

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114241.D
 Acq On : 13 May 2019 20:37
 Operator : JU/SJ
 Sample : K2766-21
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS009-1218-01

Manual Integrations
 APPROVED

Sohil
 5/14/2019 8:03:25 PM

Quant Time: May 14 08:00:22 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	248713	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	936063	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	427161	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	755191	20.00	ng	0.01
76) Chrysene-d12	14.03	240	498525	20.00	ng	0.00
87) Perylene-d12	15.52	264	556135	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1580156	102.24	ng	0.02
7) Phenol-d6	6.51	99	2104065	115.11	ng	0.02
23) Nitrobenzene-d5	7.42	82	1295587	77.67	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	436406	98.82	ng	0.01
45) 2-Fluorobiphenyl	9.21	172	1995227	70.66	ng	0.00
79) Terphenyl-d14	12.96	244	1585933	65.58	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	90999	2.081	ng	96
49) Acenaphthylene	9.75	152	247892	5.869	ng	99
50) Dimethylphthalate	9.60	163	349211	11.136	ng	98
71) Phenanthrene	11.40	178	757801	20.625	ng	97
72) Anthracene	11.45	178	160602	4.352	ng	97
75) Fluoranthene	12.59	202	1224873	30.958	ng	98
78) Pyrene	12.83	202	2092634	52.180	ng	100
81) Benzo(a)anthracene	14.02	228	794728m	24.647	ng	
83) Chrysene	14.05	228	901224	28.512	ng	98
86) Indeno(1,2,3-cd)pyrene	17.00	276	355175	12.714	ng	97
88) Benzo(b)fluoranthene	15.09	252	891669m	25.026	ng	
89) Benzo(k)fluoranthene	15.10	252	321200m	9.814	ng	
90) Benzo(a)pyrene	15.45	252	602494	19.214	ng	99
91) Dibenzo(a,h)anthracene	17.00	278	100925m	3.873	ng	
92) Benzo(a,h,i)perylene	17.44	276	394357	15.103	ng	98

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

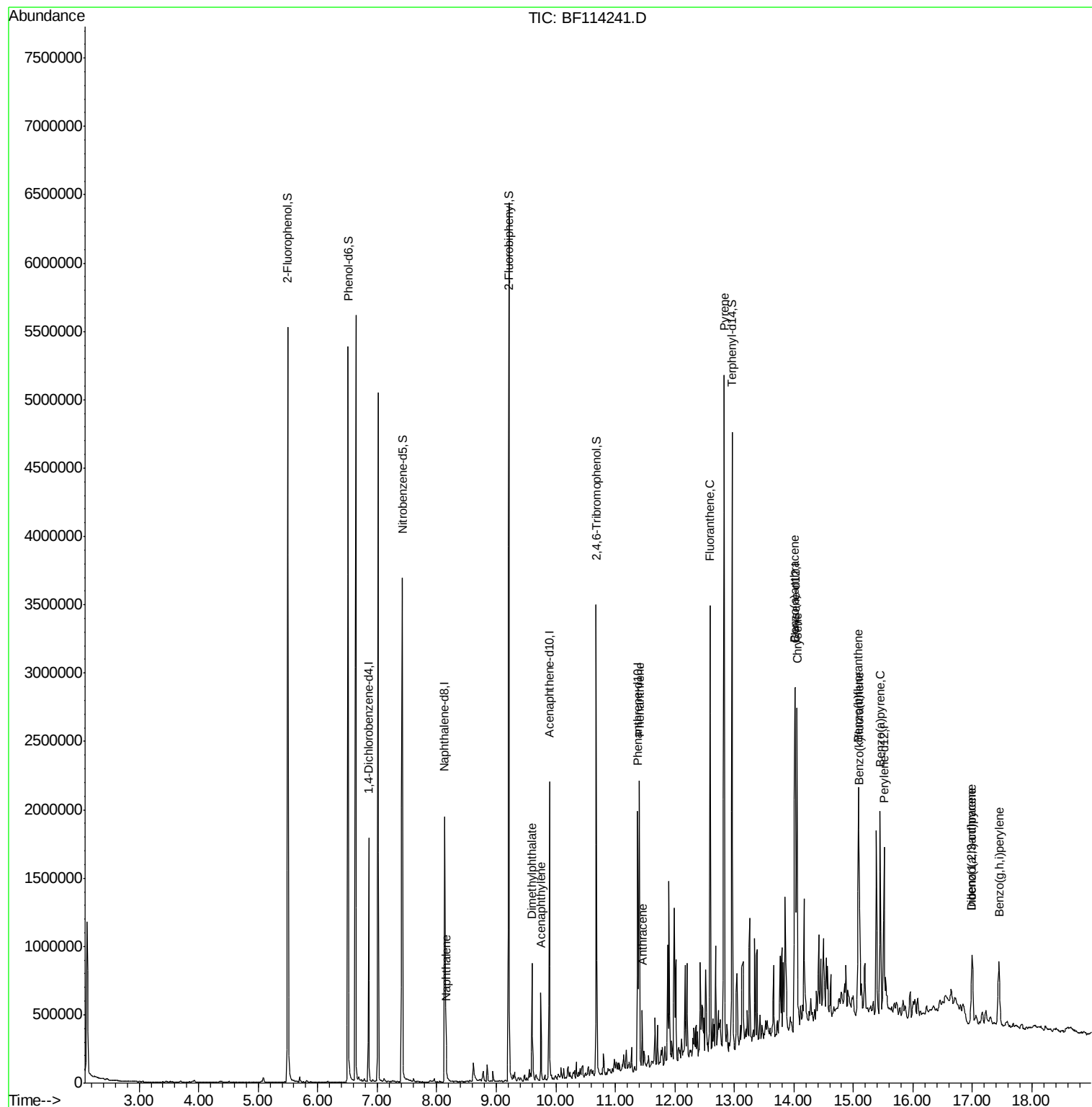
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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Quant Time: May 14 08:00:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

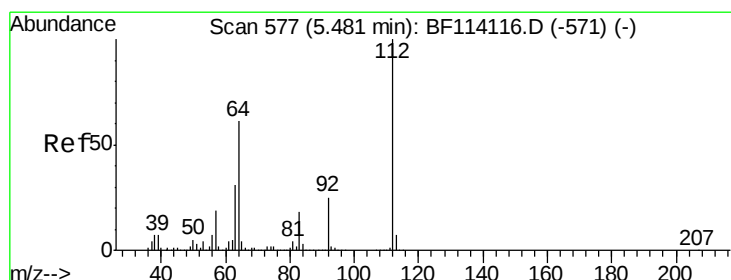
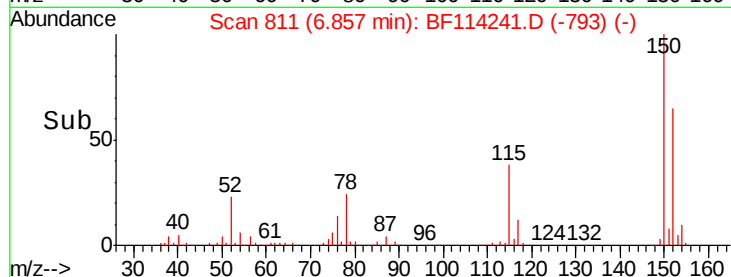
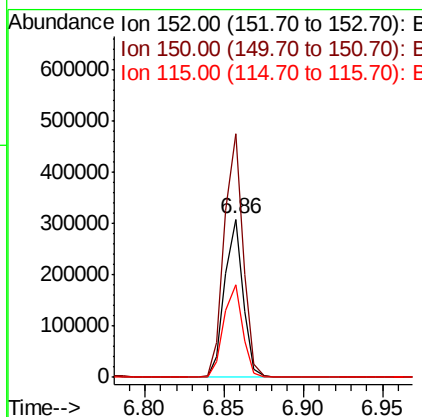
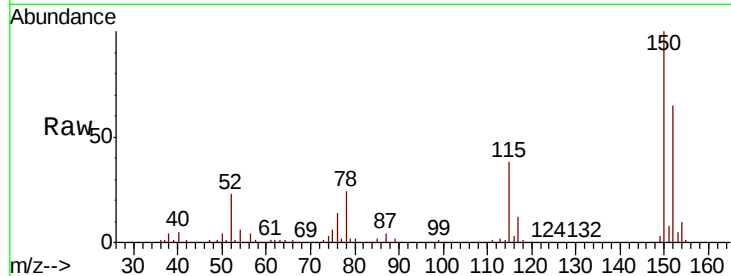
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114241.D
Acq: 13 May 2019 20:37

Instrument :
BNA_F
ClientSampleId :
P026-SS009-1218-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.3	186.5
115	58.4	49.1	73.7

Manual Integrations
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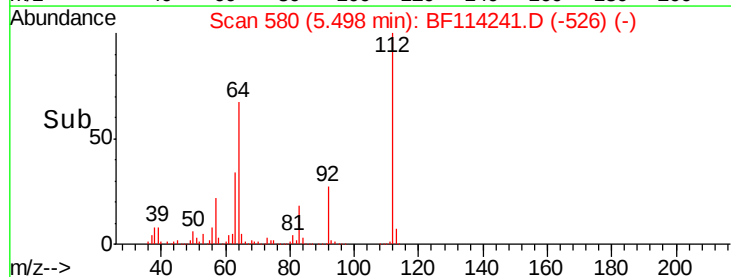
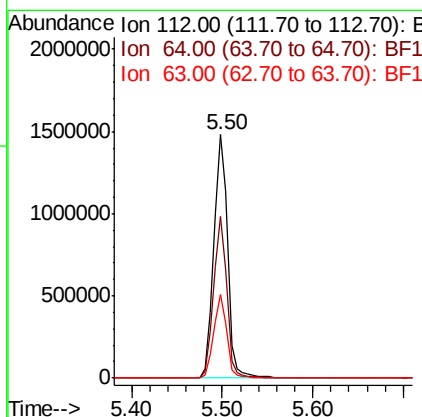
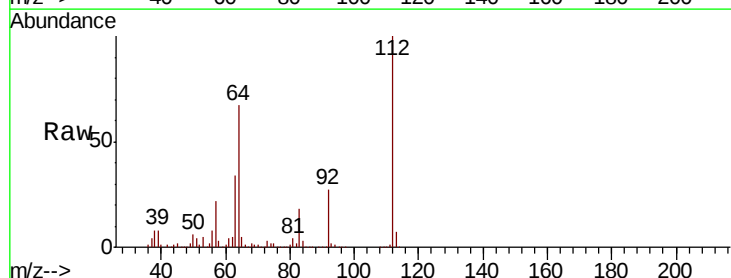
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#5

