

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032419\
 Data File : BF113270.D
 Acq On : 24 Mar 2019 16:17
 Operator : JU/SJ
 Sample : K2078-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-005-A

Manual Integrations
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Sohil
 3/26/2019 6:34:52 PM

Quant Time: Mar 25 04:54:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	147397	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	570422	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	261322	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	453095	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	392011	20.00	ng	-0.01
87) Perylene-d12	15.27	264	342406	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	78374	8.27	ng	-0.02
7) Phenol-d6	6.35	99	383719	32.24	ng	-0.02
23) Nitrobenzene-d5	7.27	82	312370	32.77	ng	-0.03
42) 2,4,6-Tribromophenol	10.53	330	16657	6.00	ng	-0.02
45) 2-Fluorobiphenyl	9.07	172	645600	34.83	ng	-0.02
79) Terphenyl-d14	12.80	244	567590	28.07	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.46	163	39073	2.028	ng	Qvalue # 96
71) Phenanthrene	11.25	178	266505	11.822	ng	98
72) Anthracene	11.30	178	65302	2.767	ng	98
75) Fluoranthene	12.43	202	295450	12.233	ng	96
78) Pyrene	12.66	202	263023	7.959	ng	99
81) Benzo(a)anthracene	13.84	228	131098	4.825	ng	97
83) Chrysene	13.88	228	118664	4.459	ng	95
86) Indeno(1,2,3-cd)pyrene	16.63	276	45713	2.015	ng	# 92
88) Benzo(b)fluoranthene	14.87	252	131194m	5.924	ng	
89) Benzo(k)fluoranthene	14.89	252	40518m	2.020	ng	
90) Benzo(a)pyrene	15.21	252	87527	4.468	ng	# 90
92) Benzo(a,h,i)perylene	17.04	276	42659	2.541	ng	# 90

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

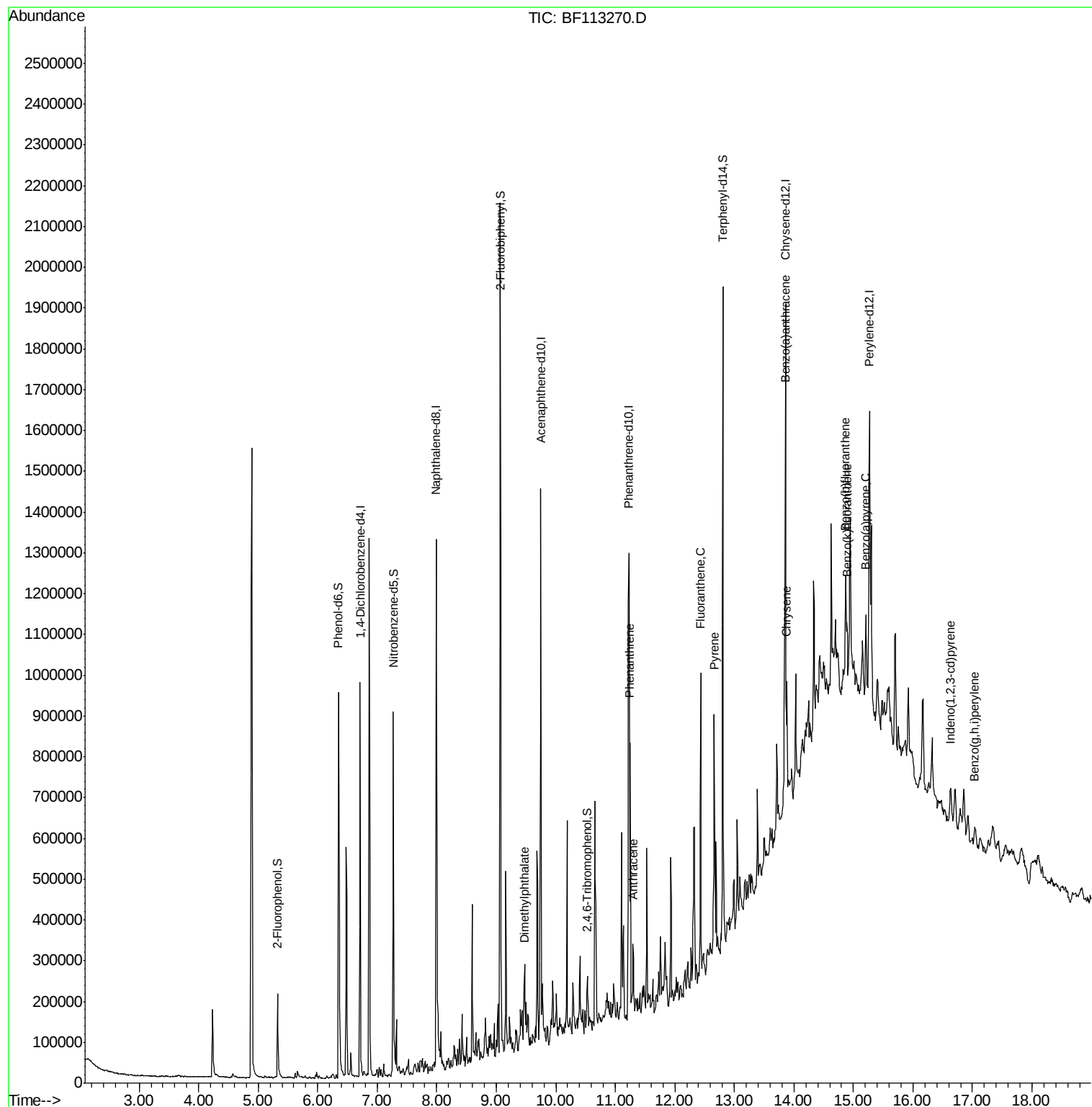
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032419\
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#1

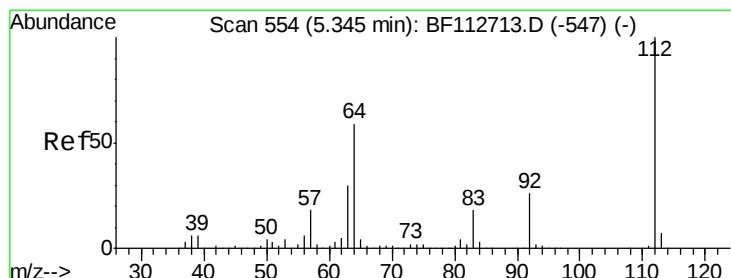
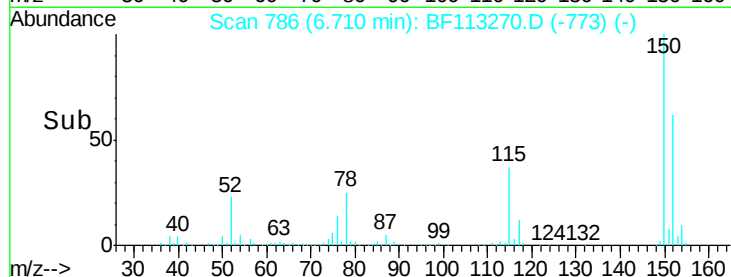
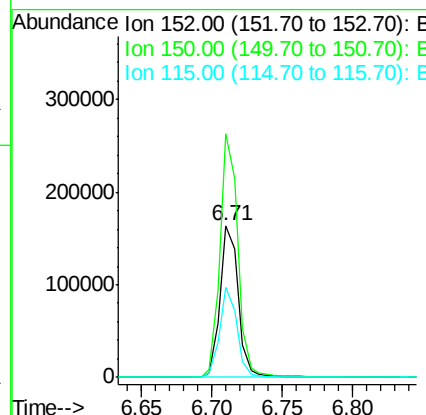
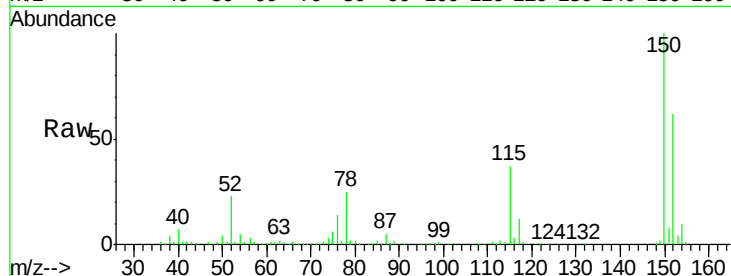
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF113270.D
Acq: 24 Mar 2019 16:17

