

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114229.D
 Acq On : 13 May 2019 15:24
 Operator : JU/SJ
 Sample : K2764-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-1218-01

Manual Integrations
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Quant Time: May 14 05:32:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	302664	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1119914	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	530001	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	987488	20.00	ng	0.00
76) Chrysene-d12	14.02	240	585757	20.00	ng	0.00
87) Perylene-d12	15.51	264	668719	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	2144343	114.01	ng	0.02
7) Phenol-d6	6.51	99	2876975	129.33	ng	0.02
23) Nitrobenzene-d5	7.42	82	1811329	90.77	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	637222	116.30	ng	0.01
45) 2-Fluorobiphenyl	9.21	172	2468002	70.44	ng	0.00
79) Terphenyl-d14	12.96	244	1977628	69.60	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.75	152	118499	2.261	ng	98
50) Dimethylphthalate	9.60	163	387806	9.968	ng	99
71) Phenanthrene	11.40	178	660902	13.757	ng	97
75) Fluoranthene	12.59	202	846568	16.363	ng	98
78) Pyrene	12.82	202	1389932	29.497	ng	99
81) Benzo(a)anthracene	14.01	228	421062m	11.114	ng	
83) Chrysene	14.04	228	485308	13.067	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	164081	4.999	ng	96
88) Benzo(b)fluoranthene	15.08	252	499787m	11.666	ng	
89) Benzo(k)fluoranthene	15.10	252	117697m	2.991	ng	
90) Benzo(a)pyrene	15.44	252	329196	8.731	ng	97
92) Benzo(a,h,i)perylene	17.44	276	212831	6.778	ng	97

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

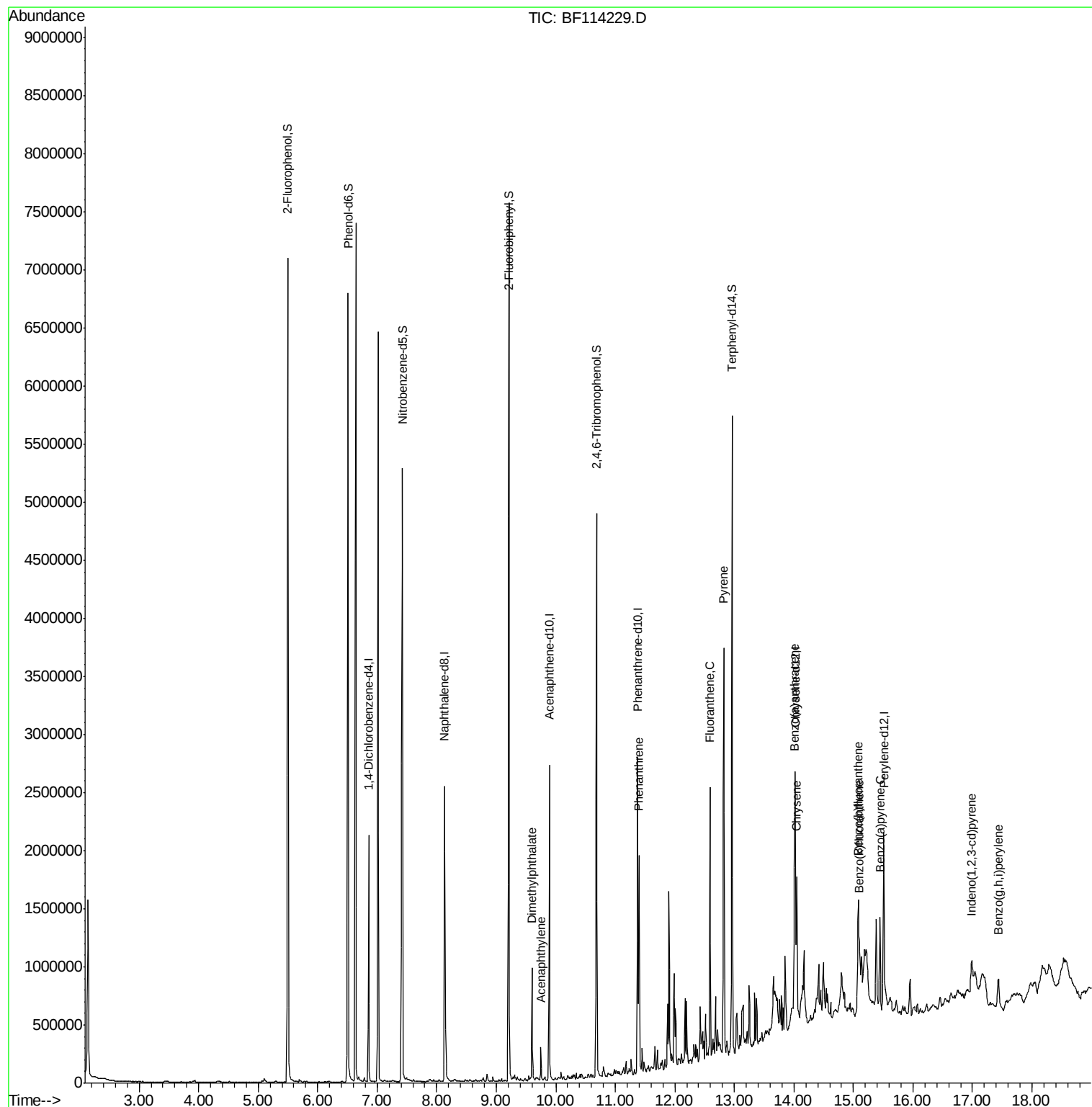
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114229.D
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ALS Vial : 10 Sample Multiplier: 1

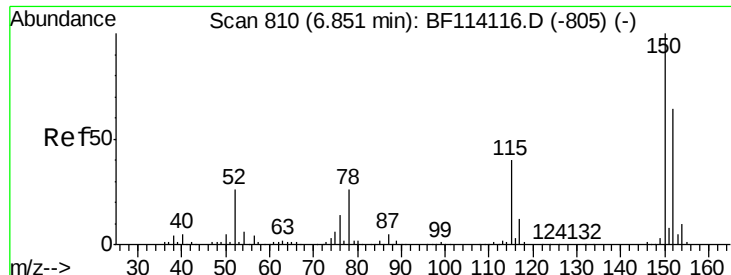
Instrument :
BNA_F
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P026-SS002-1218-01

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Quant Time: May 14 05:32:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





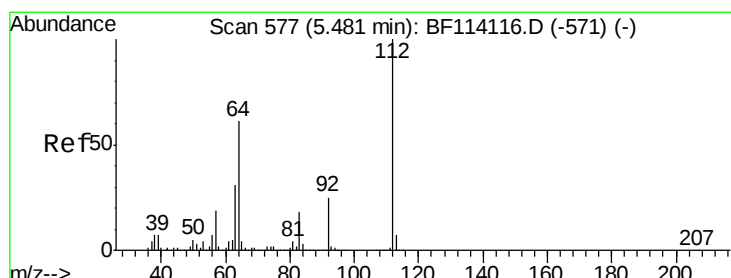
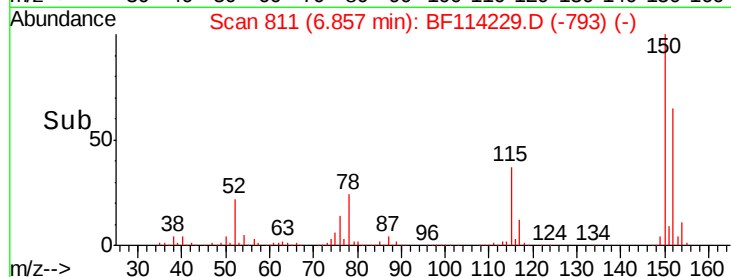
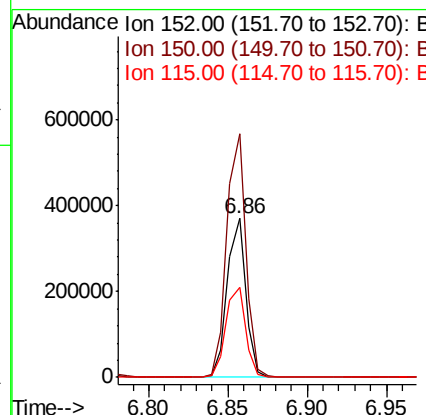
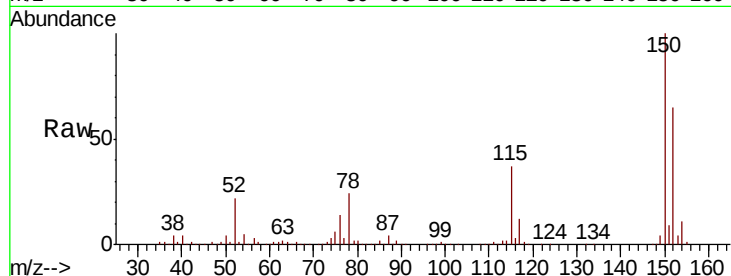
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: BF114229.D
 Acq: 13 May 2019 15:24

