

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020619\
 Data File : BF112424.D
 Acq On : 6 Feb 2019 17:10
 Operator : JU/SJ
 Sample : K1379-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-6A

Manual Integrations
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Quant Time: Feb 07 00:24:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	149287	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	591740	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	273453	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	426596	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	326612	20.00	ng	0.00
87) Perylene-d12	15.47	264	306320	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	176875	25.17	ng	-0.02
7) Phenol-d6	6.48	99	233112	23.87	ng	-0.01
23) Nitrobenzene-d5	7.39	82	137104	13.35	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	57573	18.09	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	248601	12.86	ng	-0.02
79) Terphenyl-d14	12.93	244	171676	9.90	ng	-0.02
Target Compounds						
49) Acenaphthylene	9.73	152	79421	2.923	ng	Qvalue 97
52) Acenaphthene	9.90	154	53575	3.301	ng	99
71) Phenanthrene	11.38	178	227225	10.245	ng	97
72) Anthracene	11.43	178	78966	3.574	ng	98
75) Fluoranthene	12.57	202	358203	15.059	ng	97
78) Pyrene	12.80	202	477461	21.115	ng	97
81) Benzo(a)anthracene	13.99	228	226386	11.791	ng	98
83) Chrysene	14.03	228	209354	11.423	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	90485	6.231	ng	# 93
88) Benzo(b)fluoranthene	15.04	252	274652m	14.992	ng	
89) Benzo(k)fluoranthene	15.07	252	89066m	5.076	ng	
90) Benzo(a)pyrene	15.41	252	183558	11.136	ng	# 96
91) Dibenzo(a,h)anthracene	16.95	278	26616	2.003	ng	# 88
92) Benzo(g,h,i)perylene	17.40	276	93525	7.462	ng	97

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

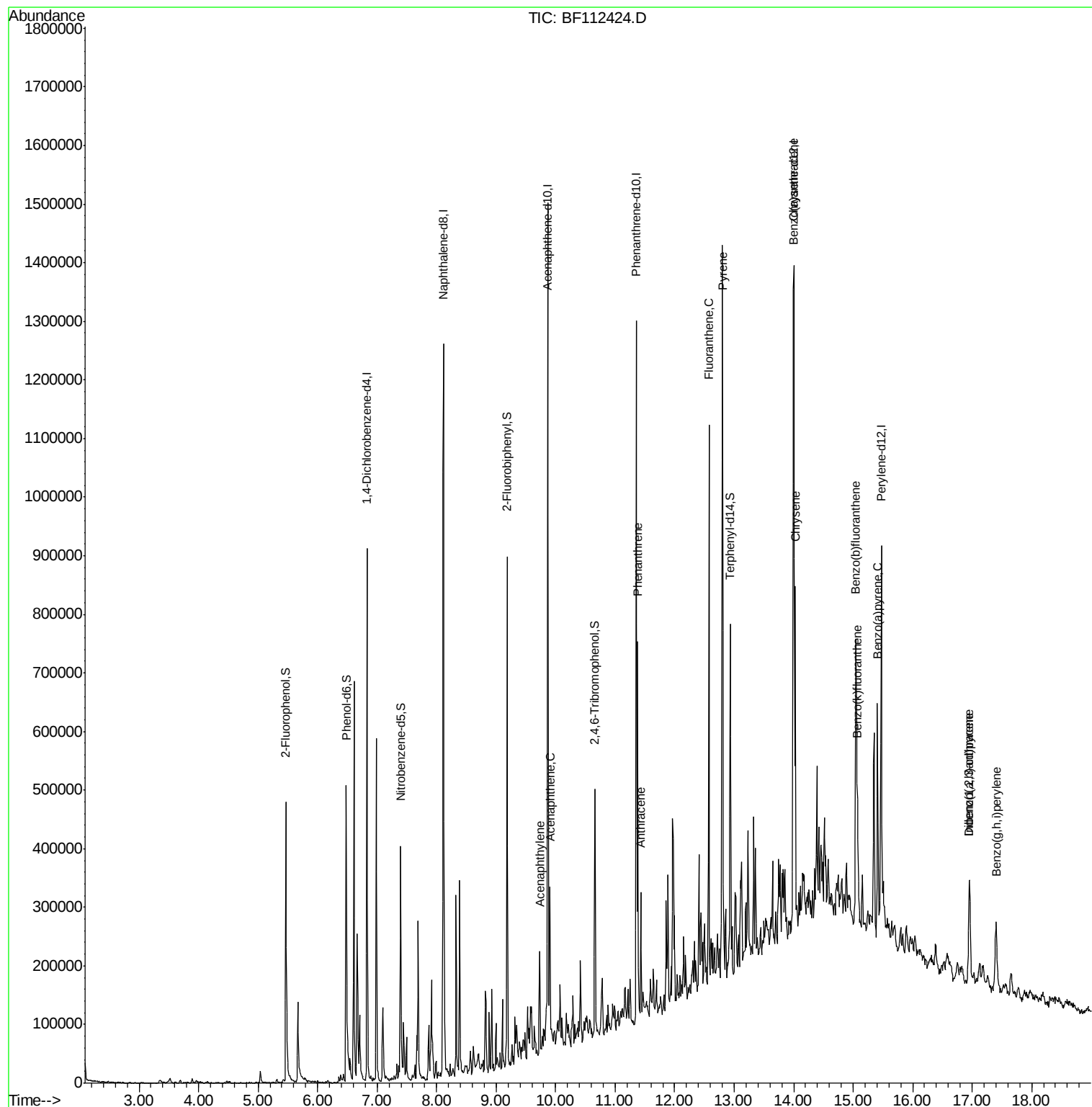
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020619\
Data File : BF112424.D
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ALS Vial : 10 Sample Multiplier: 1

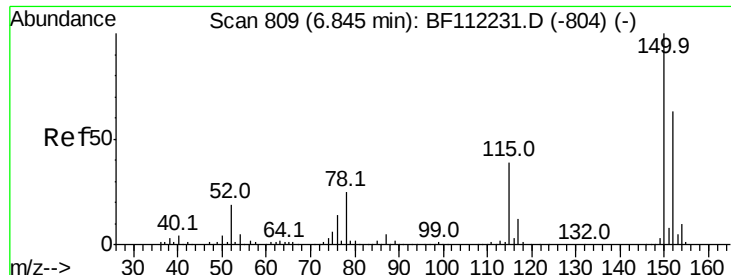
Instrument :
BNA_F
ClientSampled :
HR-6A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