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.2	186.2
115	59.4	48.2	72.4

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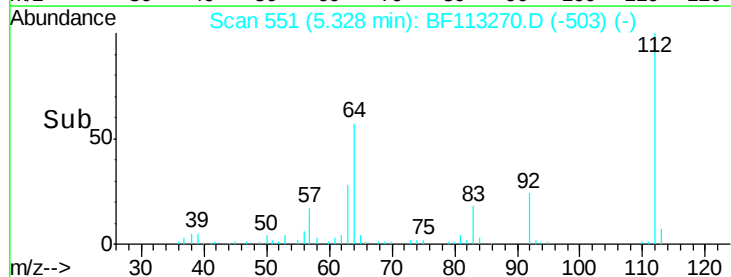
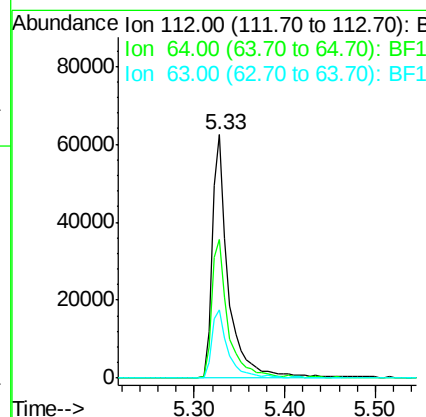
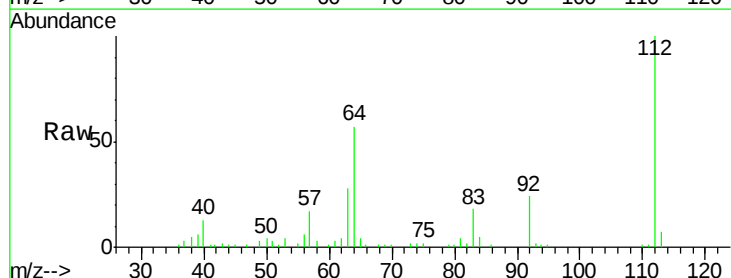
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#5

2-Fluorophenol
Concen: 8.271 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF113270.D
Acq: 24 Mar 2019 16:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.6	71.4
63	28.0	24.4	36.6





#7

Phenol-d6

Concen: 32.237 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF113270.D

Acq: 24 Mar 2019 16:17

Instrument :

BNA_F

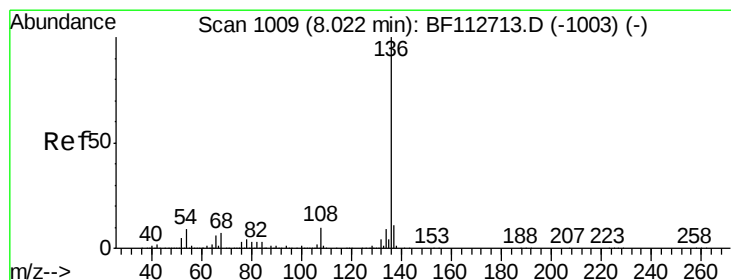
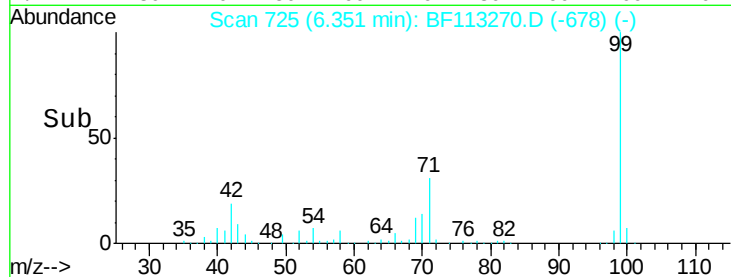
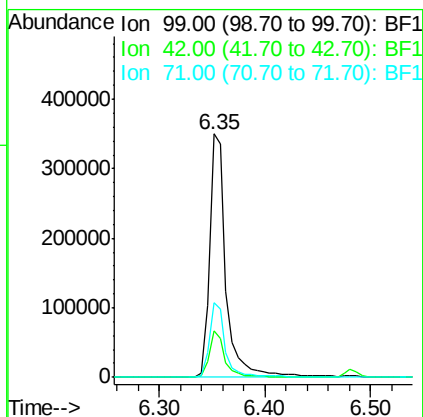
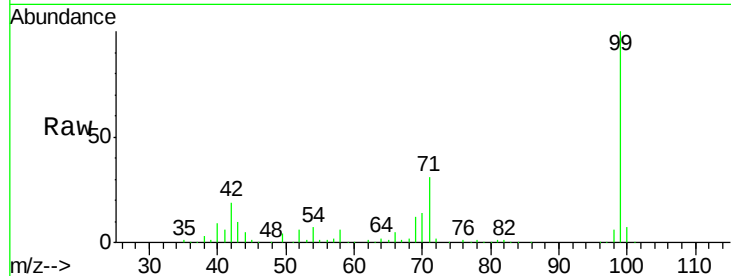
ClientSampleId :

FK-SF-01-005-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		383719		
42	18.9	16.3	24.5		
71	30.8	26.2	39.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

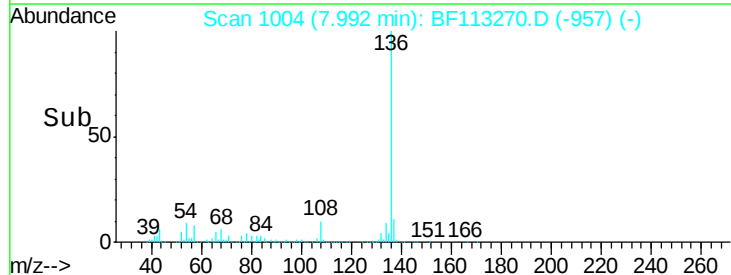
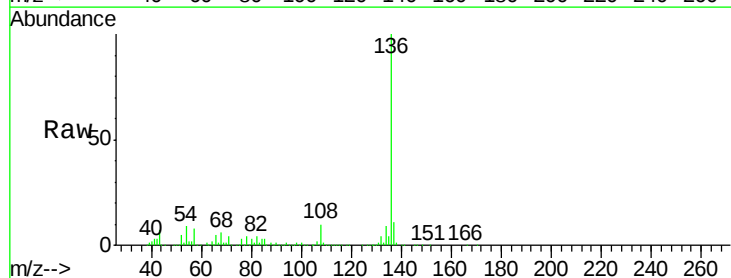
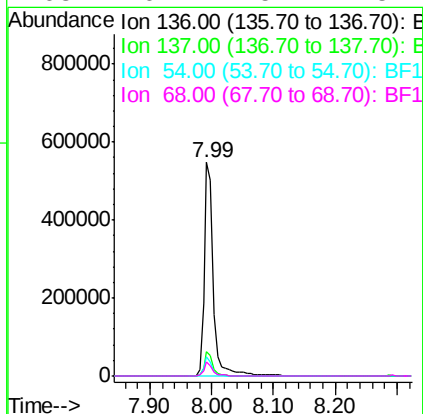
RT: 7.99 min Scan# 1004

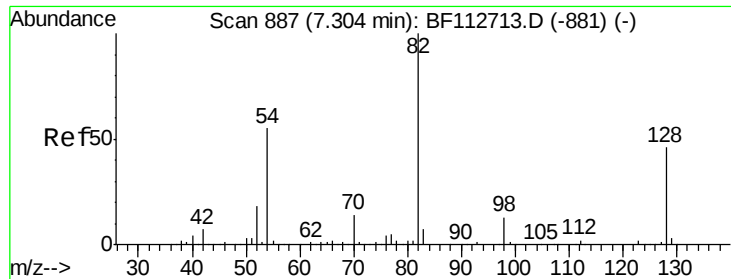
Delta R.T. -0.02 min

Lab File: BF113270.D

Acq: 24 Mar 2019 16:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		570422		
137	11.5	8.9	13.3		
54	9.1	7.3	10.9		
68	6.4	5.4	8.2		





