

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114251.D
 Acq On : 14 May 2019 1:52
 Operator : JU/SJ
 Sample : K2767-15DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-02DL

Manual Integrations
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Sohil
 5/14/2019 8:03:39 PM

Quant Time: May 14 13:38:58 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	246424	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	996205	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	475893	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	883757	20.00	ng	0.01
76) Chrysene-d12	14.03	240	582578	20.00	ng	0.00
87) Perylene-d12	15.51	264	585409	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	289335	18.89	ng	0.00
7) Phenol-d6	6.50	99	408524	22.56	ng	0.00
23) Nitrobenzene-d5	7.41	82	249064	14.03	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	82241	16.72	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	405331	12.88	ng	0.00
79) Terphenyl-d14	12.96	244	318973	11.29	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	201591	4.332	ng	97
37) 2-Methylnaphthalene	8.85	142	85603	2.851	ng	98
38) 1-Methylnaphthalene	8.95	142	58524	2.070	ng	99
49) Acenaphthylene	9.75	152	384699	8.175	ng	97
50) Dimethylphthalate	9.60	163	73382	2.101	ng	99
71) Phenanthrene	11.40	178	1200314	27.917	ng	99
72) Anthracene	11.45	178	170054	3.938	ng	96
75) Fluoranthene	12.60	202	1400225	30.242	ng	99
78) Pyrene	12.83	202	2443194	52.132	ng	99
81) Benzo(a)anthracene	14.02	228	847608m	22.494	ng	
83) Chrysene	14.05	228	1042867	28.233	ng	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	376384	11.530	ng	95
88) Benzo(b)fluoranthene	15.08	252	1069896m	28.527	ng	
89) Benzo(k)fluoranthene	15.10	252	243778m	7.076	ng	
90) Benzo(a)pyrene	15.44	252	740291	22.428	ng	99
91) Dibenzo(a,h)anthracene	16.99	278	100129m	3.651	ng	
92) Benzo(g,h,i)perylene	17.44	276	425437	15.478	ng	97

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

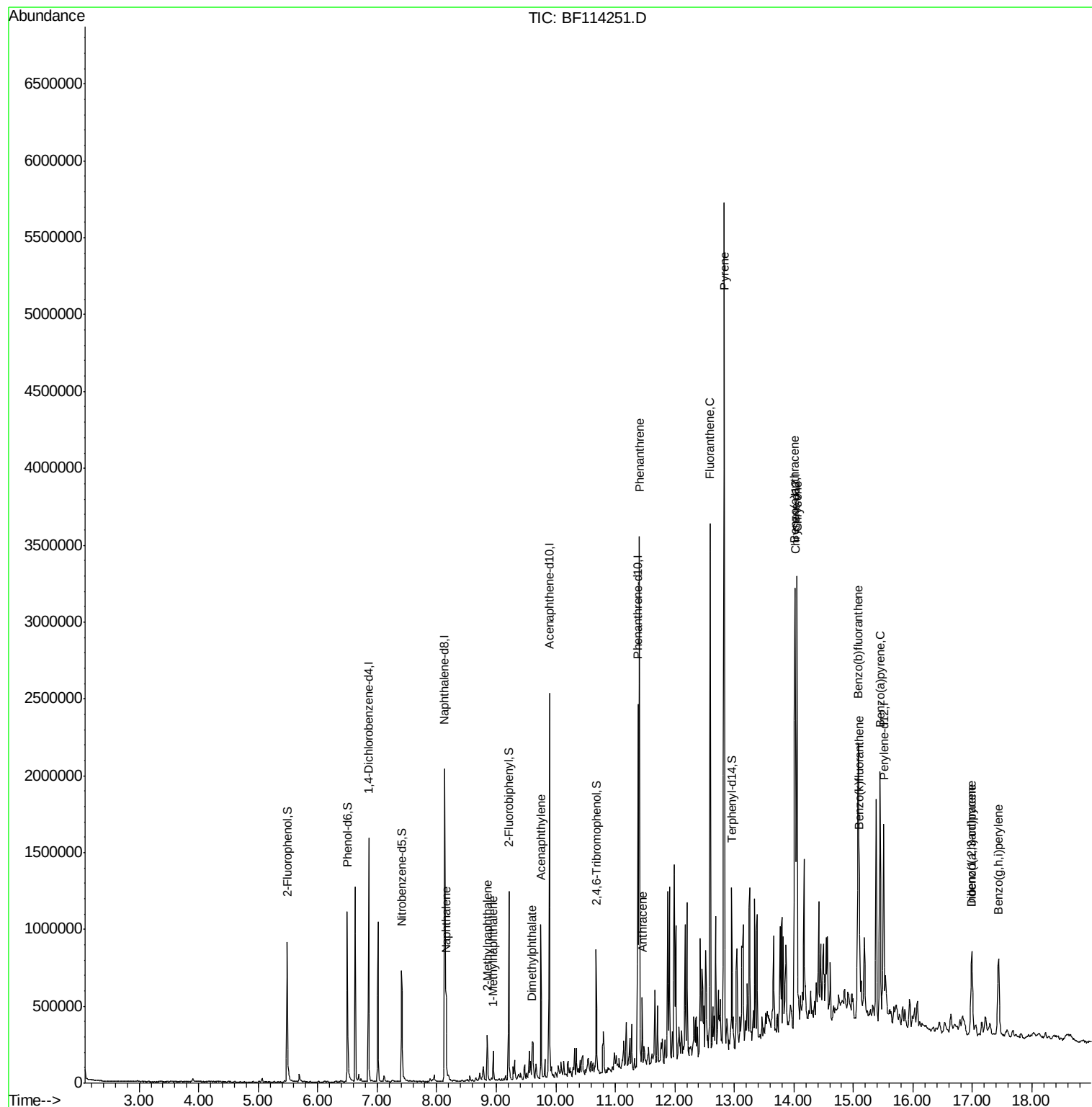
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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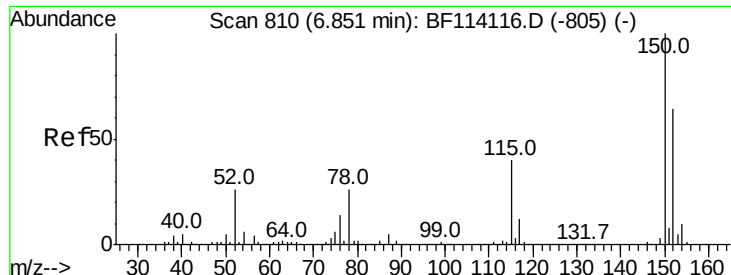
Instrument :
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P026-SS012-0002-02DL

Manual Integrations
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Quant Time: May 14 13:38:58 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
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#1

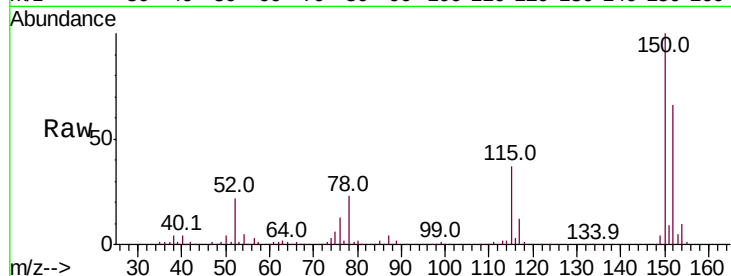
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.3	186.5
115	55.3	49.1	73.7

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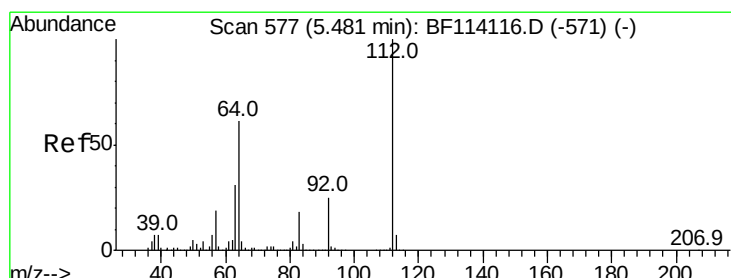
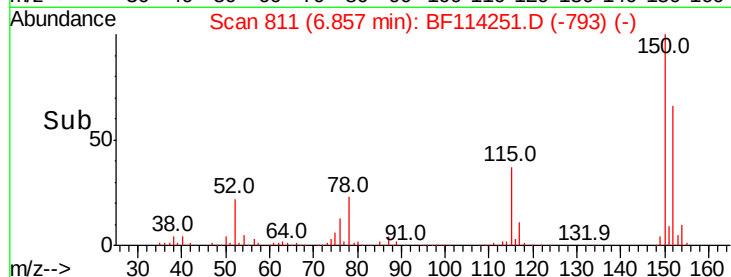
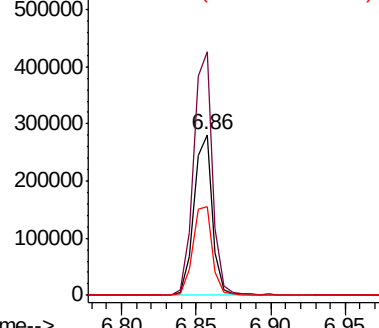


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

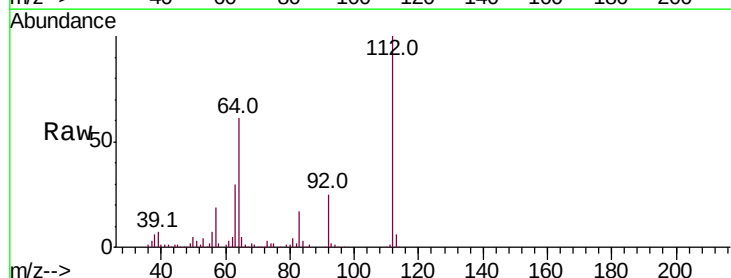
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.895 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	49.0	73.6
63	30.1	24.6	37.0