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-1218-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.3	186.5
115	56.4	49.1	73.7

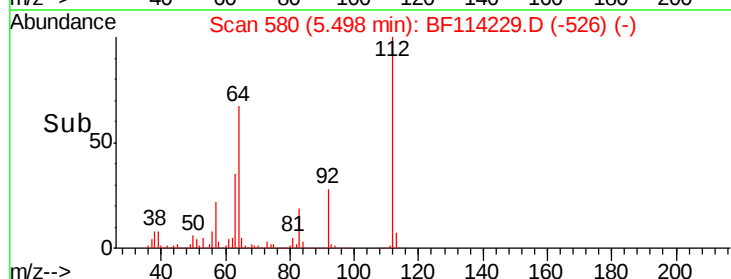
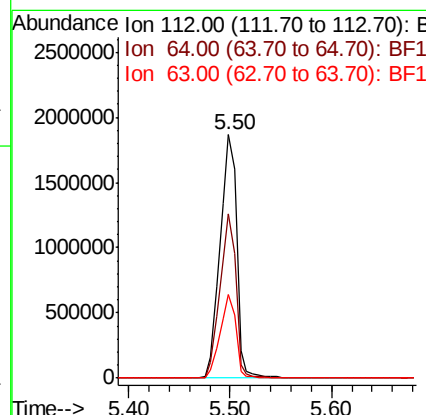
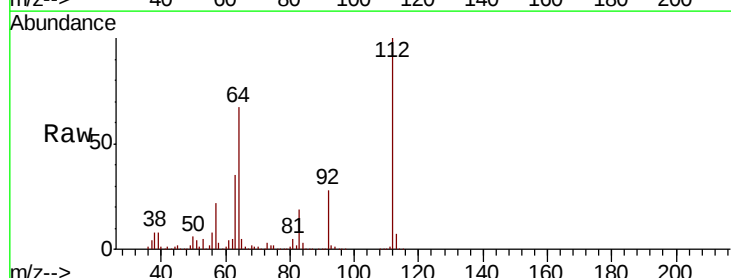
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#5
 2-Fluorophenol
 Concen: 114.014 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.02 min
 Lab File: BF114229.D
 Acq: 13 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	49.0	73.6
63	34.5	24.6	37.0





#7

Phenol-d6

Concen: 129.335 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.02 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1218-01

Tot Ion: 99 Resp: 2876975

Ion Ratio Lower Upper

99 100

42 23.0 17.9 26.9

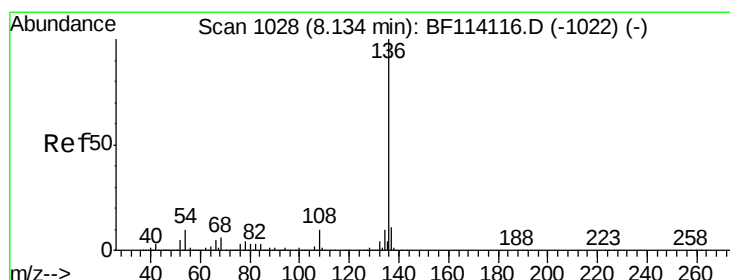
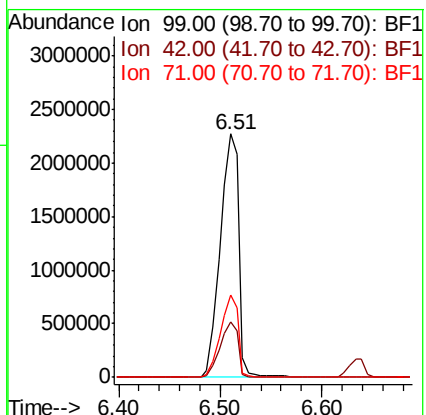
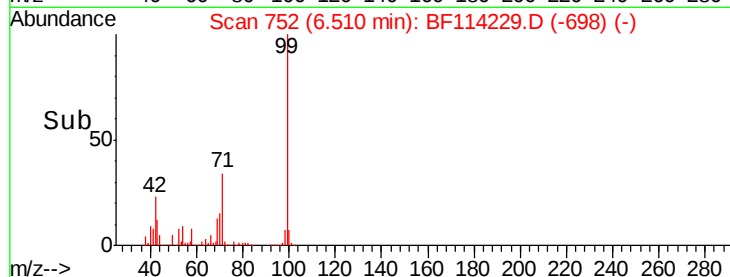
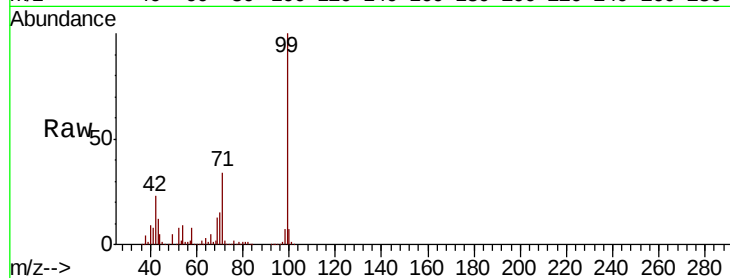
71 33.8 26.2 39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Tgt Ion: 136 Resp: 1119914

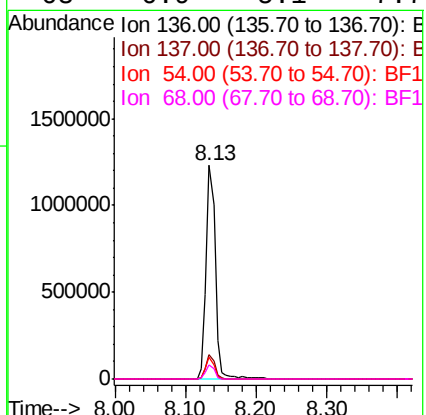
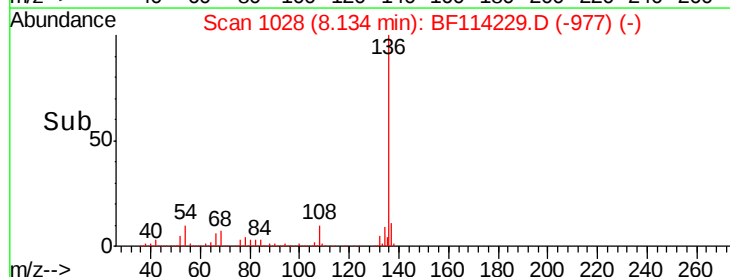
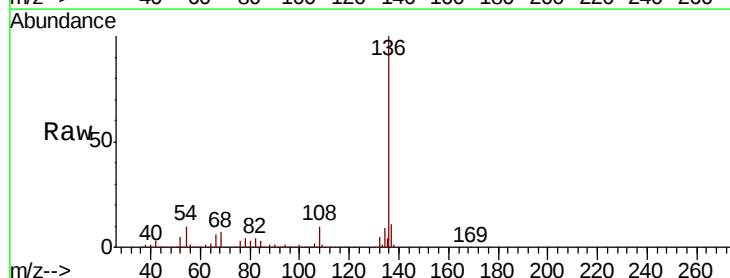
Ion Ratio Lower Upper

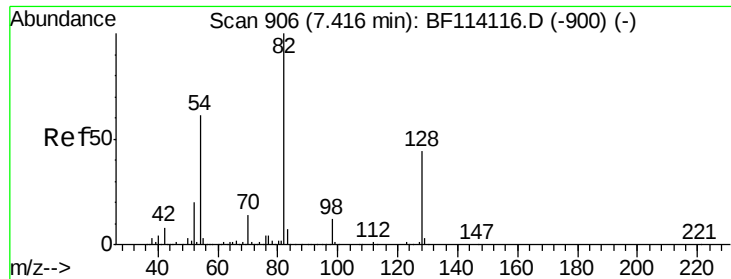
136 100

137 11.5 8.8 13.2

54 10.0 7.8 11.8

68 6.9 5.1 7.7





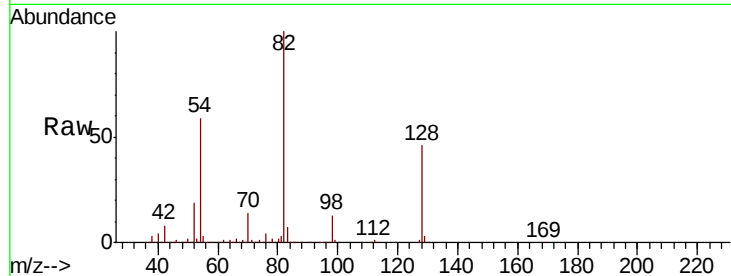
#23
Nitrobenzene-d5
Concen: 90.768 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.01 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	35.5	53.3
54	59.2	48.5	72.7

