

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
 Data File : BF118983.D
 Acq On : 21 Feb 2020 2:56
 Operator : CG/JU
 Sample : L1551-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

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Quant Time: Feb 21 04:11:40 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	6.76	152	163432	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	565630	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	255108	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	392864	20.00	ng	0.00
76) Chrysene-d12	13.91	240	409971	20.00	ng	0.00
87) Perylene-d12	15.34	264	377934	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	109544	11.20	ng	0.00
7) Phenol-d6	6.40	99	411098	34.56	ng	0.00
23) Nitrobenzene-d5	7.32	82	305819	28.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.58	330	7562	2.27	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	577065	33.32	ng	0.00
79) Terphenyl-d14	12.85	244	570766	23.97	ng	0.00
Target Compounds						
71) Phenanthrene	11.30	178	110187	5.143	ng	98
75) Fluoranthene	12.48	202	200460	8.815	ng	100
78) Pyrene	12.71	202	188912	5.738	ng	99
81) Benzo(a)anthracene	13.90	228	100321	3.591	ng	95
83) Chrysene	13.93	228	90739m	3.260	ng	
88) Benzo(b)fluoranthene	14.93	252	98957m	3.972	ng	
90) Benzo(a)pyrene	15.28	252	69886	3.108	ng	# 82

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

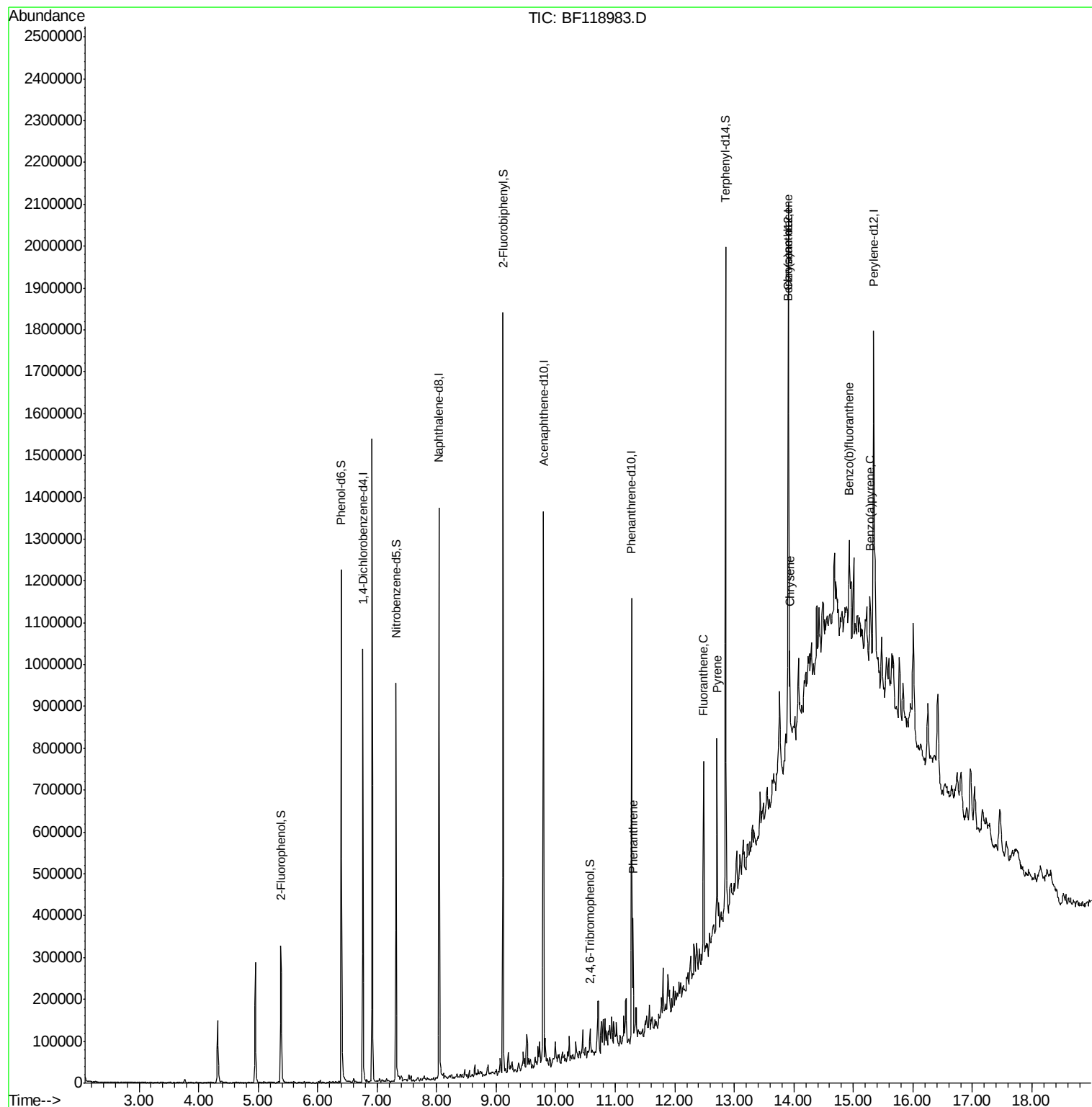
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
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#1

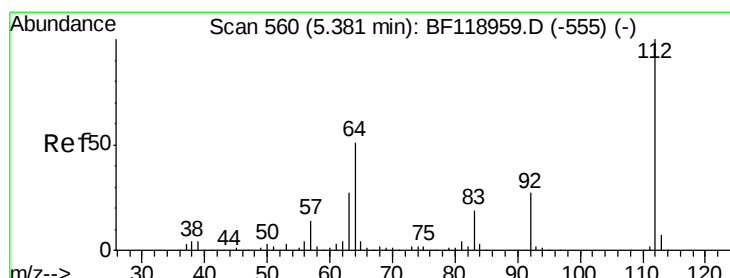
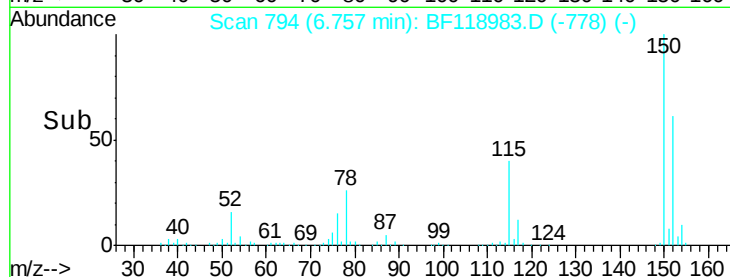
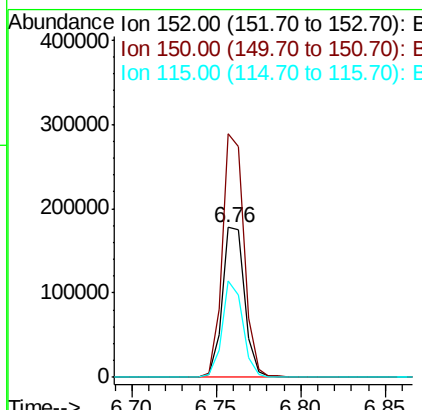
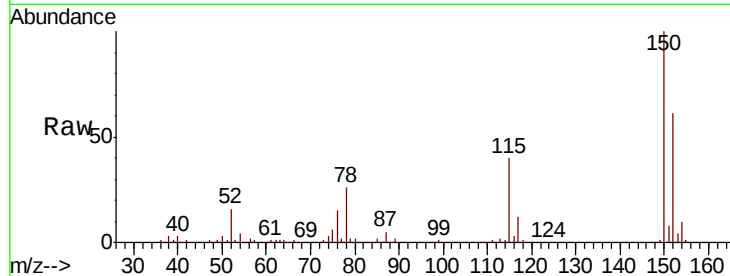
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.8	124.3	186.5
115	64.4	44.6	67.0