2-Fluorophenol
Concen: 102.242 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.02 min
Lab File: BF114241.D
Acq: 13 May 2019 20:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	49.0	73.6
63	34.2	24.6	37.0





#7

Phenol-d6

Concen: 115.107 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.02 min

Lab File: BF114241.D

Acq: 13 May 2019 20:37

Instrument :

BNA_F

ClientSampleId :

P026-SS009-1218-01

Tot Ion: 99 Resp: 2104065

Ion Ratio Lower Upper

99 100

42 22.7 17.9 26.9

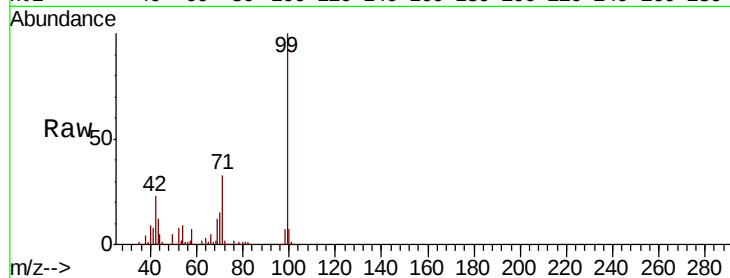
71 33.1 26.2 39.2

Manual Integrations

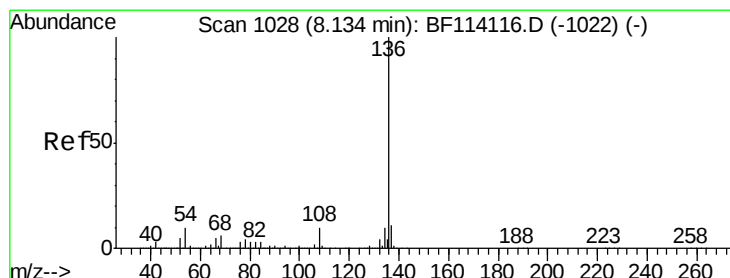
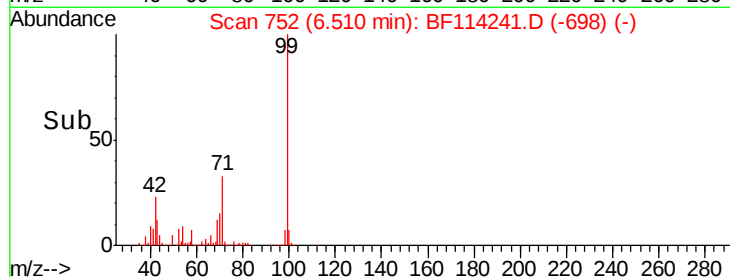
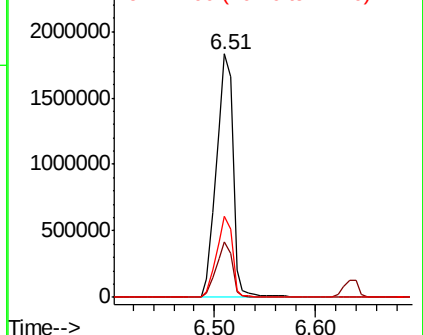
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114241.D

Acq: 13 May 2019 20:37

Tgt Ion: 136 Resp: 936063

Ion Ratio Lower Upper

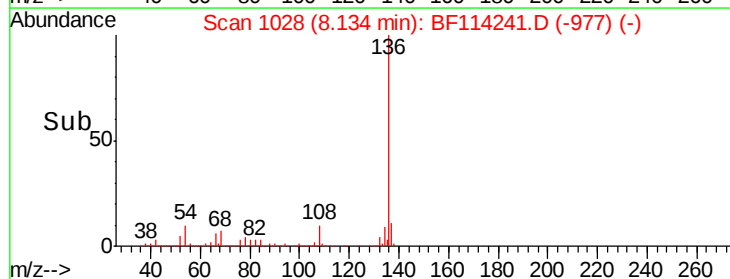
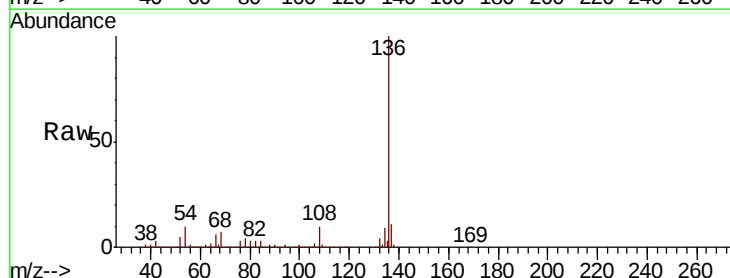
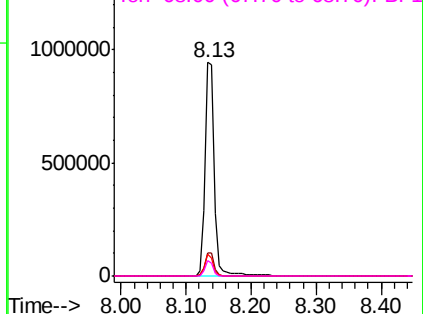
136 100

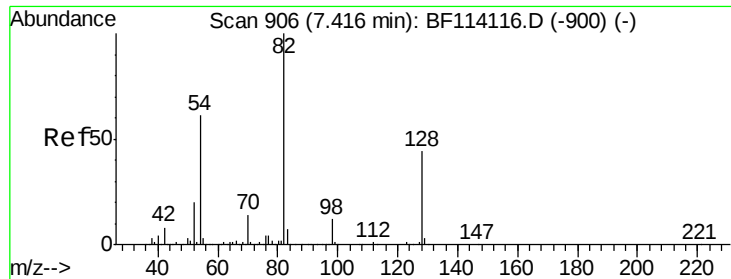
137 11.0 8.8 13.2

54 10.1 7.8 11.8

68 7.4 5.1 7.7

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





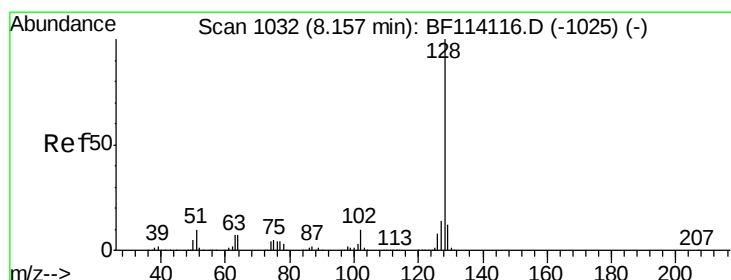
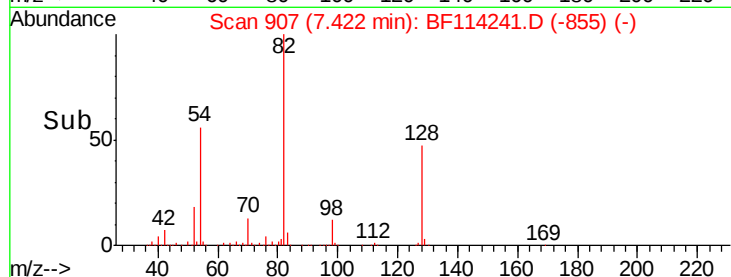
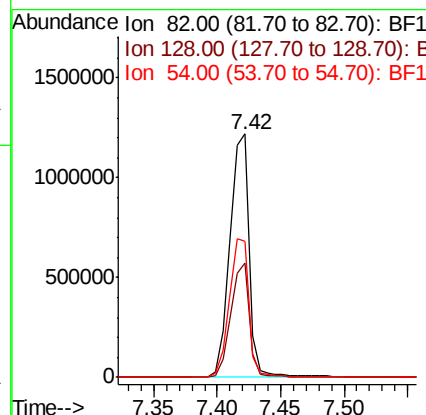
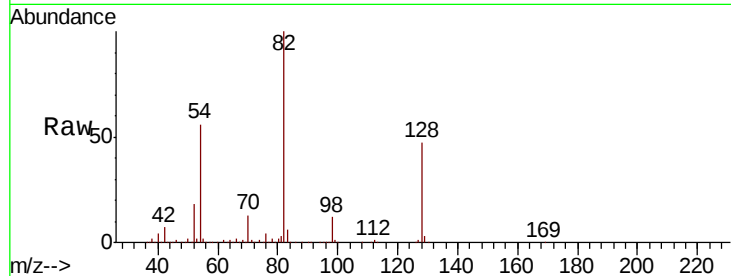
#23
Nitrobenzene-d5
Concen: 77.675 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.01 min
Lab File: BF114241.D
Acq: 13 May 2019 20:37

Instrument :
BNA_F
ClientSampleId :
P026-SS009-1218-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	35.5	53.3
54	56.1	48.5	72.7

