

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113476.D
 Acq On : 1 Apr 2019 19:47
 Operator : JU/SJ
 Sample : K1692-05 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-032919

Manual Integrations
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 4/2/2019 3:49:38 PM

Quant Time: Apr 02 07:26:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	135600	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	537589	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	248695	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	447787	20.00	ng	0.00
76) Chrysene-d12	13.85	240	392411	20.00	ng	0.00
87) Perylene-d12	15.26	264	275709	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	159557	19.24	ng	0.00
7) Phenol-d6	6.35	99	231039	22.02	ng	0.00
23) Nitrobenzene-d5	7.27	82	119638	13.21	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	57973	18.87	ng	0.00
45) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
79) Terphenyl-d14	12.79	244	279903	15.72	ng	0.00
Target Compounds						
52) Acenaphthene	9.77	154	29854	2.050	ng	Qvalue 100
71) Phenanthrene	11.24	178	291266	13.098	ng	98
72) Anthracene	11.29	178	87618	3.879	ng	97
75) Fluoranthene	12.43	202	520962	20.723	ng	100
78) Pyrene	12.65	202	484141	17.804	ng	98
81) Benzo(a)anthracene	13.84	228	238871	10.634	ng	97
83) Chrysene	13.87	228	202788	8.888	ng	98
86) Indeno(1,2,3-cd)pyrene	16.62	276	77533	3.960	ng	98
88) Benzo(b)fluoranthene	14.86	252	199937m	11.674	ng	
89) Benzo(k)fluoranthene	14.89	252	81631m	5.427	ng	
90) Benzo(a)pyrene	15.20	252	146943	9.678	ng	95
92) Benzo(g,h,i)perylene	17.03	276	83287	6.292	ng	94

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

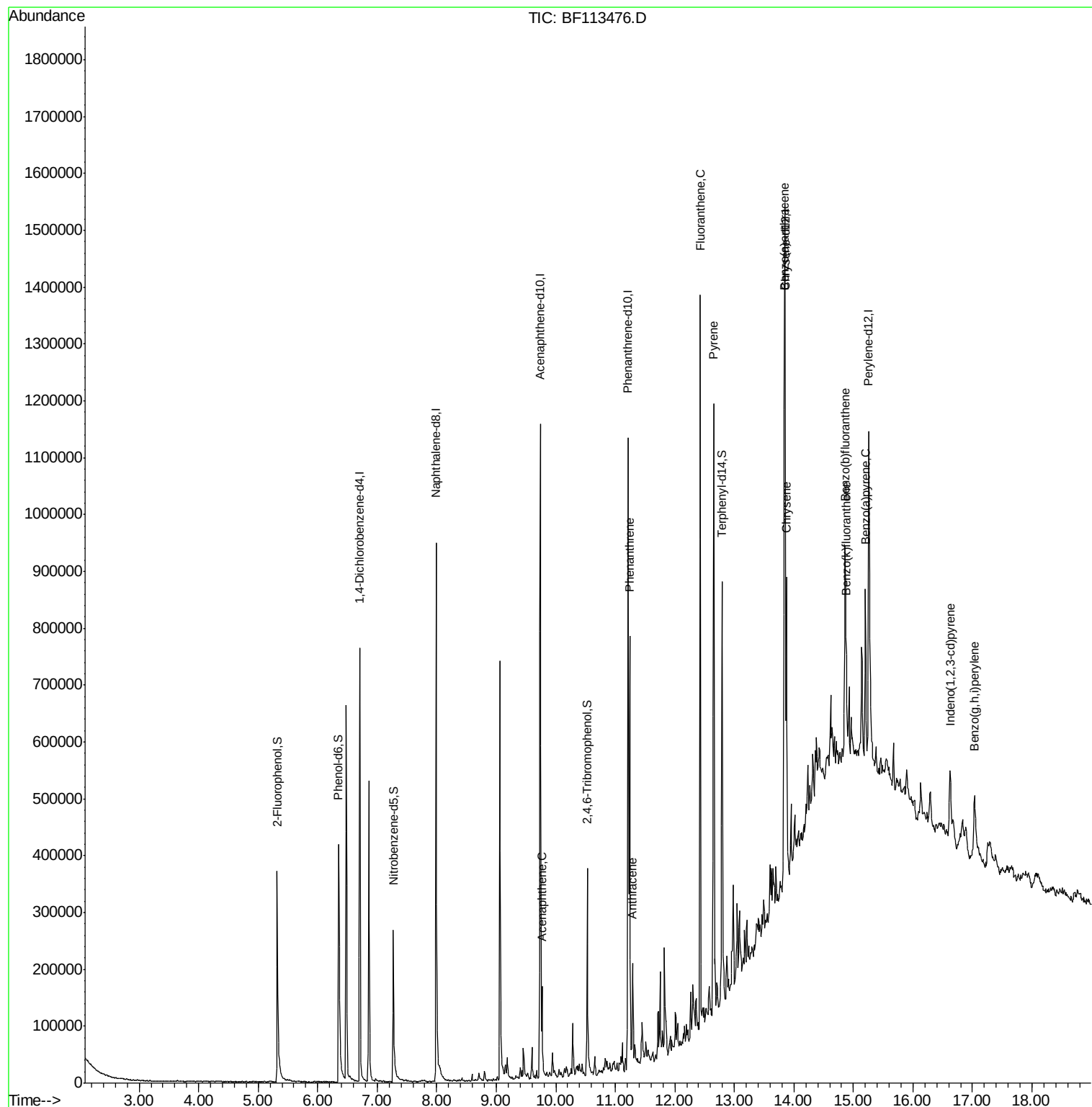
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
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ALS Vial : 19 Sample Multiplier: 1

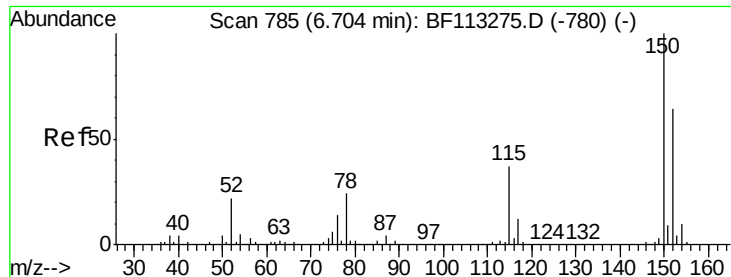
Instrument :
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#1

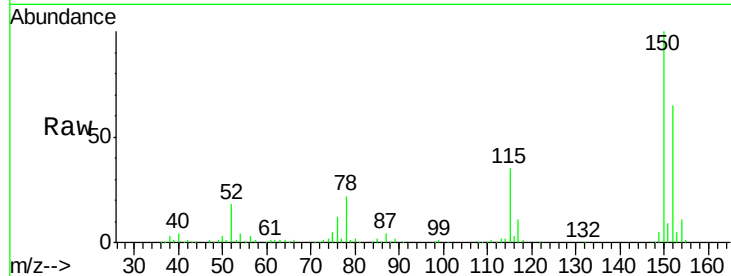
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.01 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Instrument :
BNA_F
ClientSampleId :
OK-03-032919

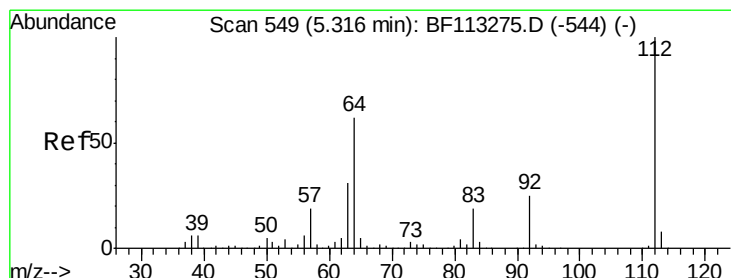
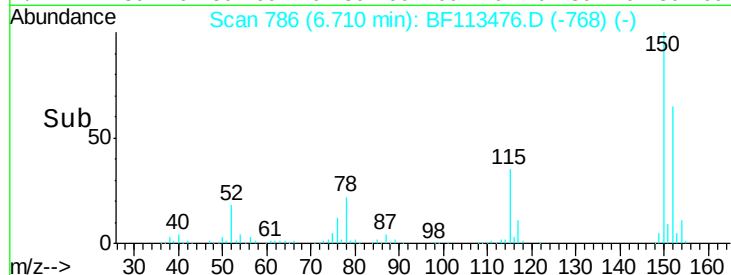
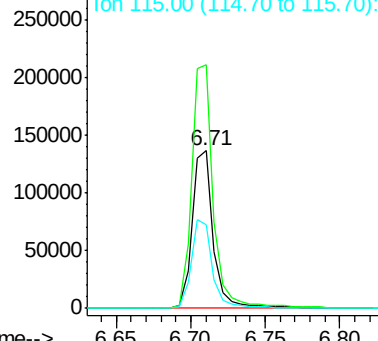
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	135600		
150	154.6	124.7	187.1	
115	53.4	46.0	69.0	