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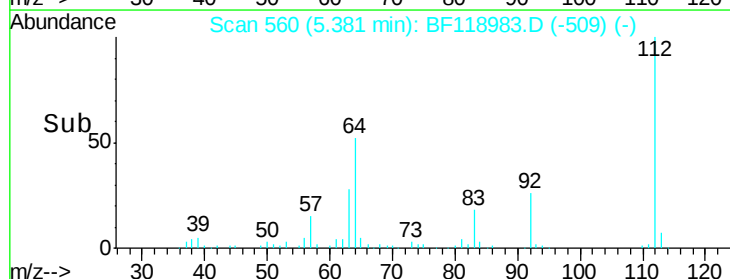
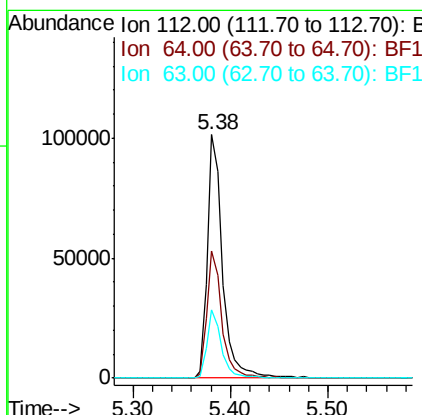
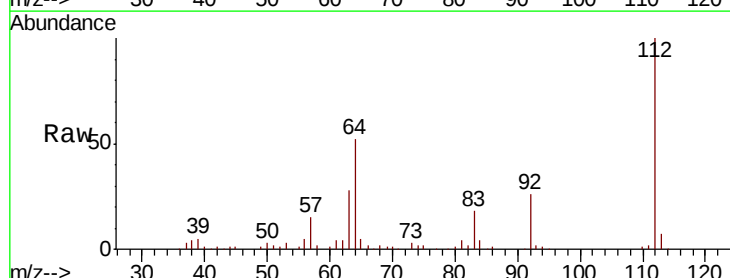
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#5

2-Fluorophenol
Concen: 11.201 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	40.4	60.6
63	27.9	21.3	31.9





#7

Phenol-d6

Concen: 34.565 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

Instrument :

BNA_F

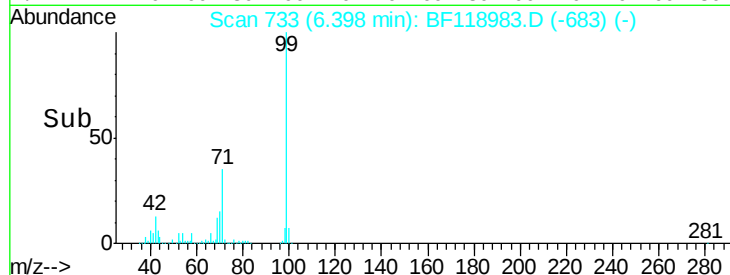
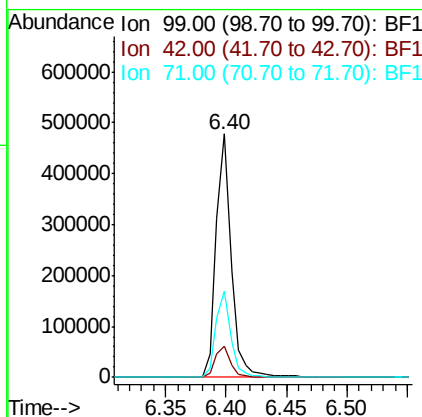
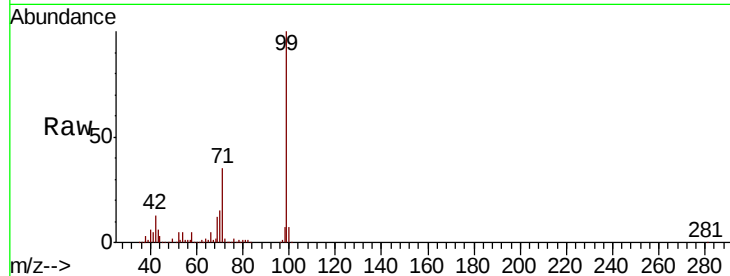
ClientSampleId :

FK-SF-01-007-B

Tot Ion:	99	Resp:	411098
Ion Ratio	Lower	Upper	
99	100		
42	13.0	11.4	17.0
71	35.3	29.8	44.6

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#21

Naphthalene-d8

Concen: 20.000 ng

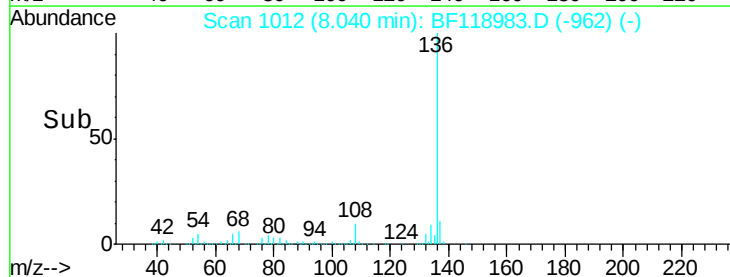
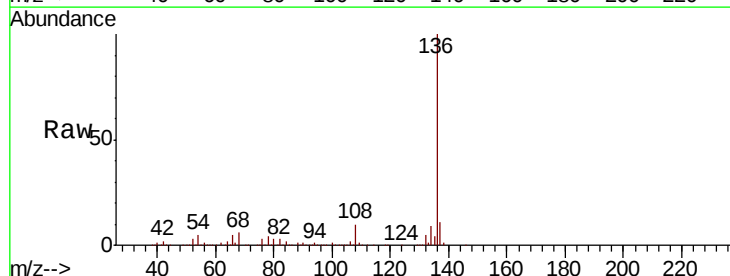
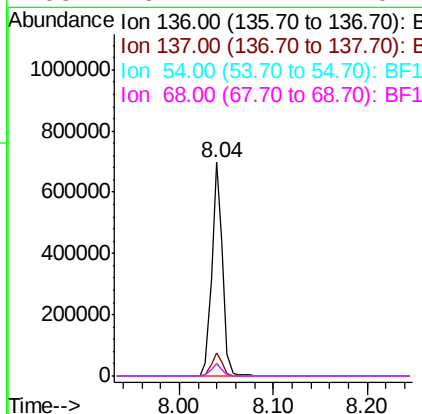
RT: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

