

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114238.D
 Acq On : 13 May 2019 19:18
 Operator : JU/SJ
 Sample : K2766-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0206-01

Manual Integrations
 APPROVED

Sohil
 5/14/2019 8:03:24 PM

Quant Time: May 14 06:22:02 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	250941	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	929365	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	425116	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	769864	20.00	ng	0.00
76) Chrysene-d12	14.03	240	465037	20.00	ng	0.00
87) Perylene-d12	15.52	264	524153	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1762228	113.01	ng	0.02
7) Phenol-d6	6.51	99	2336302	126.68	ng	0.02
23) Nitrobenzene-d5	7.42	82	1466153	88.53	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	526415	119.78	ng	0.01
45) 2-Fluorobiphenyl	9.21	172	2267891	80.70	ng	0.00
79) Terphenyl-d14	12.96	244	1803961	79.97	ng	0.00
Target Compounds						
49) Acenaphthylene	9.75	152	492541	11.717	ng	96
50) Dimethylphthalate	9.60	163	330408	10.587	ng	99
71) Phenanthrene	11.40	178	773167	20.643	ng	98
72) Anthracene	11.45	178	218888	5.818	ng	97
75) Fluoranthene	12.60	202	1368629	33.932	ng	100
78) Pyrene	12.83	202	2248612	60.107	ng	99
81) Benzo(a)anthracene	14.02	228	1011723m	33.636	ng	
83) Chrysene	14.06	228	1352686	45.877	ng	99
86) Indeno(1,2,3-cd)pyrene	17.01	276	715750	27.467	ng	96
88) Benzo(b)fluoranthene	15.10	252	1595060m	47.500	ng	
89) Benzo(k)fluoranthene	15.11	252	584745m	18.956	ng	
90) Benzo(a)pyrene	15.47	252	1083451	36.661	ng	98
91) Dibenzo(a,h)anthracene	17.01	278	188325m	7.669	ng	
92) Benzo(g,h,i)perylene	17.46	276	791523	32.162	ng	100

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

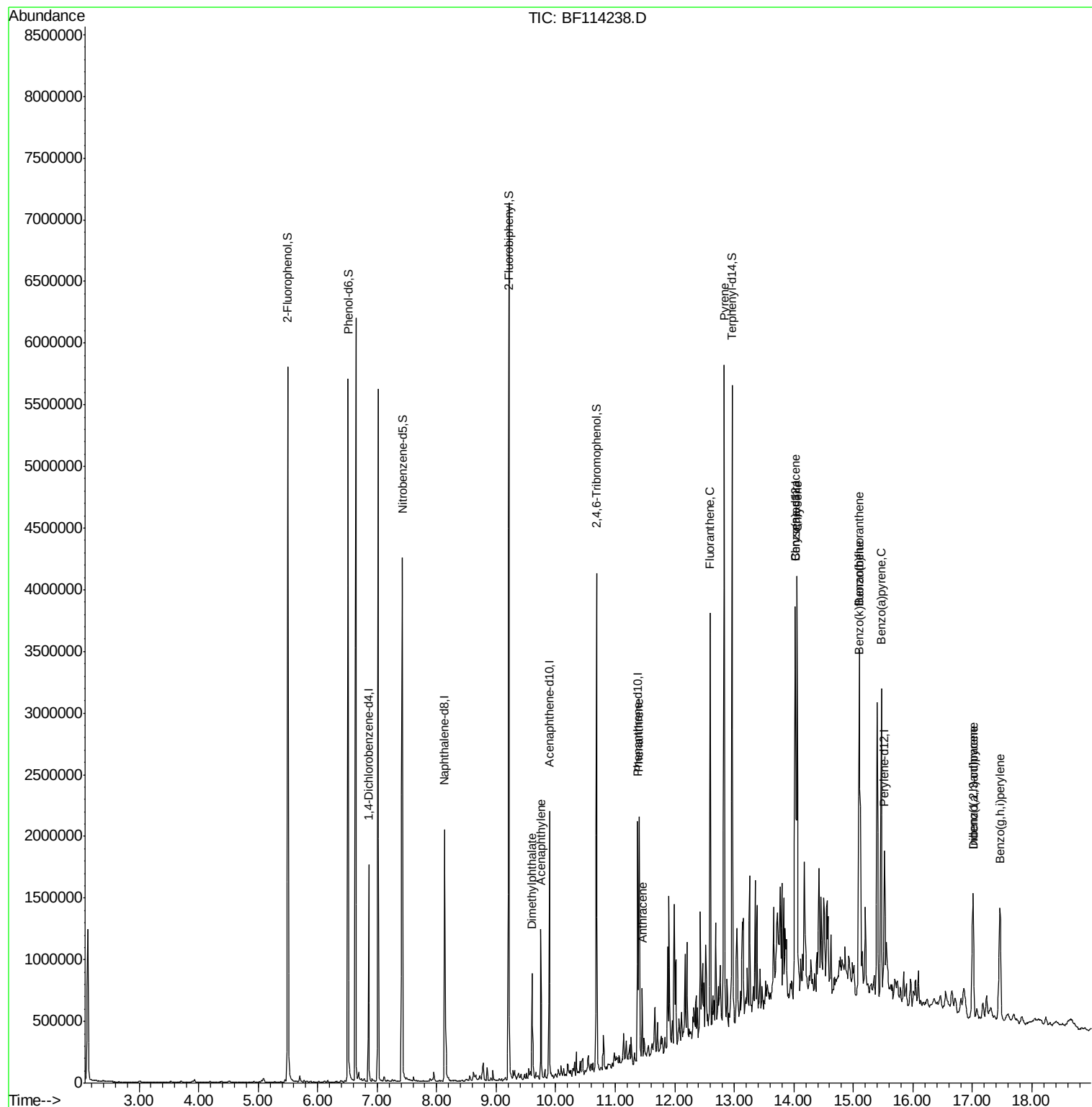
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114238.D
Acq On : 13 May 2019 19:18
Operator : JU/SJ
Sample : K2766-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

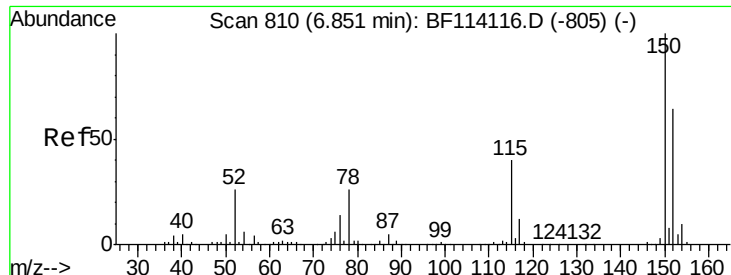
Instrument :
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P026-SS006-0206-01

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
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#1

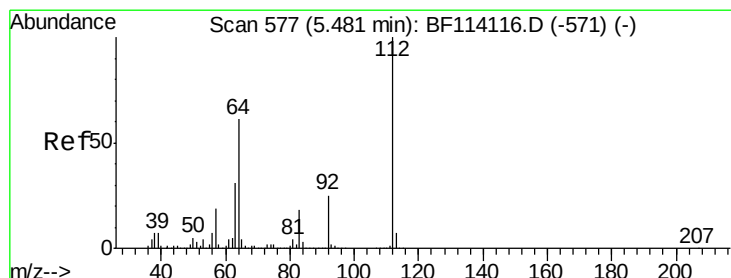
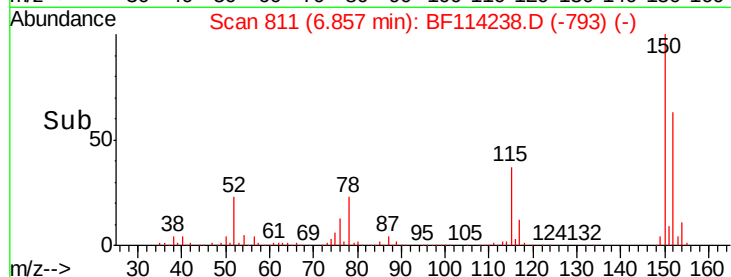
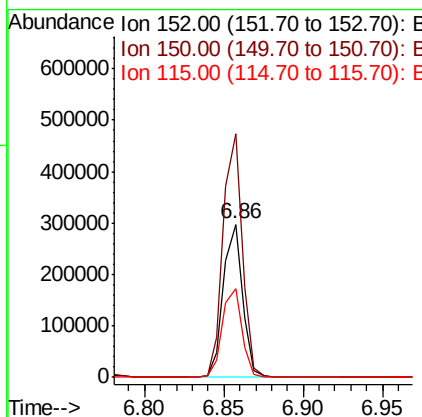
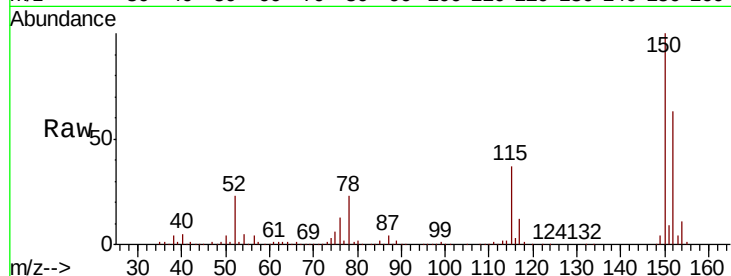
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0206-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.3	186.5
115	58.0	49.1	73.7