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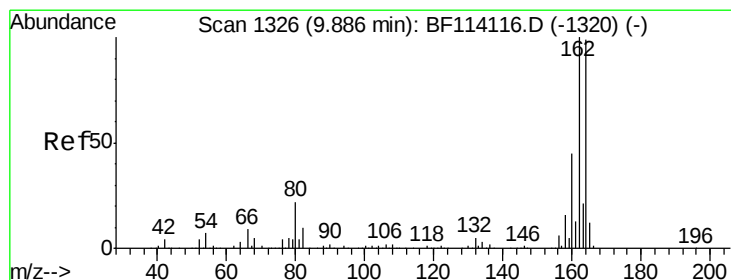
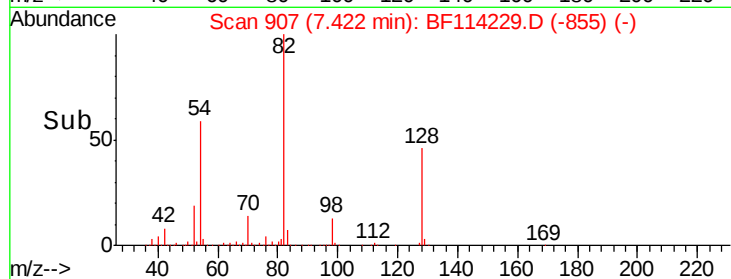
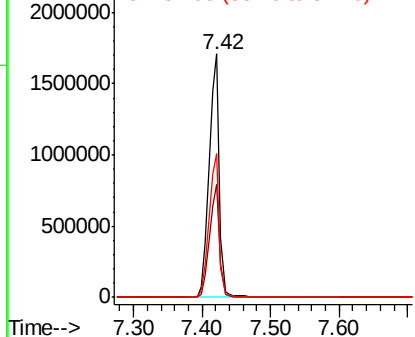


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

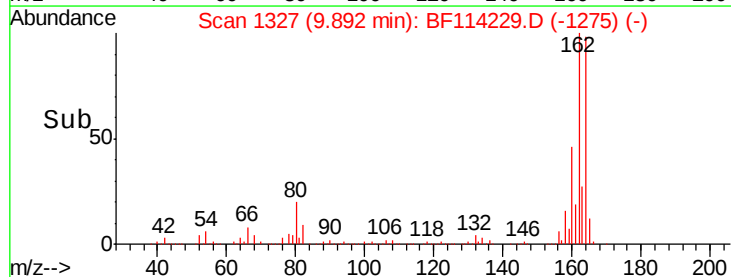
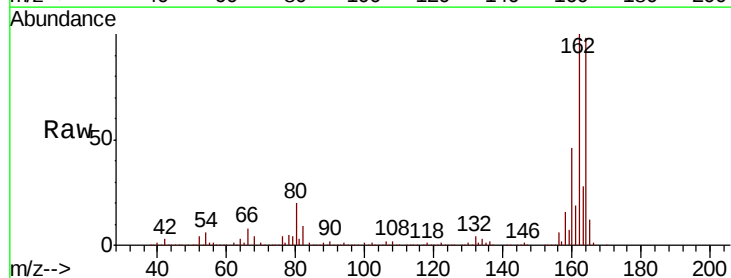
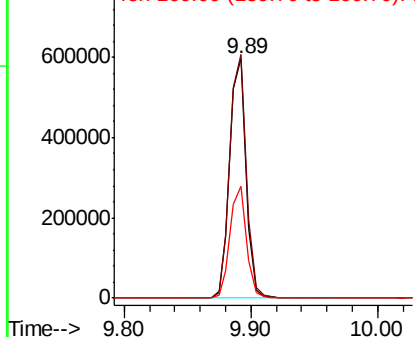
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	120.8
160	46.4	36.5	54.7

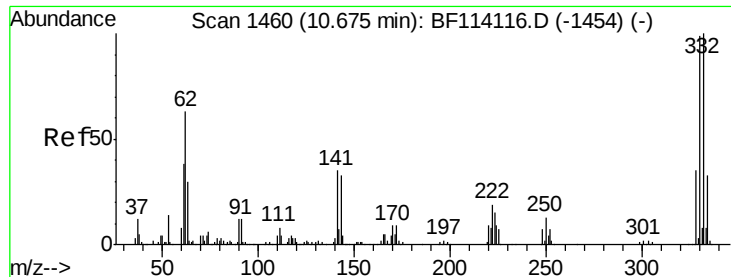
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 116.296 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.01 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Instrument :

BNA_F

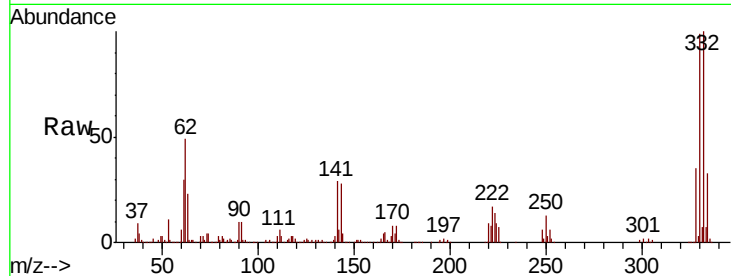
ClientSampleId :

P026-SS002-1218-01

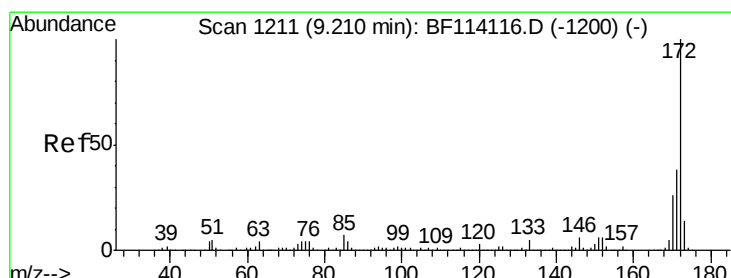
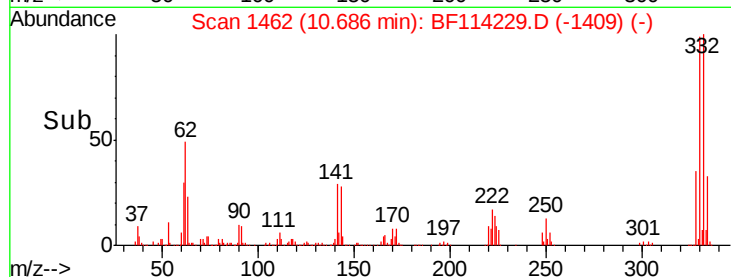
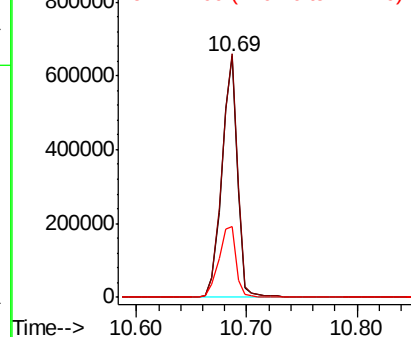
Tot Ion:	330	Resp:	637222
Ion Ratio	Lower	Upper	
330	100		
332	101.5	81.4	122.2
141	31.9	26.6	40.0

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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: 70.439 ng