Tgt Ion:	136	Resp:	565630
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	5.1	3.8	5.6
68	5.7	4.2	6.2





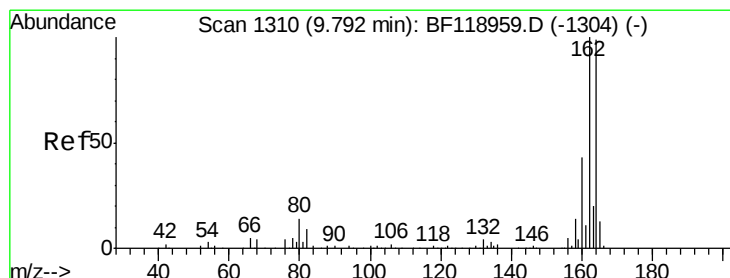
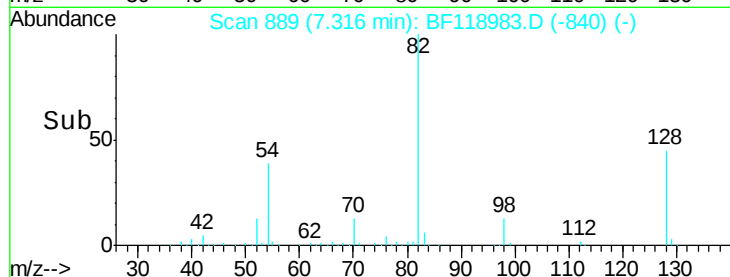
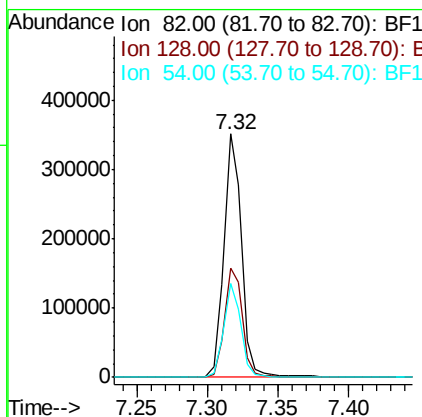
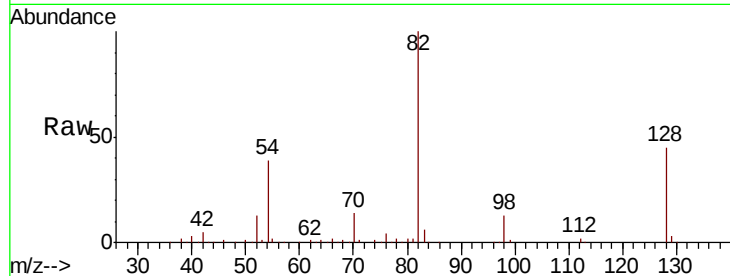
#23
 Nitrobenzene-d5
 Concen: 28.547 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF118983.D
 Acq: 21 Feb 2020 2:56

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

Tot Ion:	82	Resp:	305819
Ion Ratio	Lower	Upper	
82	100		
128	44.7	38.2	57.2
54	38.6	31.3	46.9

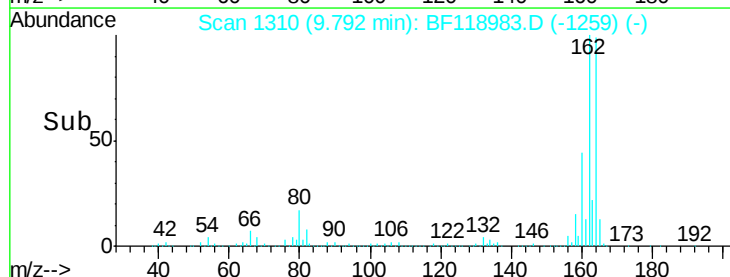
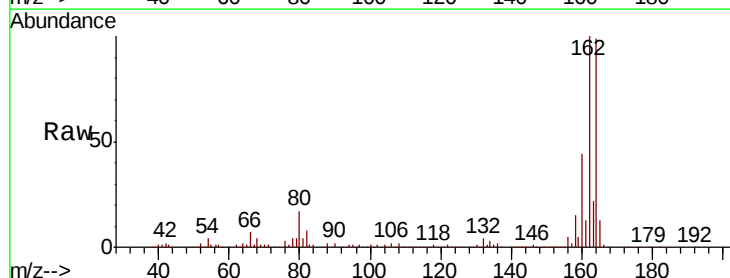
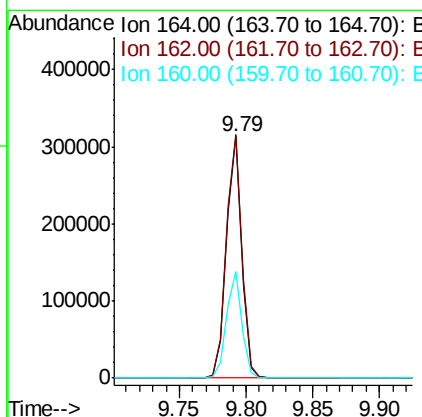
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. 0.00 min
 Lab File: BF118983.D
 Acq: 21 Feb 2020 2:56

Tgt Ion:	164	Resp:	255108
Ion Ratio	Lower	Upper	
164	100		
162	100.7	81.2	121.8
160	44.0	35.2	52.8





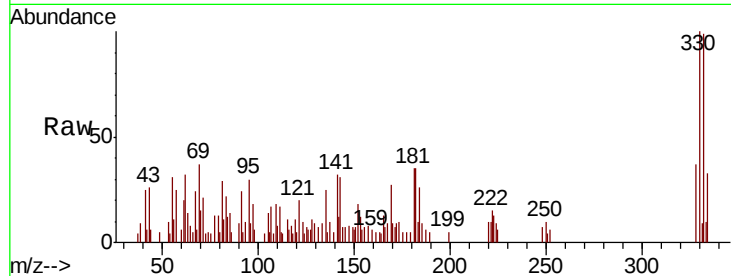
#42
 2,4,6-Tribromophenol
 Concen: 2.266 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: BF118983.D
 Acq: 21 Feb 2020 2:56

