

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
 Data File : BF114168.D
 Acq On : 11 May 2019 22:14
 Operator : JU/SJ
 Sample : K2765-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-1824-01

Manual Integrations
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 5/13/2019 8:35:57 PM

Quant Time: May 13 08:08:30 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	292292	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1098853	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	512982	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	1035778	20.00	ng	0.00
76) Chrysene-d12	14.00	240	596800	20.00	ng	-0.02
87) Perylene-d12	15.47	264	775507	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1905969	104.94	ng	0.00
7) Phenol-d6	6.49	99	2695726	125.49	ng	0.00
23) Nitrobenzene-d5	7.41	82	1650562	84.30	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	650034	122.57	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2558017	75.43	ng	0.00
79) Terphenyl-d14	12.95	244	2300810	79.47	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.74	152	128990	2.543	ng	96
50) Dimethylphthalate	9.59	163	562372	14.934	ng	99
71) Phenanthrene	11.39	178	641274	12.726	ng	97
75) Fluoranthene	12.58	202	914404	16.851	ng	98
78) Pyrene	12.81	202	1534247	31.957	ng	99
81) Benzo(a)anthracene	13.99	228	430254m	11.146	ng	
83) Chrysene	14.03	228	542852	14.346	ng	97
86) Indeno(1,2,3-cd)pyrene	16.92	276	331457	9.911	ng	96
88) Benzo(b)fluoranthene	15.04	252	590429m	11.884	ng	
89) Benzo(k)fluoranthene	15.06	252	177687m	3.893	ng	
90) Benzo(a)pyrene	15.40	252	392905	8.986	ng	98
92) Benzo(a,h,i)perylene	17.36	276	398438	10.942	ng	99

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

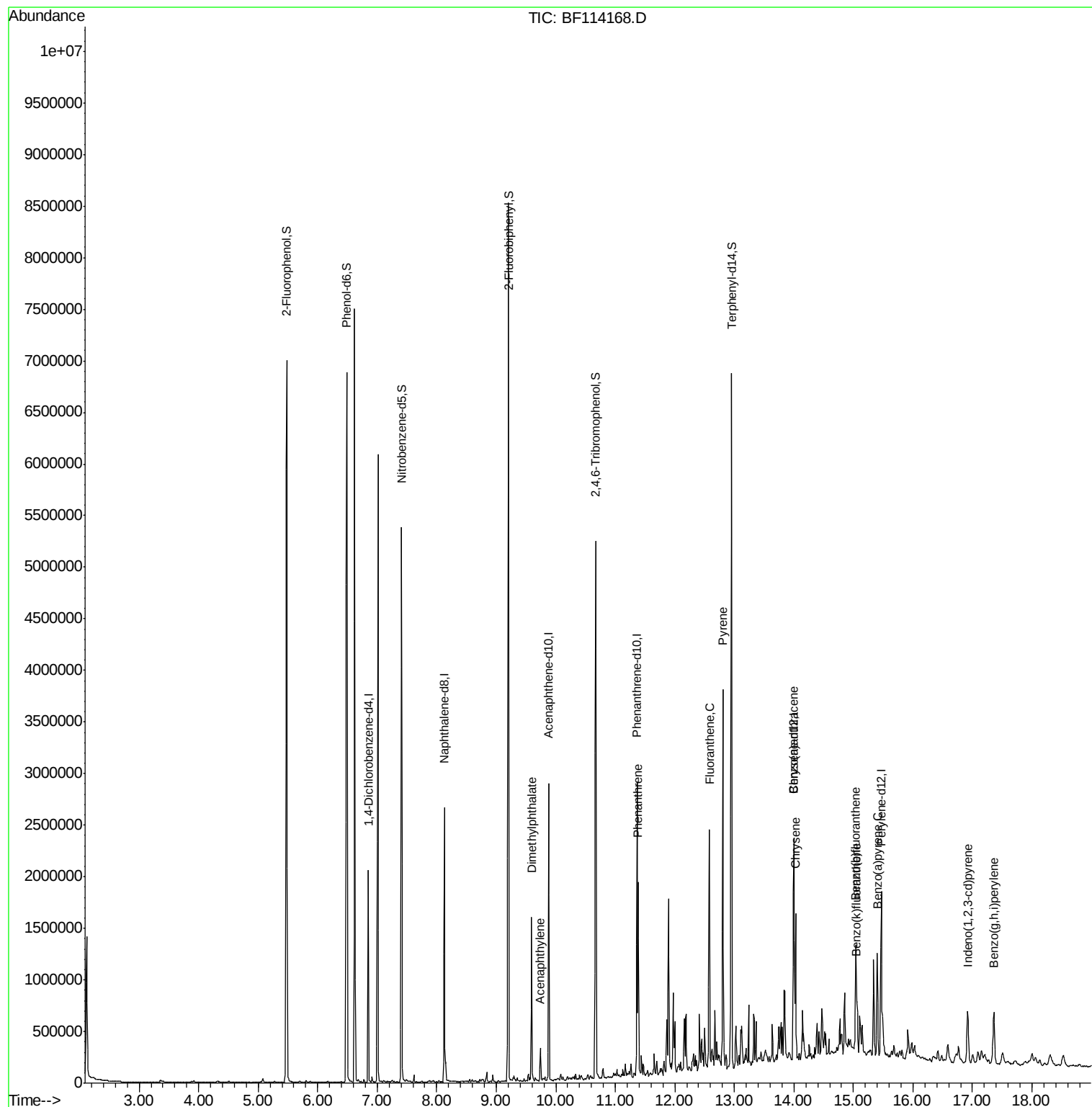
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114168.D
Acq On : 11 May 2019 22:14
Operator : JU/SJ
Sample : K2765-02
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ALS Vial : 8 Sample Multiplier: 1

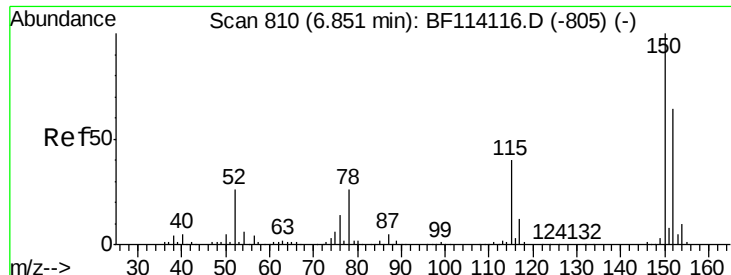
Instrument :
BNA_F
ClientSampleId :
P026-SS002-1824-01

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Quant Time: May 13 08:08:30 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

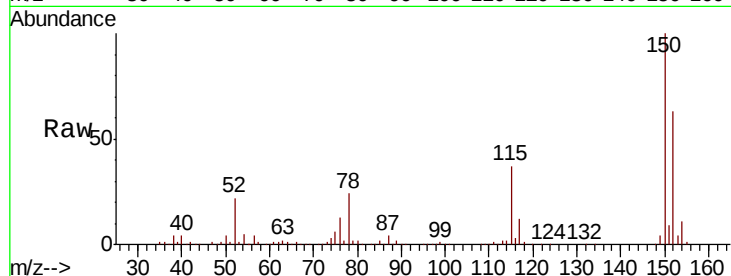
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1824-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.3	186.5
115	59.1	49.1	73.7

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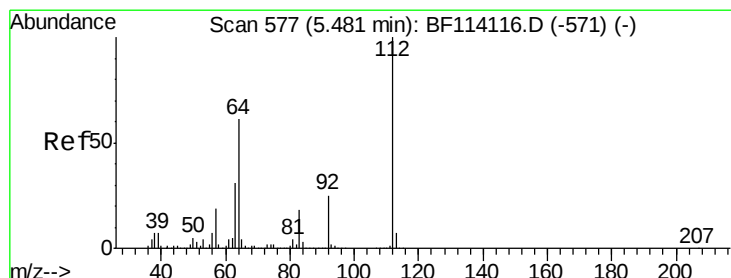
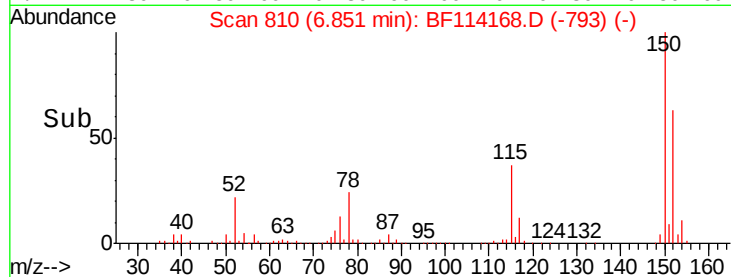
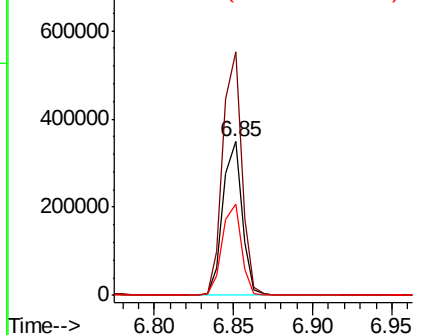


