

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113867.D
 Acq On : 19 Apr 2019 19:05
 Operator : JU/SJ
 Sample : K2199-15 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-B

Manual Integrations
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Quant Time: Apr 20 05:00:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	163674	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	558462	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	253416	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	512830	20.00	ng	0.02
76) Chrysene-d12	14.35	240	447389m	20.00	ng	0.31
87) Perylene-d12	16.17	264	351064m	20.00	ng	0.66
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	211914	21.53	ng	0.00
7) Phenol-d6	6.52	99	269328	21.94	ng	0.00
23) Nitrobenzene-d5	7.45	82	130237	14.20	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	63330	22.62	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	258897	15.58	ng	0.00
79) Terphenyl-d14	13.10	244	332242	15.57	ng	0.10
Target Compounds						
71) Phenanthrene	11.45	178	165543	6.338	ng	97
75) Fluoranthene	12.69	202	279891	10.111	ng	97
78) Pyrene	12.94	202	258031	8.184	ng	97
83) Chrysene	14.34	228	123927m	4.774	ng	
86) Indeno(1,2,3-cd)pyrene	17.72	276	42687m	2.014	ng	
88) Benzo(b)fluoranthene	15.69	252	103155m	4.713	ng	
90) Benzo(a)pyrene	16.10	252	70588m	3.648	ng	
92) Benzo(g,h,i)perylene	18.18	276	39197m	2.240	ng	

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

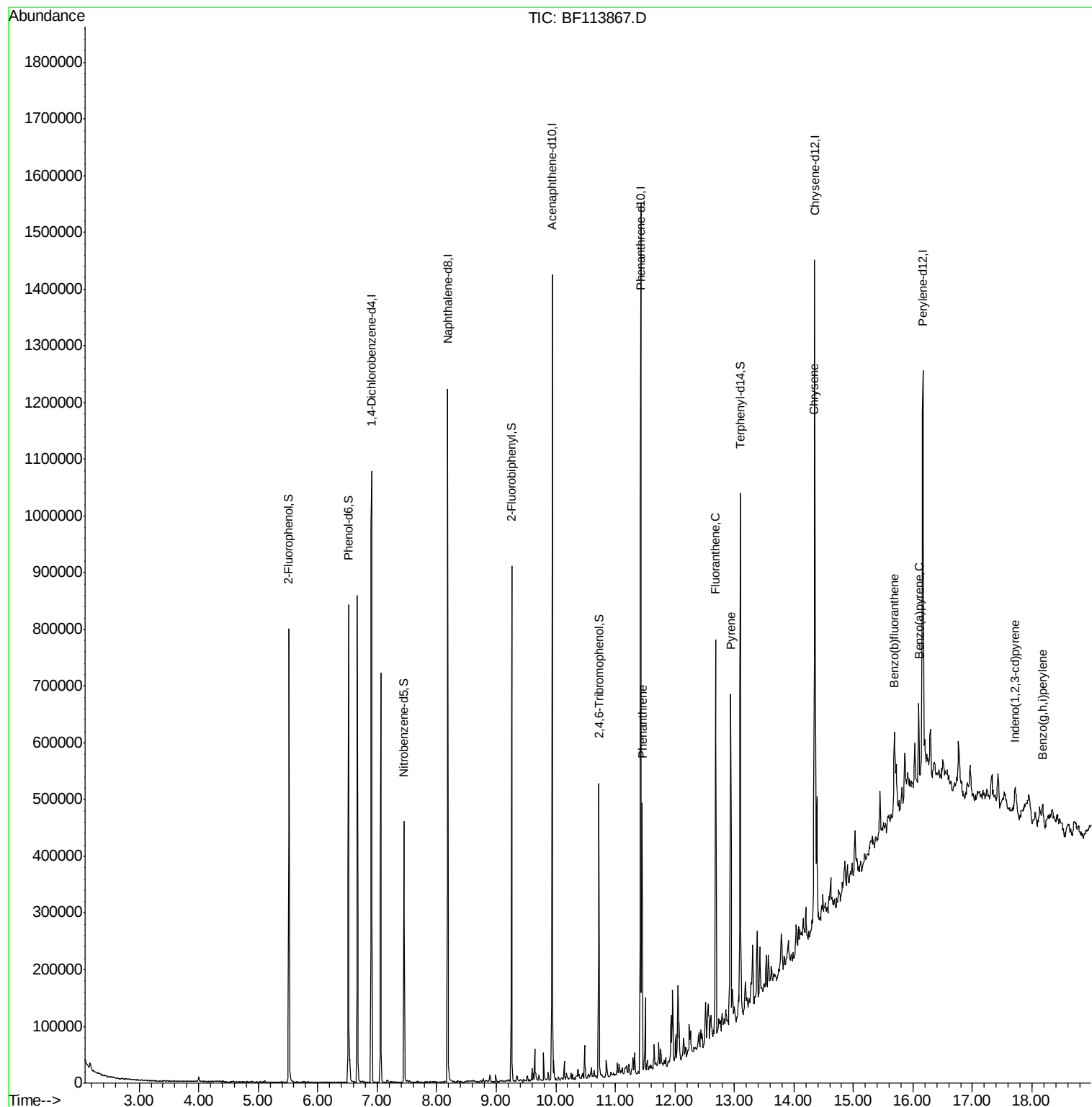
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113867.D
Acq On : 19 Apr 2019 19:05
Operator : JU/SJ
Sample : K2199-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

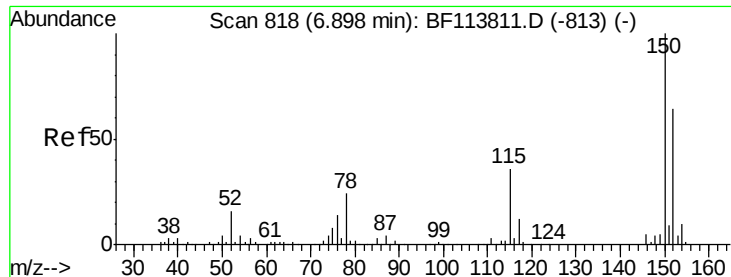
Instrument :
BNA_F
ClientSampleId :
OR-03-041819-B

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Quant Time: Apr 20 05:00:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 13:55:51 2019
Response via : Initial Calibration





#1

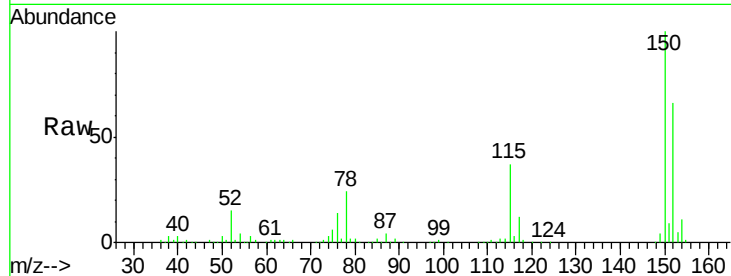
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF113867.D
Acq: 19 Apr 2019 19:05