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

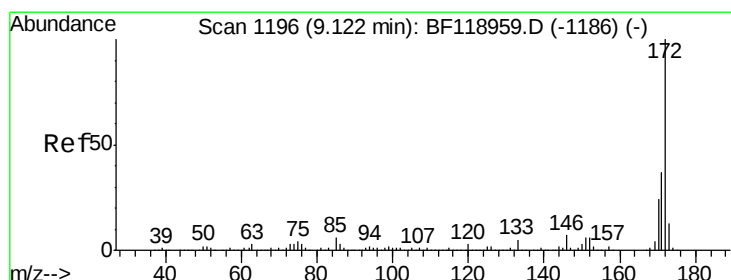
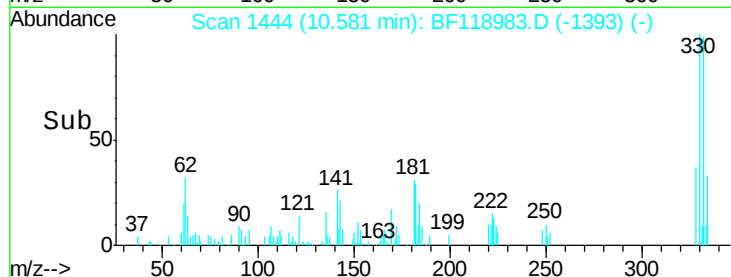
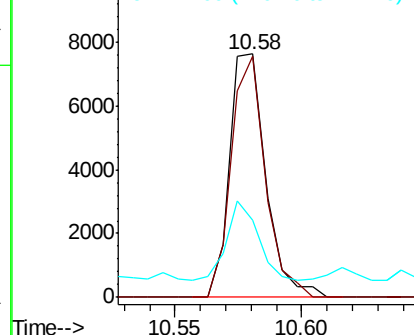
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.2	77.1	115.7
141	28.7	23.0	34.6

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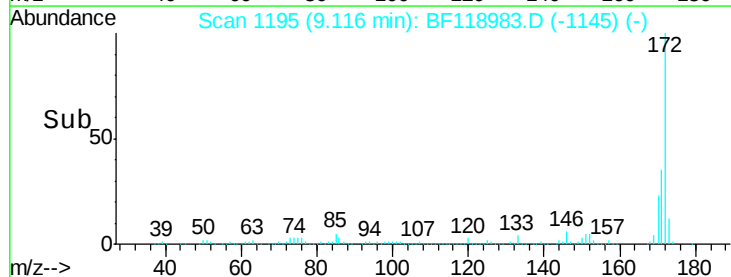
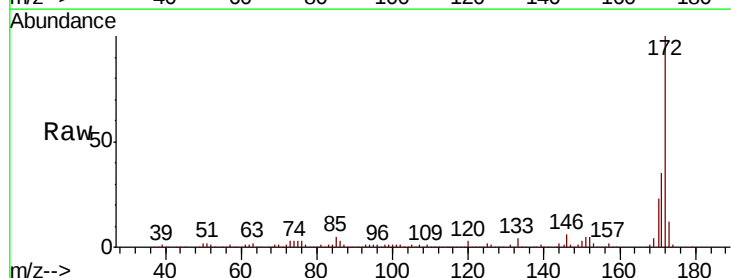
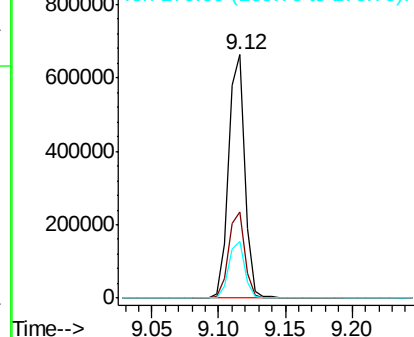
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

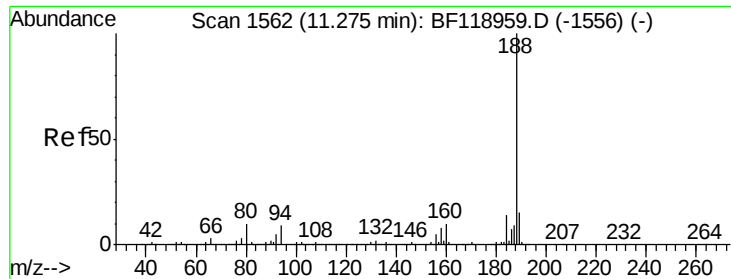


#45
 2-Fluorobiphenyl
 Concen: 33.324 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF118983.D
 Acq: 21 Feb 2020 2:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.4	44.2
170	23.2	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





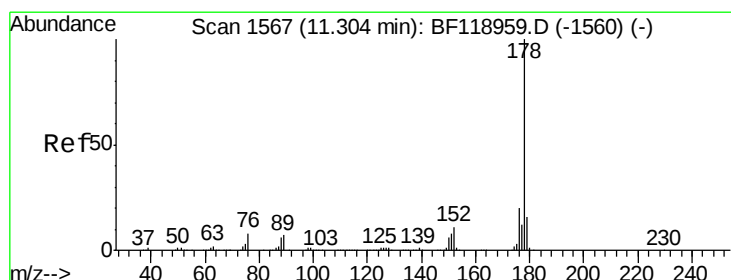
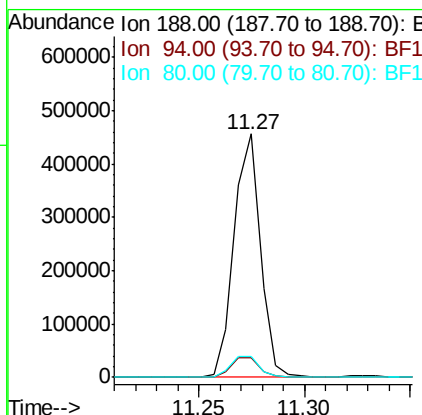
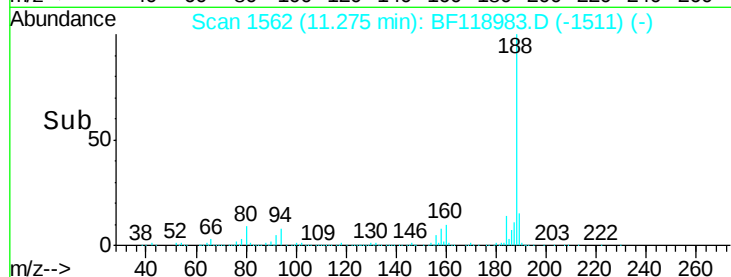
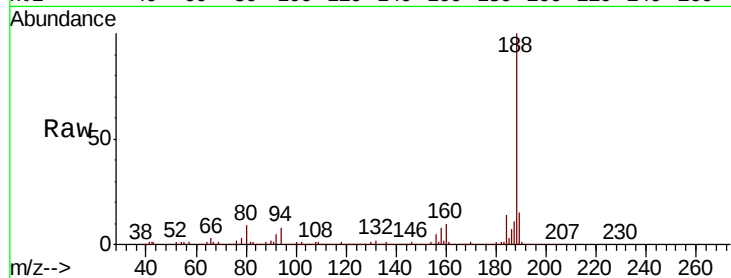
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:	188	Resp:	392864
Ion Ratio	Lower	Upper	
188	100		
94	8.2	7.0	10.6
80	8.8	7.9	11.9