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

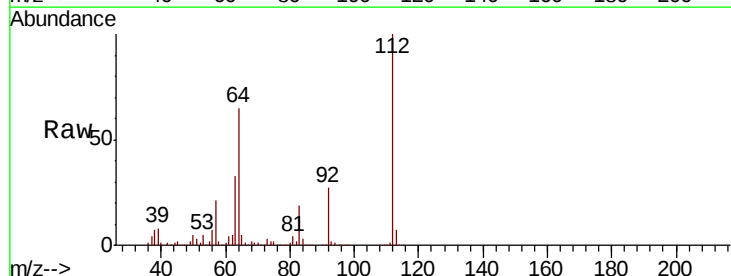
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.936 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	49.0	73.6
63	32.8	24.6	37.0

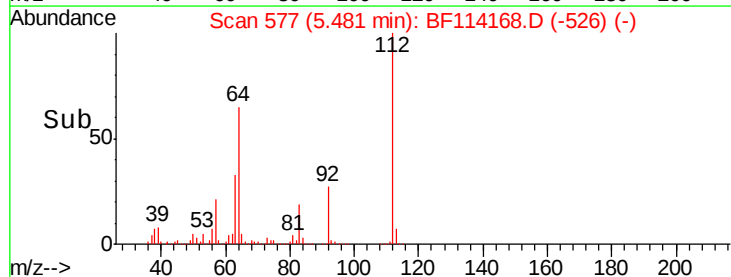
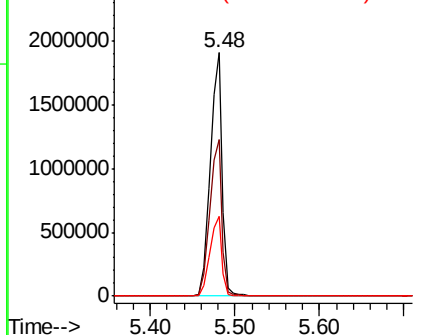


Abundance

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: 125.487 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1824-01

Tot Ion: 99 Resp: 2695726

Ion Ratio Lower Upper

99 100

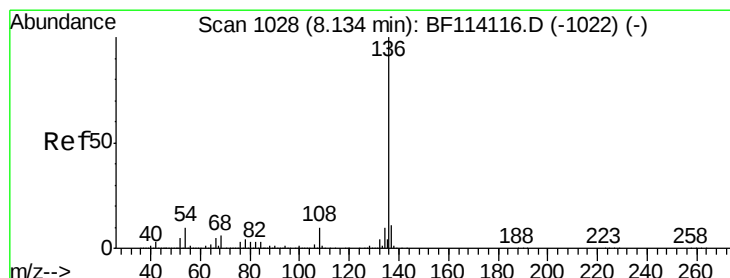
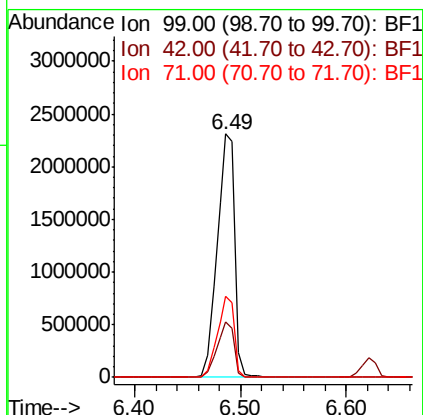
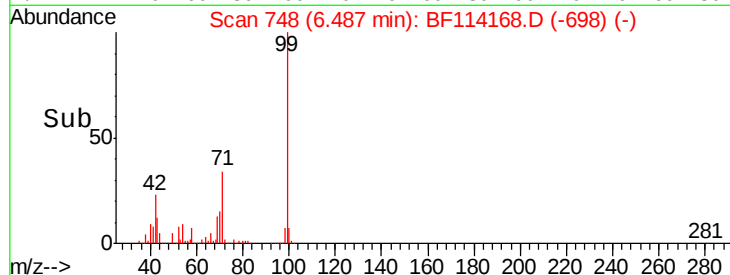
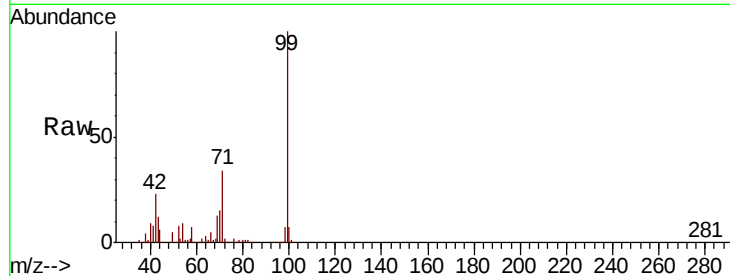
42 22.9 17.9 26.9

71 33.5 26.2 39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Tgt Ion: 136 Resp: 1098853

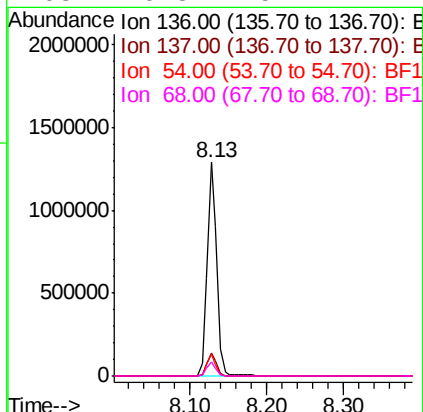
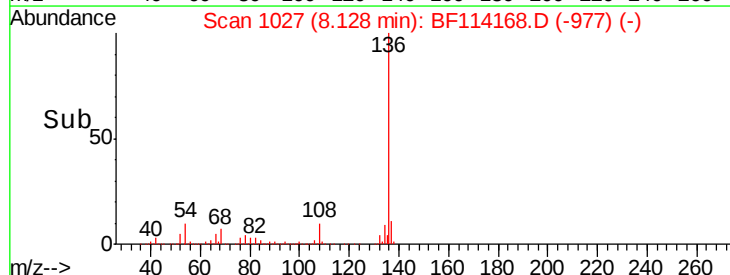
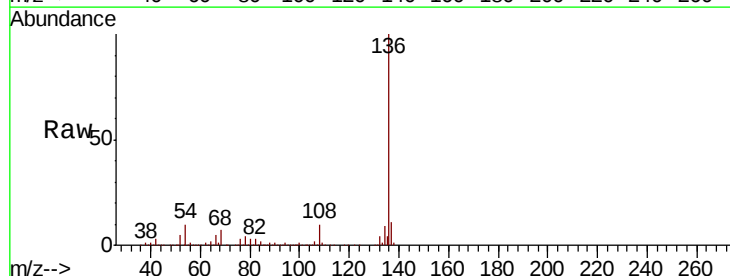
Ion Ratio Lower Upper

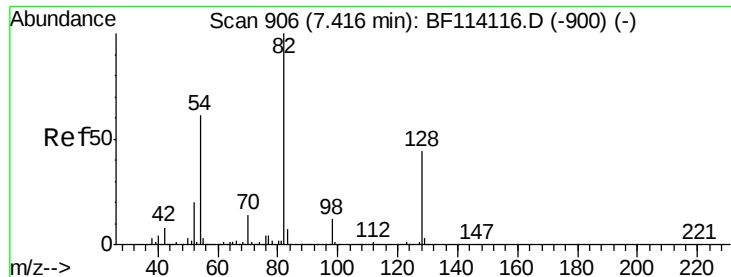
136 100

137 11.1 8.8 13.2

54 10.1 7.8 11.8

68 6.8 5.1 7.7





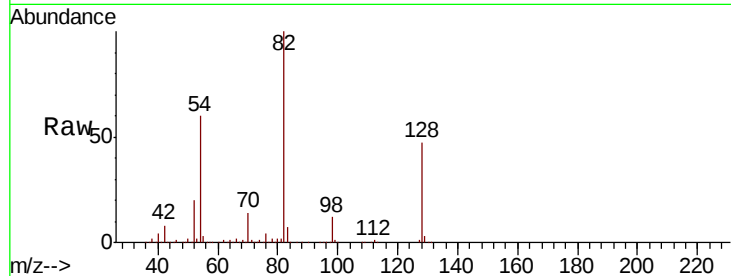
#23
Nitrobenzene-d5
Concen: 84.297 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1824-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	35.5	53.3
54	59.6	48.5	72.7

