

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
 Data File : BF114358.D
 Acq On : 17 May 2019 18:58
 Operator : JU/SJ
 Sample : K2894-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-9-10

Manual Integrations
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Quant Time: May 18 05:40:55 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	6.85	152	183814	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	721570	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	344382	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	676976	20.00	ng	0.00
76) Chrysene-d12	14.02	240	494655	20.00	ng	0.00
87) Perylene-d12	15.51	264	459748	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1089268	95.36	ng	0.00
7) Phenol-d6	6.49	99	1439376	106.55	ng	0.00
23) Nitrobenzene-d5	7.41	82	872833	67.88	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	348016	97.75	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1450926	63.73	ng	0.00
79) Terphenyl-d14	12.95	244	1350697	56.29	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	212261	8.396	ng	Qvalue 100
71) Phenanthrene	11.39	178	85078	2.583	ng	96
75) Fluoranthene	12.59	202	237480	6.696	ng	97
78) Pyrene	12.82	202	239504	6.019	ng	97
81) Benzo(a)anthracene	14.01	228	165101	5.160	ng	94
83) Chrysene	14.04	228	157952	5.036	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	142466	5.140	ng	97
88) Benzo(b)fluoranthene	15.08	252	308604m	10.477	ng	
89) Benzo(k)fluoranthene	15.10	252	93588m	3.459	ng	
90) Benzo(a)pyrene	15.44	252	267577	10.322	ng	97
92) Benzo(g,h,i)perylene	17.44	276	135176	6.262	ng	95

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

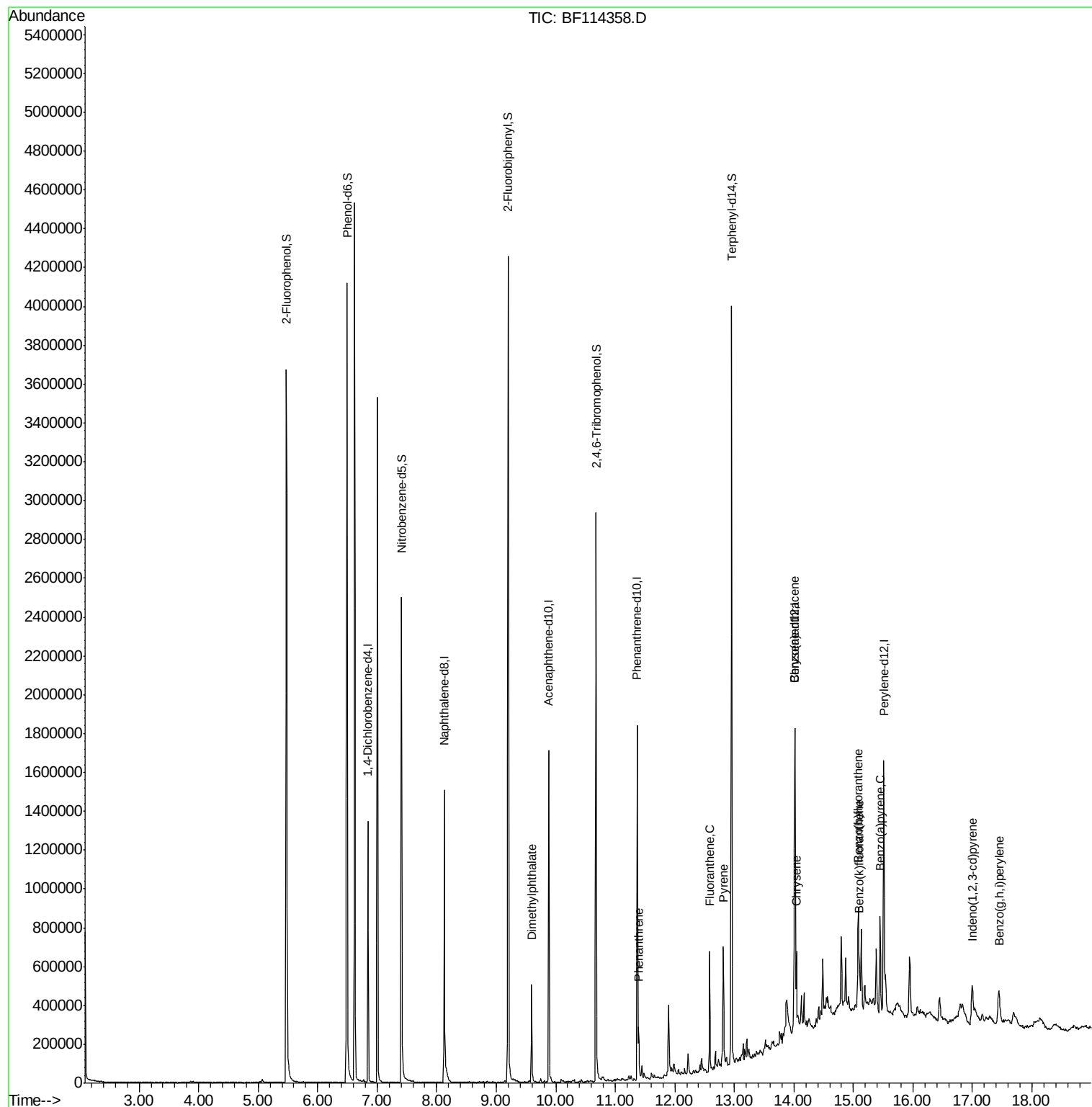
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
Data File : BF114358.D
Acq On : 17 May 2019 18:58
Operator : JU/SJ
Sample : K2894-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

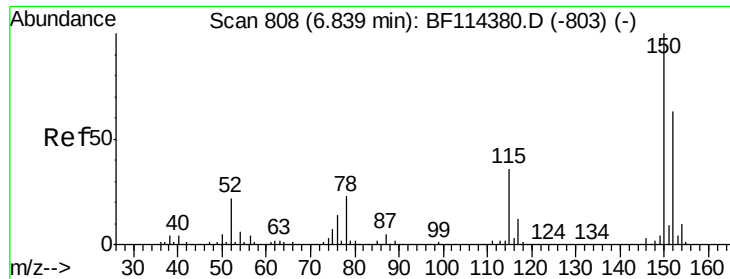
Instrument :
BNA_F
ClientSampleId :
SB-04-9-10

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

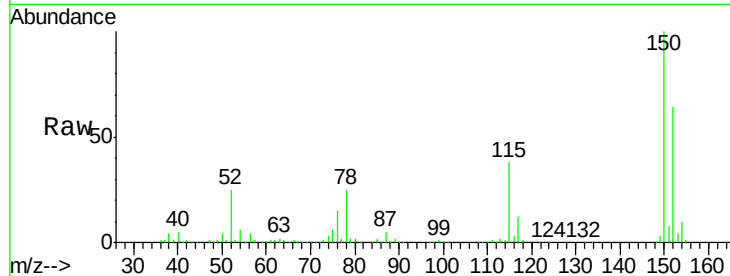
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Instrument :
BNA_F
ClientSampled :
SB-04-9-10

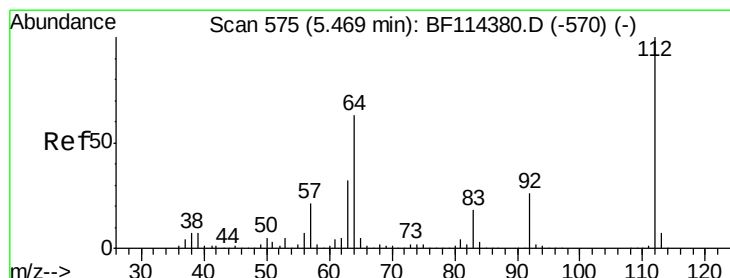
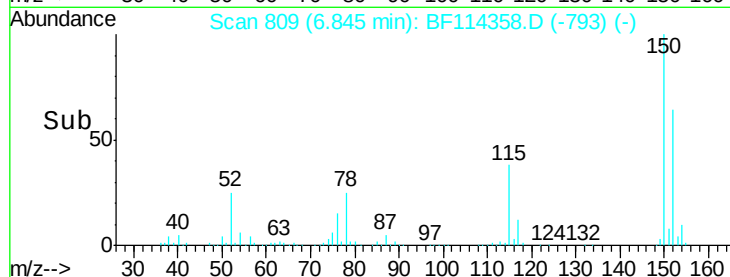
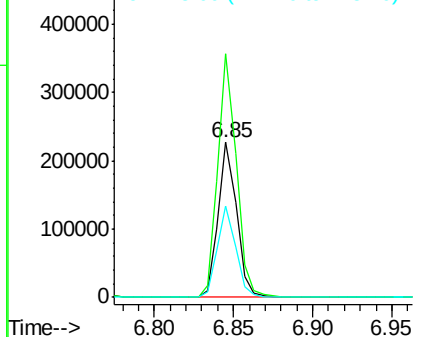
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	183814		
150	157.3	124.3	186.5	
115	59.3	49.1	73.7	