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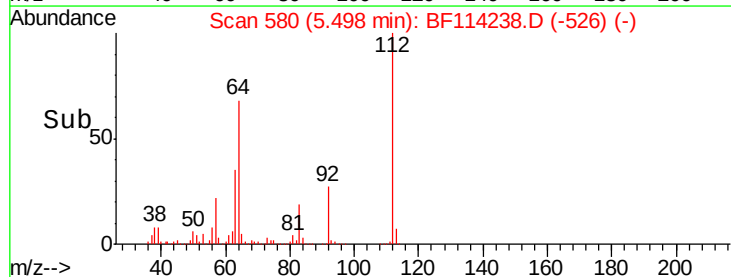
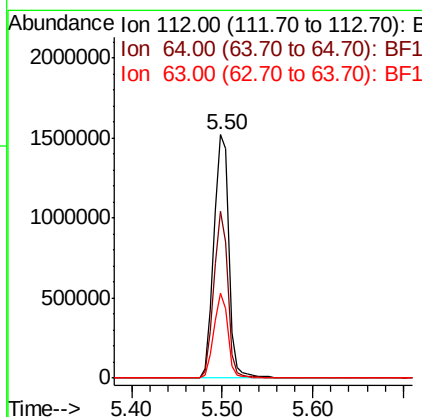
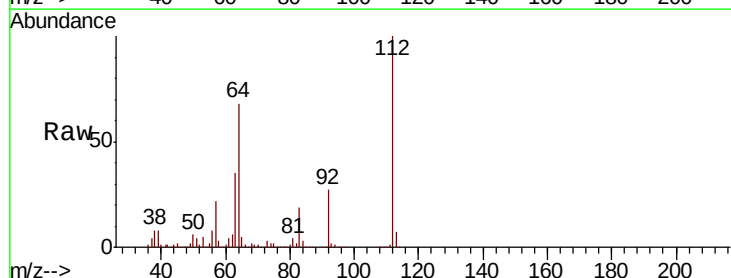
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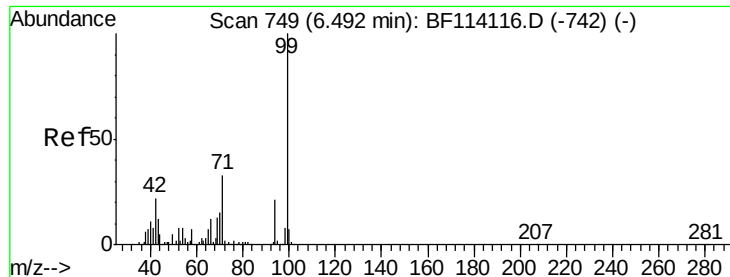


#5

2-Fluorophenol
Concen: 113.010 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.02 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	49.0	73.6
63	35.0	24.6	37.0





#7

Phenol-d6

Concen: 126.677 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.02 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0206-01

Tot Ion: 99 Resp: 2336302

Ion Ratio Lower Upper

99 100

42 23.1 17.9 26.9

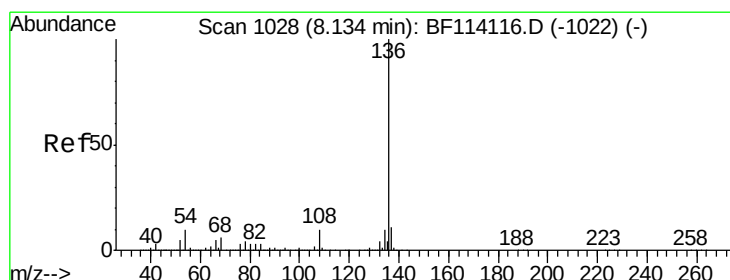
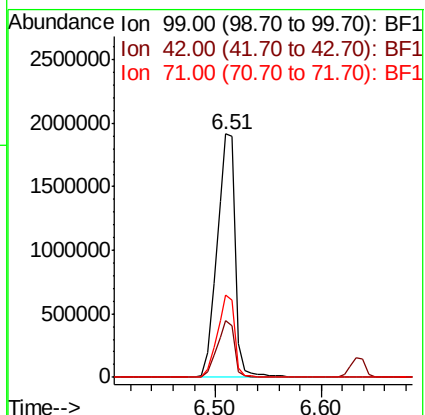
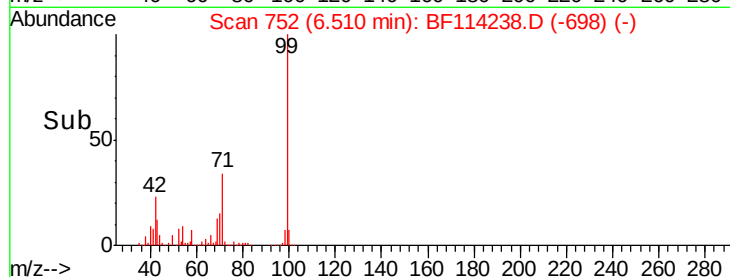
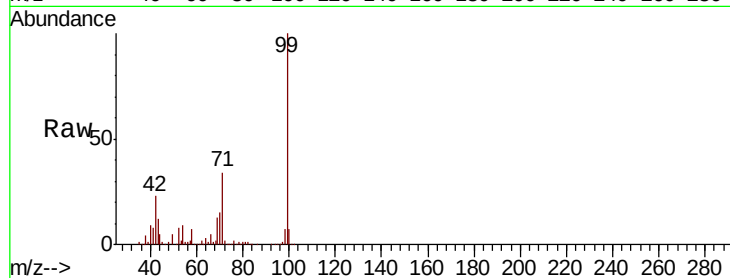
71 33.6 26.2 39.2

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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: BF114238.D

Acq: 13 May 2019 19:18

Tgt Ion: 136 Resp: 929365

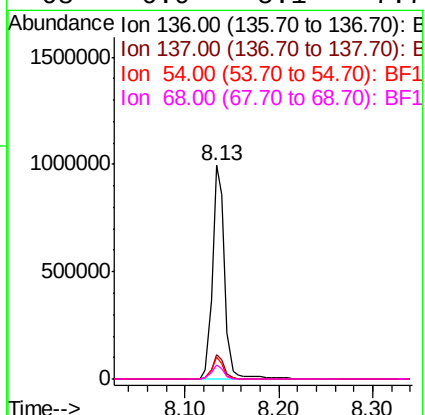
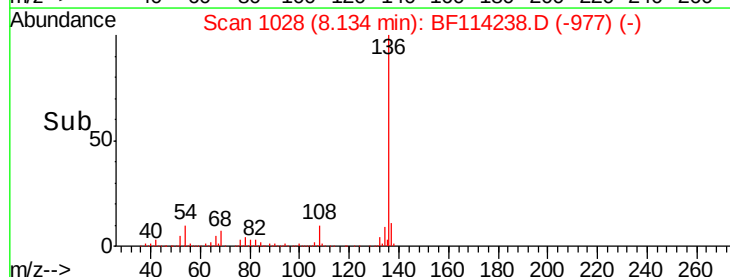
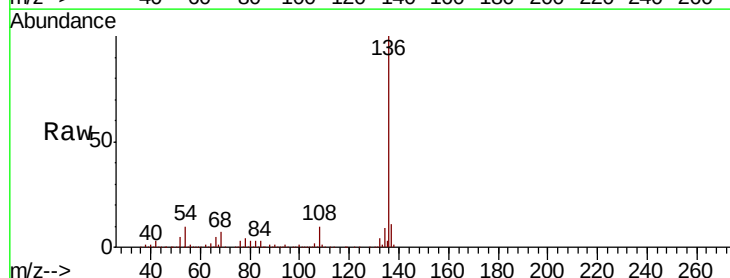
Ion Ratio Lower Upper

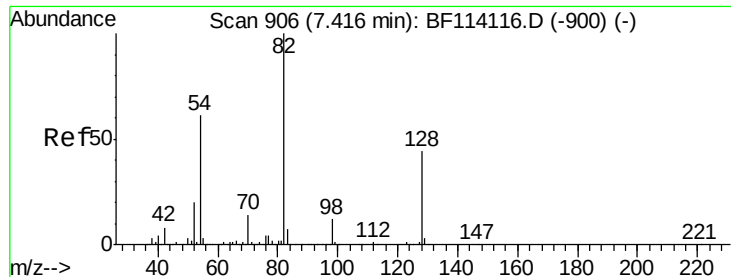
136 100

137 11.2 8.8 13.2

54 10.0 7.8 11.8

68 6.9 5.1 7.7





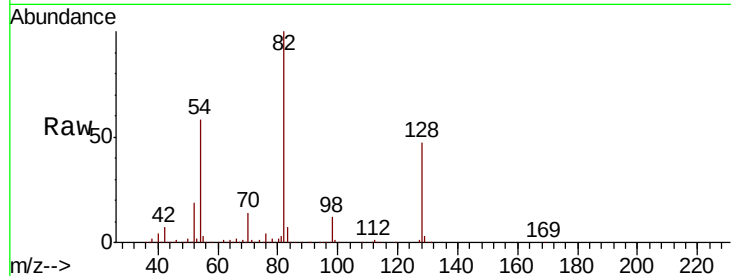
#23
Nitrobenzene-d5
Concen: 88.534 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.01 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0206-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	35.5	53.3
54	57.8	48.5	72.7