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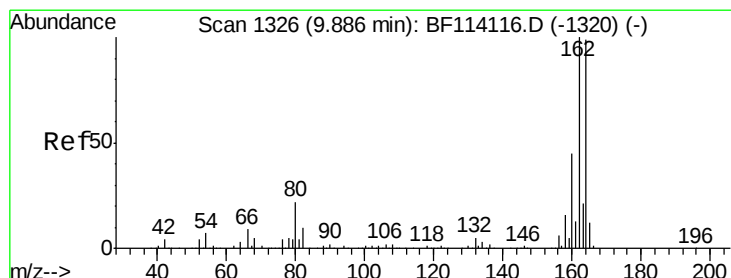
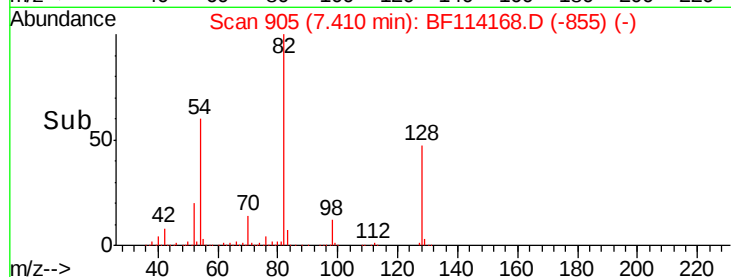
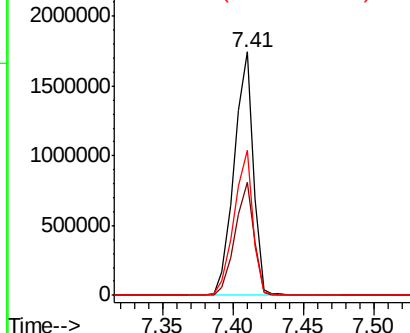


Abundance

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: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

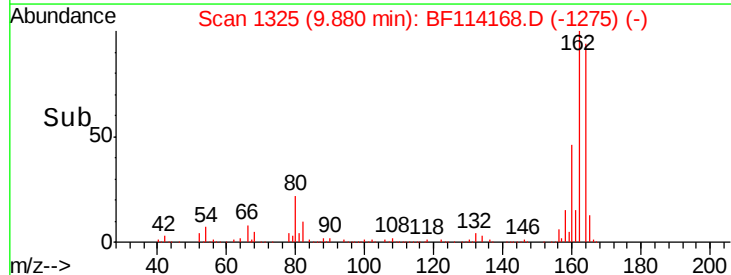
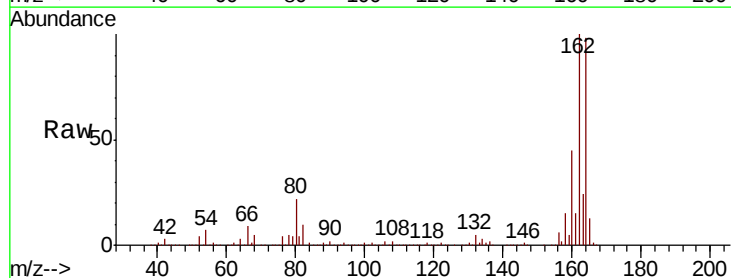
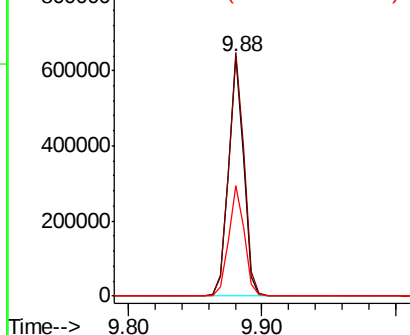
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	120.8
160	46.0	36.5	54.7

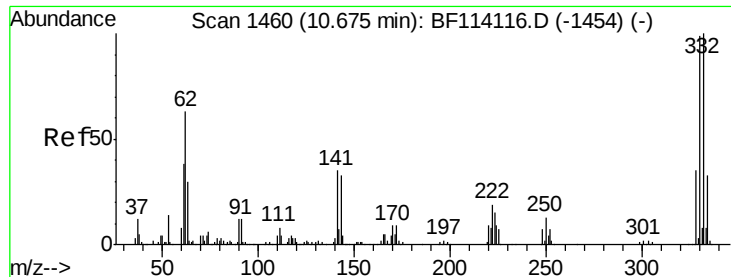
Abundance

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: 122.570 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Instrument :

BNA_F

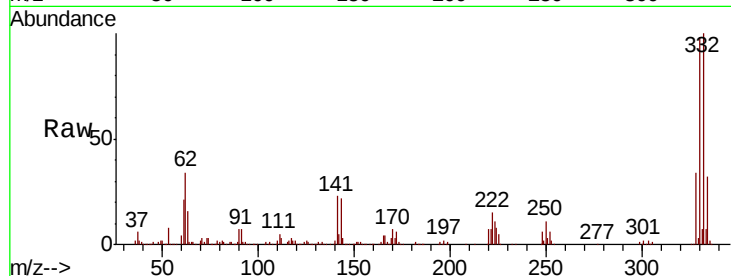
ClientSampleId :

P026-SS002-1824-01

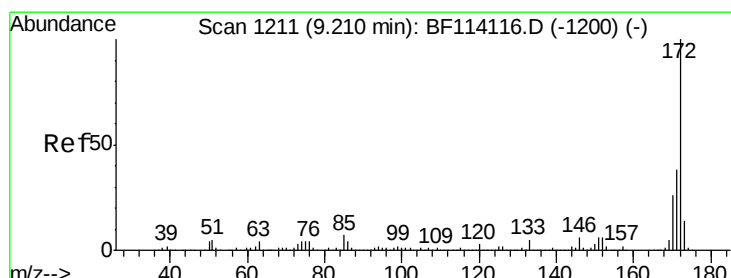
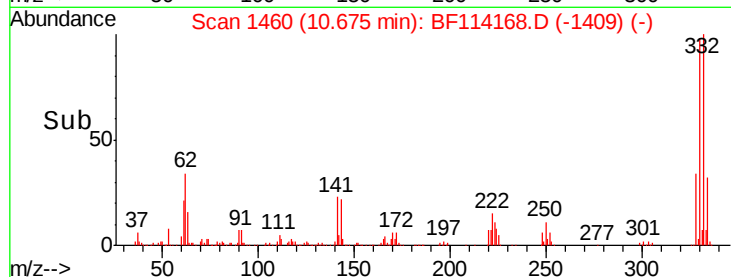
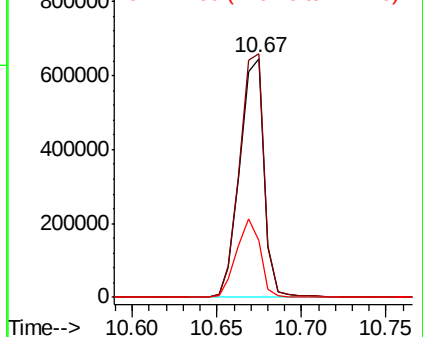
Tot Ion:	330	Resp:	650034
Ion Ratio	Lower	Upper	
330	100		
332	103.8	81.4	122.2
141	32.4	26.6	40.0

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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: 75.430 ng

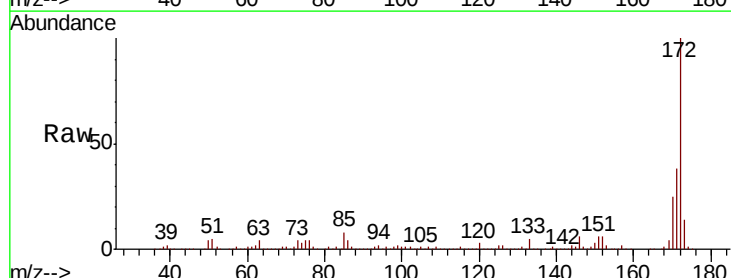
RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