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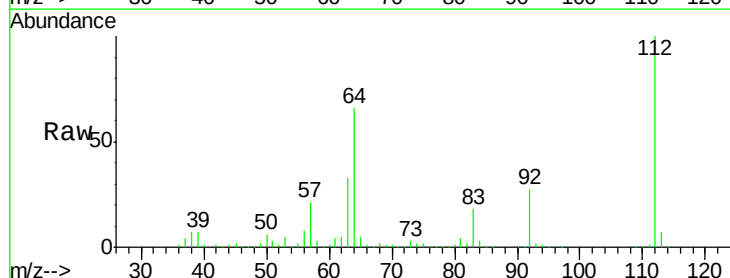
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



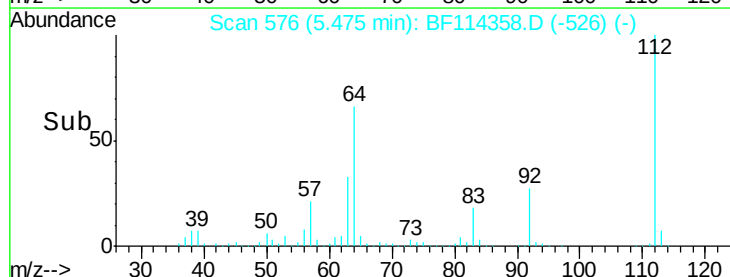
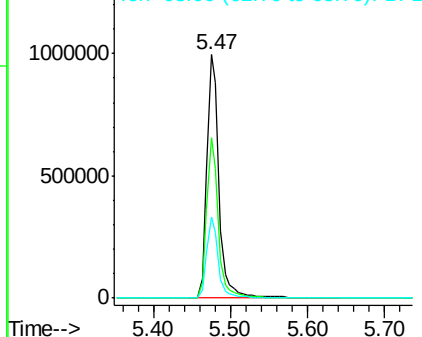
#5

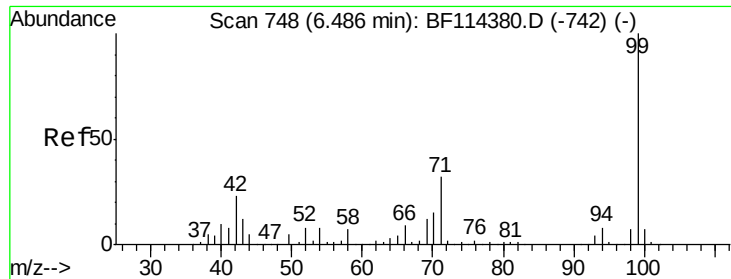
2-Fluorophenol
Concen: 95.364 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1089268		
64	66.0	49.0	73.6	
63	33.5	24.6	37.0	



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 106.546 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Instrument :

BNA_F

ClientSampleId :

SB-04-9-10

Tgt Ion: 99 Resp: 1439376

Ion Ratio Lower Upper

99 100

42 21.8 17.9 26.9

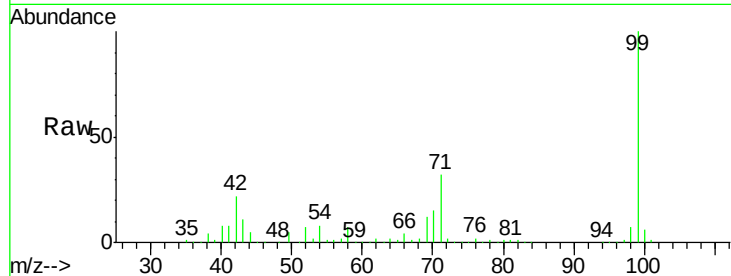
71 32.3 26.2 39.2

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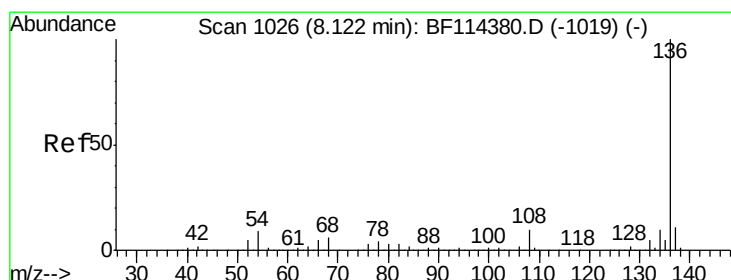
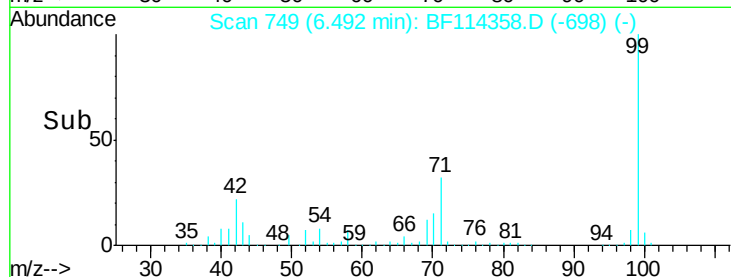
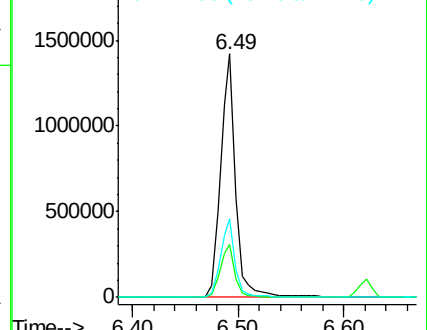
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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# 1027

Delta R.T. -0.01 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Tgt Ion: 136 Resp: 721570

Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 9.7 7.8 11.8

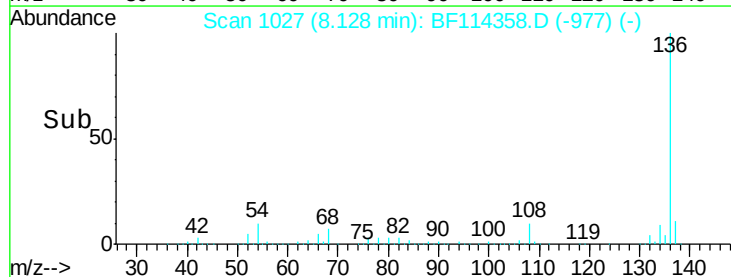
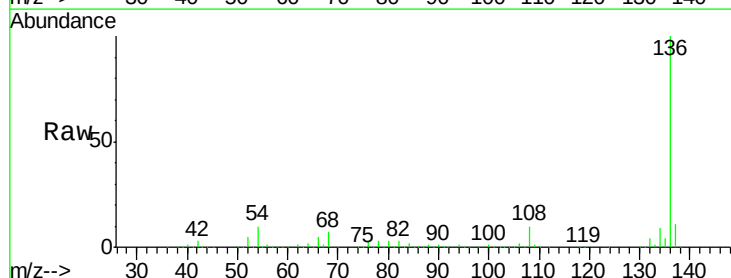
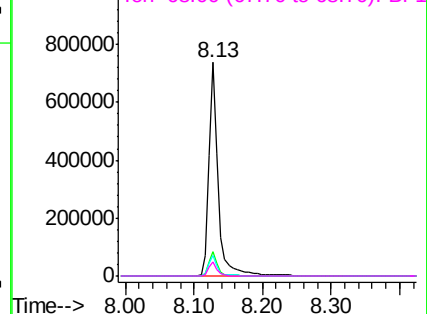
68 6.9 5.1 7.7

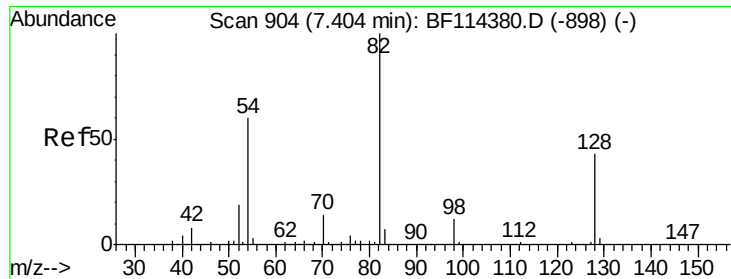
Abundance Ion 136.00 (135.70 to 136.70): E