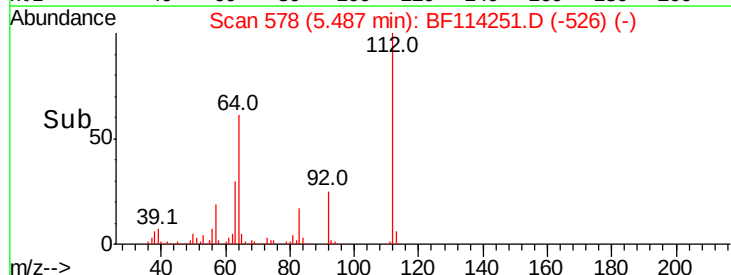
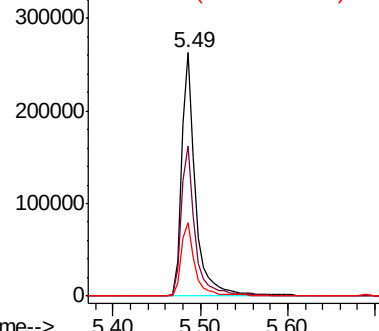


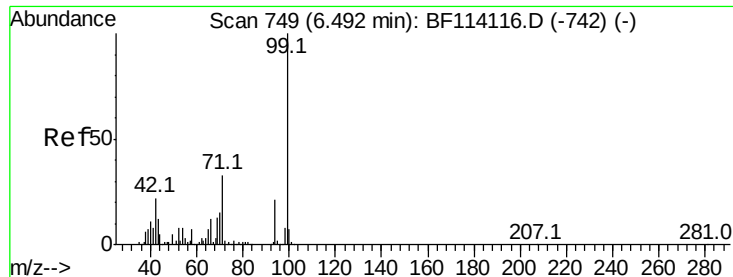
Abundance

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: 22.557 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114251.D

Acq: 14 May 2019 1:52

Instrument :

BNA_F

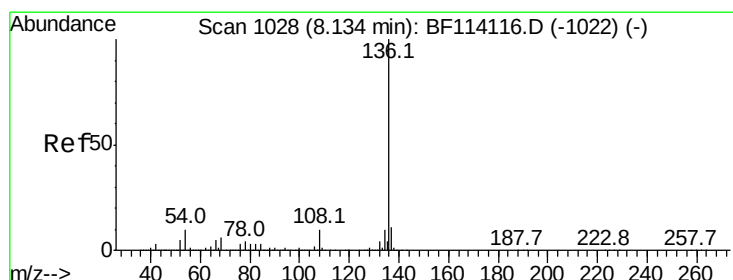
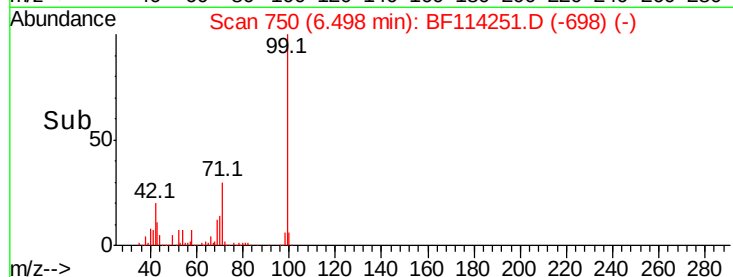
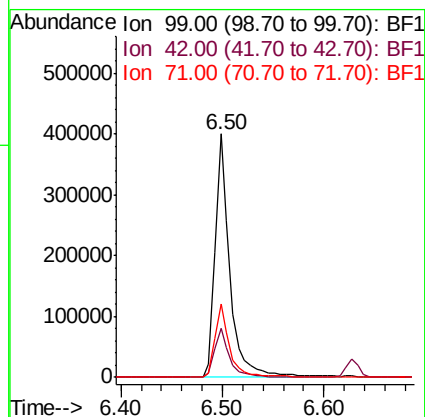
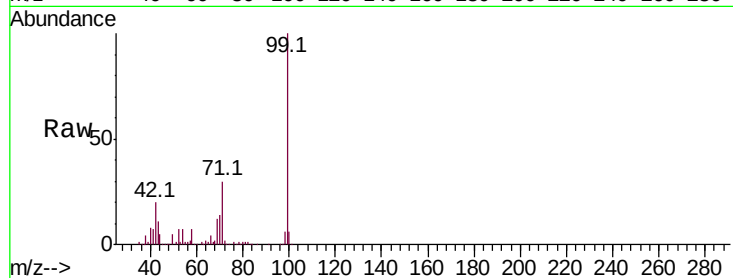
ClientSampleId :

P026-SS012-0002-02DL

Tot Ion:	99	Resp:	408524
Ion Ratio	Lower	Upper	
99	100		
42	19.9	17.9	26.9
71	30.2	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

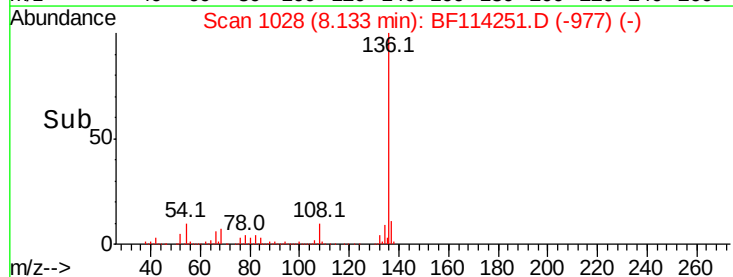
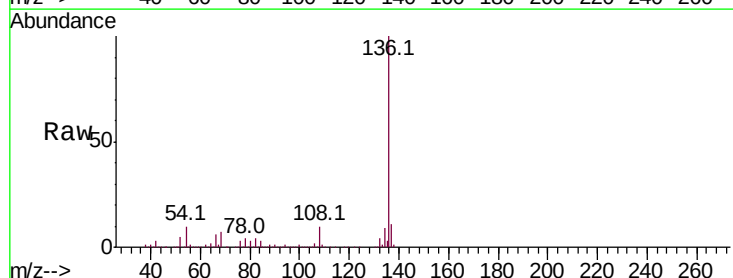
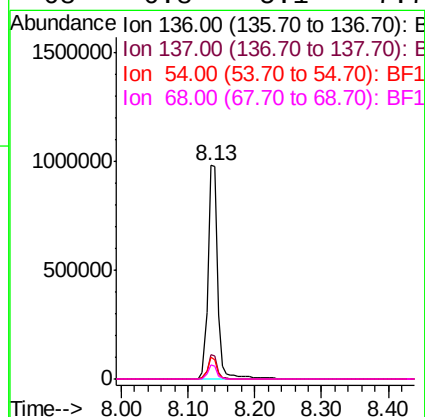
RT: 8.13 min Scan# 1028

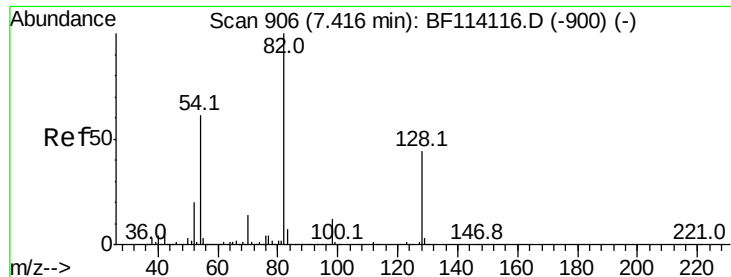
Delta R.T. -0.00 min

Lab File: BF114251.D

Acq: 14 May 2019 1:52

Tgt Ion:	136	Resp:	996205
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.8	13.2
54	10.3	7.8	11.8
68	6.8	5.1	7.7





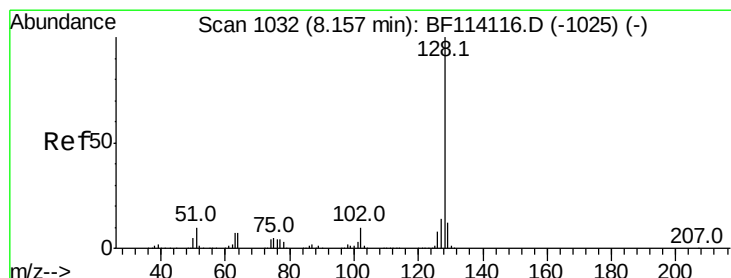
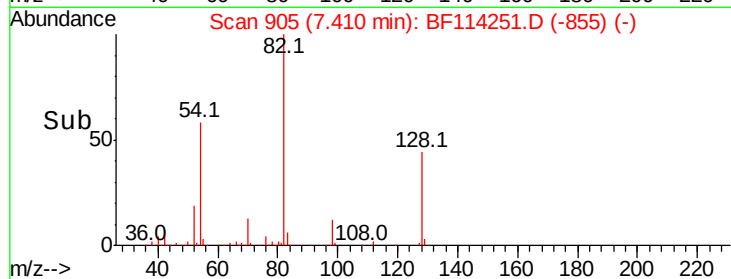
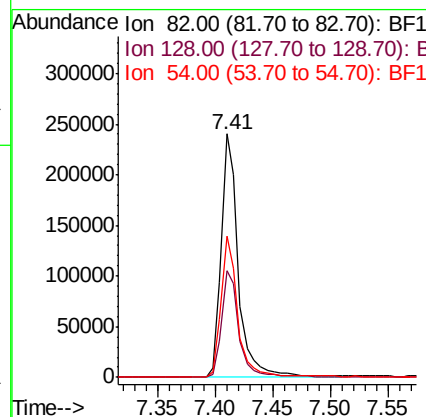
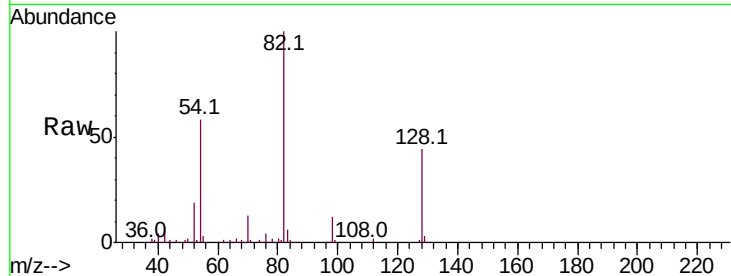
#23
Nitrobenzene-d5
Concen: 14.031 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	249064		
128	44.0	35.5	53.3	
54	58.1	48.5	72.7	