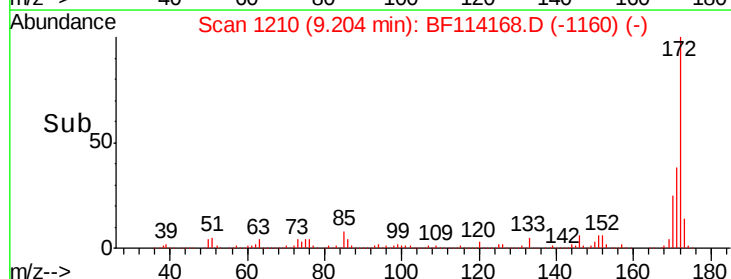
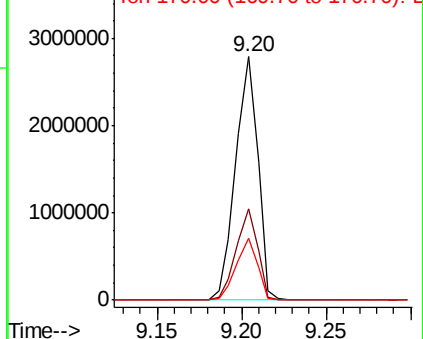
Lab File: BF114168.D

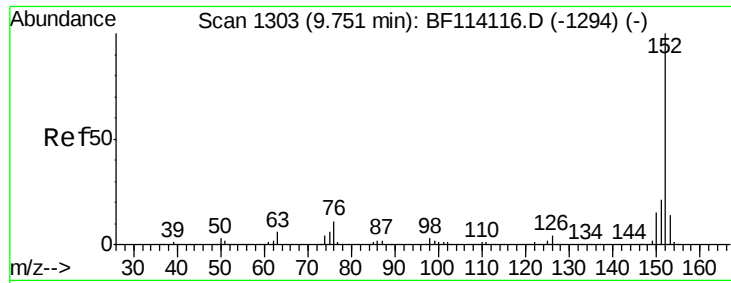
Acq: 11 May 2019 22:14

Tgt Ion:	172	Resp:	2558017
Ion Ratio	Lower	Upper	
172	100		
171	37.7	30.7	46.1
170	25.3	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





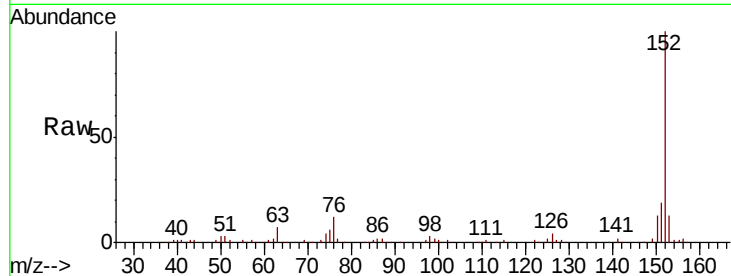
#49
Acenaphthylene
Concen: 2.543 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1824-01

Tot Ion	Ratio	Resp Lower	Upper
152	100		
151	19.5	16.8	25.2
153	12.5	11.4	17.2

Manual Integrations
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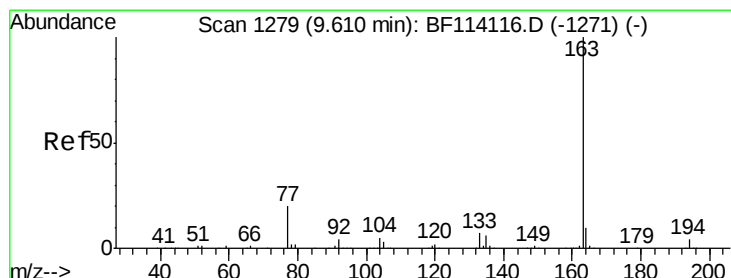
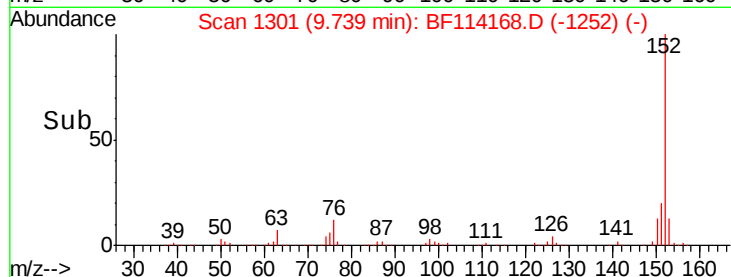
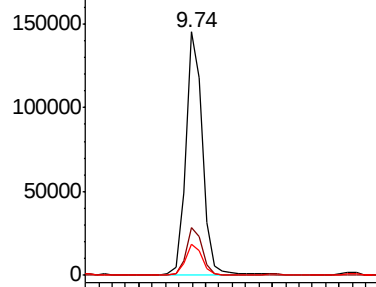


Abundance

Ion 152.00 (151.70 to 152.70): E

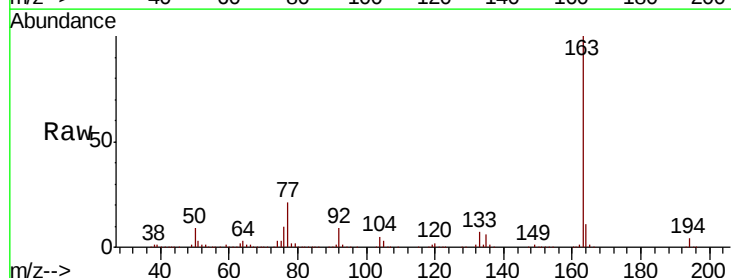
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 14.934 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.7	8.2	12.2

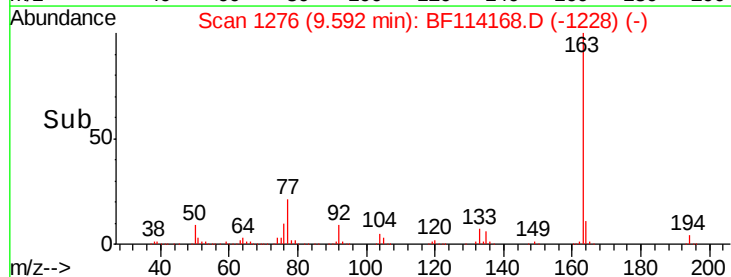
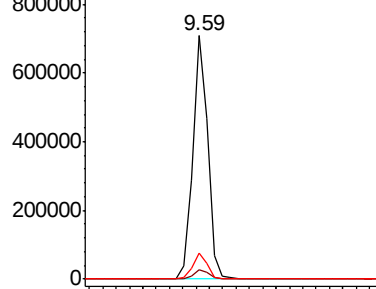


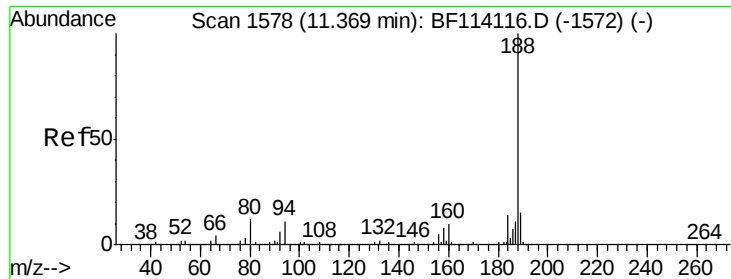
Abundance

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





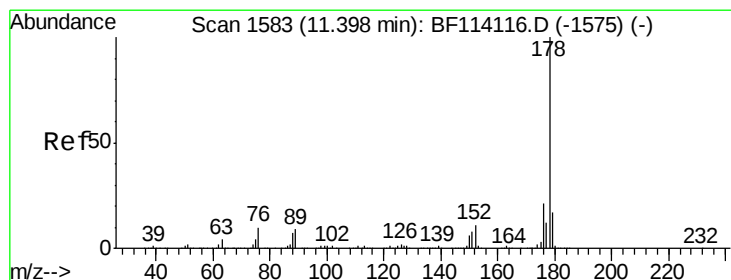
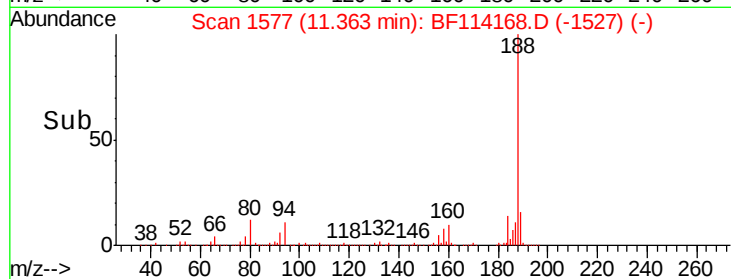
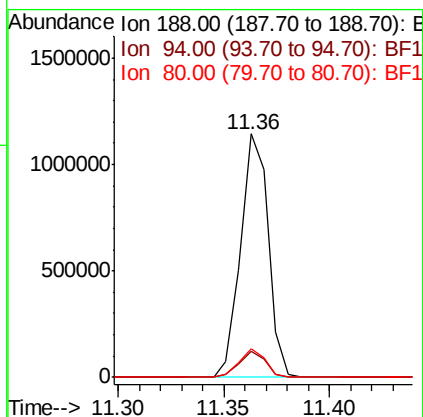
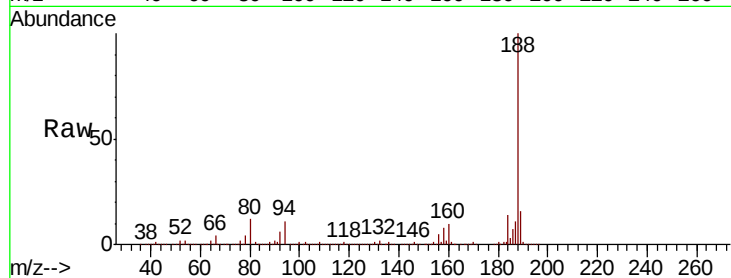
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1824-01