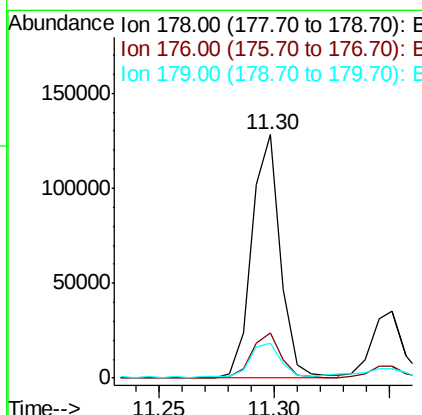
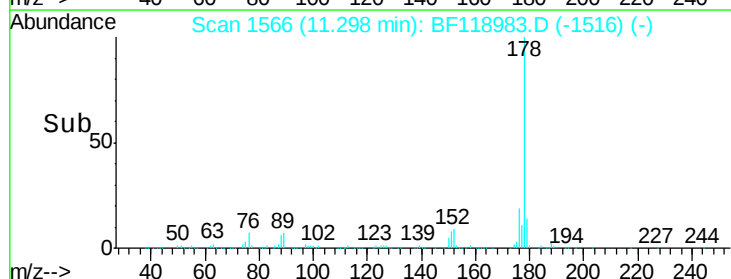
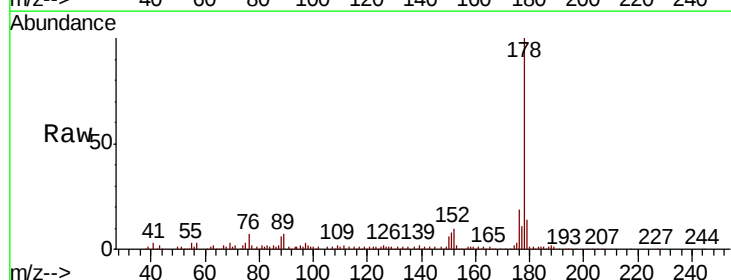
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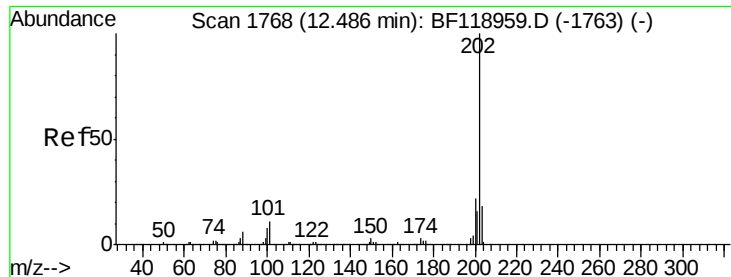
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#71
Phenanthrene
Concen: 5.143 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

Tgt Ion:	178	Resp:	110187
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.6	23.4
179	14.4	12.6	18.8





#75

Fluoranthene

Concen: 8.815 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

Instrument :

BNA_F

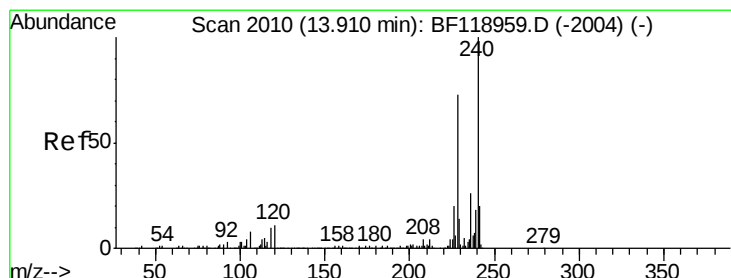
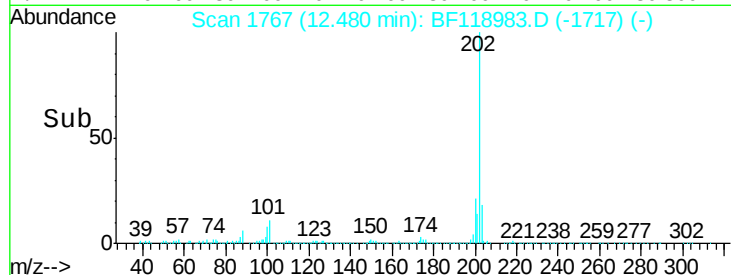
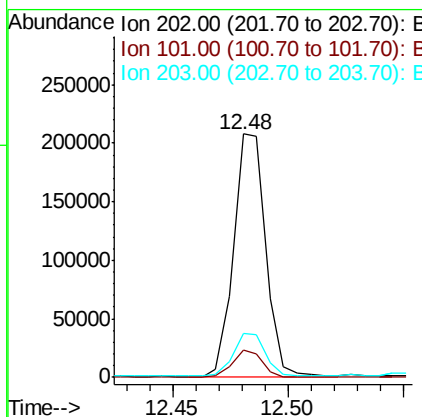
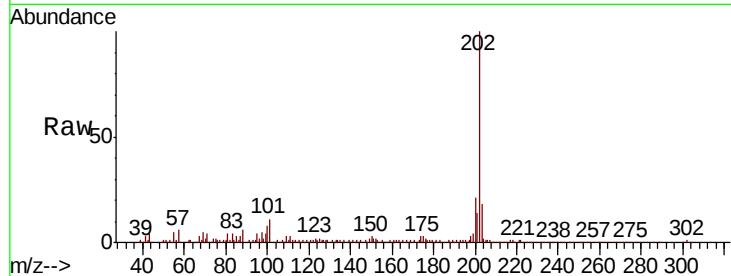
ClientSampleId :

