

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
 Data File : BF114167.D
 Acq On : 11 May 2019 21:48
 Operator : JU/SJ
 Sample : K2765-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-1218-02

Manual Integrations
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 5/13/2019 8:35:55 PM

Quant Time: May 13 08:05:38 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	271336	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	957791	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	462130	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	948420	20.00	ng	0.00
76) Chrysene-d12	14.00	240	664015	20.00	ng	-0.02
87) Perylene-d12	15.47	264	727216	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1975326	117.15	ng	0.00
7) Phenol-d6	6.49	99	2638398	132.30	ng	0.00
23) Nitrobenzene-d5	7.41	82	1541395	90.32	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	626839	131.20	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2403919	78.69	ng	0.00
79) Terphenyl-d14	12.95	244	2374640	73.72	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.74	152	116362	2.546	ng	97
50) Dimethylphthalate	9.59	163	524308	15.455	ng	99
71) Phenanthrene	11.39	178	740845	16.056	ng	98
75) Fluoranthene	12.58	202	1015213	20.431	ng	99
78) Pyrene	12.81	202	1799013	33.679	ng	99
81) Benzo(a)anthracene	13.99	228	529589m	12.331	ng	
83) Chrysene	14.03	228	607353	14.426	ng	98
86) Indeno(1,2,3-cd)pyrene	16.92	276	314676	8.457	ng	95
88) Benzo(b)fluoranthene	15.04	252	604920m	12.984	ng	
89) Benzo(k)fluoranthene	15.07	252	157613m	3.683	ng	
90) Benzo(a)pyrene	15.41	252	375395	9.155	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	79313	2.328	ng	96
92) Benzo(a,h,i)perylene	17.37	276	373894	10.950	ng	99

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

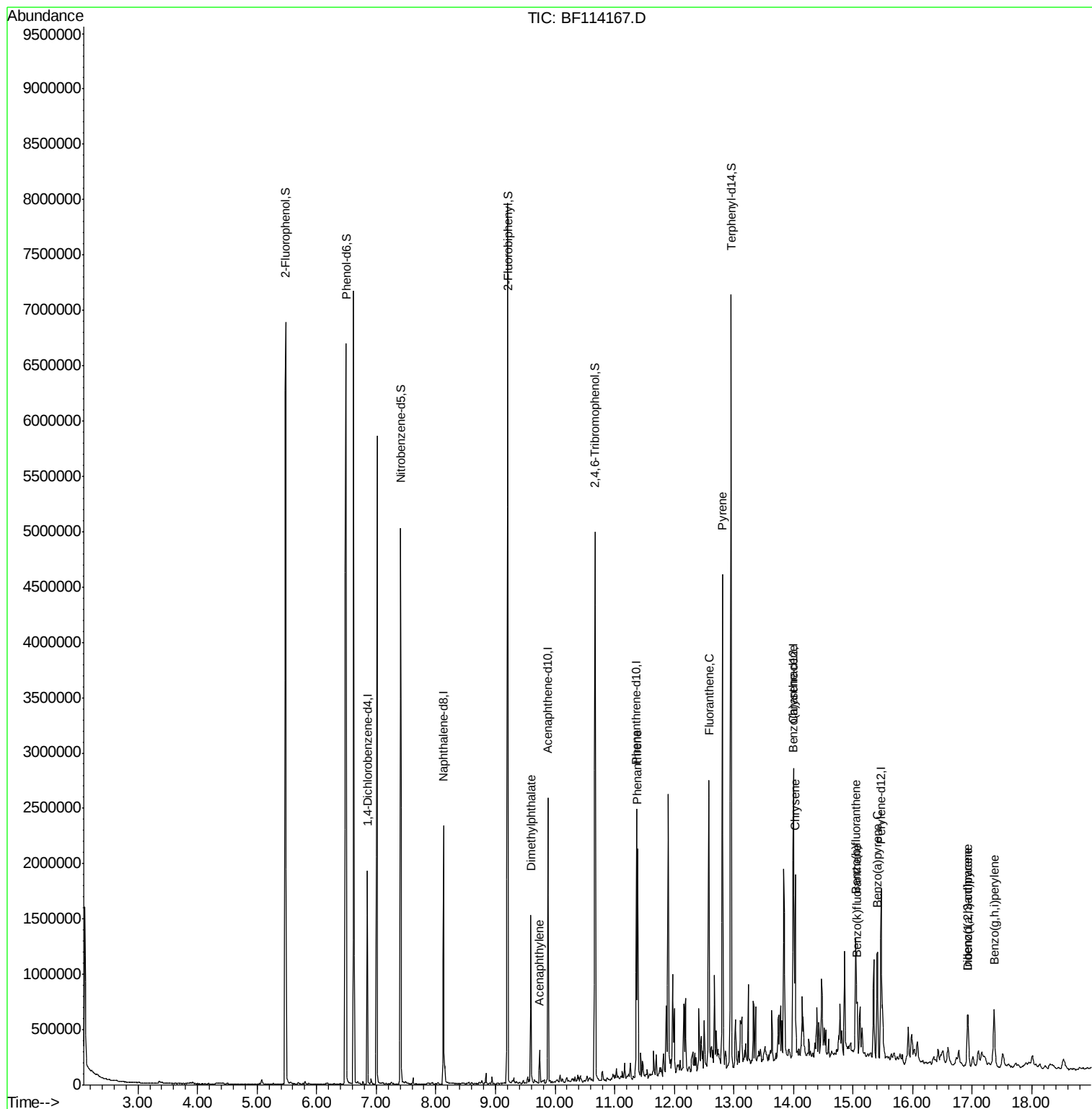
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
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Sample : K2765-01
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ALS Vial : 7 Sample Multiplier: 1

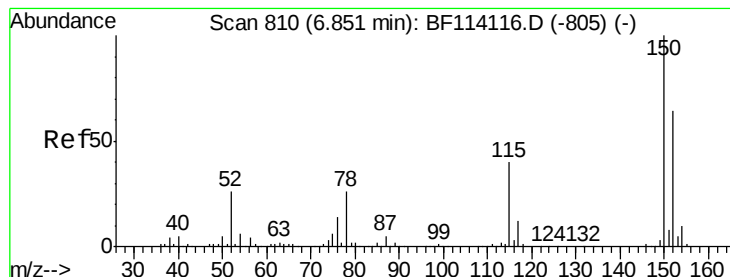
Instrument :
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P026-SS002-1218-02

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Quant Time: May 13 08:05:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF114167.D

Acq: 11 May 2019 21:48

Instrument :

BNA_F

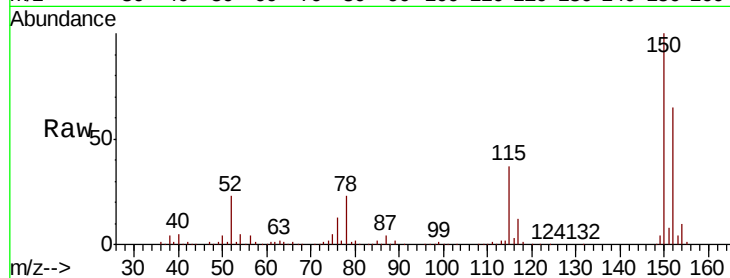
ClientSampleId :

P026-SS002-1218-02

Tot Ion:	152	Resp:	271336
Ion Ratio	Lower	Upper	
152	100		
150	154.9	124.3	186.5
115	57.5	49.1	73.7

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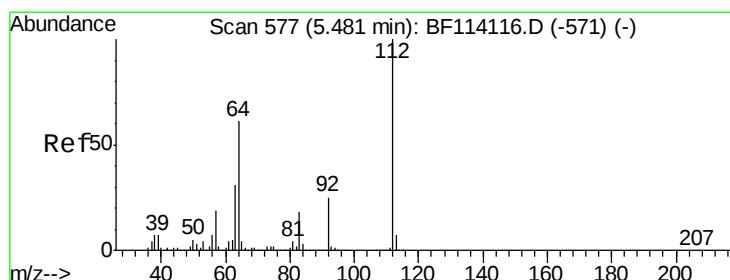
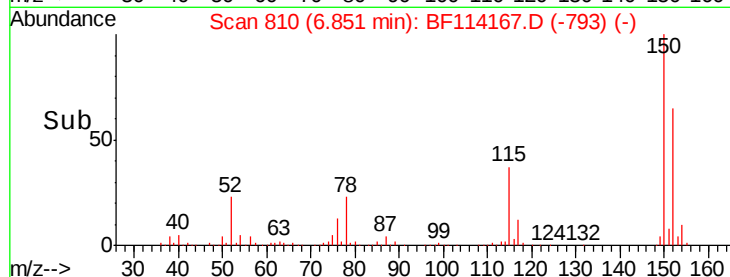
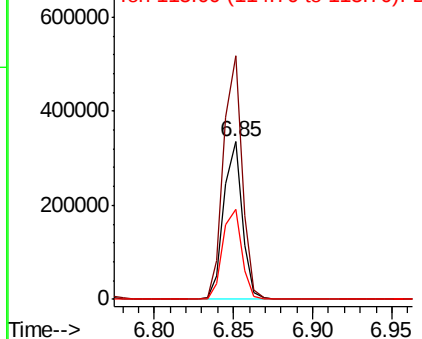