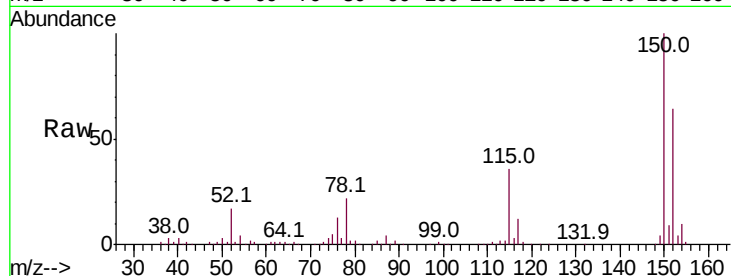
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112424.D
Acq: 6 Feb 2019 17:10

Instrument :
BNA_F
ClientSampleId :
HR-6A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	127.4	191.0
115	56.5	45.5	68.3

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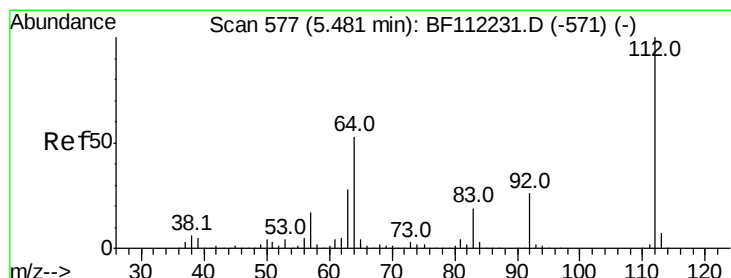
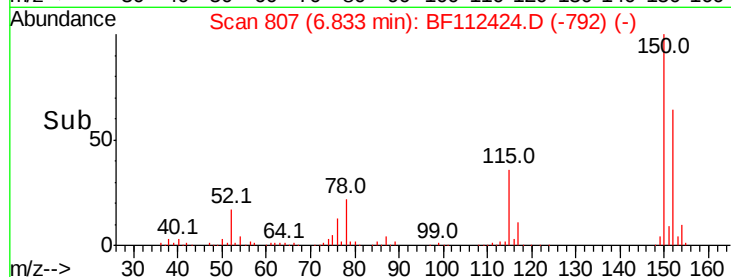
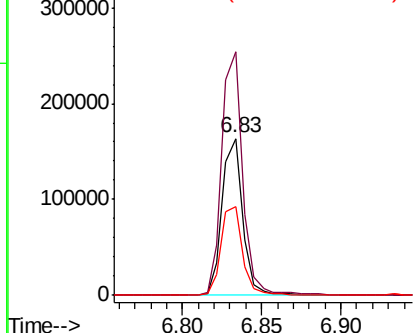


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

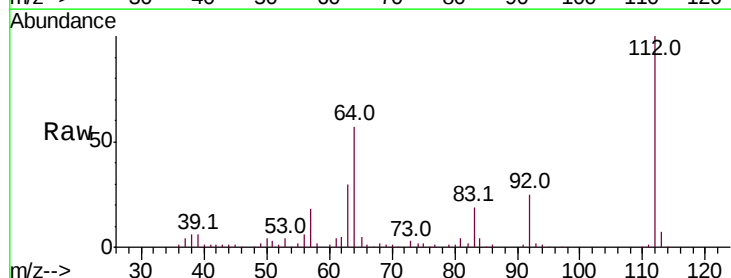
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 25.166 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112424.D
Acq: 6 Feb 2019 17:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	45.7	68.5
63	30.2	23.6	35.4

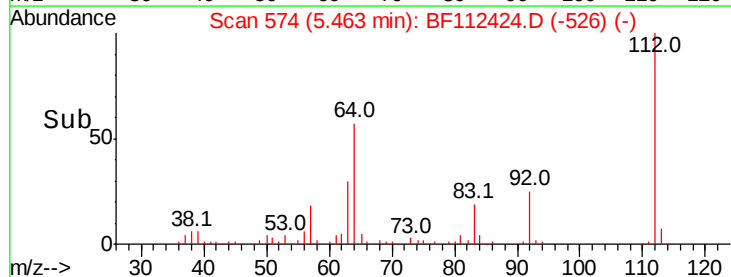
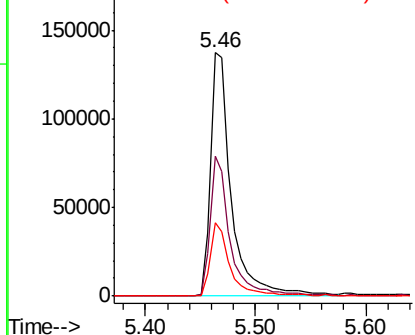


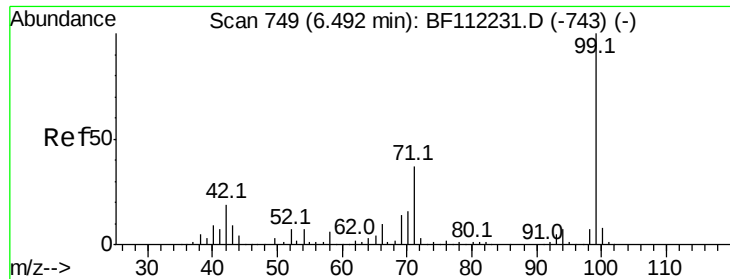
Abundance

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: 23.869 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112424.D

Acq: 6 Feb 2019 17:10

Instrument :

BNA_F

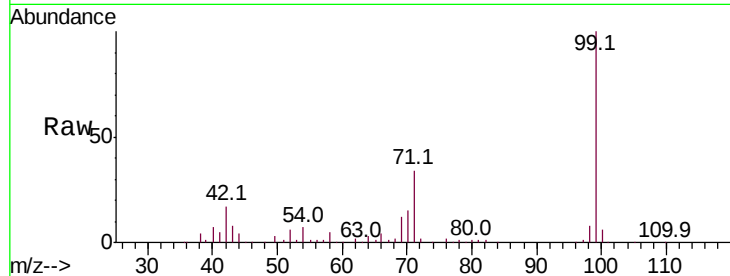
ClientSampled :