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-B

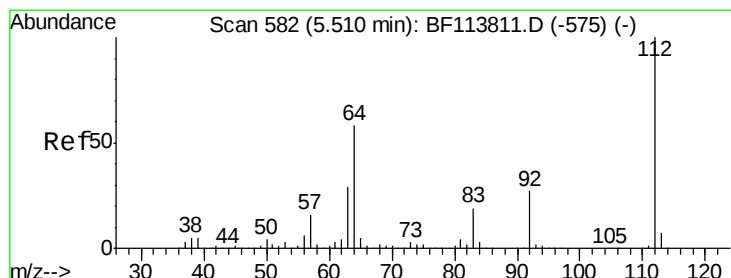
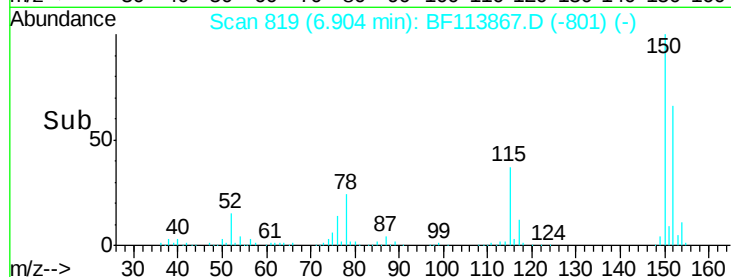
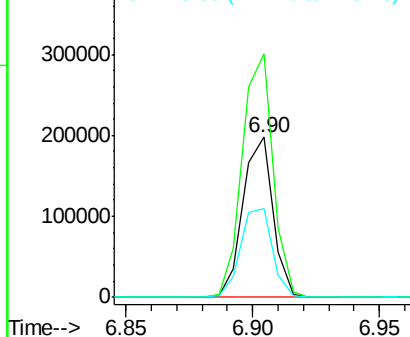
Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.8	125.9	188.9
115	55.6	45.9	68.9

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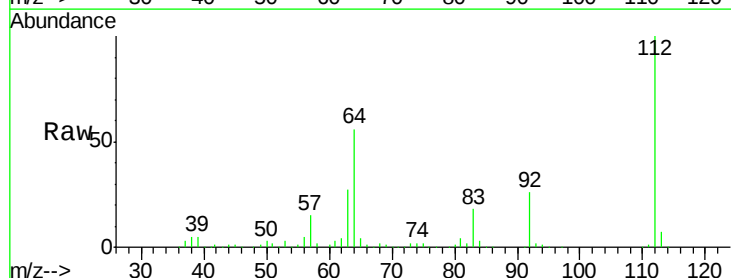
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



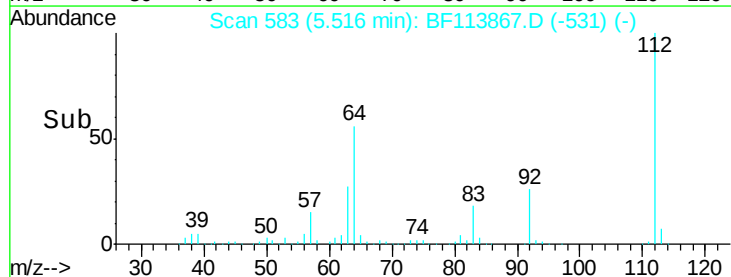
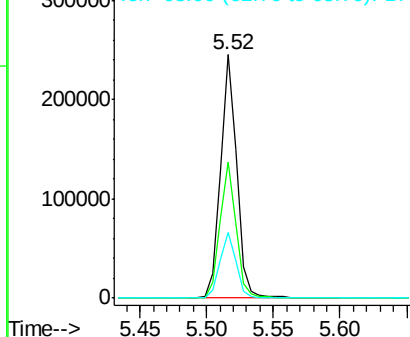
#5

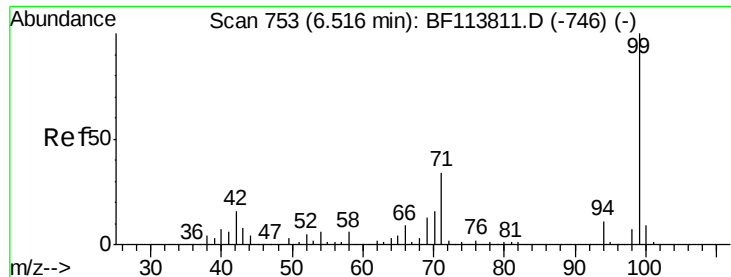
2-Fluorophenol
Concen: 21.529 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF113867.D
Acq: 19 Apr 2019 19:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.6	69.8
63	27.2	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: 21.940 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

Instrument :

BNA_F

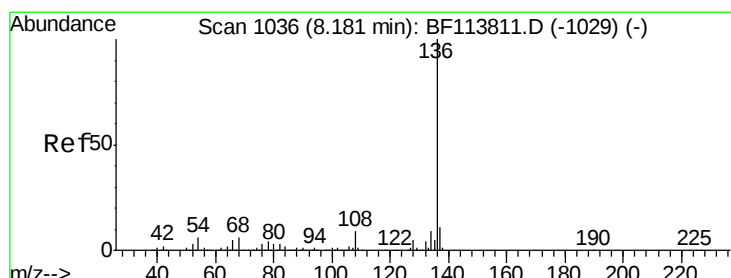
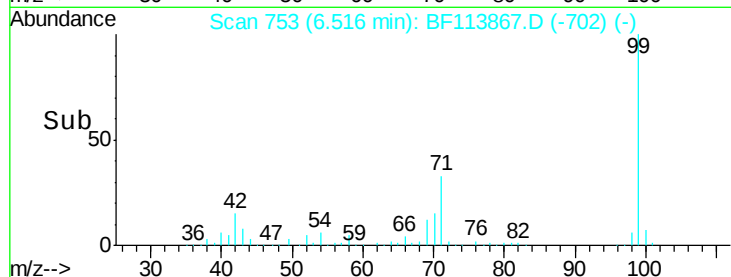
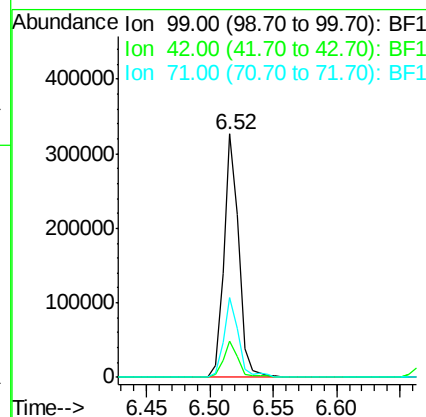
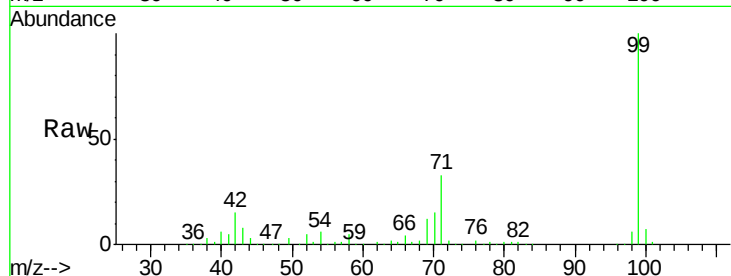
ClientSampleId :

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Tgt Ion:	99	Resp:	269328
Ion Ratio	Lower	Upper	
99	100		
42	14.6	12.5	18.7
71	32.5	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