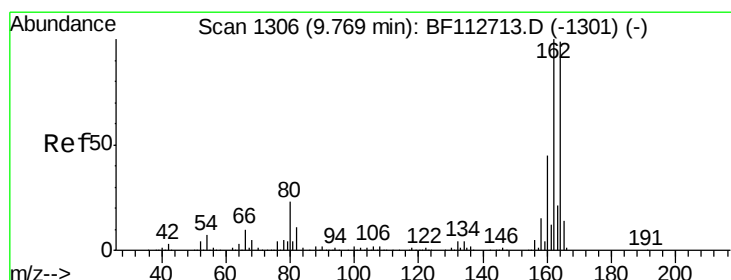
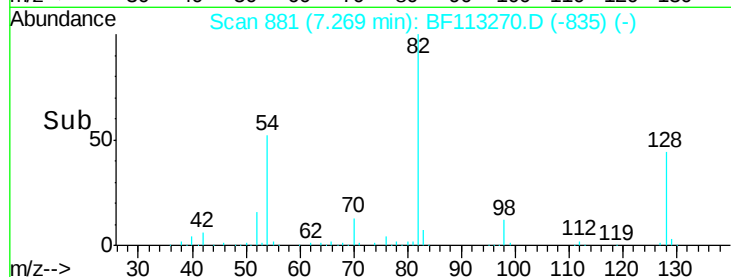
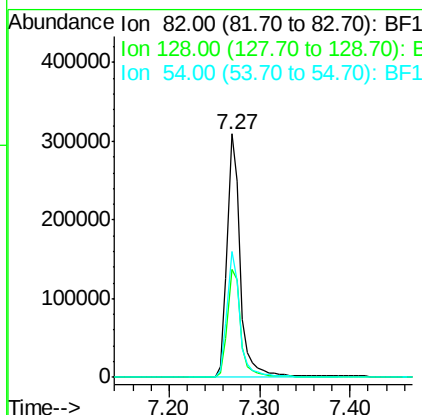
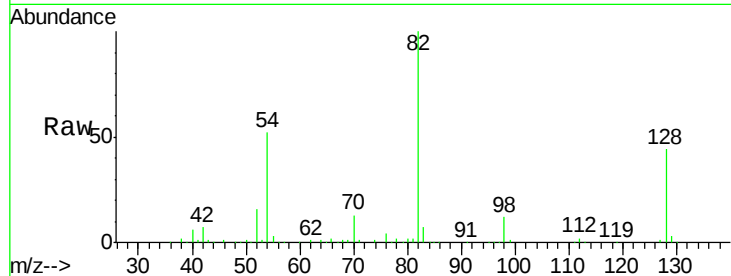
#23
Nitrobenzene-d5
Concen: 32.768 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.03 min
Lab File: BF113270.D
Acq: 24 Mar 2019 16:17

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.3	54.5
54	51.9	43.7	65.5

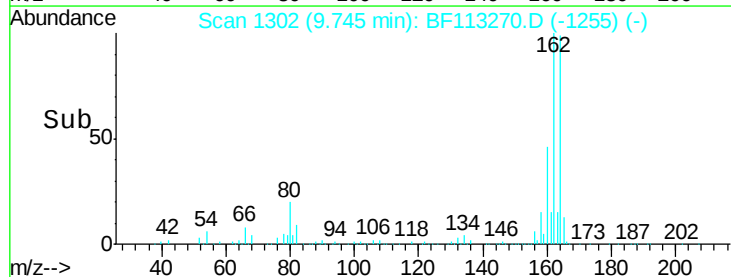
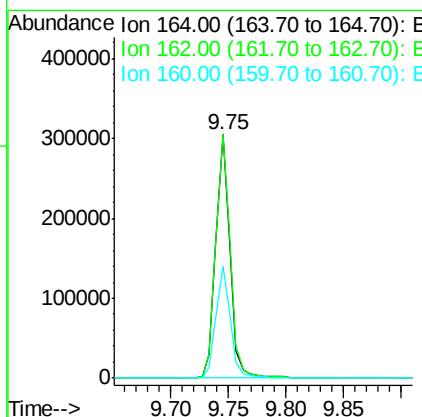
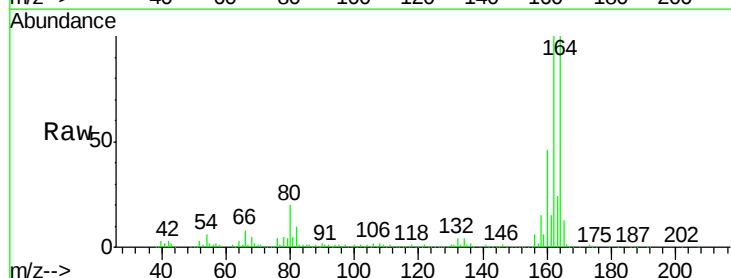
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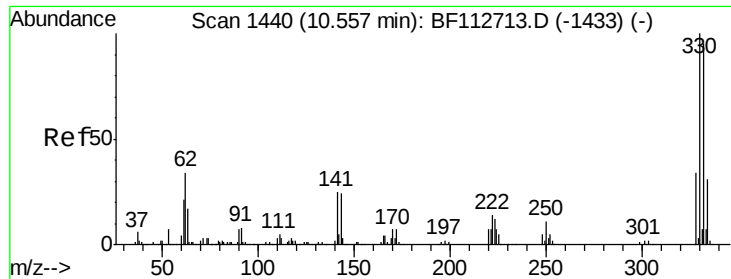
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF113270.D
Acq: 24 Mar 2019 16:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	46.2	36.0	54.0





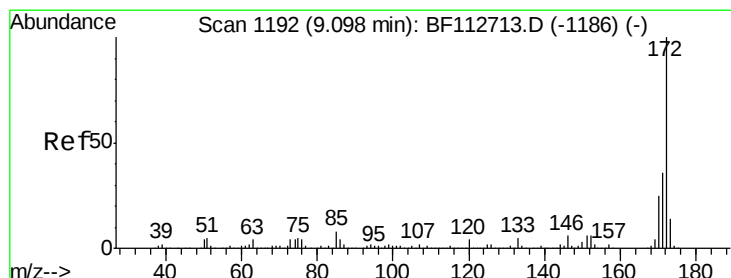
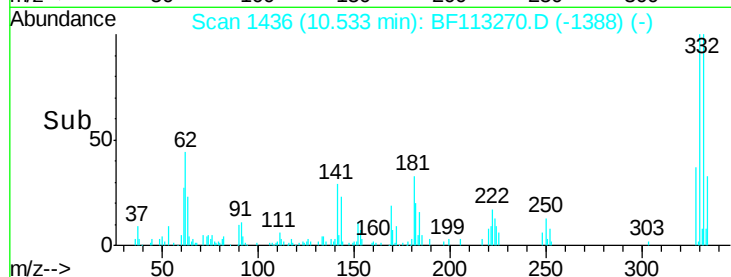
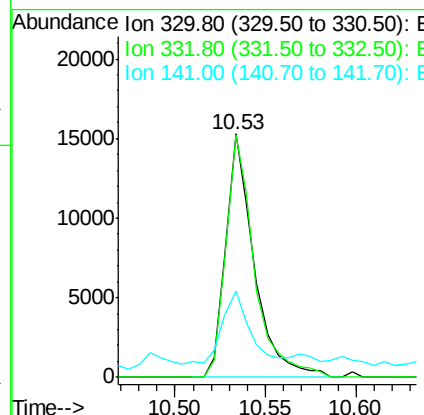
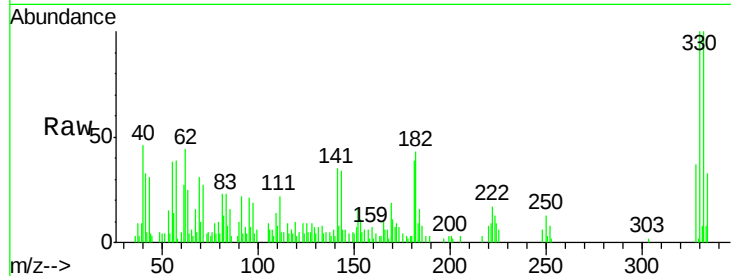
#42
 2,4,6-Tribromophenol
 Concen: 6.004 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF113270.D
 Acq: 24 Mar 2019 16:17

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-005-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	16657		
332	99.8	76.2	114.4	
141	28.8	27.0	40.6	