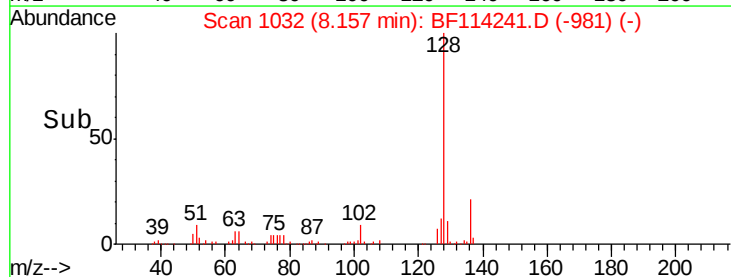
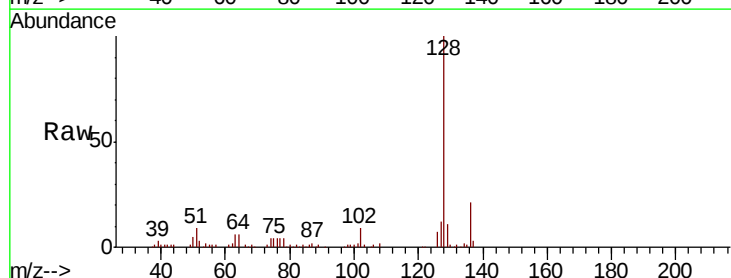
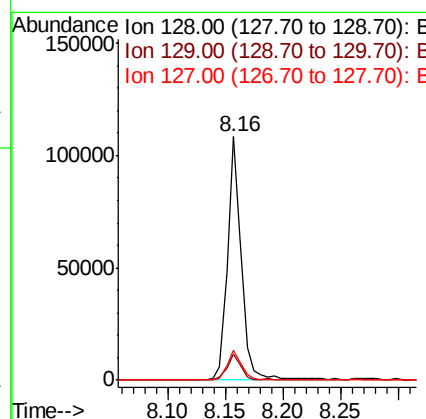
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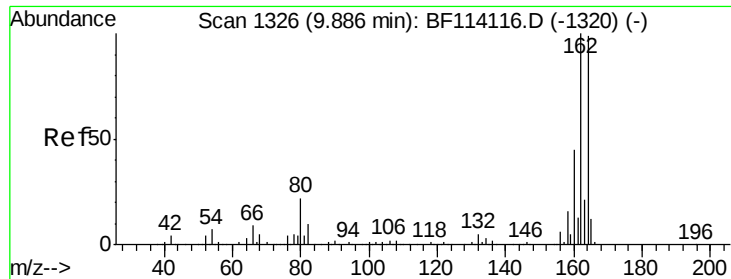
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#31
Naphthalene
Concen: 2.081 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF114241.D
Acq: 13 May 2019 20:37

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.6	14.4
127	12.1	11.3	16.9





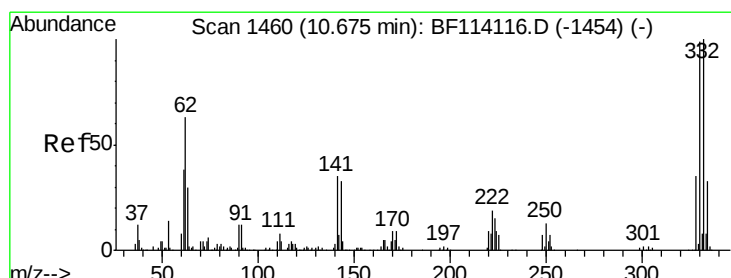
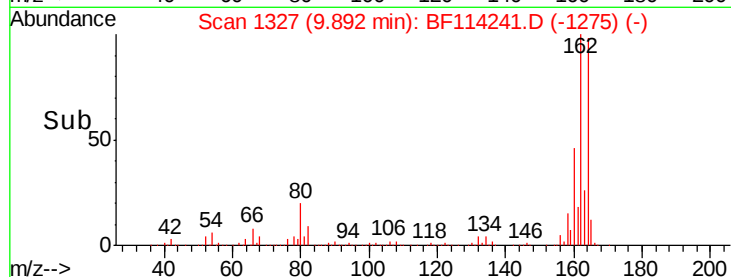
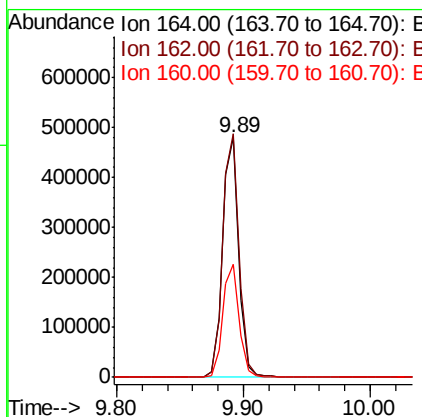
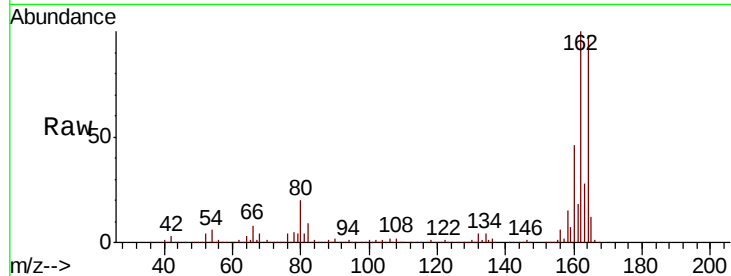
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114241.D
Acq: 13 May 2019 20:37

Instrument :
BNA_F
ClientSampleId :
P026-SS009-1218-01

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.7	80.6	120.8	
160	47.2	36.5	54.7	

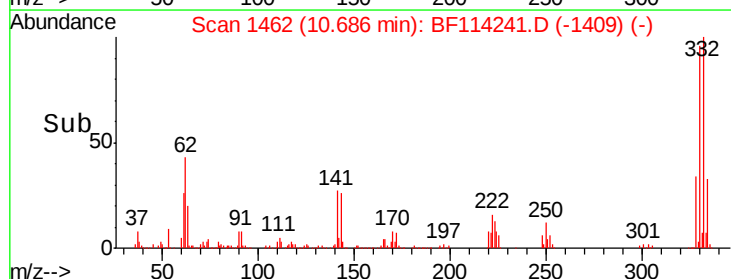
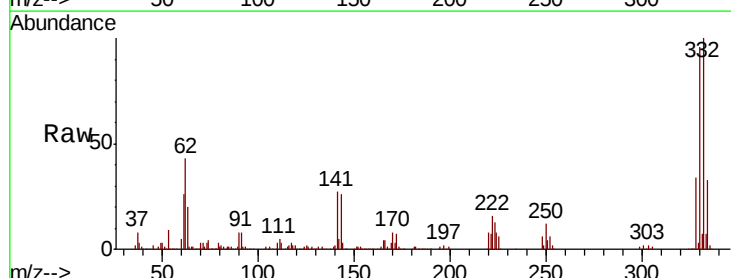
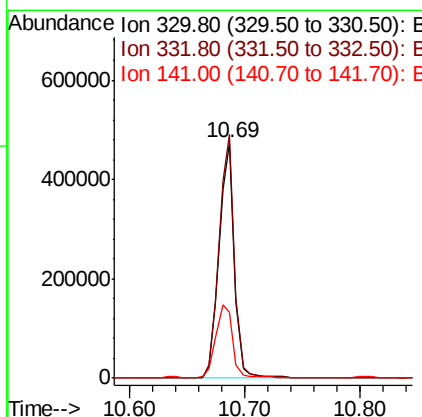
Manual Integrations
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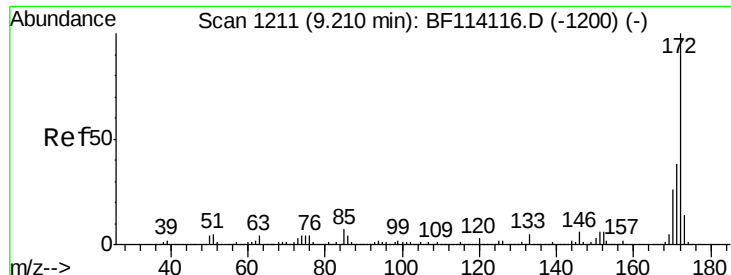
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#42
2,4,6-Tribromophenol
Concen: 98.821 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.01 min
Lab File: BF114241.D
Acq: 13 May 2019 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.9	81.4	122.2	
141	33.6	26.6	40.0	





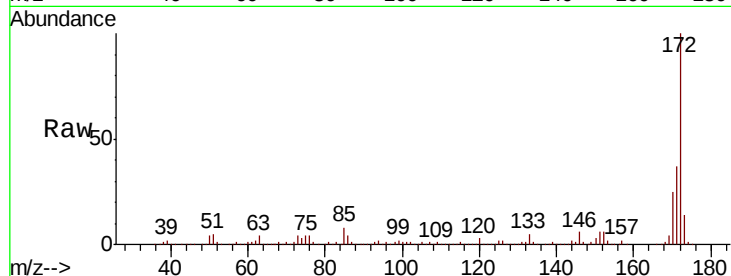
#45
2-Fluorobiphenyl
Concen: 70.655 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF114241.D
Acq: 13 May 2019 20:37

Instrument :
BNA_F
ClientSampleId :
P026-SS009-1218-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.7	46.1
170	24.6	20.5	30.7

Manual Integrations
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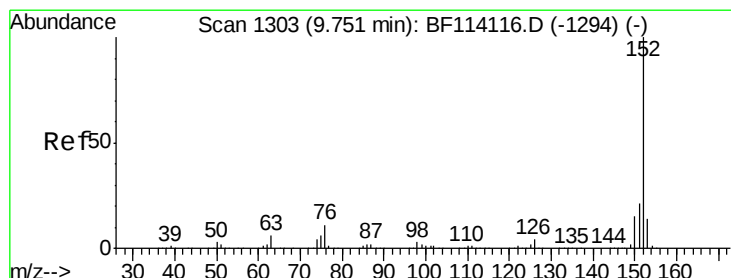
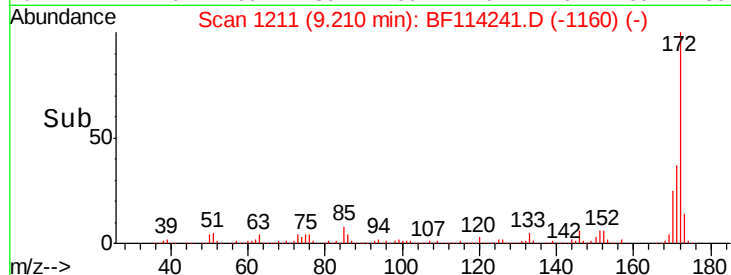
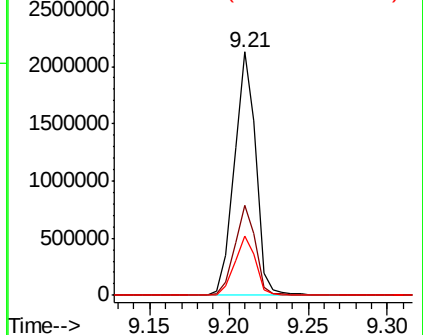