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.4	12.6
80	11.8	9.2	13.8

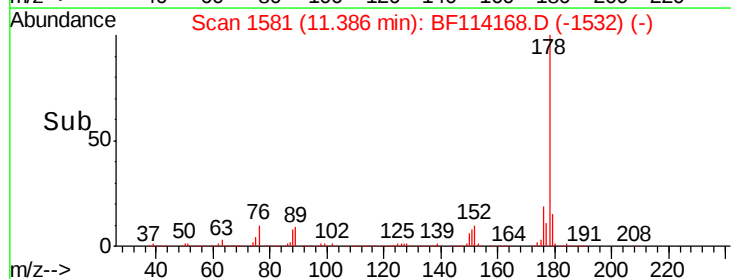
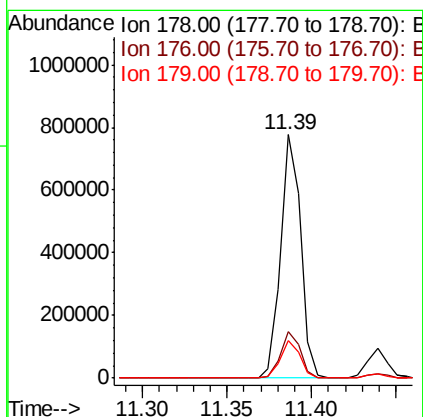
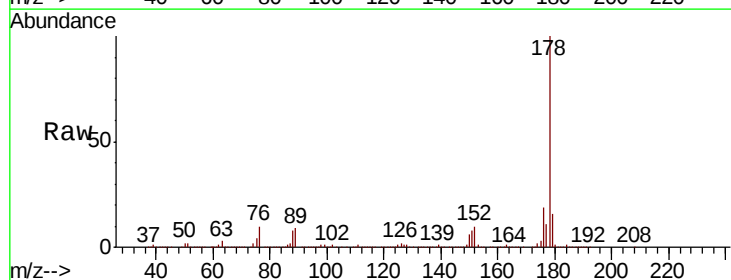
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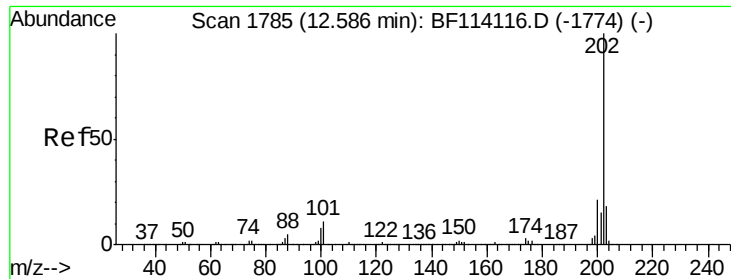
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#71
Phenanthrene
Concen: 12.726 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.4	24.6
179	15.5	13.2	19.8





#75

Fluoranthene

Concen: 16.851 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Instrument :

BNA_F

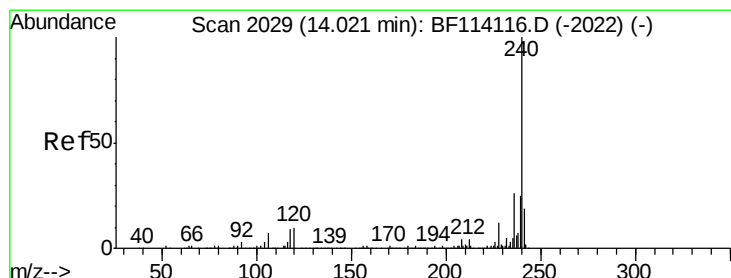
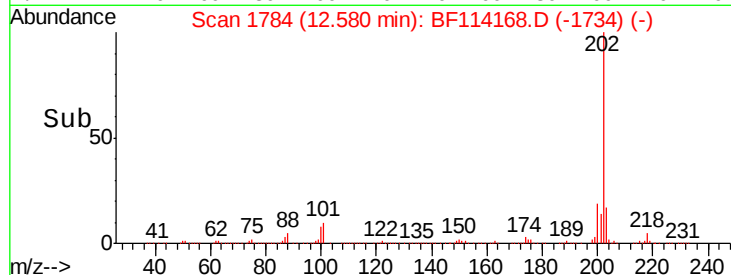
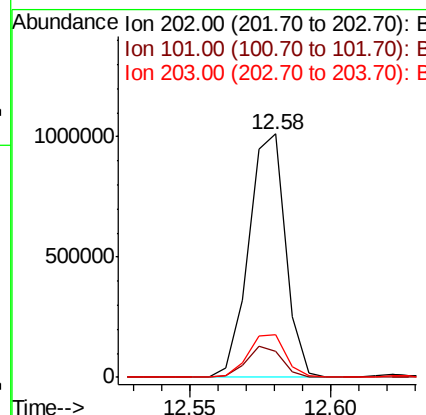
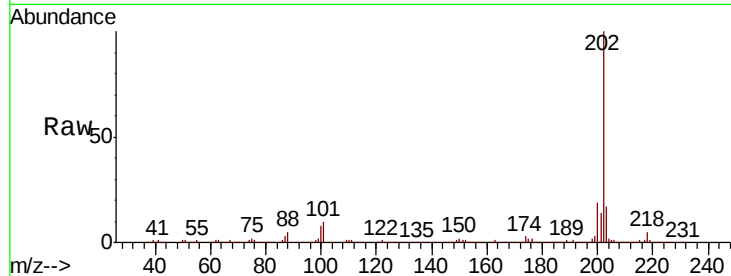
ClientSampleId :

P026-SS002-1824-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		914404		
101	10.4	0.0	31.0		
203	17.5	0.0	38.4		

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

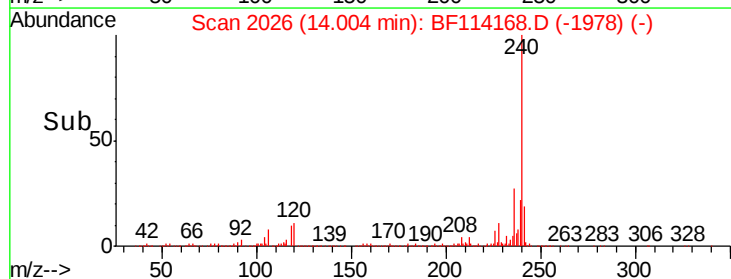
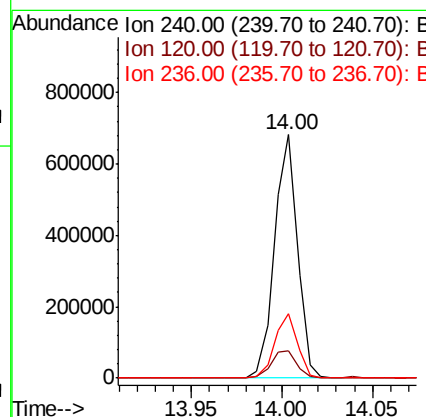
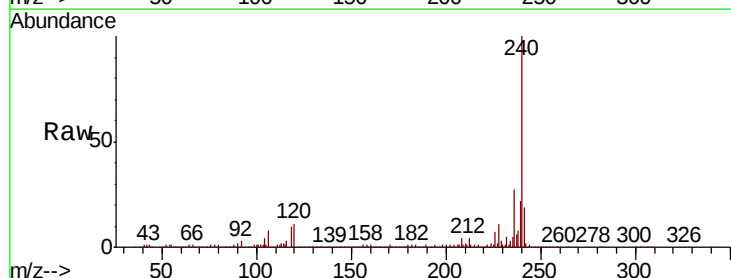
RT: 14.00 min Scan# 2026