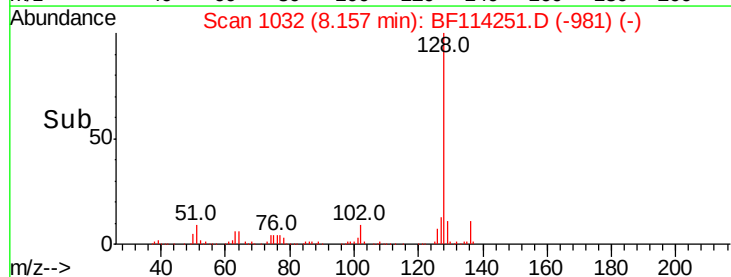
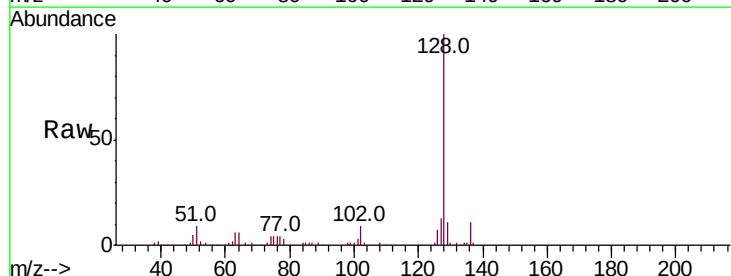
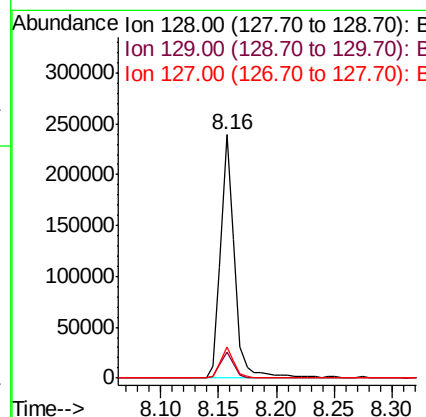
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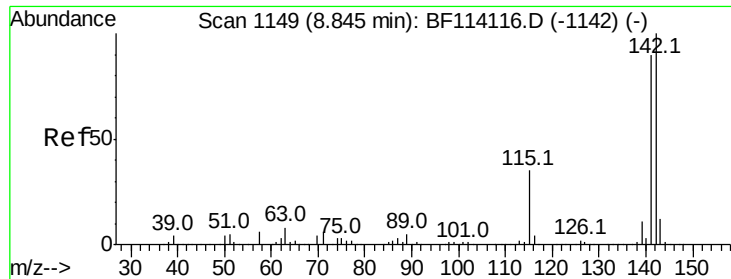
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#31
Naphthalene
Concen: 4.332 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	201591		
129	10.9	9.6	14.4	
127	12.6	11.3	16.9	





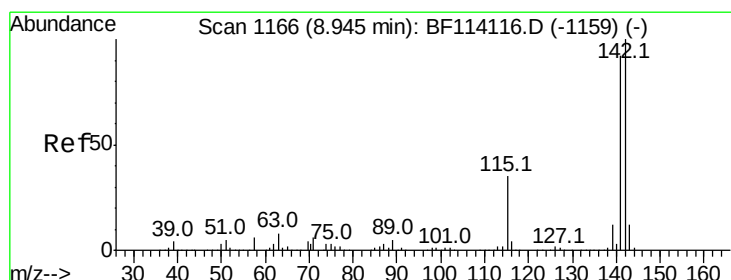
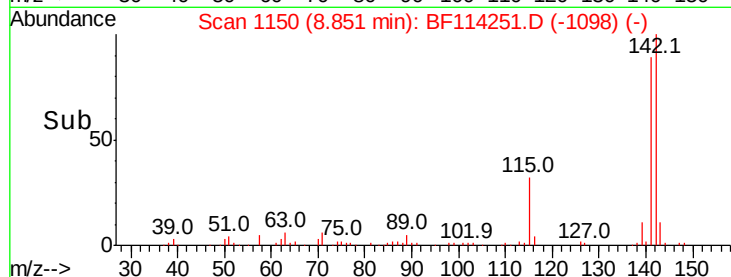
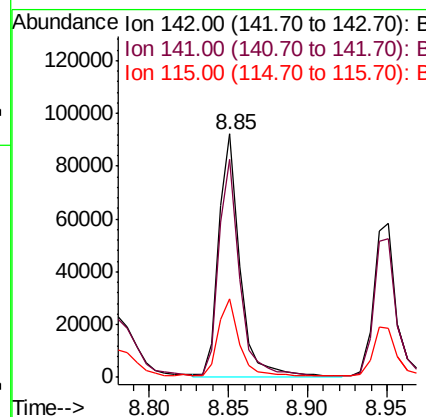
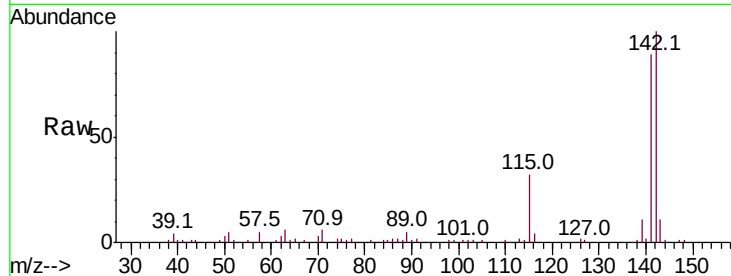
#37
2-Methylnaphthalene
Concen: 2.851 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.1	108.1
115	32.0	28.0	42.0

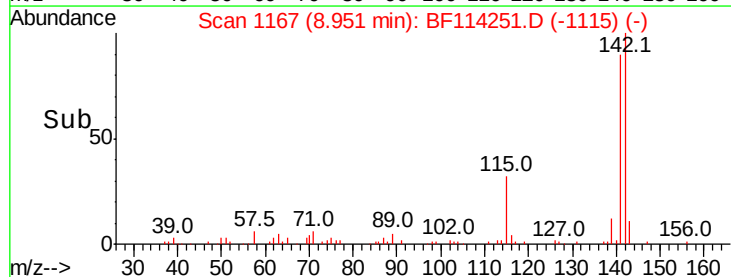
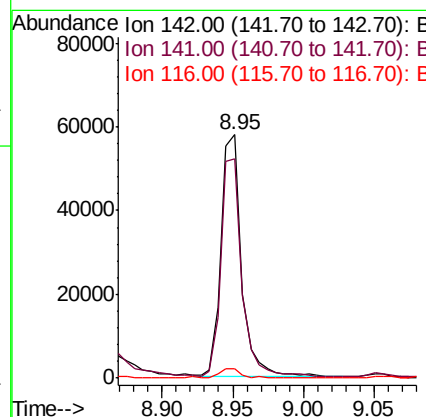
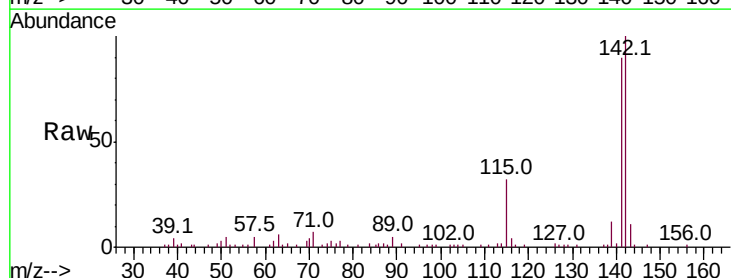
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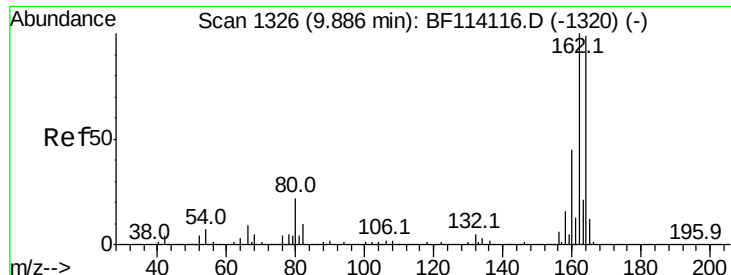
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#38
1-Methylnaphthalene
Concen: 2.070 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.4	110.0
116	3.8	3.1	4.7





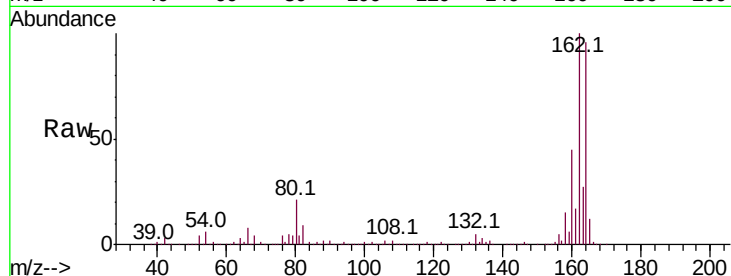
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF114251.D
 Acq: 14 May 2019 1:52

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-02DL

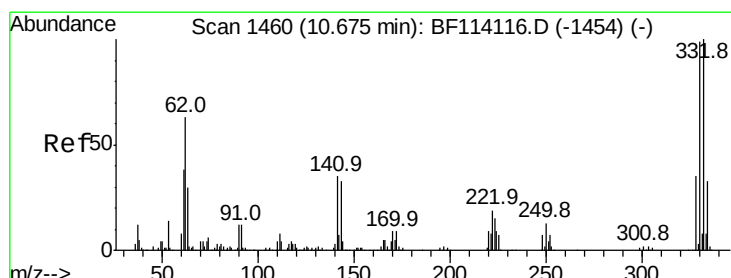
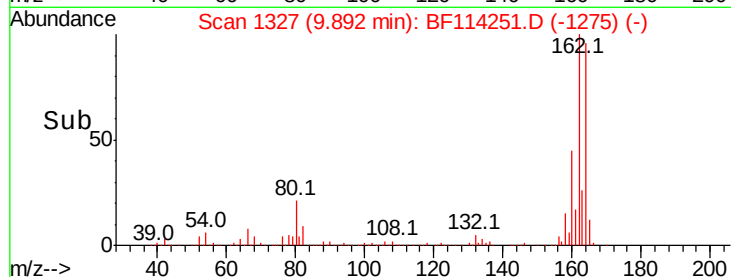
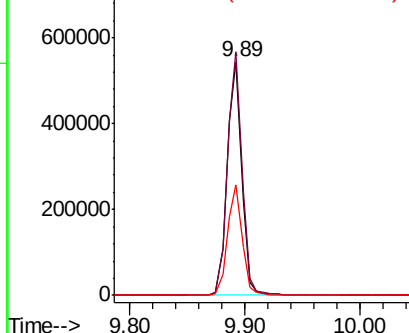
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.2	80.6	120.8	
160	47.0	36.5	54.7	