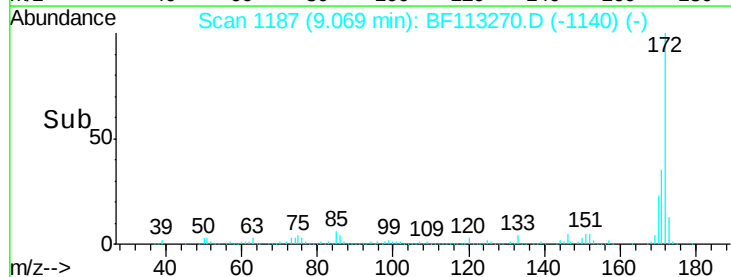
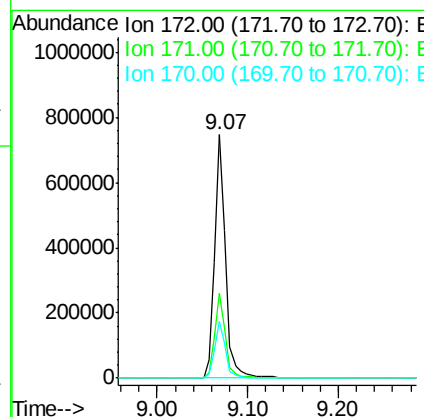
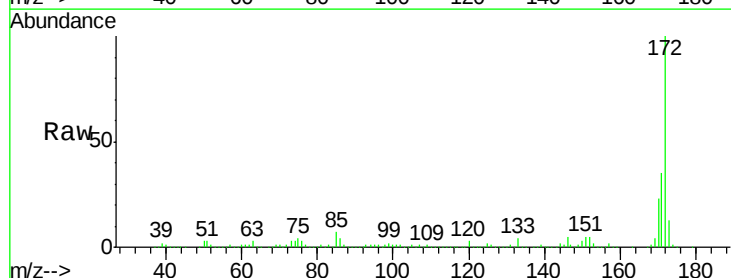
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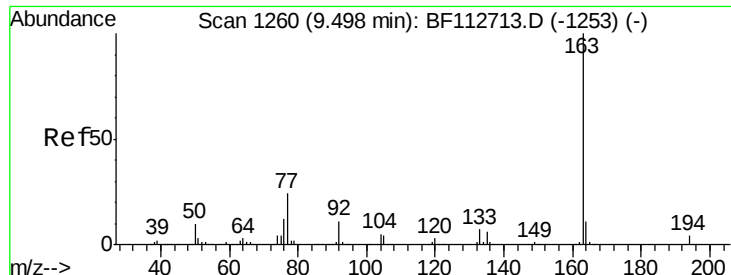
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#45
 2-Fluorobiphenyl
 Concen: 34.828 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF113270.D
 Acq: 24 Mar 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	645600		
171	35.1	29.0	43.4	
170	23.4	20.0	30.0	





#50

Dimethylphthalate

Concen: 2.028 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.04 min

Lab File: BF113270.D

Acq: 24 Mar 2019 16:17

Instrument :

BNA_F

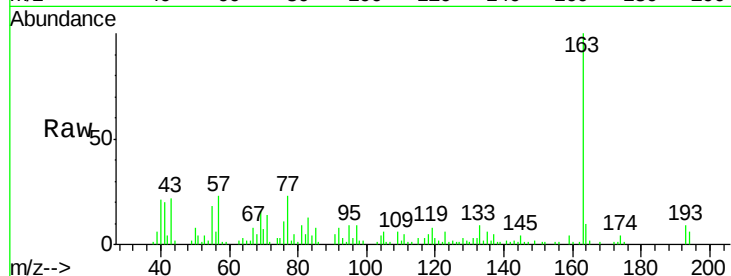
ClientSampled :

FK-SF-01-005-A

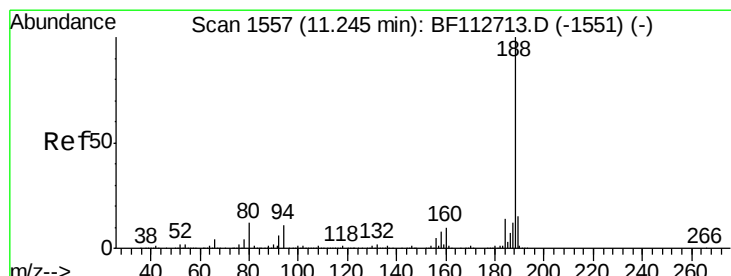
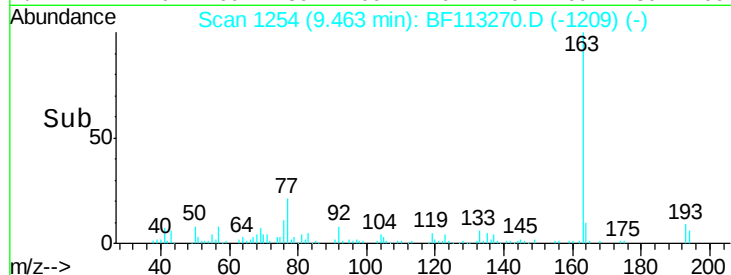
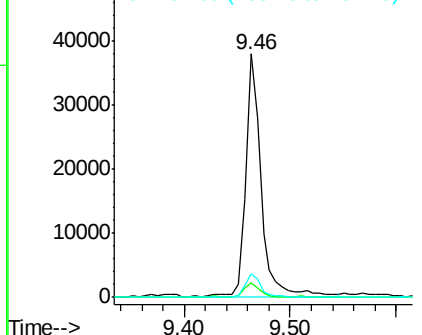
Tot Ion:	163	Resp:	39073
Ion Ratio	Lower	Upper	
163	100		
194	5.8	3.0	4.4#
164	9.5	8.4	12.6

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

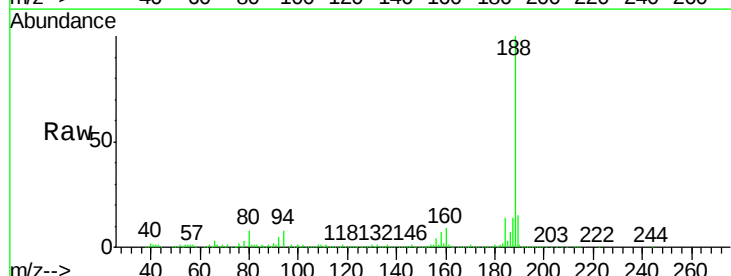
RT: 11.23 min Scan# 1554

Delta R.T. -0.02 min

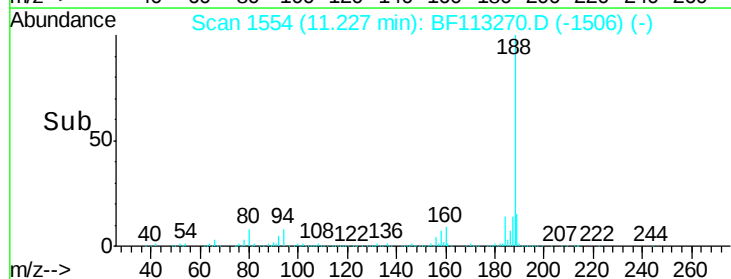
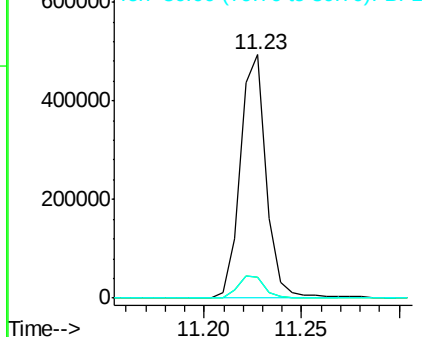
Lab File: BF113270.D

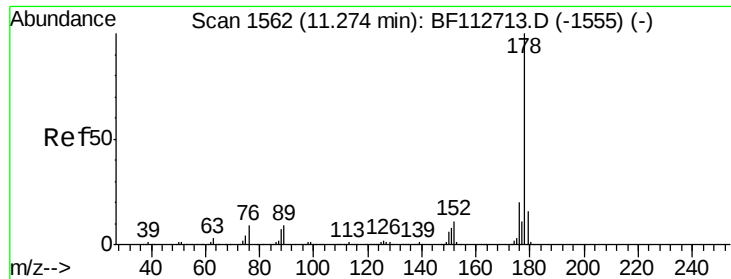
Acq: 24 Mar 2019 16:17

Tgt Ion:	188	Resp:	453095
Ion Ratio	Lower	Upper	
188	100		
94	8.4	9.0	13.4#
80	8.4	9.2	13.8#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





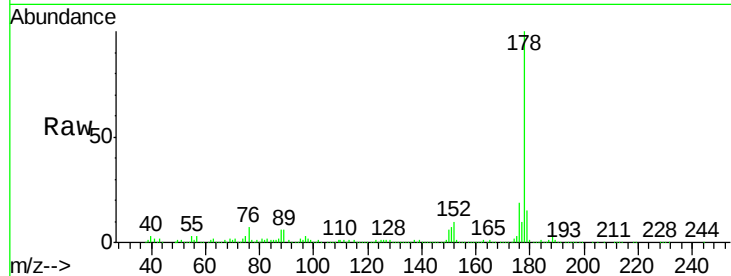
#71
Phenanthrene
Concen: 11.822 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF113270.D
Acq: 24 Mar 2019 16:17