Abundance

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: 117.154 ng

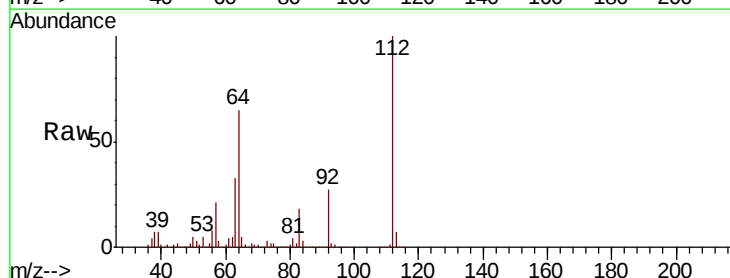
RT: 5.48 min Scan# 577

Delta R.T. 0.00 min

Lab File: BF114167.D

Acq: 11 May 2019 21:48

Tgt Ion:	112	Resp:	1975326
Ion Ratio	Lower	Upper	
112	100		
64	64.9	49.0	73.6
63	32.9	24.6	37.0

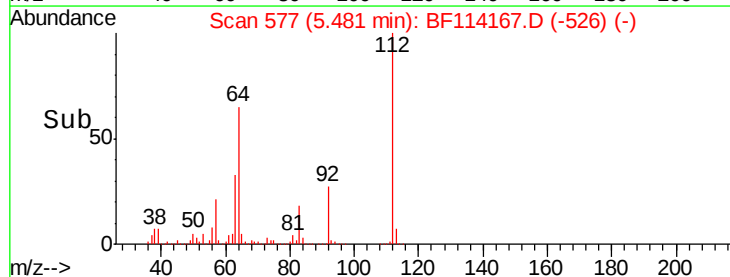
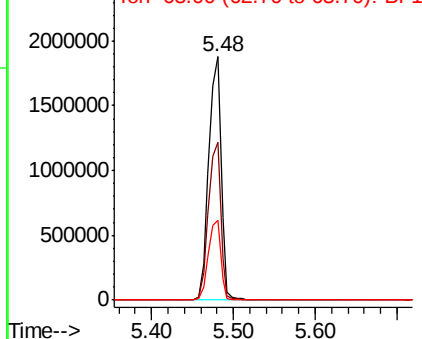


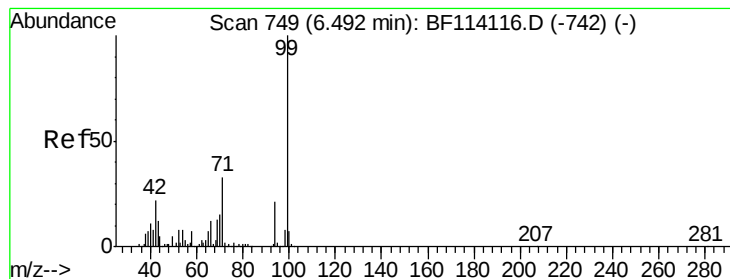
Abundance

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: 132.304 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114167.D

Acq: 11 May 2019 21:48

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1218-02

Tot Ion: 99 Resp: 2638398

Ion Ratio Lower Upper

99 100

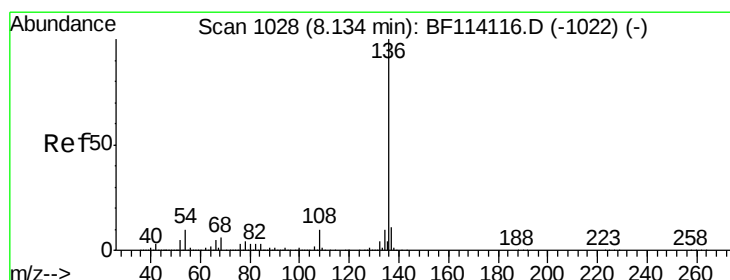
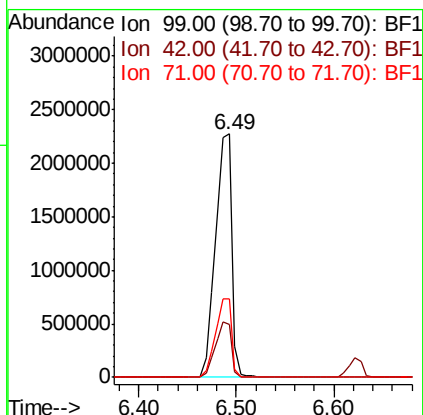
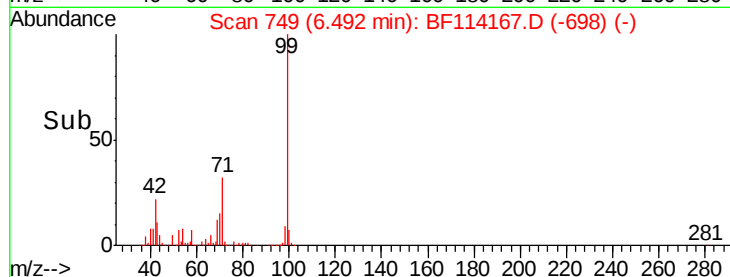
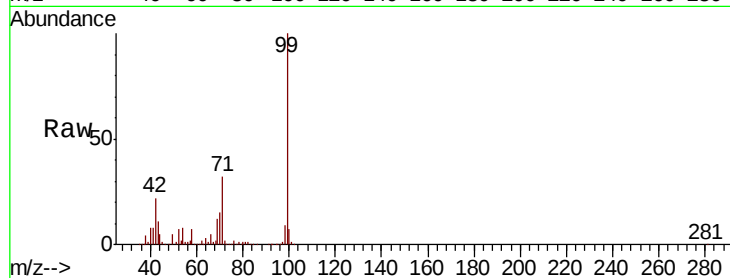
42 21.5 17.9 26.9

71 32.2 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: BF114167.D

Acq: 11 May 2019 21:48

Tgt Ion: 136 Resp: 957791

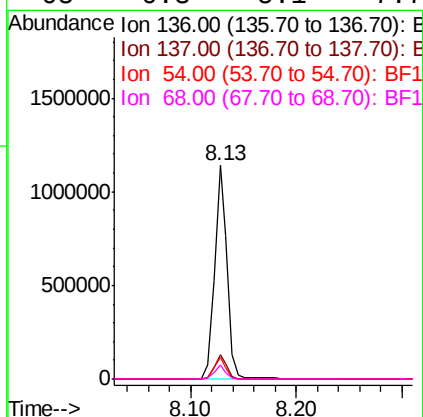
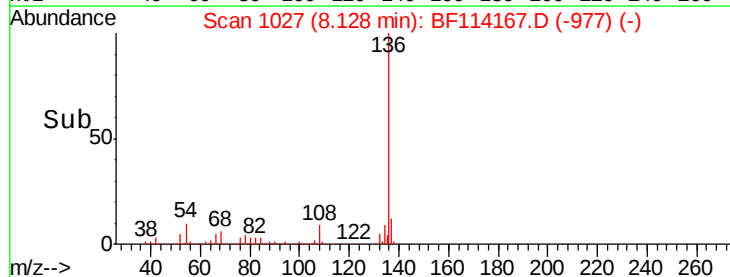
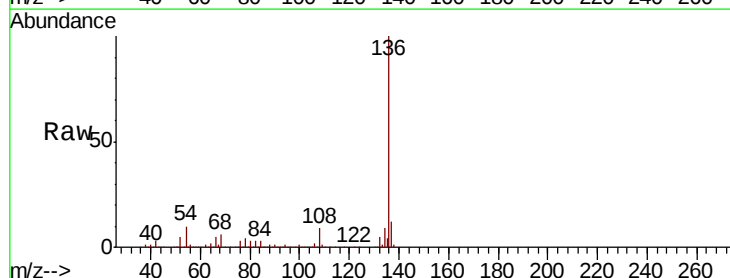
Ion Ratio Lower Upper