Manual Integrations
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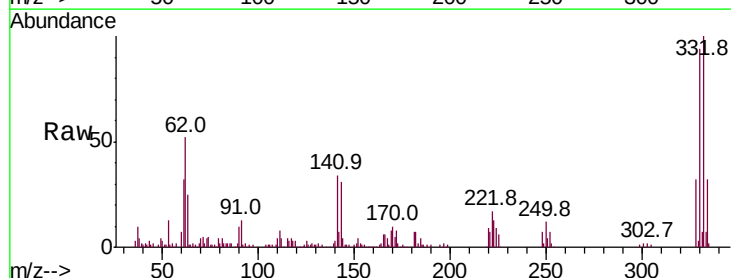


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

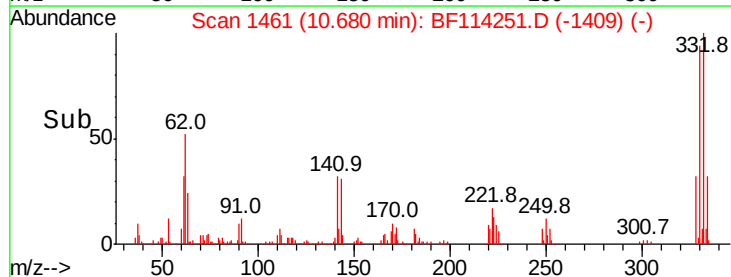
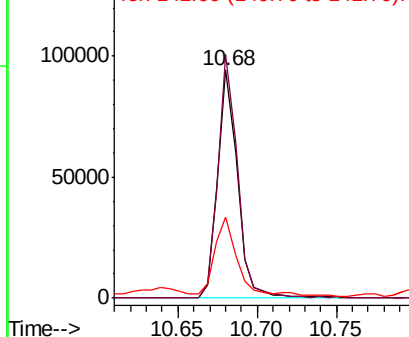


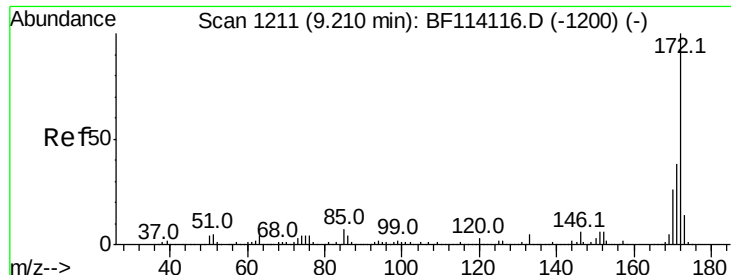
#42
 2,4,6-Tribromophenol
 Concen: 16.716 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.01 min
 Lab File: BF114251.D
 Acq: 14 May 2019 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	105.4	81.4	122.2	
141	40.4	26.6	40.0	



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





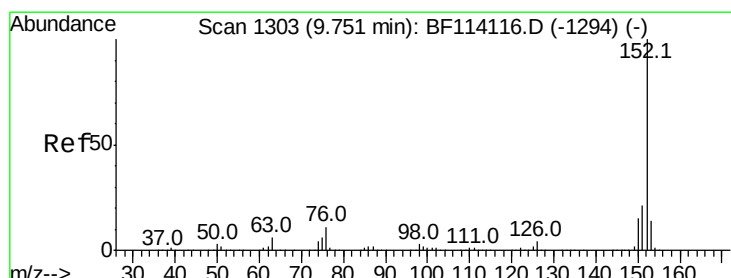
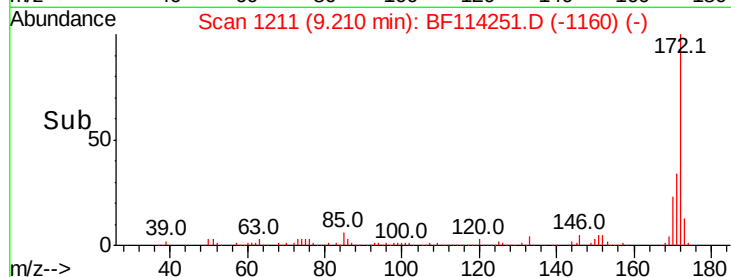
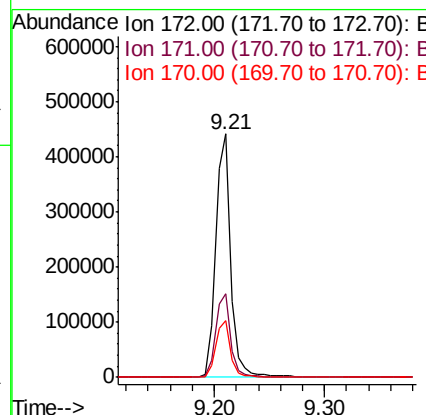
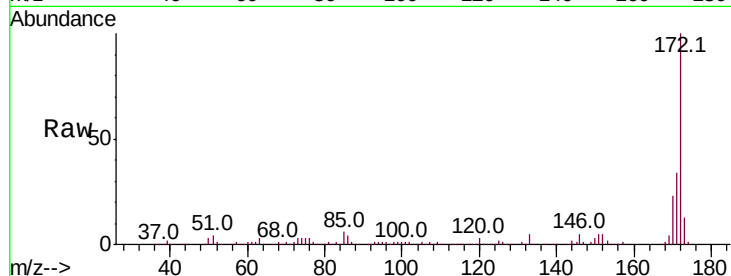
#45
2-Fluorobiphenyl
Concen: 12.884 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	30.7	46.1
170	23.2	20.5	30.7

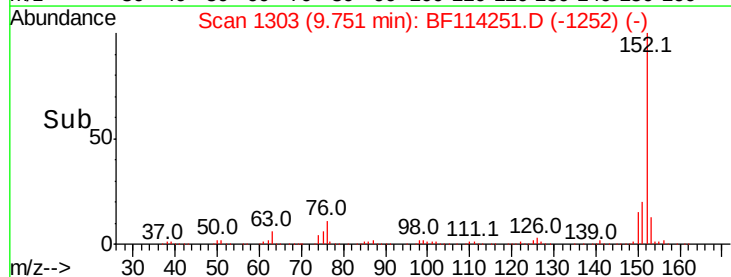
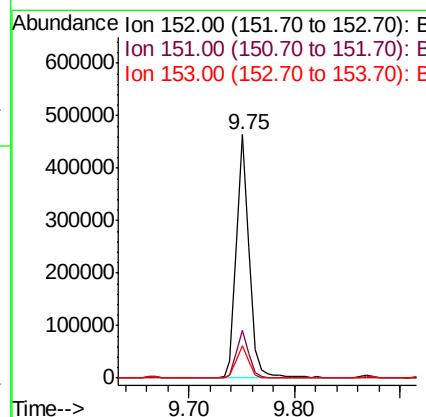
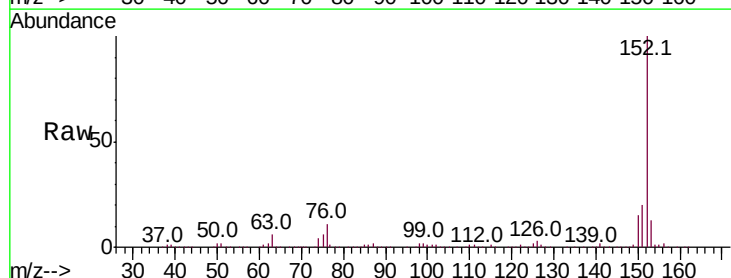
Manual Integrations
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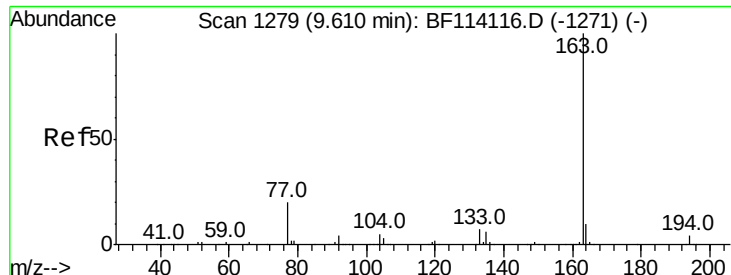
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#49
Acenaphthylene
Concen: 8.175 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.8	25.2
153	13.1	11.4	17.2





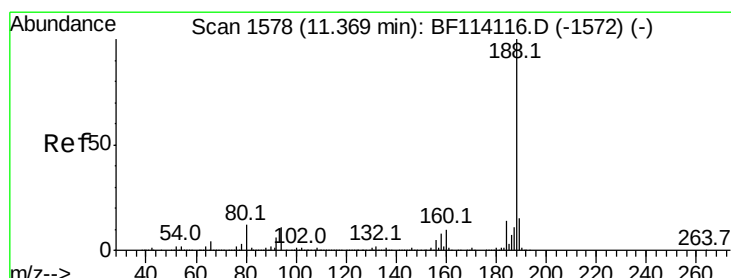
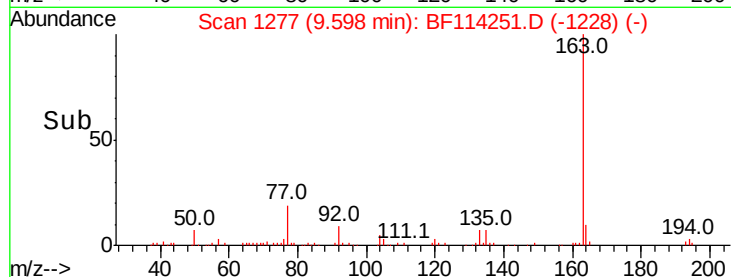
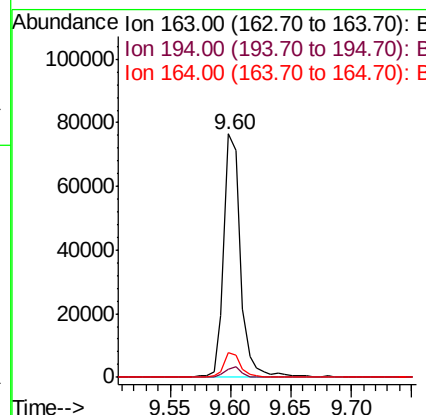
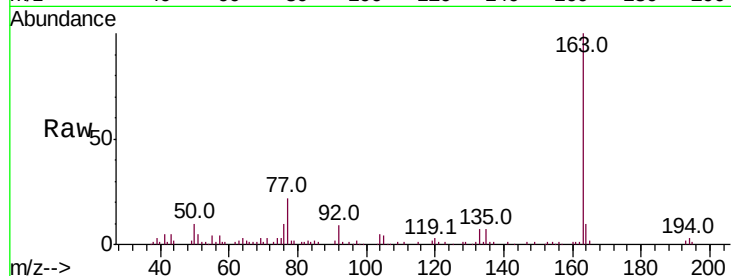
#50
Dimethylphthalate
Concen: 2.101 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.4	5.0
164	10.1	8.2	12.2