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

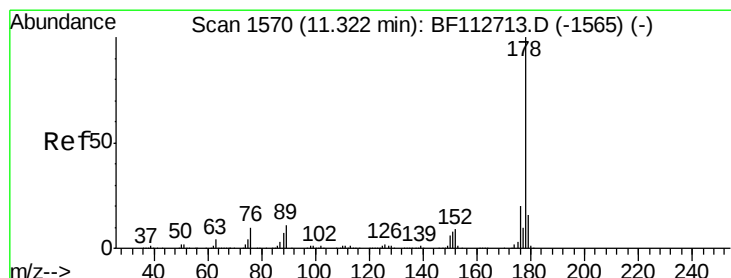
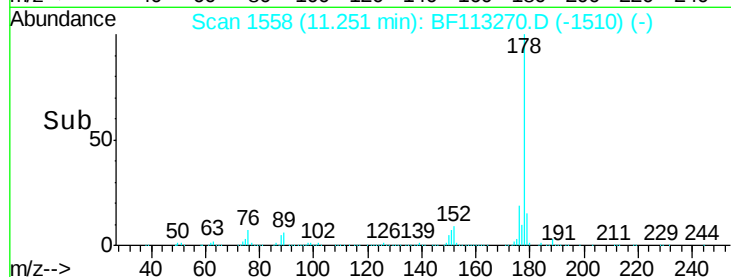
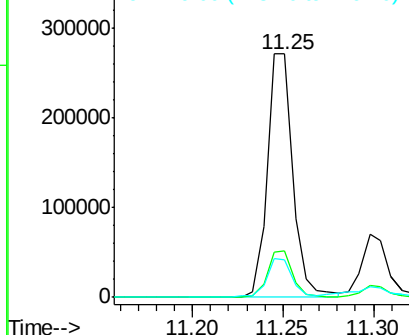
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.3	24.5
179	15.3	12.7	19.1

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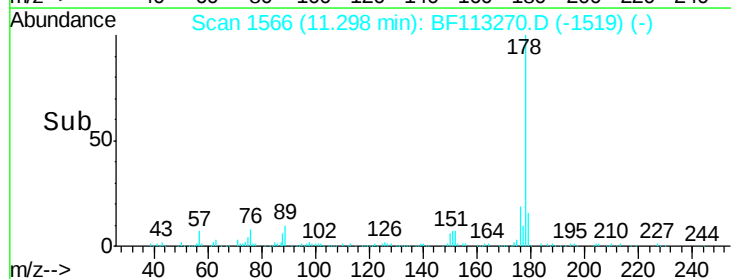
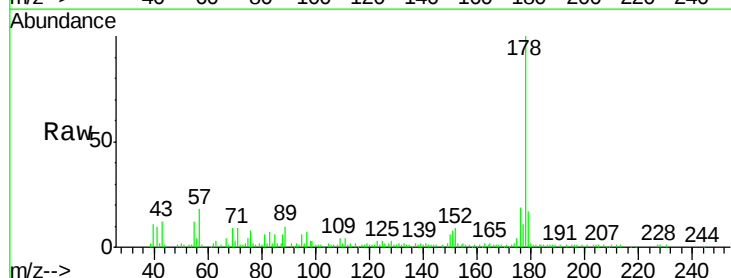
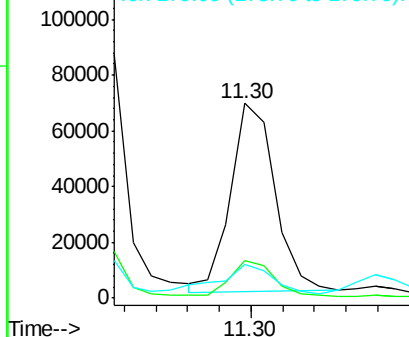
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

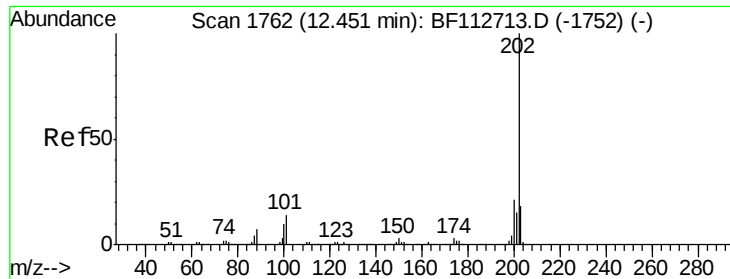


#72
Anthracene
Concen: 2.767 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.02 min
Lab File: BF113270.D
Acq: 24 Mar 2019 16:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.6
179	17.1	13.0	19.6

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: 12.233 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.02 min

Lab File: BF113270.D

Acq: 24 Mar 2019 16:17

Instrument :

BNA_F

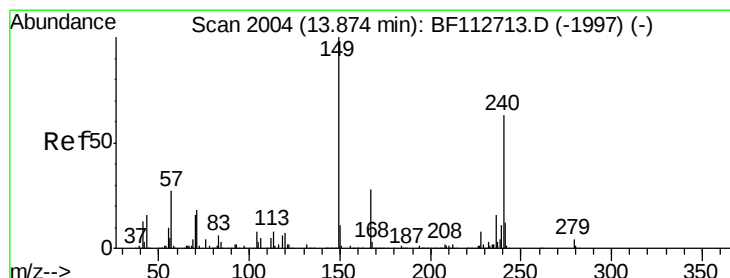
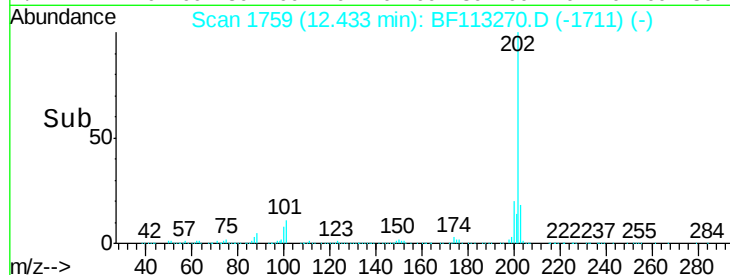
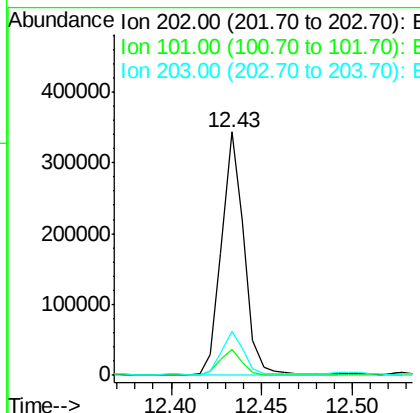
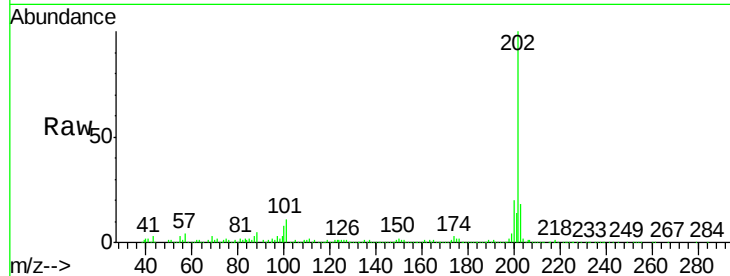
ClientSampleId :

FK-SF-01-005-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		295450		
101	10.7	0.0	33.8		
203	18.0	0.0	38.4		

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#76

Chrysene-d12

Concen: 20.000 ng

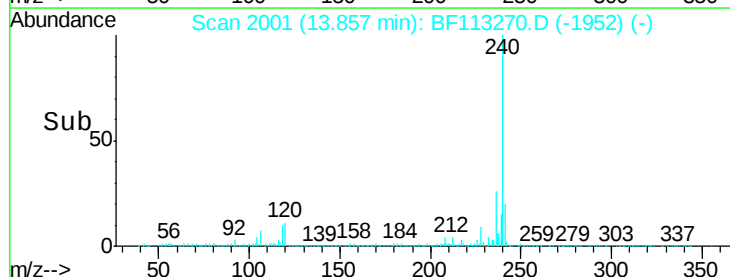
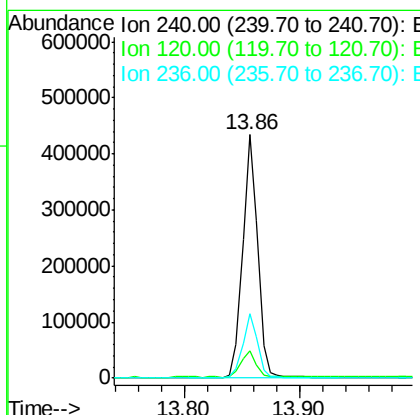
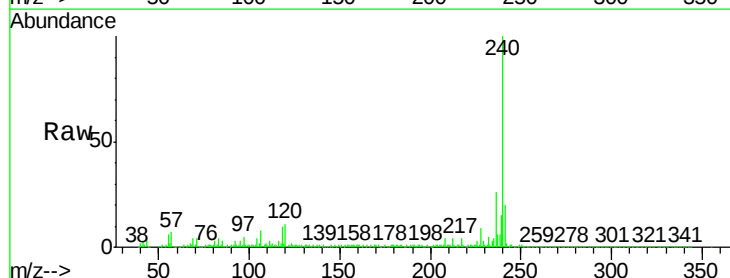
RT: 13.86 min Scan# 2001