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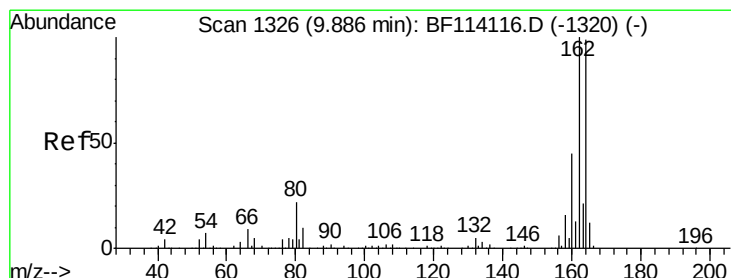
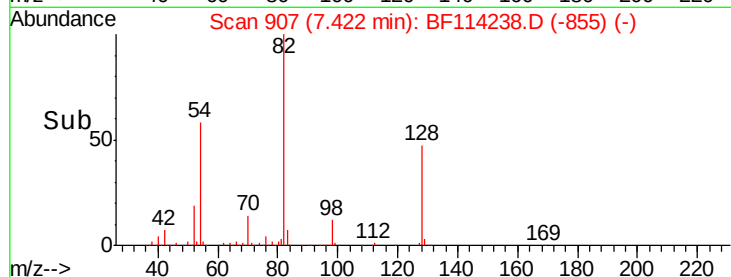
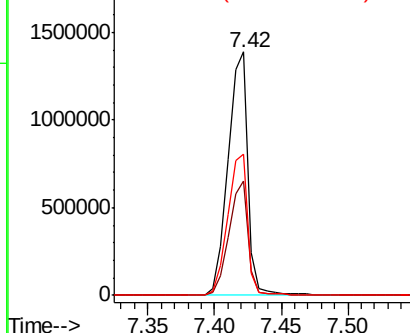


Abundance

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: BF114238.D
Acq: 13 May 2019 19:18

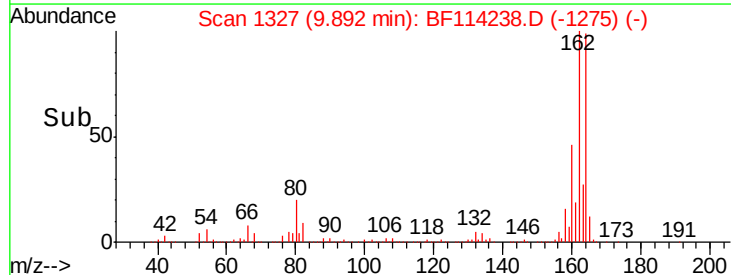
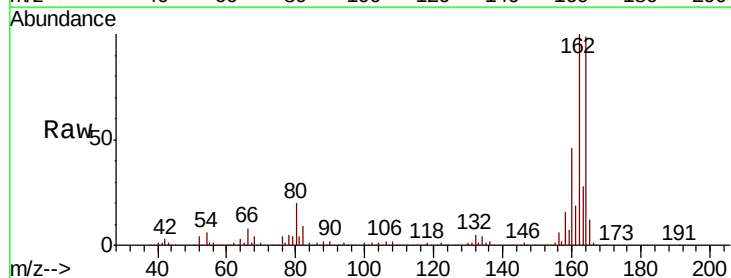
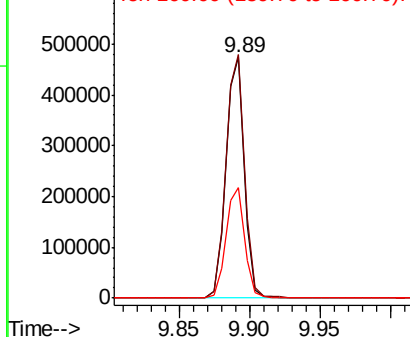
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	120.8
160	46.1	36.5	54.7

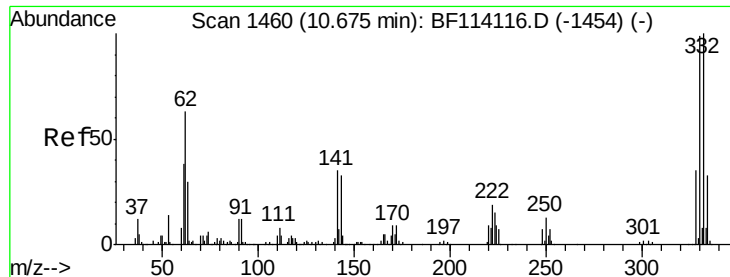
Abundance

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: 119.776 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.01 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

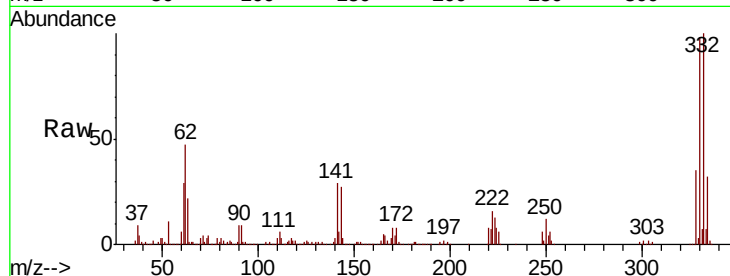
ClientSampleId :

P026-SS006-0206-01

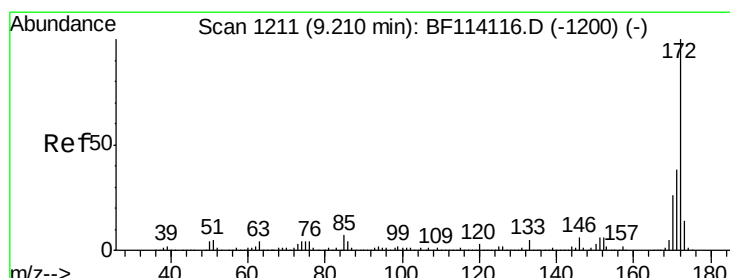
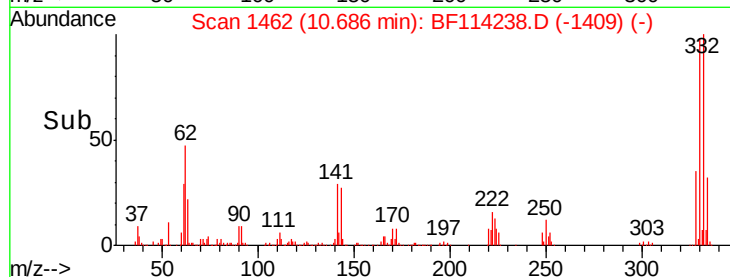
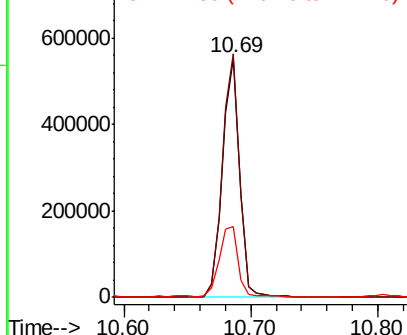
Tot Ion:	330	Resp:	526415
Ion Ratio	Lower	Upper	
330	100		
332	102.2	81.4	122.2
141	32.5	26.6	40.0

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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: 80.697 ng

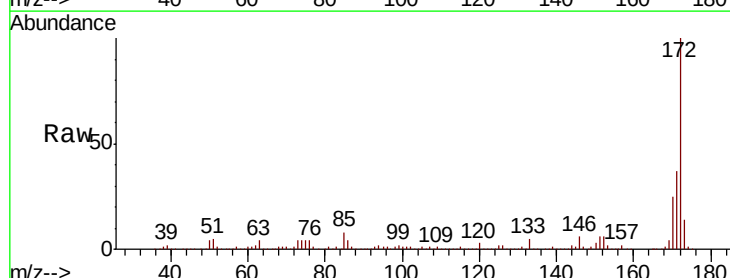
RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

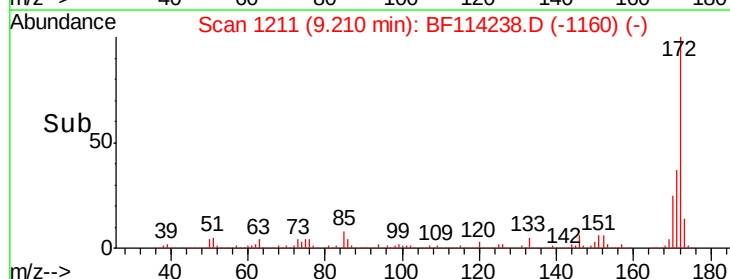
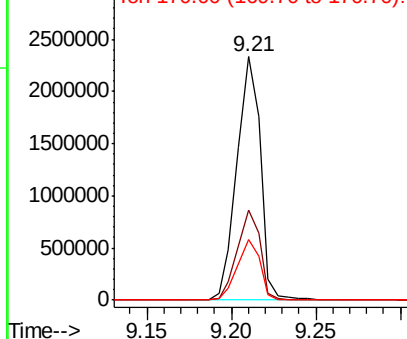
Lab File: BF114238.D

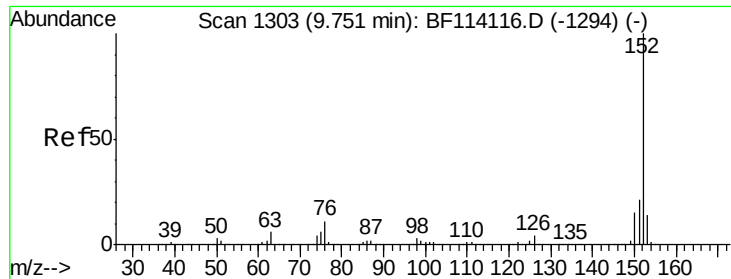
Acq: 13 May 2019 19:18

Tgt Ion:	172	Resp:	2267891
Ion Ratio	Lower	Upper	
172	100		
171	37.0	30.7	46.1
170	24.9	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: 11.717 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