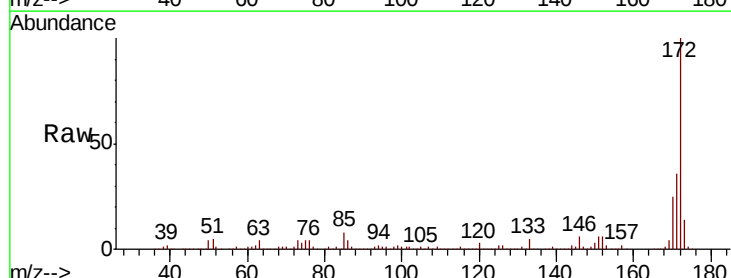
RT: 9.21 min Scan# 1211

Delta R.T. -0.00 min

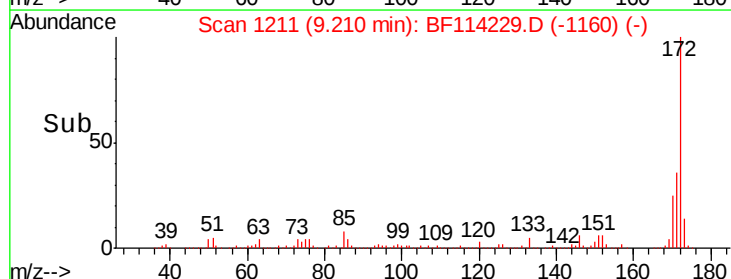
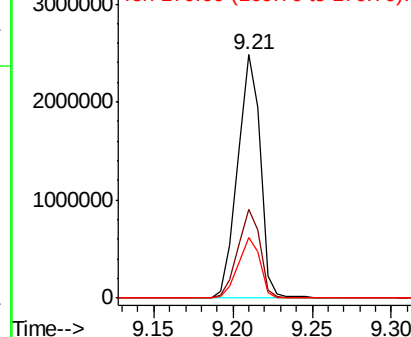
Lab File: BF114229.D

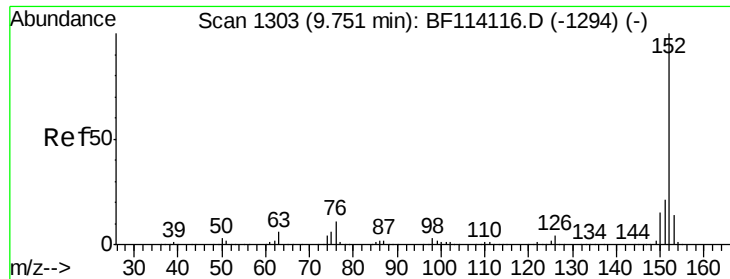
Acq: 13 May 2019 15:24

Tgt Ion:	172	Resp:	2468002
Ion Ratio	Lower	Upper	
172	100		
171	36.4	30.7	46.1
170	24.7	20.5	30.7



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





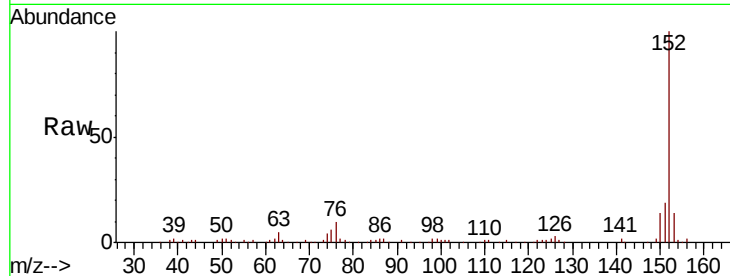
#49
Acenaphthylene
Concen: 2.261 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-01

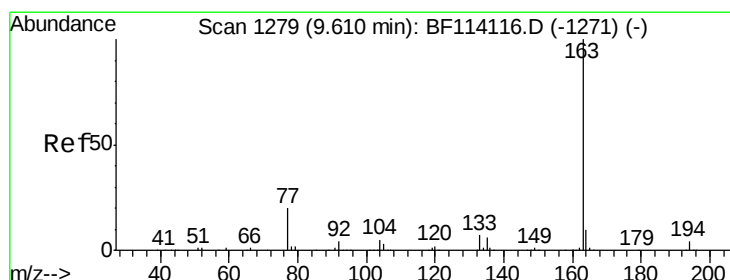
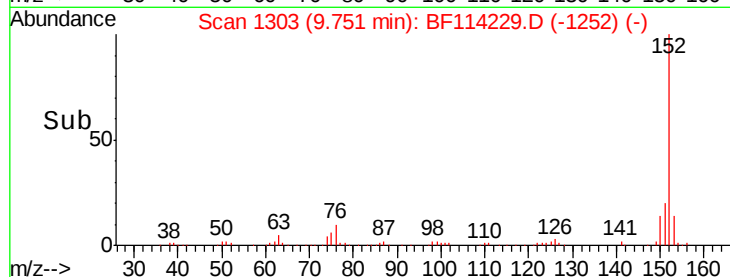
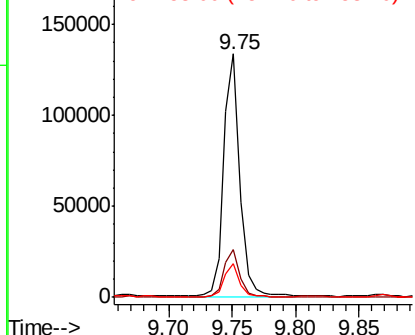
Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.8	25.2
153	13.8	11.4	17.2

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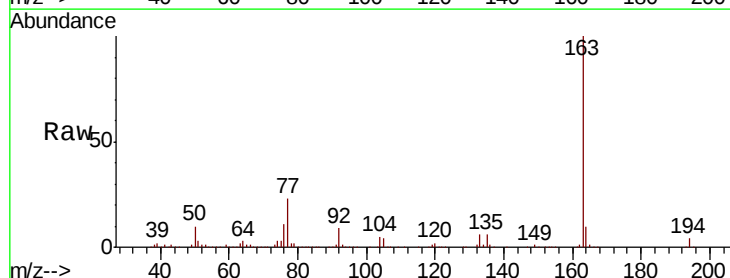


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

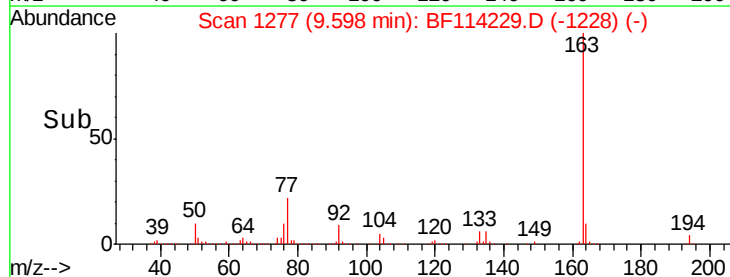
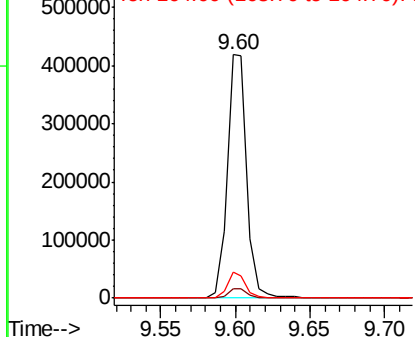


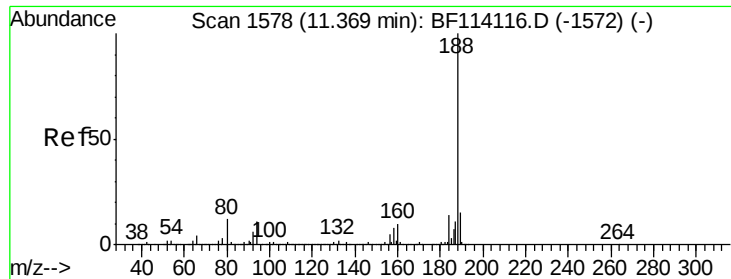
#50
Dimethylphthalate
Concen: 9.968 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.5	8.2	12.2



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: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Instrument :

BNA_F

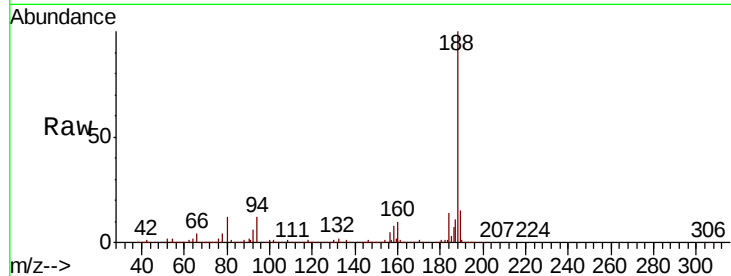
ClientSampleId :

P026-SS002-1218-01

Tot Ion:	188	Resp:	987488
Ion Ratio	Lower	Upper	
188	100		
94	11.6	8.4	12.6
80	11.9	9.2	13.8