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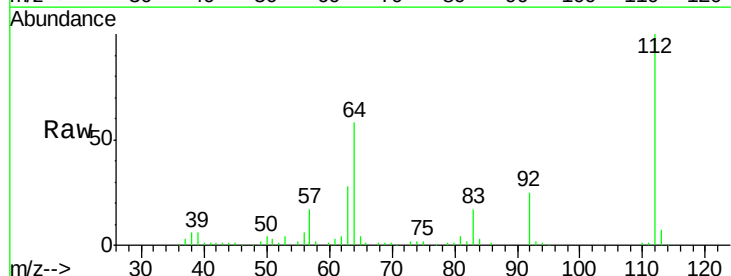
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



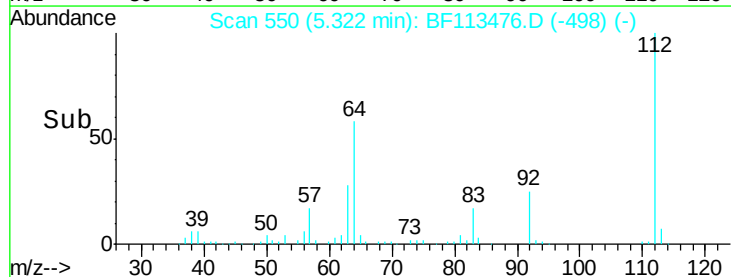
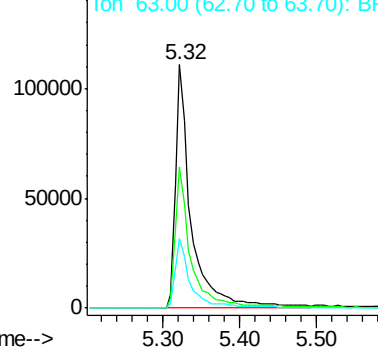
#5

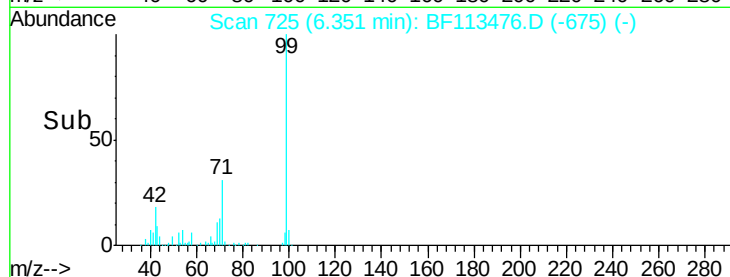
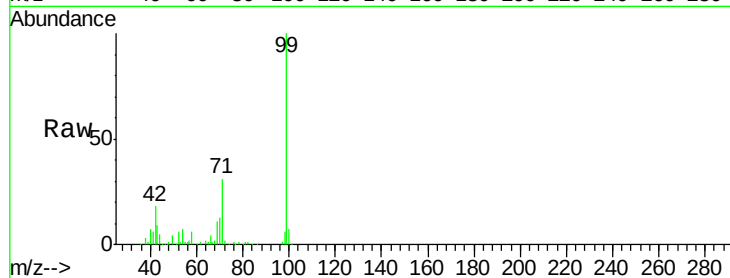
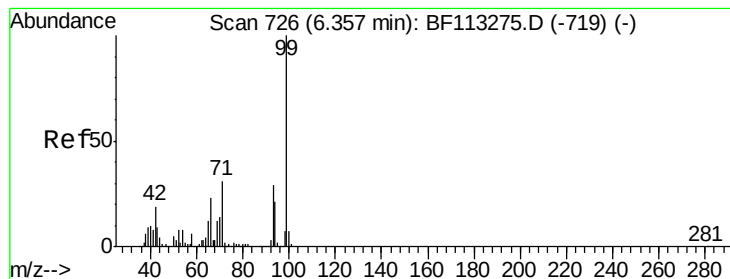
2-Fluorophenol
Concen: 19.240 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	159557		
64	57.7	49.2	73.8	
63	28.3	24.9	37.3	



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: 22.022 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

Tgt Ion:	99	Resp:	231039
Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.8	22.2
71	30.6	24.9	37.3

Instrument :

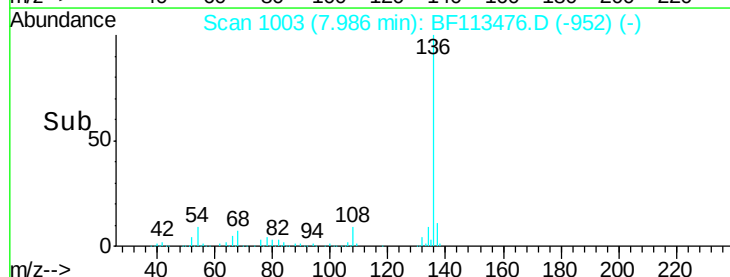
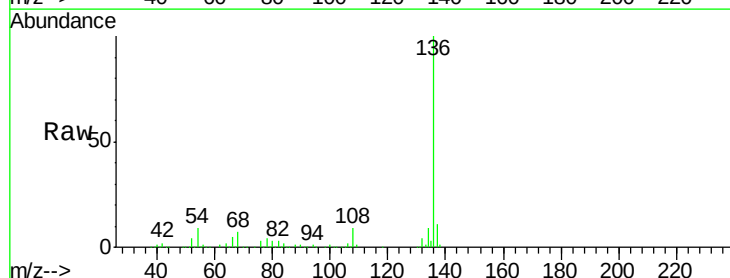
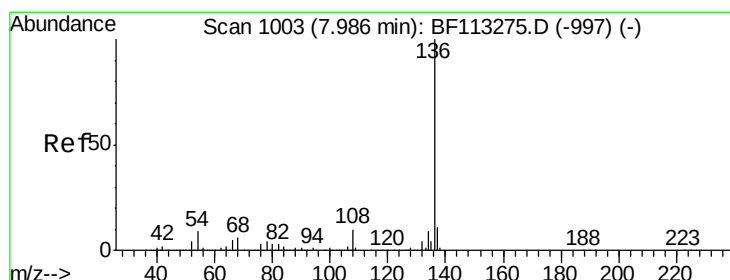
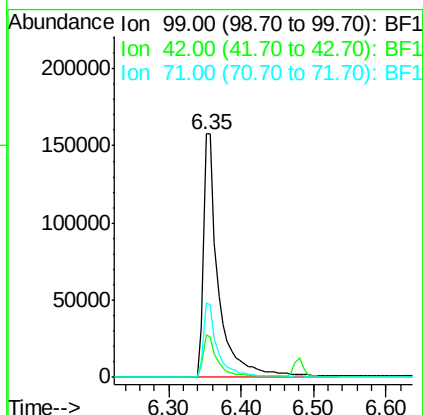
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#21

Naphthalene-d8

Concen: 20.000 ng

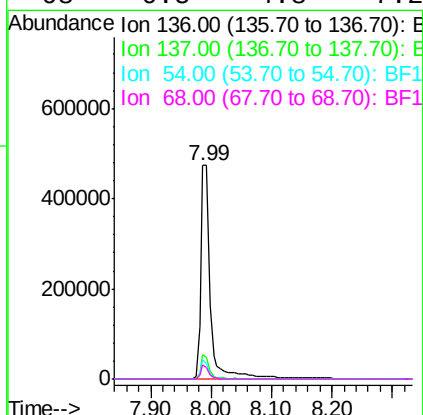
RT: 7.99 min Scan# 1003

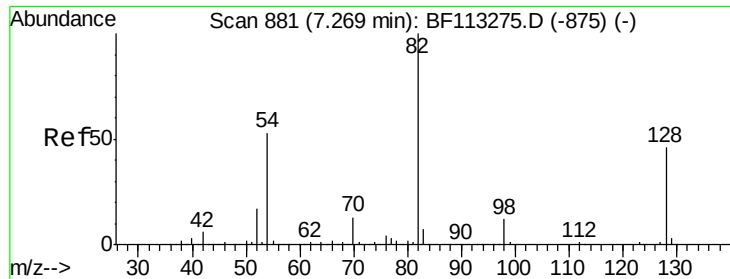
Delta R.T. -0.00 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

Tgt Ion:	136	Resp:	537589
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.8	7.0	10.6
68	6.5	4.8	7.2