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





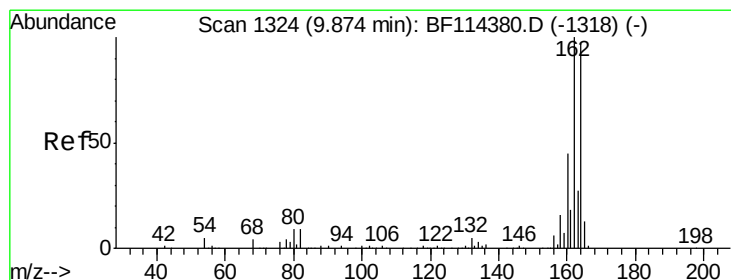
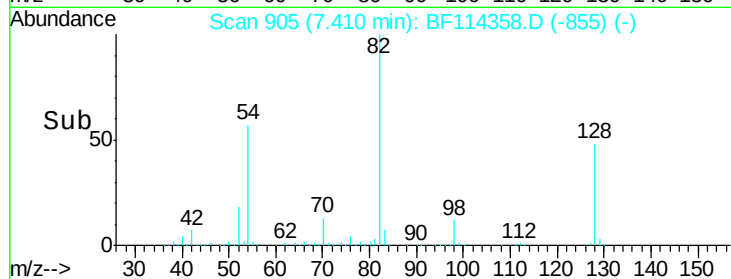
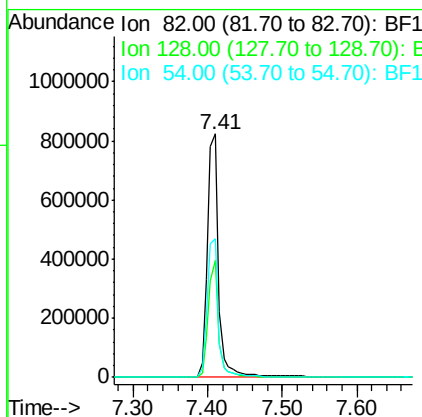
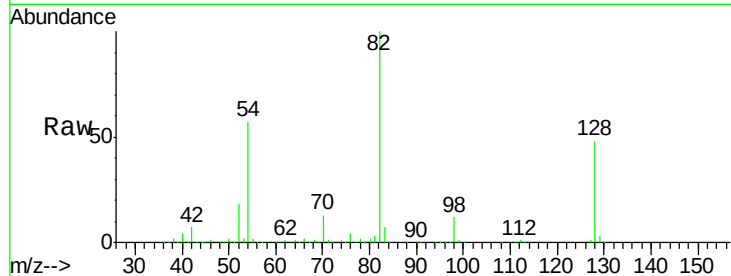
#23
 Nitrobenzene-d5
 Concen: 67.885 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114358.D
 Acq: 17 May 2019 18:58

Instrument :
 BNA_F
 ClientSampled :
 SB-04-9-10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	872833		
128	48.0	35.5	53.3	
54	56.8	48.5	72.7	

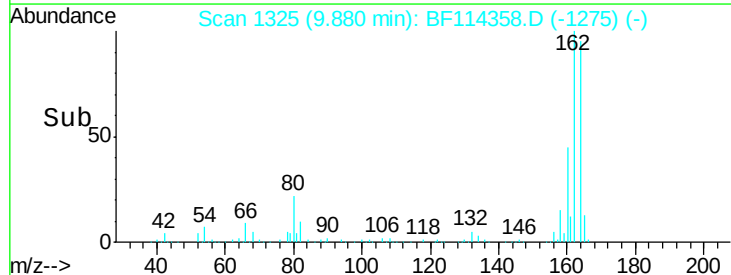
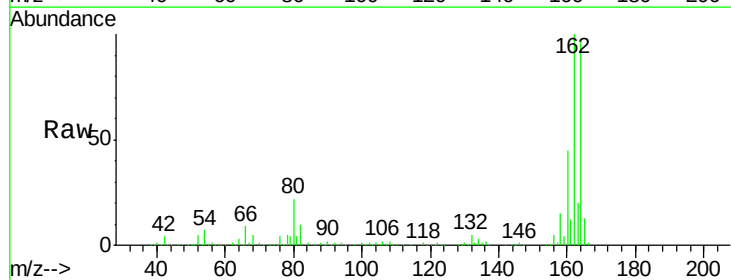
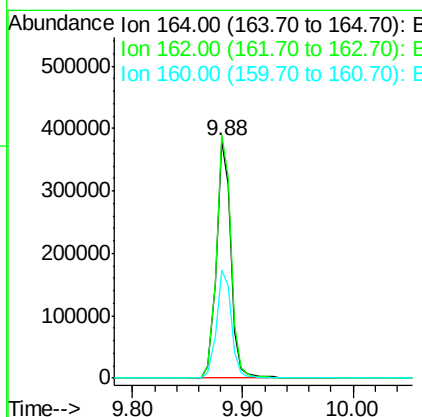
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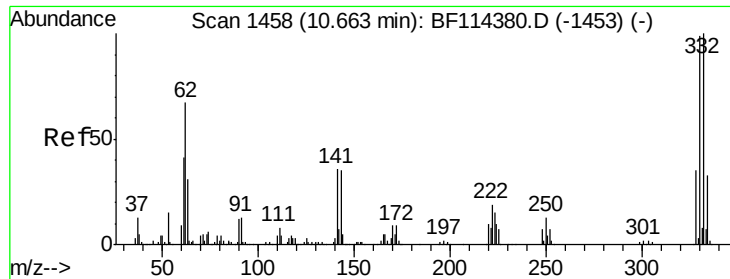
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF114358.D
 Acq: 17 May 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	344382		
162	102.6	80.6	120.8	
160	45.7	36.5	54.7	





#42

2,4,6-Tribromophenol

Concen: 97.748 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Instrument :

BNA_F

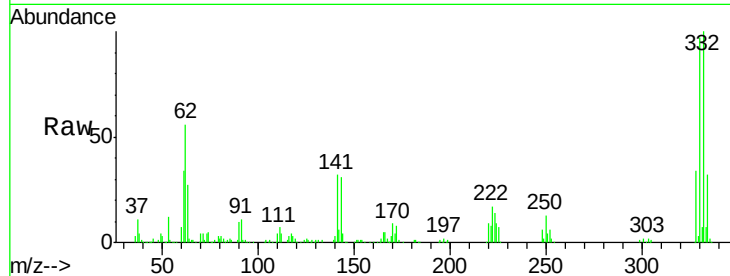
ClientSampled :

SB-04-9-10

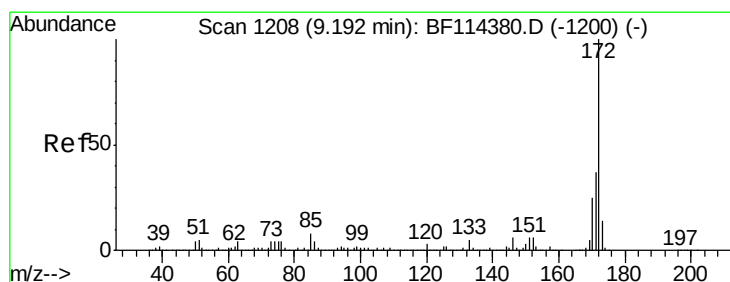
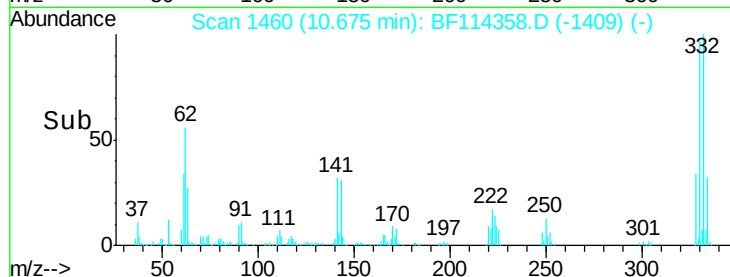
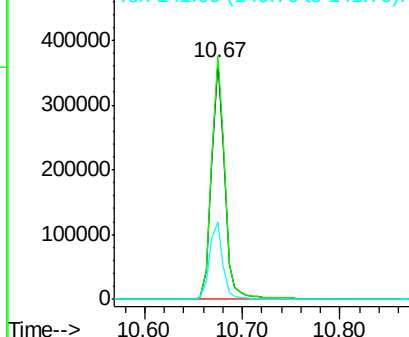
Tgt Ion:	330	Resp:	348016
Ion Ratio	Lower	Upper	
330	100		
332	102.7	81.4	122.2
141	33.0	26.6	40.0

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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: 63.731 ng