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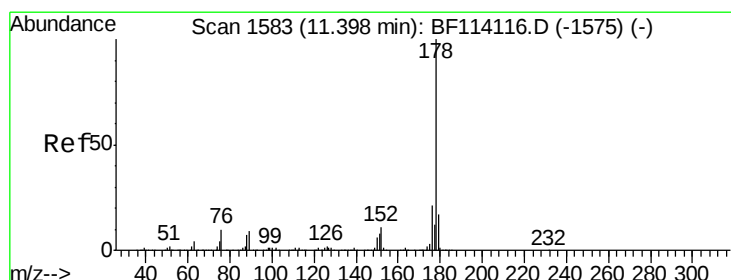
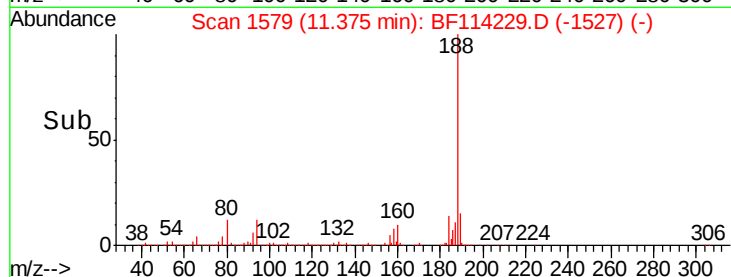
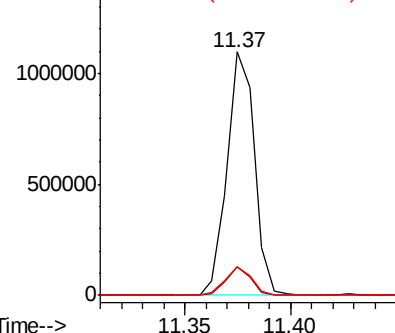
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 13.757 ng

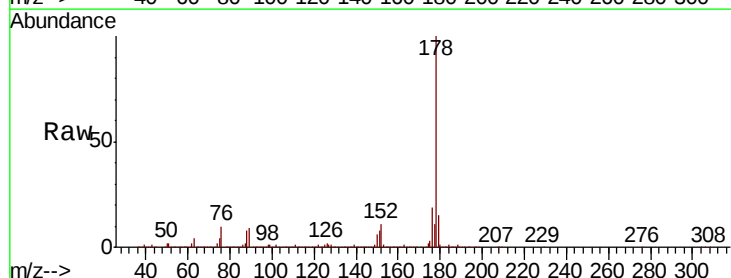
RT: 11.40 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

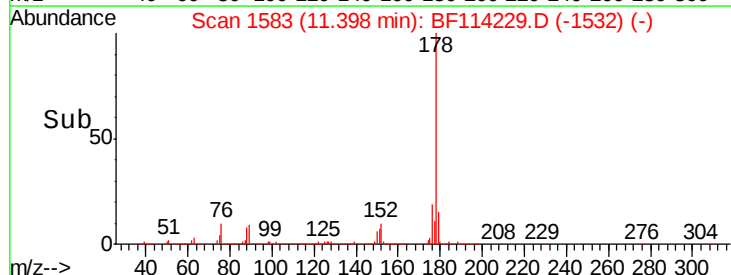
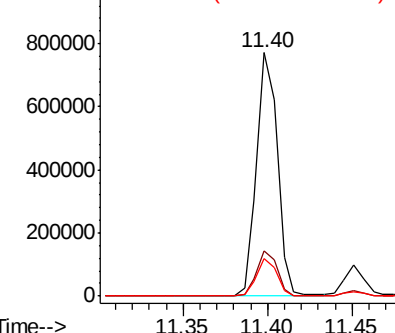
Tgt Ion:	178	Resp:	660902
Ion Ratio	Lower	Upper	
178	100		
176	18.6	16.4	24.6
179	15.4	13.2	19.8

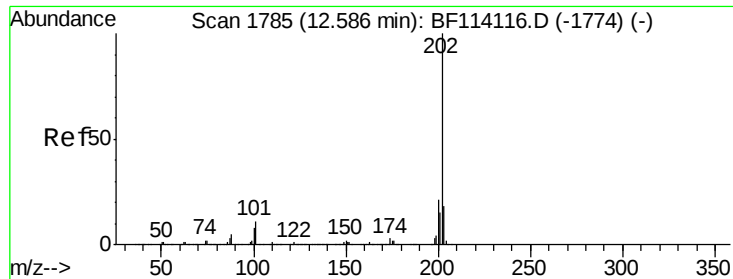


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 16.363 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Instrument :

BNA_F

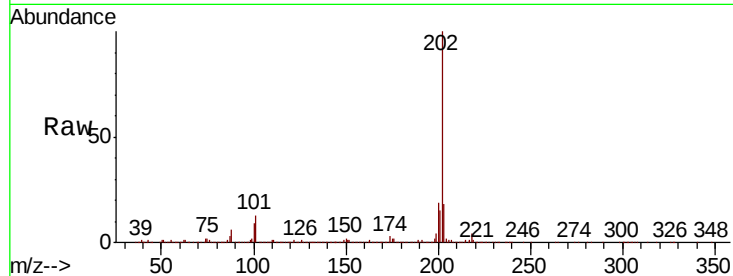
ClientSampleId :

P026-SS002-1218-01

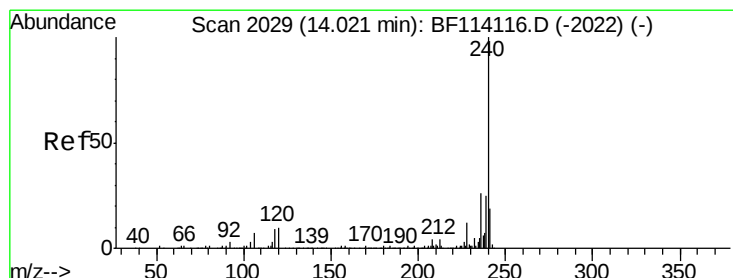
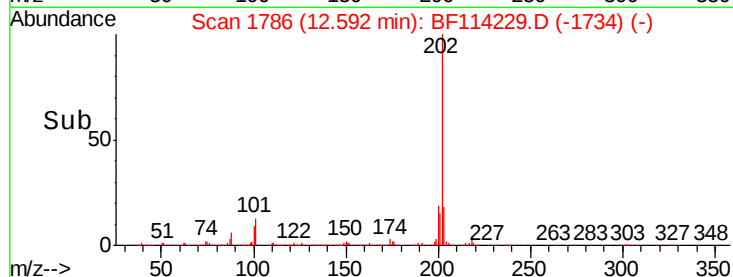
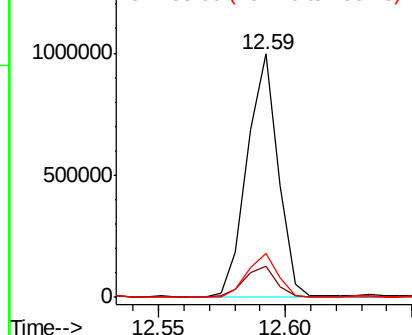
Tot Ion:	202	Resp:	846568
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	31.0
203	17.8	0.0	38.4

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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

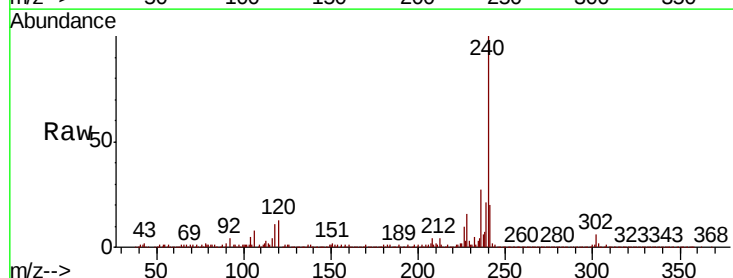
RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

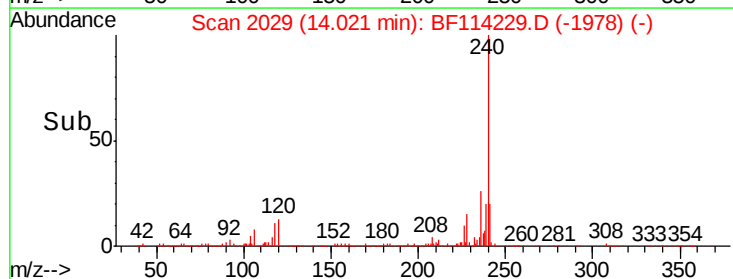
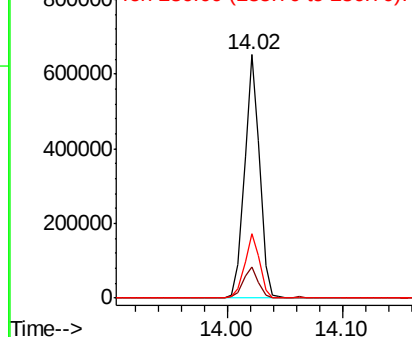
Lab File: BF114229.D