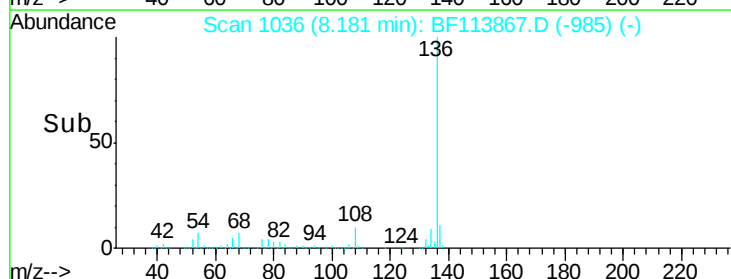
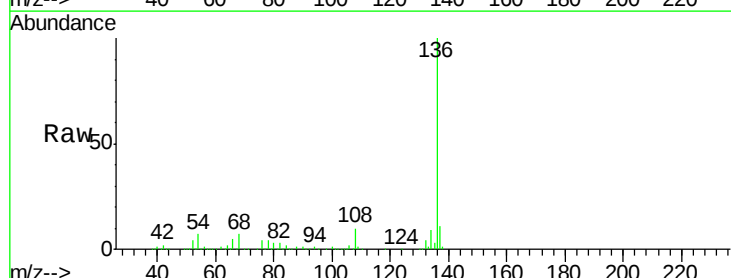
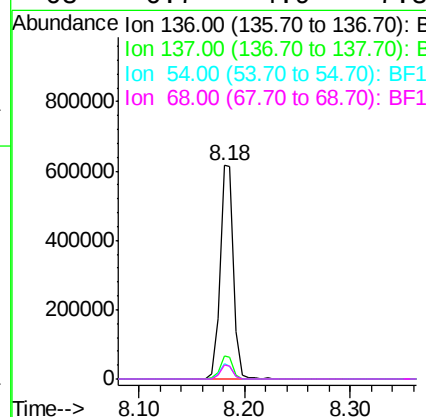
RT: 8.18 min Scan# 1036

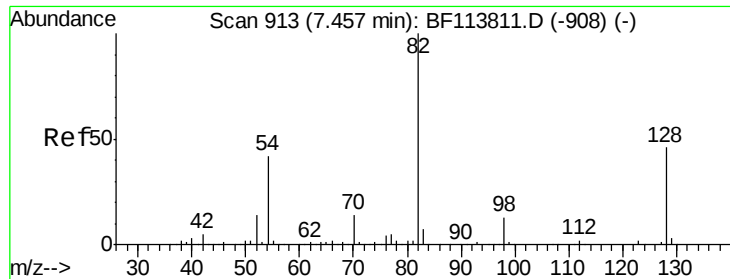
Delta R.T. -0.00 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

Tgt Ion:	136	Resp:	558462
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	12.8
54	7.2	5.0	7.6
68	6.7	4.9	7.3





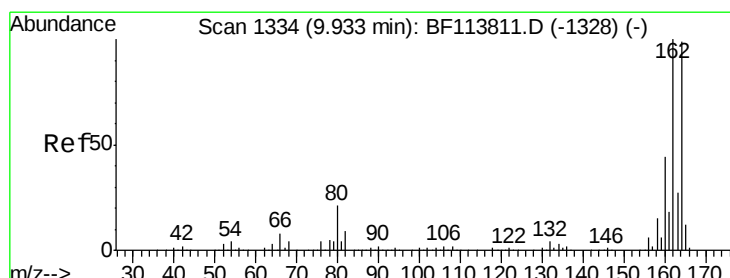
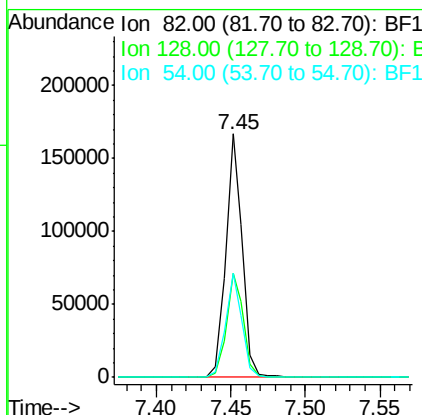
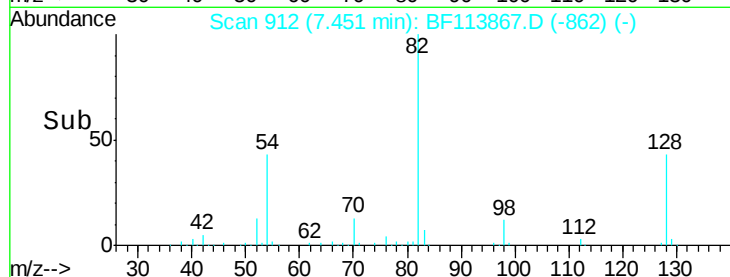
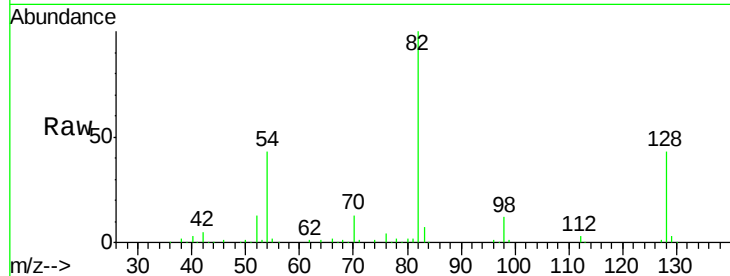
#23
 Nitrobenzene-d5
 Concen: 14.201 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF113867.D
 Acq: 19 Apr 2019 19:05

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-B

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	130237		
128	42.8	36.8	55.2	
54	42.8	33.8	50.6	

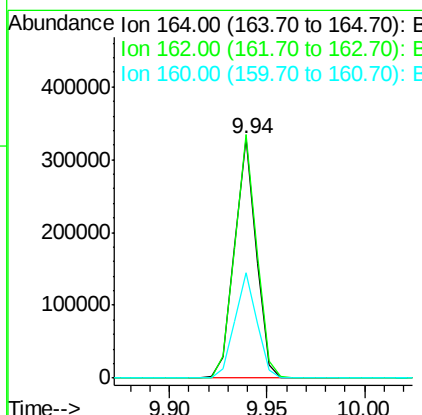
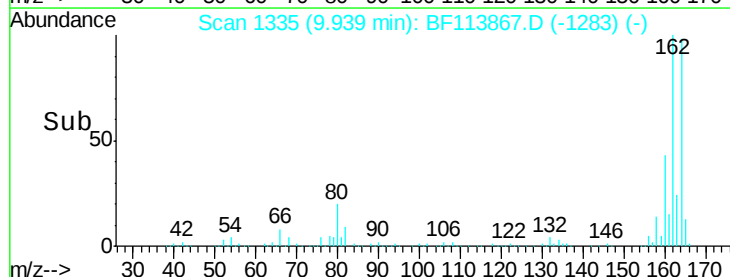
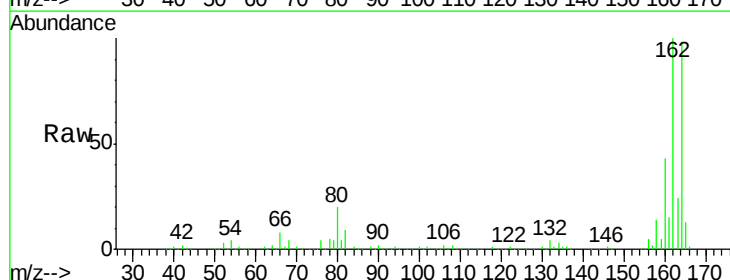
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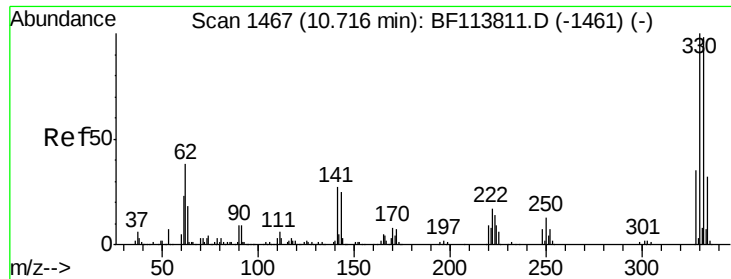
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF113867.D
 Acq: 19 Apr 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	253416		
162	101.7	81.1	121.7	
160	43.8	35.8	53.6	