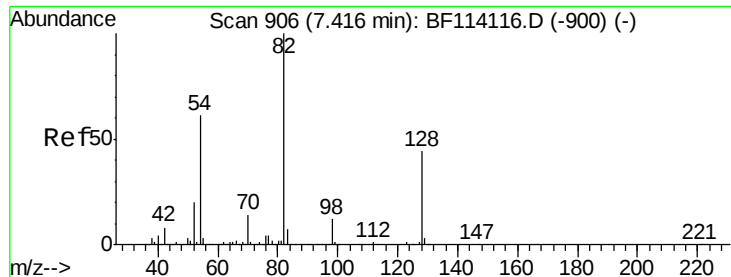
136 100

137 11.6 8.8 13.2

54 10.1 7.8 11.8

68 6.3 5.1 7.7





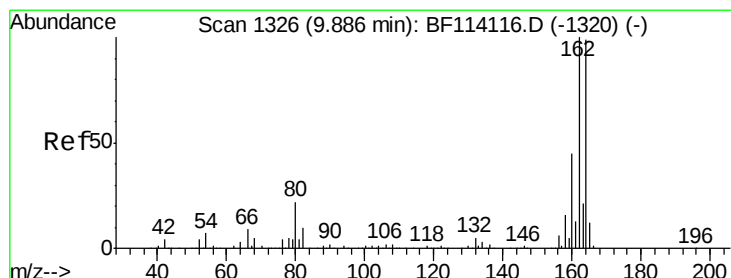
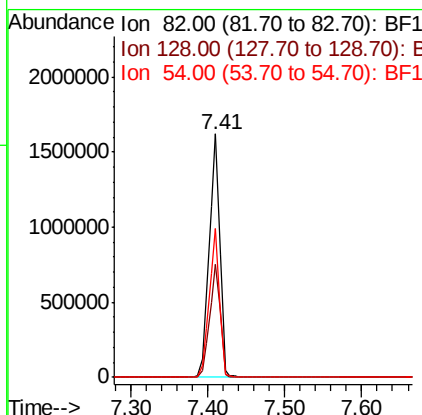
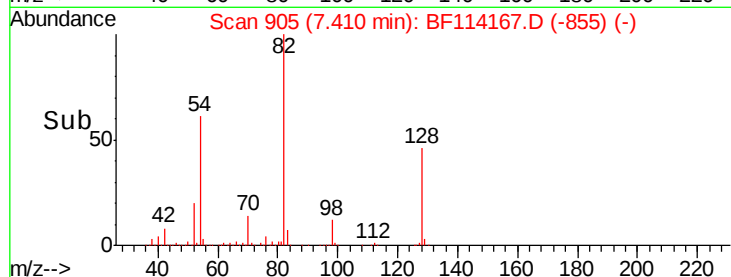
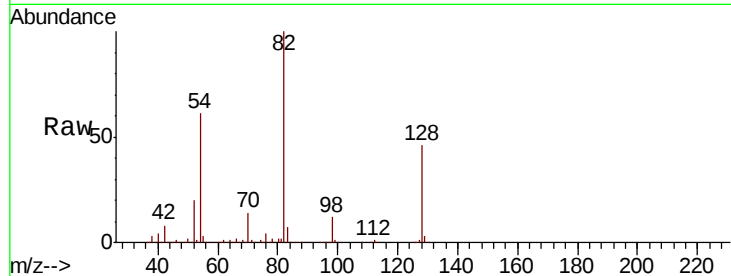
#23
Nitrobenzene-d5
Concen: 90.315 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114167.D
Acq: 11 May 2019 21:48

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-02

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	35.5	53.3
54	61.1	48.5	72.7

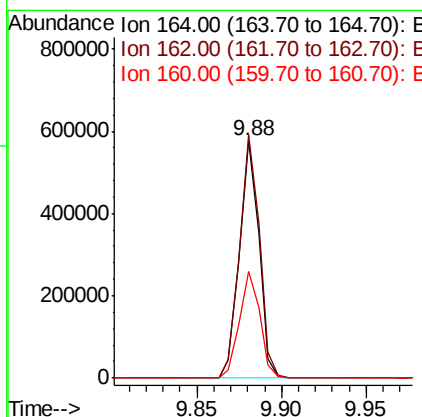
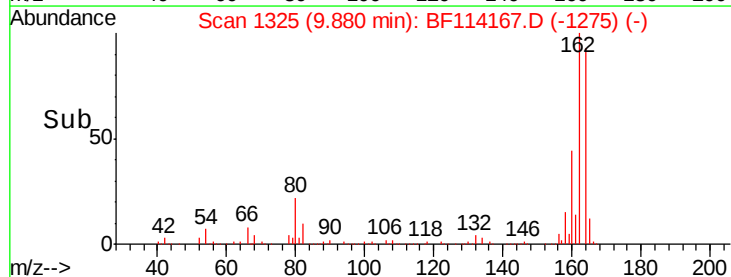
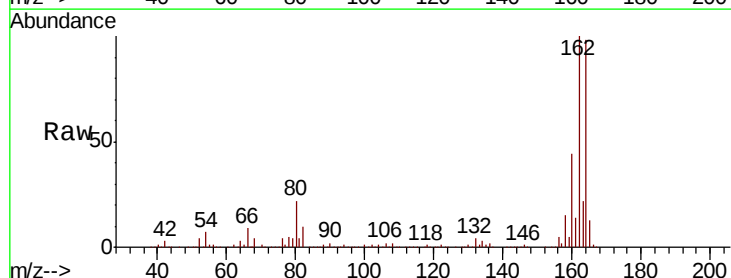
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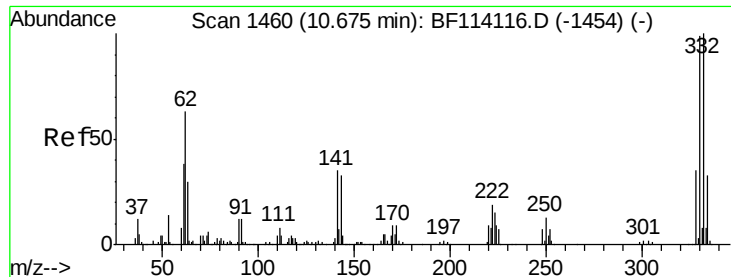
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114167.D
Acq: 11 May 2019 21:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.6	120.8
160	45.1	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 131.202 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114167.D

Acq: 11 May 2019 21:48

Instrument :

BNA_F

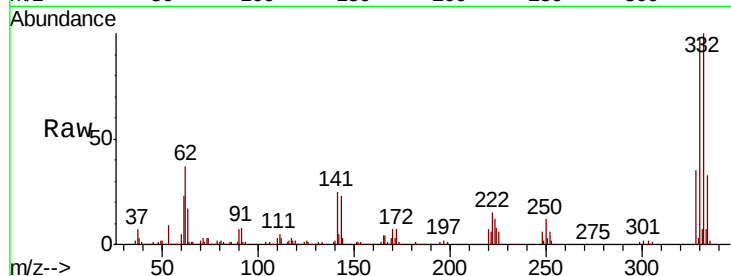
ClientSampleId :

P026-SS002-1218-02

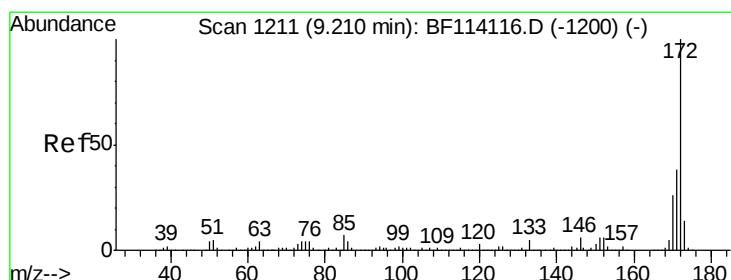
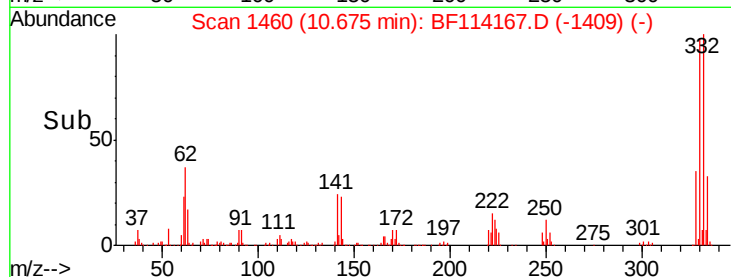
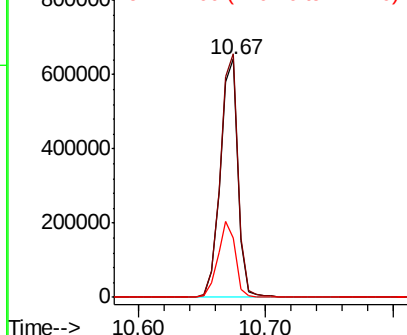
Tot Ion:	330	Resp:	626839
Ion Ratio	Lower	Upper	
330	100		
332	102.8	81.4	122.2
141	31.9	26.6	40.0

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 78.686 ng

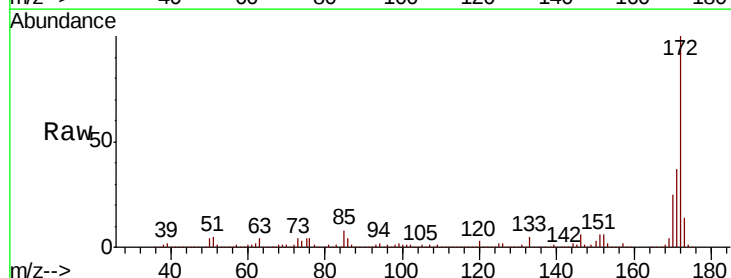
RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

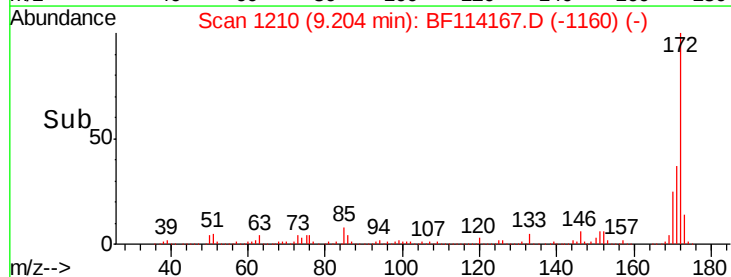
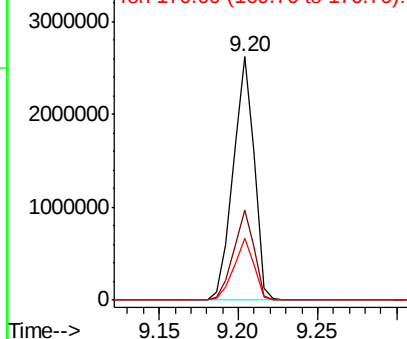
Lab File: BF114167.D