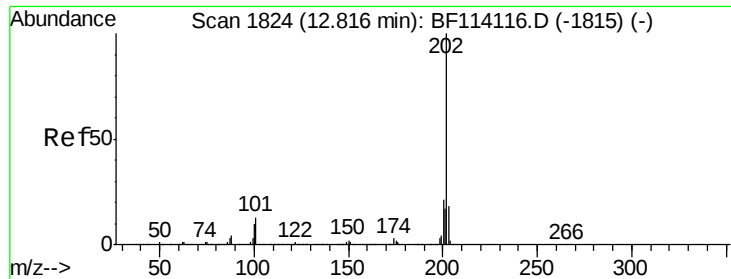
Acq: 13 May 2019 15:24

Tgt Ion:	240	Resp:	585757
Ion Ratio	Lower	Upper	
240	100		
120	13.0	8.3	12.5#
236	26.6	20.8	31.2



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





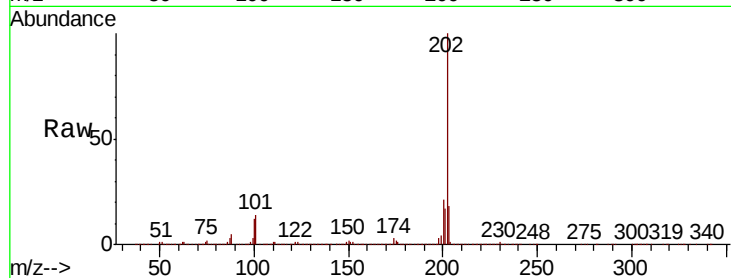
#78
Pvrene
Concen: 29.497 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.01 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-01

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	18.1	14.5	21.7

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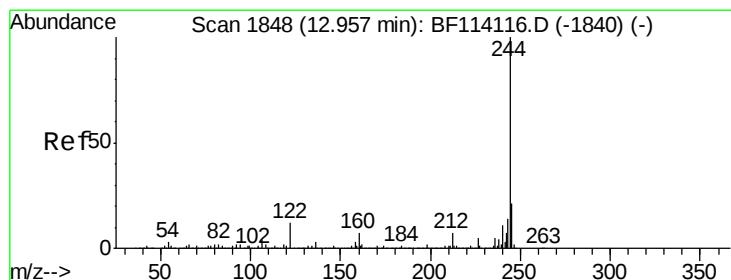
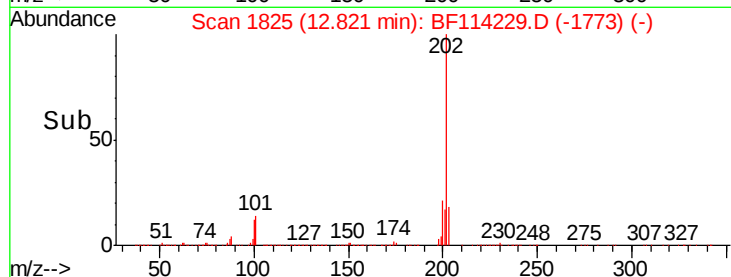
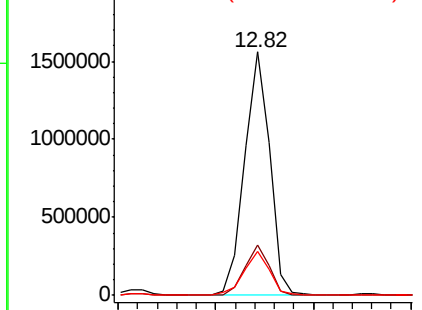


Abundance

Ion 202.00 (201.70 to 202.70): E

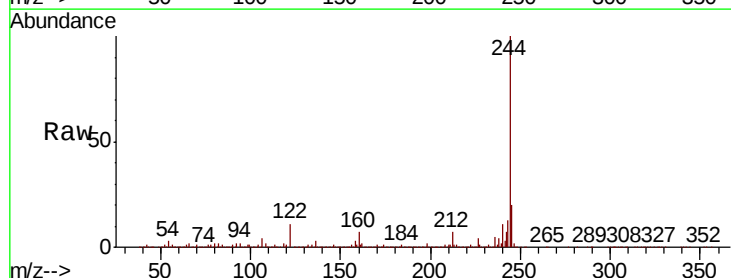
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 69.598 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	11.3	9.4	14.2

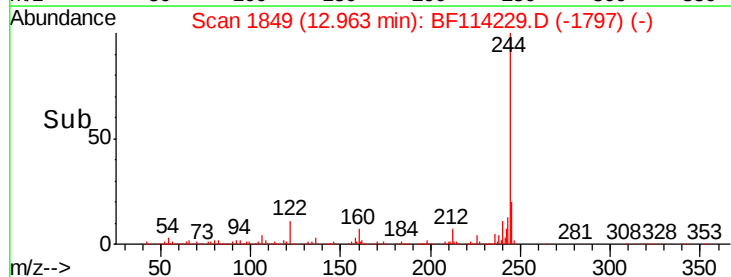
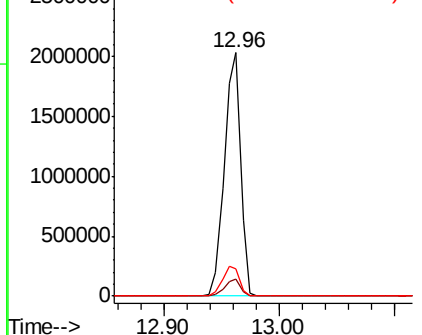


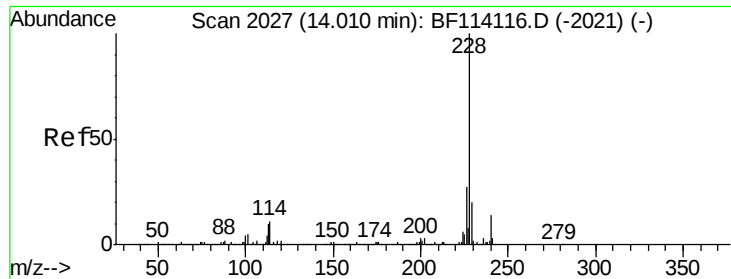
Abundance

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





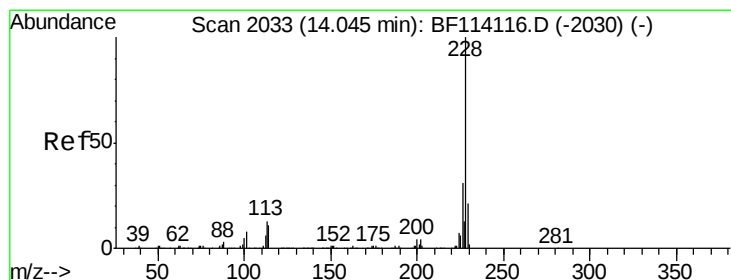
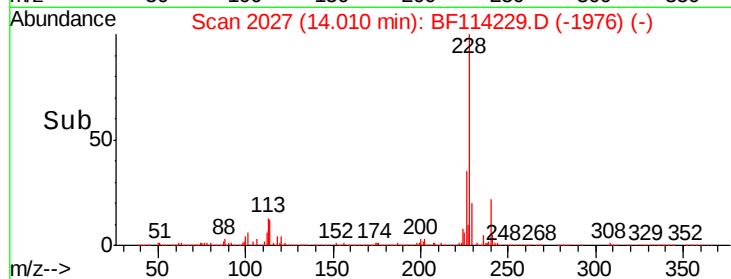
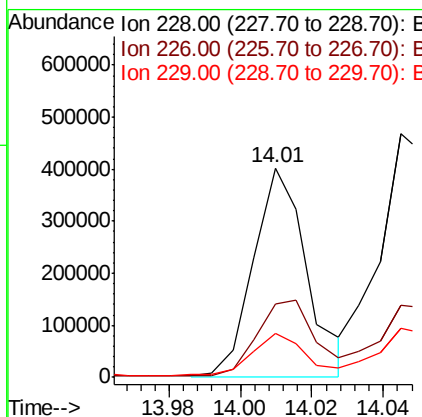
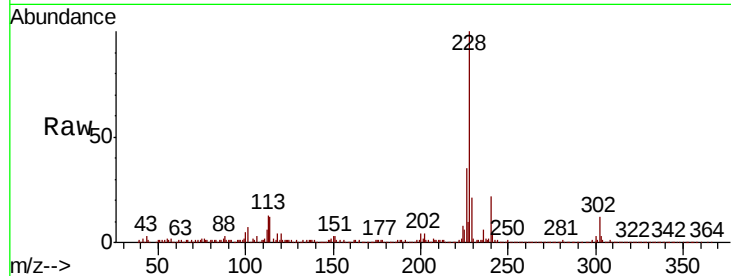
#81
Benzo(a)anthracene
Concen: 11.114 ng m
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.3	22.2	33.2#
229	20.8	16.4	24.6