Abundance

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: 5.869 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF114241.D
Acq: 13 May 2019 20:37

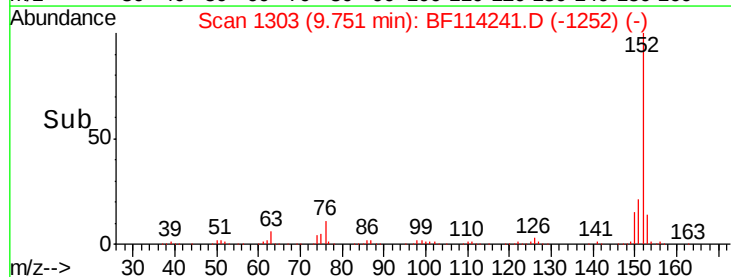
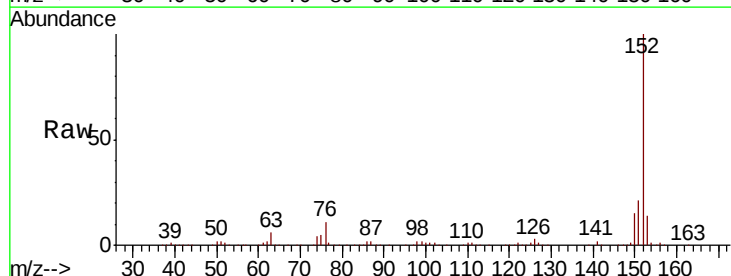
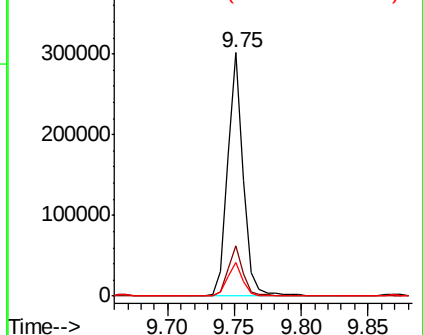
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.8	25.2
153	13.7	11.4	17.2

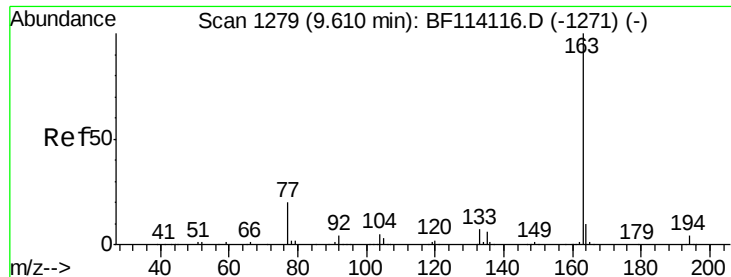
Abundance

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: 11.136 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF114241.D

Acq: 13 May 2019 20:37

Instrument :

BNA_F

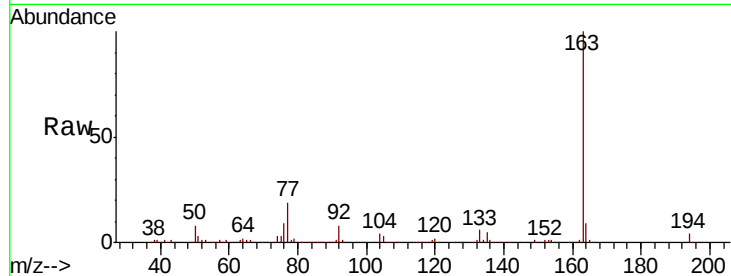
ClientSampleId :

P026-SS009-1218-01

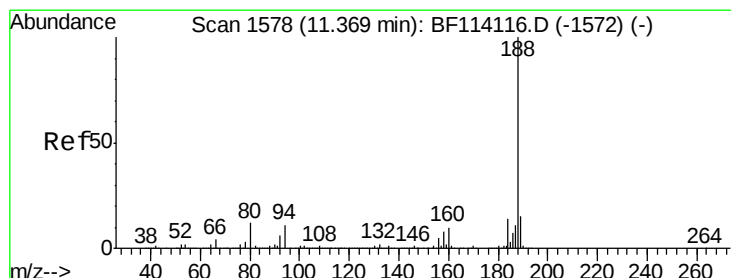
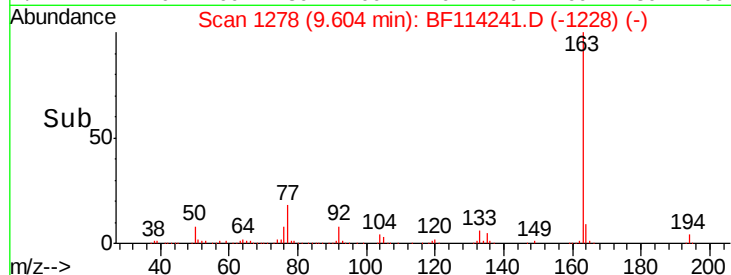
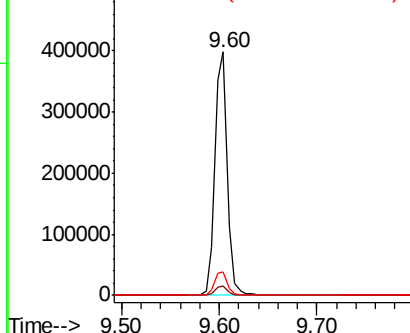
Tot Ion:	163	Resp:	349211
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.4	5.0
164	9.5	8.2	12.2

Manual Integrations
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5/14/2019 8:03:25 PM



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: 11.38 min Scan# 1580

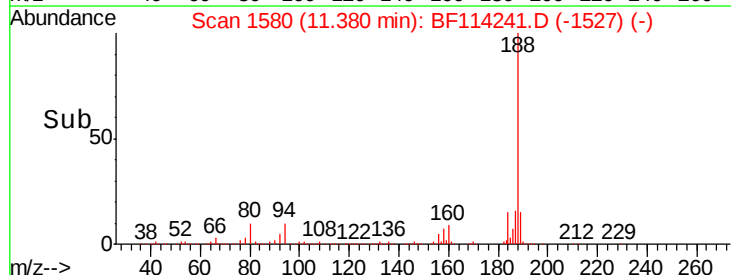
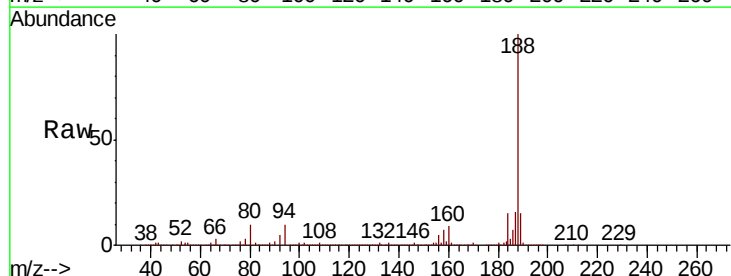
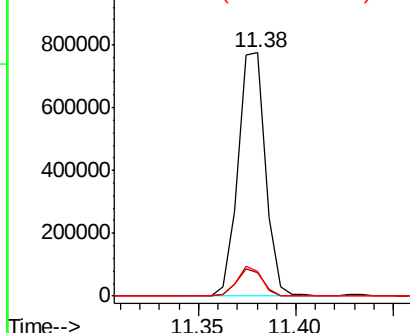
Delta R.T. 0.01 min

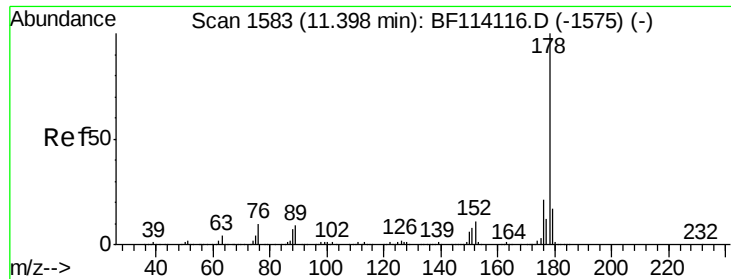
Lab File: BF114241.D

Acq: 13 May 2019 20:37

Tgt Ion:	188	Resp:	755191
Ion Ratio	Lower	Upper	
188	100		
94	9.6	8.4	12.6
80	9.9	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