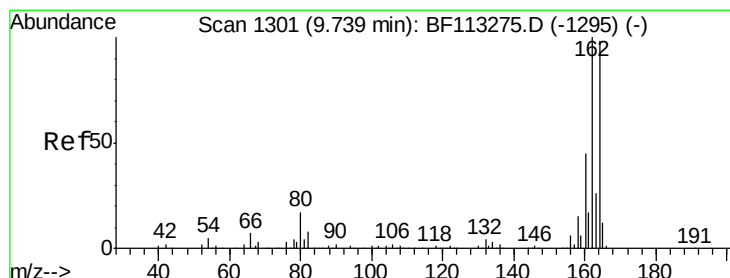
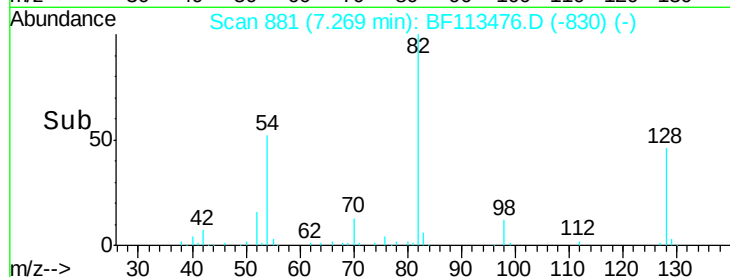
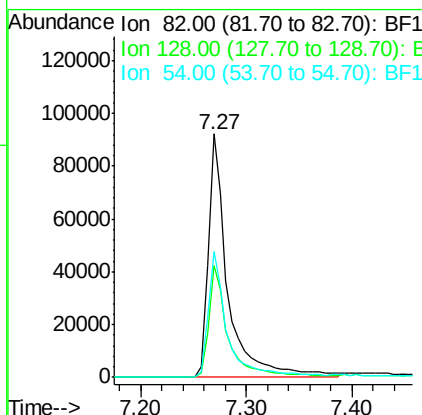
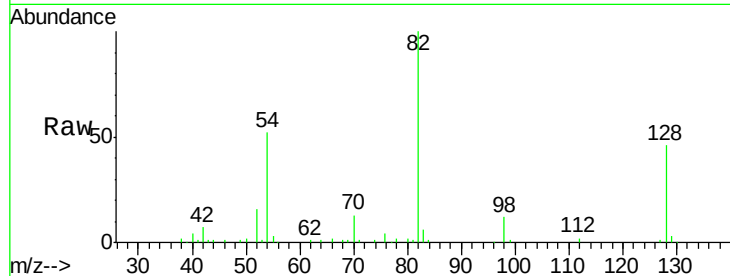
#23
Nitrobenzene-d5
Concen: 13.209 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Instrument :
BNA_F
ClientSampleId :
OK-03-032919

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.5	54.7
54	51.9	42.2	63.2

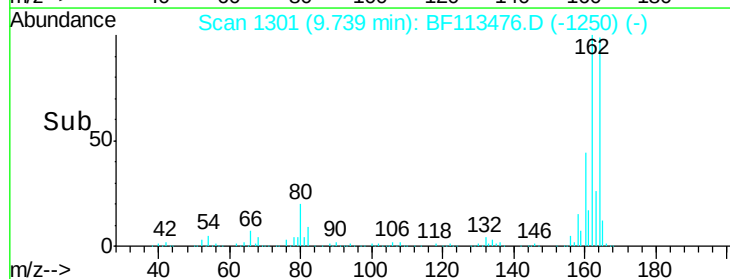
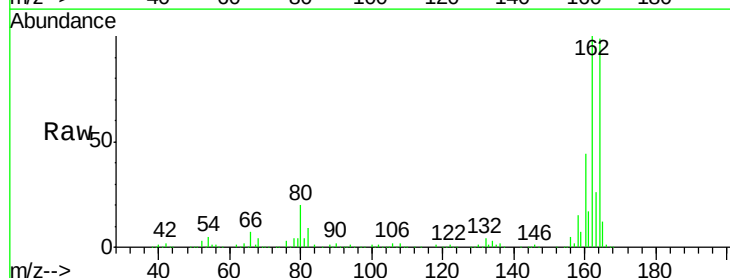
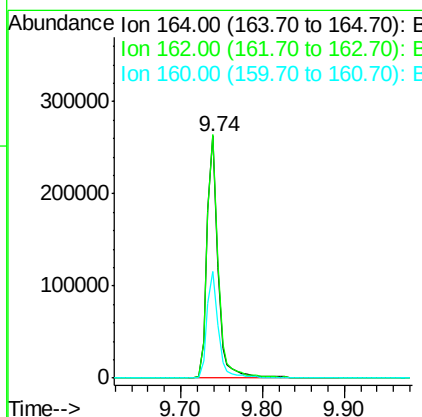
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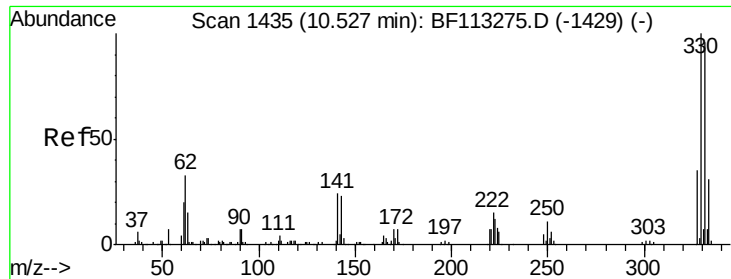
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.8	122.6
160	44.0	36.4	54.6





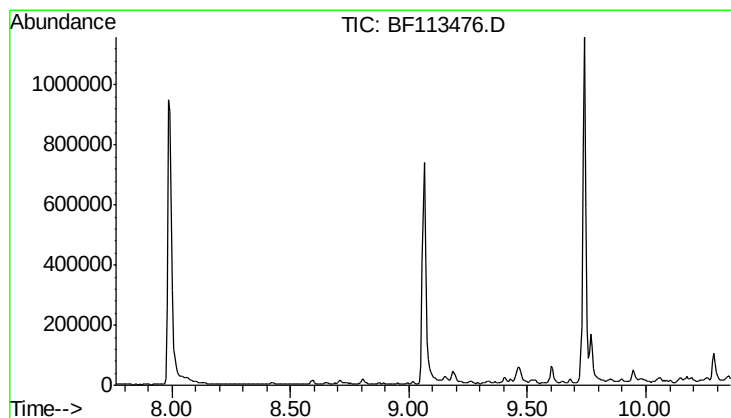
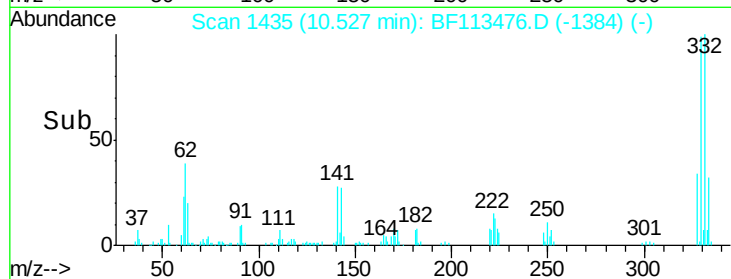
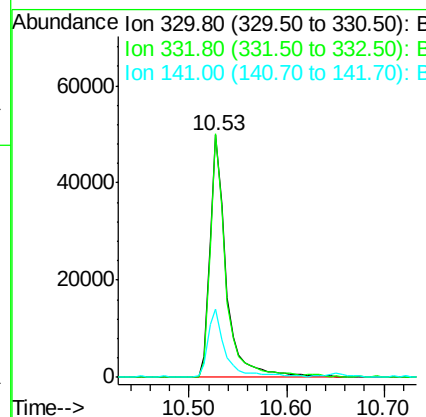
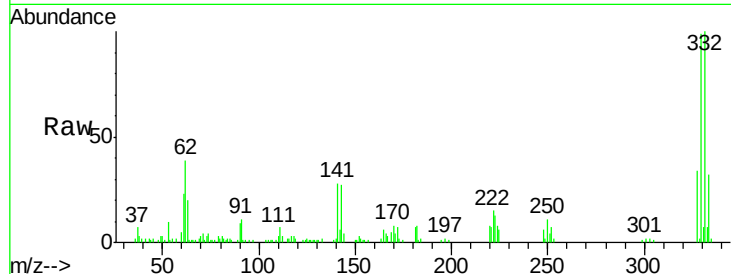
#42
 2,4,6-Tribromophenol
 Concen: 18.872 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-032919

Tgt Ion:	330	Resp:	57973
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.8	116.6
141	30.4	22.7	34.1