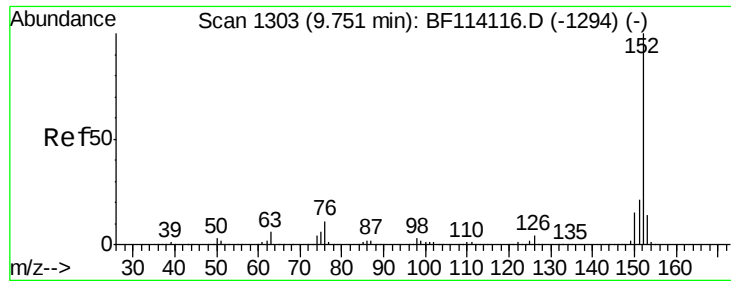
Acq: 11 May 2019 21:48

Tgt Ion:	172	Resp:	2403919
Ion Ratio	Lower	Upper	
172	100		
171	36.8	30.7	46.1
170	25.2	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: 2.546 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF114167.D

Acq: 11 May 2019 21:48

Instrument :

BNA_F

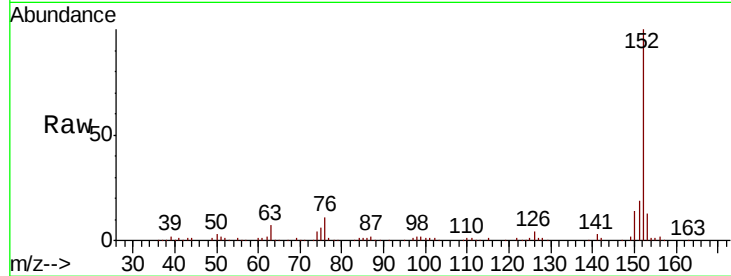
ClientSampleId :

P026-SS002-1218-02

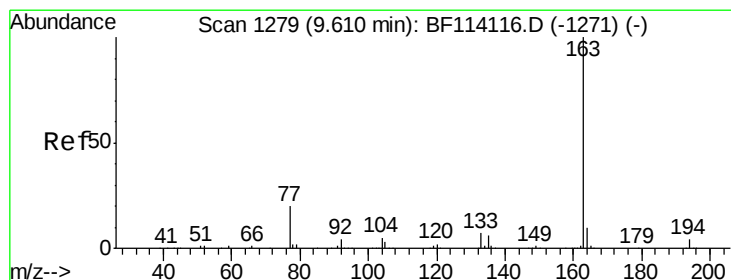
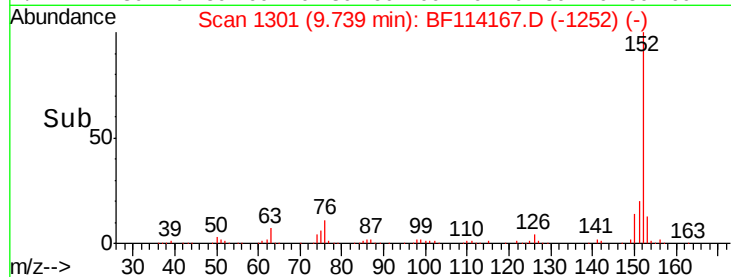
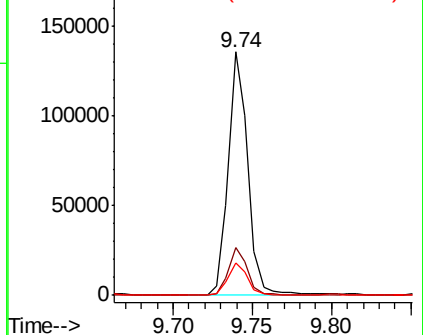
Tot Ion:	152	Resp:	116362
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.8	25.2
153	13.2	11.4	17.2

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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: 15.455 ng

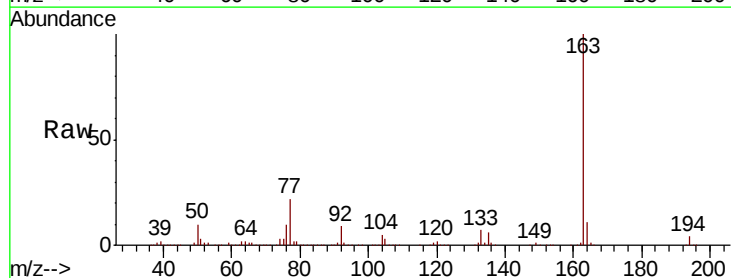
RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

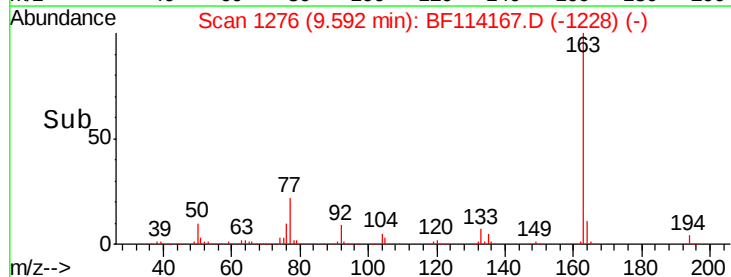
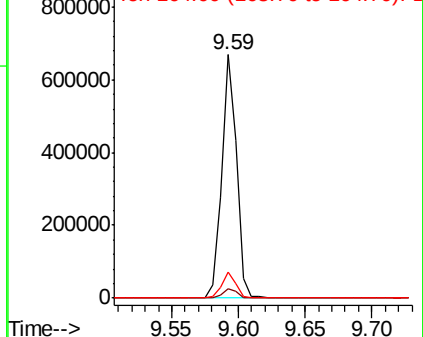
Lab File: BF114167.D

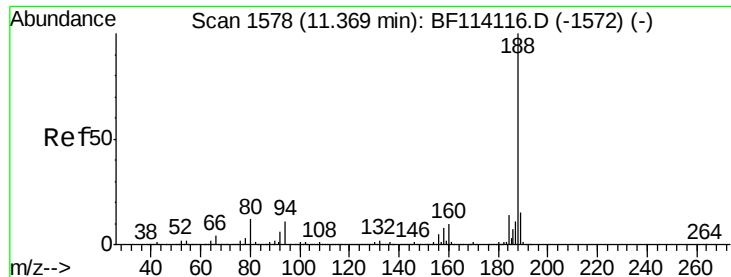
Acq: 11 May 2019 21:48

Tgt Ion:	163	Resp:	524308
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.4	5.0
164	10.6	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





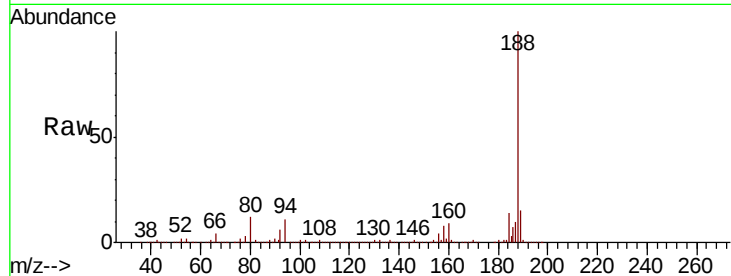
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF114167.D
Acq: 11 May 2019 21:48

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-02

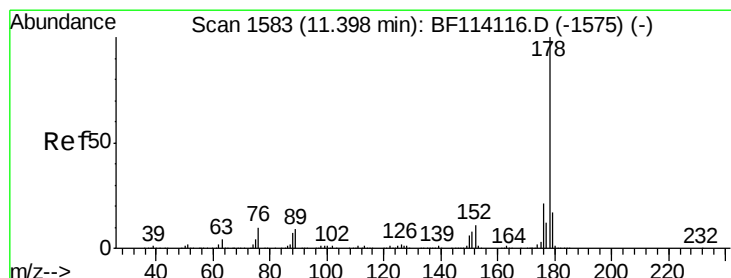
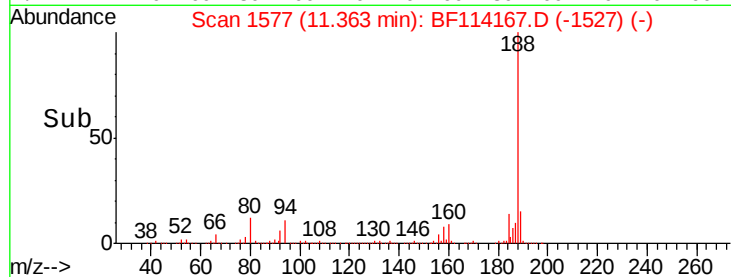
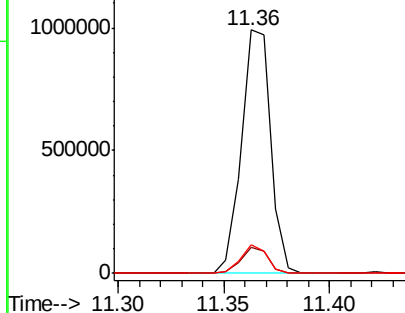
Tot Ion	Ratio	Resp	Lower	Upper
188	100	948420		
94	10.7		8.4	12.6
80	11.6		9.2	13.8