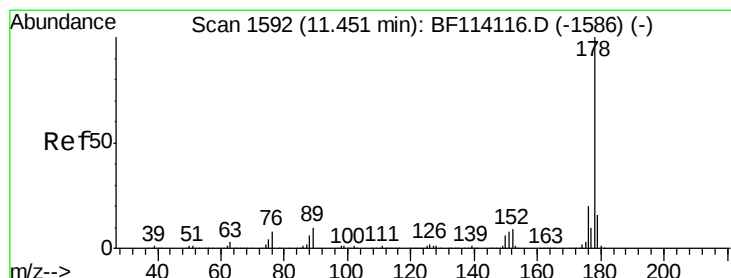
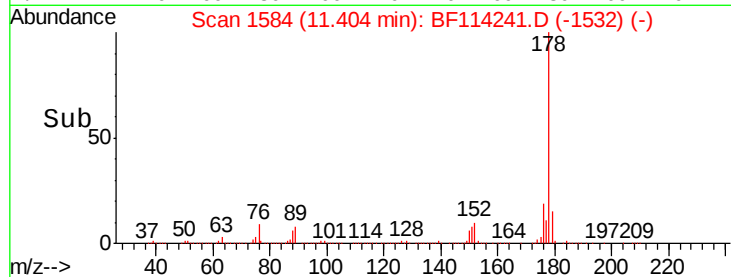
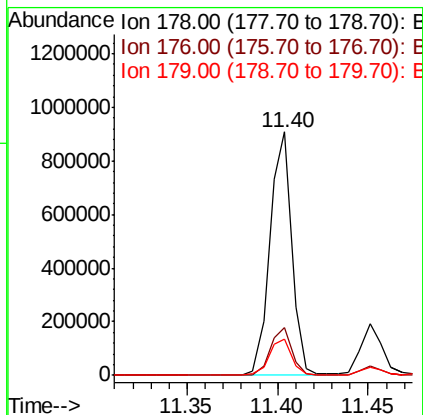
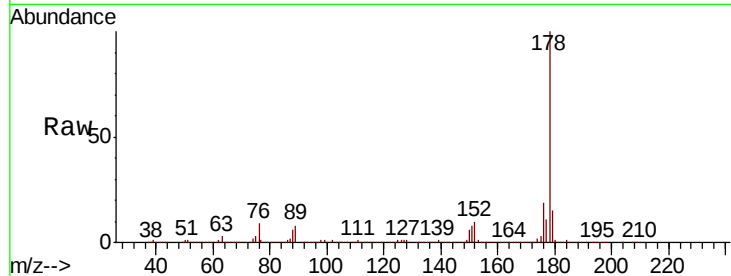
#71
Phenanthrene
Concen: 20.625 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114241.D
Acq: 13 May 2019 20:37

Instrument :
BNA_F
ClientSampleId :
P026-SS009-1218-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.4	24.6
179	15.1	13.2	19.8

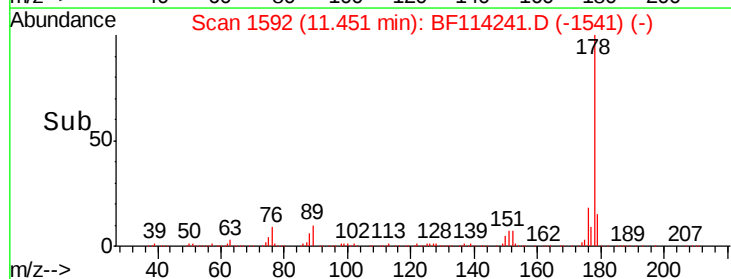
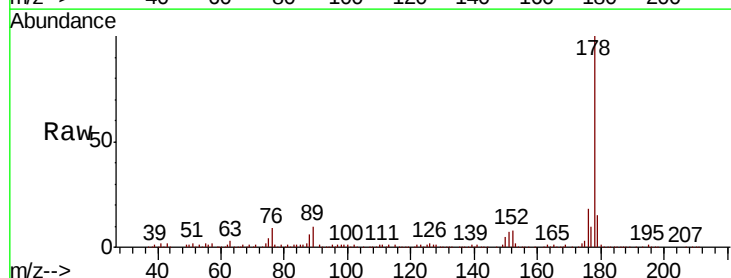
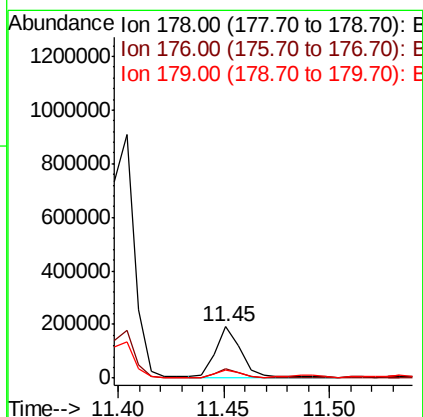
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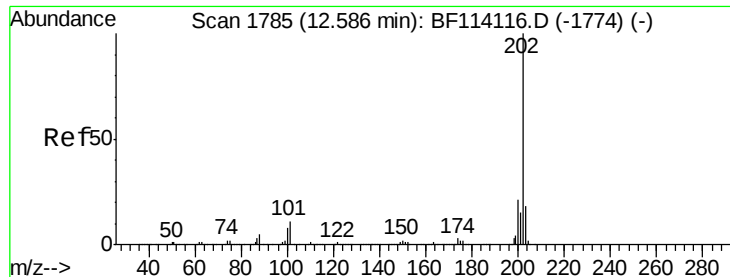
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#72
Anthracene
Concen: 4.352 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF114241.D
Acq: 13 May 2019 20:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.3	13.0	19.4





#75

Fluoranthene

Concen: 30.958 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114241.D

Acq: 13 May 2019 20:37

Instrument :

BNA_F

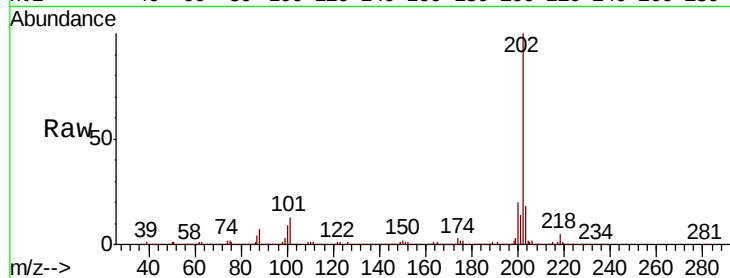
ClientSampleId :

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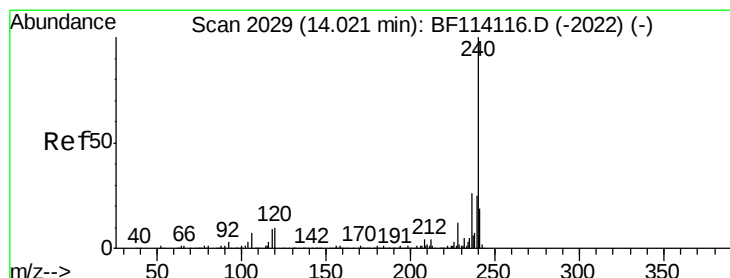
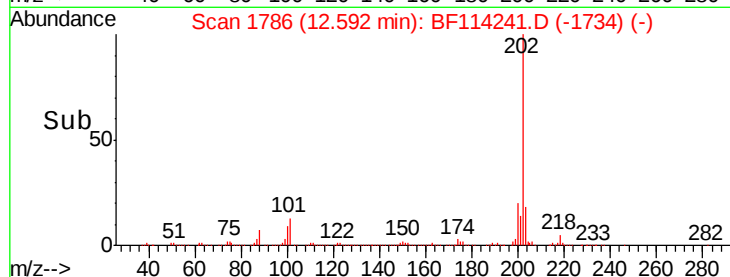
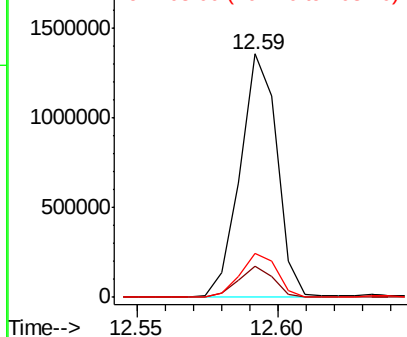
Tot Ion:	202	Resp:	1224873
Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	31.0
203	18.1	0.0	38.4

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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

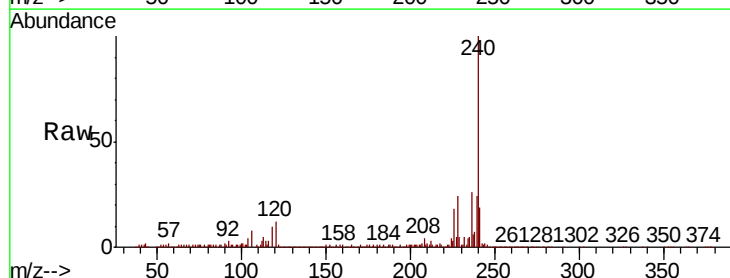
RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

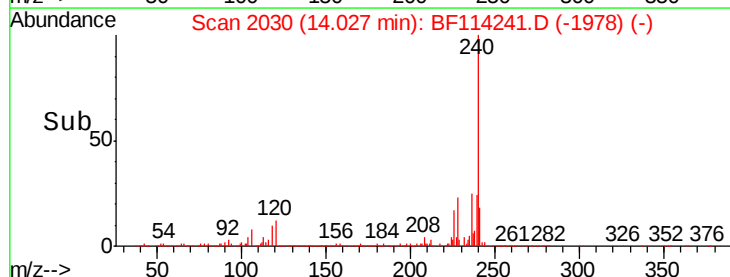
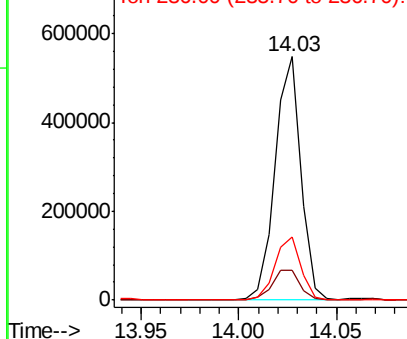
Lab File: BF114241.D

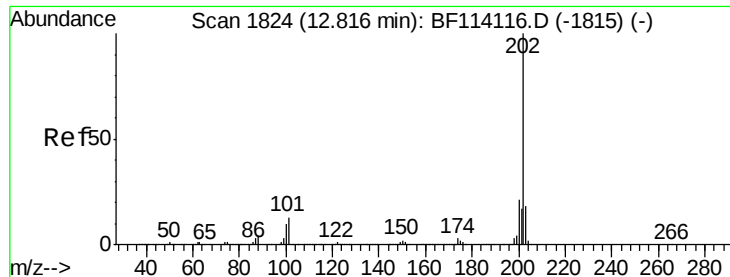
Acq: 13 May 2019 20:37

Tgt Ion:	240	Resp:	498525
Ion	Ratio	Lower	Upper
240	100		
120	12.1	8.3	12.5
236	25.8	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: 52.180 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF114241.D

Acq: 13 May 2019 20:37

Instrument :