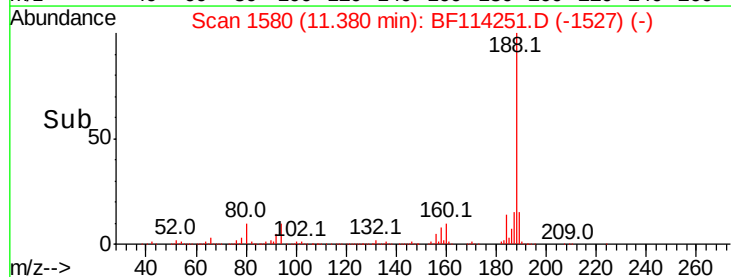
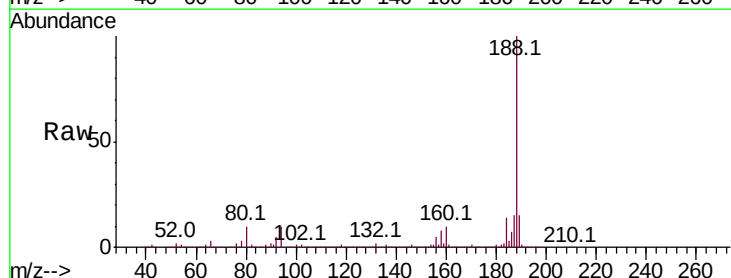
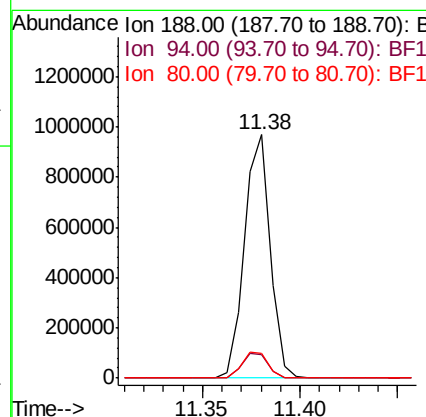
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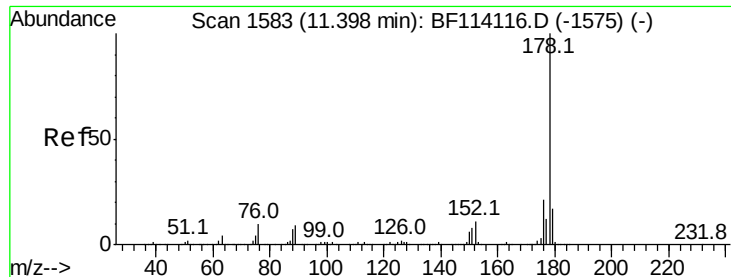
Sohil
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.4	12.6
80	9.9	9.2	13.8





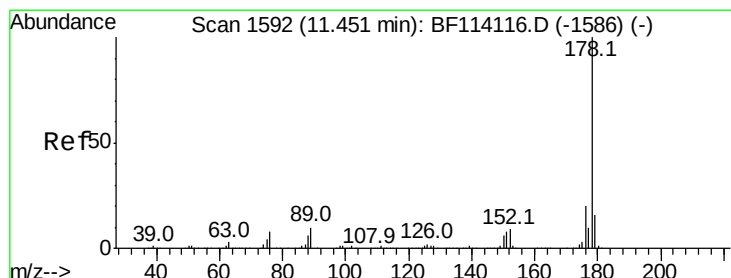
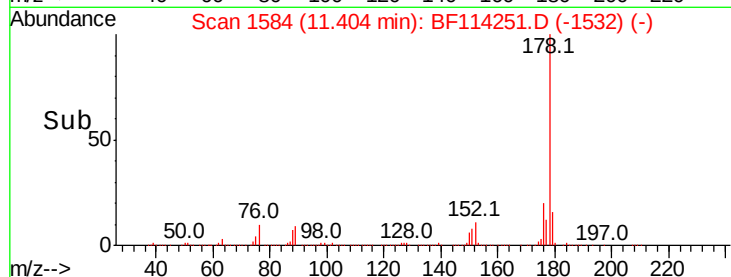
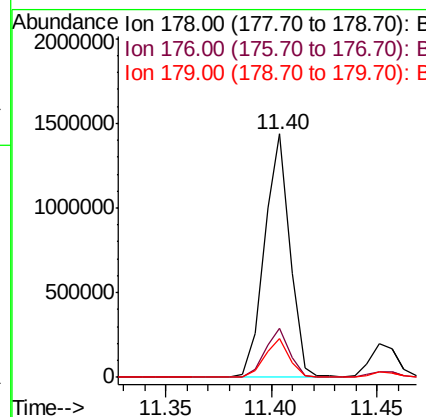
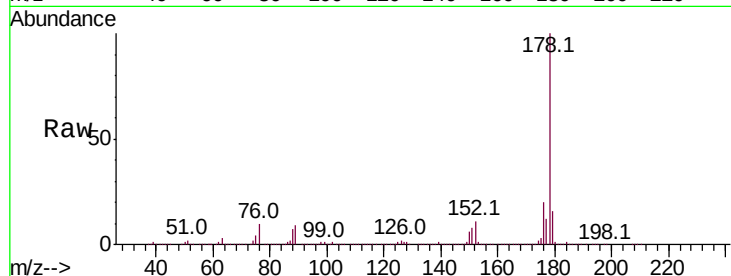
#71
Phenanthrene
Concen: 27.917 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion:178 Resp: 1200314
Ion Ratio Lower Upper
178 100
176 20.1 16.4 24.6
179 15.7 13.2 19.8

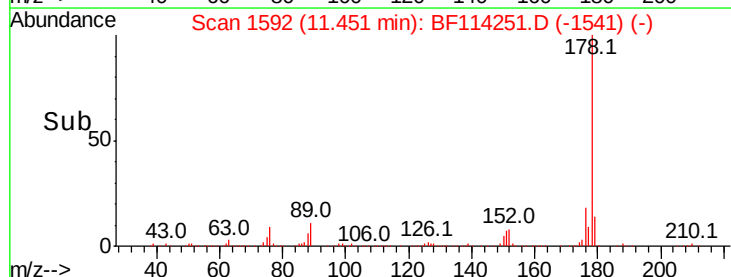
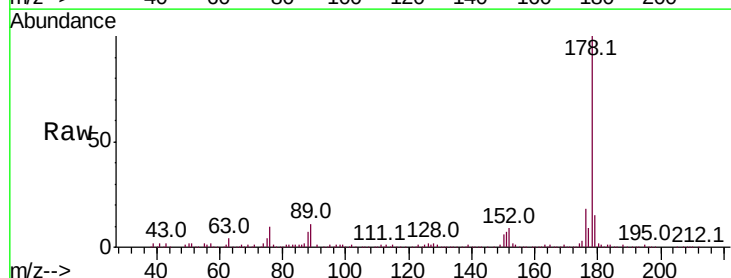
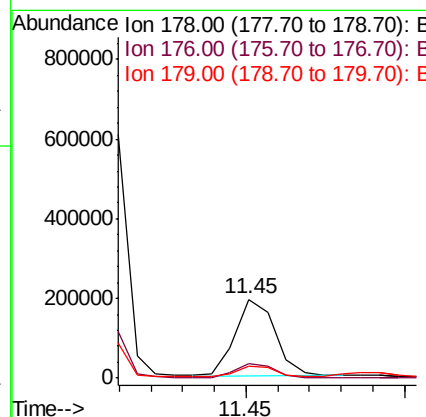
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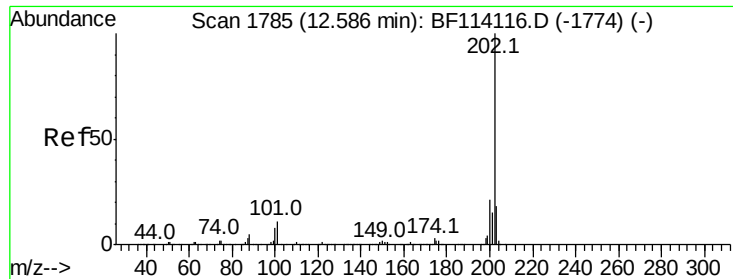
Sohil
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#72
Anthracene
Concen: 3.938 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Tgt Ion:178 Resp: 170054
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.8
179 14.6 13.0 19.4





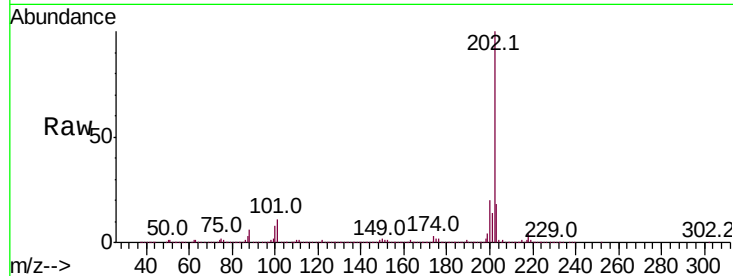
#75
Fluoranthene
Concen: 30.242 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.01 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1400225		
101	11.3	0.0	31.0	
203	17.8	0.0	38.4	

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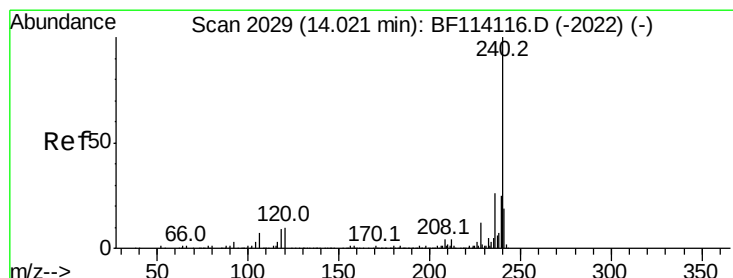
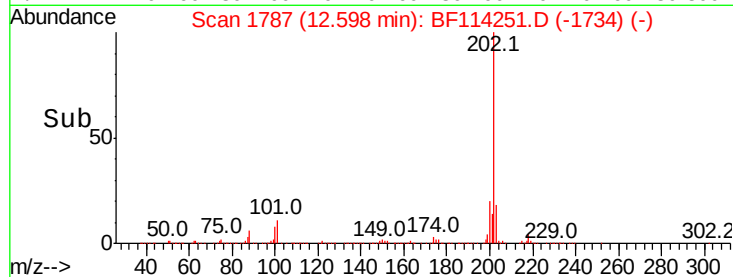
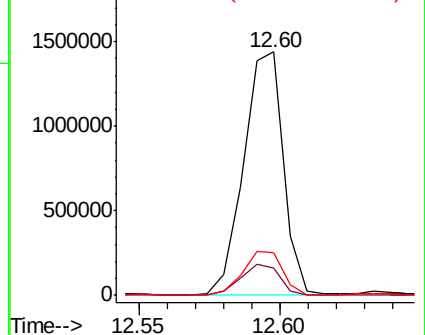