#42

2,4,6-Tribromophenol

Concen: 22.620 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.01 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

Instrument :

BNA_F

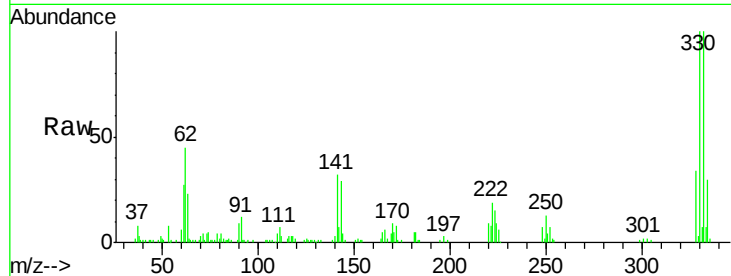
ClientSampleId :

OR-03-041819-B

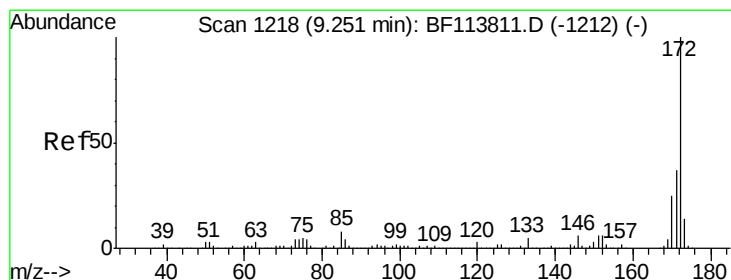
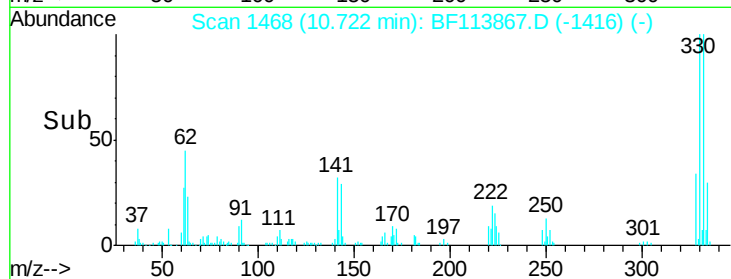
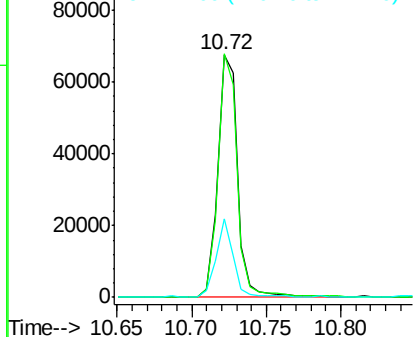
Tgt Ion:	330	Resp:	63330
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.5	116.3
141	28.1	22.2	33.2

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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: 15.580 ng

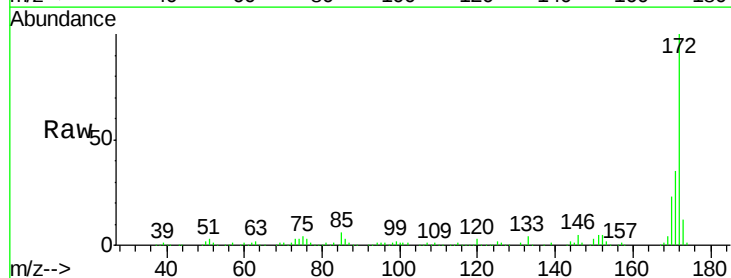
RT: 9.26 min Scan# 1219

Delta R.T. 0.01 min

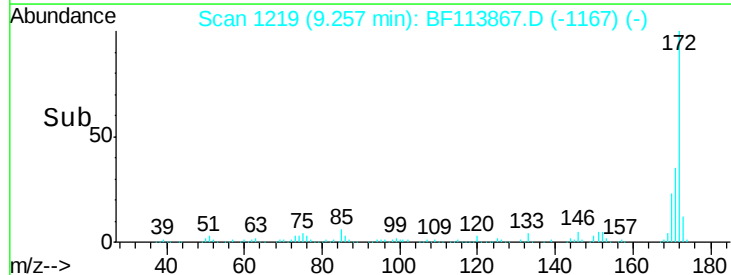
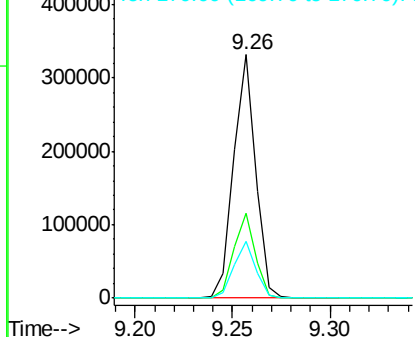
Lab File: BF113867.D

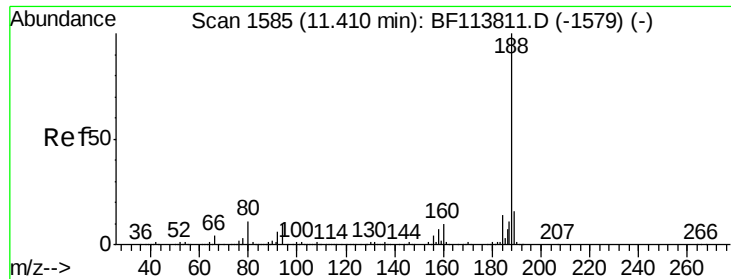
Acq: 19 Apr 2019 19:05

Tgt Ion:	172	Resp:	258897
Ion Ratio	Lower	Upper	
172	100		
171	35.0	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: 11.43 min Scan# 1588

Delta R.T. 0.02 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

Instrument :

BNA_F

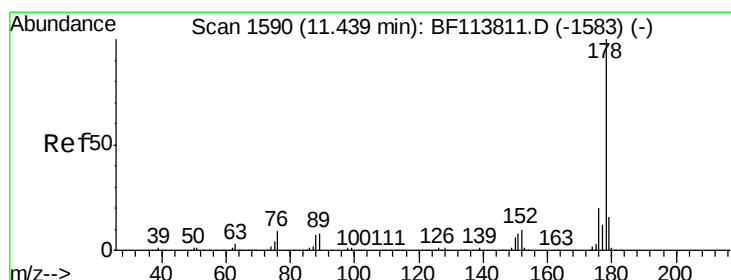
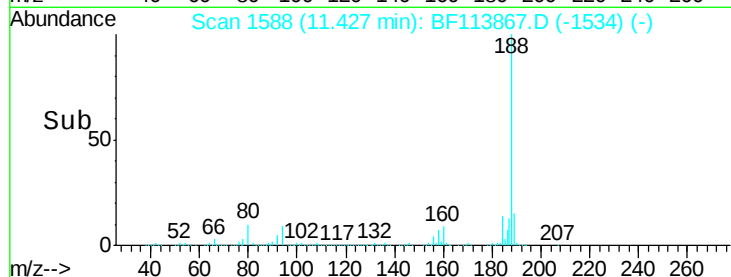
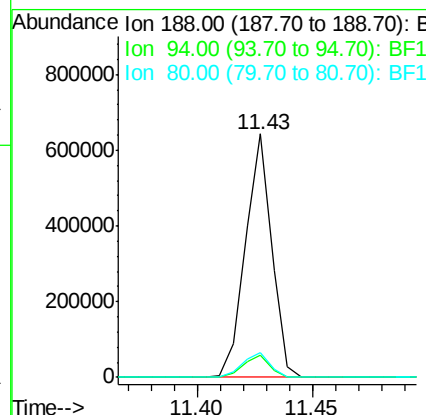
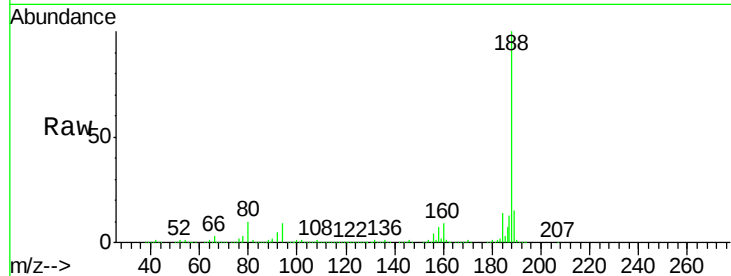
ClientSampleId :