RT: 9.20 min Scan# 1210

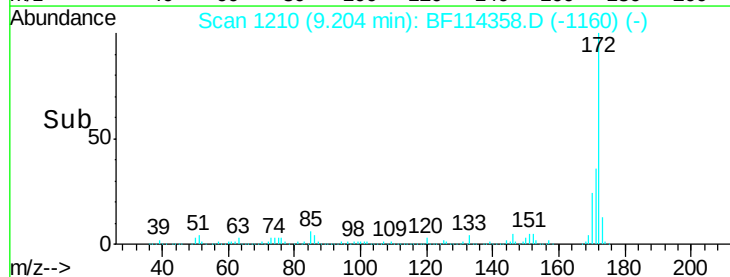
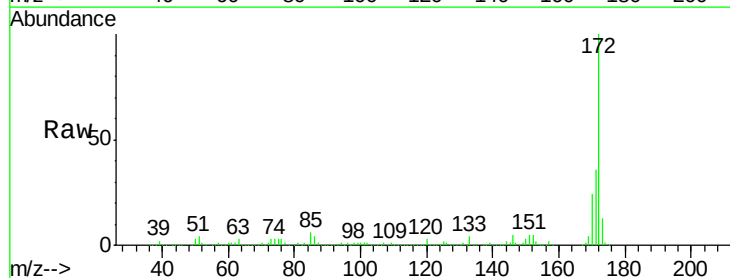
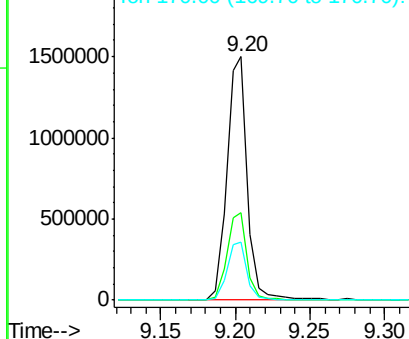
Delta R.T. -0.01 min

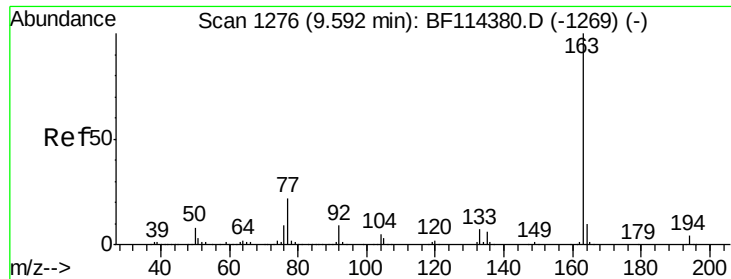
Lab File: BF114358.D

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Tgt Ion:	172	Resp:	1450926
Ion Ratio	Lower	Upper	
172	100		
171	35.8	30.7	46.1
170	23.6	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





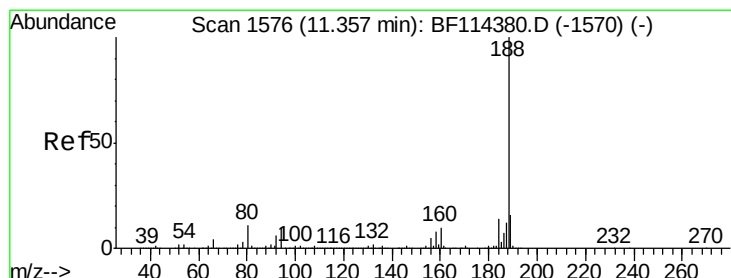
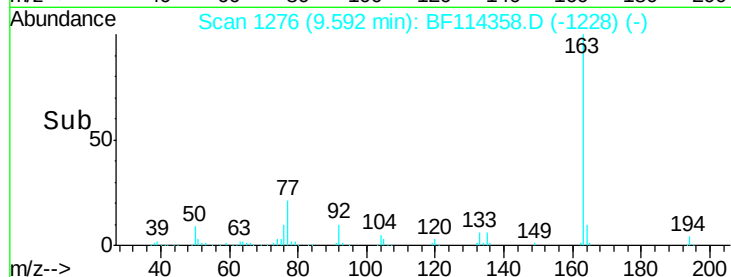
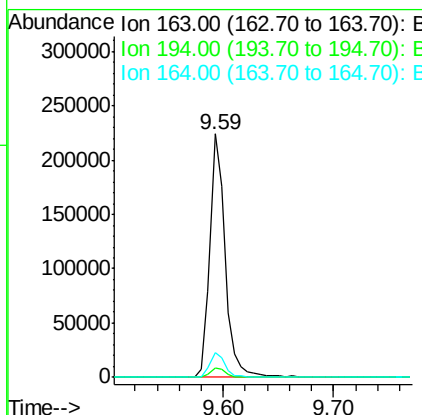
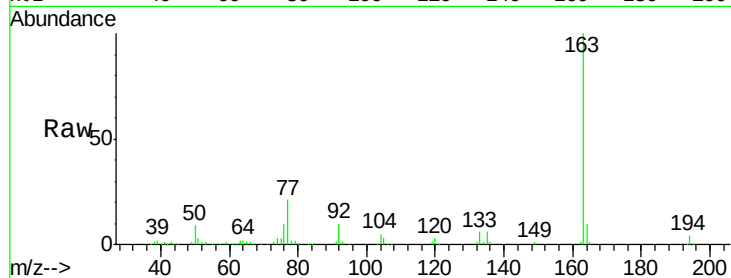
#50
Dimethylphthalate
Concen: 8.396 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Instrument :
BNA_F
ClientSampleId :
SB-04-9-10

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	212261		
194	4.0	3.4	5.0	
164	10.2	8.2	12.2	

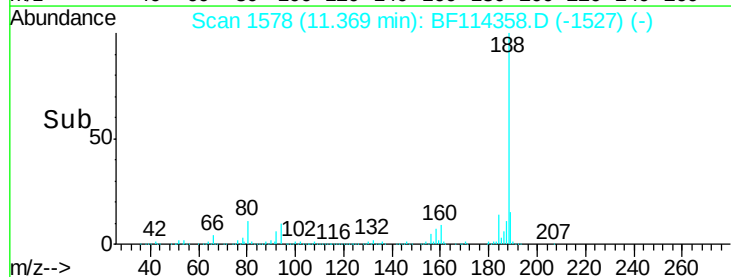
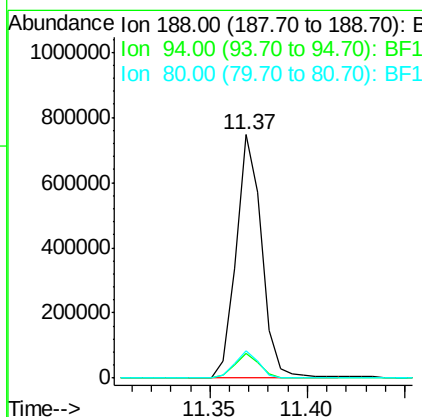
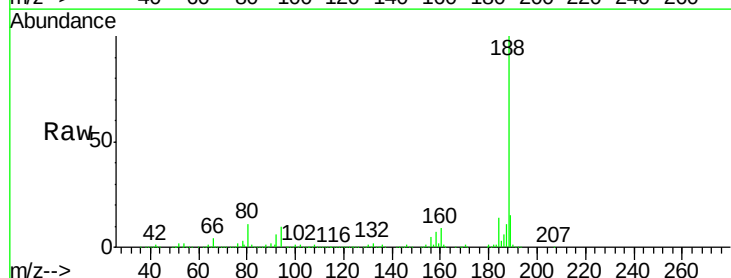
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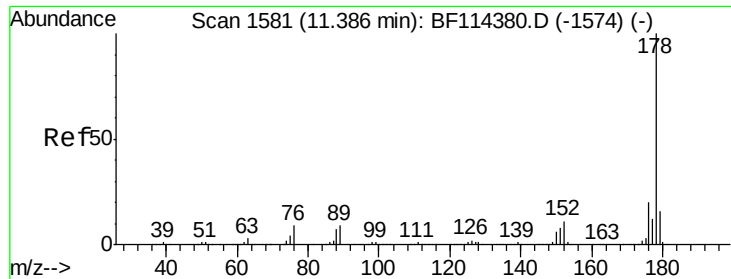
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	676976		
94	10.4	8.4	12.6	
80	11.3	9.2	13.8	





#71

Phenanthrene

Concen: 2.583 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Instrument :