Abundance

Ion 202.00 (201.70 to 202.70): E

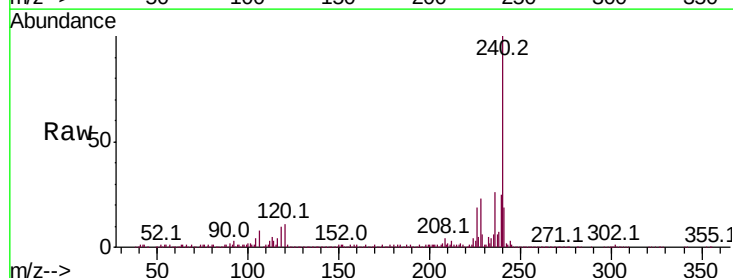
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	582578		
120	11.0	8.3	12.5	
236	25.5	20.8	31.2	

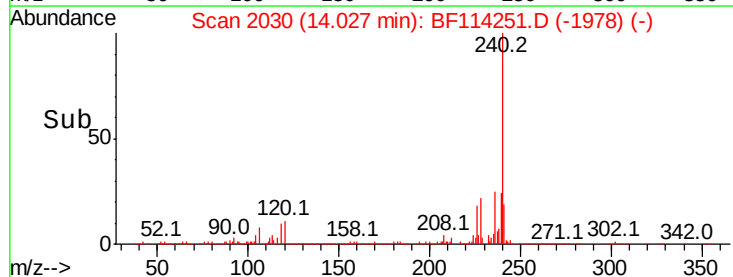
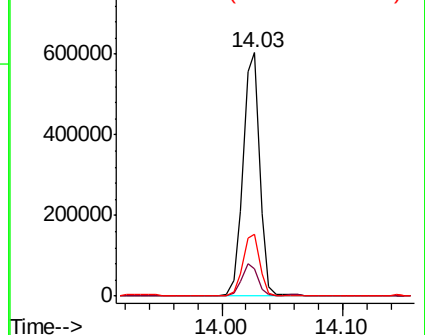


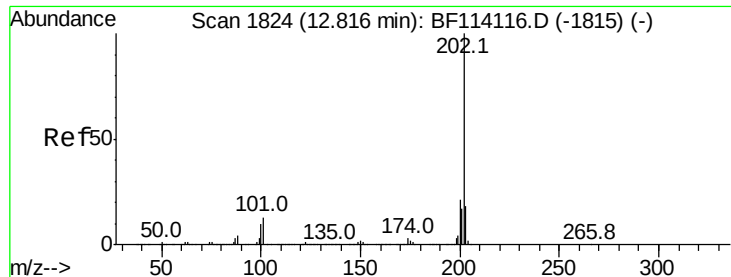
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 52.132 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF114251.D

Acq: 14 May 2019 1:52

Instrument :

BNA_F

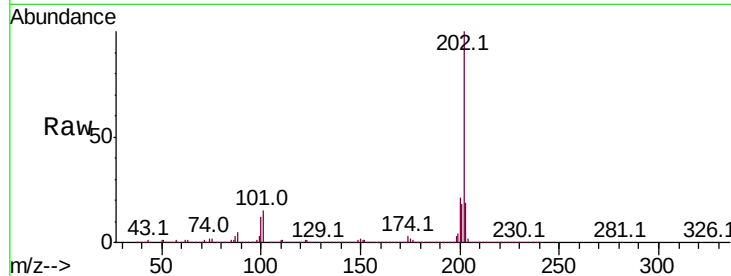
ClientSampleId :

P026-SS012-0002-02DL

Tot Ion:	202	Resp:	2443194
Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.9	25.3
203	18.7	14.5	21.7

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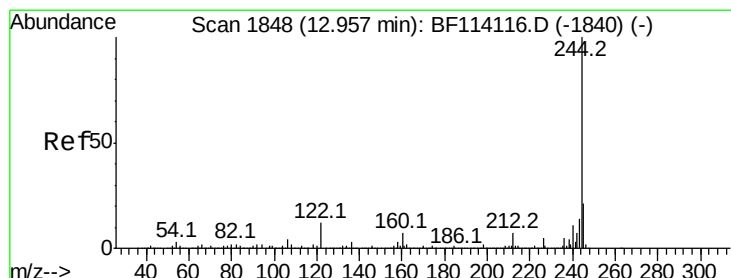
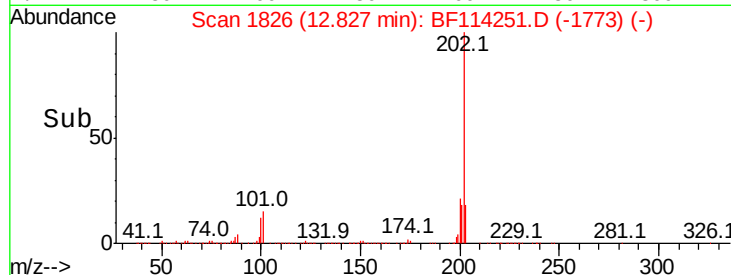
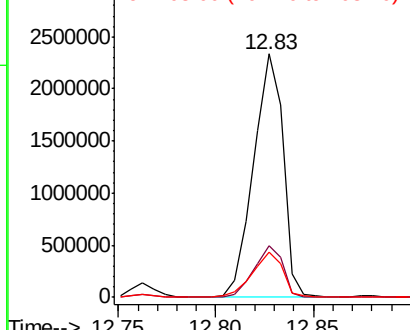


Abundance

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: 11.287 ng

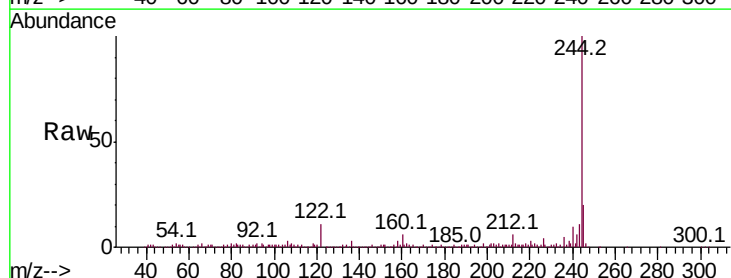
RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF114251.D

Acq: 14 May 2019 1:52

Tgt Ion:	244	Resp:	318973
Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.6
122	11.2	9.4	14.2

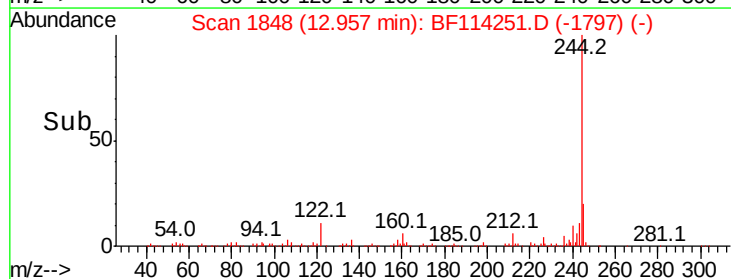
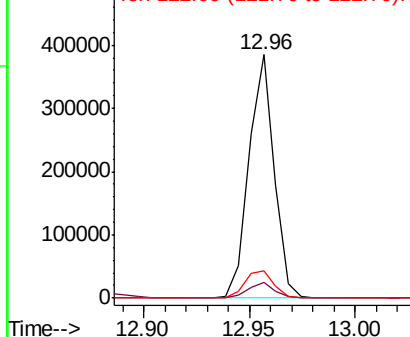


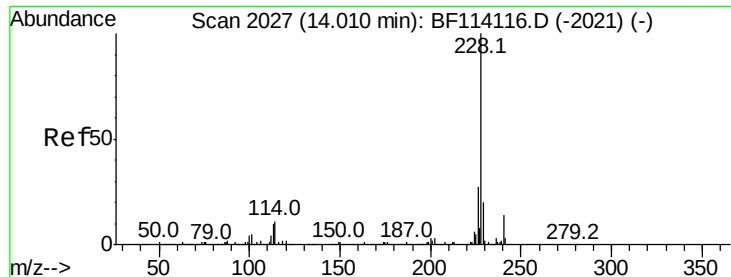
Abundance

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: 22.494 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF114251.D

Acq: 14 May 2019 1:52

Instrument :

BNA_F

ClientSampleId :