BNA_F

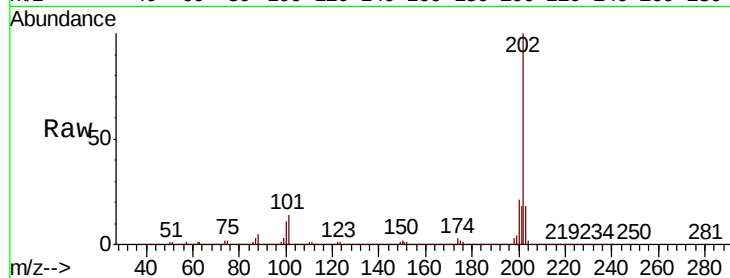
ClientSampleId :

P026-SS009-1218-01

Tot Ion:	202	Resp:	2092634
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.9	25.3
203	18.3	14.5	21.7

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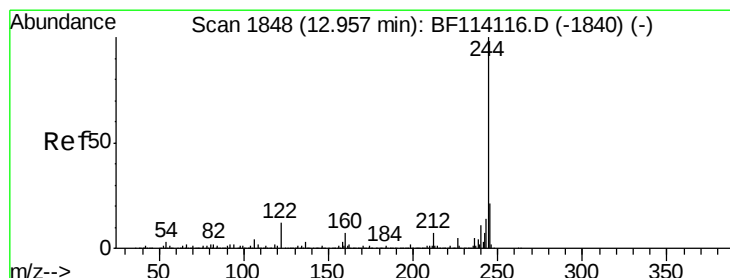
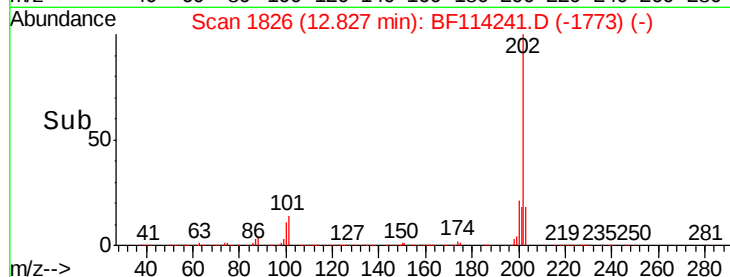
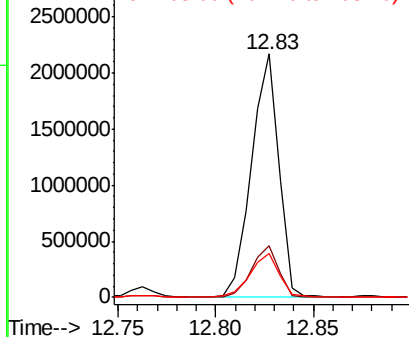


Abundance

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: 65.579 ng

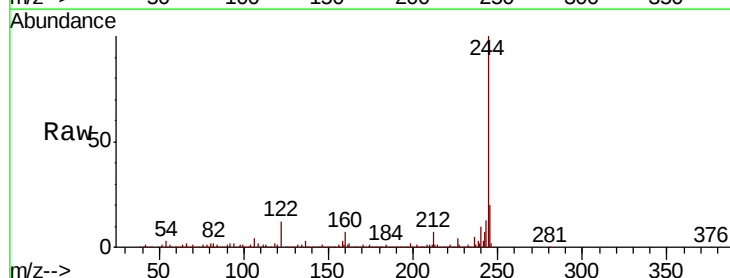
RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF114241.D

Acq: 13 May 2019 20:37

Tgt Ion:	244	Resp:	1585933
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.8	8.6
122	11.8	9.4	14.2

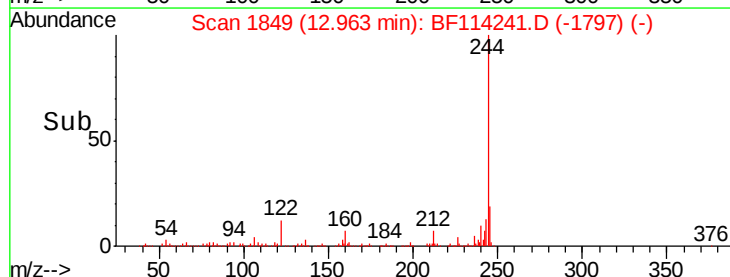
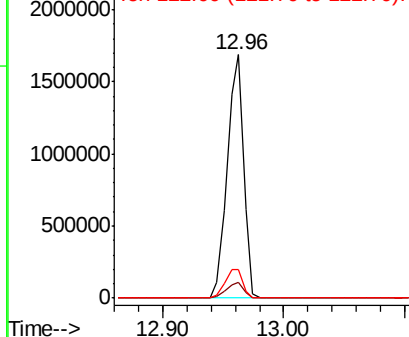


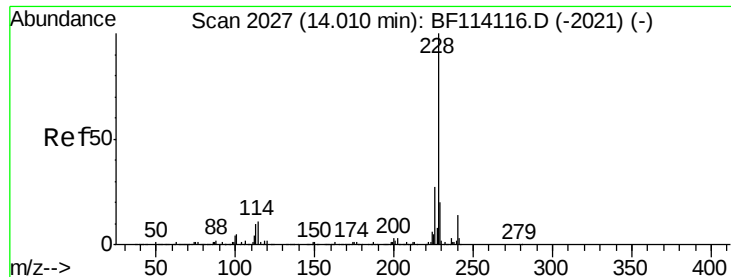
Abundance

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: 24.647 ng m

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF114241.D

Acq: 13 May 2019 20:37

Instrument :

BNA_F

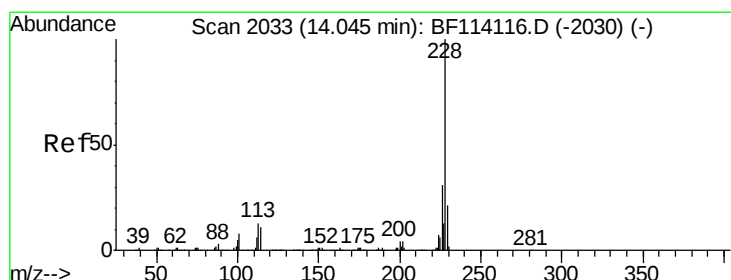
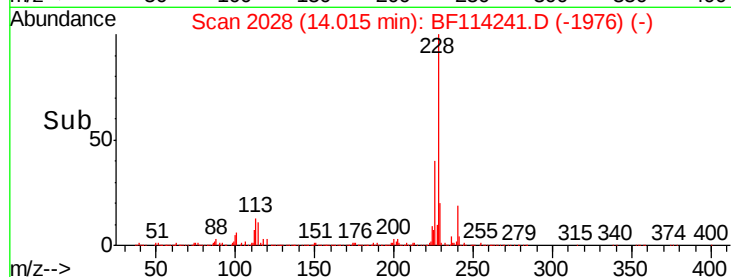
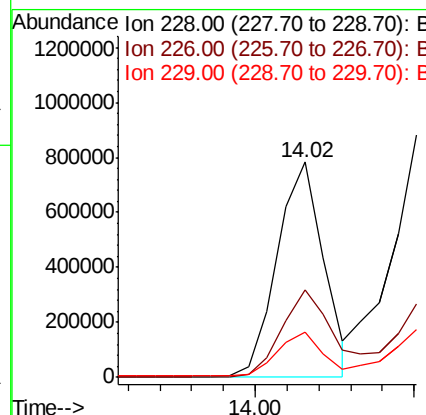
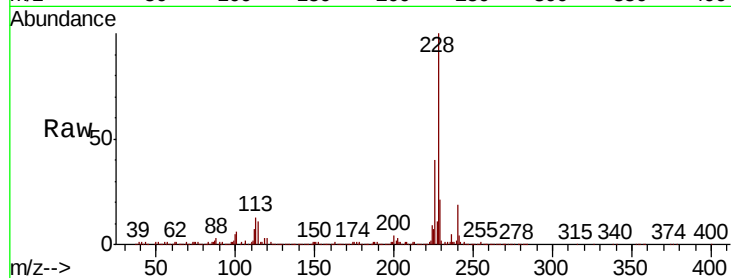
ClientSampleId :

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Tot Ion:	228	Resp:	794728
Ion	Ratio	Lower	Upper
228	100		
226	40.5	22.2	33.2#
229	20.8	16.4	24.6

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#83

Chrysene

Concen: 28.512 ng

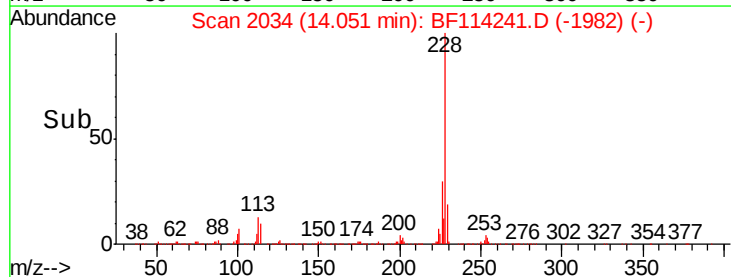
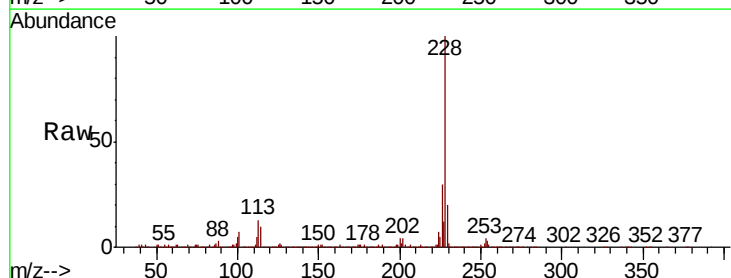
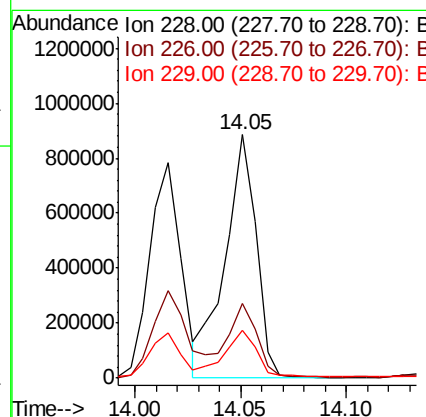
RT: 14.05 min Scan# 2034