BNA_F

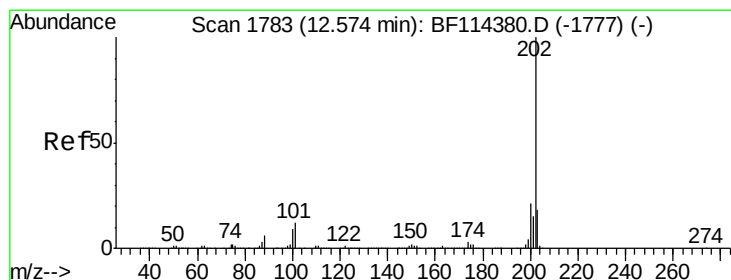
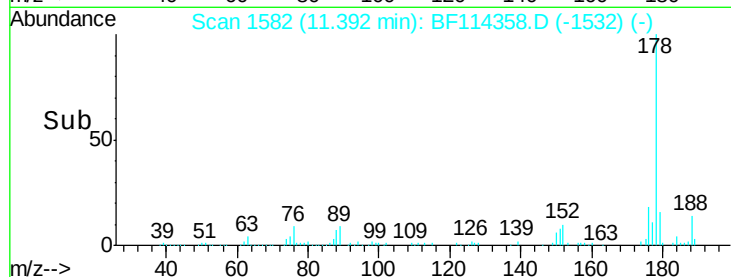
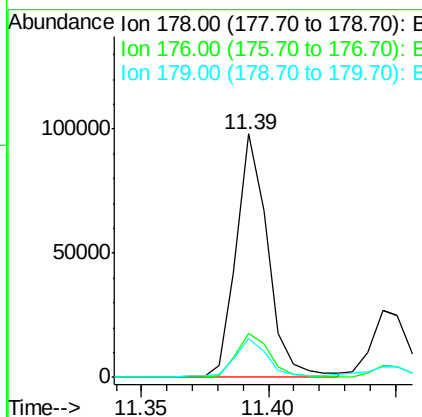
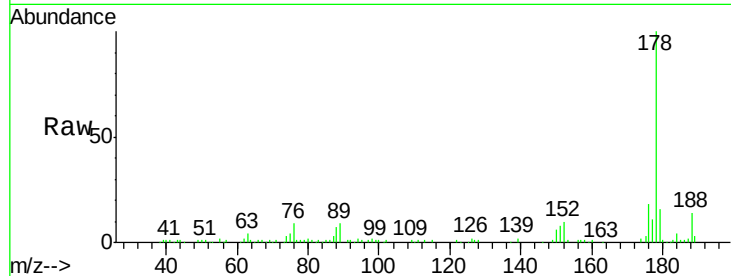
ClientSampled :

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Tgt Ion:	178	Resp:	85078
Ion Ratio	Lower	Upper	
178	100		
176	18.0	16.4	24.6
179	15.8	13.2	19.8

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#75

Fluoranthene

Concen: 6.696 ng

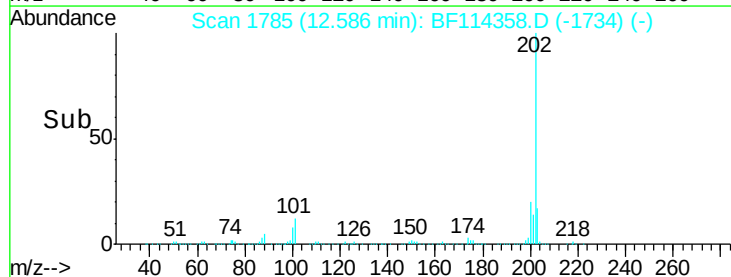
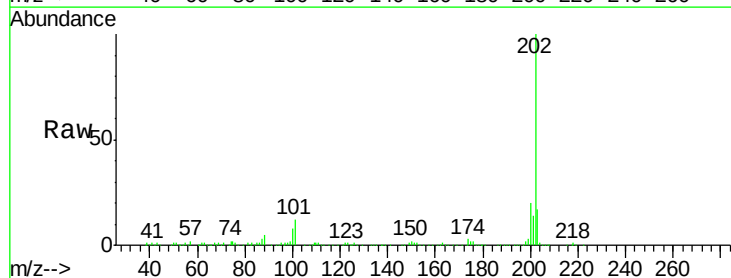
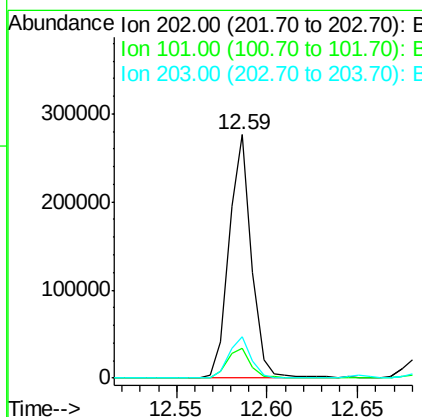
RT: 12.59 min Scan# 1785

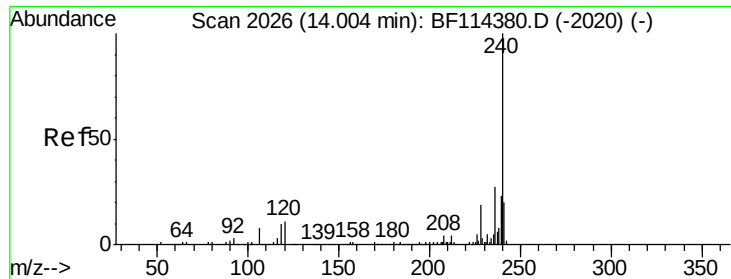
Delta R.T. -0.00 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Tgt Ion:	202	Resp:	237480
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	31.0
203	17.2	0.0	38.4





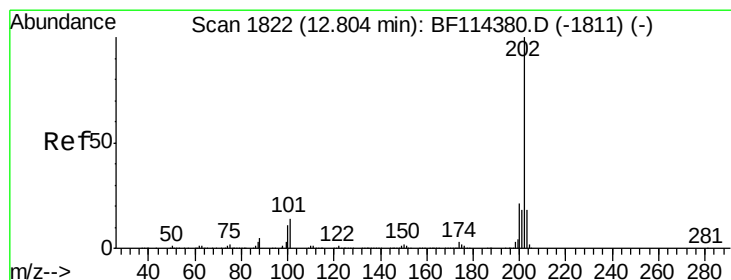
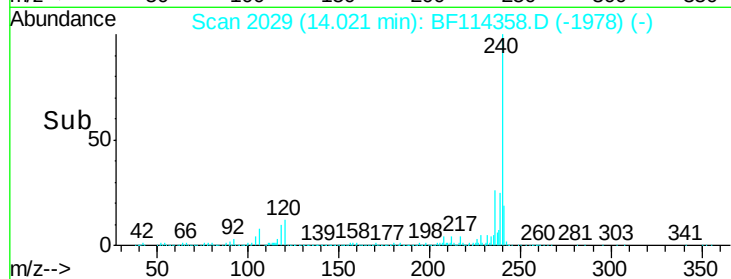
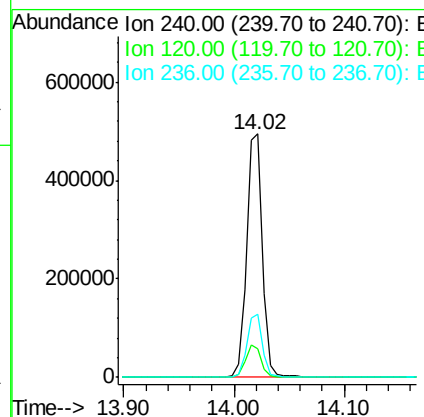
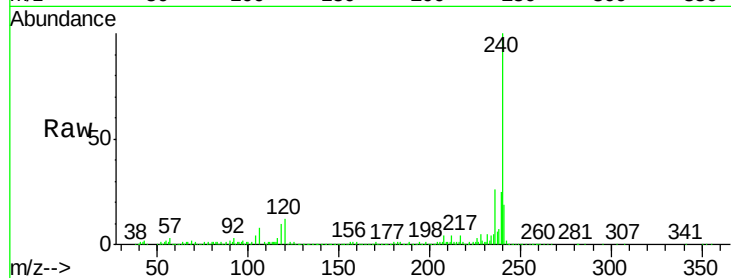
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Instrument :
BNA_F
ClientSampleId :
SB-04-9-10

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	494655		
120	11.6	8.3	12.5	
236	25.7	20.8	31.2	