HR-6A

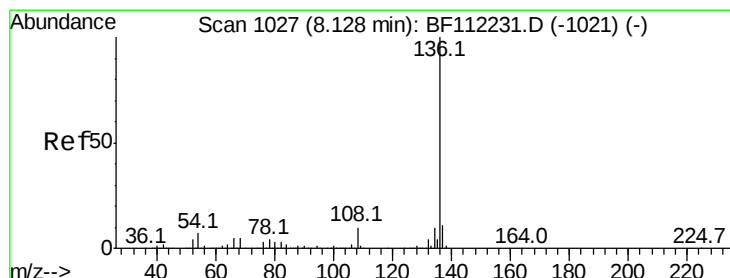
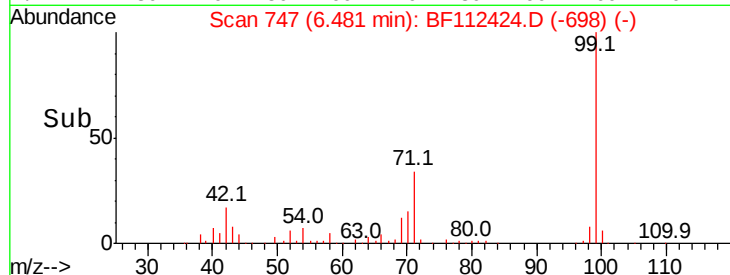
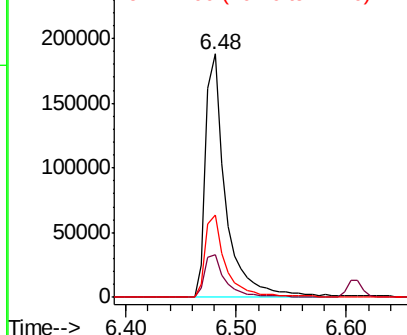
Tot Ion:	99	Resp:	233112
Ion Ratio	Lower	Upper	
99	100		
42	17.3	15.1	22.7
71	33.8	26.9	40.3

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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: 8.12 min Scan# 1025

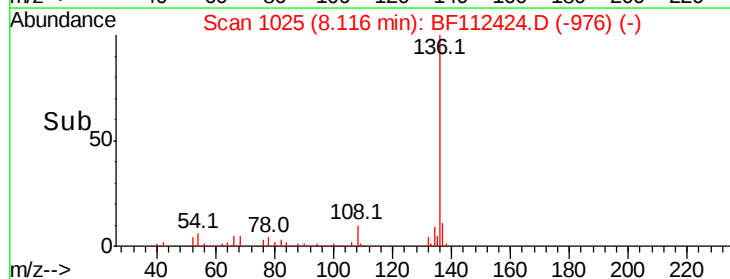
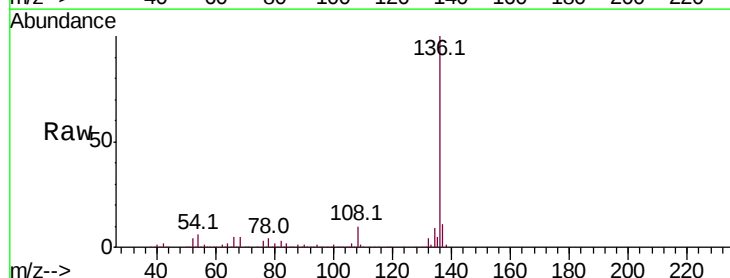
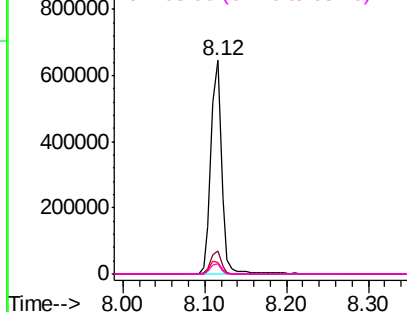
Delta R.T. -0.01 min

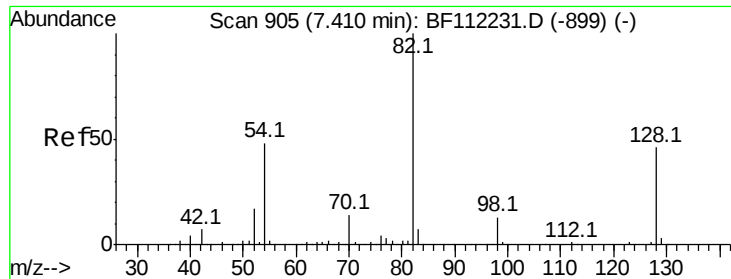
Lab File: BF112424.D

Acq: 6 Feb 2019 17:10

Tgt Ion:	136	Resp:	591740
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	5.7	5.9	8.9#
68	4.6	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





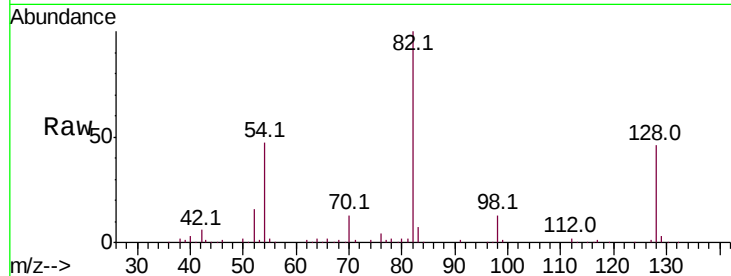
#23
Nitrobenzene-d5
Concen: 13.350 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112424.D
Acq: 6 Feb 2019 17:10

