

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
 Data File : BF118992.D
 Acq On : 21 Feb 2020 14:54
 Operator : CG/JU
 Sample : L1551-01RE 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-007-ARE

Manual Integrations
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Quant Time: Feb 21 15:56:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	190605	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	715414	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	356102	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	555435	20.00	ng	0.00
76) Chrysene-d12	13.90	240	406448	20.00	ng	0.00
87) Perylene-d12	15.33	264	423386	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	164945	14.46	ng	0.00
7) Phenol-d6	6.39	99	629374	45.37	ng	-0.01
23) Nitrobenzene-d5	7.31	82	440321	32.50	ng	-0.02
42) 2,4,6-Tribromophenol	10.57	330	13443	2.89	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	894456	37.00	ng	-0.01
79) Terphenyl-d14	12.85	244	752732	31.88	ng	0.00
Target Compounds						
71) Phenanthrene	11.29	178	265489	8.765	ng	98
72) Anthracene	11.34	178	69961	2.312	ng	98
75) Fluoranthene	12.48	202	386877	12.032	ng	98
78) Pyrene	12.70	202	343216	10.516	ng	99
80) Butylbenzylphthalate	13.32	149	50894	3.705	ng	97
81) Benzo(a)anthracene	13.89	228	171670	6.199	ng	98
83) Chrysene	13.93	228	152089	5.512	ng	97
86) Indeno(1,2,3-cd)pyrene	16.73	276	70598	2.642	ng	96
88) Benzo(b)fluoranthene	14.93	252	192129m	6.885	ng	
89) Benzo(k)fluoranthene	14.95	252	72274m	2.795	ng	
90) Benzo(a)pyrene	15.27	252	132883	5.276	ng	# 94
92) Benzo(a,h,i)perylene	17.16	276	68704	3.138	ng	98

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

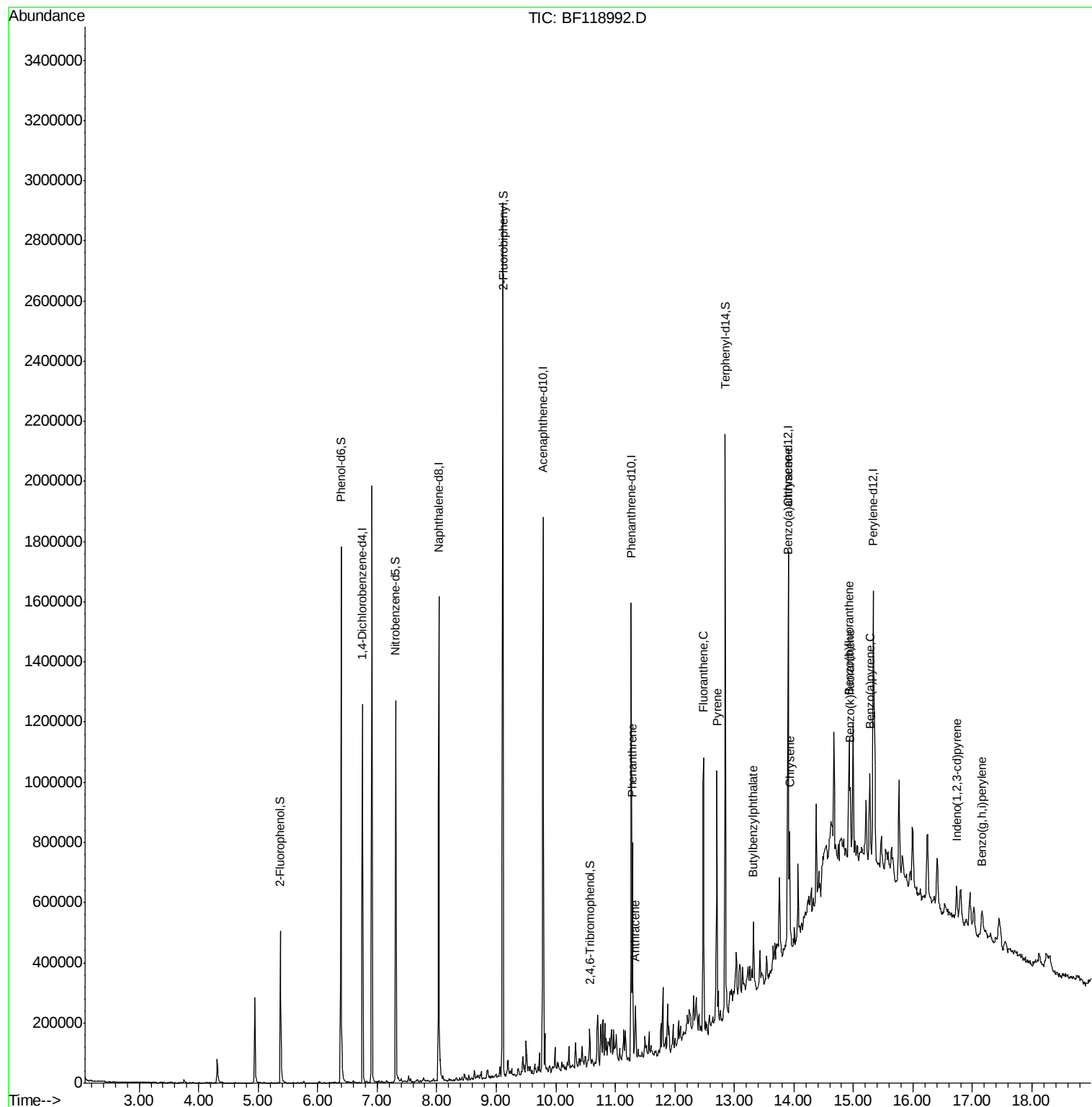
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF118992.D
Acq On : 21 Feb 2020 14:54
Operator : CG/JU
Sample : L1551-01RE 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

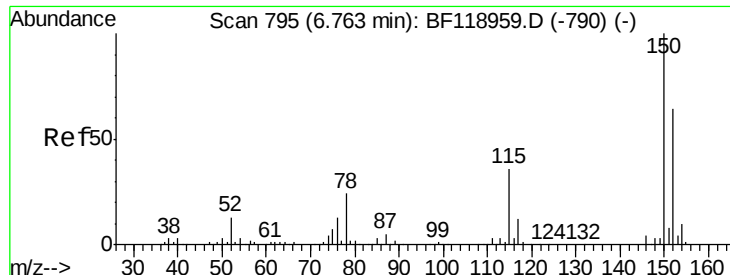
Instrument :
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FK-SF-01-007-ARE

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 20 17:40:17 2020
Response via : Initial Calibration





#1

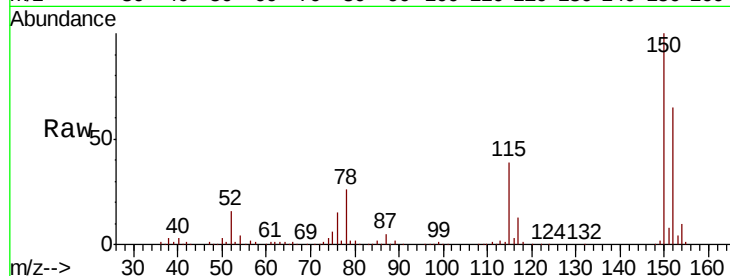
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-ARE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.3	186.5
115	60.2	44.6	67.0

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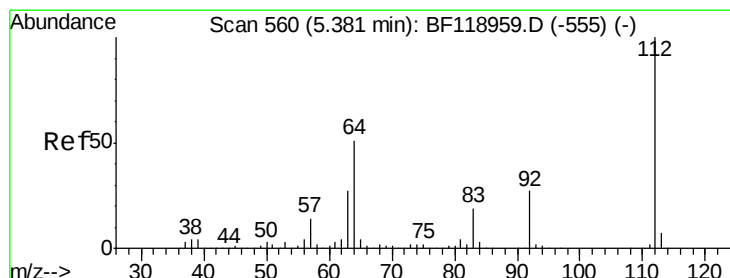
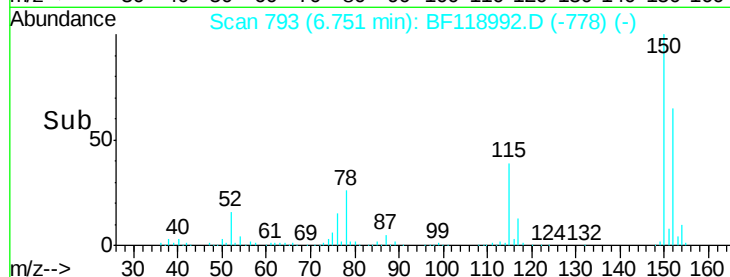
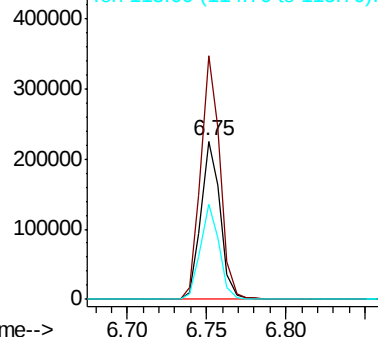