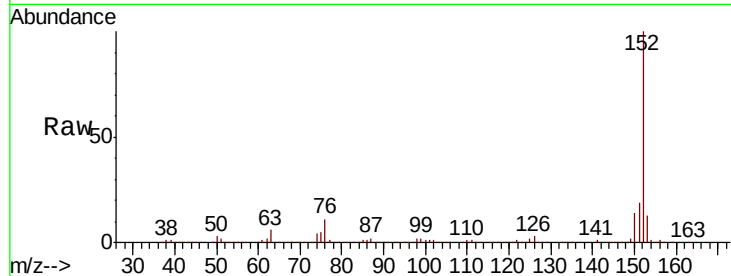
ClientSampleId :

P026-SS006-0206-01

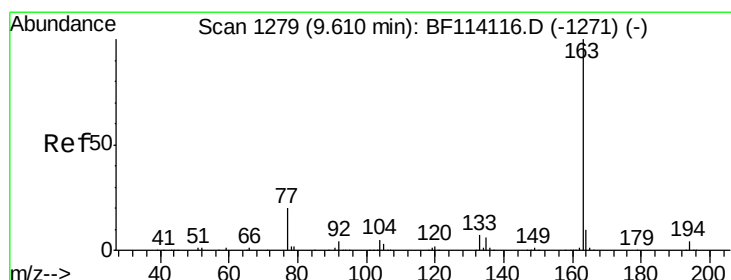
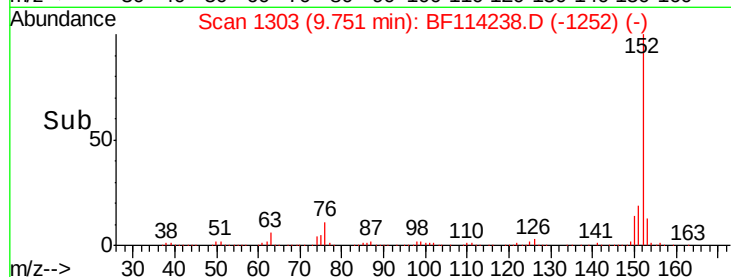
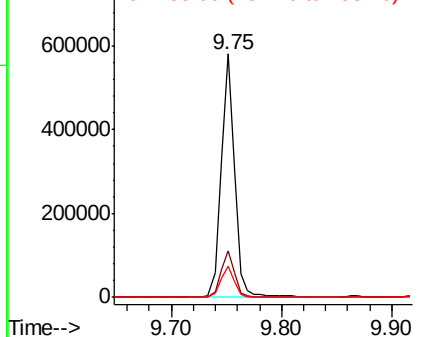
Tot Ion:	152	Resp:	492541
Ion Ratio	Lower	Upper	
152	100		
151	19.3	16.8	25.2
153	12.9	11.4	17.2

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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: 10.587 ng

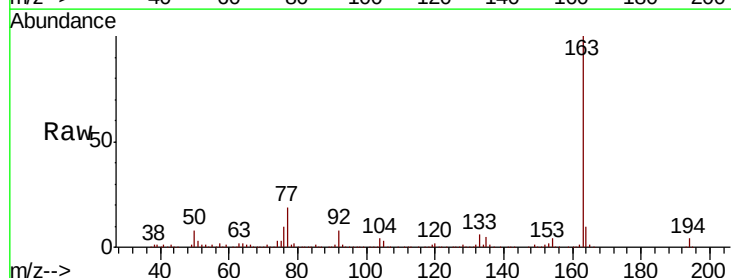
RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

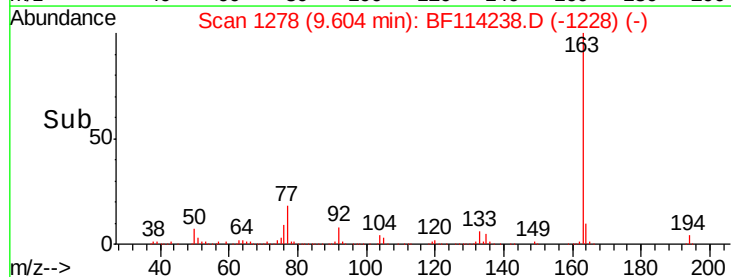
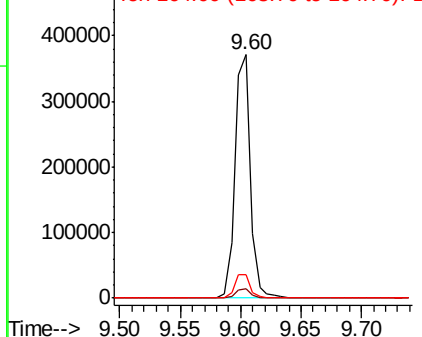
Lab File: BF114238.D

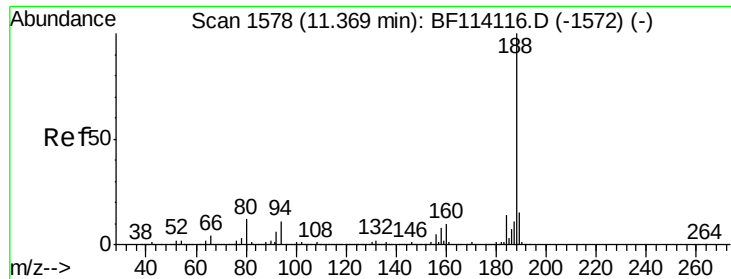
Acq: 13 May 2019 19:18

Tgt Ion:	163	Resp:	330408
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.4	5.0
164	9.6	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: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

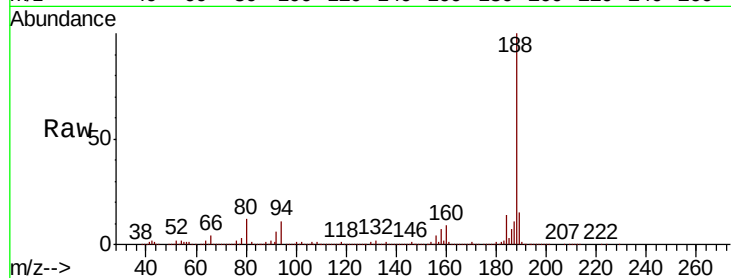
ClientSampleId :

P026-SS006-0206-01

Tot Ion:	188	Resp:	769864
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.4	12.6
80	11.5	9.2	13.8

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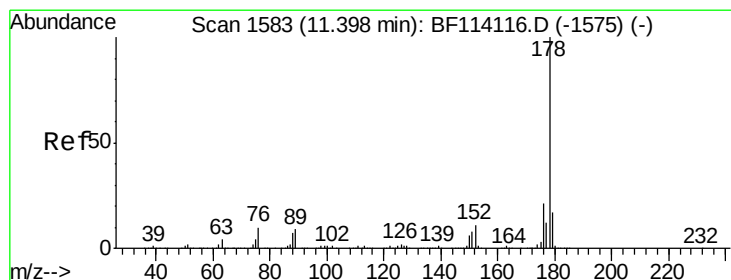
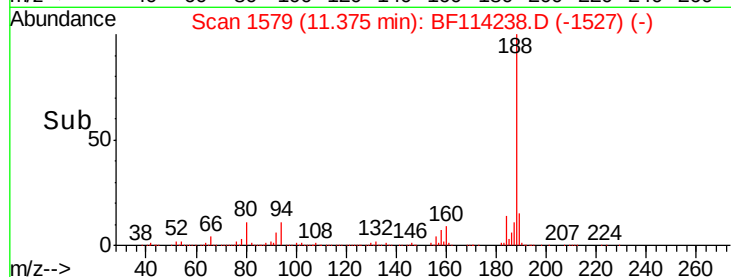
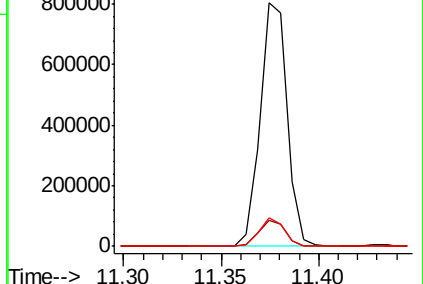
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 20.643 ng

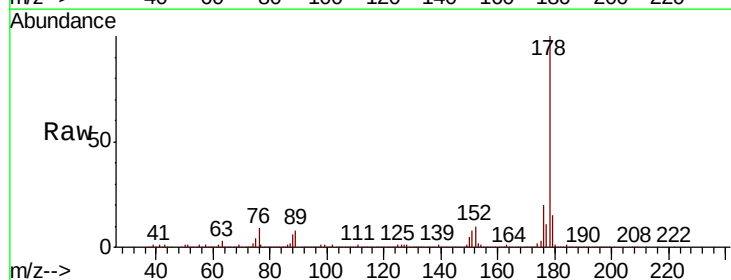
RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