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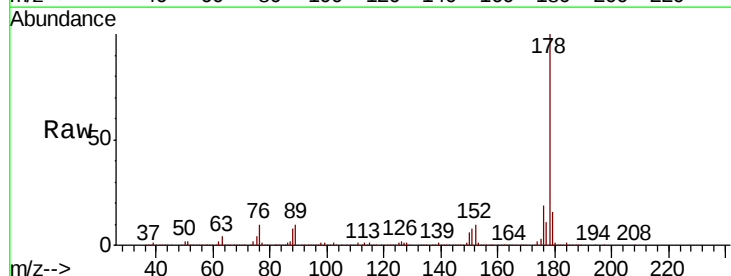


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

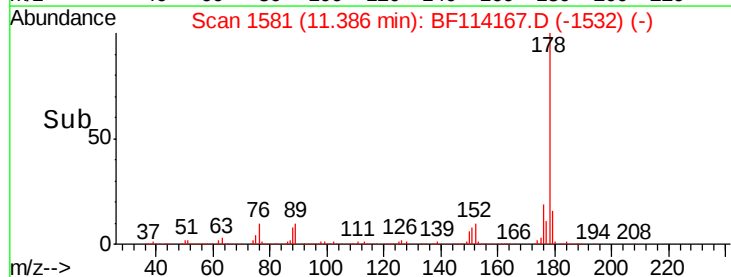
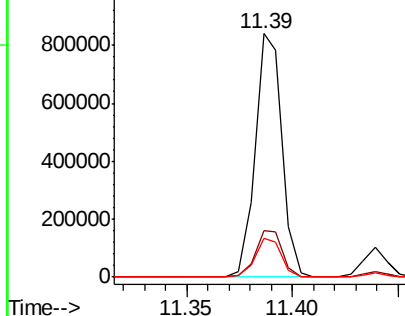


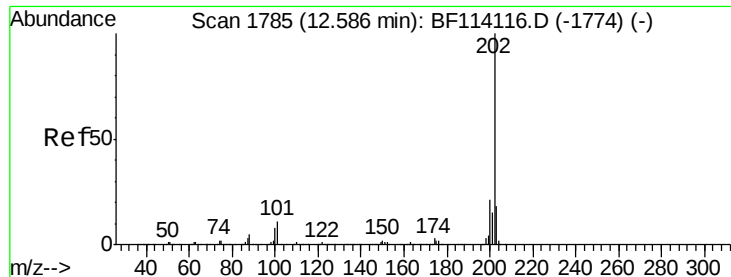
#71
Phenanthrene
Concen: 16.056 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF114167.D
Acq: 11 May 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	740845		
176	19.2		16.4	24.6
179	16.0		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





#75

Fluoranthene

Concen: 20.431 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114167.D

Acq: 11 May 2019 21:48

Instrument :

BNA_F

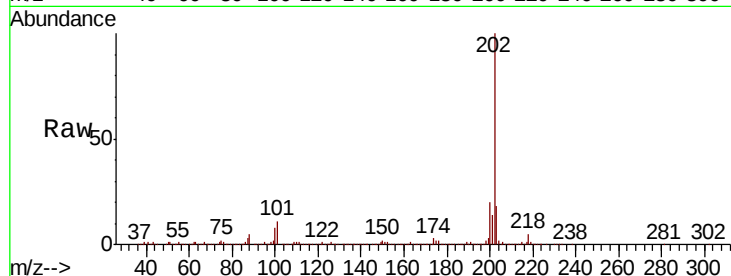
ClientSampleId :

P026-SS002-1218-02

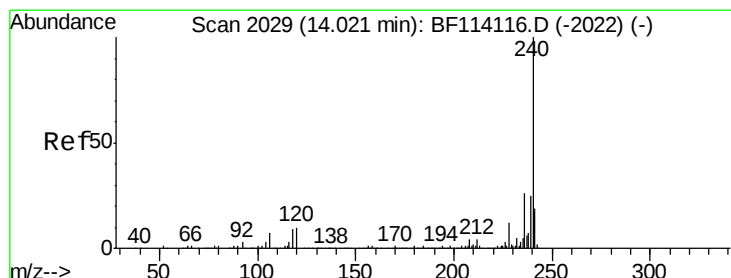
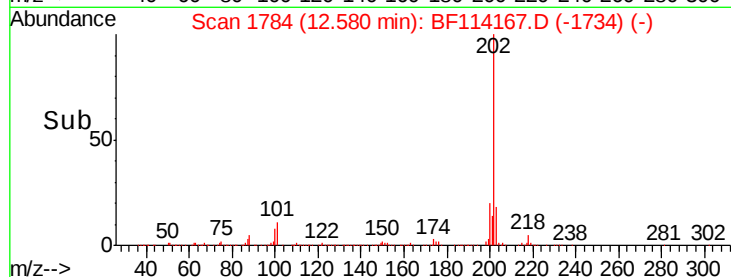
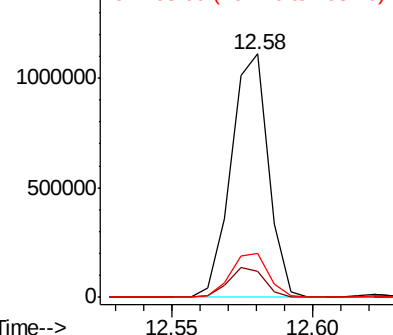
Tot Ion:	202	Resp:	1015213
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.0
203	18.1	0.0	38.4

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5/13/2019 8:35:55 PM



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

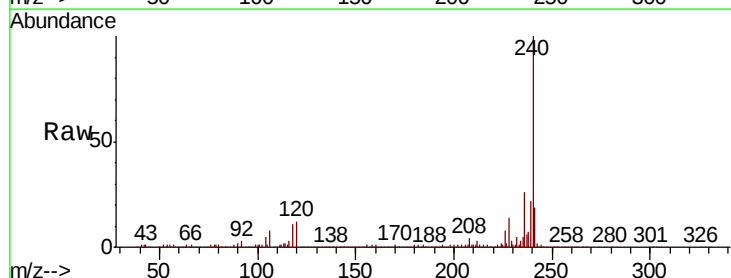
RT: 14.00 min Scan# 2026

Delta R.T. -0.02 min

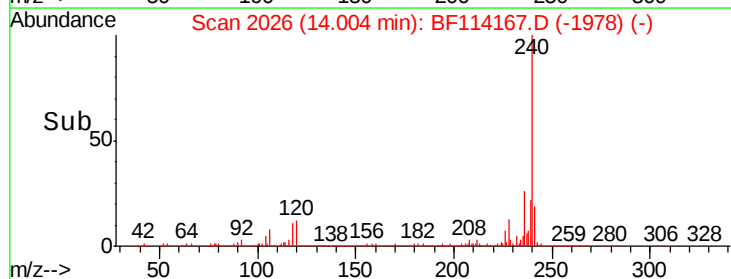
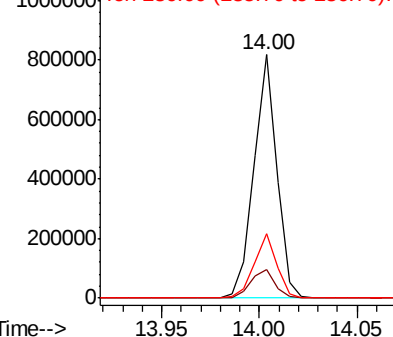
Lab File: BF114167.D

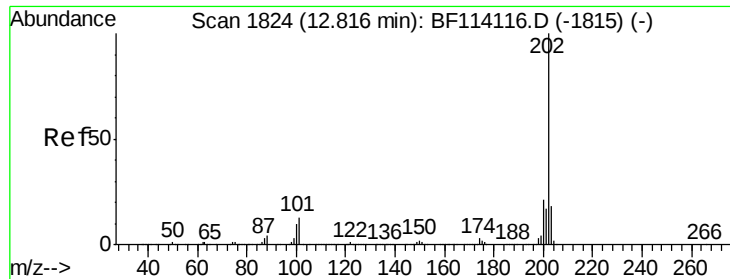
Acq: 11 May 2019 21:48

Tgt Ion:	240	Resp:	664015
Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.3	12.5
236	26.3	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