OR-03-041819-B

Tgt Ion:	188	Resp:	512830
Ion Ratio	Lower	Upper	
188	100		
94	8.9	8.2	12.4
80	10.3	9.0	13.6

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#71

Phenanthrene

Concen: 6.338 ng

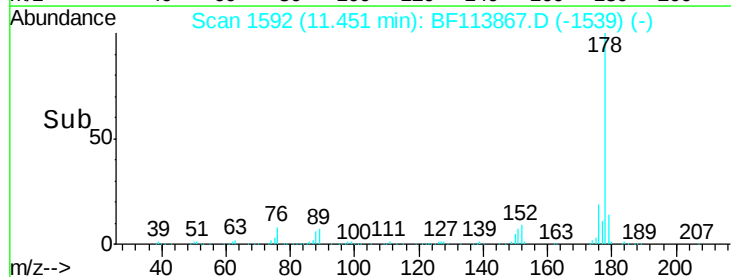
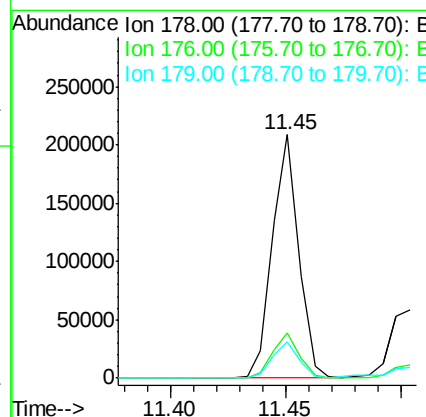
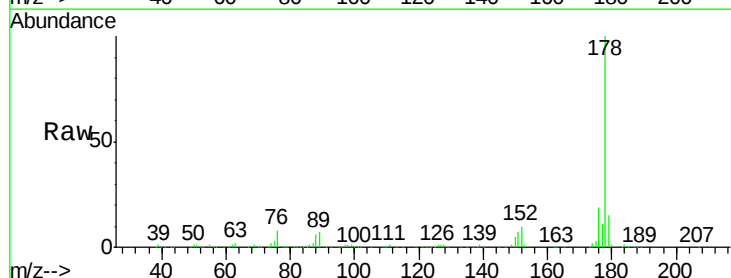
RT: 11.45 min Scan# 1592

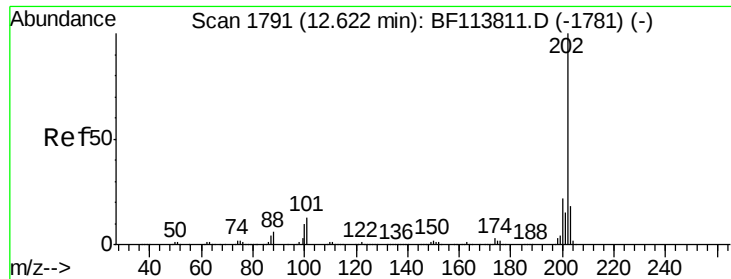
Delta R.T. 0.01 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

Tgt Ion:	178	Resp:	165543
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.1	24.1
179	14.7	12.8	19.2





#75

Fluoranthene

Concen: 10.111 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.06 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

Instrument :

BNA_F

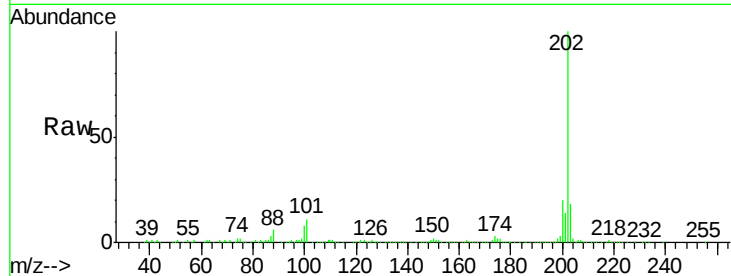
ClientSampleId :

OR-03-041819-B

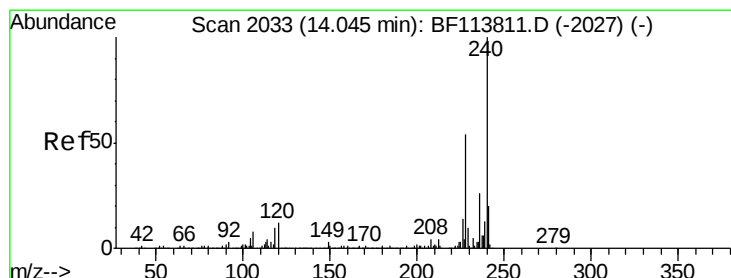
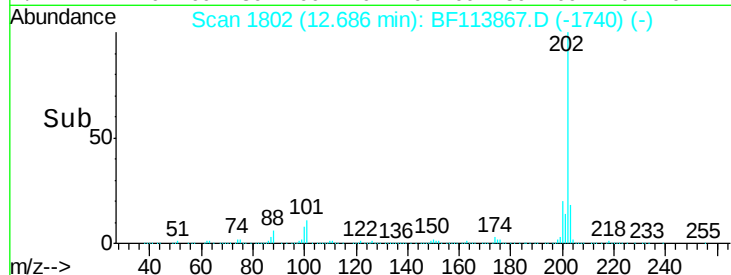
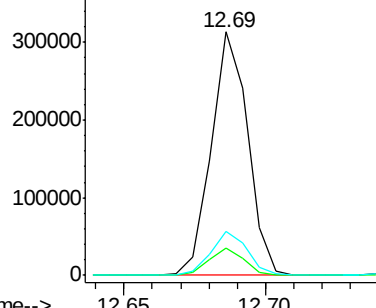
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		279891		
101	11.0	0.0	32.9		
203	17.8	0.0	38.2		

Manual Integrations
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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 m