Instrument :
BNA_F
ClientSampled :
HR-6A

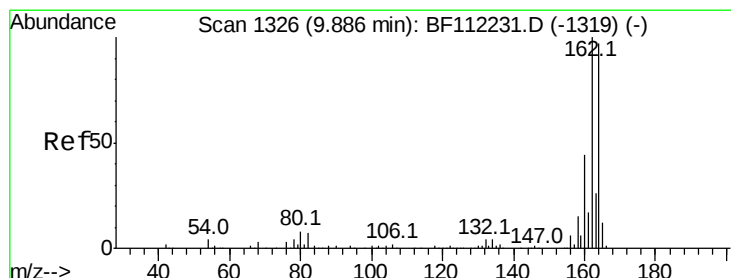
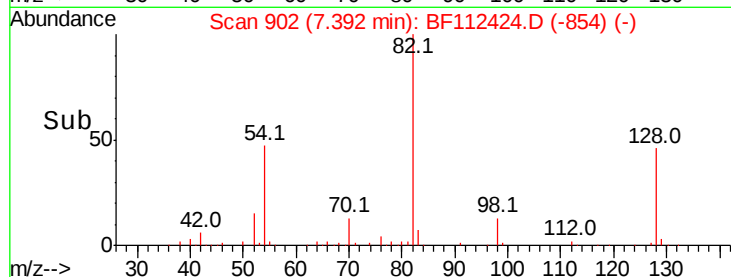
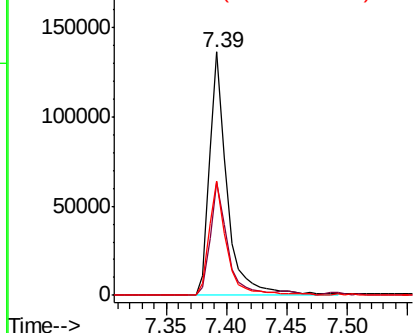
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.8	56.8
54	47.0	39.7	59.5

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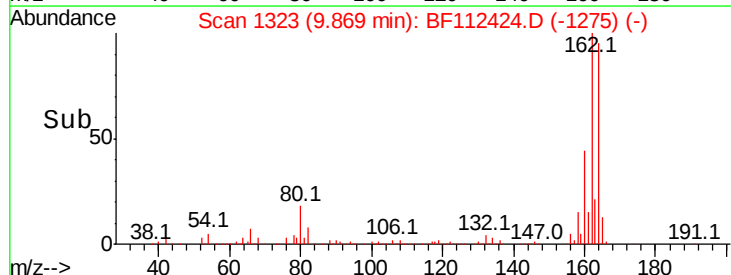
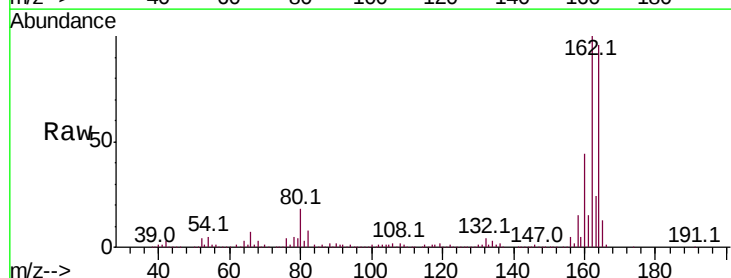
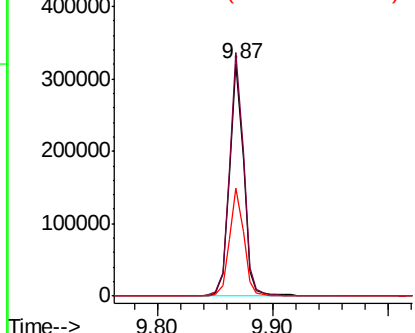
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

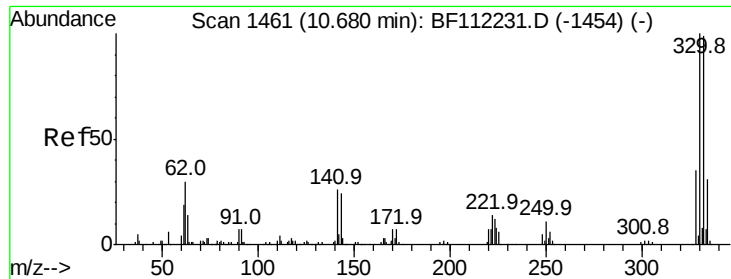


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112424.D
Acq: 6 Feb 2019 17:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.2	123.4
160	46.4	36.2	54.4

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





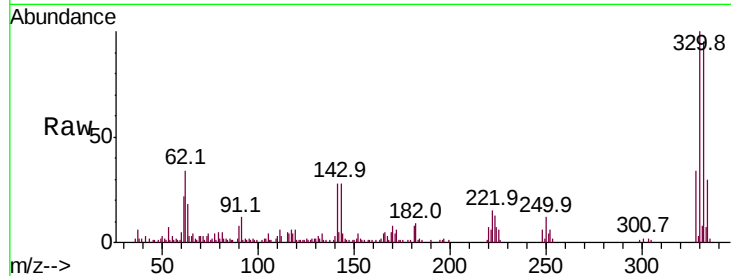
#42
 2,4,6-Tribromophenol
 Concen: 18.088 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112424.D
 Acq: 6 Feb 2019 17:10

Instrument :
 BNA_F
 ClientSampleId :
 HR-6A

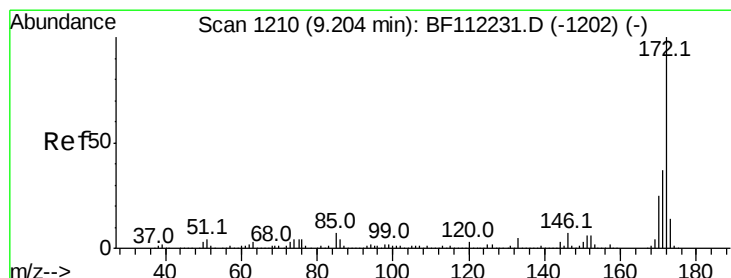
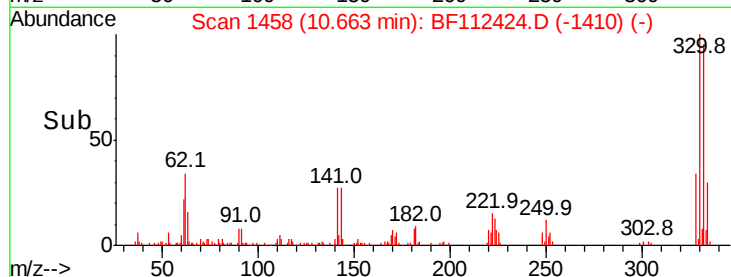
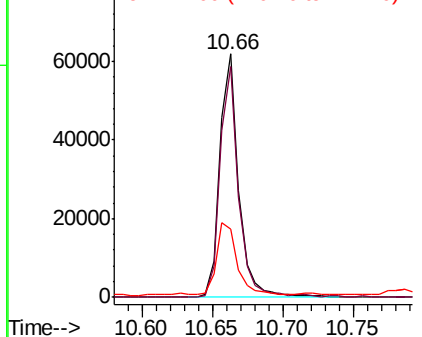
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.0	76.6	114.8
141	31.8	24.3	36.5