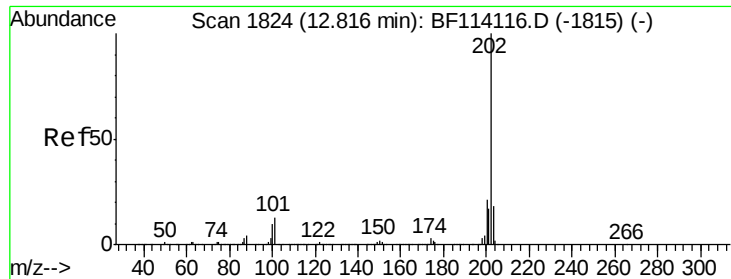
Delta R.T. -0.02 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		596800		
120	11.5	8.3	12.5		
236	26.6	20.8	31.2		





#78

Pvrene

Concen: 31.957 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1824-01

Tot Ion:202 Resp: 1534247

Ion Ratio Lower Upper

202 100

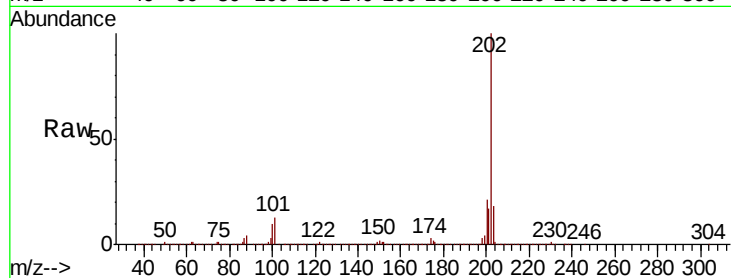
200 20.5 16.9 25.3

203 17.7 14.5 21.7

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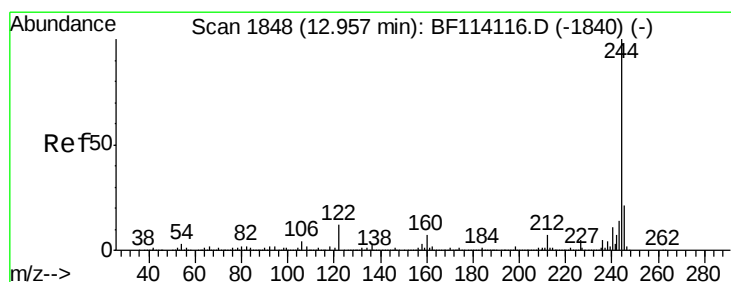
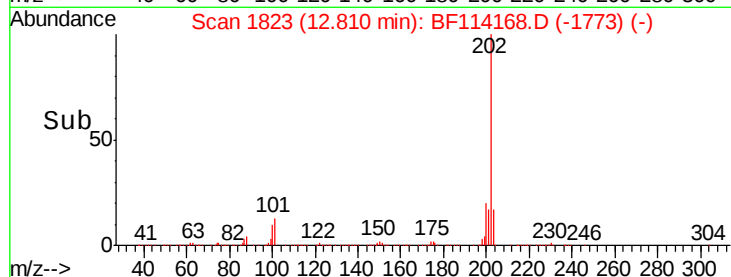
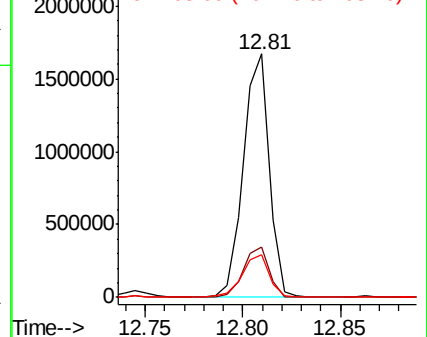


Abundance

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: 79.473 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

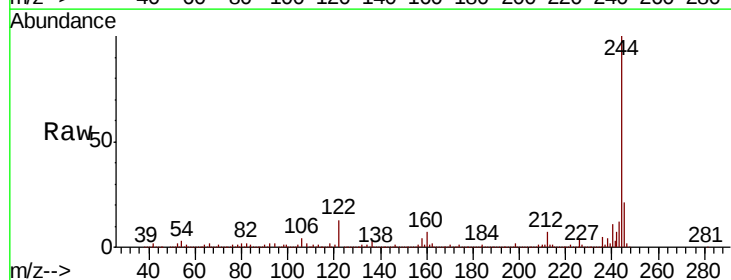
Tgt Ion:244 Resp: 2300810

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 13.0 9.4 14.2

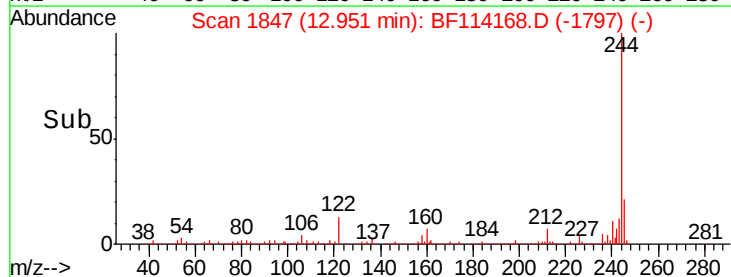
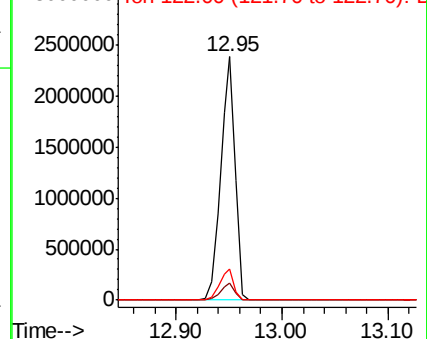


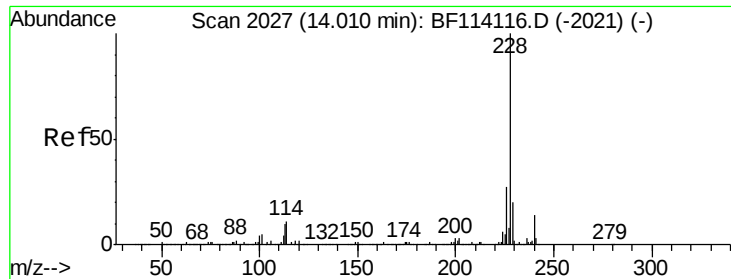
Abundance

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





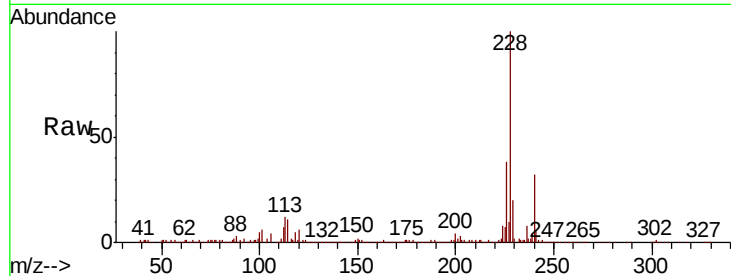
#81
Benzo(a)anthracene
Concen: 11.146 ng m
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1824-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	38.0	22.2	33.2
229	19.6	16.4	24.6

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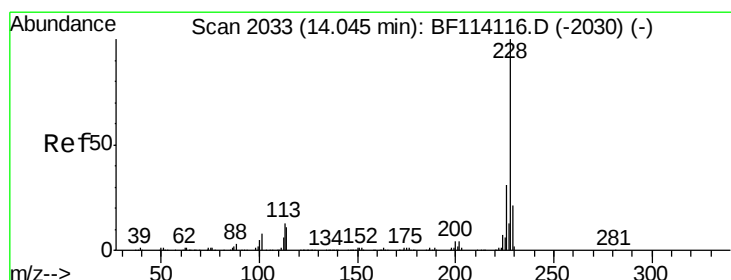
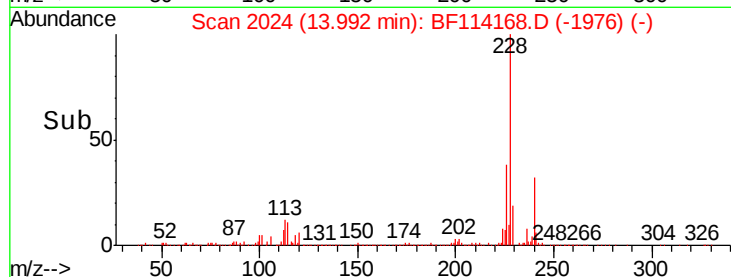
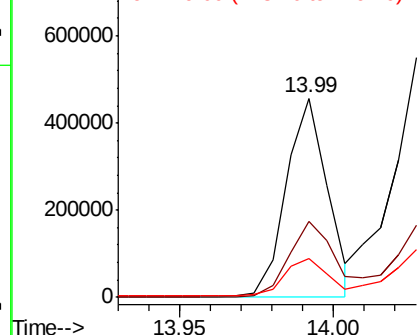