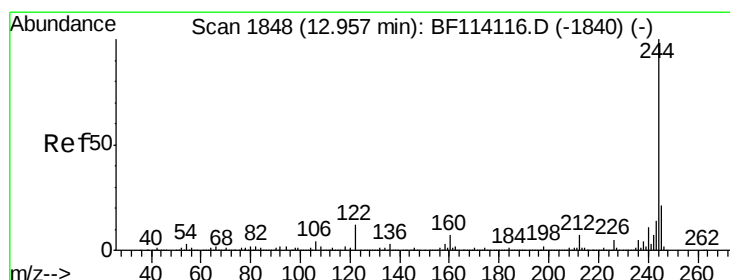
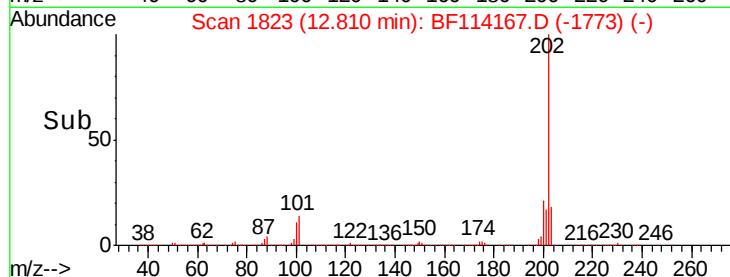
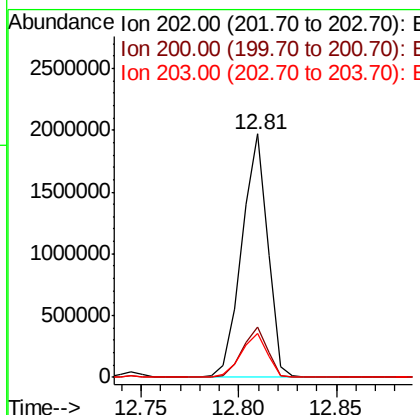
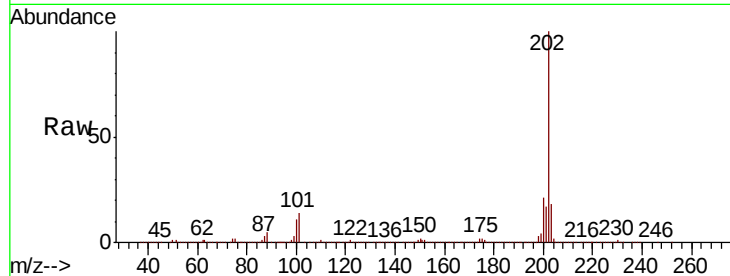
#78
Pvrene
Concen: 33.679 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF114167.D
Acq: 11 May 2019 21:48

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-02

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	18.3	14.5	21.7

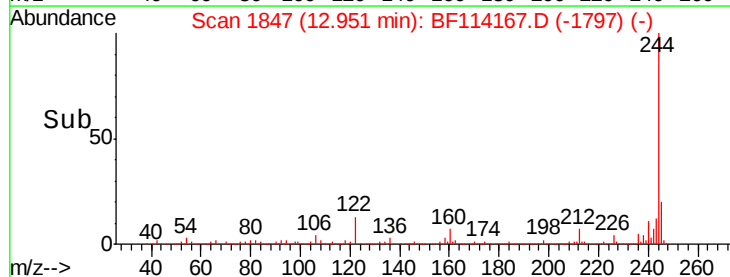
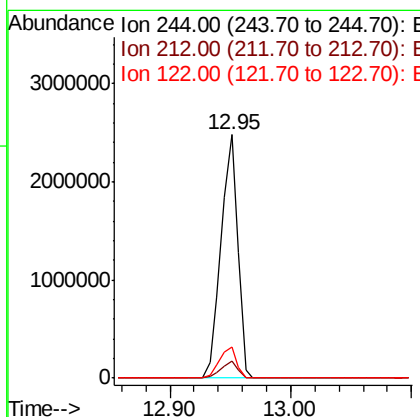
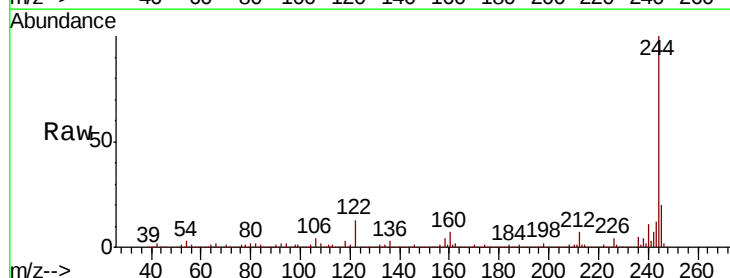
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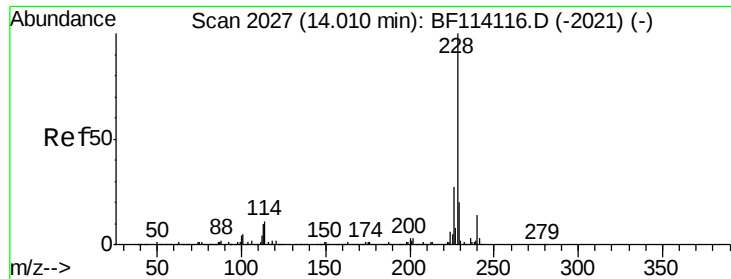
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#79
Terphenyl-d14
Concen: 73.721 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF114167.D
Acq: 11 May 2019 21:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	12.9	9.4	14.2





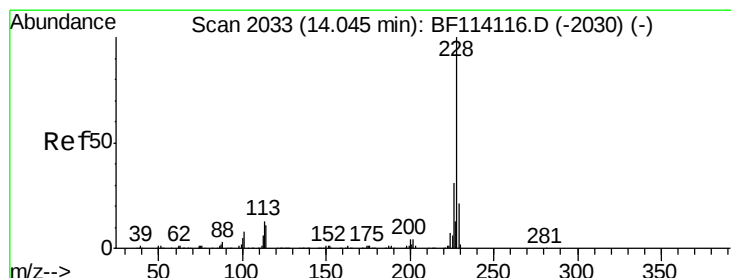
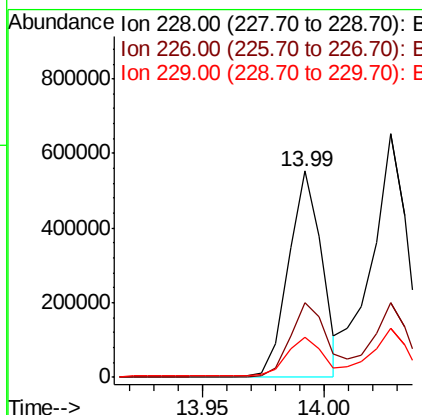
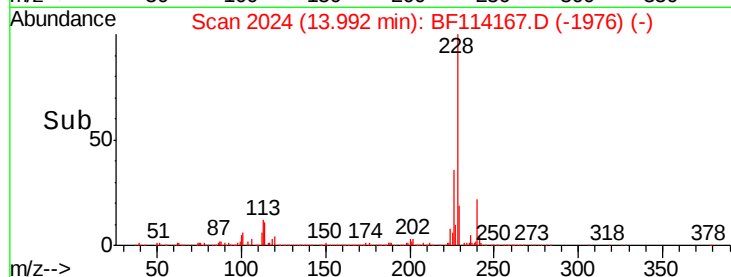
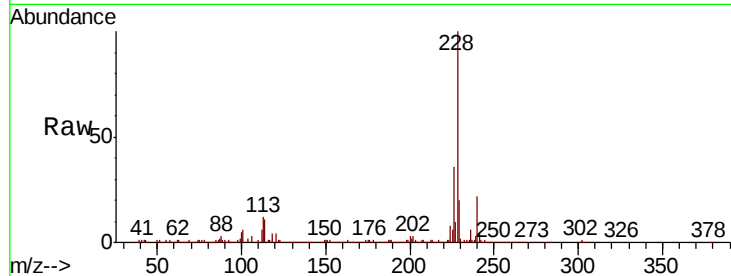
#81
Benzo(a)anthracene
Concen: 12.331 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF114167.D
Acq: 11 May 2019 21:48

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-02

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.2	22.2	33.2#
229	19.7	16.4	24.6

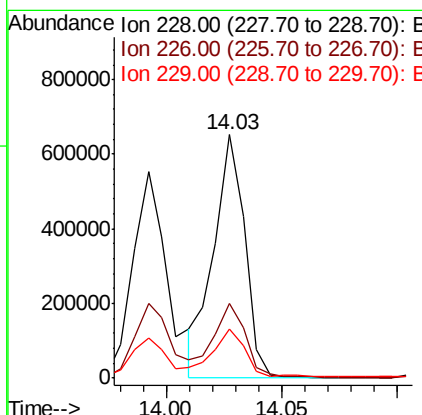
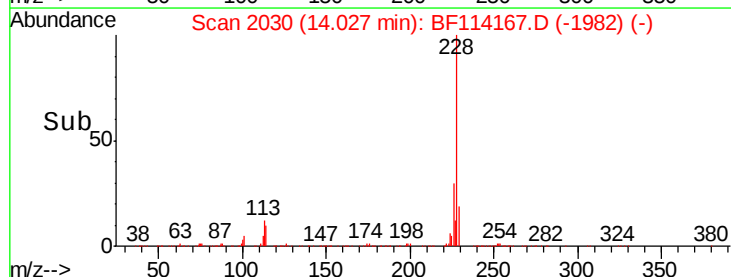
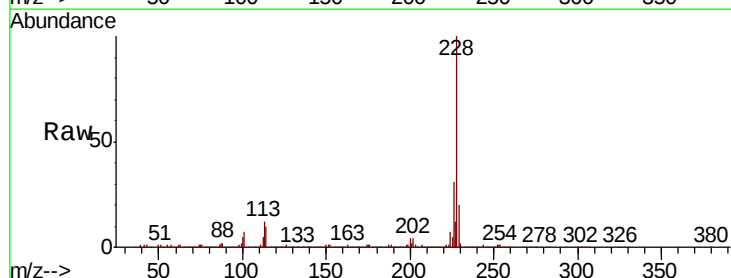
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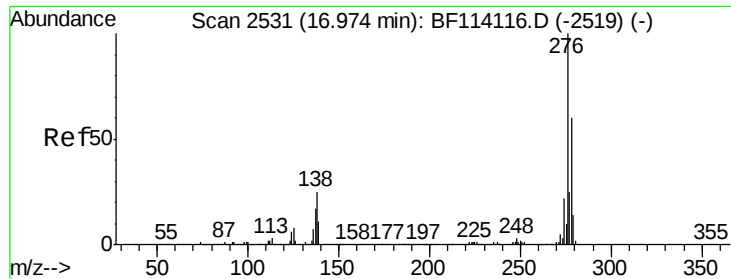
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5/13/2019 8:35:55 PM