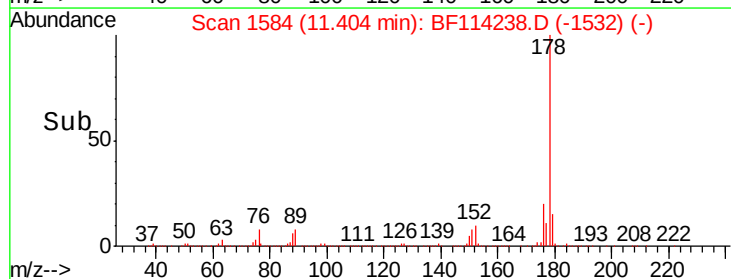
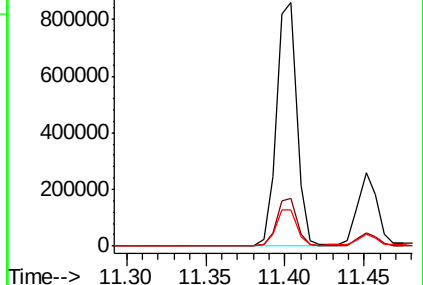
Tgt Ion:	178	Resp:	773167
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.4	24.6
179	15.0	13.2	19.8

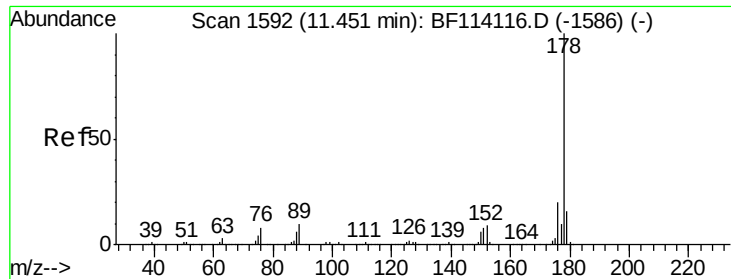


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.818 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

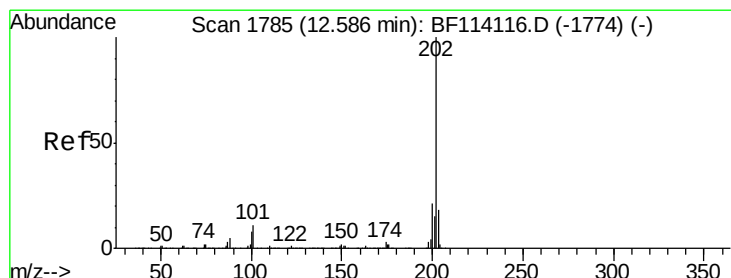
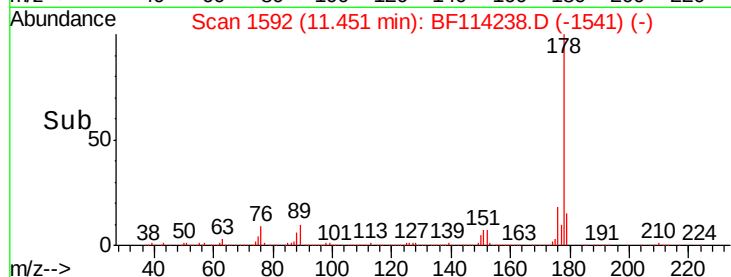
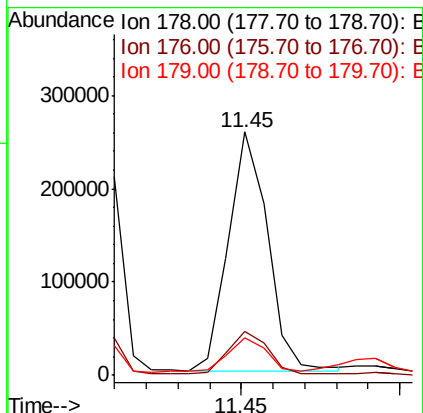
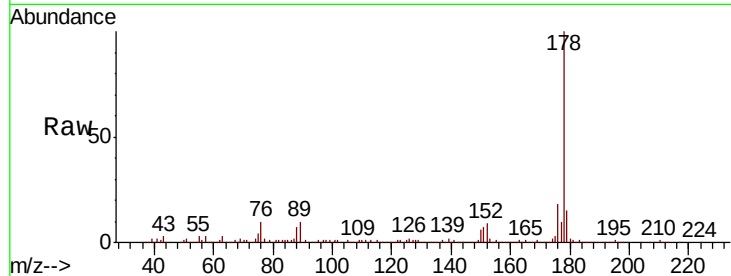
ClientSampleId :

P026-SS006-0206-01

Tot Ion:	178	Resp:	218888
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.8	23.8
179	15.5	13.0	19.4

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#75

Fluoranthene

Concen: 33.932 ng

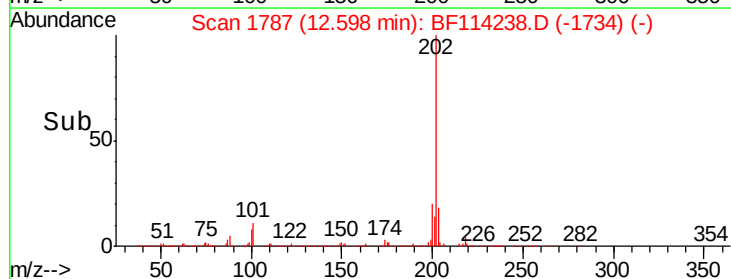
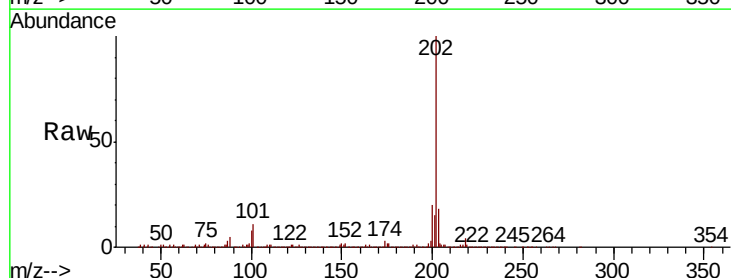
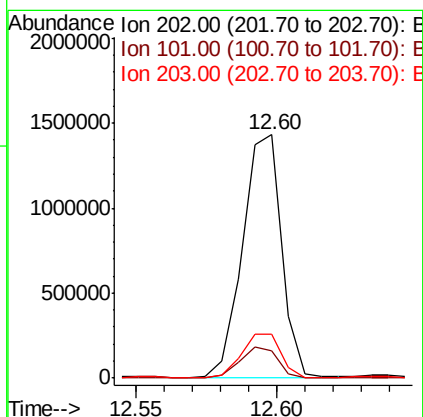
RT: 12.60 min Scan# 1787

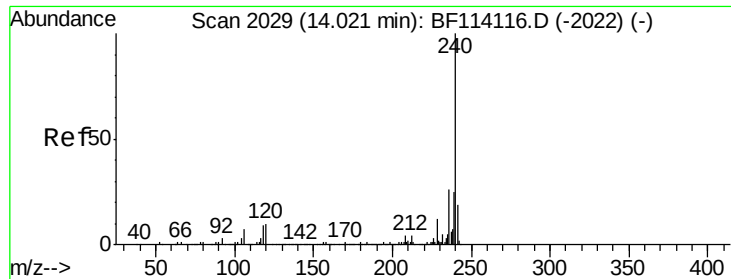
Delta R.T. 0.01 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Tgt Ion:	202	Resp:	1368629
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	31.0
203	18.1	0.0	38.4





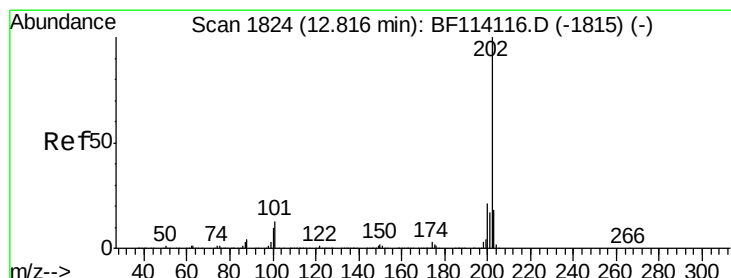
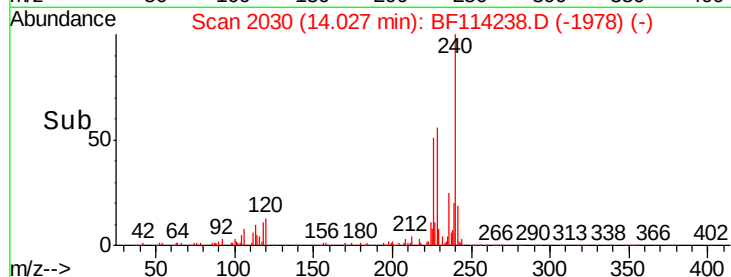
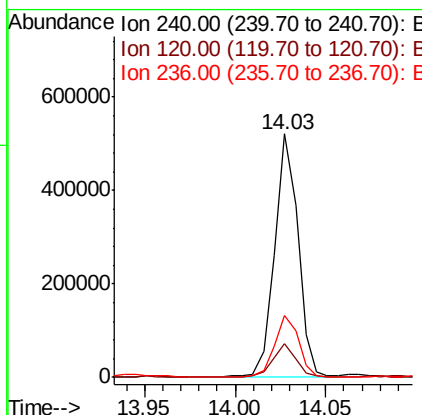
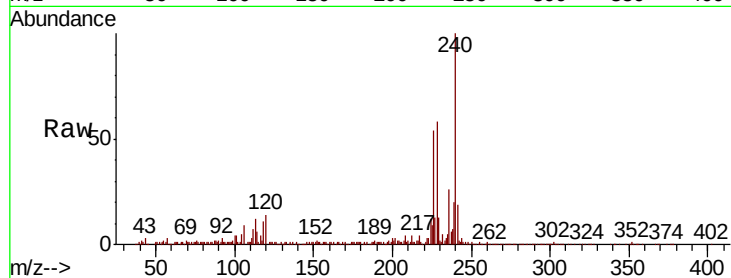
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0206-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.6	8.3	12.5#
236	25.7	20.8	31.2