P026-SS012-0002-02DL

Tot Ion:228 Resp: 847608

Ion Ratio Lower Upper

228 100

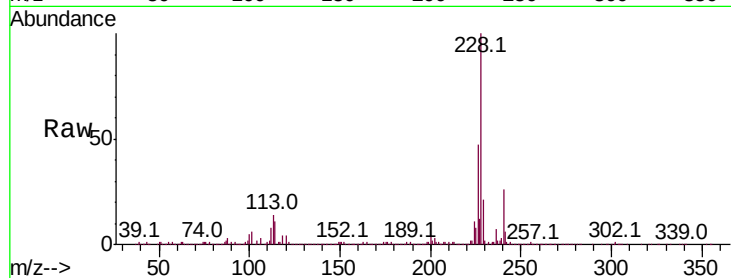
226 47.0 22.2 33.2#

229 20.7 16.4 24.6

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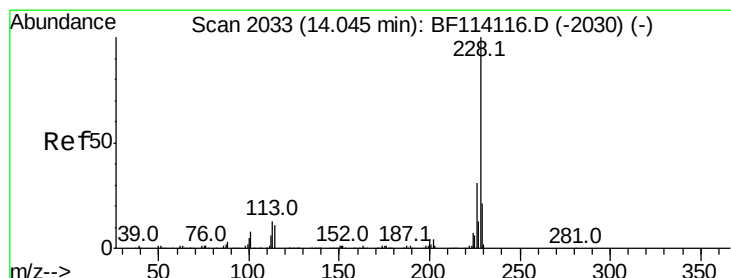
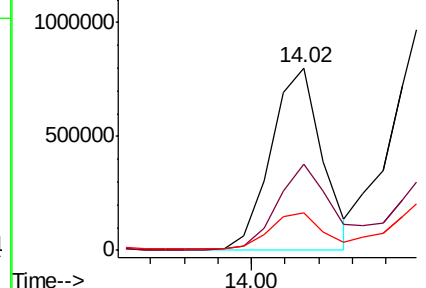
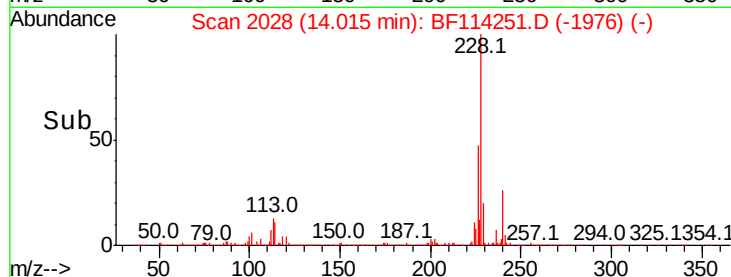
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 28.233 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF114251.D

Acq: 14 May 2019 1:52

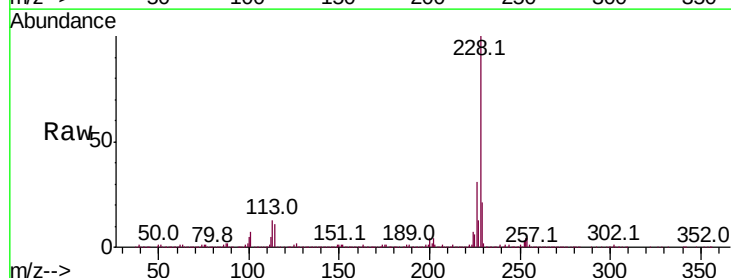
Tgt Ion:228 Resp: 1042867

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

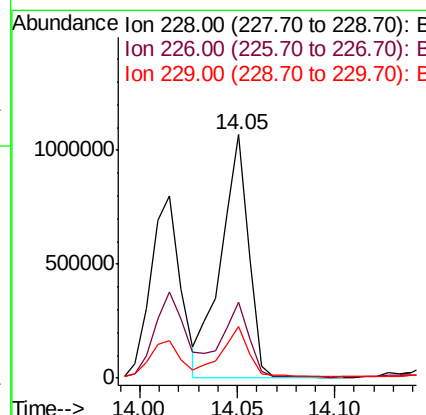
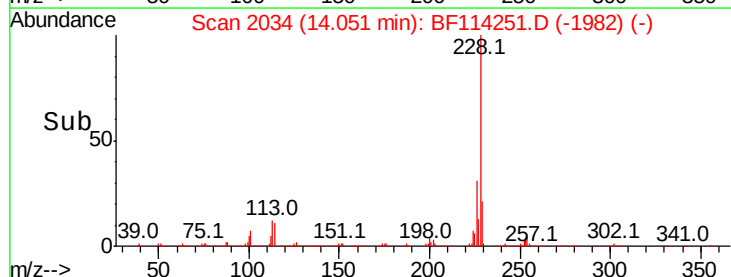
229 21.0 17.0 25.6

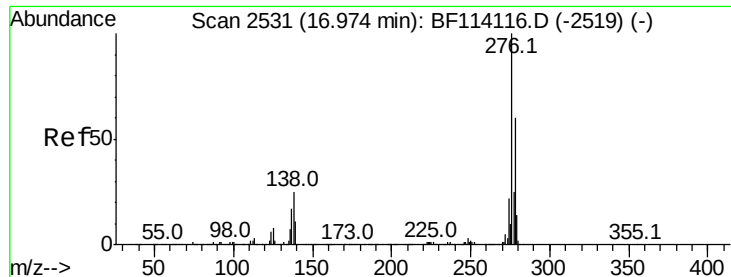


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





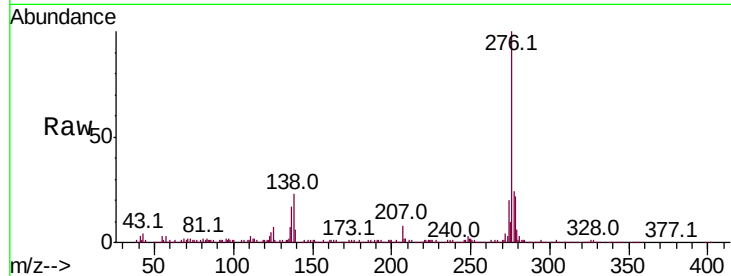
#86
Indeno(1,2,3-cd)pyrene
Concen: 11.530 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

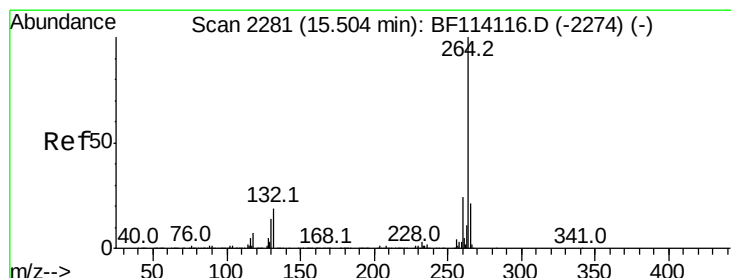
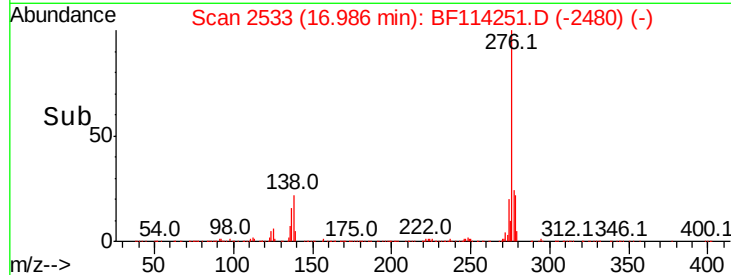
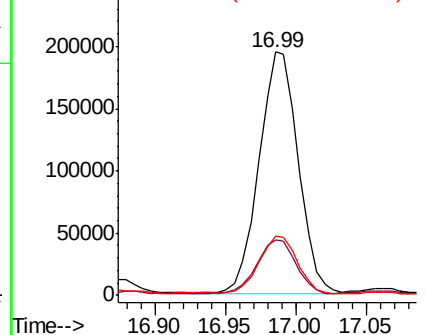
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	20.2	30.2
277	23.3	20.0	30.0

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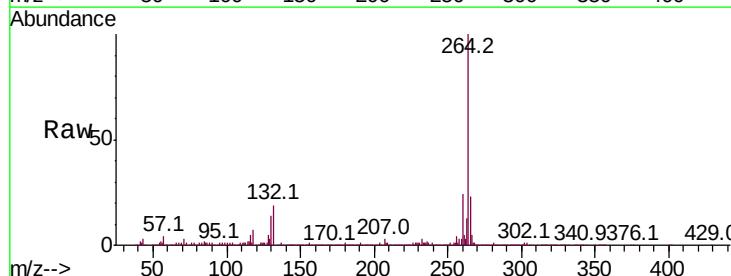


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

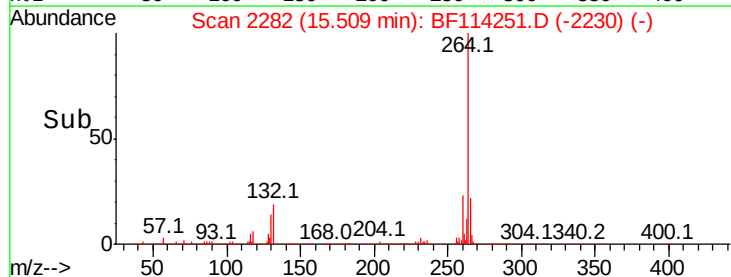
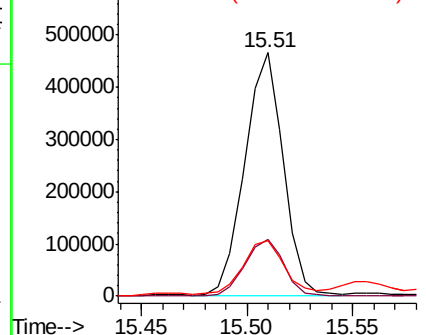


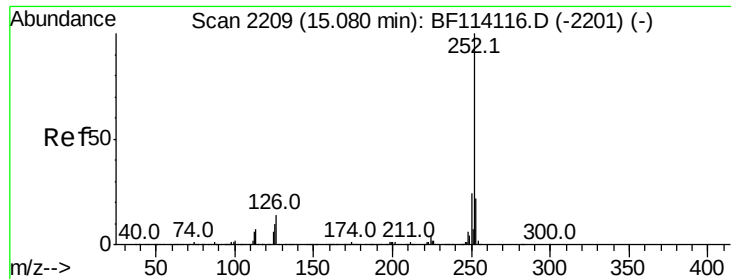
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.0
265	22.8	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: 28.527 ng m

