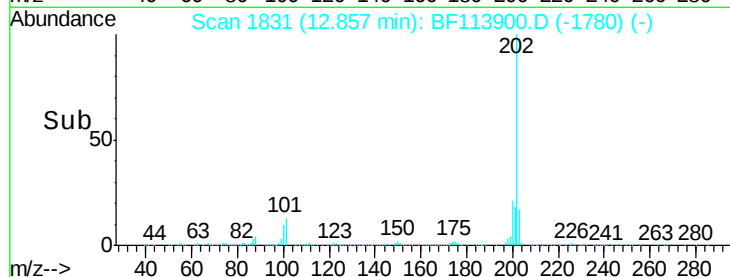
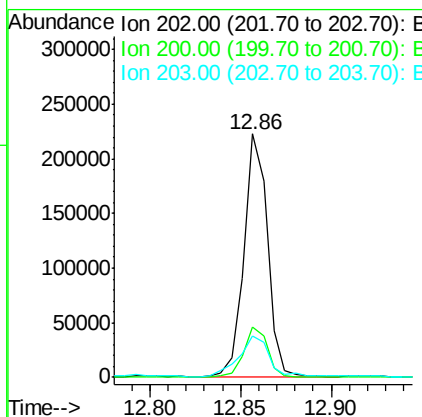
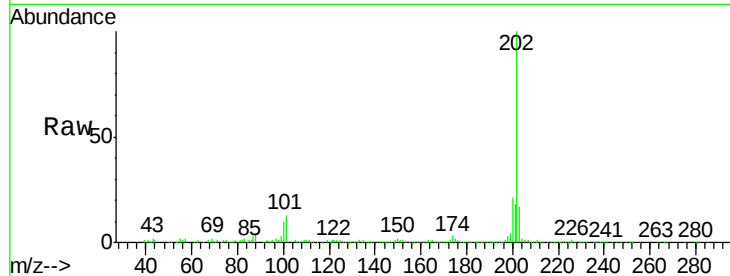
#78
Pyrene
Concen: 5.037 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF113900.D
Acq: 23 Apr 2019 1:21

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-B

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	199262		
200	20.7	17.7	26.5	
203	17.2	15.0	22.6	

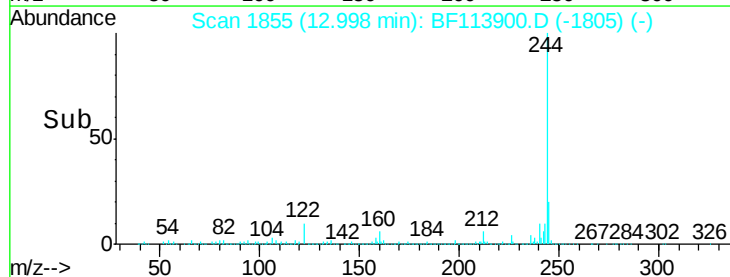
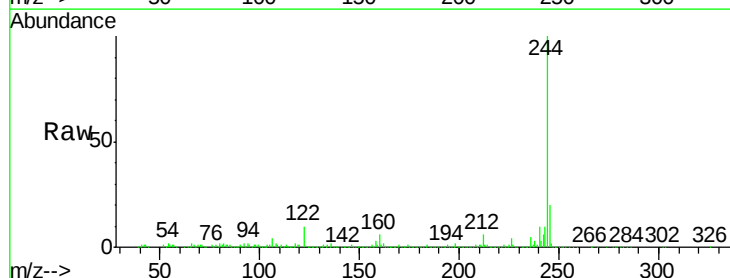
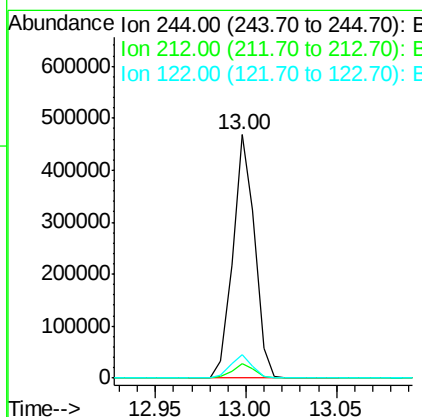
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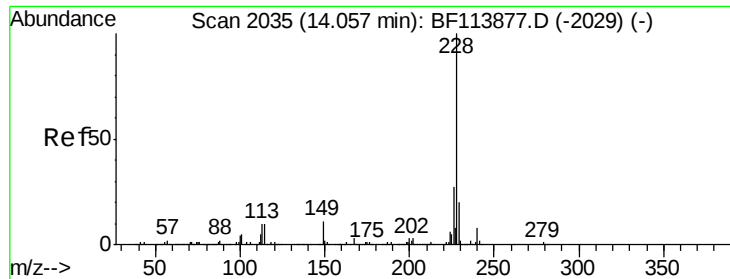
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#79
Terphenyl-d14
Concen: 14.196 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF113900.D
Acq: 23 Apr 2019 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	391733		
212	6.1	5.4	8.2	
122	9.9	7.6	11.4	