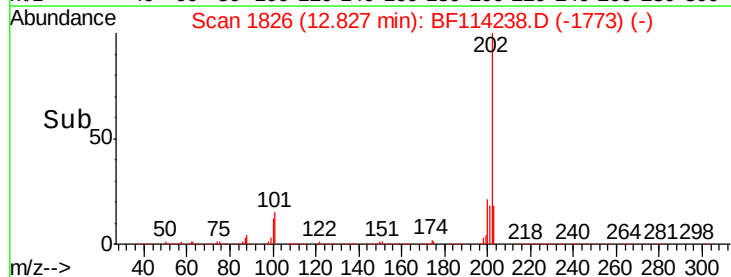
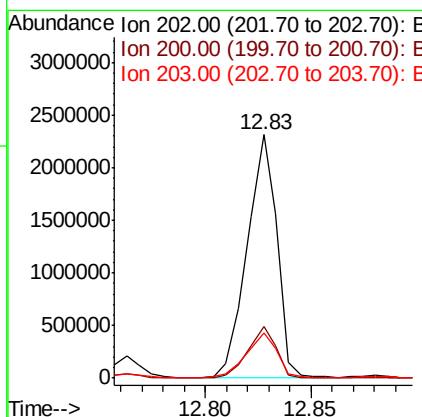
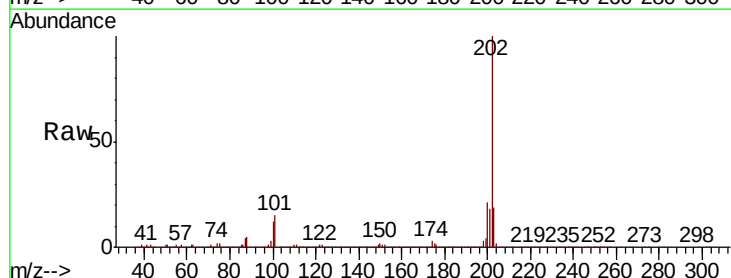
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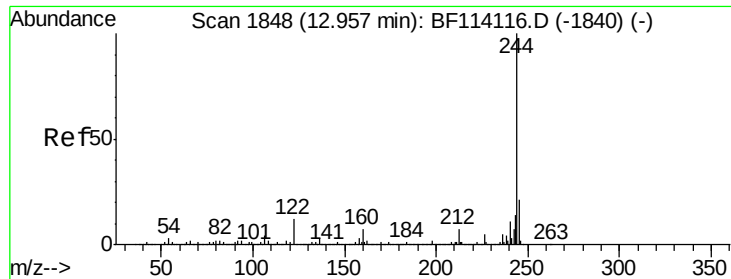
Sohil
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#78
Pyrene
Concen: 60.107 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.9	25.3
203	18.8	14.5	21.7





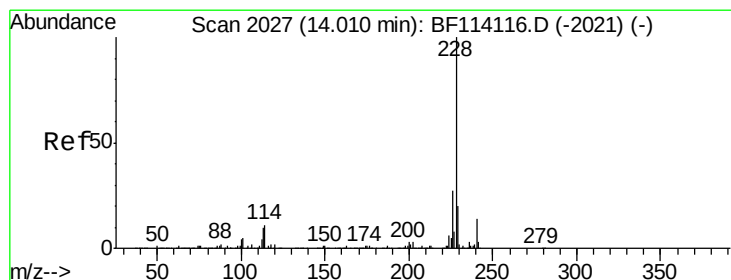
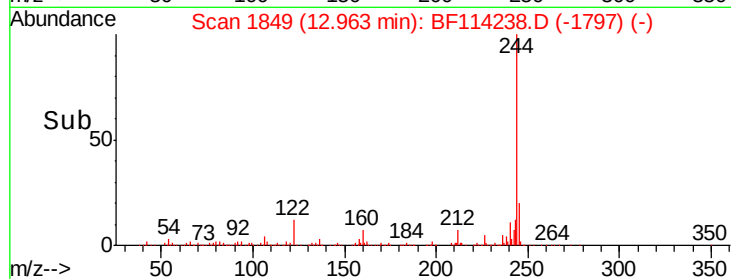
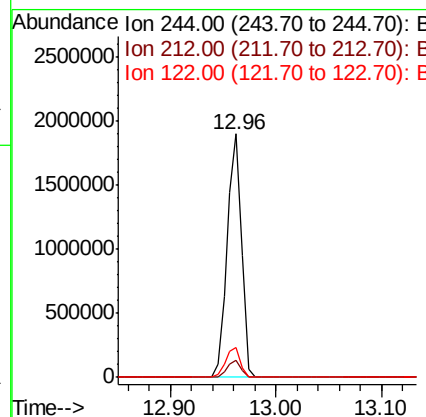
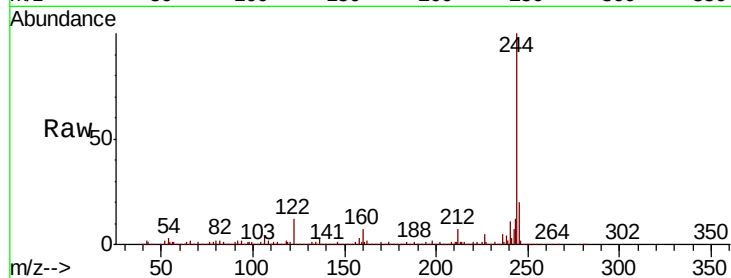
#79
 Terphenyl-d14
 Concen: 79.967 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. 0.01 min
 Lab File: BF114238.D
 Acq: 13 May 2019 19:18

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0206-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	12.3	9.4	14.2

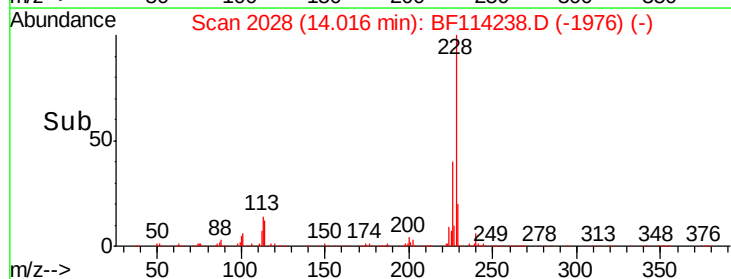
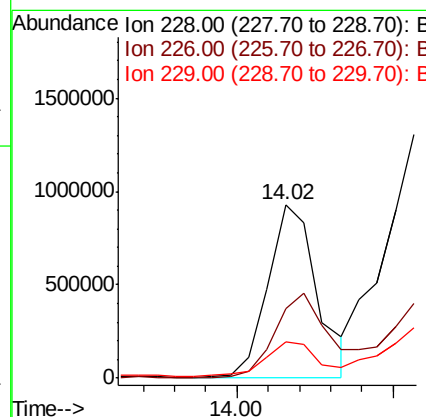
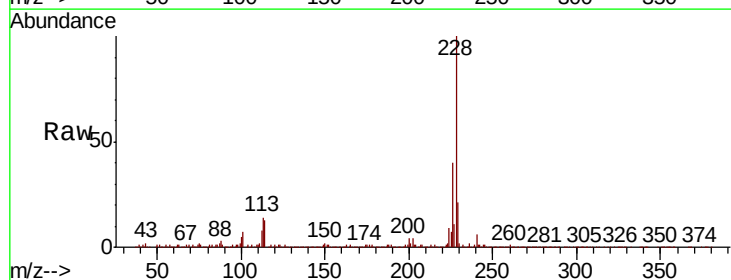
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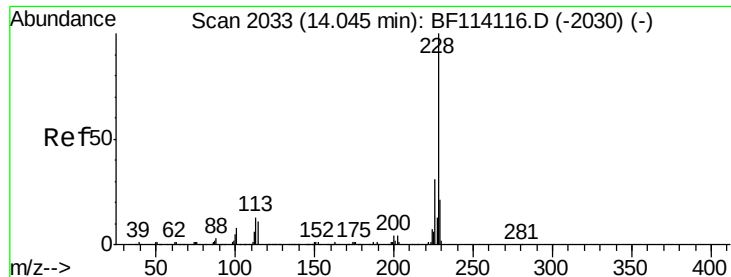
Sohil
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#81
 Benzo(a)anthracene
 Concen: 33.636 ng m
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BF114238.D
 Acq: 13 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.0	22.2	33.2#
229	20.9	16.4	24.6