FK-SF-01-007-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		200460		
101	11.3	0.0	31.1		
203	18.3	0.0	38.1		

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#76

Chrysene-d12

Concen: 20.000 ng

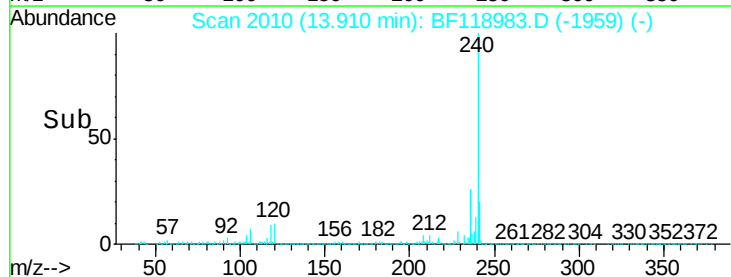
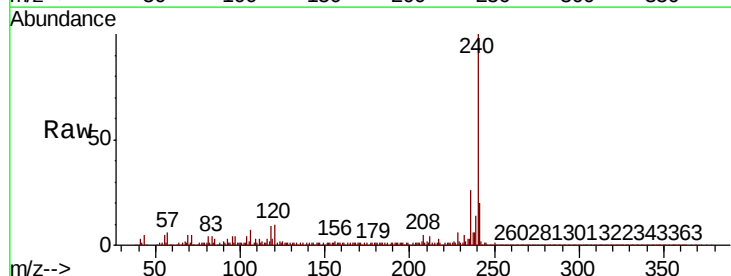
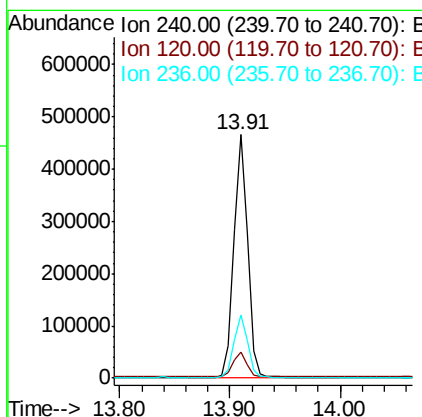
RT: 13.91 min Scan# 2010

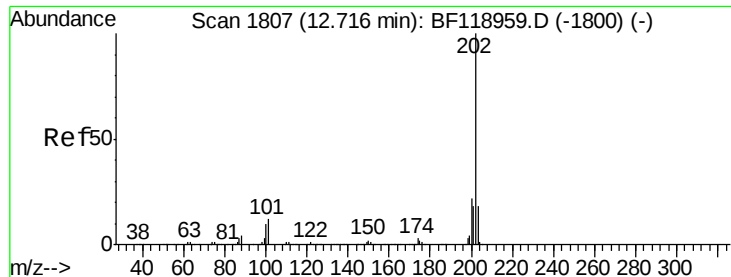
Delta R.T. 0.00 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		409971		
120	10.5	8.9	13.3		
236	25.8	20.6	30.8		





#78

Pvrene

Concen: 5.738 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

Instrument :

BNA_F

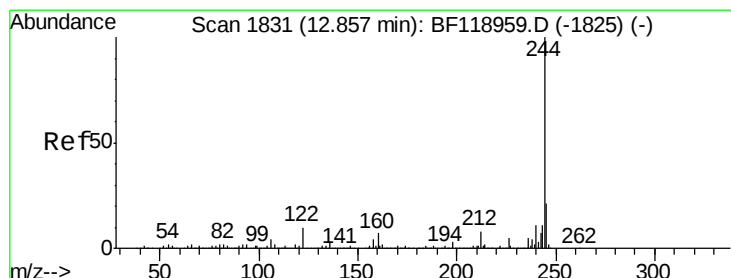
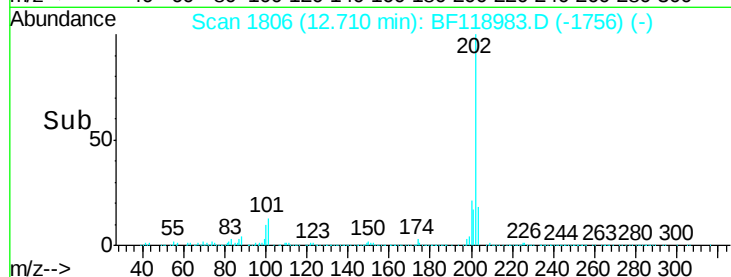
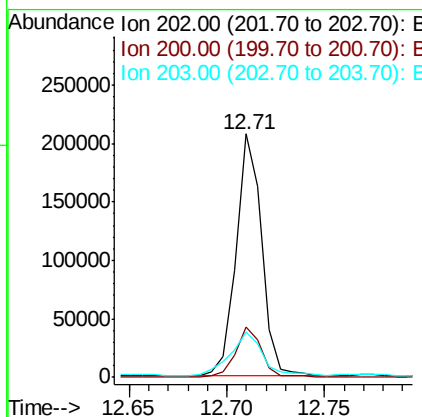
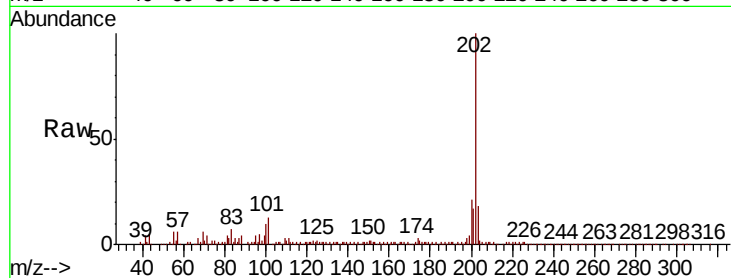
ClientSampleId :

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Tot Ion:	202	Resp:	188912
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.4	26.0
203	18.4	14.5	21.7