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

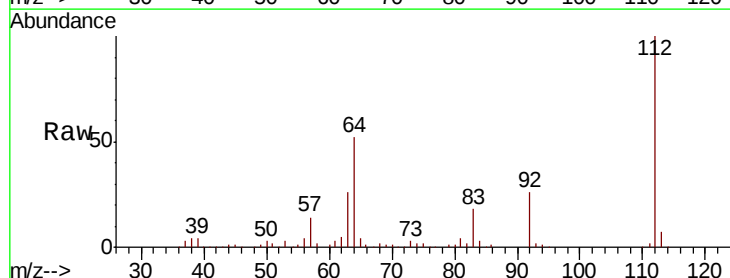
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.462 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	40.4	60.6
63	26.3	21.3	31.9

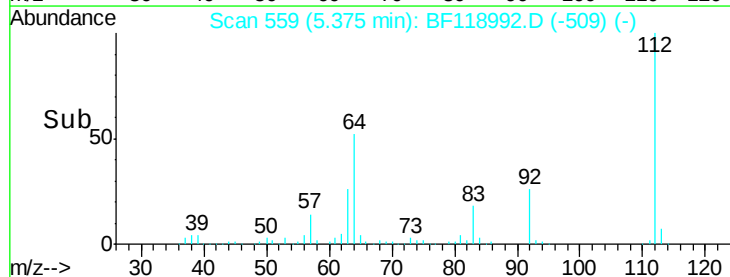
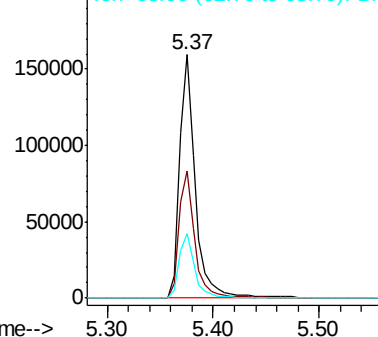


Abundance

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: 45.373 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF118992.D

Acq: 21 Feb 2020 14:54

Instrument :

BNA_F

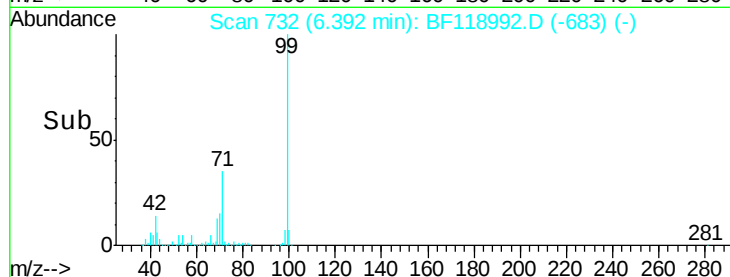
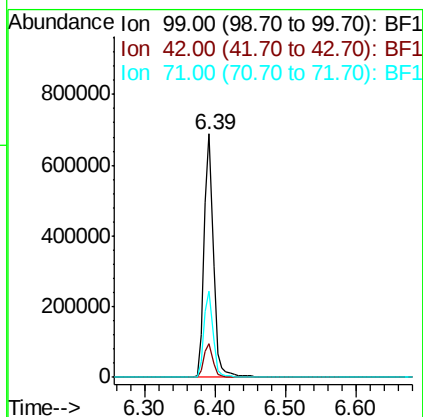
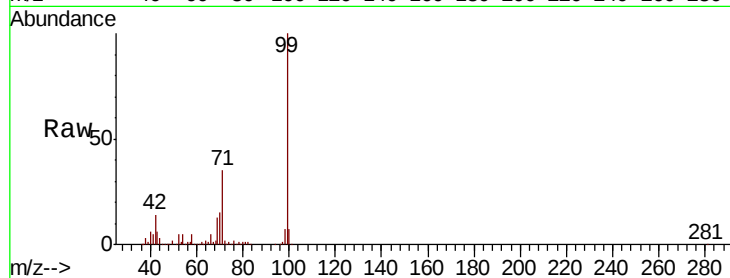
ClientSampleId :

FK-SF-01-007-ARE

Tot Ion:	99	Resp:	629374
Ion	Ratio	Lower	Upper
99	100		
42	13.6	11.4	17.0
71	35.4	29.8	44.6

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#21

Naphthalene-d8

Concen: 20.000 ng

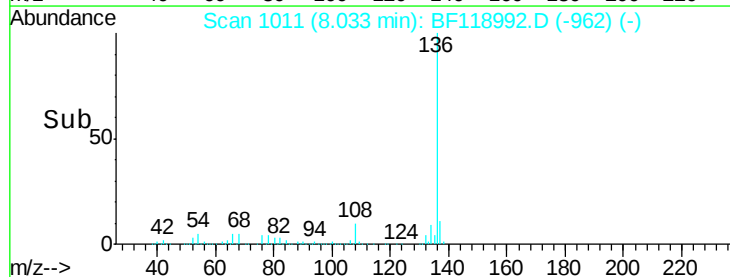
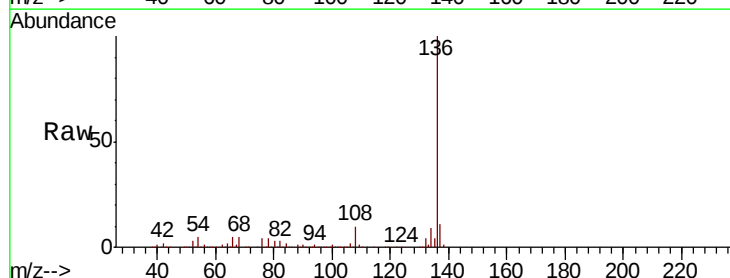
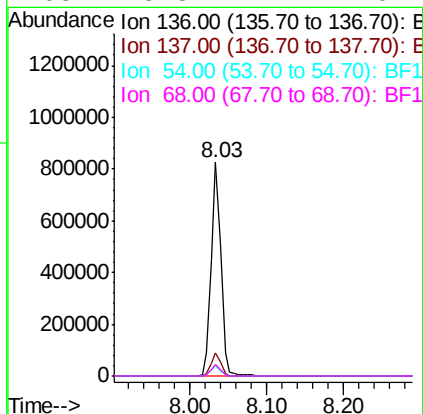
RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF118992.D

Acq: 21 Feb 2020 14:54

Tgt Ion:	136	Resp:	715414
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	5.0	3.8	5.6
68	5.3	4.2	6.2





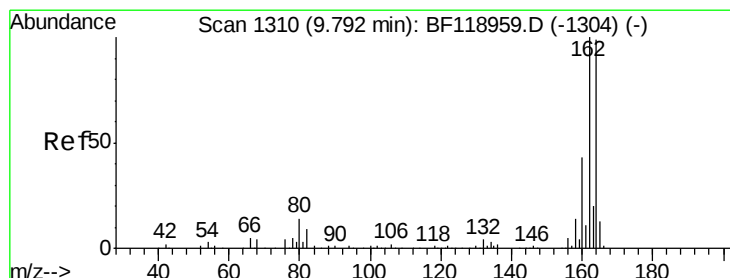
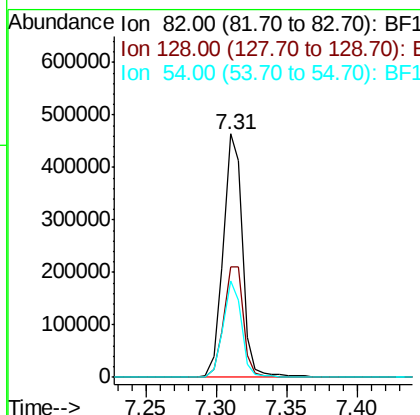
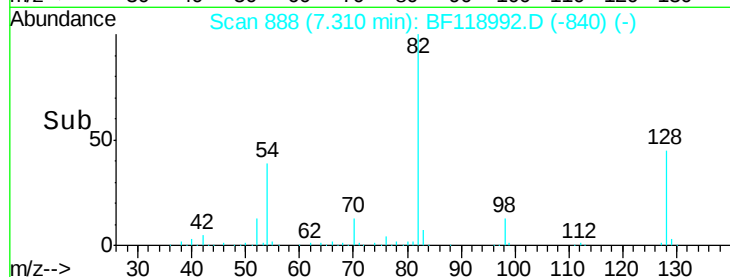
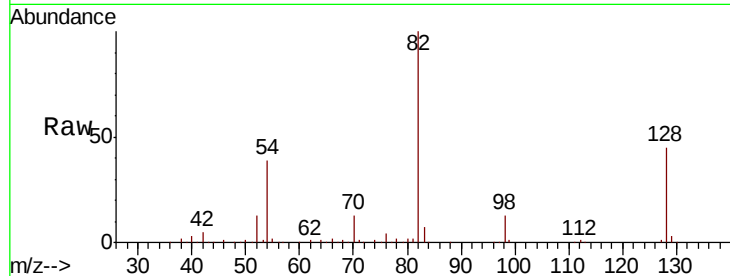
#23
Nitrobenzene-d5
Concen: 32.497 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-ARE