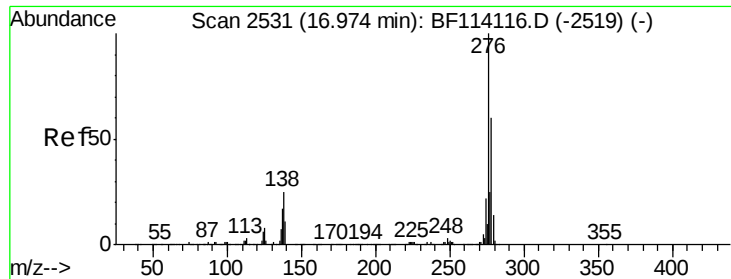
Delta R.T. 0.01 min

Lab File: BF114241.D

Acq: 13 May 2019 20:37

Tgt Ion:	228	Resp:	901224
Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	19.8	17.0	25.6





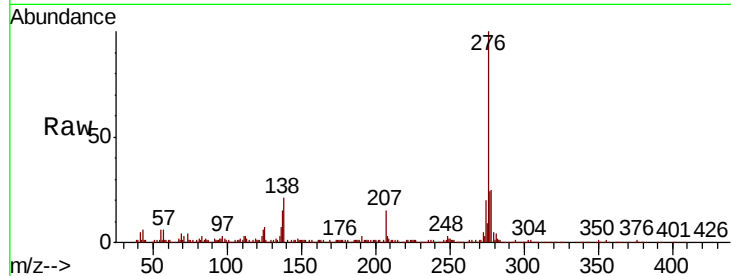
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 12.714 ng
 RT: 17.00 min Scan# 2535
 Delta R.T. 0.02 min
 Lab File: BF114241.D
 Acq: 13 May 2019 20:37

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS009-1218-01

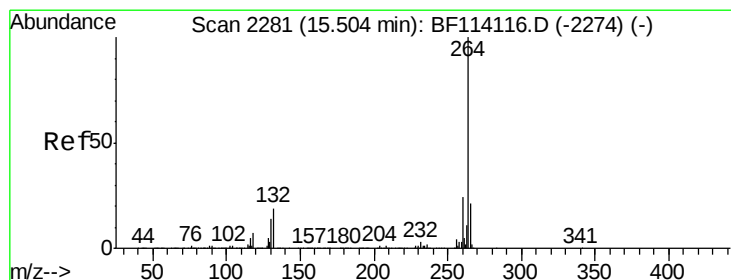
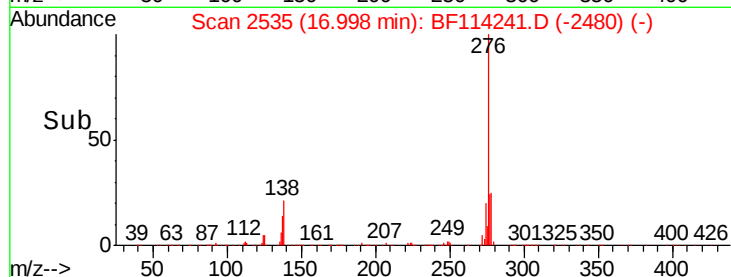
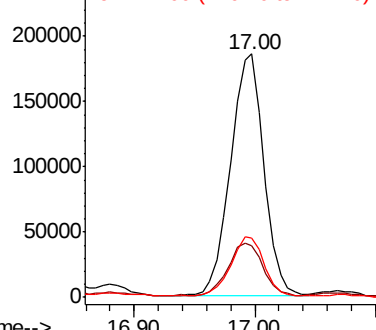
Tot Ion:	276	Resp:	355175
Ion Ratio		Lower	Upper
276	100		
138	22.8	20.2	30.2
277	24.4	20.0	30.0

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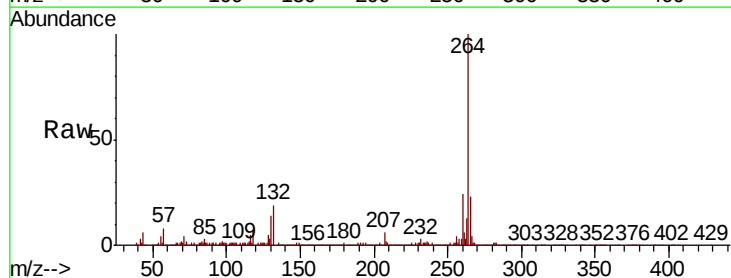


Abundance Ion 276.00 (275.70 to 276.70): E
 250000 Ion 138.00 (137.70 to 138.70): E
 200000 Ion 277.00 (276.70 to 277.70): E

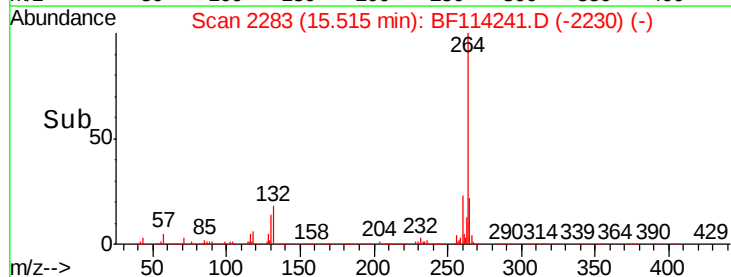
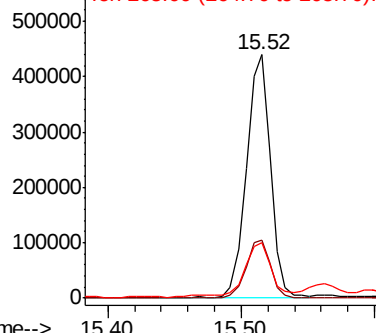


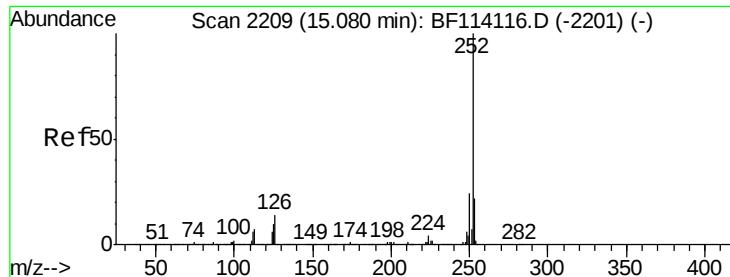
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. 0.01 min
 Lab File: BF114241.D
 Acq: 13 May 2019 20:37

Tgt Ion:	264	Resp:	556135
Ion Ratio		Lower	Upper
264	100		
260	23.6	19.4	29.0
265	22.6	16.9	25.3



Abundance Ion 264.00 (263.70 to 264.70): E
 600000 Ion 260.00 (259.70 to 260.70): E
 500000 Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 25.026 ng m

RT: 15.09 min Scan# 2210

Delta R.T. 0.01 min

Lab File: BF114241.D

Acq: 13 May 2019 20:37

Instrument :

BNA_F

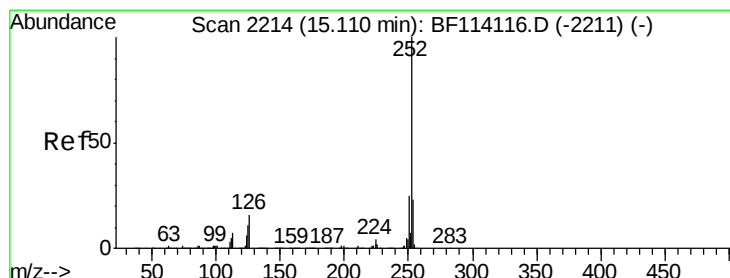
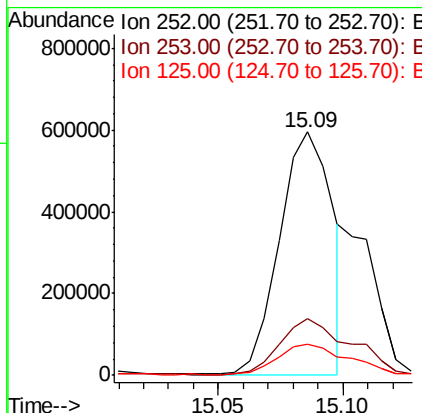
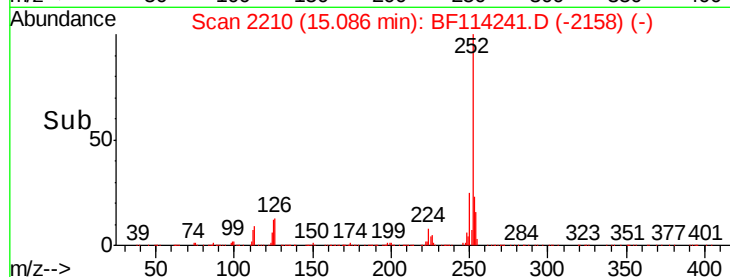
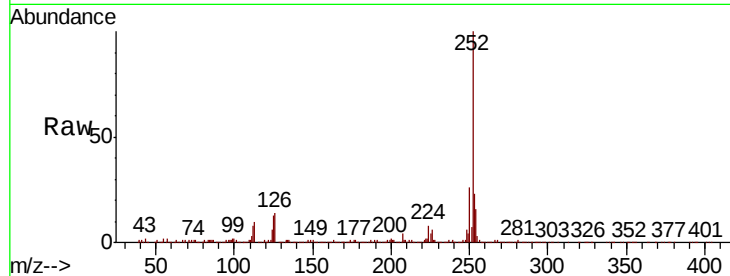
ClientSampleId :

P026-SS009-1218-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	12.6	8.3	12.5#