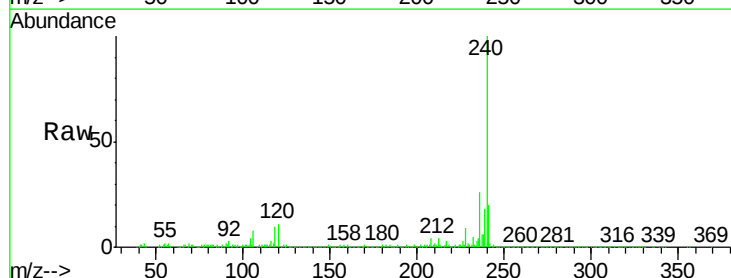
RT: 14.35 min Scan# 2085

Delta R.T. 0.31 min

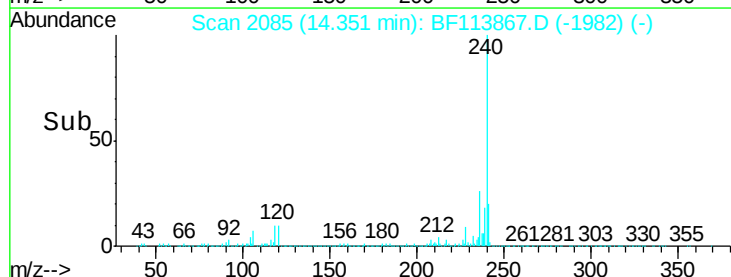
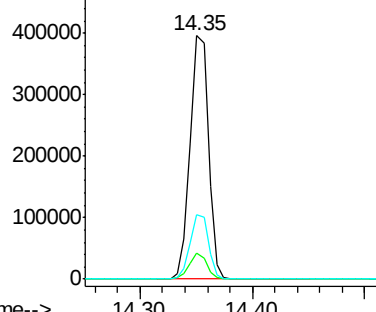
Lab File: BF113867.D

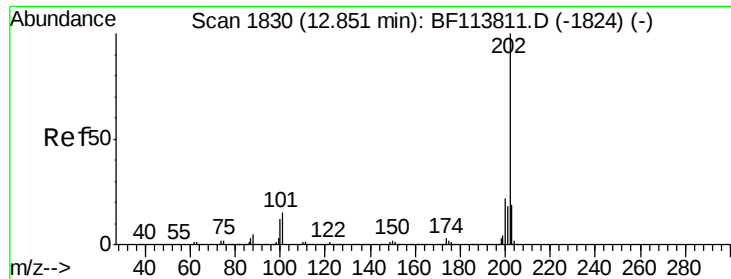
Acq: 19 Apr 2019 19:05

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		447389		
120	10.6	9.3	13.9		
236	26.4	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





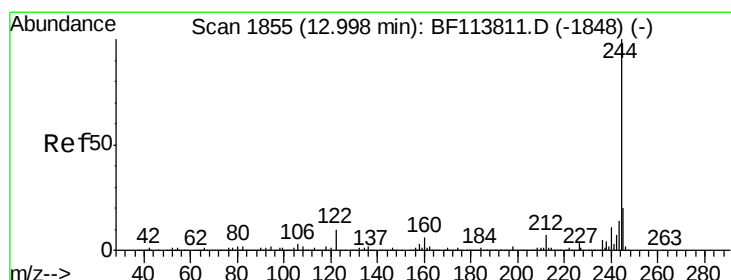
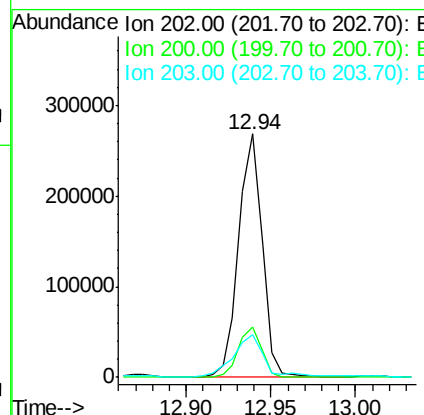
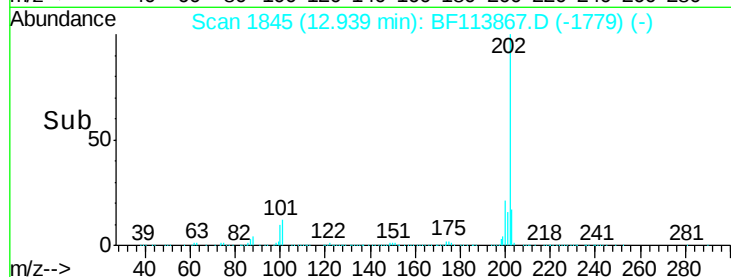
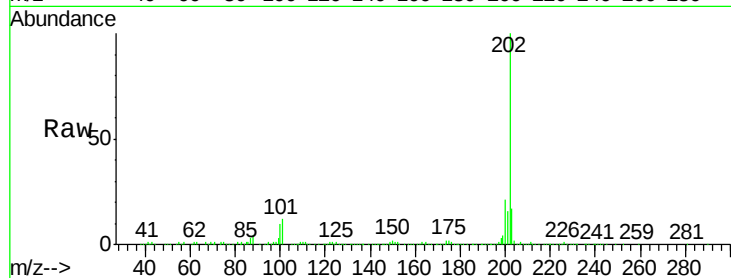
#78
 Pyrene
 Concen: 8.184 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.09 min
 Lab File: BF113867.D
 Acq: 19 Apr 2019 19:05

Instrument :
 BNA_F
 ClientSampled :
 OR-03-041819-B

Tgt Ion:	202	Resp:	258031
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.7	26.5
203	17.4	15.0	22.6

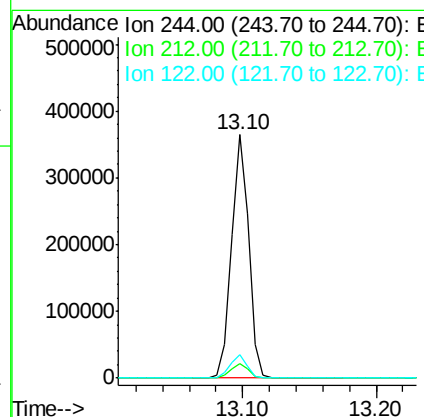
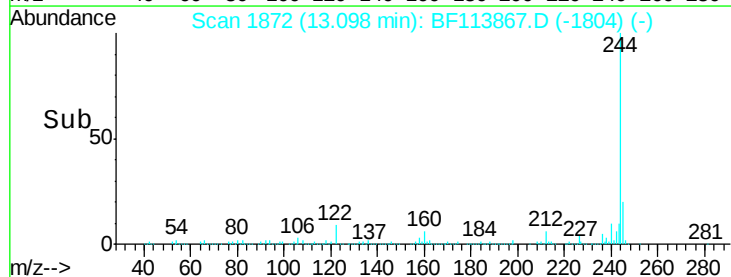
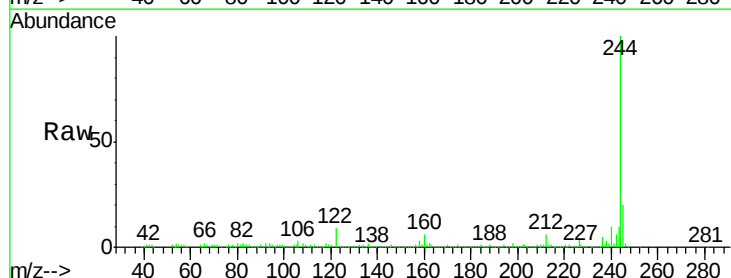
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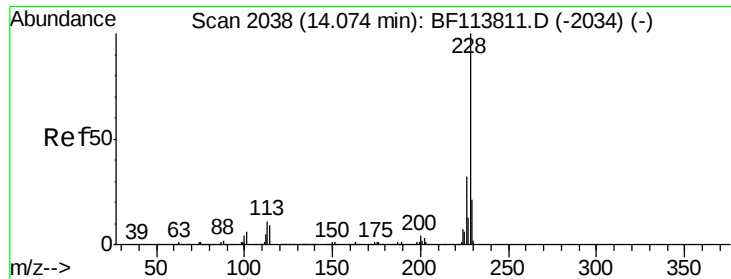
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 4/22/2019 7:27:04 PM