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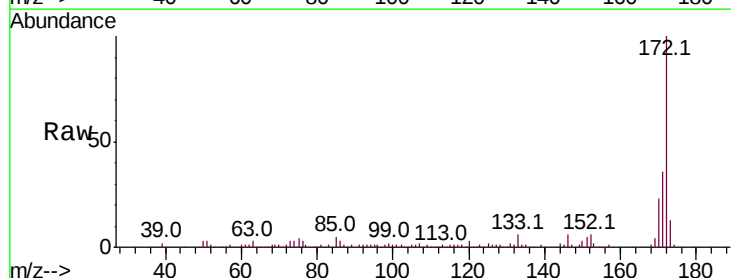


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

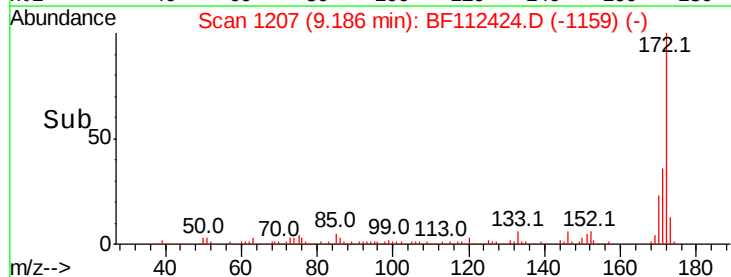
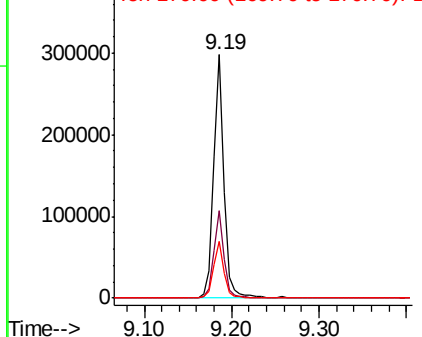


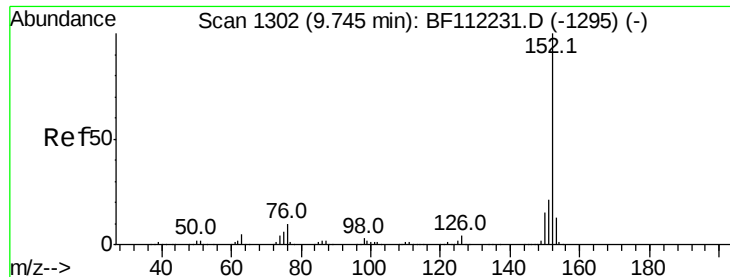
#45
 2-Fluorobiphenyl
 Concen: 12.858 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112424.D
 Acq: 6 Feb 2019 17:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.5	45.7
170	23.4	20.2	30.4



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: 2.923 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF112424.D

Acq: 6 Feb 2019 17:10

Instrument :

BNA_F

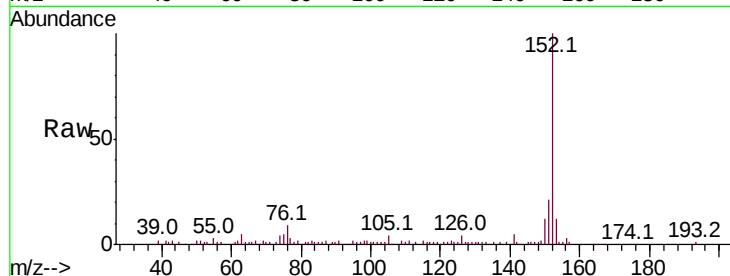
ClientSampled :

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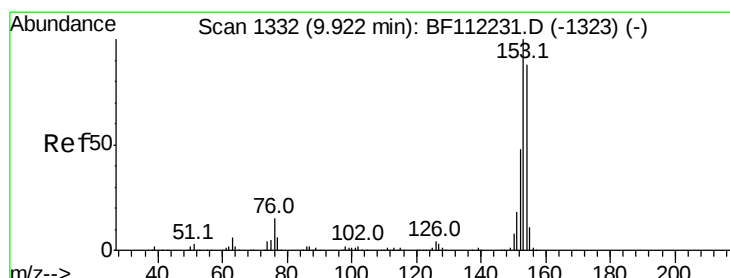
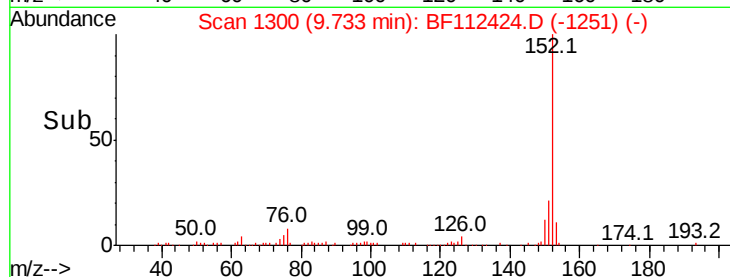
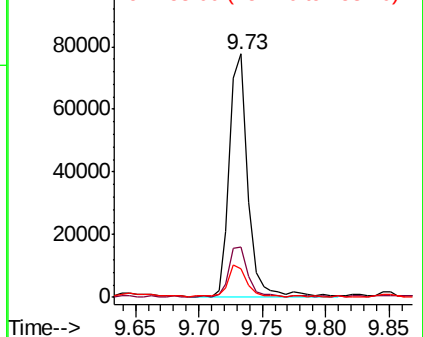
Tot Ion:	152	Resp:	79421
Ion Ratio	Lower	Upper	
152	100		
151	20.9	17.0	25.6
153	11.9	11.2	16.8

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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



#52

Acenaphthene

Concen: 3.301 ng

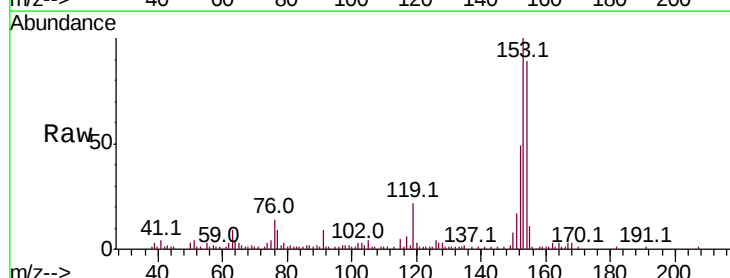
RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