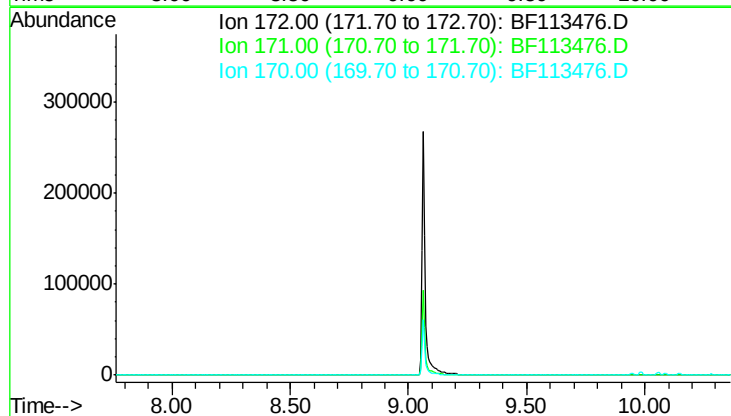
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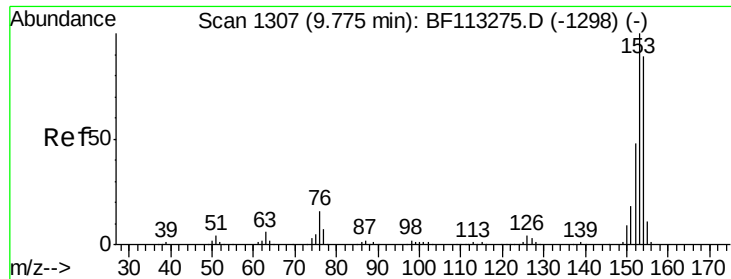
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#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.06 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

Tgt Ion:	172
Sig	Exp Ratio
172	100
171	36.3
170	24.4





#52

Acenaphthene

Concen: 2.050 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF113476.D

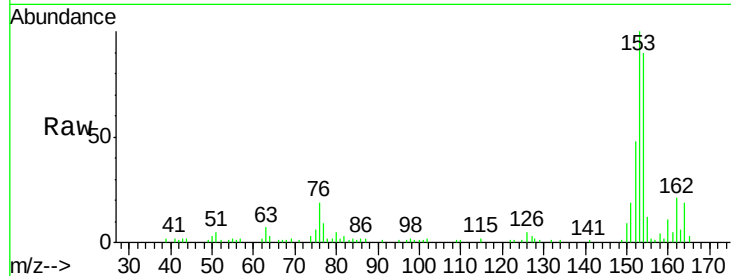
Acq: 1 Apr 2019 19:47

Instrument :

BNA_F

ClientSampleId :

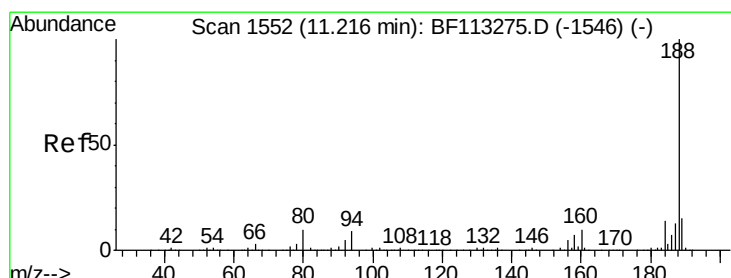
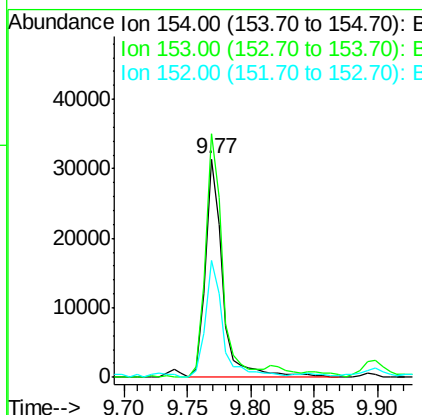
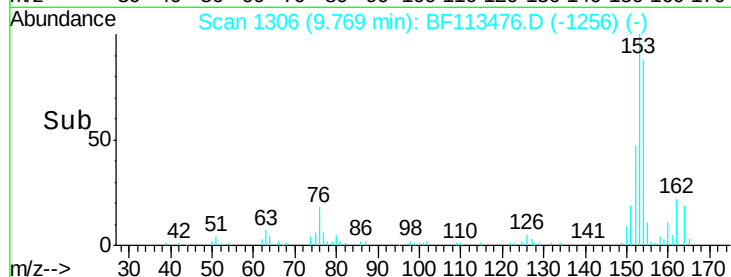
OK-03-032919



Tgt Ion:	154	Resp:	29854
Ion Ratio	Lower	Upper	
154	100		
153	111.5	89.5	134.3
152	53.5	43.3	64.9

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#64

Phenanthrene-d10

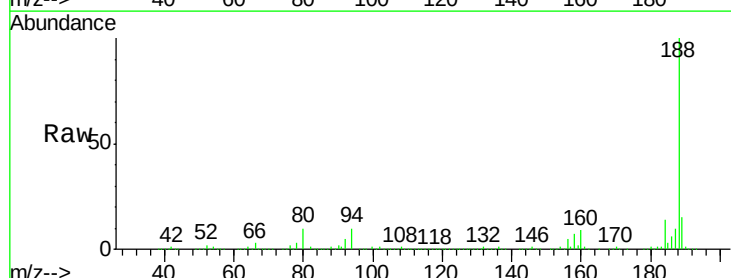
Concen: 20.000 ng

RT: 11.22 min Scan# 1552

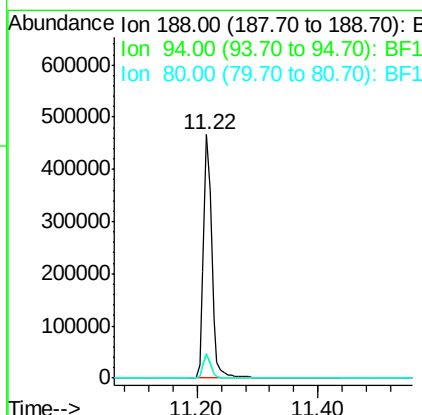
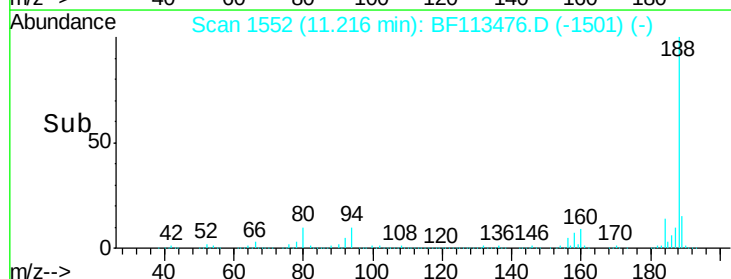
Delta R.T. -0.00 min

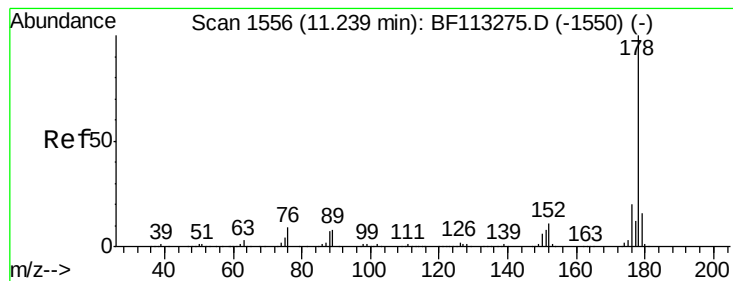
Lab File: BF113476.D

Acq: 1 Apr 2019 19:47



Tgt Ion:	188	Resp:	447787
Ion Ratio	Lower	Upper	
188	100		
94	9.8	7.0	10.6
80	10.2	7.7	11.5





#71

Phenanthrene

Concen: 13.098 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

Instrument :

BNA_F

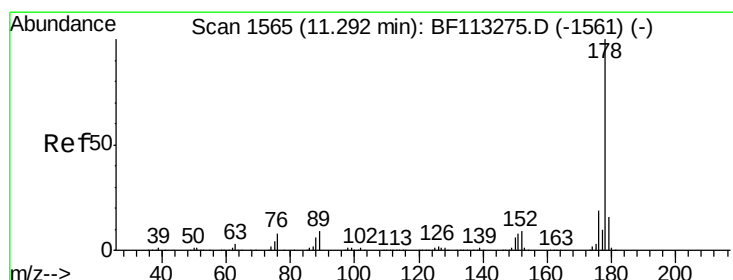
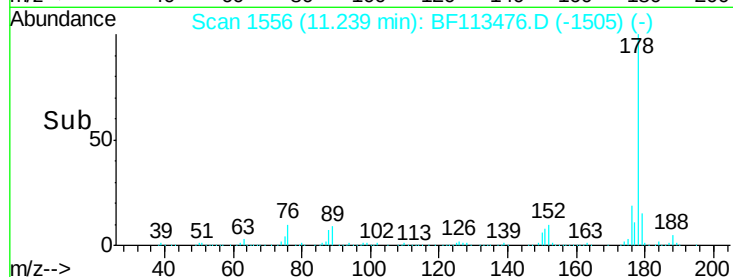
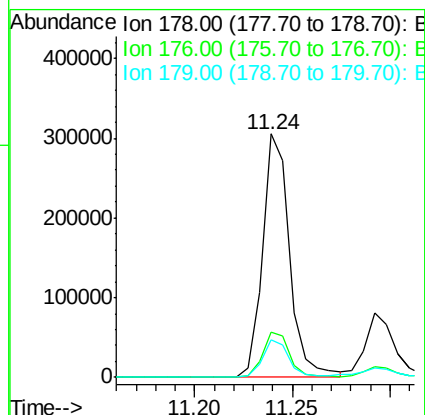
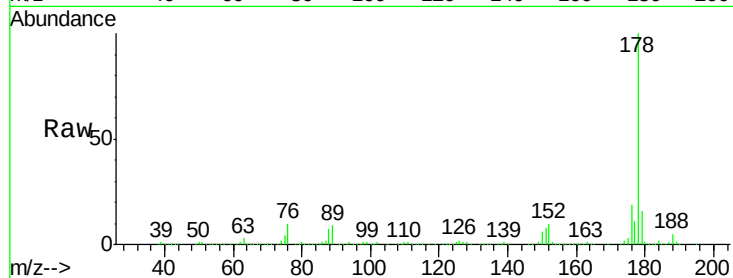
ClientSampleId :