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	38.2	57.2
54	39.5	31.3	46.9

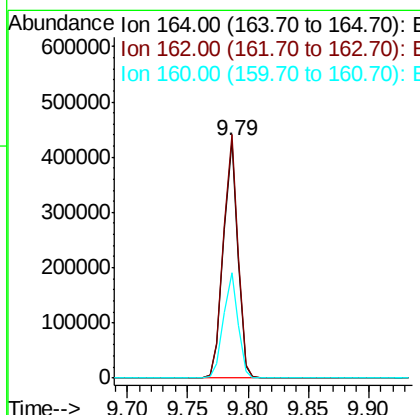
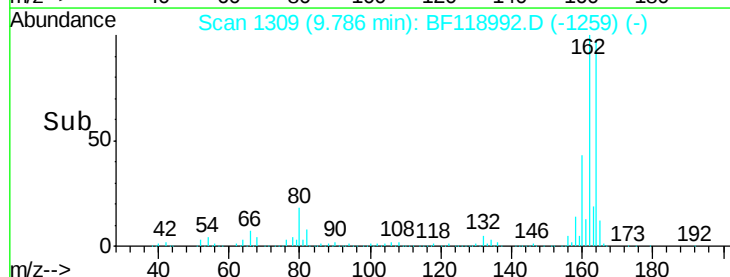
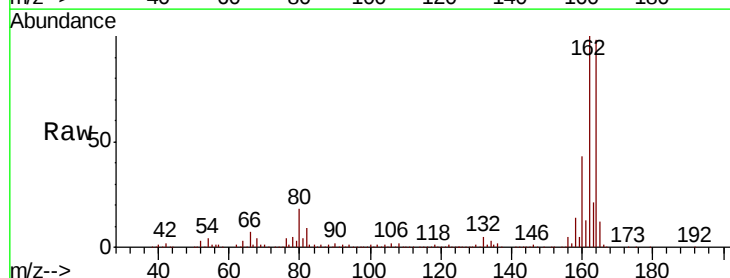
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.2	121.8
160	44.4	35.2	52.8





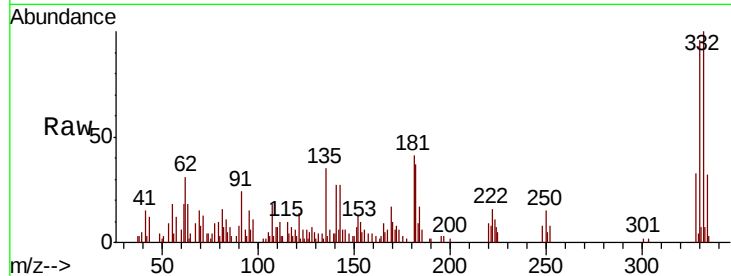
#42
 2,4,6-Tribromophenol
 Concen: 2.886 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF118992.D
 Acq: 21 Feb 2020 14:54

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-007-ARE

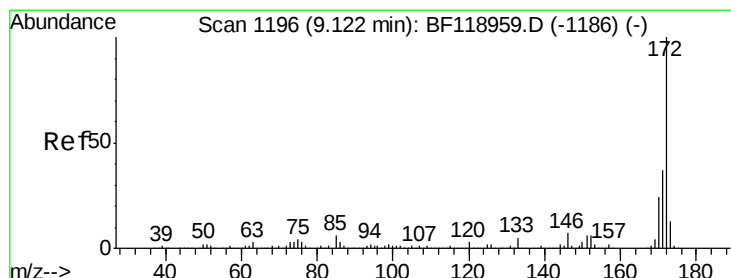
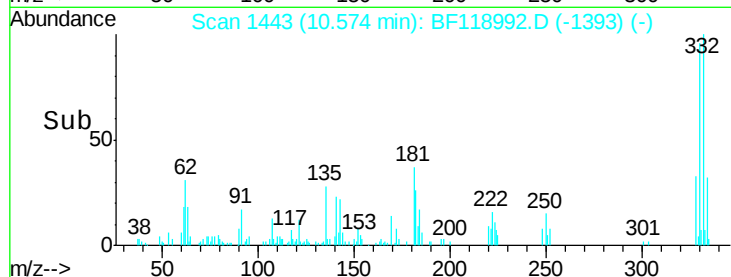
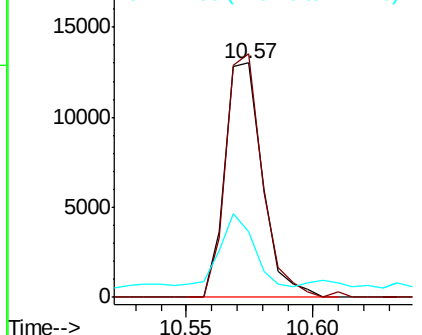
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	101.5	77.1	115.7	
141	27.1	23.0	34.6	

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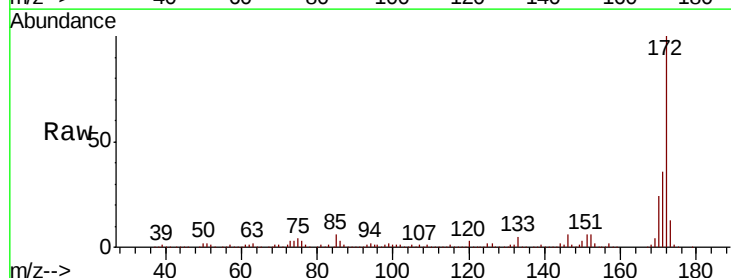


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

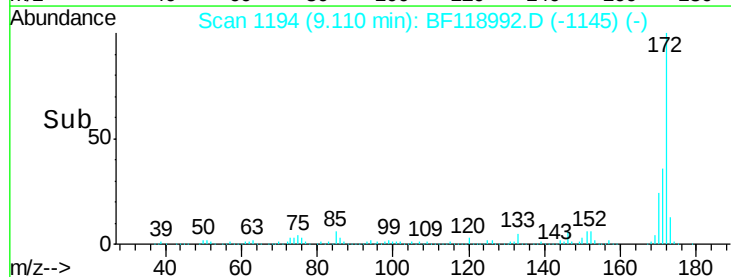
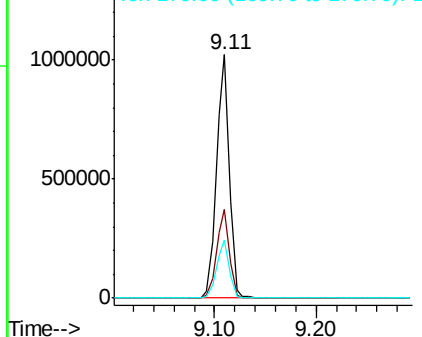


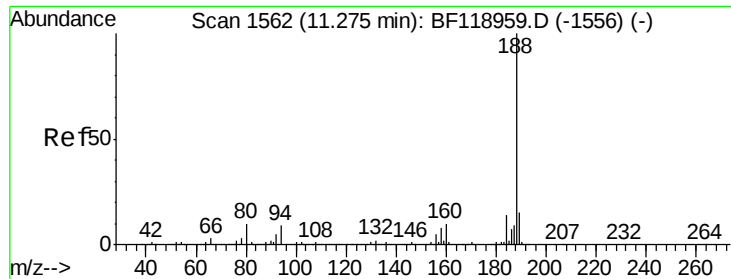
#45
 2-Fluorobiphenyl
 Concen: 37.003 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF118992.D
 Acq: 21 Feb 2020 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.4	44.2	
170	23.7	19.6	29.4	