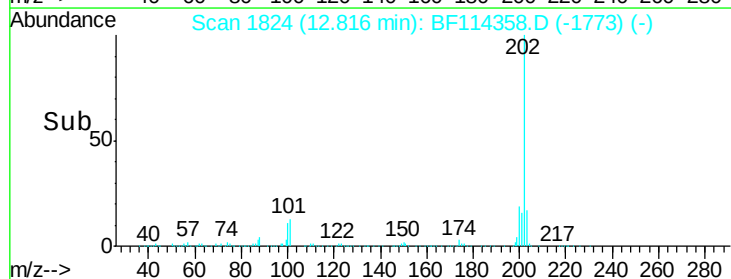
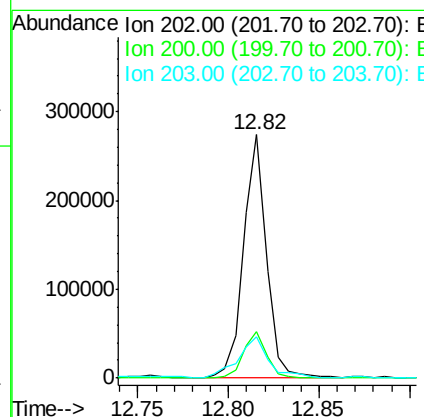
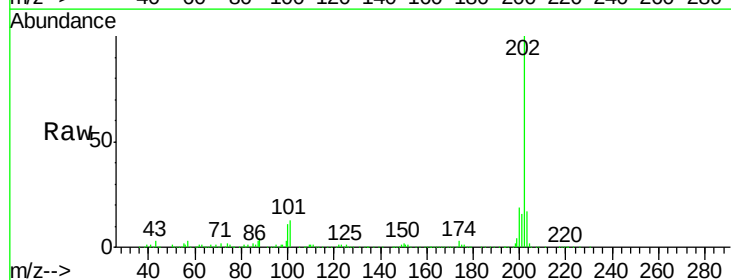
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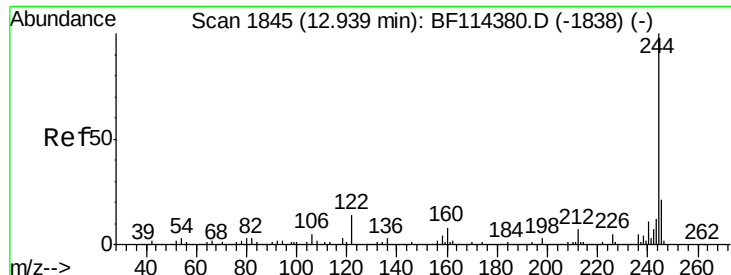
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#78
Pyrene
Concen: 6.019 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	239504		
200	19.3	16.9	25.3	
203	17.2	14.5	21.7	





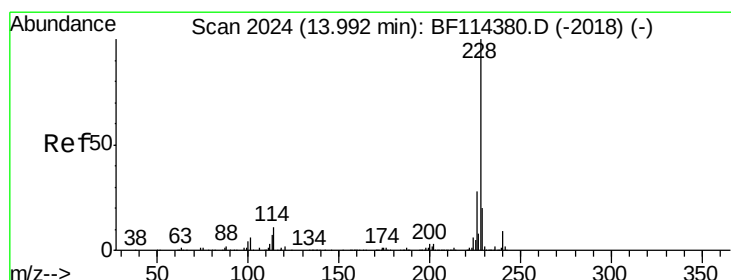
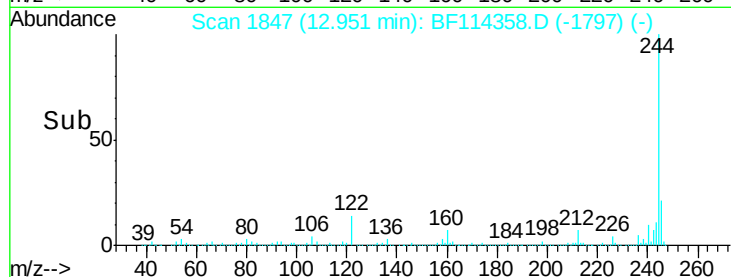
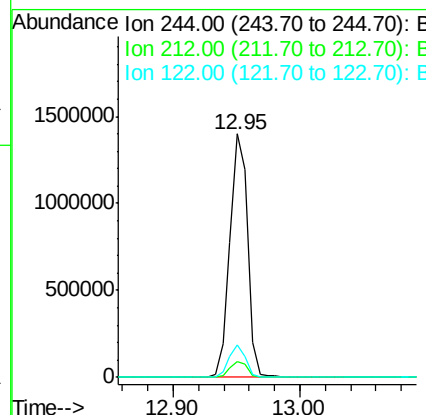
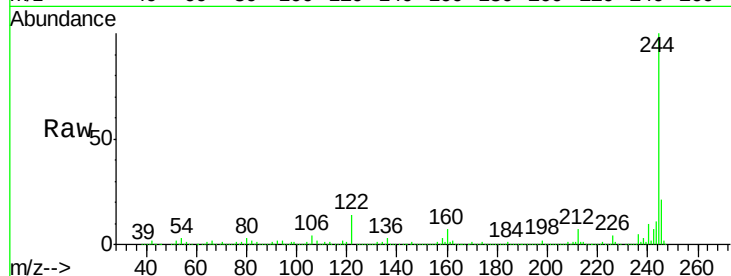
#79
 Terphenyl-d14
 Concen: 56.289 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114358.D
 Acq: 17 May 2019 18:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-9-10

Tgt Ion:244 Resp: 1350697
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 13.5 9.4 14.2

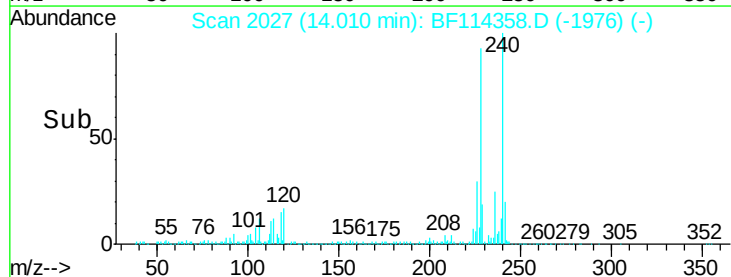
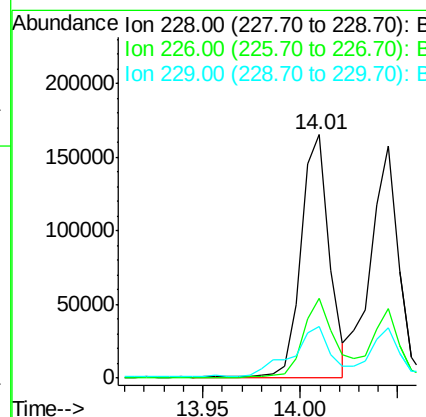
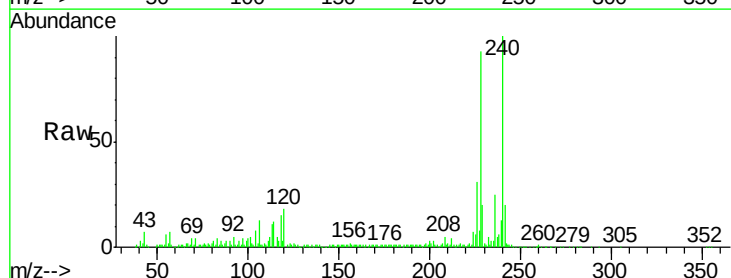
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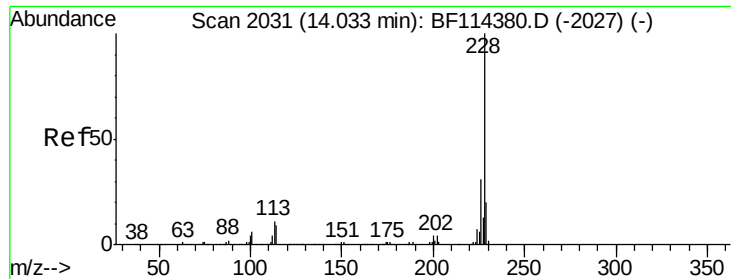
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#81
 Benzo(a)anthracene
 Concen: 5.160 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: BF114358.D
 Acq: 17 May 2019 18:58

Tgt Ion:228 Resp: 165101
 Ion Ratio Lower Upper
 228 100
 226 33.0 22.2 33.2
 229 21.2 16.4 24.6





#83

Chrysene

Concen: 5.036 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Instrument :