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Tgt Ion:	178	Resp:	291266
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.2	24.2
179	15.5	12.7	19.1

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#72

Anthracene

Concen: 3.879 ng

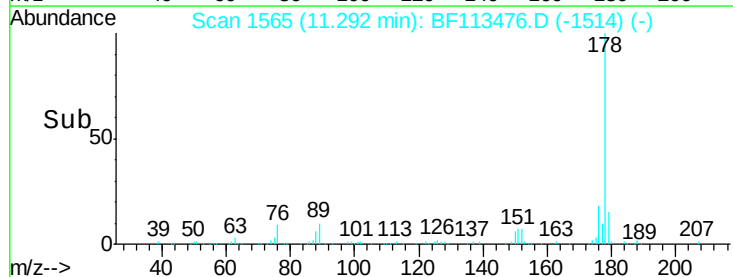
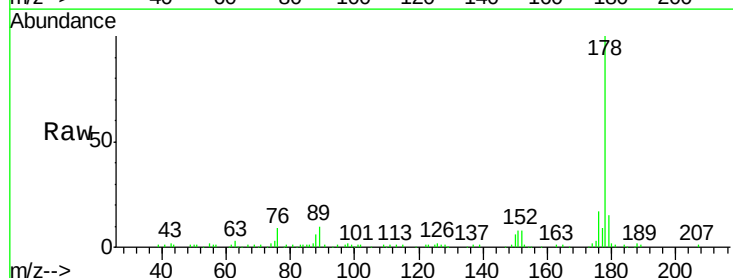
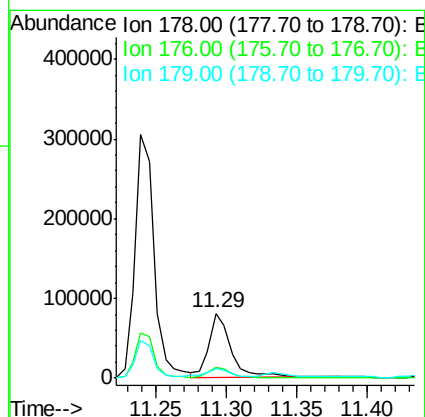
RT: 11.29 min Scan# 1565

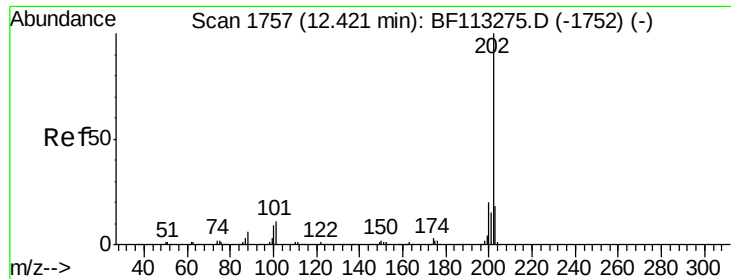
Delta R.T. -0.00 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

Tgt Ion:	178	Resp:	87618
Ion Ratio	Lower	Upper	
178	100		
176	17.5	15.4	23.2
179	15.5	12.8	19.2





#75

Fluoranthene

Concen: 20.723 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

Instrument :

BNA_F

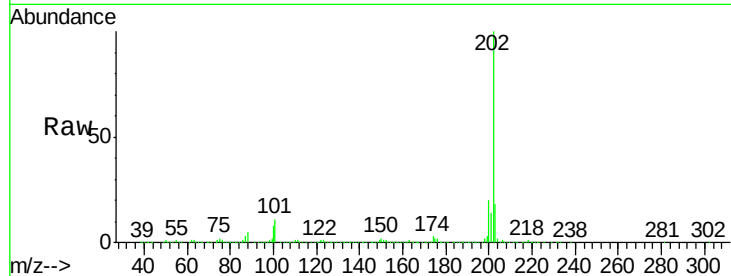
ClientSampleId :

OK-03-032919

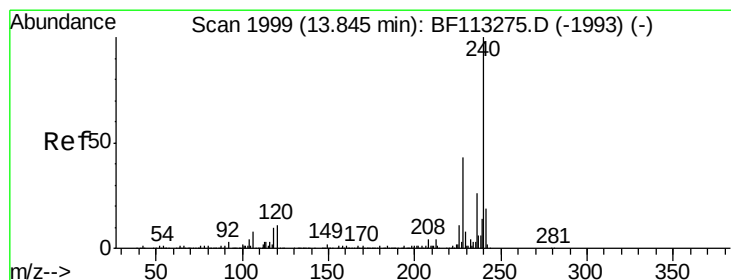
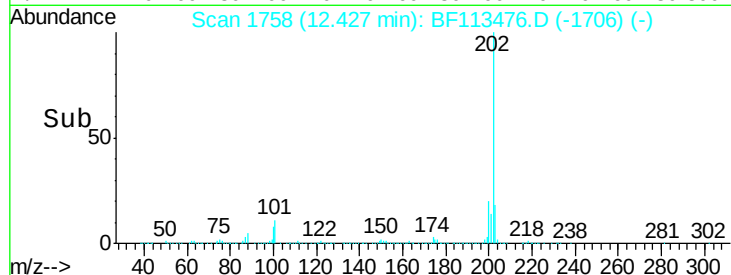
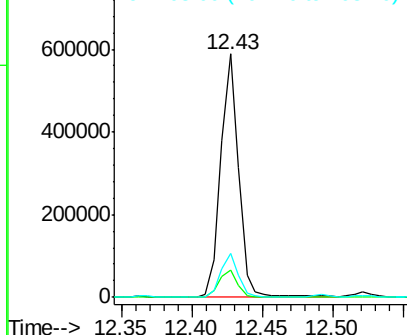
Tgt Ion:	202	Resp:	520962
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	31.4
203	18.0	0.0	38.0

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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

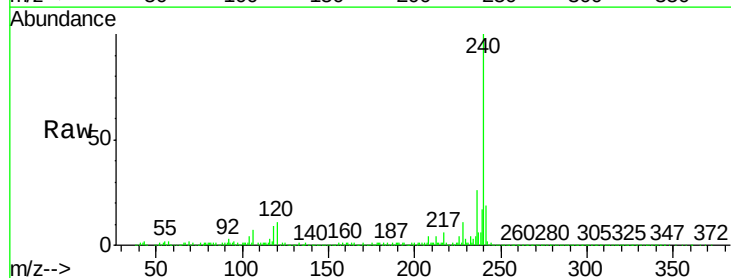
RT: 13.85 min Scan# 2000

Delta R.T. 0.01 min

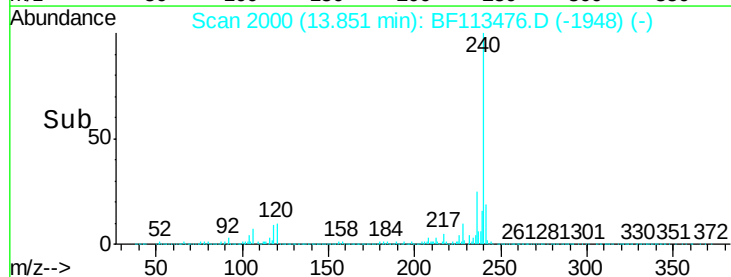
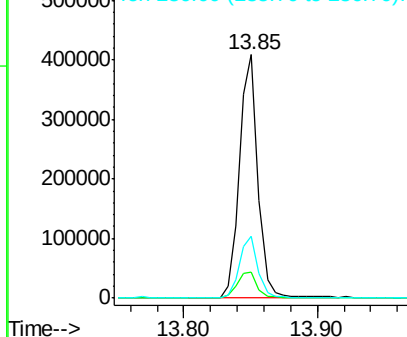
Lab File: BF113476.D