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





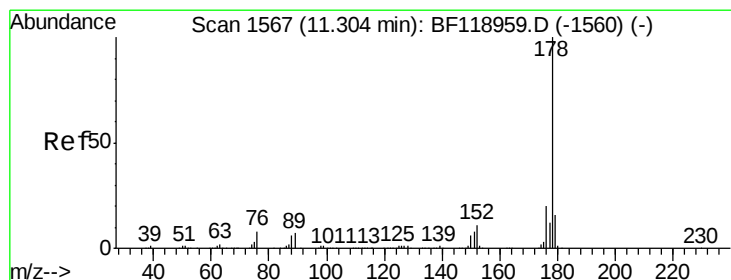
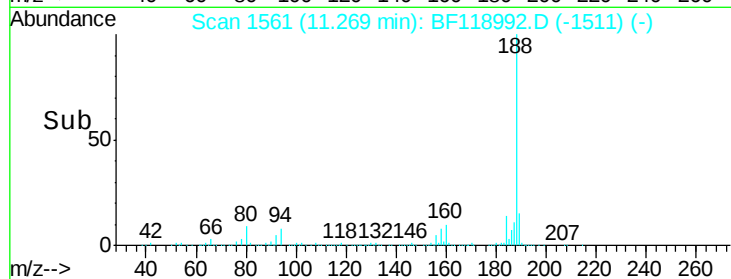
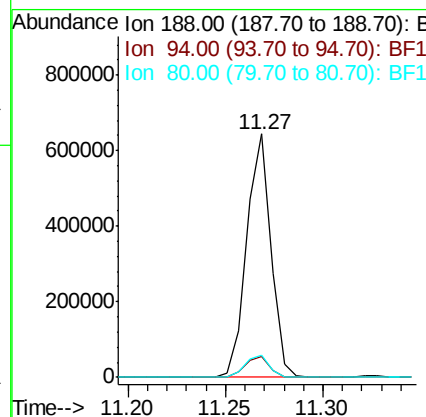
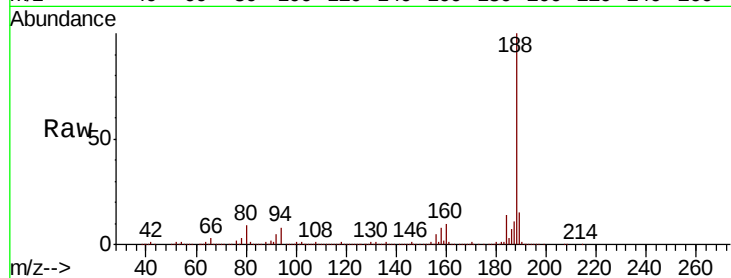
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-ARE

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.4	7.0	10.6
80	8.9	7.9	11.9

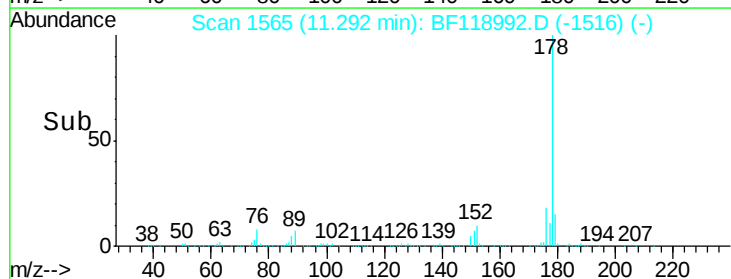
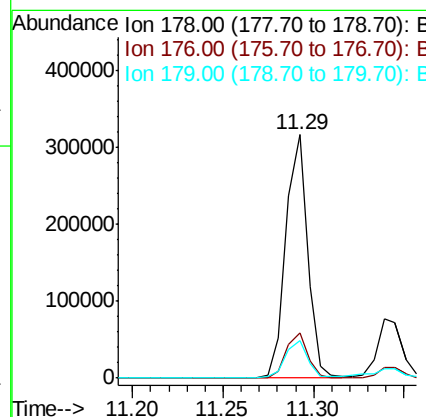
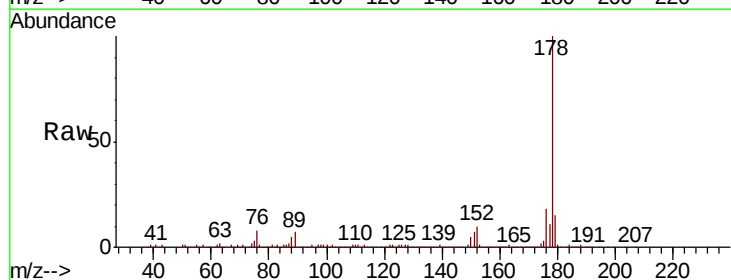
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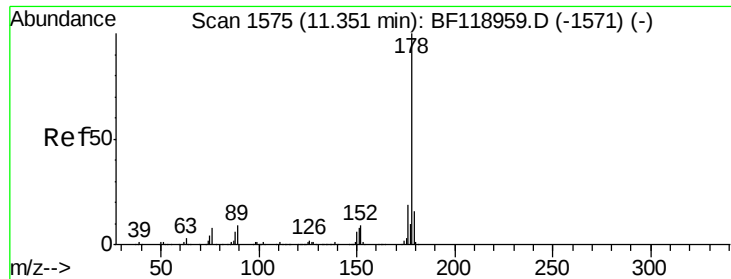
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#71
Phenanthrene
Concen: 8.765 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.4	15.6	23.4
179	15.2	12.6	18.8





#72

Anthracene

Concen: 2.312 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF118992.D

Acq: 21 Feb 2020 14:54

Instrument :

BNA_F

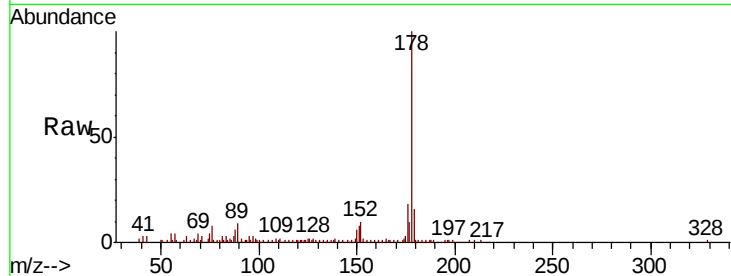
ClientSampleId :

FK-SF-01-007-ARE

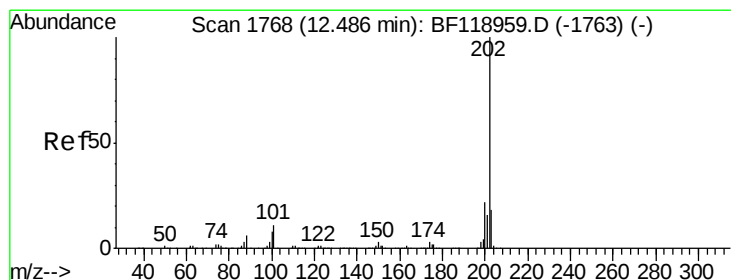
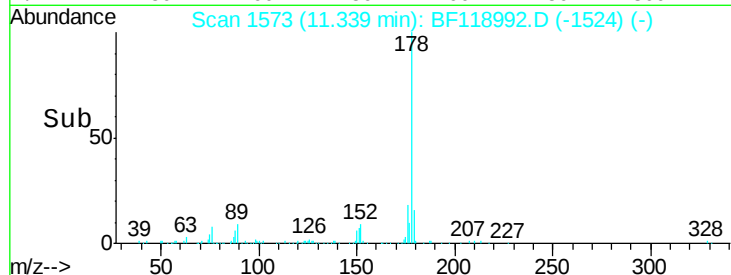
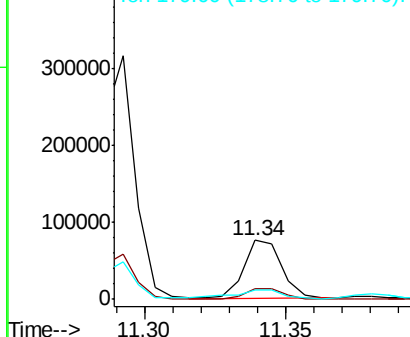
Tot Ion:	178	Resp:	69961
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.4	23.2
179	16.3	12.8	19.2