RT: 15.08 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BF114251.D

Acq: 14 May 2019 1:52

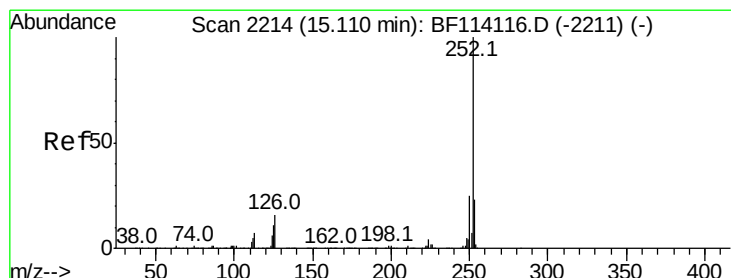
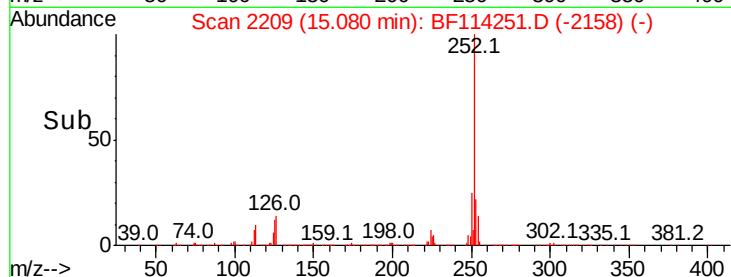
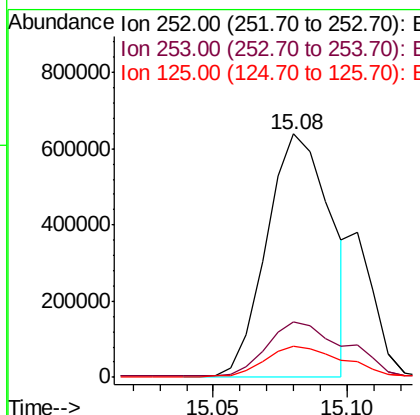
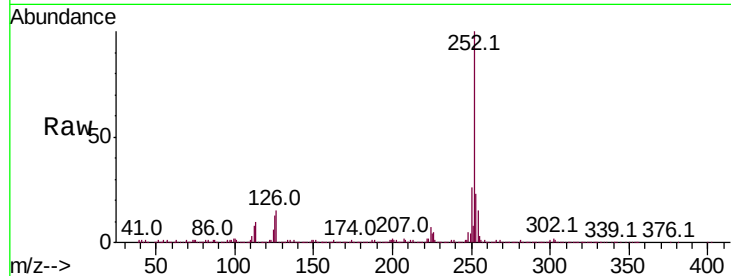
Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion:252 Resp: 1069896

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	12.8	8.3	12.5

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#89

Benzo(k)fluoranthene

Concen: 7.076 ng m

RT: 15.10 min Scan# 2213

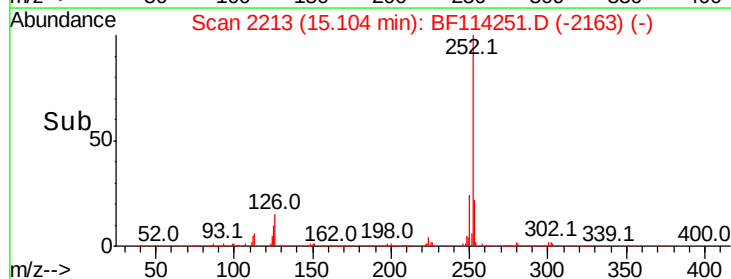
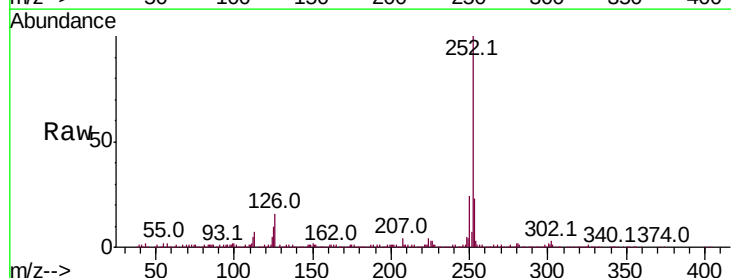
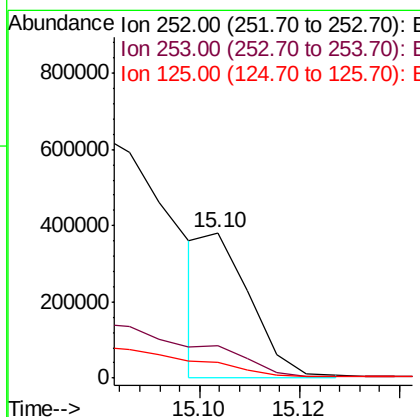
Delta R.T. -0.01 min

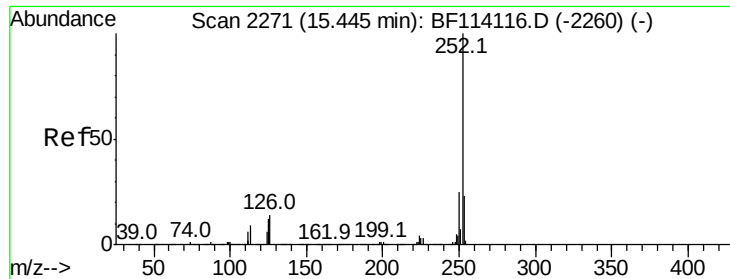
Lab File: BF114251.D

Acq: 14 May 2019 1:52

Tgt Ion:252 Resp: 243778

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	10.5	8.6	13.0





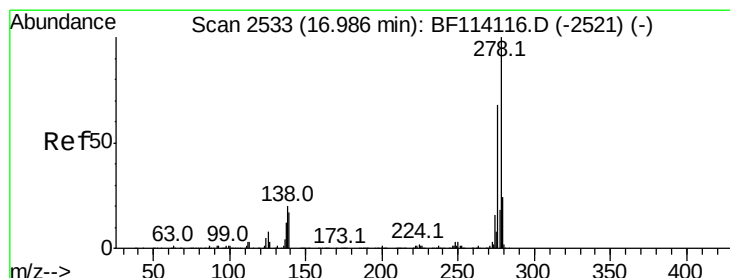
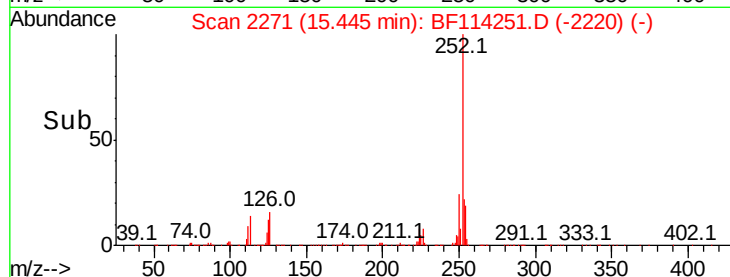
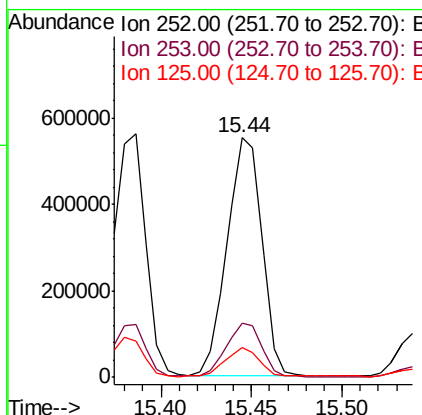
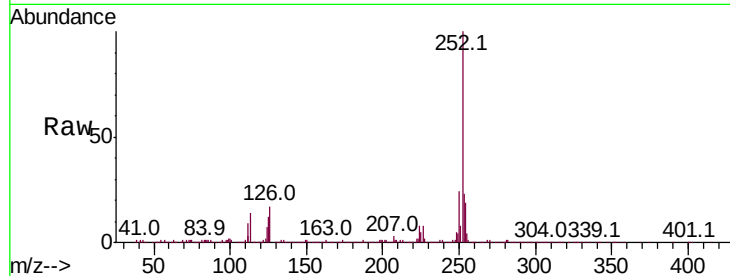
#90
Benzo(a)pyrene
Concen: 22.428 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	740291		
253	22.6	18.1	27.1	
125	12.5	9.5	14.3	

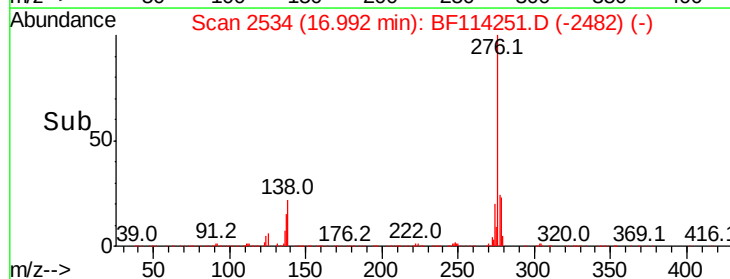
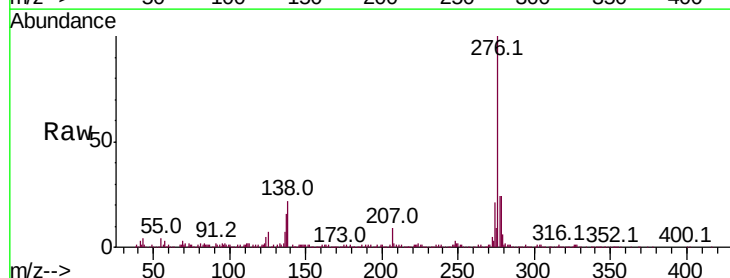
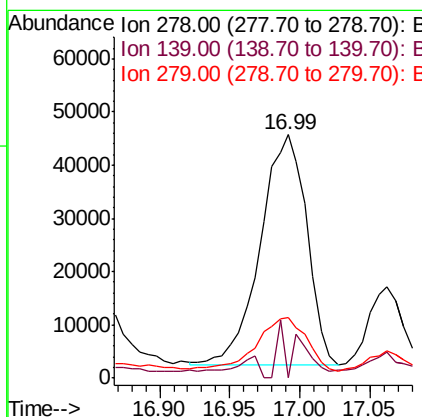
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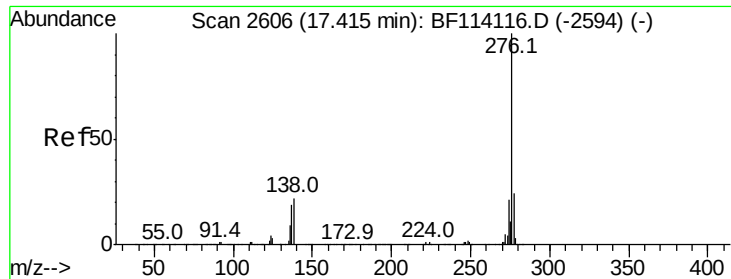
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#91
Dibenzo(a,h)anthracene
Concen: 3.651 ng m
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF114251.D
Acq: 14 May 2019 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	100129		
139	0.0	13.5	20.3#	
279	24.8	19.0	28.6	





#92
 Benzo(a,h,i)perylene
 Concen: 15.478 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. 0.02 min
 Lab File: BF114251.D
 Acq: 14 May 2019 1:52

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-02DL

Tot Ion:	276	Resp:	425437
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.0	28.4
138	23.6	17.8	26.6

Manual Integrations
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