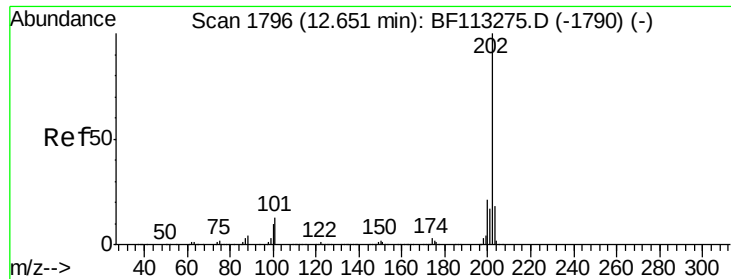
Acq: 1 Apr 2019 19:47

Tgt Ion:	240	Resp:	392411
Ion Ratio	Lower	Upper	
240	100		
120	10.6	8.8	13.2
236	25.6	20.9	31.3



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





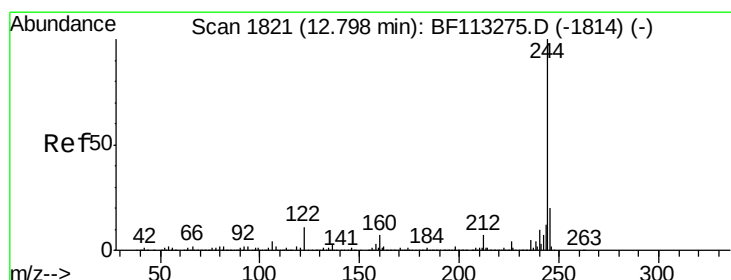
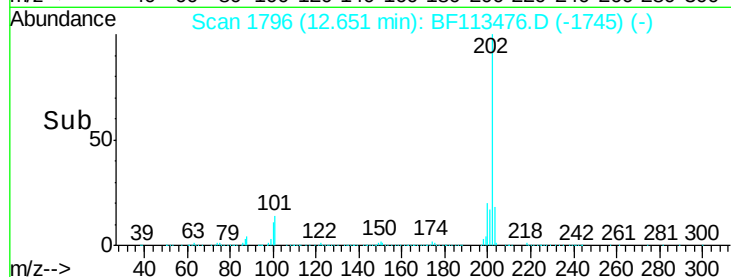
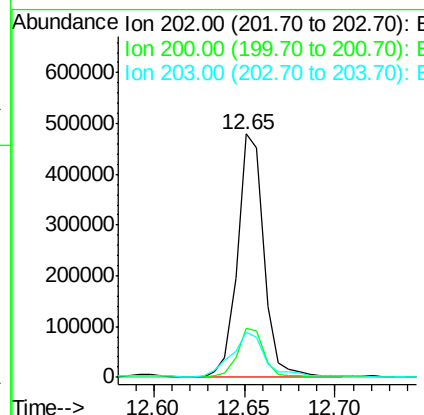
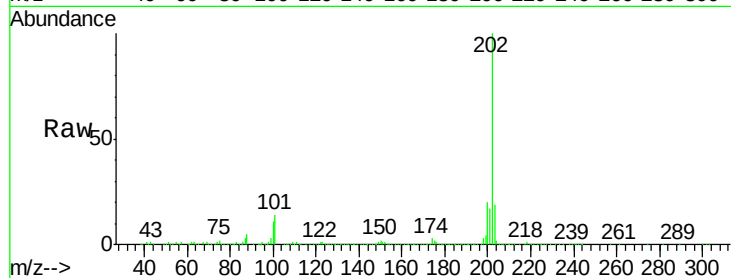
#78
 Pyrene
 Concen: 17.804 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-032919

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	484141		
200	20.1	16.8	25.2	
203	18.8	14.4	21.6	

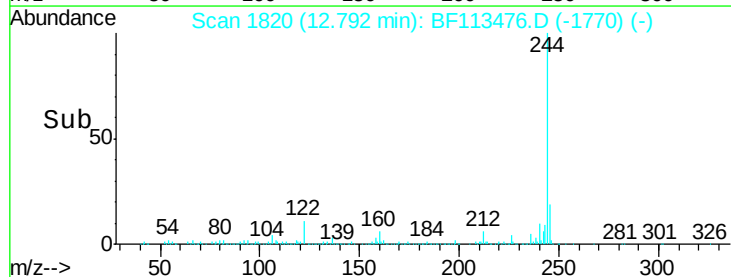
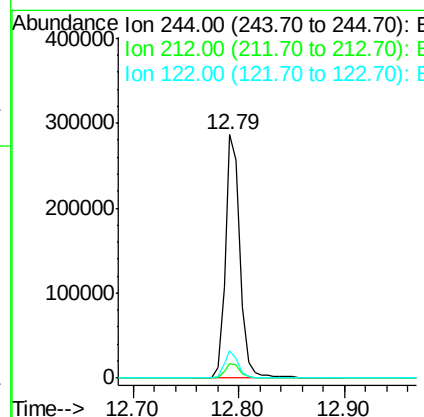
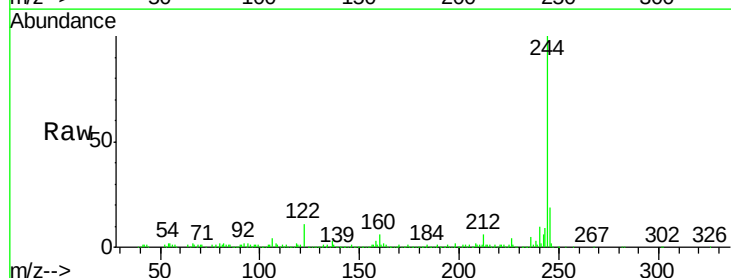
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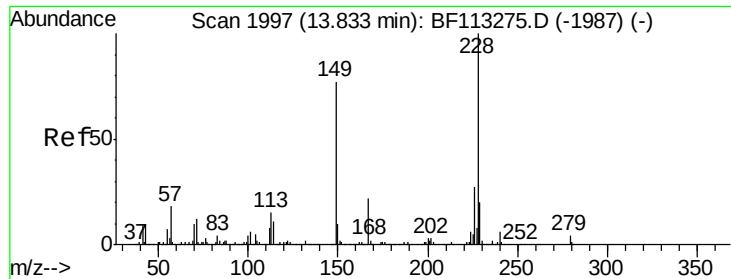
Sohil
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#79
 Terphenyl-d14
 Concen: 15.722 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	279903		
212	6.1	5.5	8.3	
122	11.4	8.6	13.0	





#81

Benzo(a)anthracene

Concen: 10.634 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

Instrument :

BNA_F

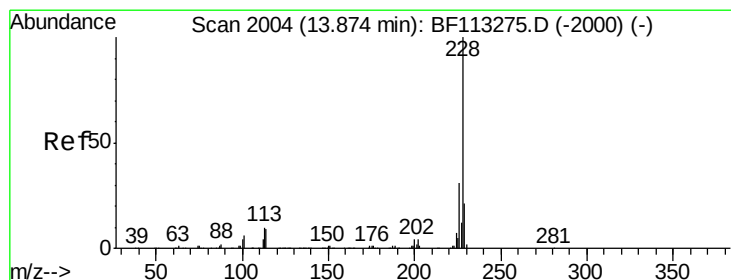
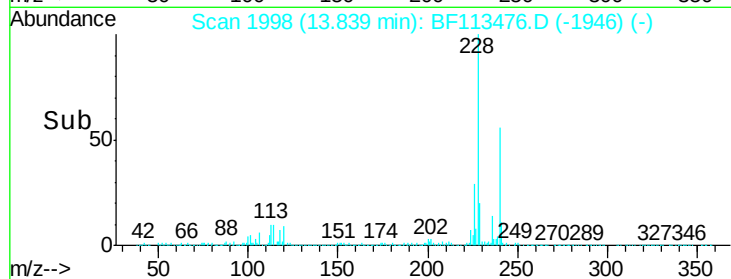
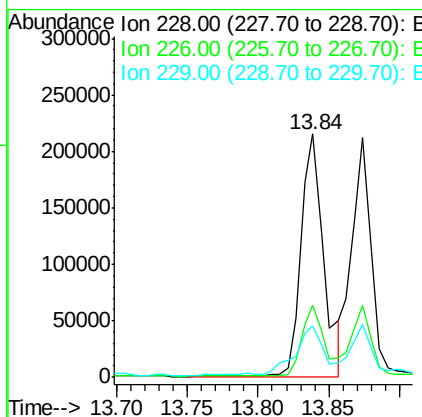
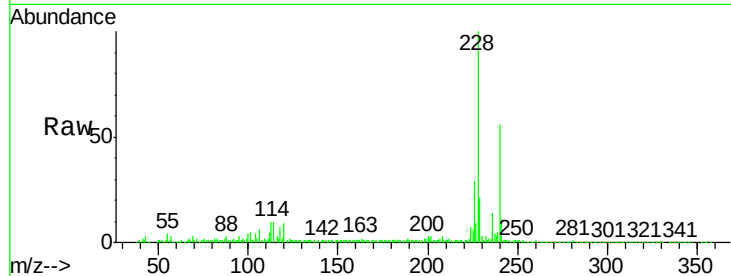
ClientSampleId :