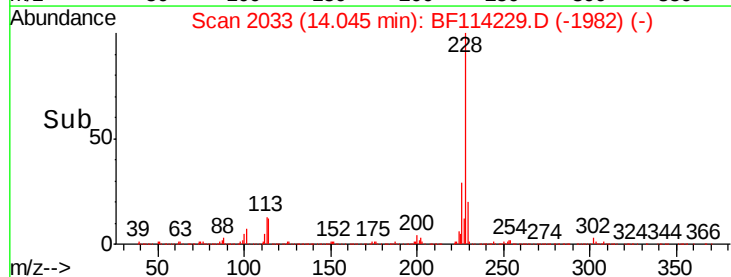
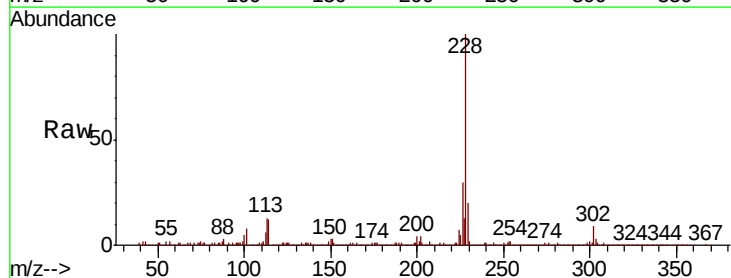
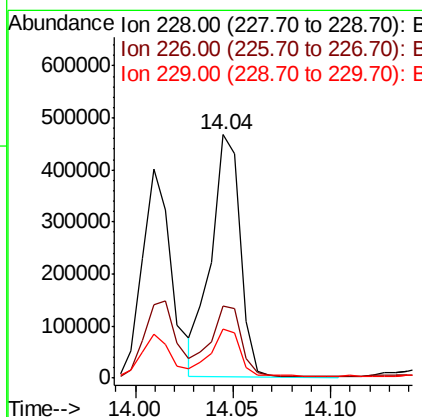
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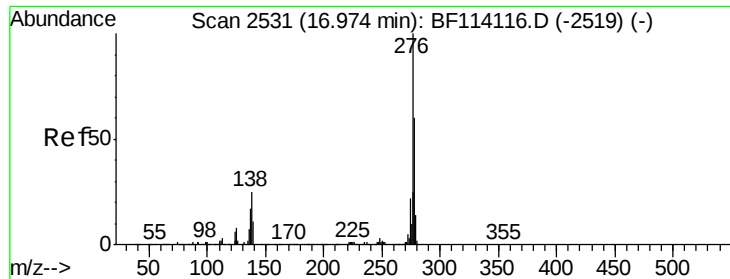
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#83
Chrysene
Concen: 13.067 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	20.4	17.0	25.6





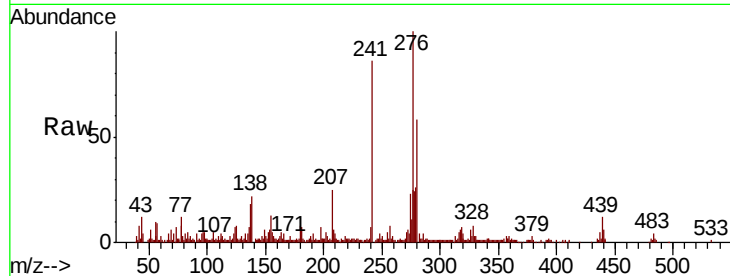
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.999 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	20.2	30.2
277	23.6	20.0	30.0

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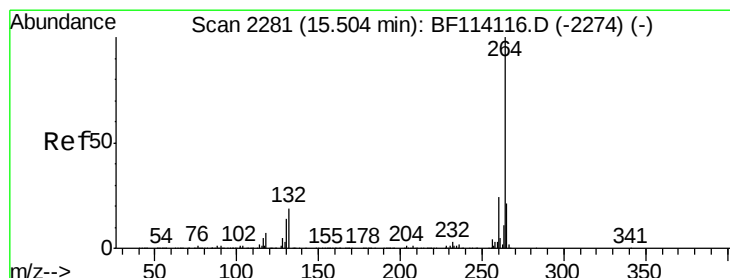
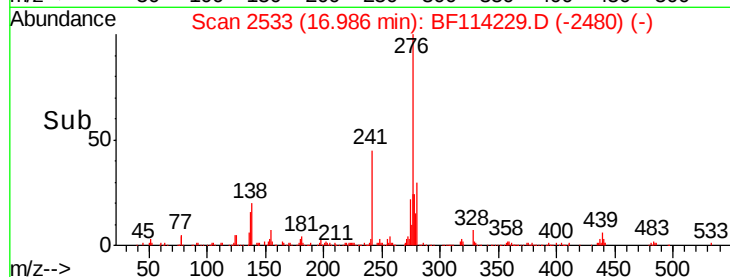
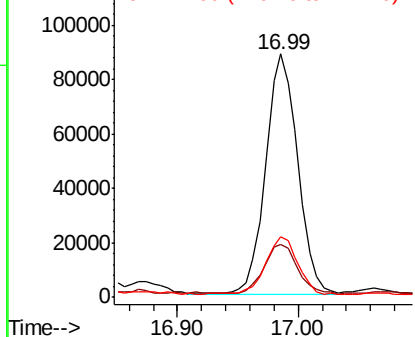


Abundance

Ion 276.00 (275.70 to 276.70): E

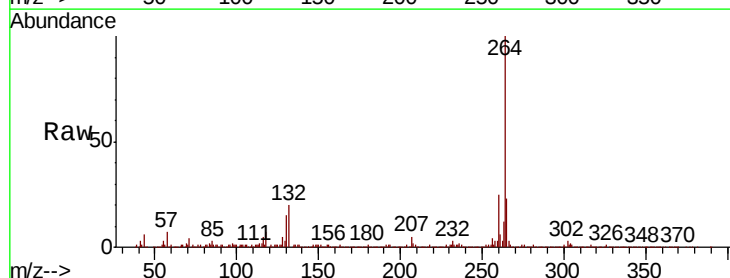
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	23.3	16.9	25.3

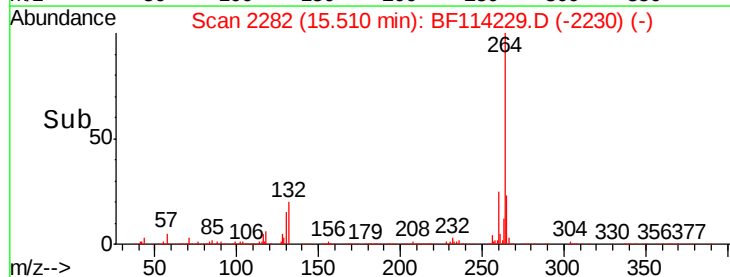
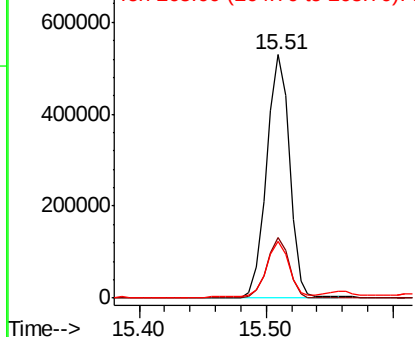


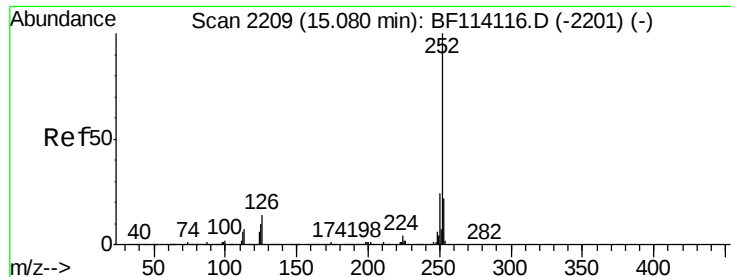
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 11.666 ng m