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 14.346 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

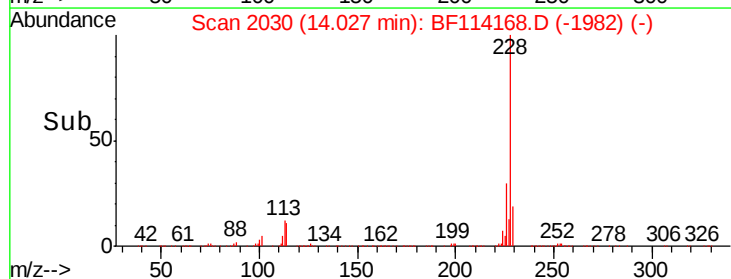
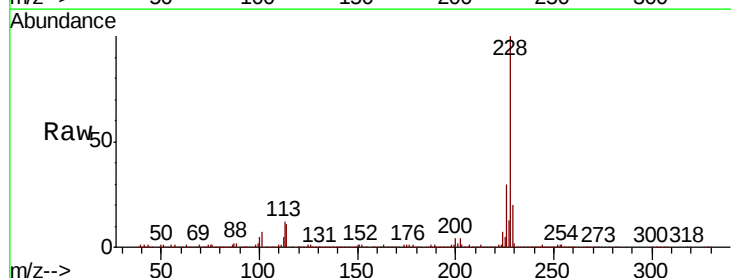
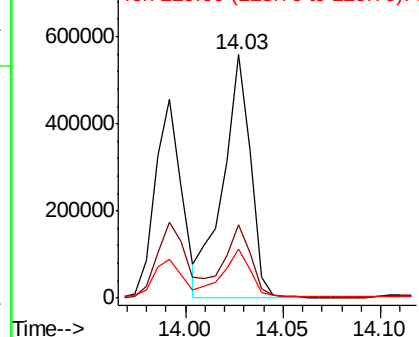
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	20.1	17.0	25.6

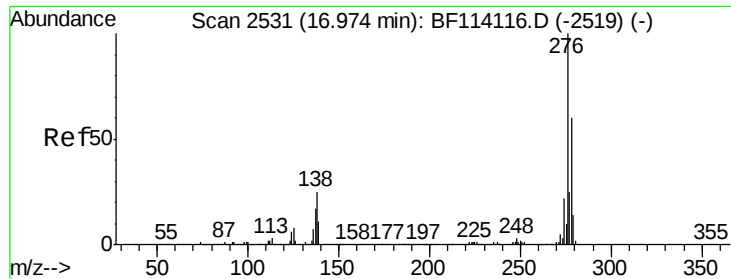
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





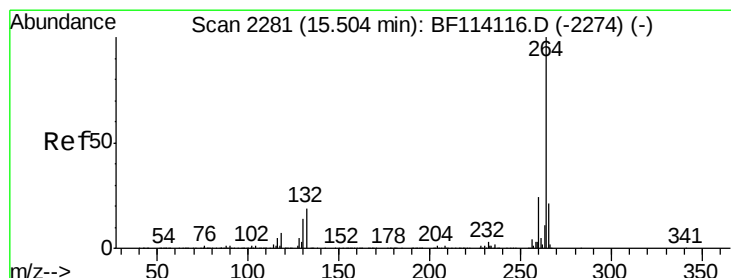
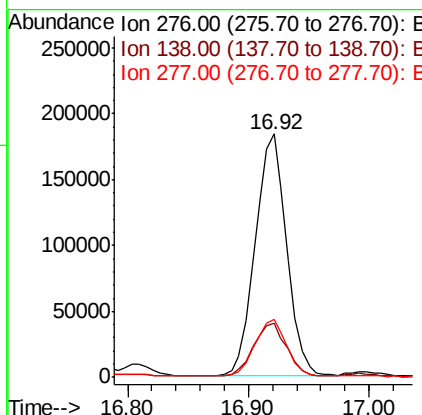
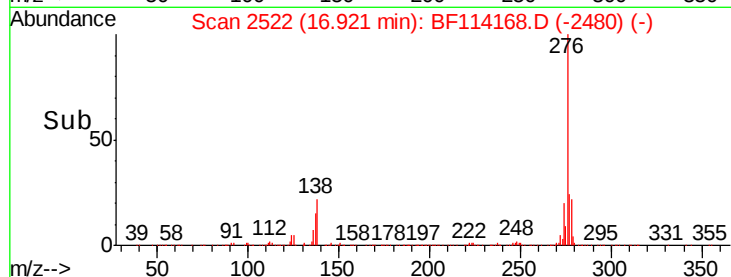
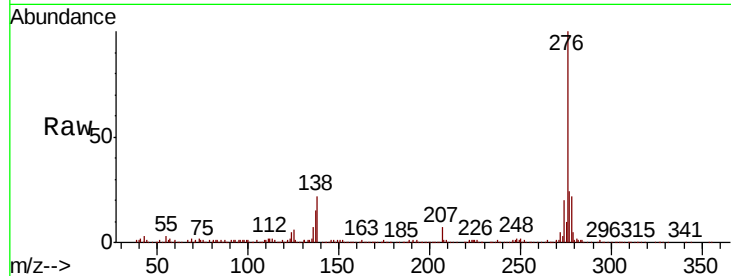
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.911 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.05 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1824-01

Tot Ion:	276	Resp:	331457
Ion Ratio		Lower	Upper
276	100		
138	22.8	20.2	30.2
277	23.7	20.0	30.0

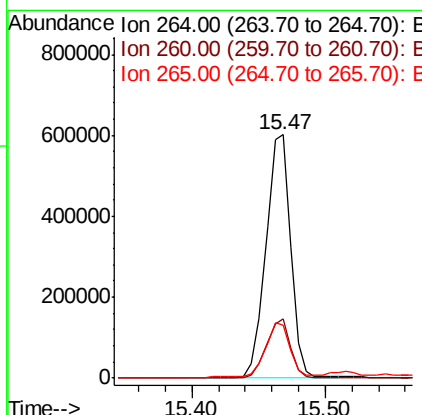
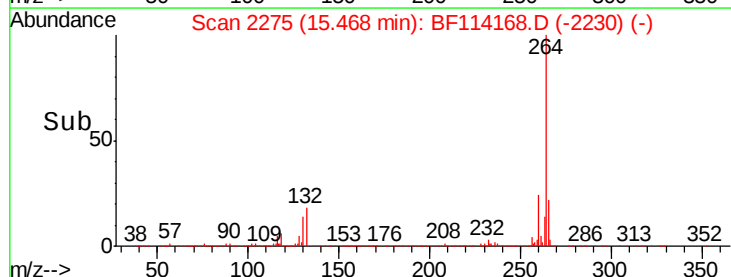
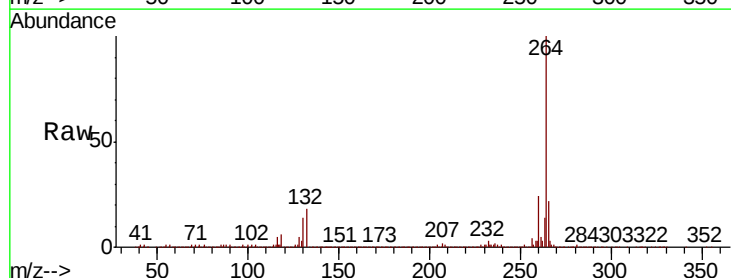
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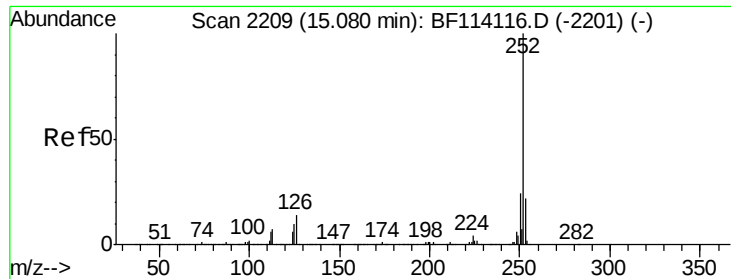
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.04 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Tgt Ion:	264	Resp:	775507
Ion Ratio		Lower	Upper
264	100		
260	24.4	19.4	29.0
265	21.8	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 11.884 ng m