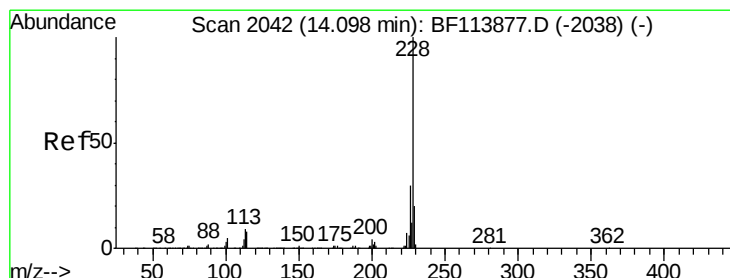
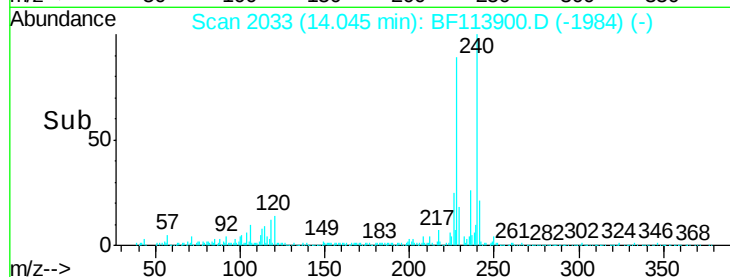
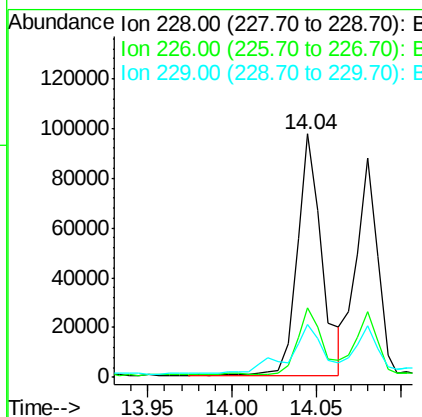
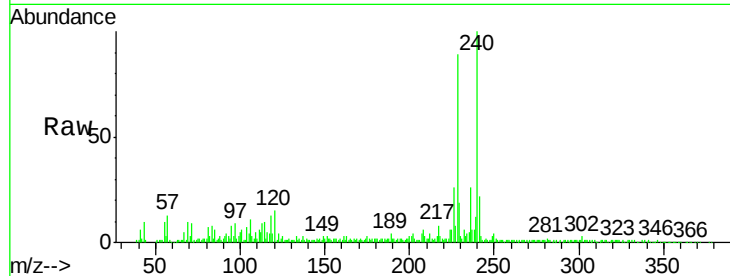
#81
Benzo(a)anthracene
Concen: 2.956 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF113900.D
Acq: 23 Apr 2019 1:21

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-B

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	98521		
226	28.6	22.2	33.2	
229	21.7	16.0	24.0	