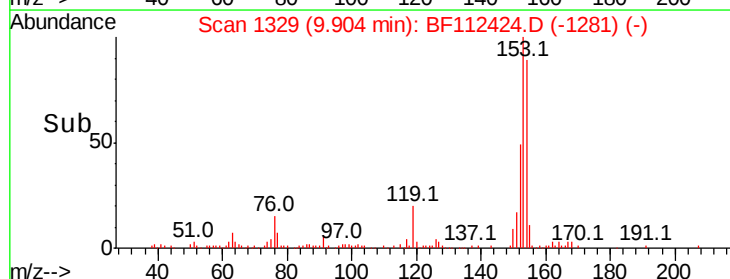
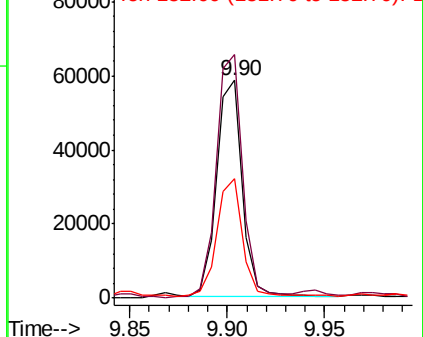
Lab File: BF112424.D

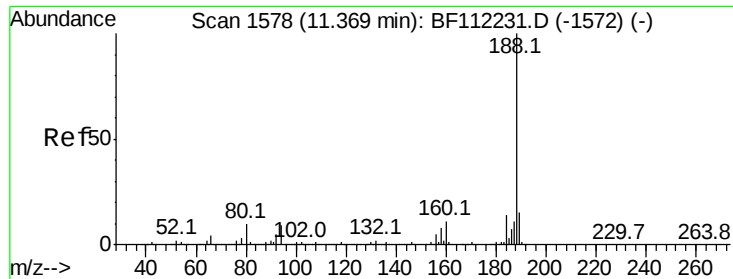
Acq: 6 Feb 2019 17:10

Tgt Ion:	154	Resp:	53575
Ion Ratio	Lower	Upper	
154	100		
153	111.9	89.8	134.6
152	55.1	43.5	65.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





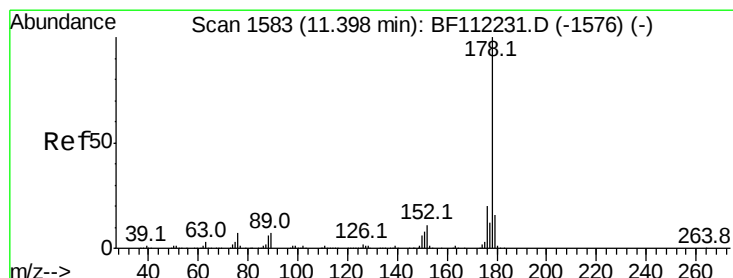
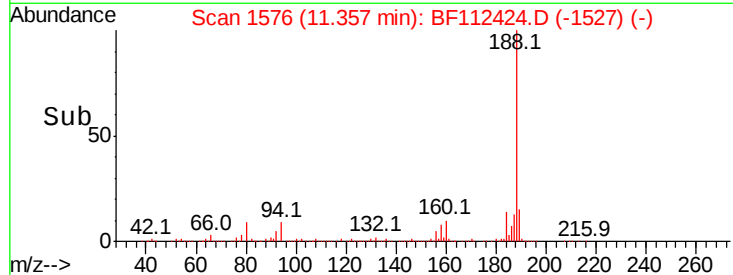
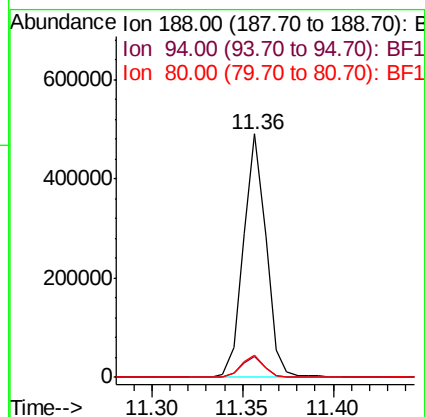
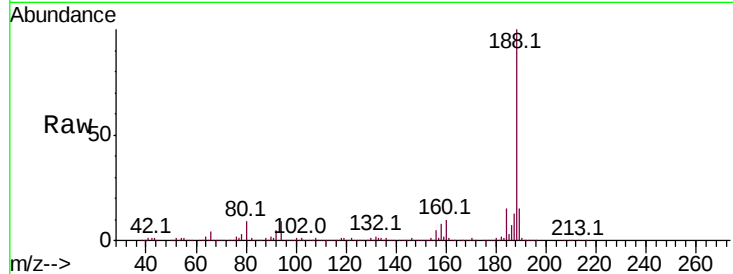
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112424.D
Acq: 6 Feb 2019 17:10

Instrument :
BNA_F
ClientSampleId :
HR-6A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.7	8.2	12.2
80	9.0	8.9	13.3