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 12.032 ng

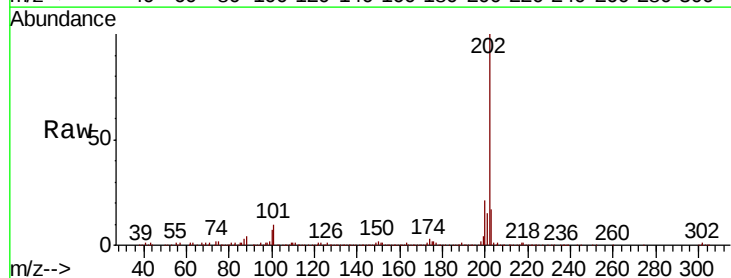
RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

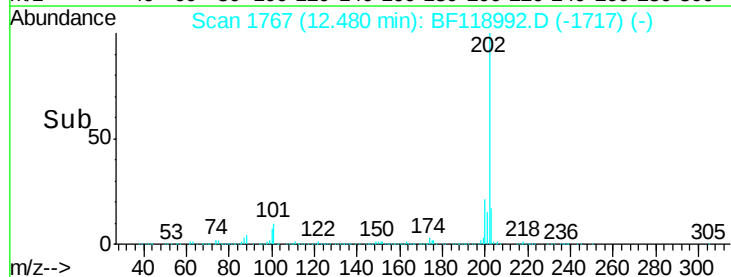
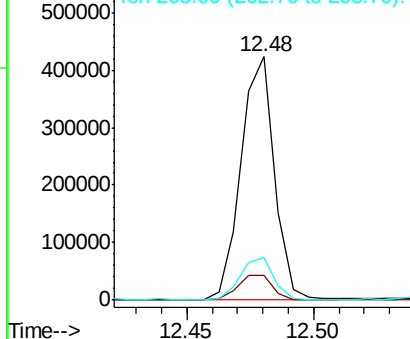
Lab File: BF118992.D

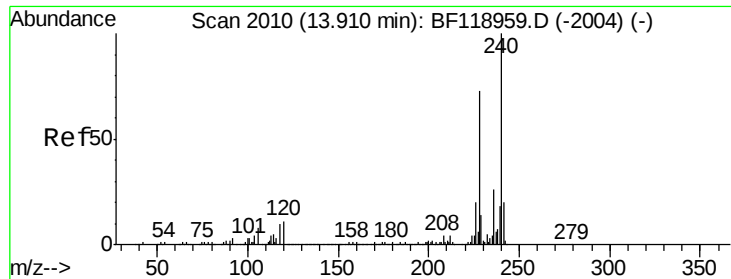
Acq: 21 Feb 2020 14:54

Tgt Ion:	202	Resp:	386877
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	31.1
203	17.5	0.0	38.1



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





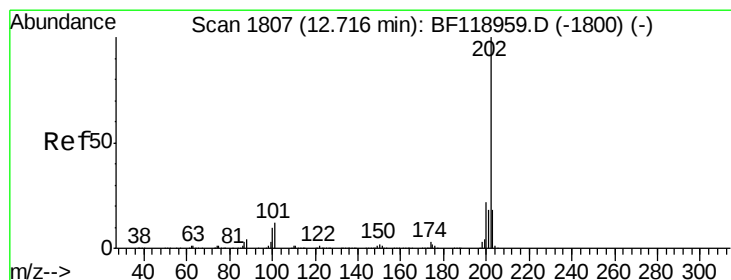
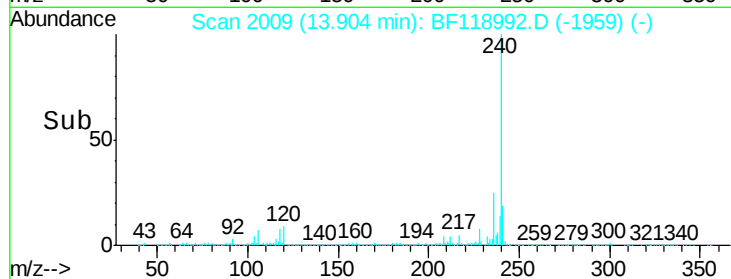
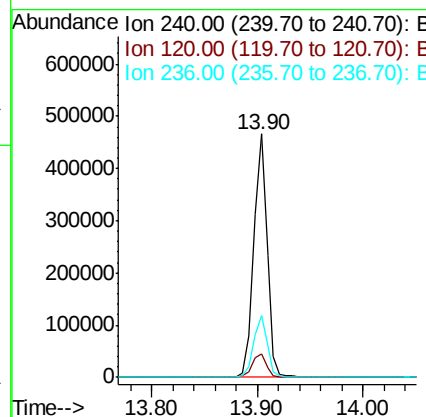
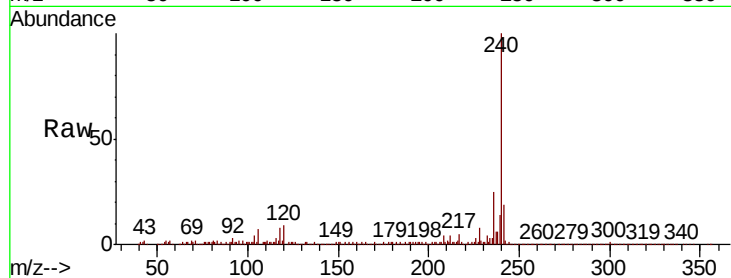
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-ARE

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.9	13.3
236	25.4	20.6	30.8

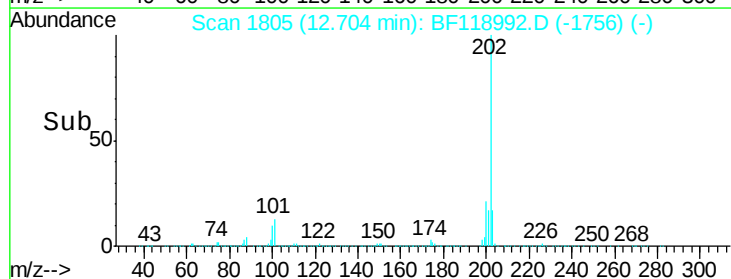
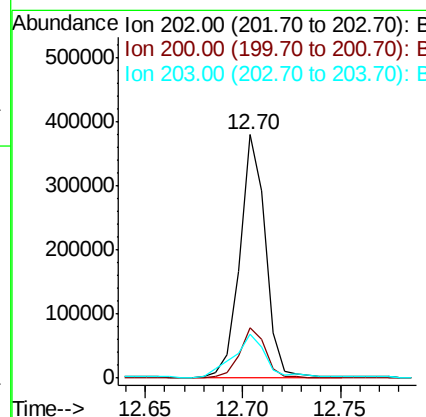
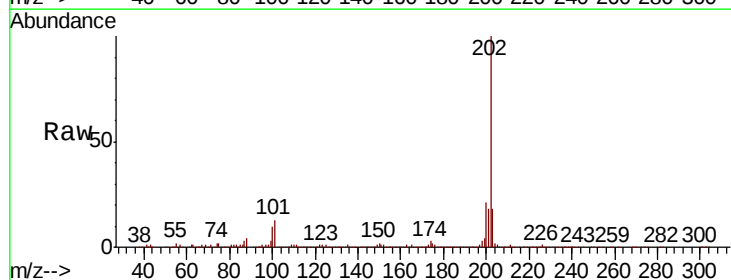
Manual Integrations
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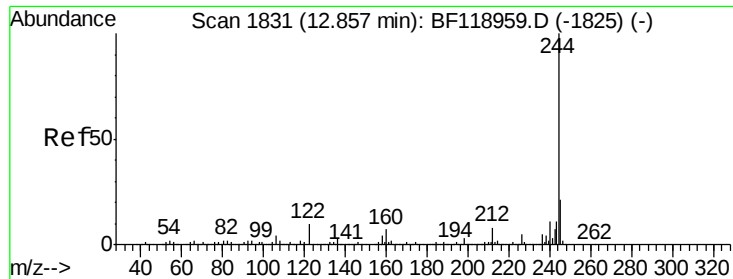
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#78
Pyrene
Concen: 10.516 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.0
203	17.9	14.5	21.7