BNA_F

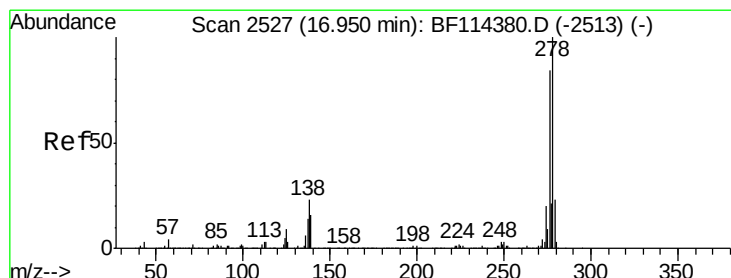
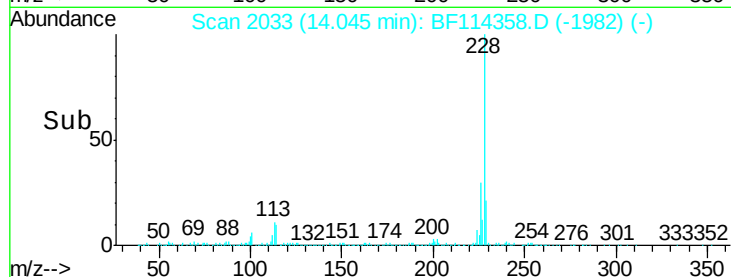
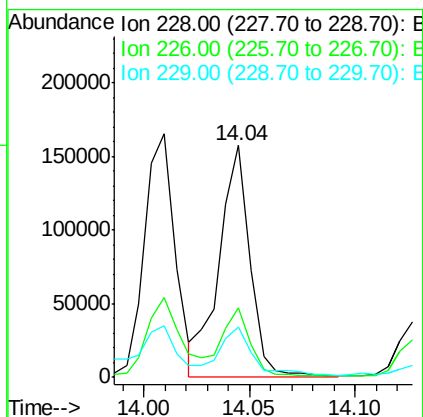
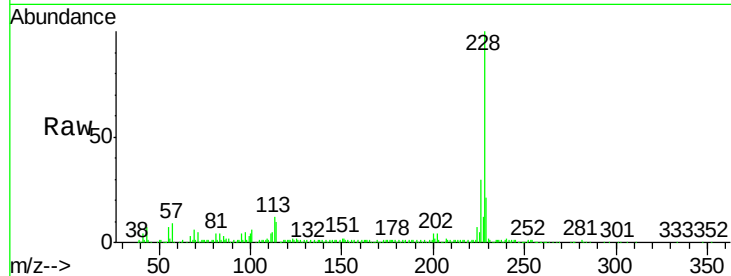
ClientSampleId :

SB-04-9-10

Tgt Ion:	228	Resp:	157952
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.6
229	21.5	17.0	25.6

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#86

Indeno(1,2,3-cd)pyrene

Concen: 5.140 ng

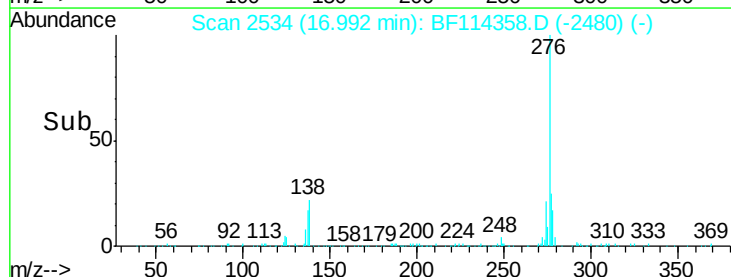
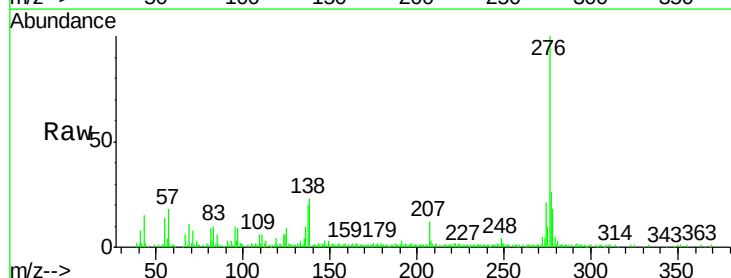
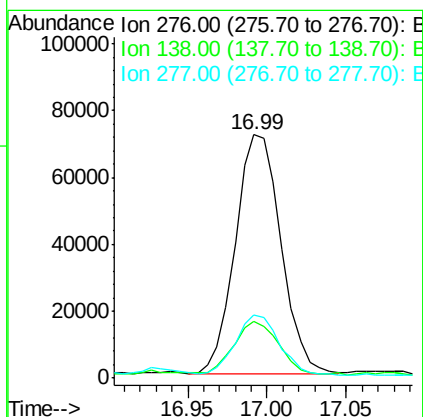
RT: 16.99 min Scan# 2534

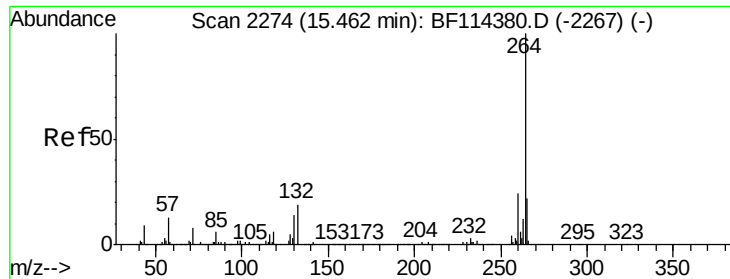
Delta R.T. 0.02 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Tgt Ion:	276	Resp:	142466
Ion Ratio	Lower	Upper	
276	100		
138	22.7	20.2	30.2
277	24.7	20.0	30.0





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Instrument :

BNA_F

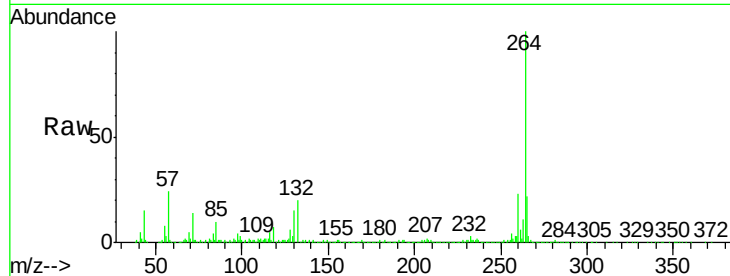
ClientSampled :

SB-04-9-10

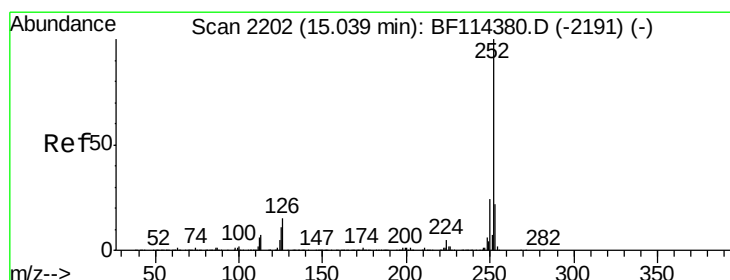
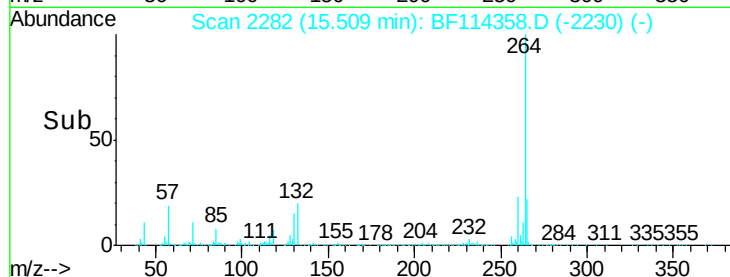
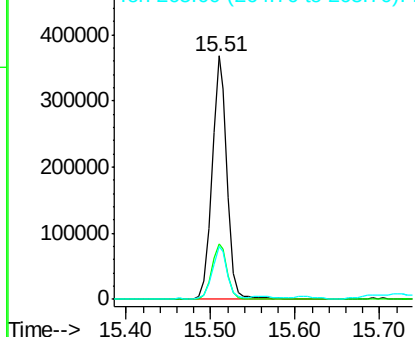
Tgt Ion:	264	Resp:	459748
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.4	29.0
265	21.9	16.9	25.3

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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: 10.477 ng m