RT: 15.08 min Scan# 2209

Delta R.T. 0.00 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Instrument :

BNA_F

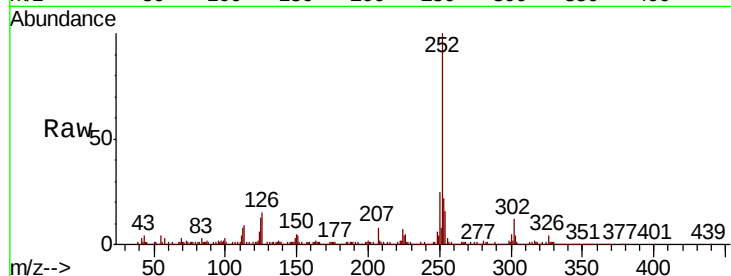
ClientSampleId :

P026-SS002-1218-01

Tot Ion:	252	Resp:	499787
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.8	26.8
125	13.4	8.3	12.5#

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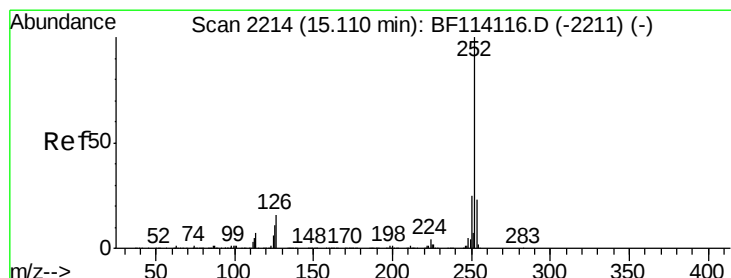
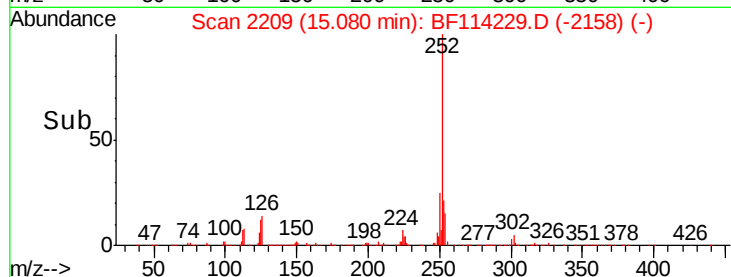
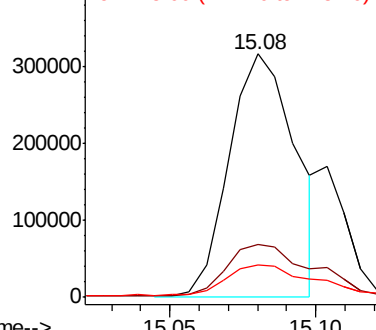


Abundance

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: 2.991 ng m

RT: 15.10 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

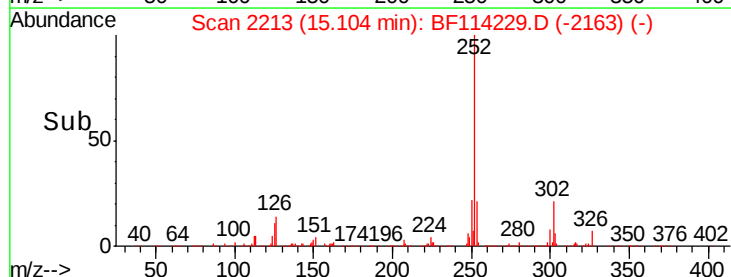
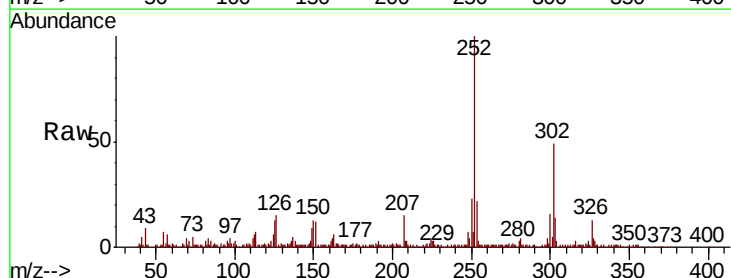
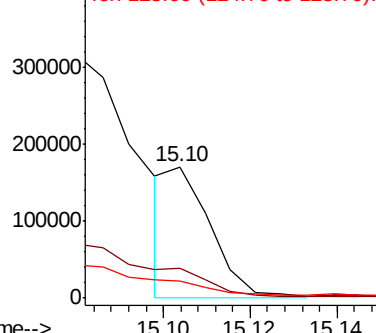
Tgt Ion:	252	Resp:	117697
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.2	27.2
125	12.7	8.6	13.0

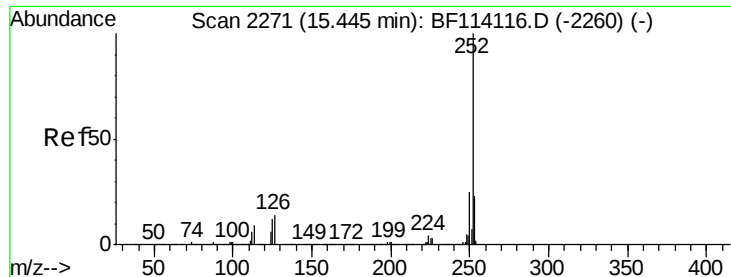
Abundance

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





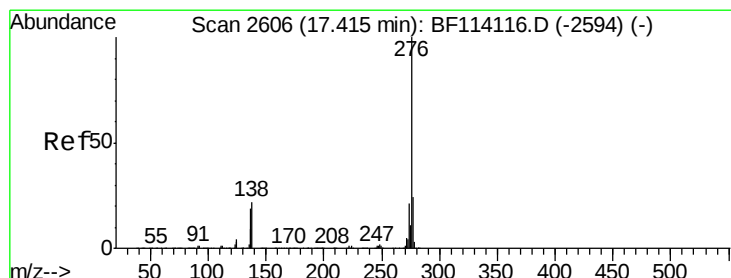
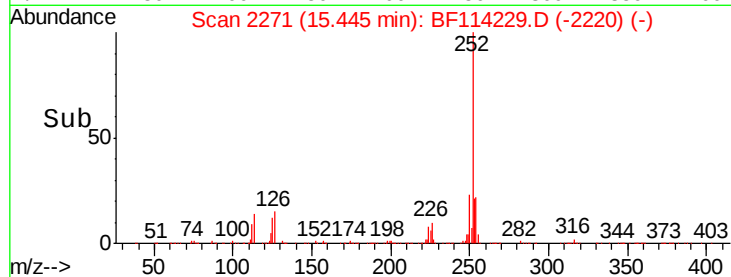
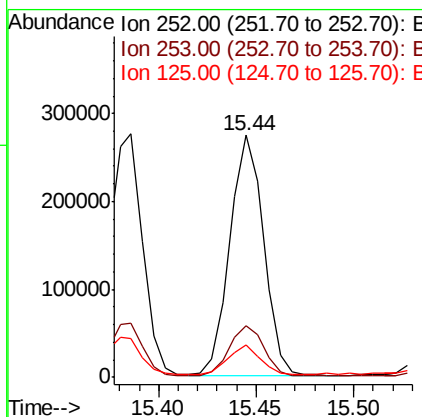
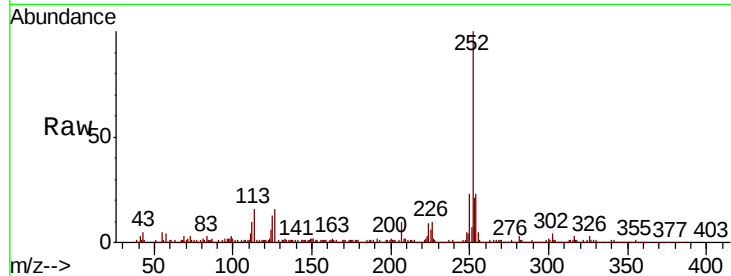
#90
Benzo(a)pyrene
Concen: 8.731 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-01

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.3	18.1	27.1
125	13.4	9.5	14.3

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#92
Benzo(g,h,i)perylene
Concen: 6.778 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.02 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.6	19.0	28.4
138	24.1	17.8	26.6