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#79

Terphenyl-d14

Concen: 23.969 ng

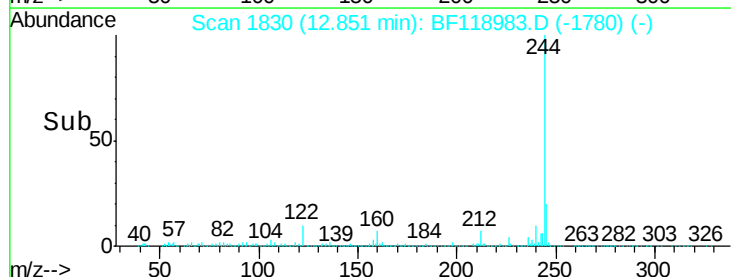
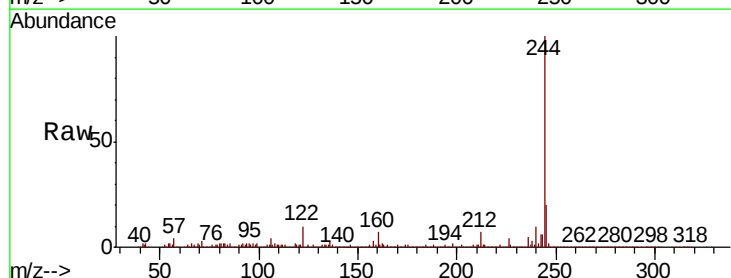
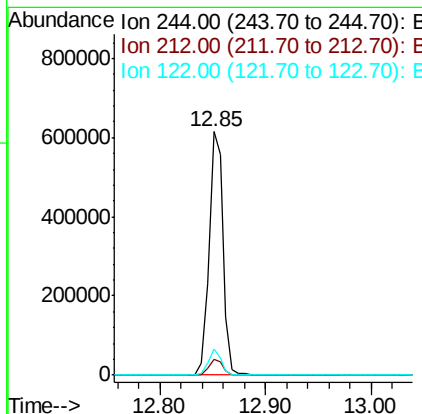
RT: 12.85 min Scan# 1830

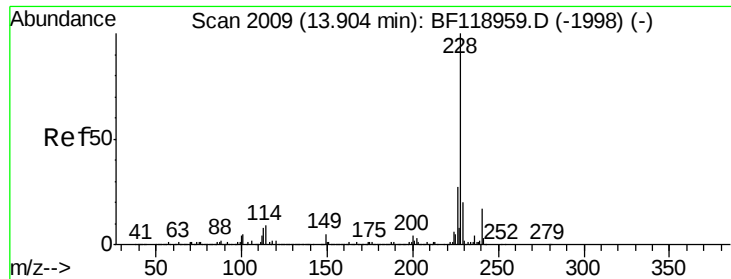
Delta R.T. -0.01 min

Lab File: BF118983.D

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Tgt Ion:	244	Resp:	570766
Ion Ratio		Lower	Upper
244	100		
212	6.6	6.3	9.5
122	10.5	8.4	12.6





#81

Benzo(a)anthracene

Concen: 3.591 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

Instrument :

BNA_F

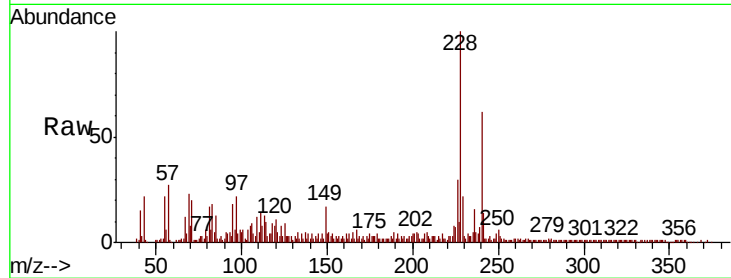
ClientSampleId :

FK-SF-01-007-B

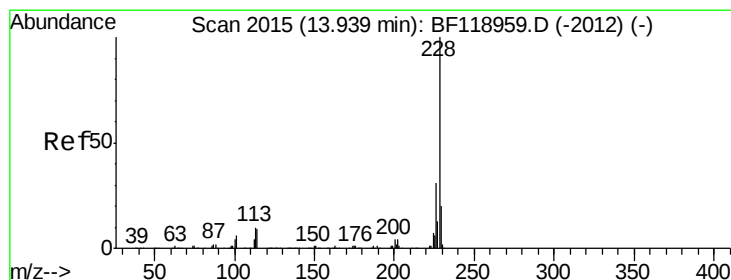
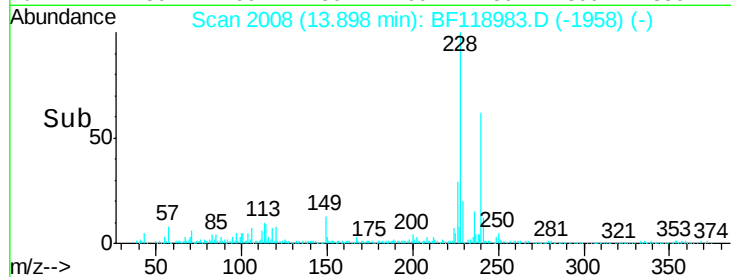
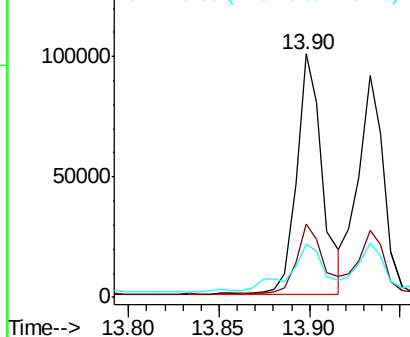
Tot Ion:	228	Resp:	100321
Ion Ratio	Lower	Upper	
228	100		
226	30.3	21.8	32.8
229	22.0	16.0	24.0

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 3.260 ng m

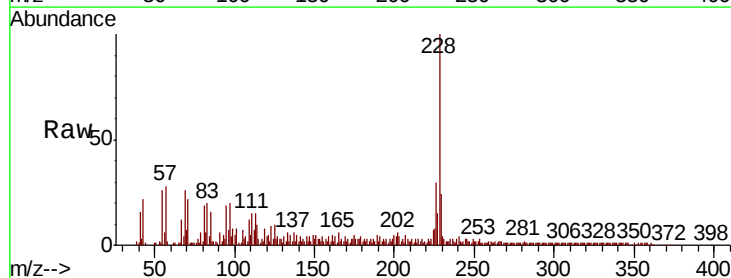
RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

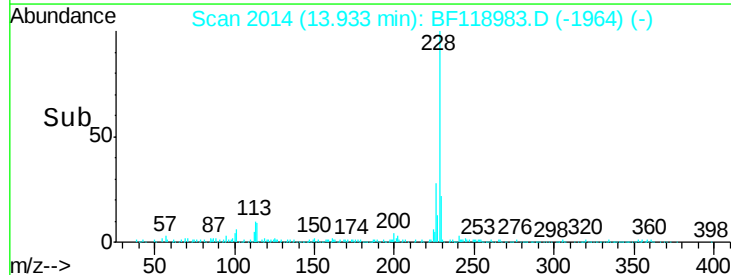
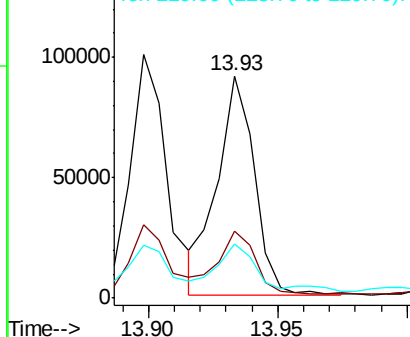
Lab File: BF118983.D