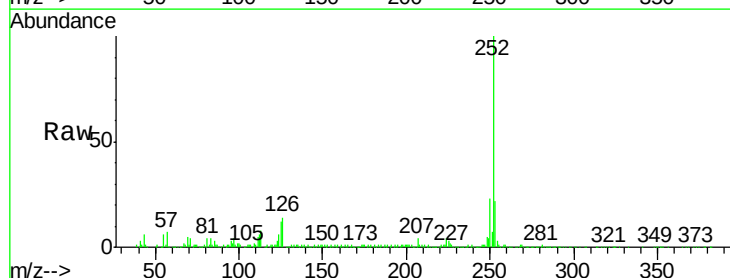
RT: 15.08 min Scan# 2209

Delta R.T. -0.00 min

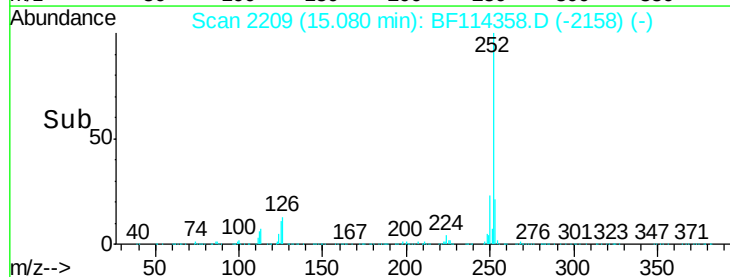
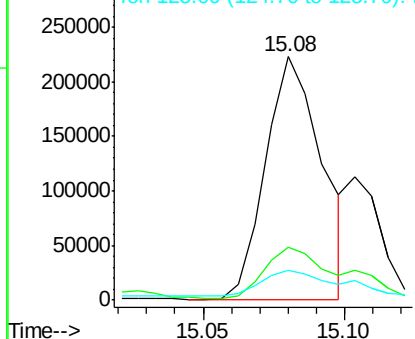
Lab File: BF114358.D

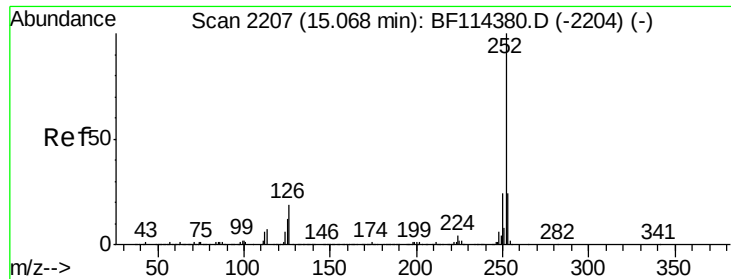
Acq: 17 May 2019 18:58

Tgt Ion:	252	Resp:	308604
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.8	26.8
125	12.4	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





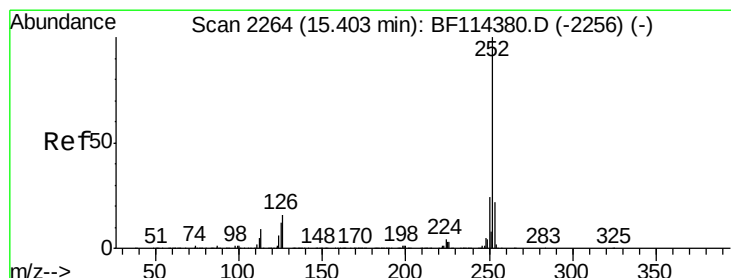
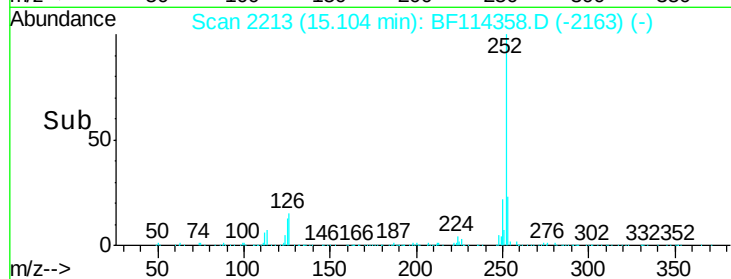
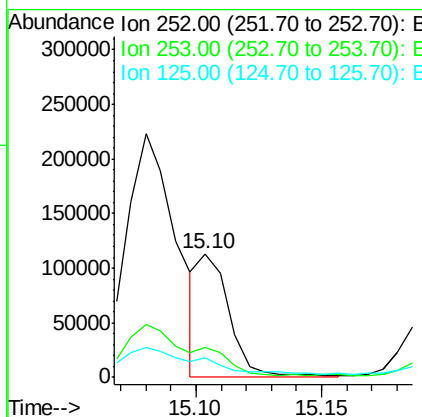
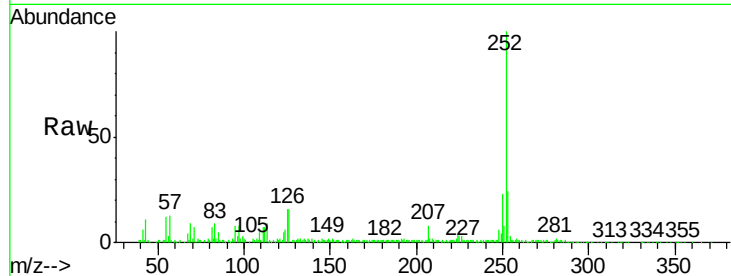
#89
Benzo(k)fluoranthene
Concen: 3.459 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Instrument :
BNA_F
ClientSampled :
SB-04-9-10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	15.6	8.6	13.0

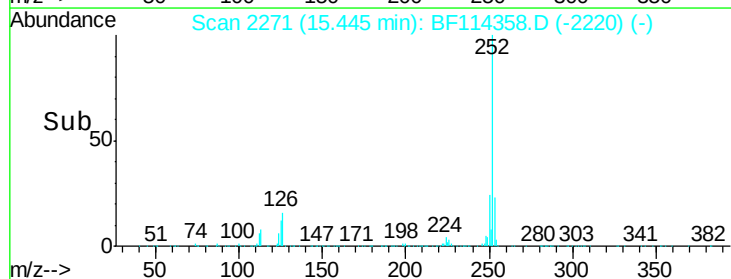
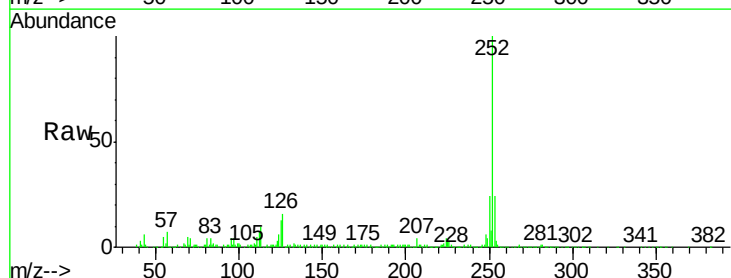
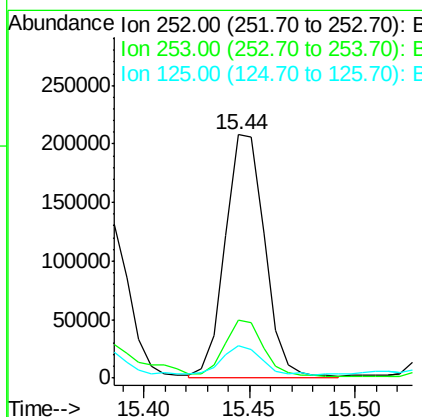
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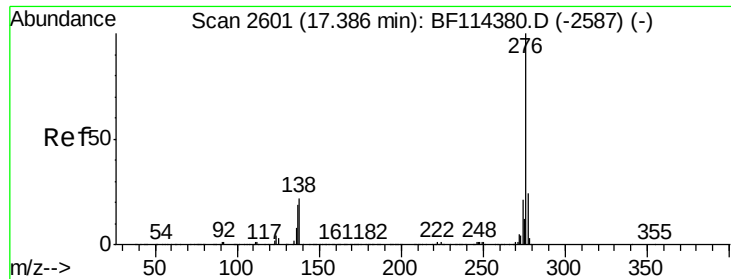
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#90
Benzo(a)pyrene
Concen: 10.322 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	13.5	9.5	14.3





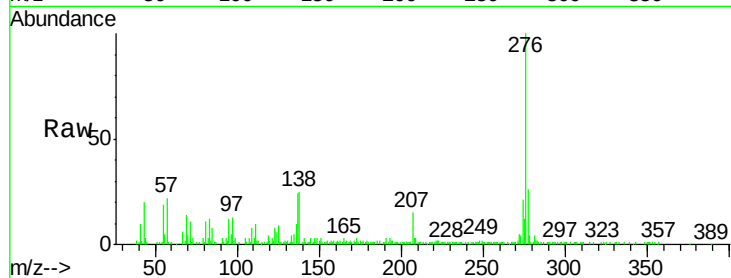
#92
 Benzo(g,h,i)perylene
 Concen: 6.262 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. 0.03 min
 Lab File: BF114358.D
 Acq: 17 May 2019 18:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-9-10

Tgt Ion:	276	Resp:	135176
Ion Ratio		Lower	Upper
276	100		
277	25.8	19.0	28.4
138	24.9	17.8	26.6

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