#79
 Terphenyl-d14
 Concen: 15.572 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. 0.10 min
 Lab File: BF113867.D
 Acq: 19 Apr 2019 19:05

Tgt Ion:	244	Resp:	332242
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.4	8.2
122	9.4	7.6	11.4





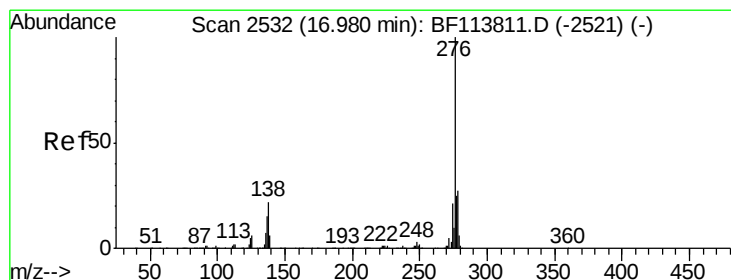
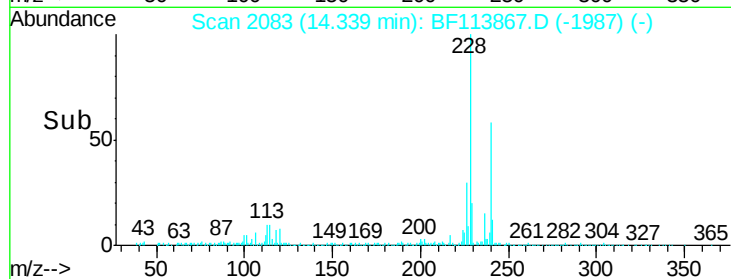
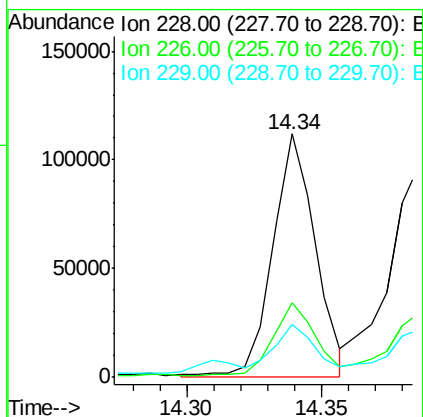
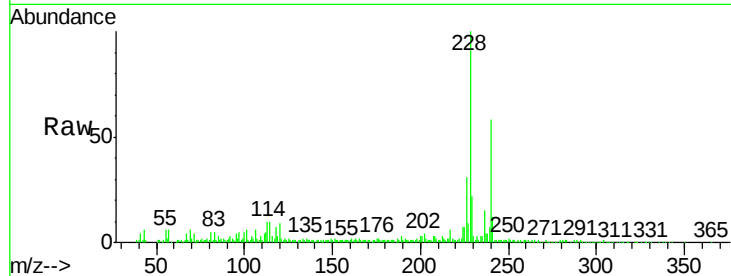
#83
Chrysene
Concen: 4.774 ng m
RT: 14.34 min Scan# 2083
Delta R.T. 0.26 min
Lab File: BF113867.D
Acq: 19 Apr 2019 19:05

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-B

Tgt Ion:	228	Resp:	123927
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.2	37.8
229	21.9	16.7	25.1

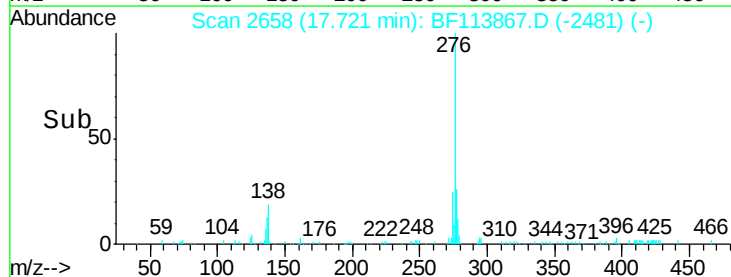
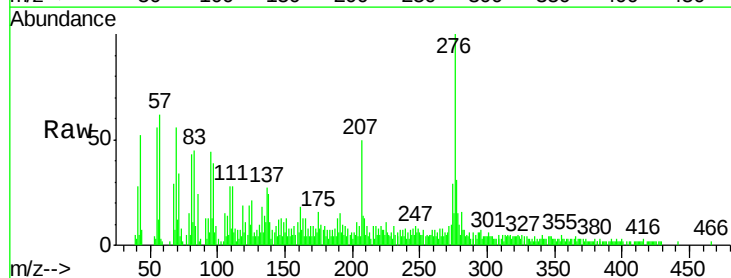
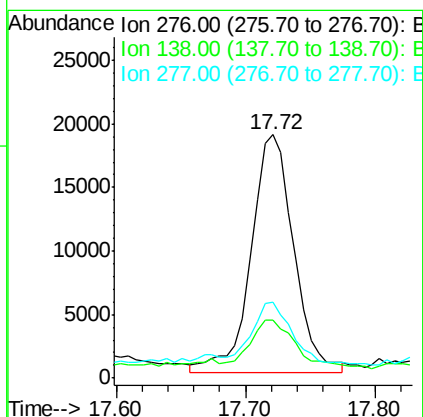
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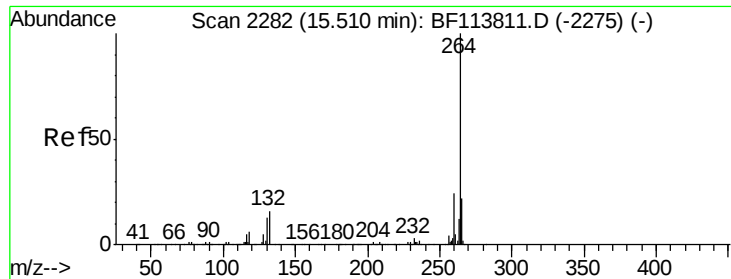
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.014 ng m
RT: 17.72 min Scan# 2658
Delta R.T. 0.74 min
Lab File: BF113867.D
Acq: 19 Apr 2019 19:05

Tgt Ion:	276	Resp:	42687
Ion Ratio	Lower	Upper	
276	100		
138	0.0	19.6	29.4#
277	0.8	20.2	30.4#