#79

Terphenyl-d14

Concen: 31.885 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF118992.D

Acq: 21 Feb 2020 14:54

Instrument :

BNA_F

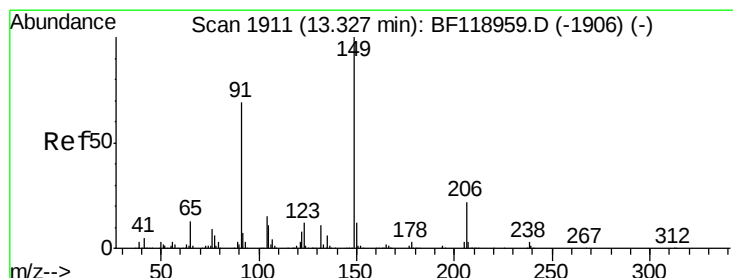
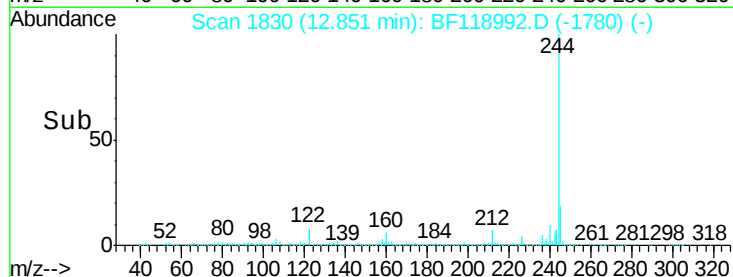
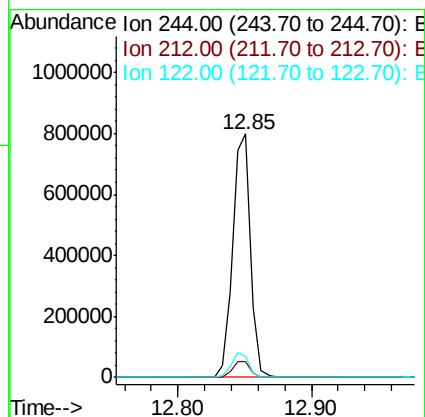
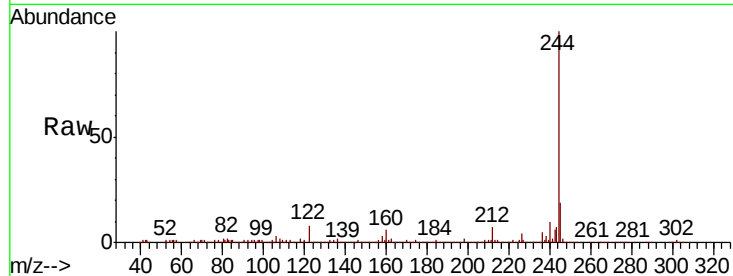
ClientSampleId :

FK-SF-01-007-ARE

Tot Ion:	244	Resp:	752732
Ion Ratio		Lower	Upper
244	100		
212	6.7	6.3	9.5
122	8.4	8.4	12.6#

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#80

Butylbenzylphthalate

Concen: 3.705 ng

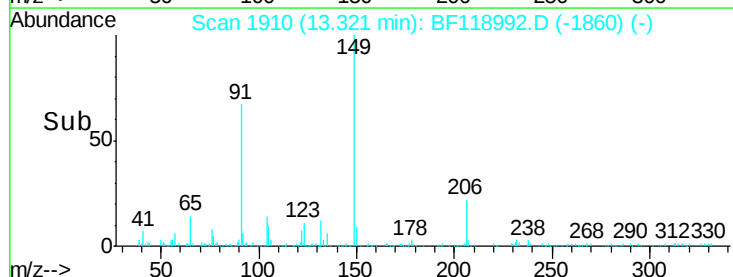
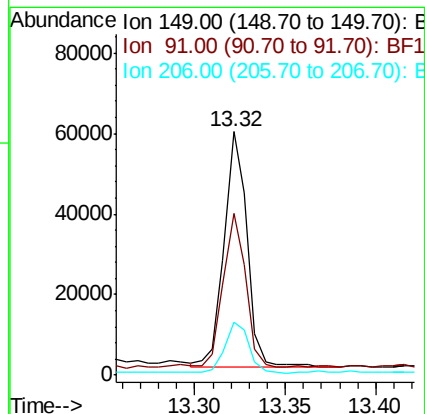
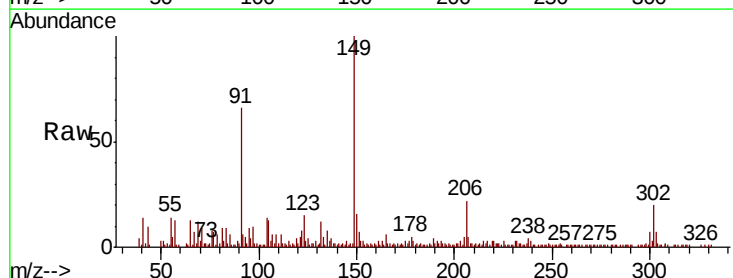
RT: 13.32 min Scan# 1910

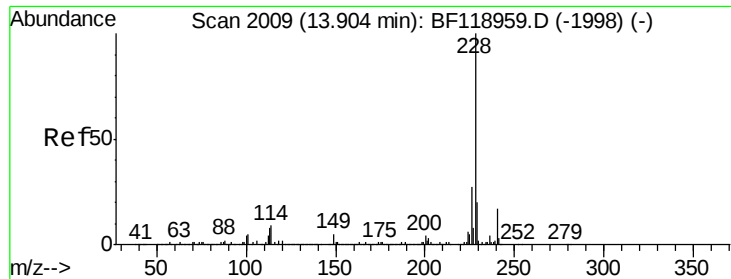
Delta R.T. -0.01 min

Lab File: BF118992.D

Acq: 21 Feb 2020 14:54

Tgt Ion:	149	Resp:	50894
Ion Ratio		Lower	Upper
149	100		
91	66.3	55.4	83.2
206	21.9	17.7	26.5





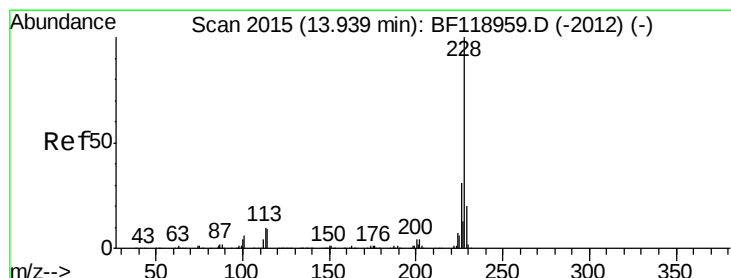
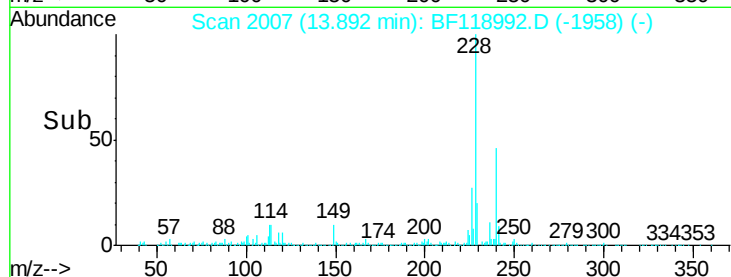
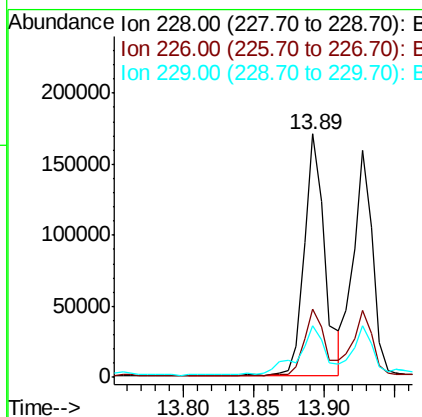
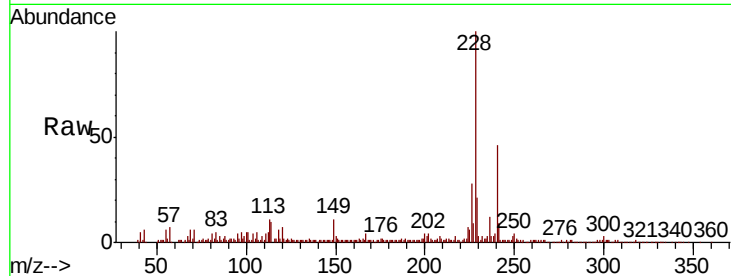
#81
Benzo(a)anthracene
Concen: 6.199 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-ARE