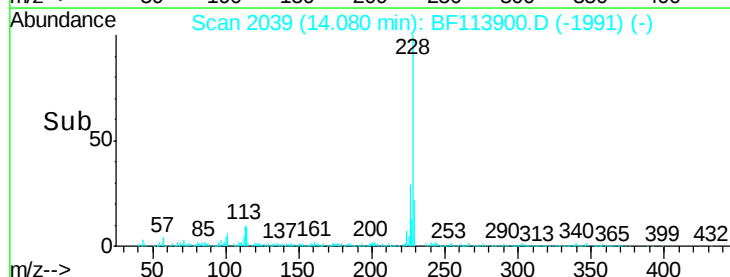
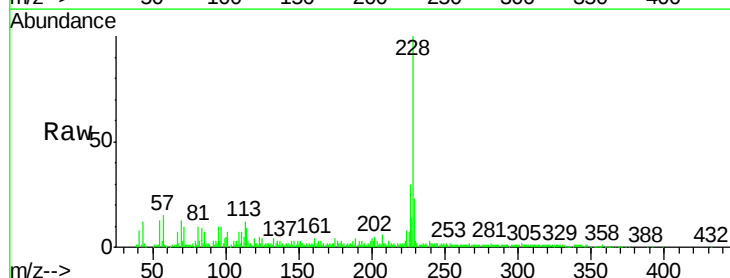
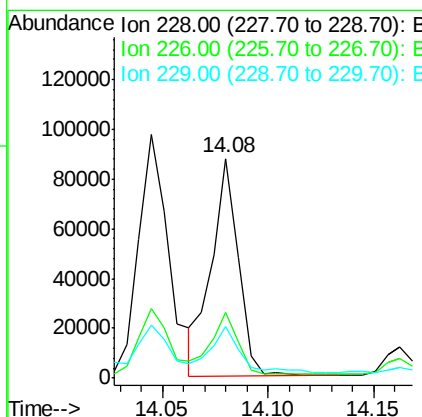
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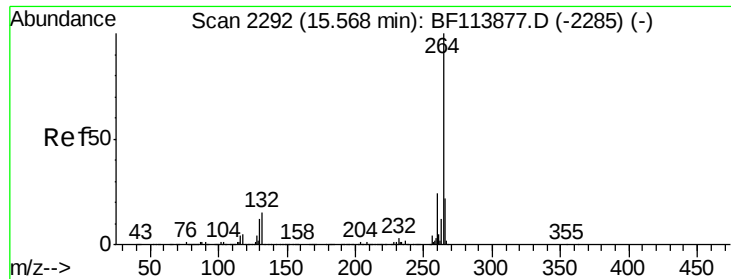
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#83
Chrysene
Concen: 2.397 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.02 min
Lab File: BF113900.D
Acq: 23 Apr 2019 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	77826		
226	30.0	25.2	37.8	
229	23.5	16.7	25.1	





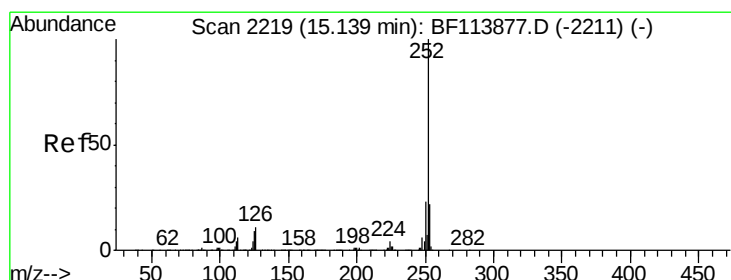
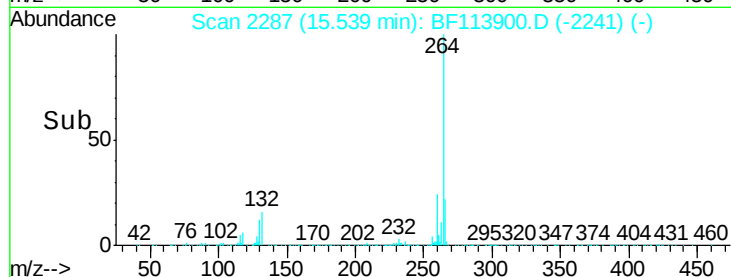
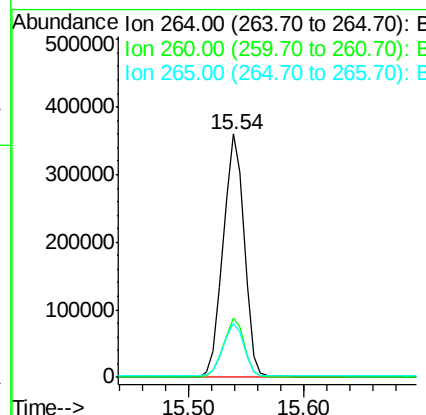
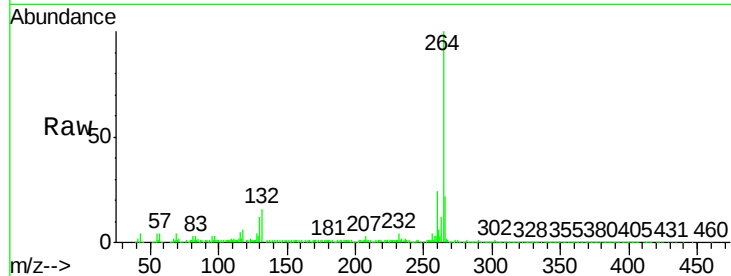
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.03 min
Lab File: BF113900.D
Acq: 23 Apr 2019 1:21