OK-03-032919

Tgt Ion:	228	Resp:	238871
Ion Ratio	Lower	Upper	
228	100		
226	29.5	21.8	32.8
229	21.0	16.2	24.4

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#83

Chrysene

Concen: 8.888 ng

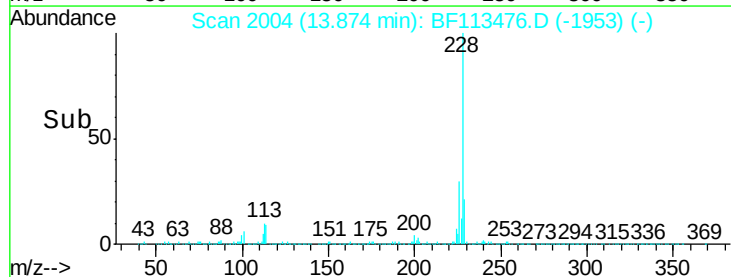
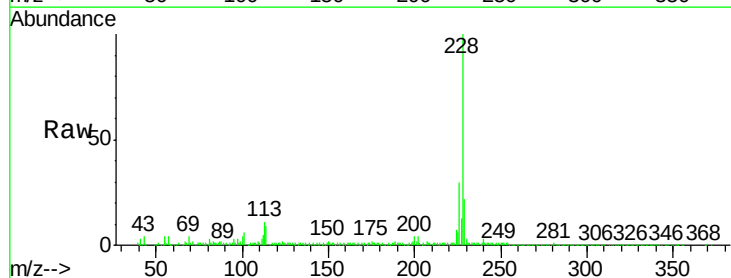
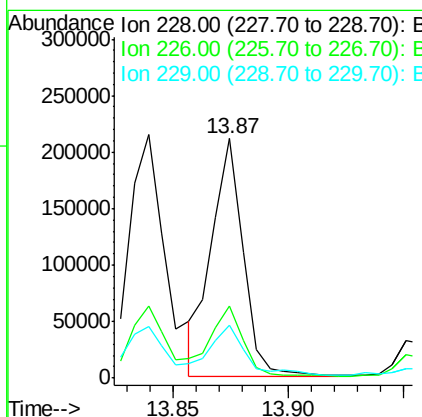
RT: 13.87 min Scan# 2004

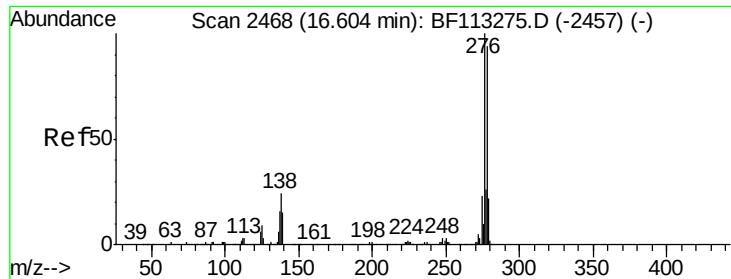
Delta R.T. -0.00 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

Tgt Ion:	228	Resp:	202788
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.3	36.5
229	22.1	16.3	24.5





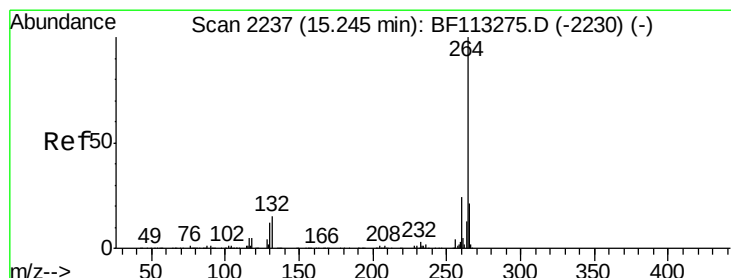
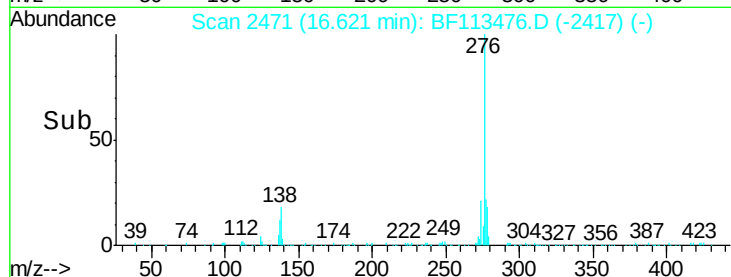
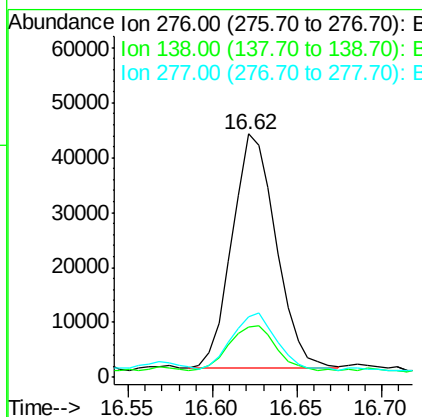
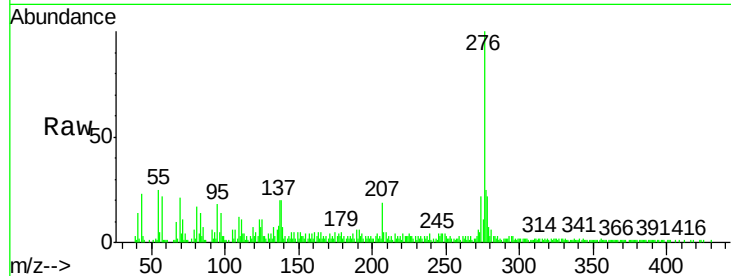
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.960 ng
 RT: 16.62 min Scan# 2471
 Delta R.T. 0.02 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-032919

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	18.1	27.1
277	24.6	20.2	30.4

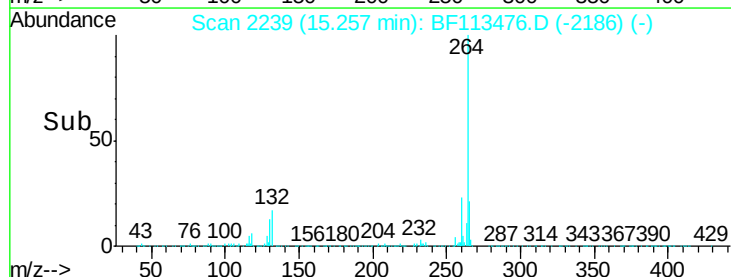
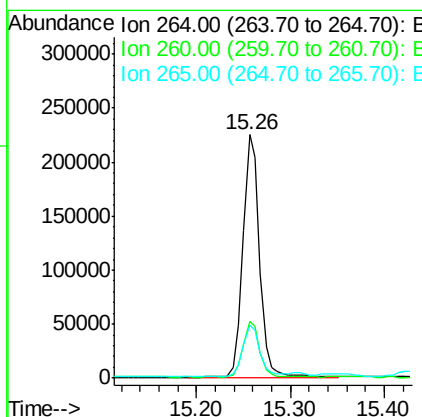
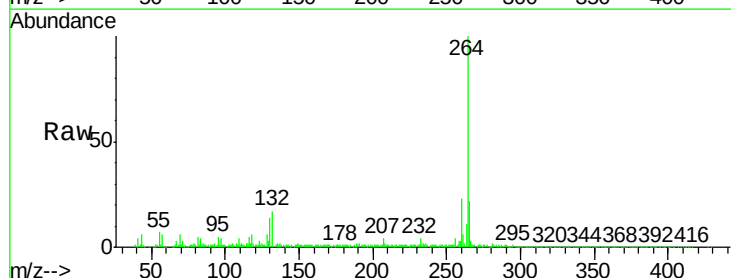
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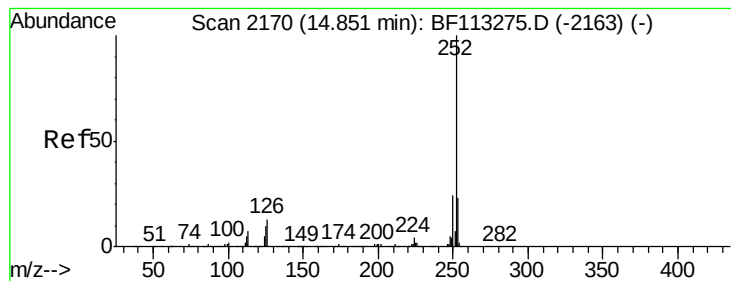
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.1	28.7
265	21.8	17.1	25.7