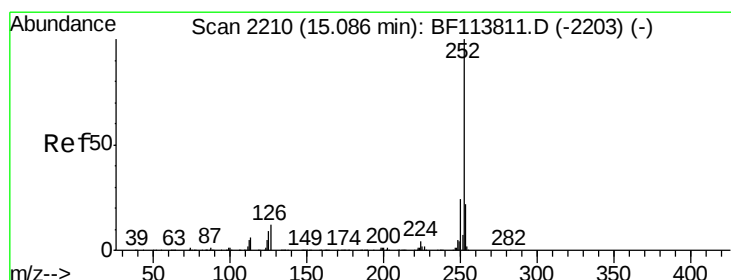
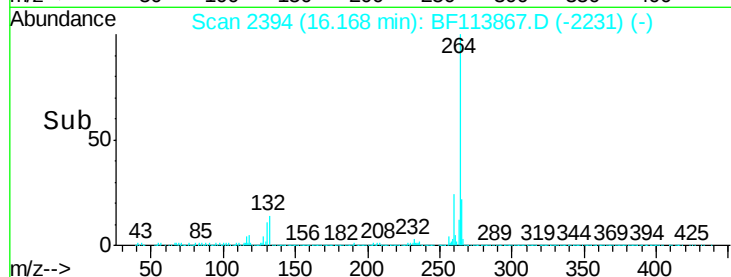
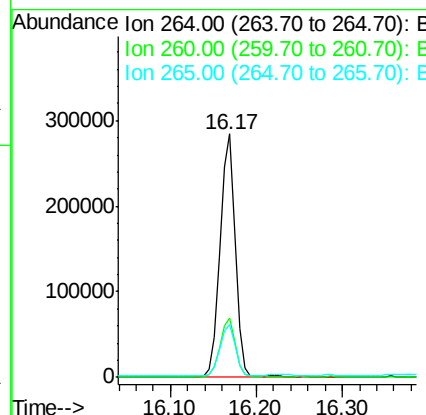
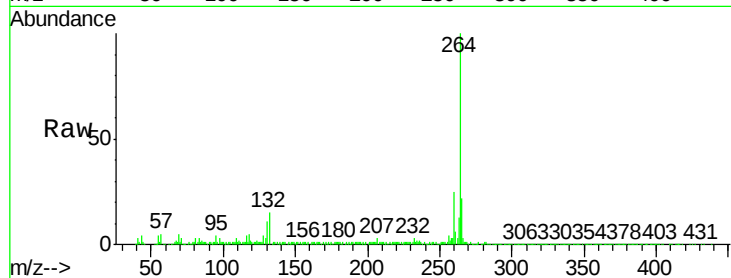
#87
Perylene-d12
Concen: 20.000 ng m
RT: 16.17 min Scan# 2394
Delta R.T. 0.66 min
Lab File: BF113867.D
Acq: 19 Apr 2019 19:05

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.9	28.3
265	21.9	17.3	25.9

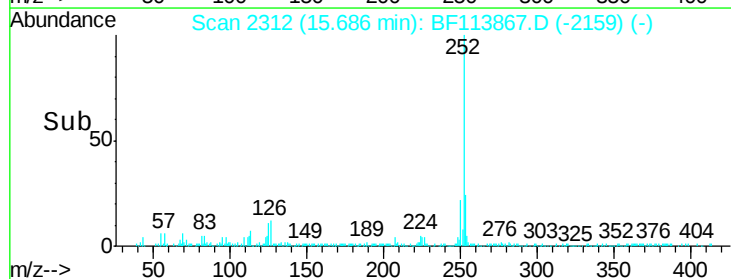
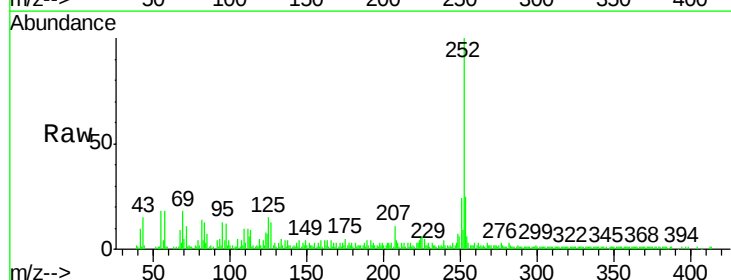
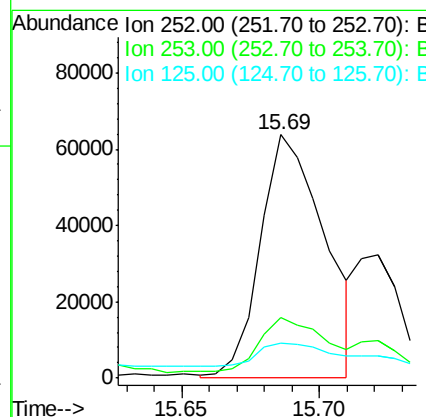
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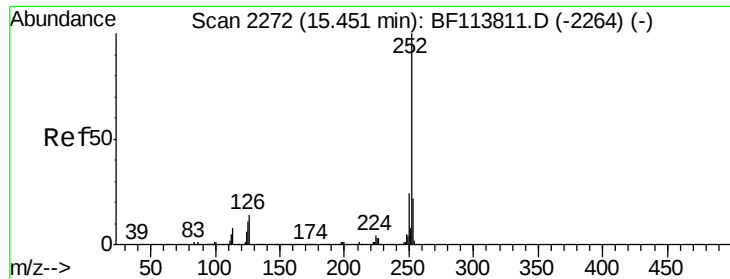
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4/22/2019 7:27:04 PM



#88
Benzo(b)fluoranthene
Concen: 4.713 ng m
RT: 15.69 min Scan# 2312
Delta R.T. 0.60 min
Lab File: BF113867.D
Acq: 19 Apr 2019 19:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.6
125	14.5	7.0	10.6





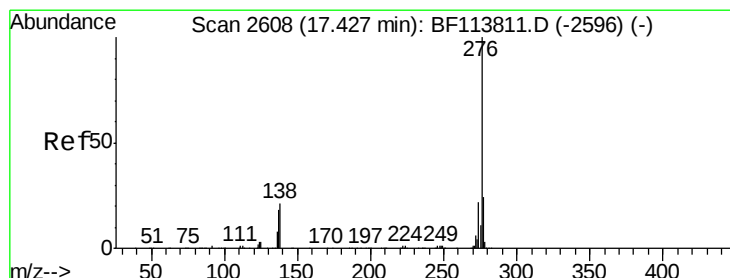
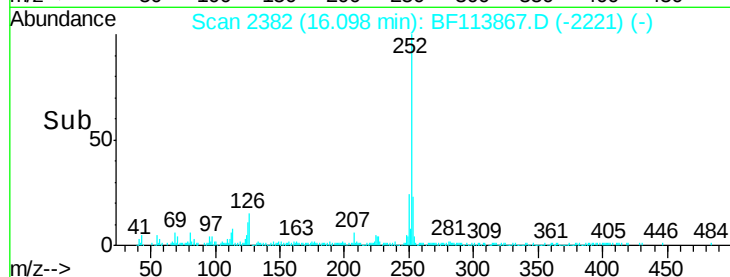
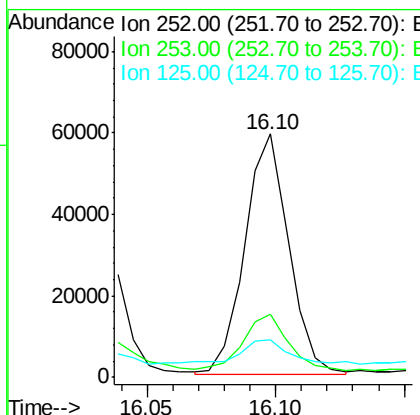
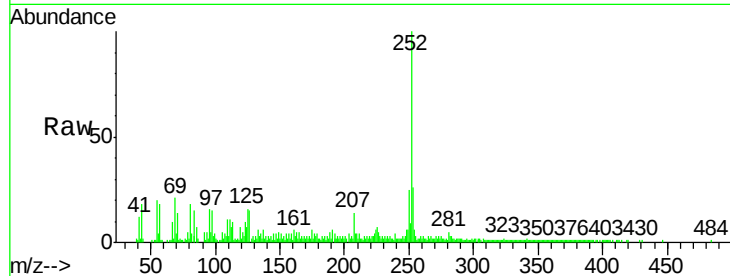
#90
Benzo(a)pyrene
Concen: 3.648 ng m
RT: 16.10 min Scan# 2382
Delta R.T. 0.65 min
Lab File: BF113867.D
Acq: 19 Apr 2019 19:05

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.5	26.3
125	15.6	8.5	12.7

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 2.240 ng m
RT: 18.18 min Scan# 2736
Delta R.T. 0.75 min
Lab File: BF113867.D
Acq: 19 Apr 2019 19:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.0	28.4
138	23.4	16.6	25.0