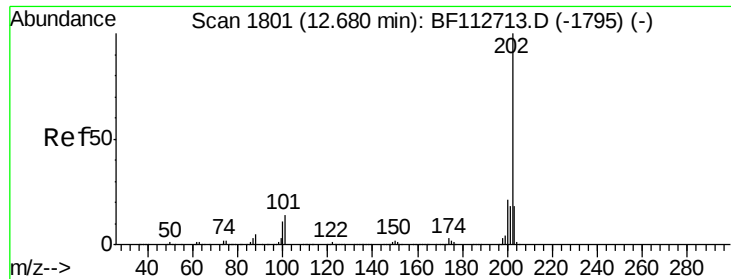
Delta R.T. -0.01 min

Lab File: BF113270.D

Acq: 24 Mar 2019 16:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		392011		
120	11.2	8.9	13.3		
236	26.4	20.7	31.1		





#78

Pvrene

Concen: 7.959 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF113270.D

Acq: 24 Mar 2019 16:17

Instrument :

BNA_F

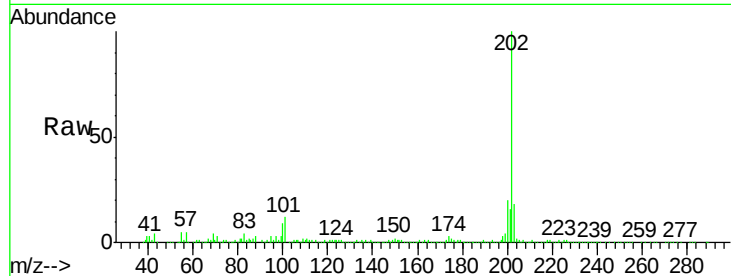
ClientSampleId :

FK-SF-01-005-A

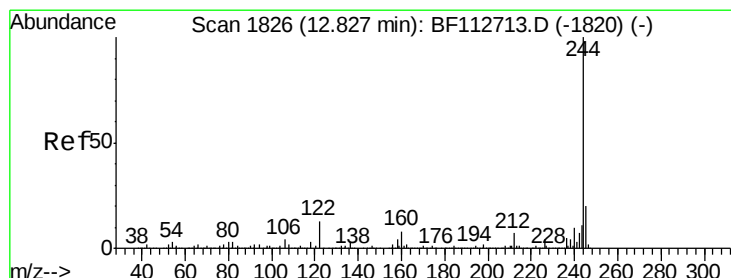
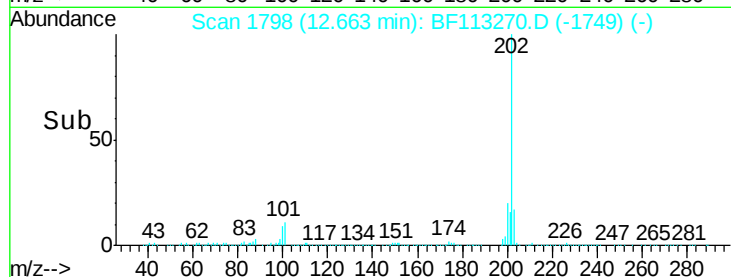
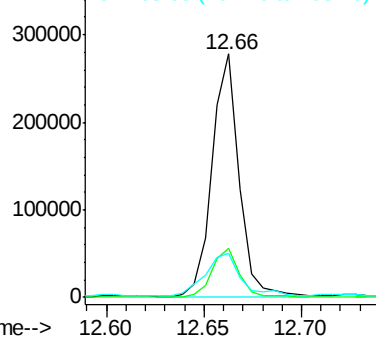
Tot Ion:	202	Resp:	263023
Ion Ratio		Lower	Upper
202	100		
200	20.2	17.0	25.4
203	18.2	14.4	21.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 28.067 ng

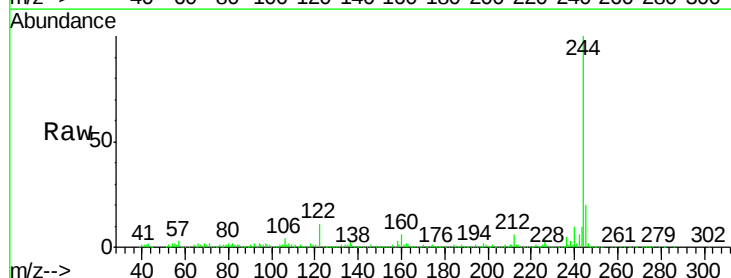
RT: 12.80 min Scan# 1822

Delta R.T. -0.02 min

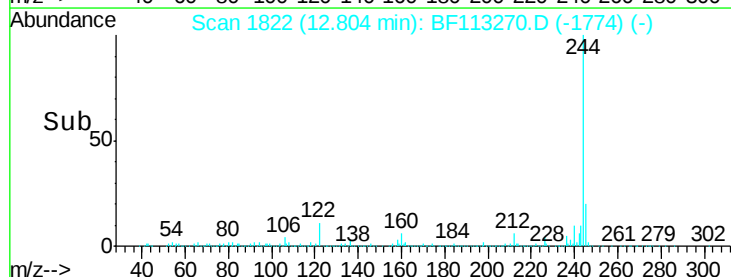
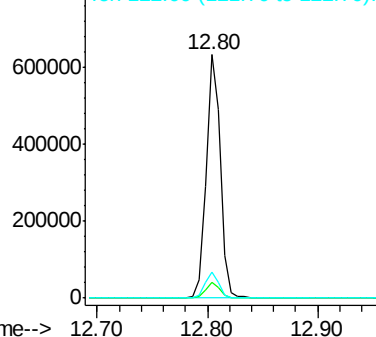
Lab File: BF113270.D

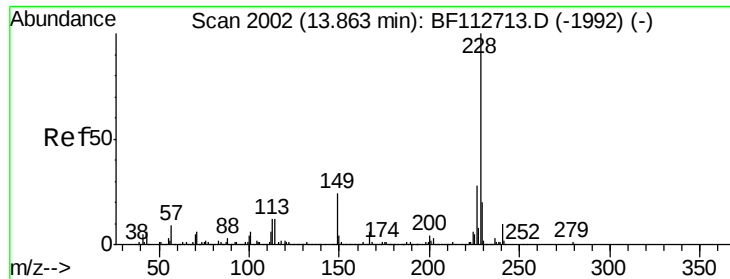
Acq: 24 Mar 2019 16:17

Tgt Ion:	244	Resp:	567590
Ion Ratio		Lower	Upper
244	100		
212	6.3	5.6	8.4
122	10.9	10.5	15.7



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





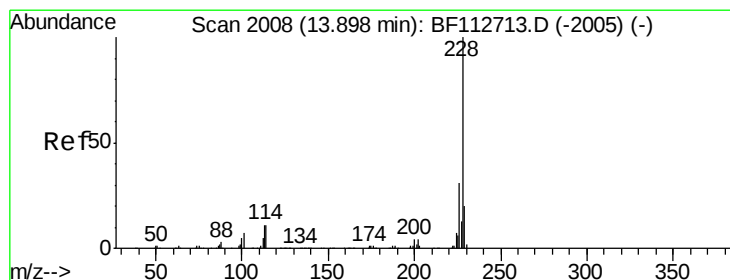
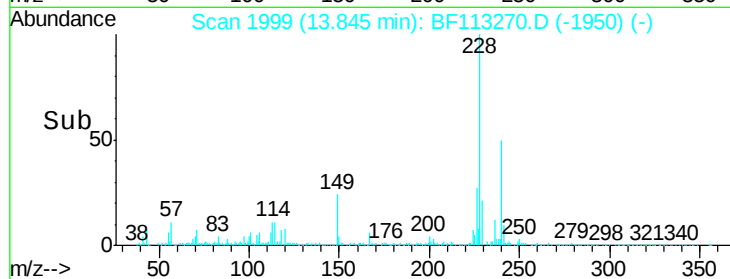
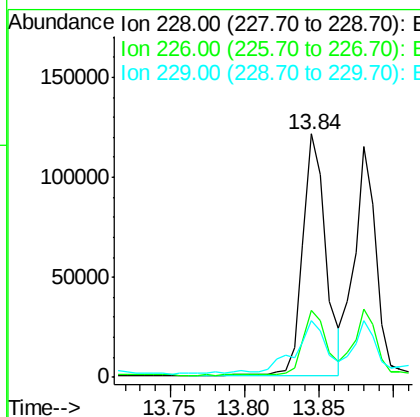
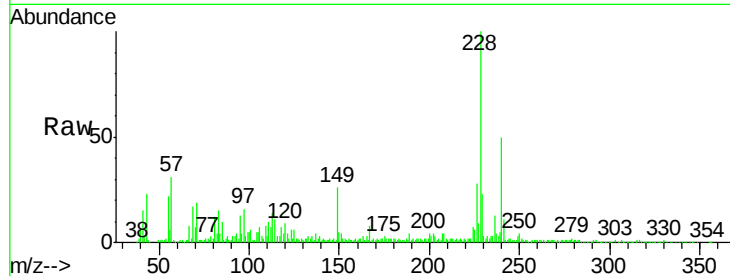
#81
Benzo(a)anthracene
Concen: 4.825 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF113270.D
Acq: 24 Mar 2019 16:17