#88

Benzo(b)fluoranthene

Concen: 11.674 ng m

RT: 14.86 min Scan# 2172

Delta R.T. 0.01 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

Instrument :

BNA_F

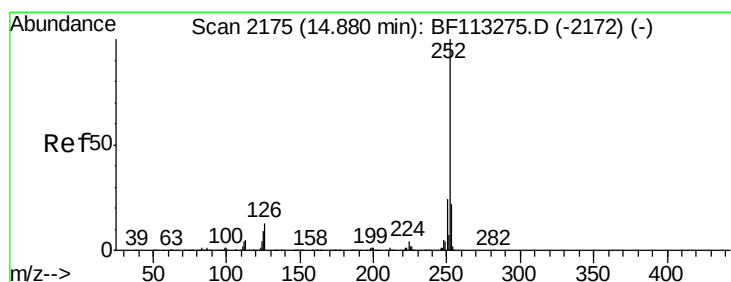
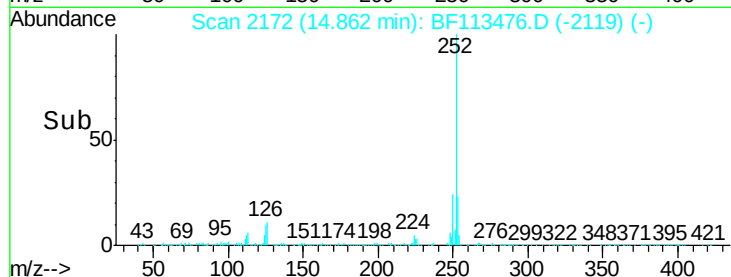
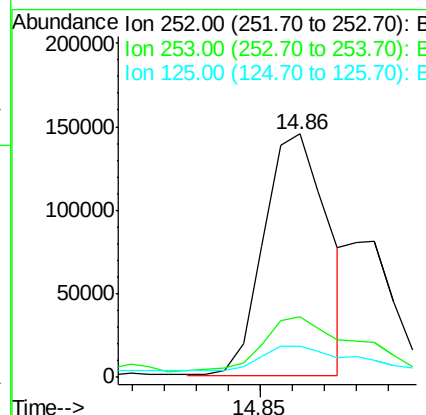
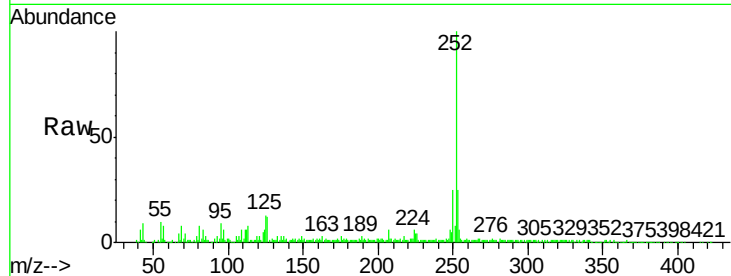
ClientSampleId :

OK-03-032919

Tgt Ion:	252	Resp:	199937
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.0	27.0
125	12.7	7.6	11.4#

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 5.427 ng m

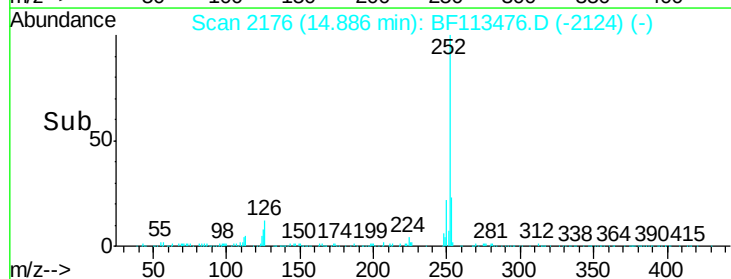
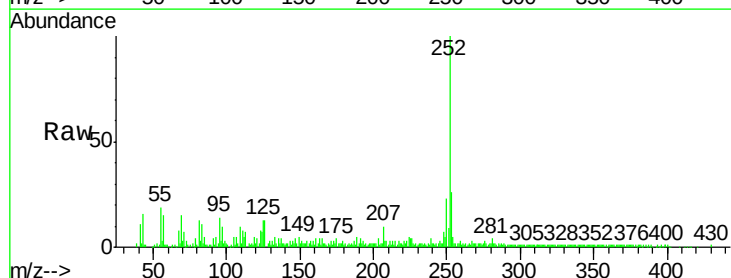
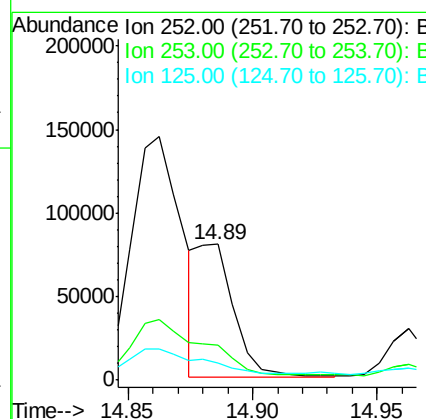
RT: 14.89 min Scan# 2176

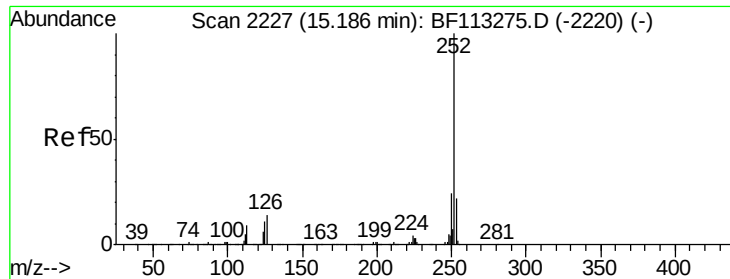
Delta R.T. 0.01 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

Tgt Ion:	252	Resp:	81631
Ion Ratio	Lower	Upper	
252	100		
253	26.1	17.7	26.5
125	12.7	7.3	10.9#





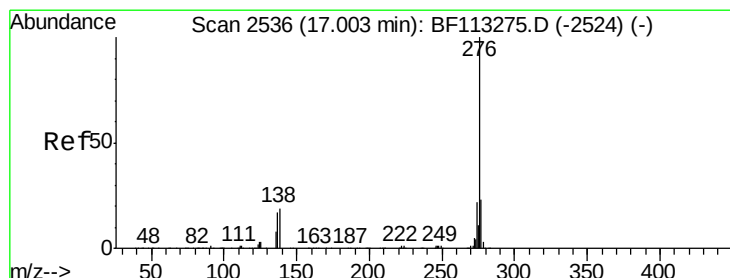
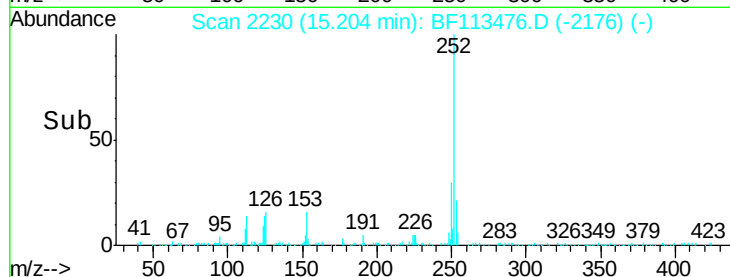
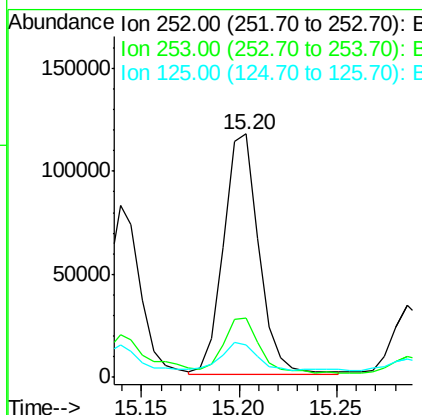
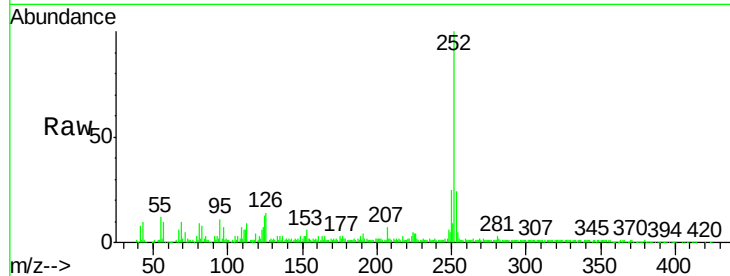
#90
Benzo(a)pyrene
Concen: 9.678 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.02 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Instrument :
BNA_F
ClientSampleId :
OK-03-032919

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	13.2	8.8	13.2

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#92
Benzo(g,h,i)perylene
Concen: 6.292 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.03 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.8	28.2
138	22.3	15.6	23.4