#83
Chrysene
Concen: 14.426 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF114167.D
Acq: 11 May 2019 21:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	20.1	17.0	25.6





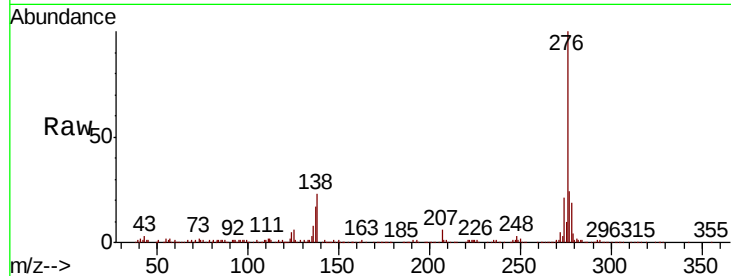
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.457 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.05 min
Lab File: BF114167.D
Acq: 11 May 2019 21:48

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-02

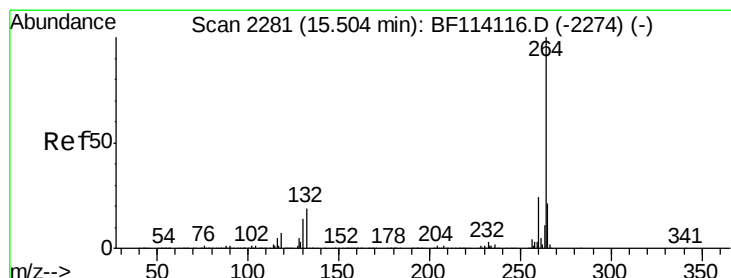
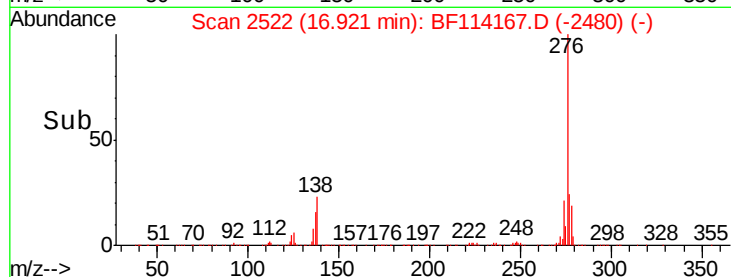
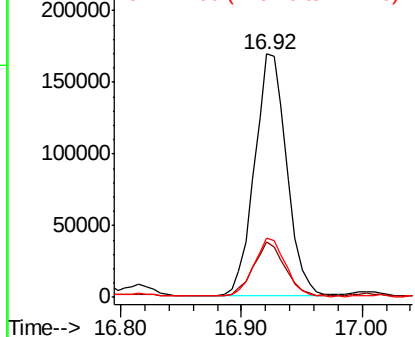
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.2	30.2
277	23.7	20.0	30.0

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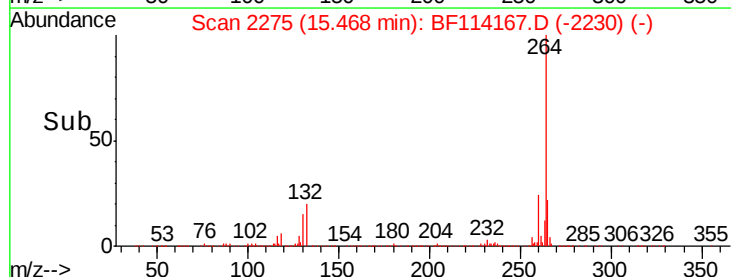
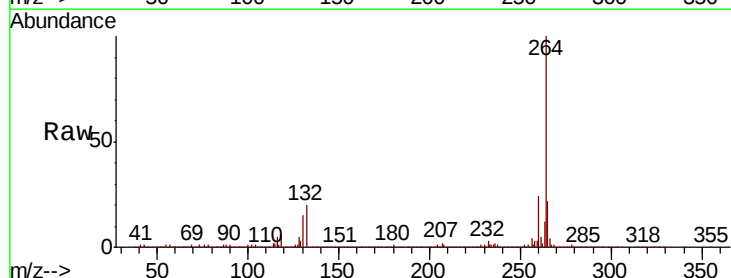
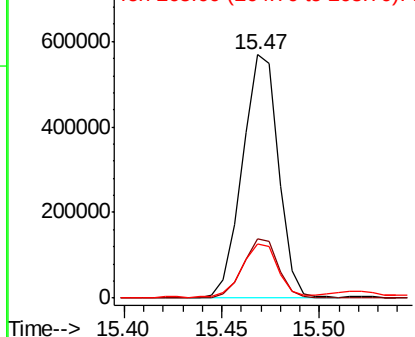
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

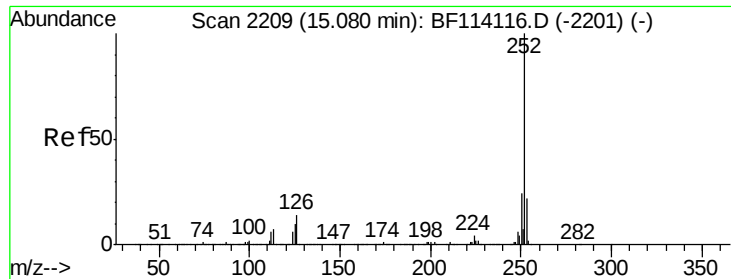


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.04 min
Lab File: BF114167.D
Acq: 11 May 2019 21:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	22.3	16.9	25.3

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





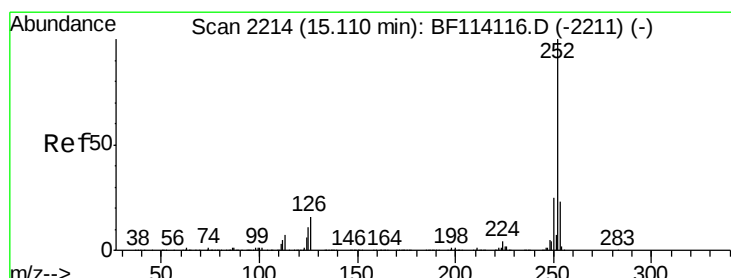
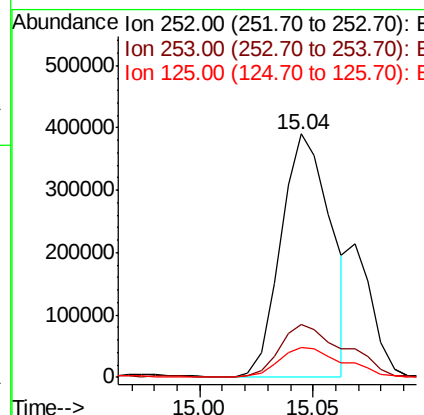
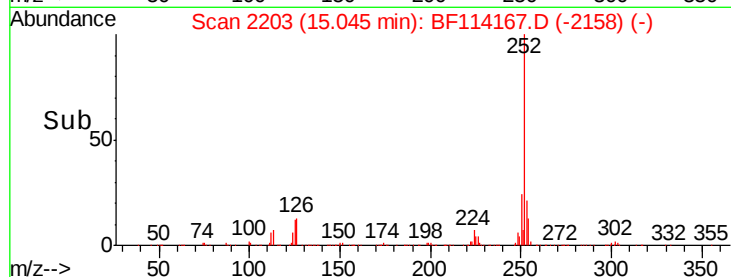
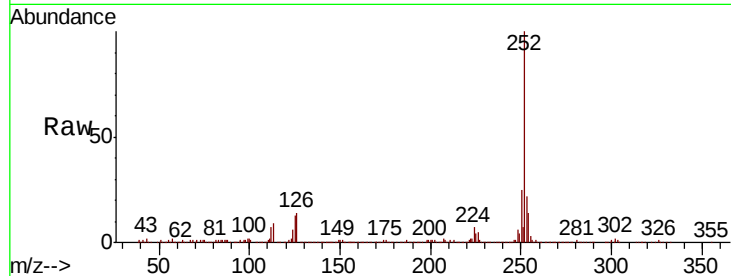
#88
Benzo(b)fluoranthene
Concen: 12.984 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF114167.D
Acq: 11 May 2019 21:48