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.4
229	23.1	16.0	24.0

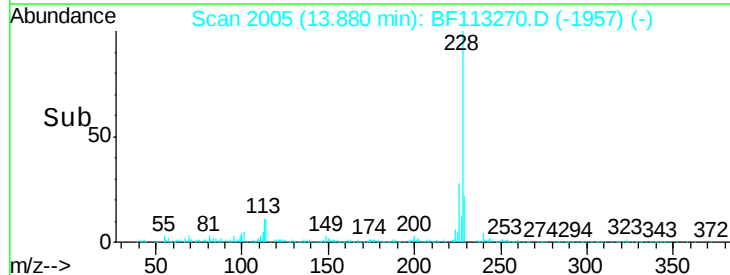
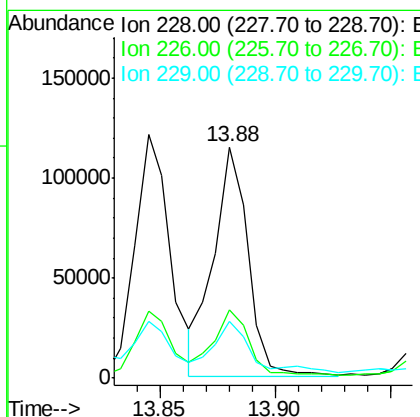
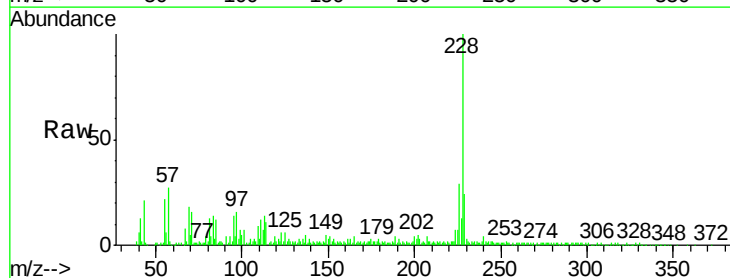
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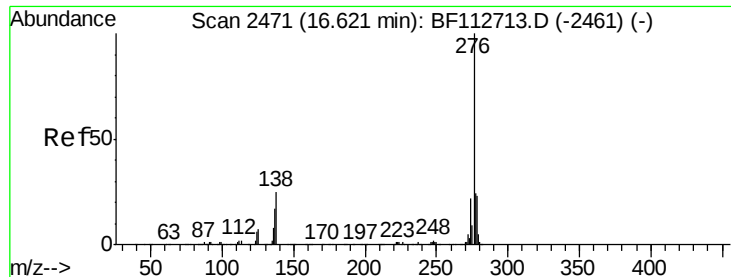
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#83
Chrysene
Concen: 4.459 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF113270.D
Acq: 24 Mar 2019 16:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.9	37.3
229	24.4	16.3	24.5





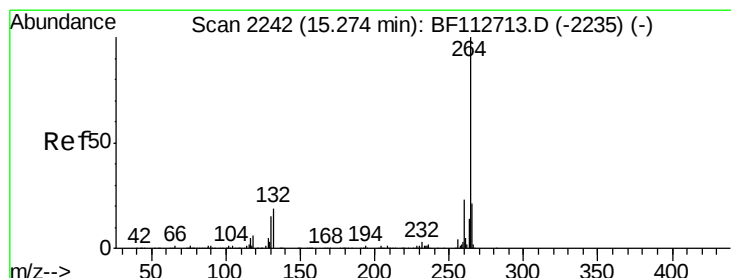
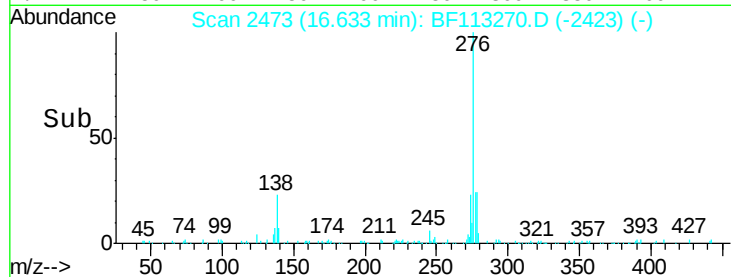
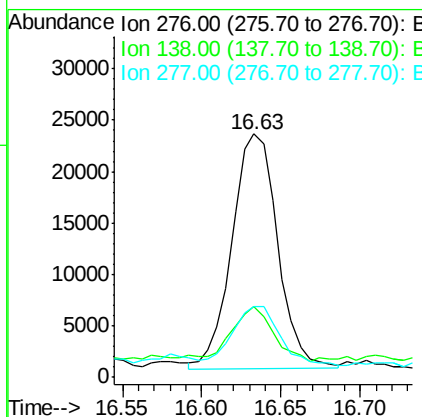
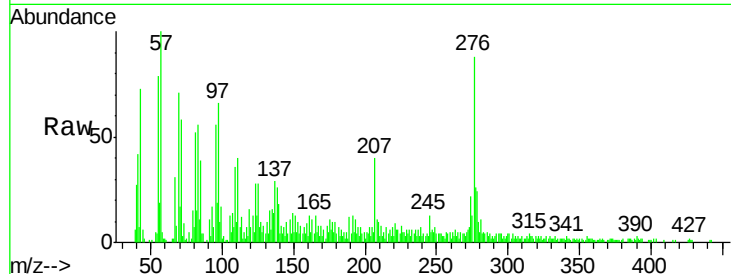
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.015 ng
 RT: 16.63 min Scan# 2473
 Delta R.T. -0.01 min
 Lab File: BF113270.D
 Acq: 24 Mar 2019 16:17

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-005-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	23.2	34.8#
277	26.6	19.9	29.9

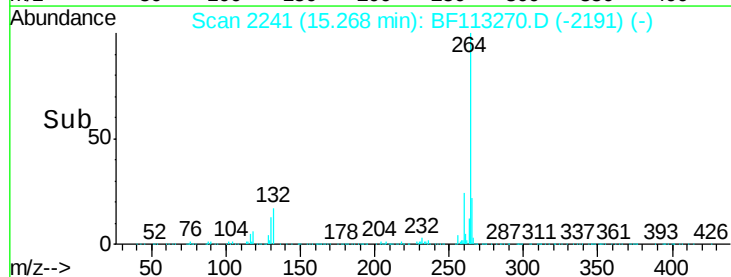
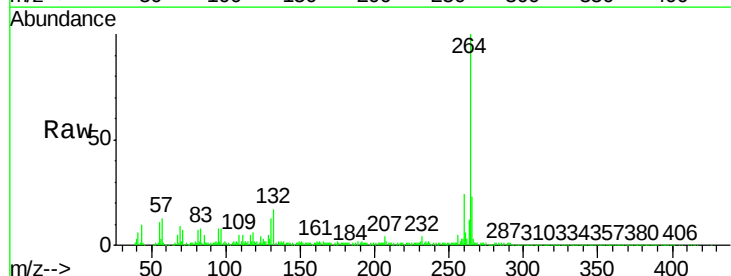
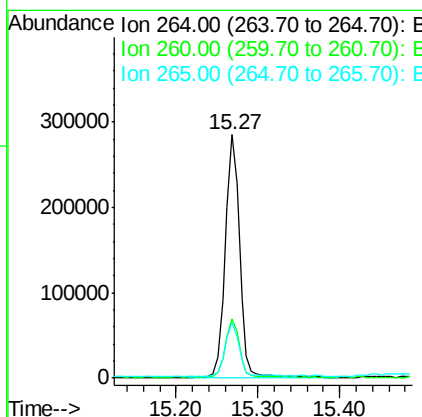
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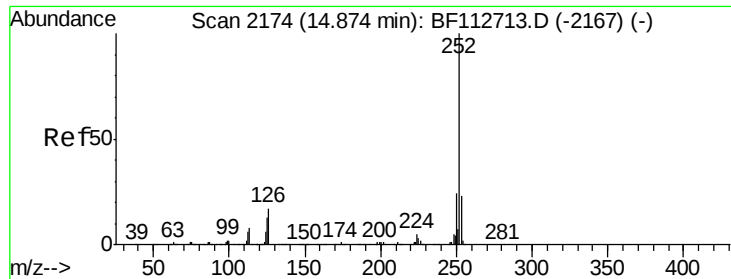
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF113270.D
 Acq: 24 Mar 2019 16:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.7	17.2	25.8