RT: 15.04 min Scan# 2202

Delta R.T. -0.04 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Instrument :

BNA_F

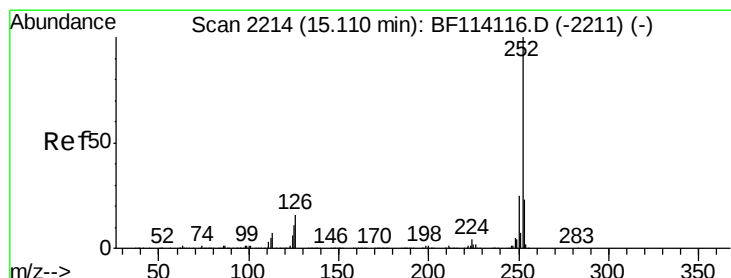
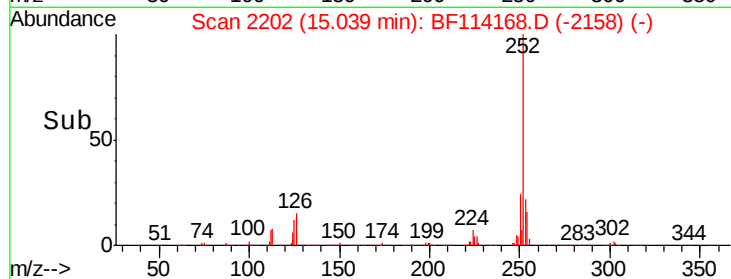
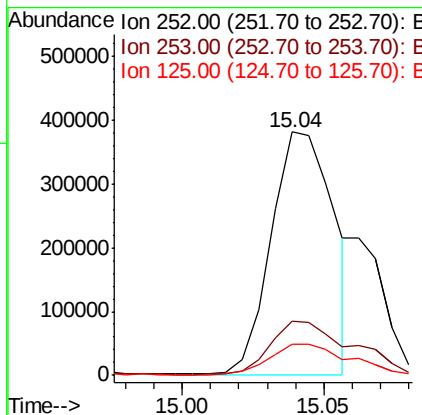
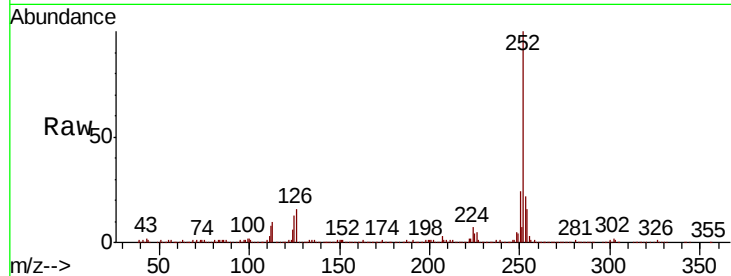
ClientSampleId :

P026-SS002-1824-01

Tot Ion:	252	Resp:	590429
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.8	26.8
125	12.9	8.3	12.5#

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#89

Benzo(k)fluoranthene

Concen: 3.893 ng m

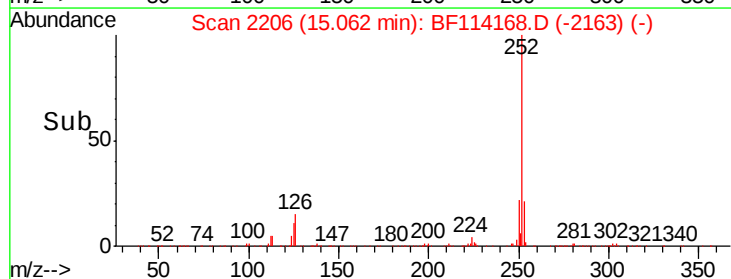
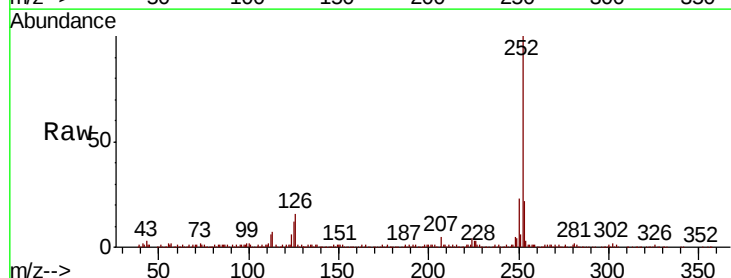
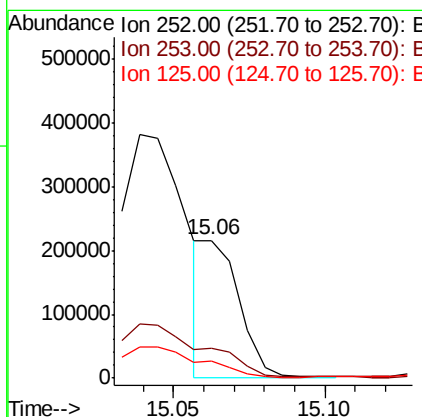
RT: 15.06 min Scan# 2206

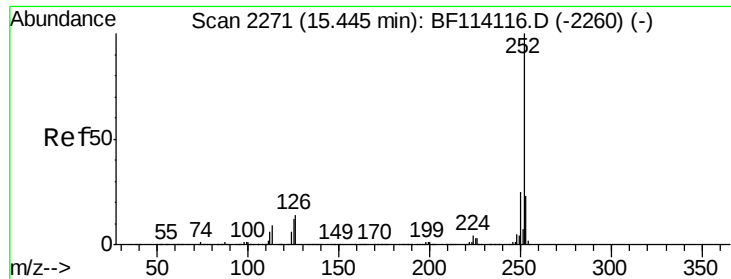
Delta R.T. -0.05 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Tgt Ion:	252	Resp:	177687
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.2	27.2
125	12.3	8.6	13.0





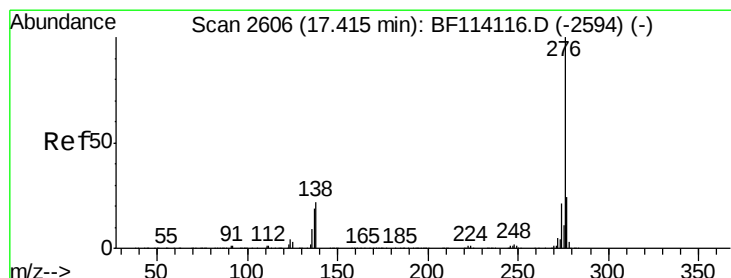
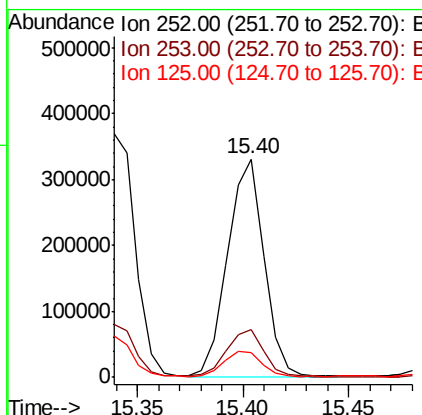
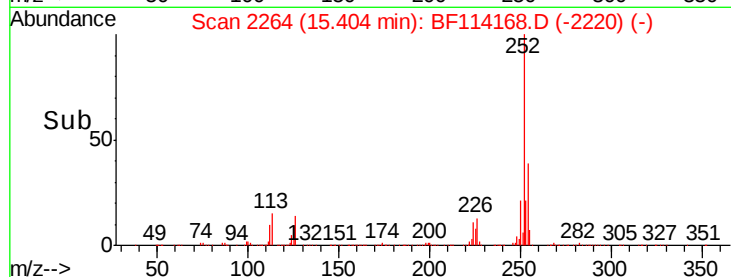
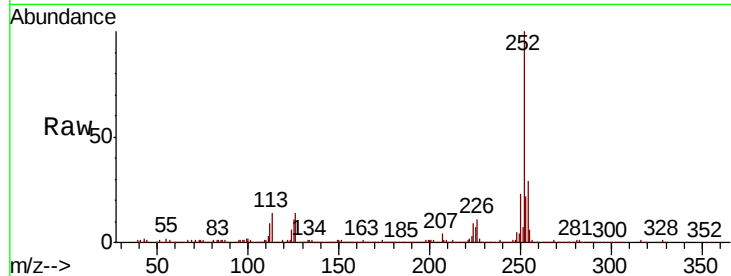
#90
Benzo(a)pyrene
Concen: 8.986 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.04 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1824-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	11.1	9.5	14.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 10.942 ng
RT: 17.36 min Scan# 2597
Delta R.T. -0.05 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	21.8	17.8	26.6