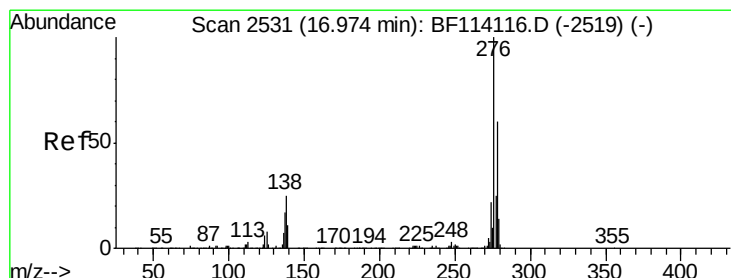
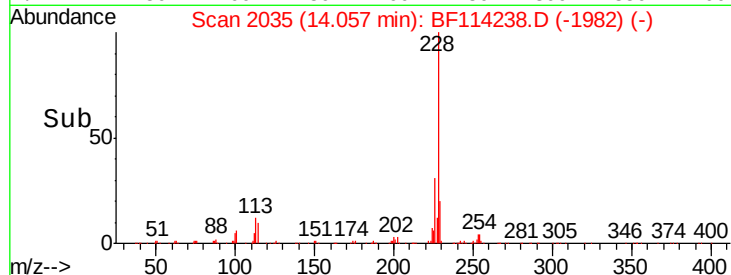
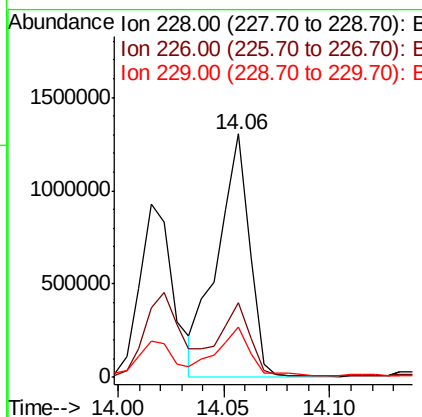
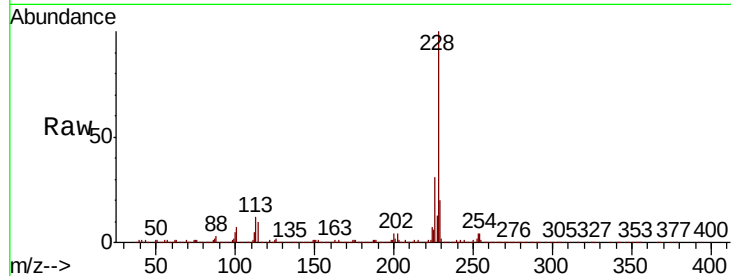
#83
Chrysene
Concen: 45.877 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0206-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	20.5	17.0	25.6

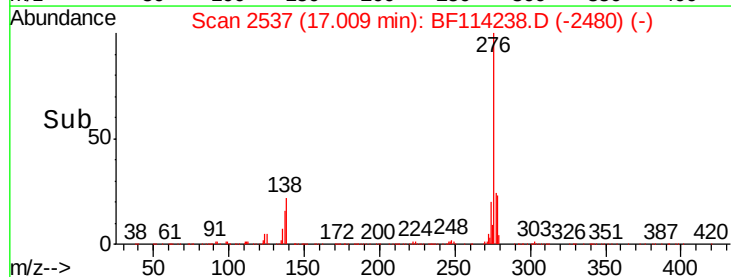
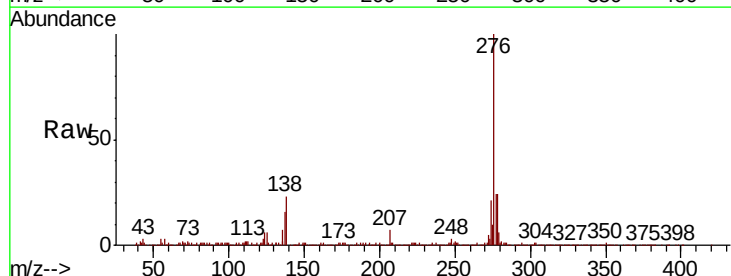
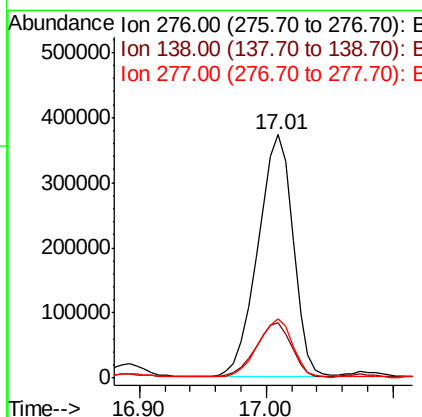
Manual Integrations
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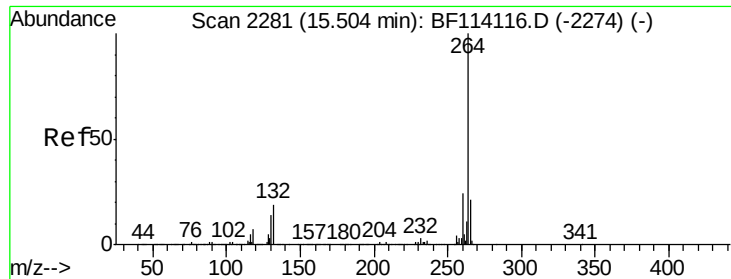
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#86
Indeno(1,2,3-cd)pyrene
Concen: 27.467 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.04 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.2	30.2
277	24.1	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.02 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

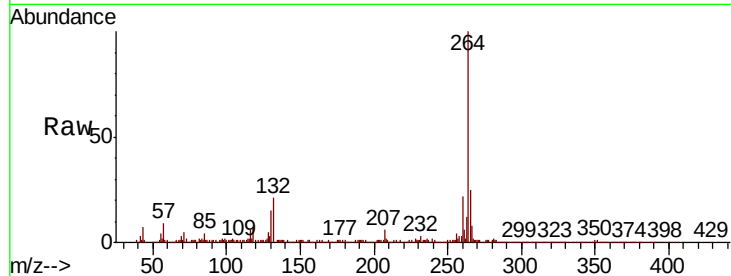
ClientSampleId :

P026-SS006-0206-01

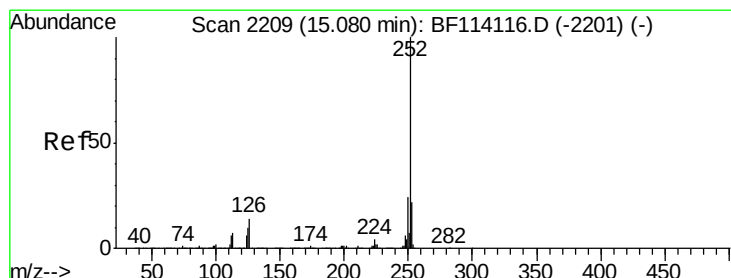
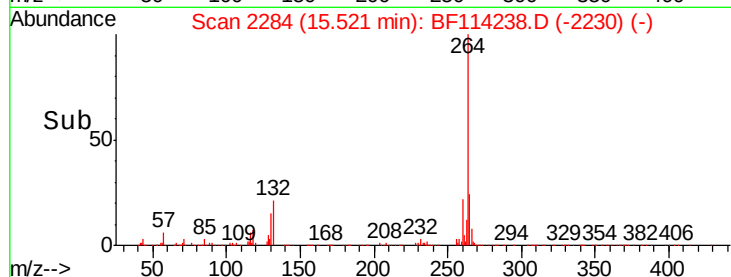
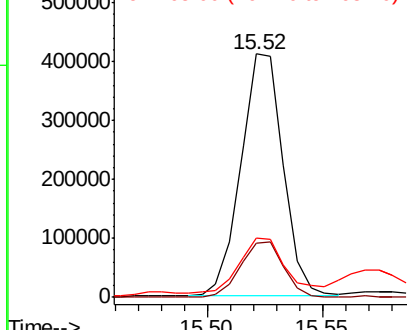
Tot Ion:	264	Resp:	524153
Ion Ratio		Lower	Upper
264	100		
260	22.5	19.4	29.0
265	24.5	16.9	25.3

Manual Integrations
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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: 47.500 ng m

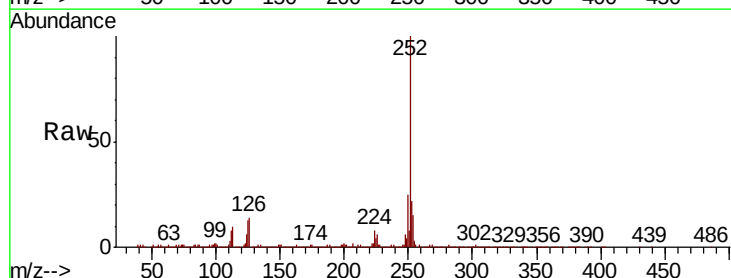
RT: 15.10 min Scan# 2212

Delta R.T. 0.02 min

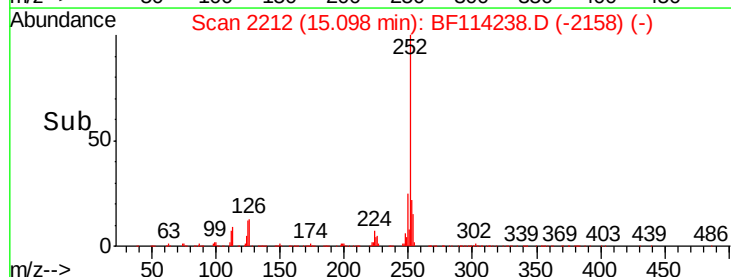
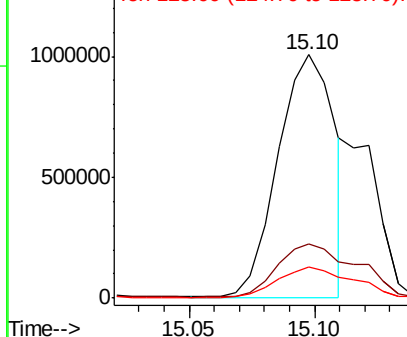
Lab File: BF114238.D