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#89

Benzo(k)fluoranthene

Concen: 9.814 ng m

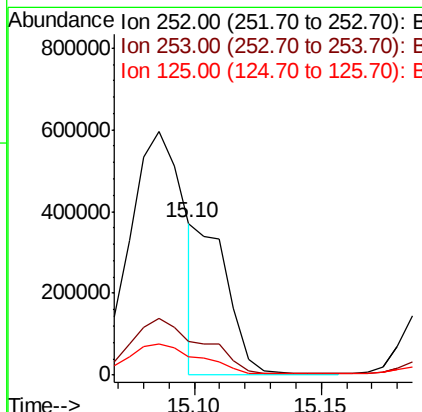
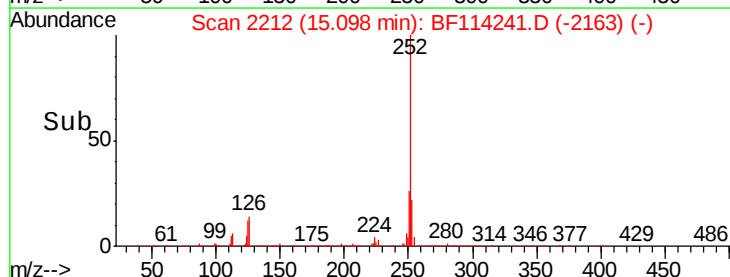
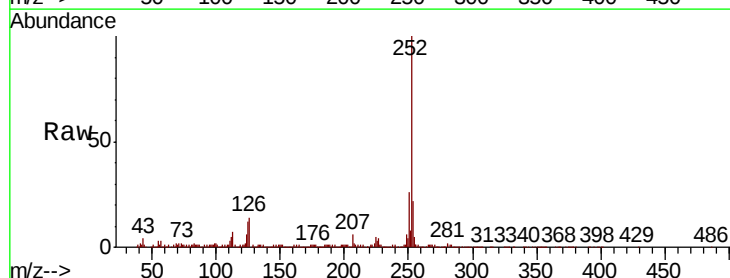
RT: 15.10 min Scan# 2212

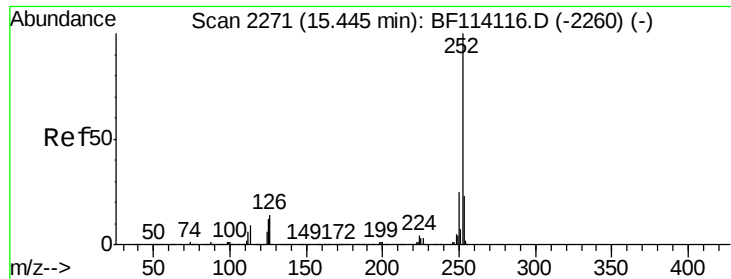
Delta R.T. -0.01 min

Lab File: BF114241.D

Acq: 13 May 2019 20:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	12.3	8.6	13.0





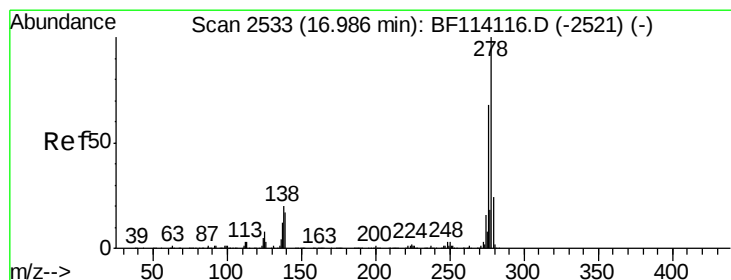
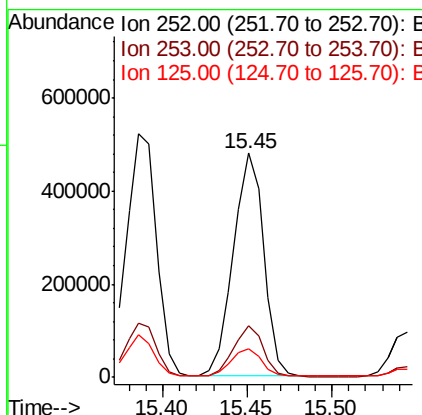
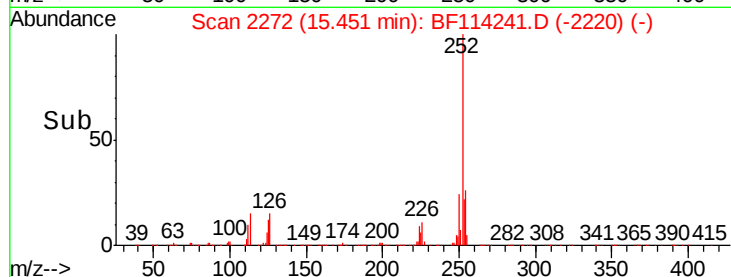
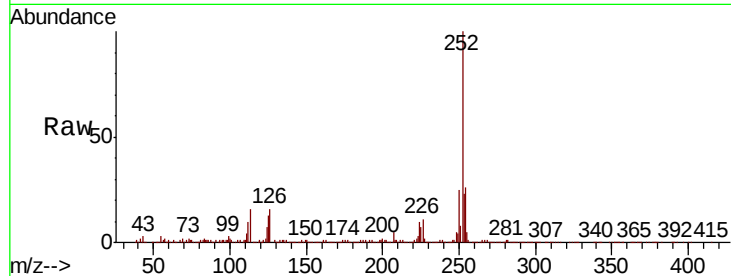
#90
Benzo(a)pyrene
Concen: 19.214 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF114241.D
Acq: 13 May 2019 20:37

Instrument :
BNA_F
ClientSampleId :
P026-SS009-1218-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	12.6	9.5	14.3

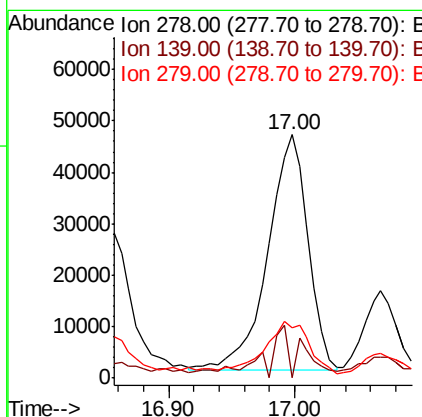
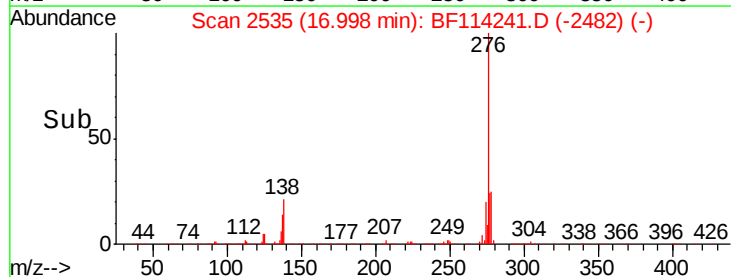
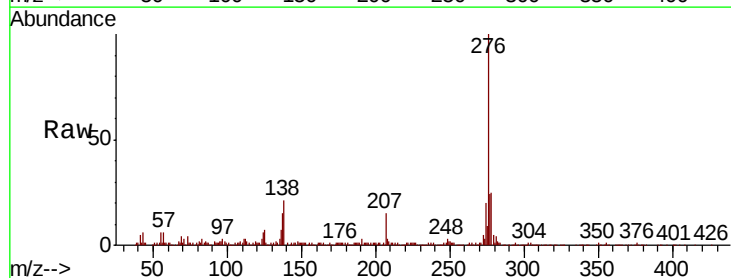
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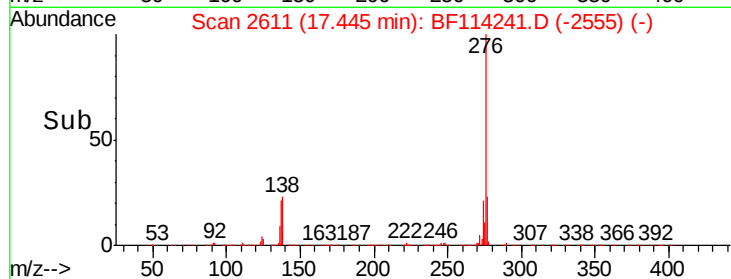
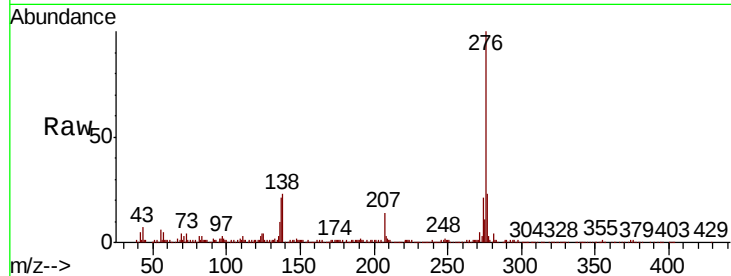
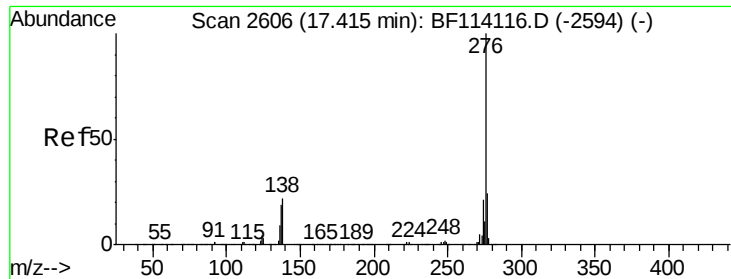
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#91
Dibenzo(a,h)anthracene
Concen: 3.873 ng m
RT: 17.00 min Scan# 2535
Delta R.T. 0.01 min
Lab File: BF114241.D
Acq: 13 May 2019 20:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	20.8	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 15.103 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. 0.03 min
 Lab File: BF114241.D
 Acq: 13 May 2019 20:37

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS009-1218-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.0	28.4
138	23.3	17.8	26.6

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