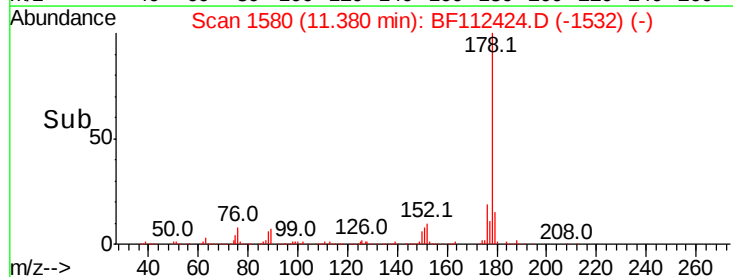
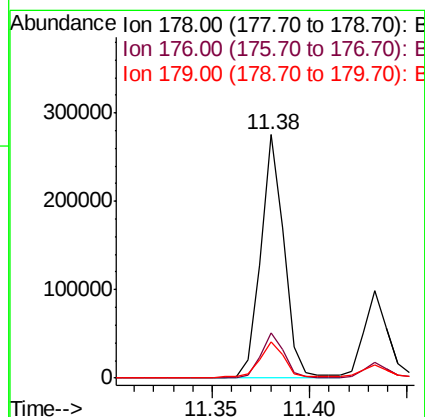
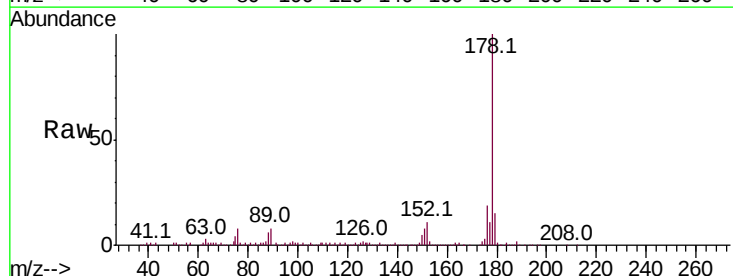
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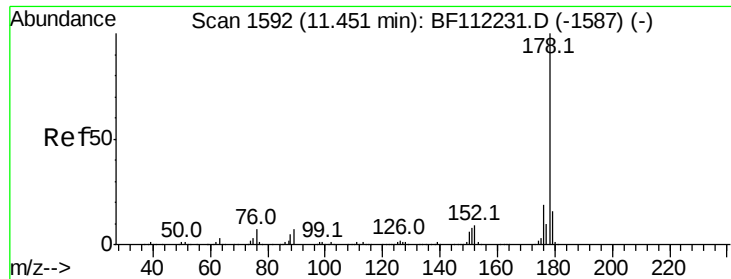
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#71
Phenanthrene
Concen: 10.245 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112424.D
Acq: 6 Feb 2019 17:10

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	16.3	24.5
179	15.1	13.0	19.4





#72

Anthracene

Concen: 3.574 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.02 min

Lab File: BF112424.D

Acq: 6 Feb 2019 17:10

Instrument :

BNA_F

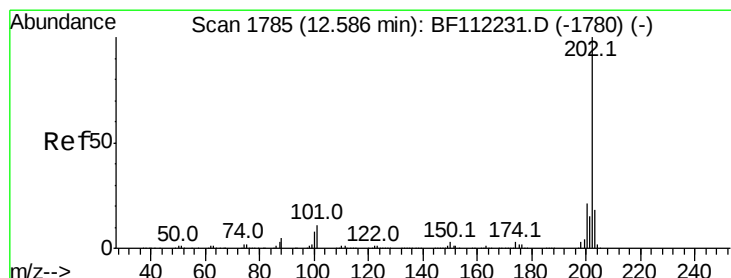
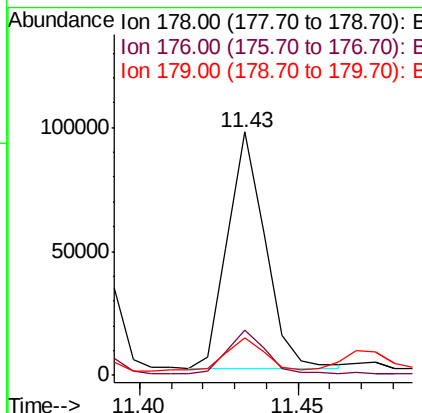
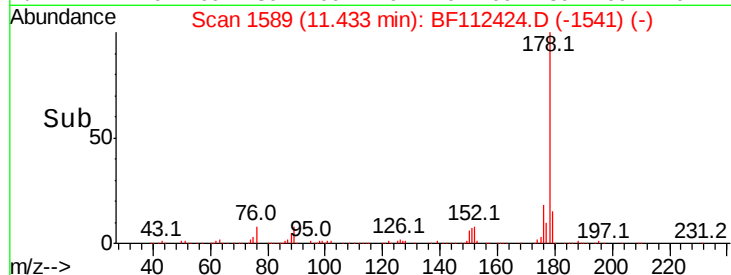
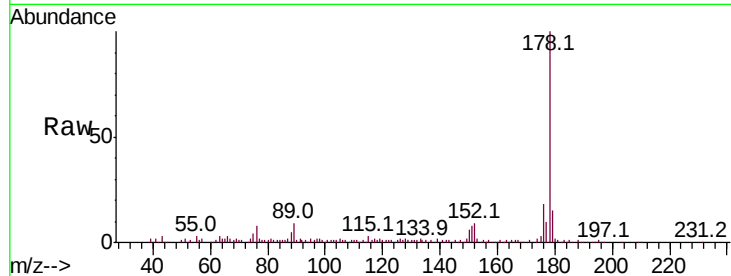
ClientSampled :

HR-6A

Tot Ion:	178	Resp:	78966
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.5	23.3
179	15.4	12.8	19.2

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#75

Fluoranthene

Concen: 15.059 ng

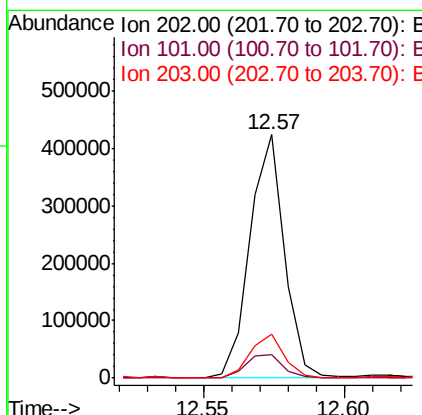
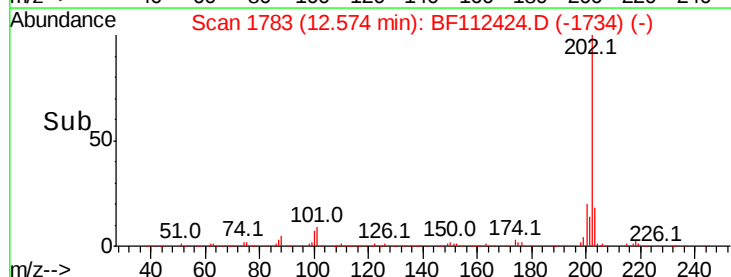
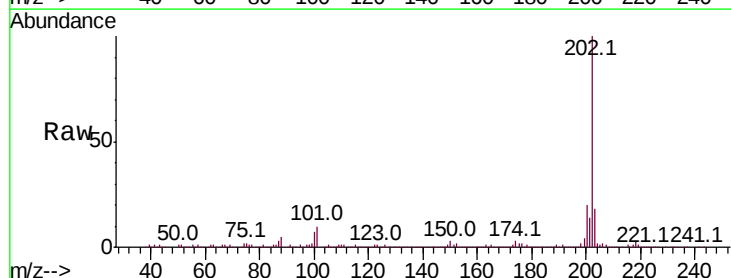
RT: 12.57 min Scan# 1783