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.8
229	21.4	16.0	24.0

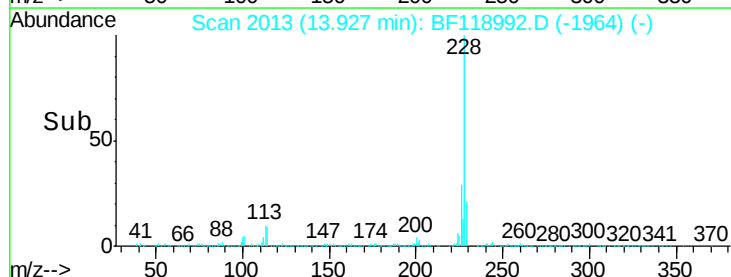
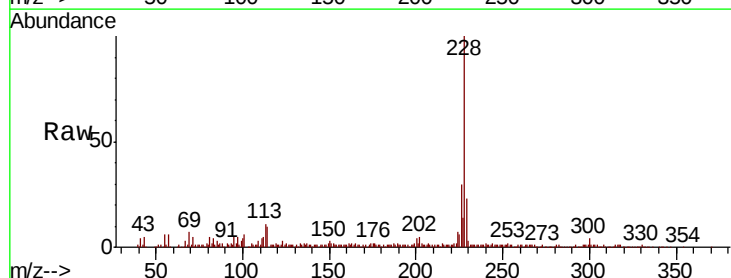
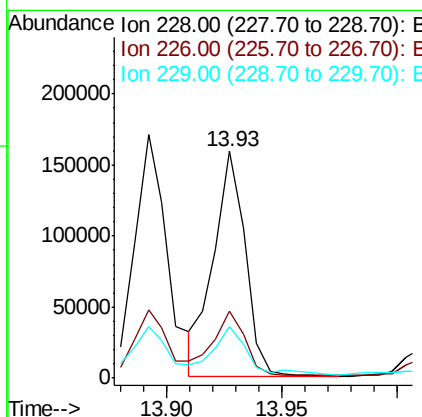
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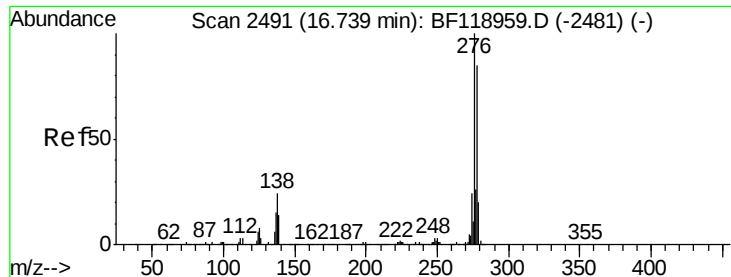
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#83
Chrysene
Concen: 5.512 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.6	37.0
229	22.6	16.2	24.2





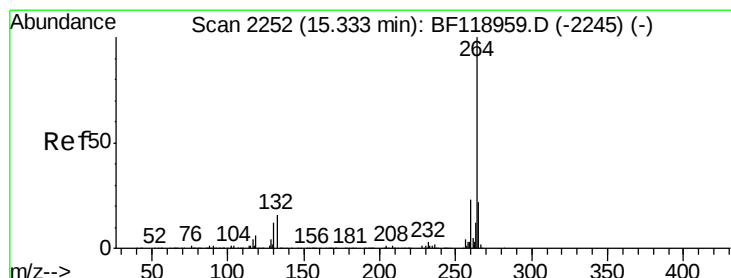
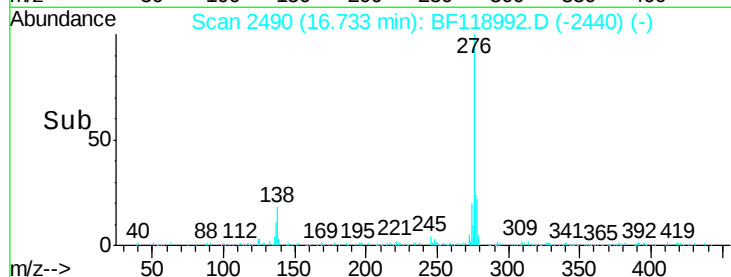
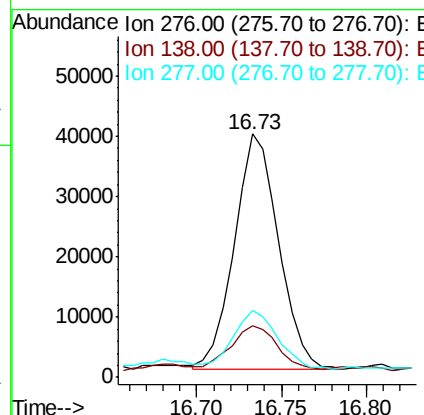
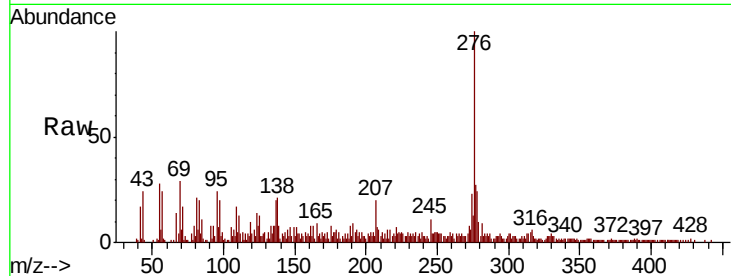
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.642 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-ARE

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	18.7	28.1
277	25.0	20.3	30.5

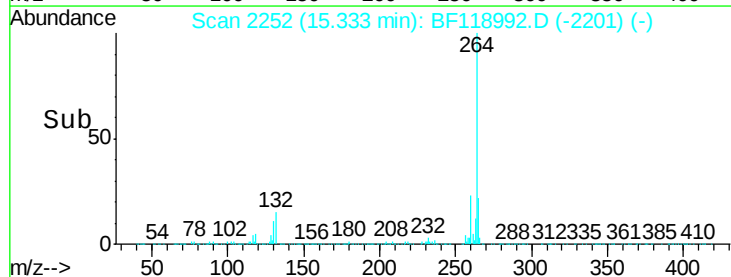
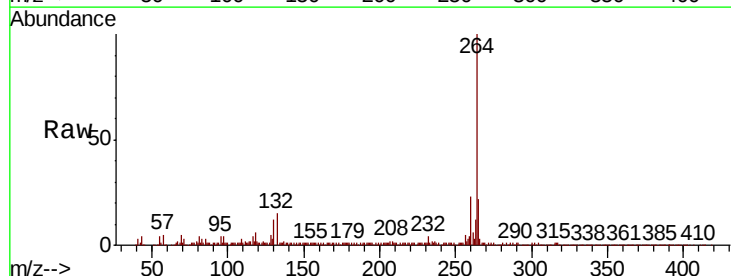
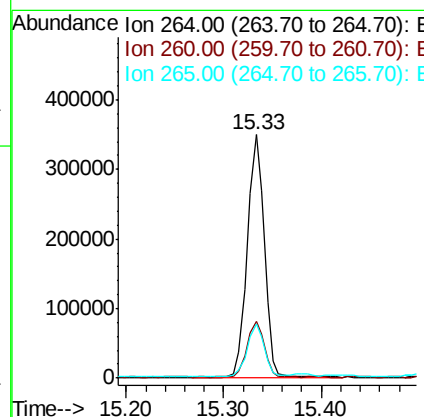
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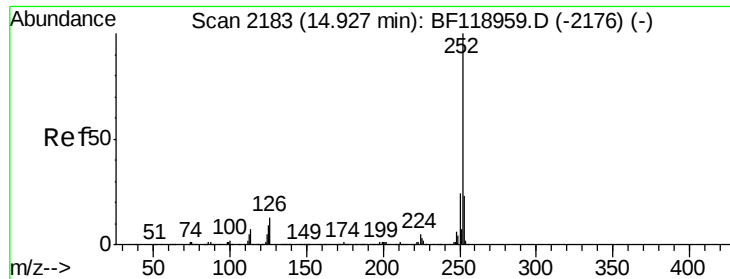
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.00 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	22.1	17.3	25.9