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	12.5	8.3	12.5

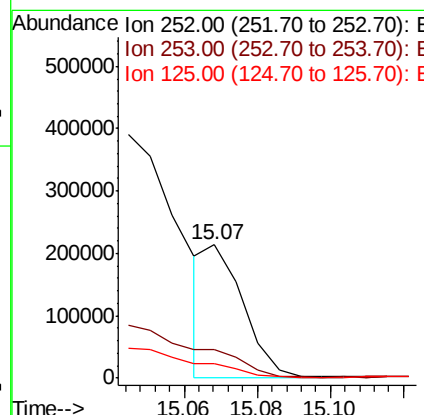
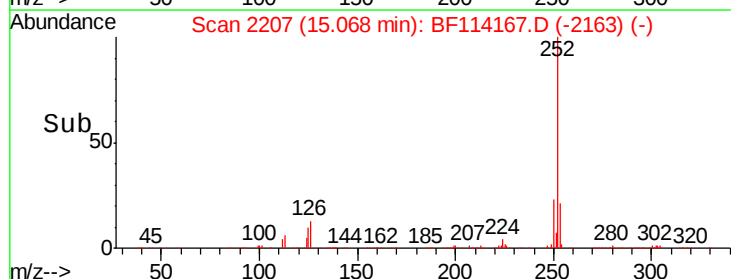
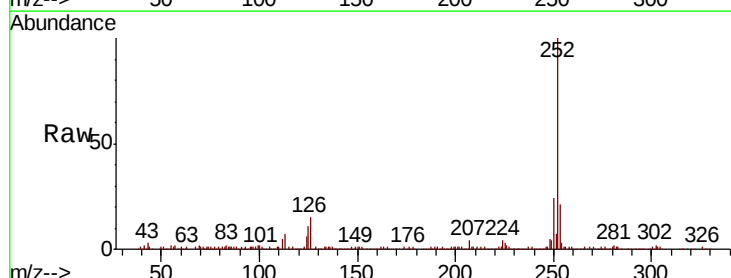
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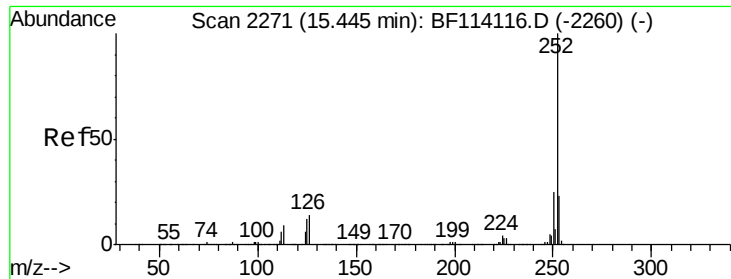
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5/13/2019 8:35:55 PM



#89
Benzo(k)fluoranthene
Concen: 3.683 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF114167.D
Acq: 11 May 2019 21:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.2	27.2
125	10.9	8.6	13.0





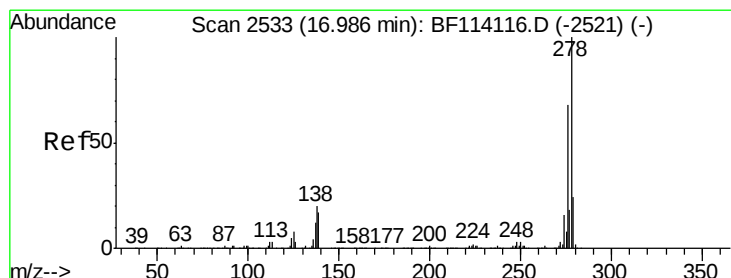
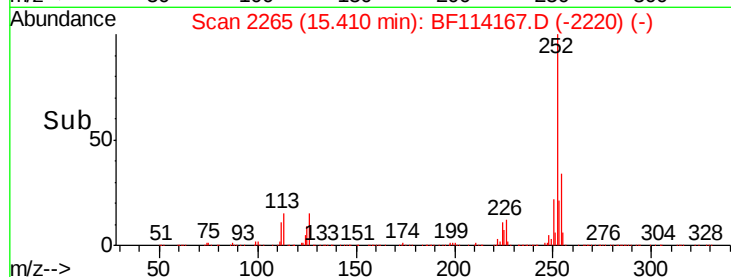
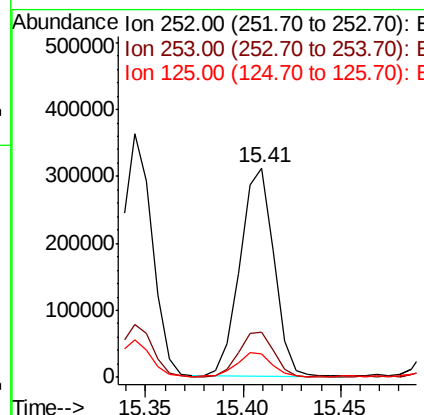
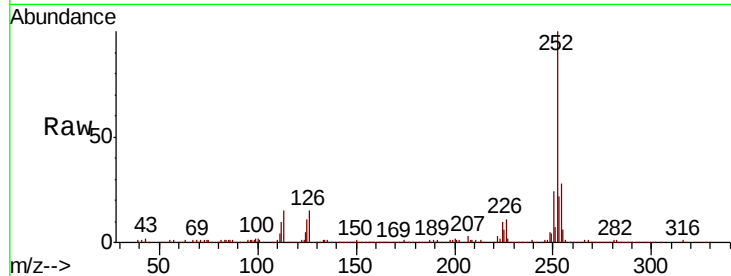
#90
Benzo(a)pyrene
Concen: 9.155 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.04 min
Lab File: BF114167.D
Acq: 11 May 2019 21:48

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-02

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	21.8	18.1	27.1	
125	11.2	9.5	14.3	

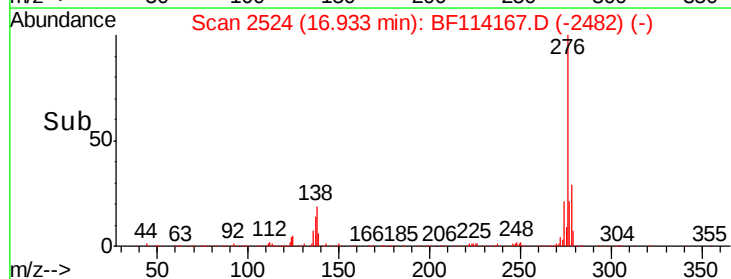
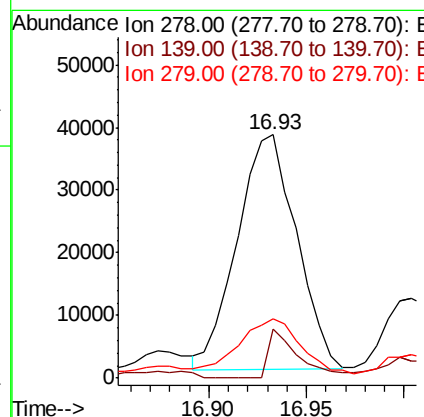
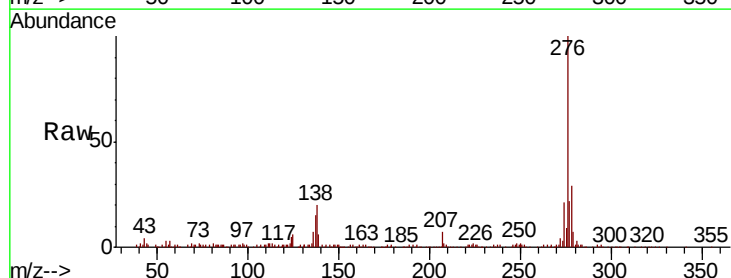
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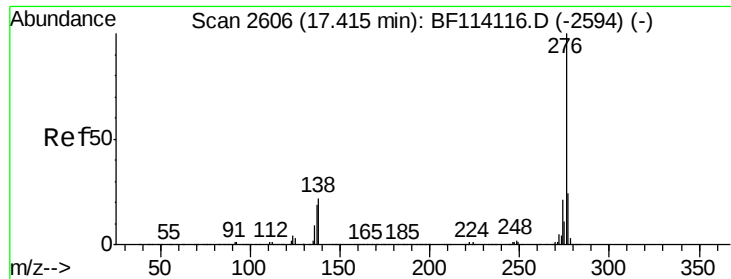
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#91
Dibenzo(a,h)anthracene
Concen: 2.328 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.05 min
Lab File: BF114167.D
Acq: 11 May 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	20.0	13.5	20.3	
279	24.6	19.0	28.6	





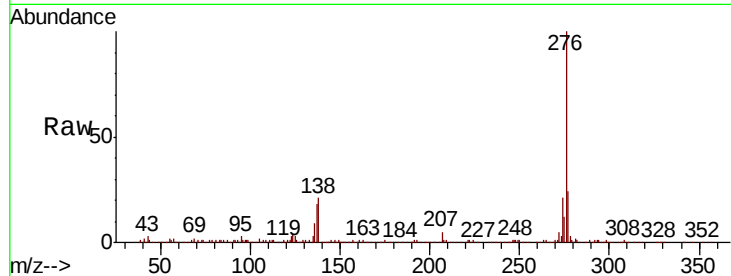
#92
 Benzo(a,h,i)perylene
 Concen: 10.950 ng
 RT: 17.37 min Scan# 2598
 Delta R.T. -0.05 min
 Lab File: BF114167.D
 Acq: 11 May 2019 21:48

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-1218-02

Tot Ion:	276	Resp:	373894
Ion Ratio		Lower	Upper
276	100		
277	23.5	19.0	28.4
138	21.2	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