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-B

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	452885		
260	24.1	18.9	28.3	
265	22.4	17.3	25.9	

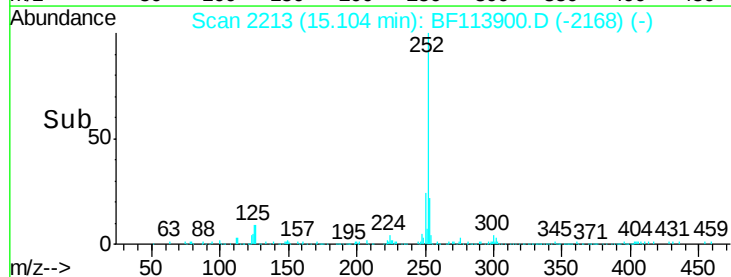
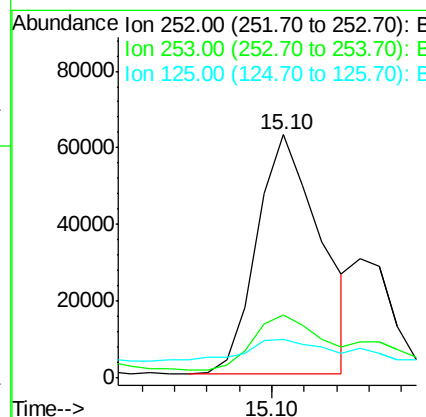
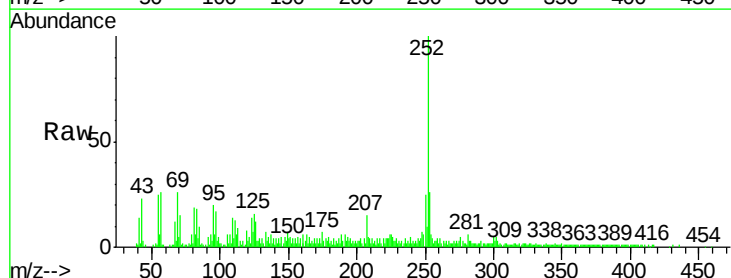
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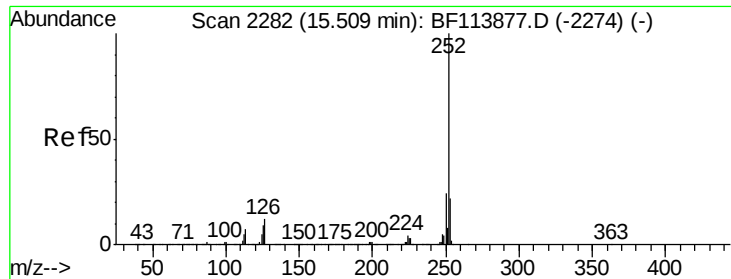
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#88
Benzo(b)fluoranthene
Concen: 2.957 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF113900.D
Acq: 23 Apr 2019 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	84725		
253	26.1	17.8	26.6	
125	16.0	7.0	10.6	





#90

Benzo(a)pyrene

Concen: 2.339 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.04 min

Lab File: BF113900.D

Acq: 23 Apr 2019 1:21

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-B

Tgt Ion: 252 Resp: 57975

Ion Ratio Lower Upper

252 100

253 26.8 17.5 26.3#

125 18.0 8.5 12.7#

Manual Integrations
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