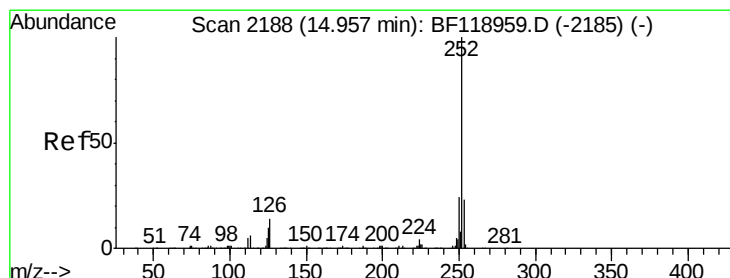
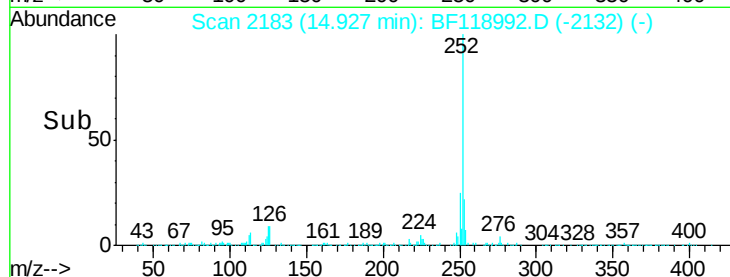
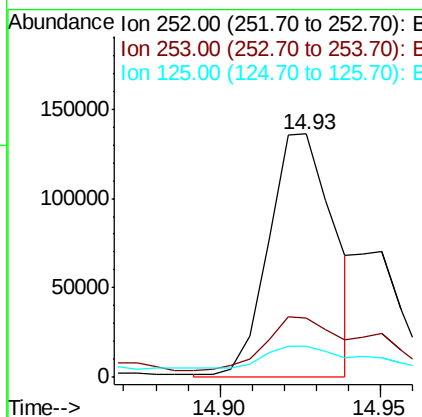
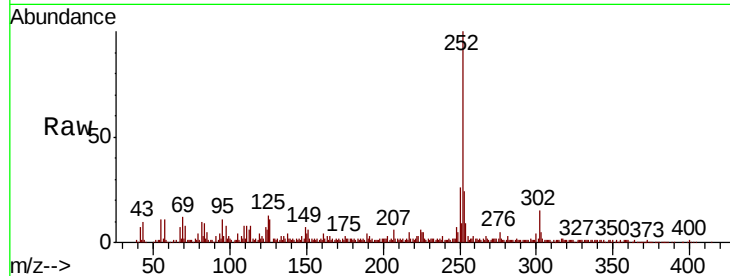
#88
Benzo(b)fluoranthene
Concen: 6.885 ng m
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-ARE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	12.9	7.4	11.0

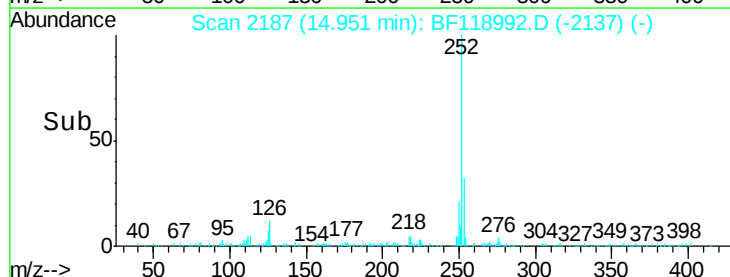
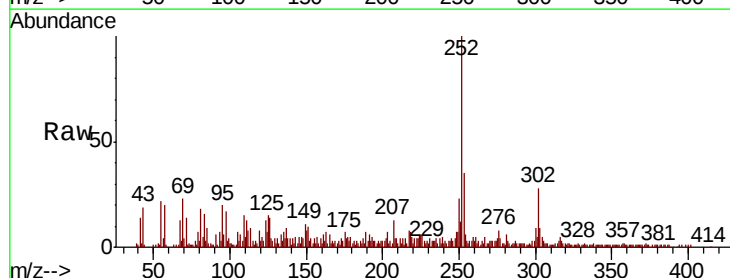
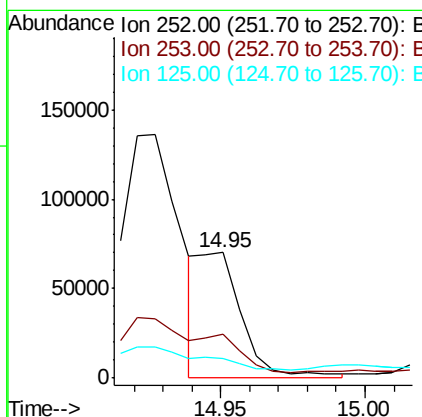
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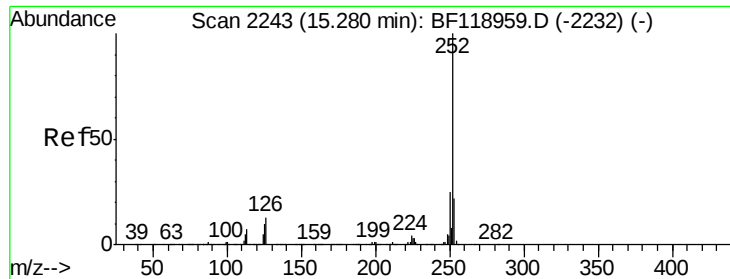
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#89
Benzo(k)fluoranthene
Concen: 2.795 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.8	17.9	26.9
125	15.4	7.3	10.9





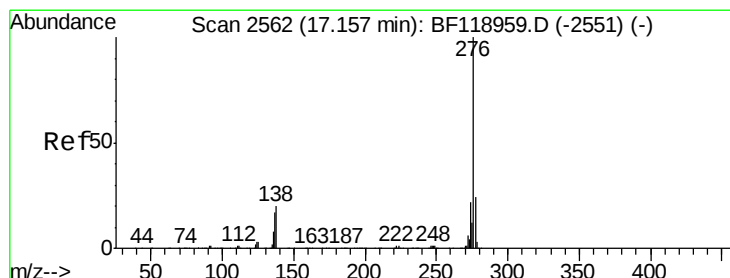
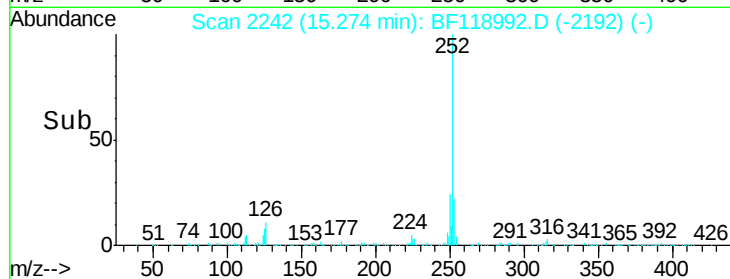
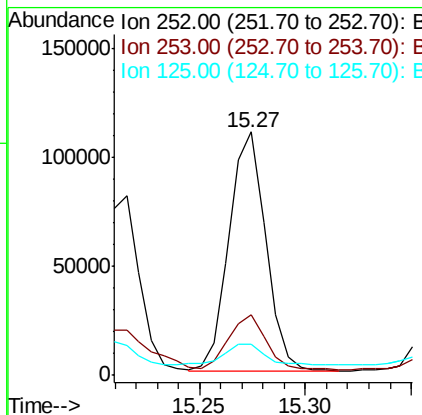
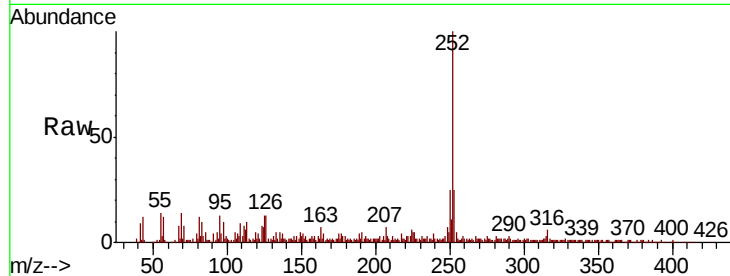
#90
Benzo(a)pyrene
Concen: 5.276 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-007-ARE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	12.8	7.8	11.6

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#92
Benzo(g,h,i)perylene
Concen: 3.138 ng
RT: 17.16 min Scan# 2562
Delta R.T. -0.00 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.2	28.8
138	20.9	16.2	24.4