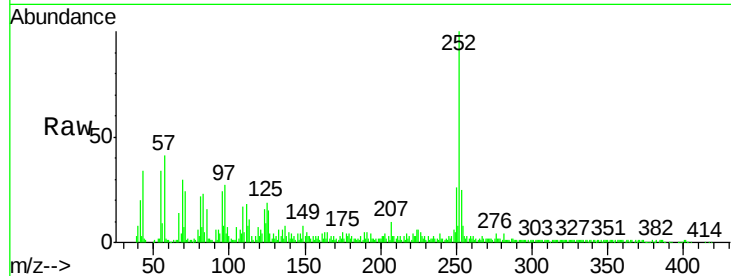
#88
Benzo(b)fluoranthene
Concen: 5.924 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113270.D
Acq: 24 Mar 2019 16:17

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

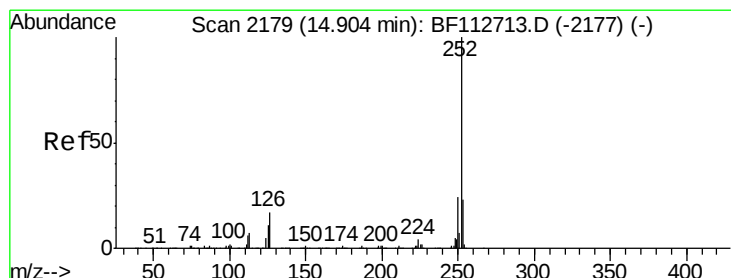
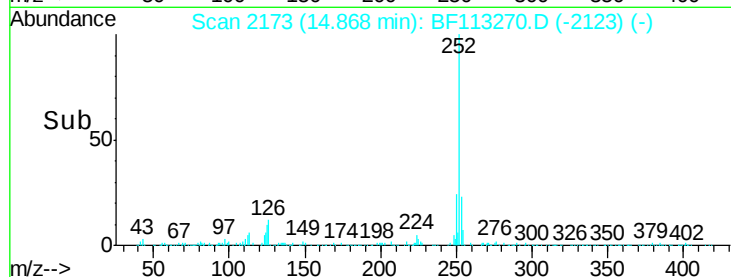
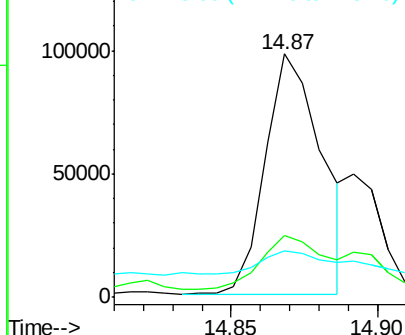
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.0	27.0
125	19.3	10.2	15.2

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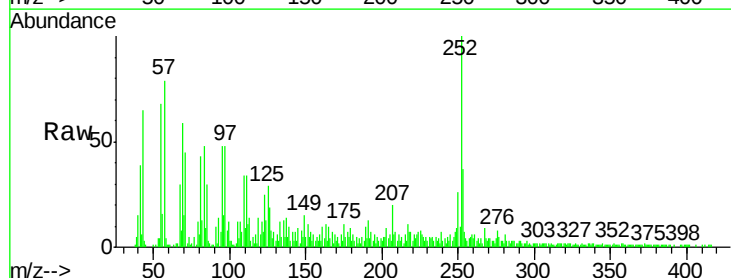


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

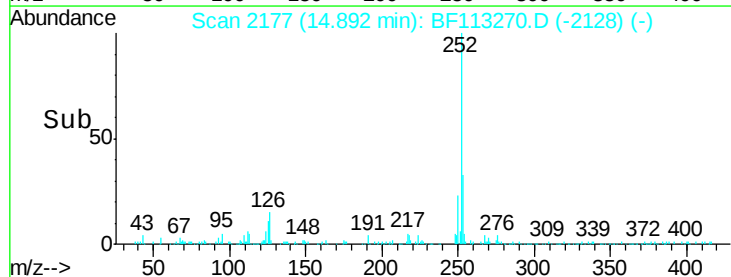
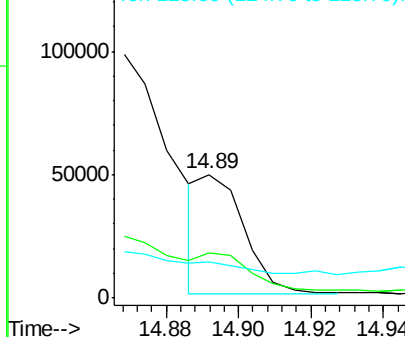


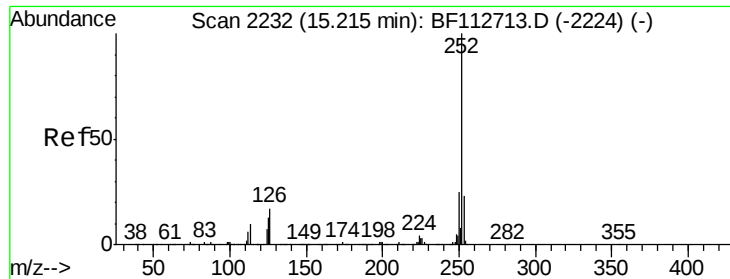
#89
Benzo(k)fluoranthene
Concen: 2.020 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF113270.D
Acq: 24 Mar 2019 16:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.1	18.2	27.2
125	29.4	9.8	14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





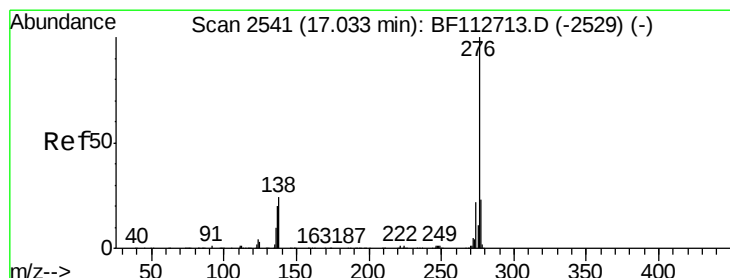
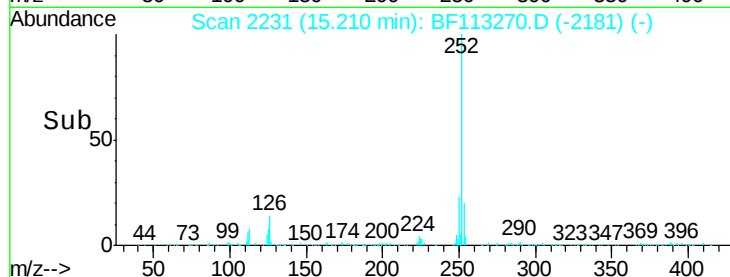
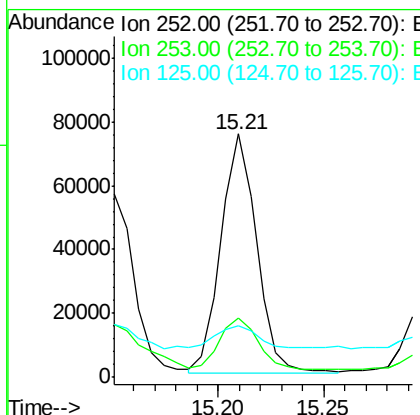
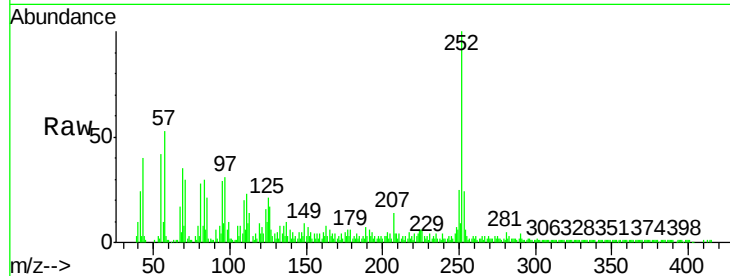
#90
Benzo(a)pyrene
Concen: 4.468 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113270.D
Acq: 24 Mar 2019 16:17

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	21.1	10.7	16.1

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#92
Benzo(g,h,i)perylene
Concen: 2.541 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.01 min
Lab File: BF113270.D
Acq: 24 Mar 2019 16:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.0	18.6	27.8
138	27.1	19.4	29.0