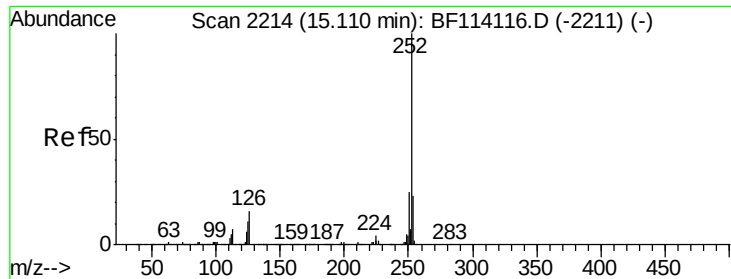
Acq: 13 May 2019 19:18

Tgt Ion:	252	Resp:	1595060
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.8	26.8
125	12.6	8.3	12.5#



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





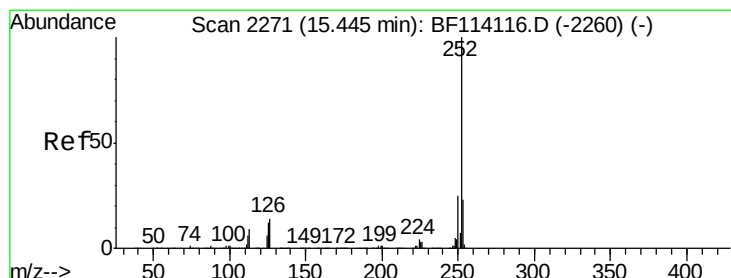
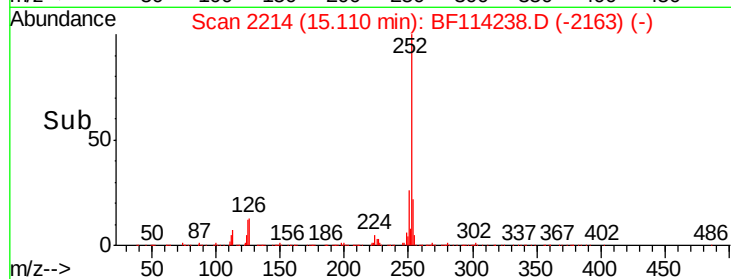
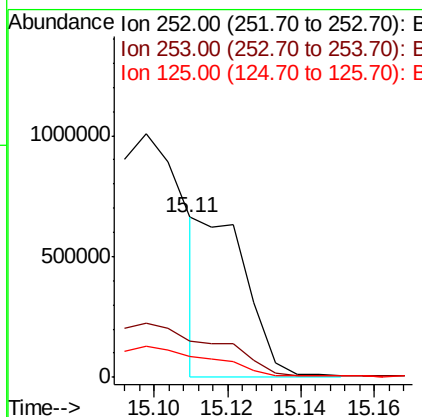
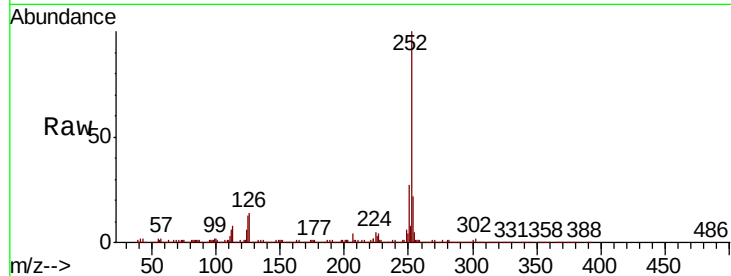
#89
Benzo(k)fluoranthene
Concen: 18.956 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.00 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0206-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	12.7	8.6	13.0

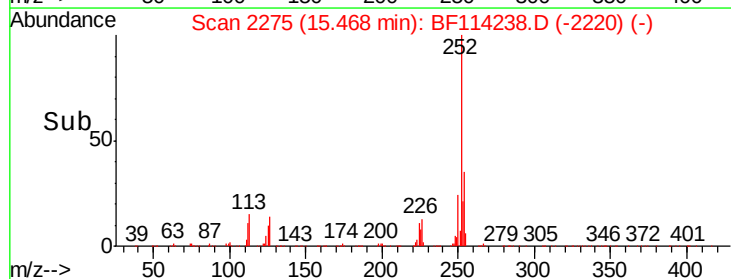
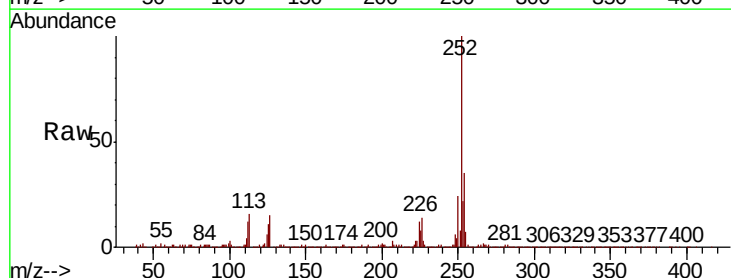
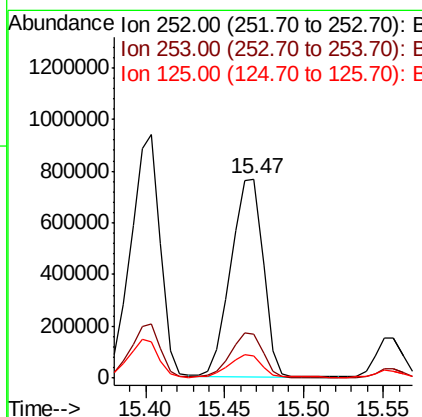
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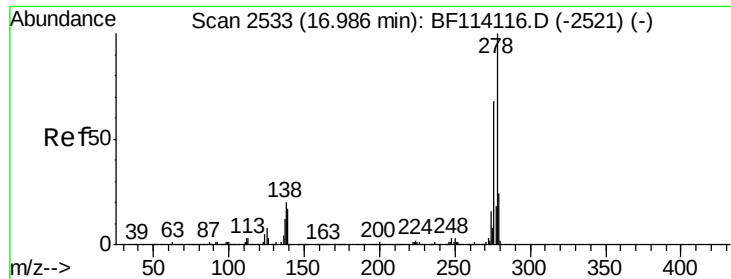
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#90
Benzo(a)pyrene
Concen: 36.661 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	11.1	9.5	14.3





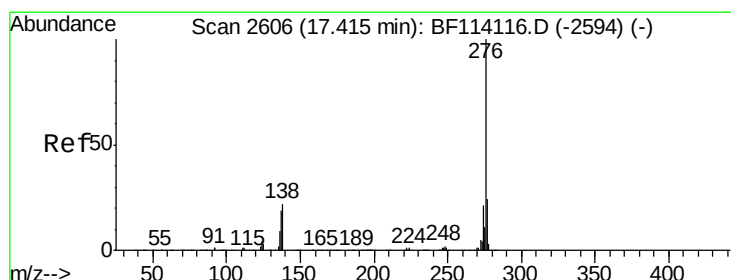
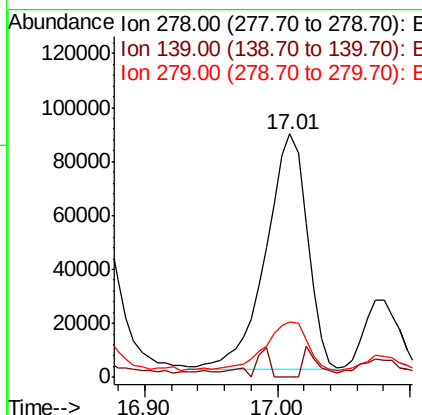
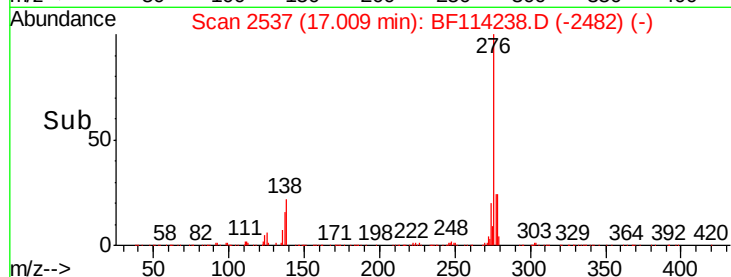
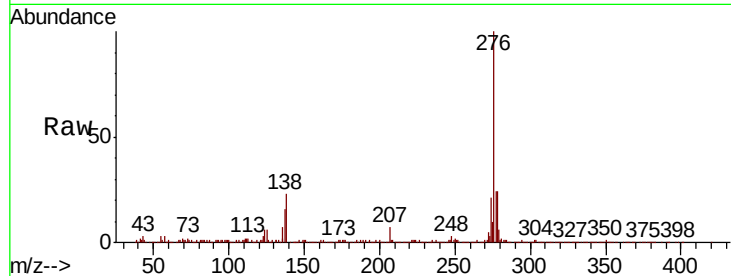
#91
Dibenzo(a,h)anthracene
Concen: 7.669 ng m
RT: 17.01 min Scan# 2537
Delta R.T. 0.02 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0206-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	22.8	19.0	28.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 32.162 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.05 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	22.2	17.8	26.6