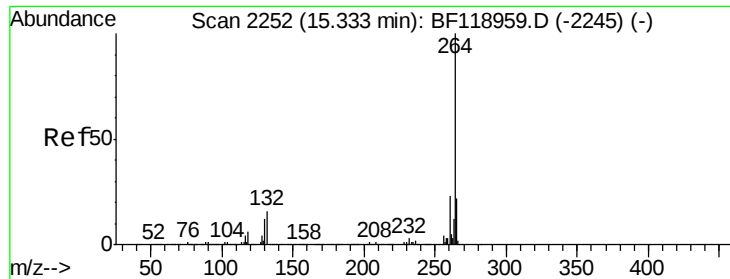
Acq: 21 Feb 2020 2:56

Tgt Ion:	228	Resp:	90739
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.6	37.0
229	24.2	16.2	24.2#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





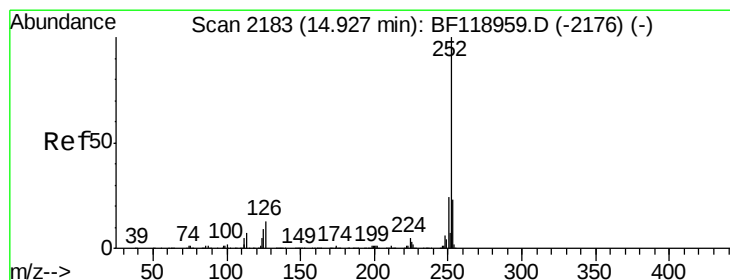
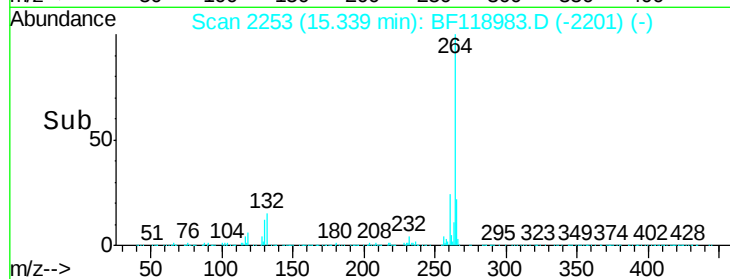
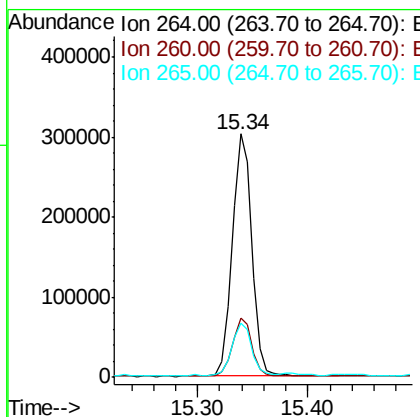
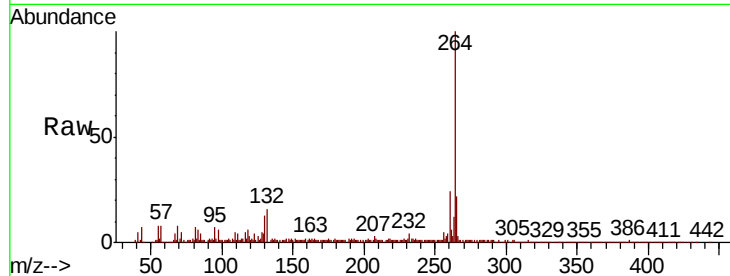
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.01 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	28.0
265	22.5	17.3	25.9

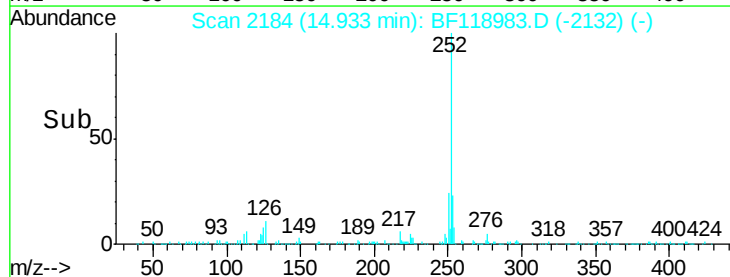
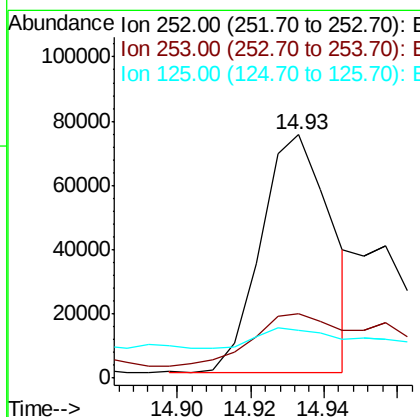
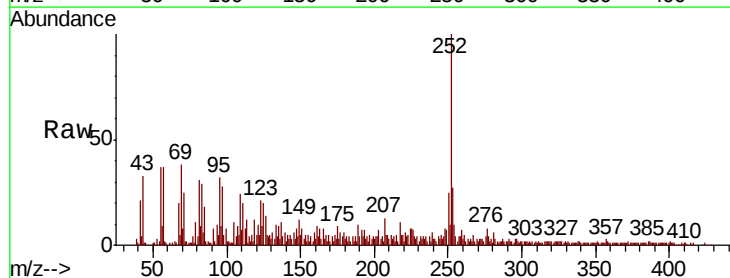
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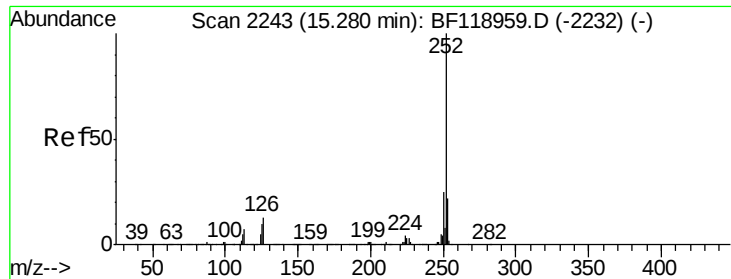
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#88
Benzo(b)fluoranthene
Concen: 3.972 ng m
RT: 14.93 min Scan# 2184
Delta R.T. 0.01 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.2	27.2
125	19.8	7.4	11.0





#90
Benzo(a)pyrene
Concen: 3.108 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.00 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.9	26.9#
125	21.5	7.8	11.6#

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