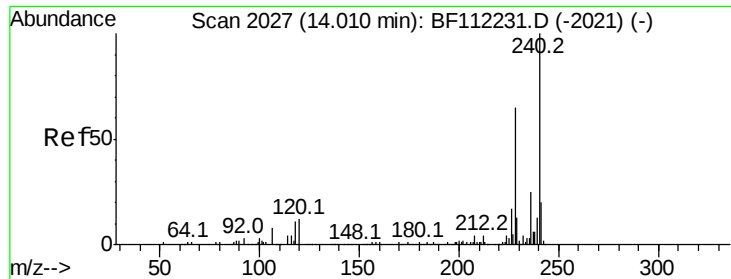
Delta R.T. -0.01 min

Lab File: BF112424.D

Acq: 6 Feb 2019 17:10

Tgt Ion:	202	Resp:	358203
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	31.8
203	18.0	0.0	38.4





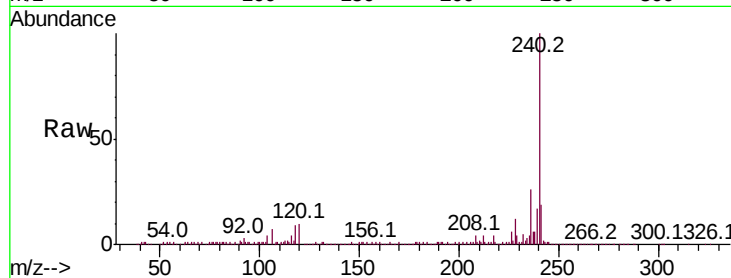
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112424.D
Acq: 6 Feb 2019 17:10

Instrument :
BNA_F
ClientSampleId :
HR-6A

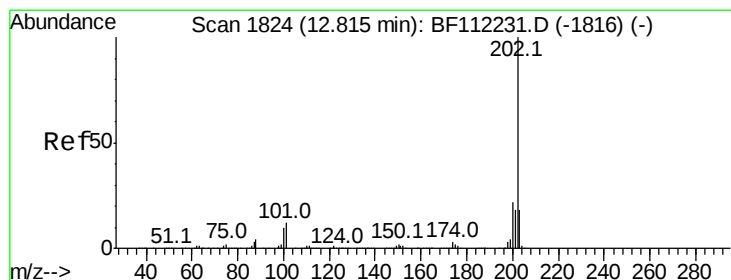
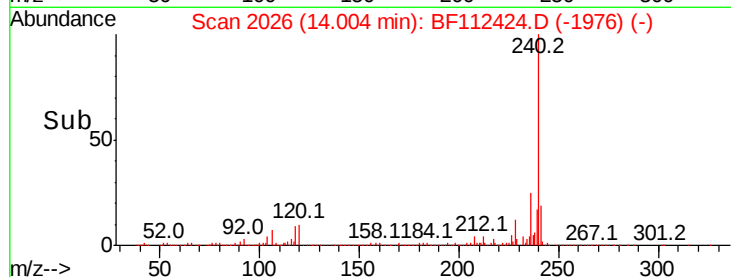
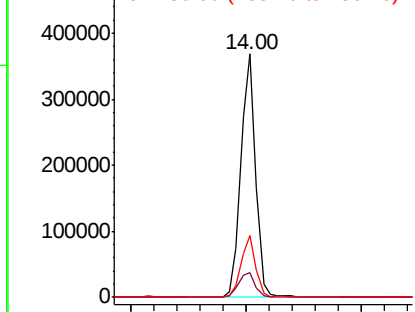
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.0	13.6
236	25.6	20.7	31.1

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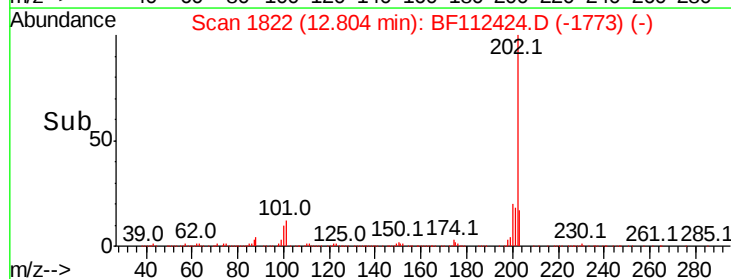
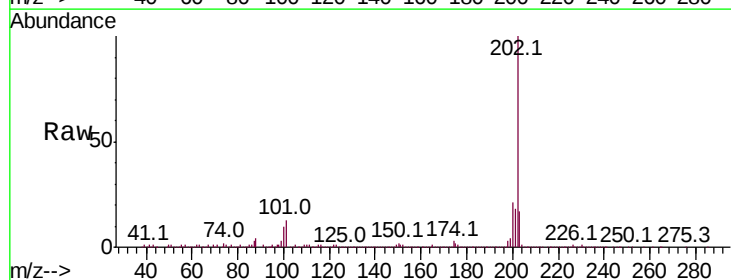
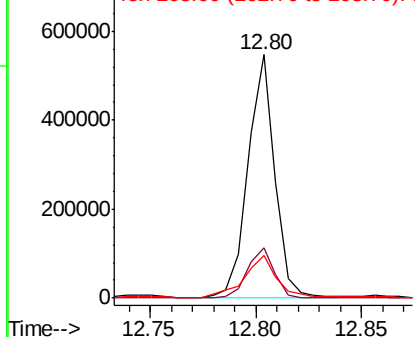
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

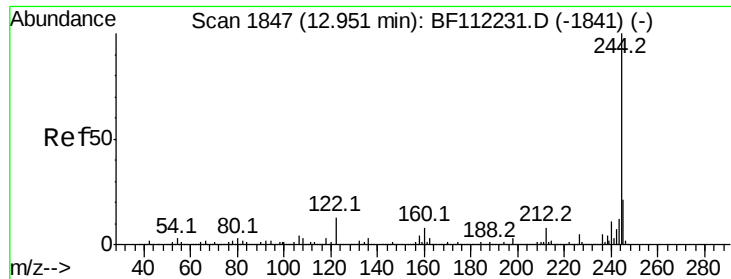


#78
Pyrene
Concen: 21.115 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112424.D
Acq: 6 Feb 2019 17:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.7	26.5
203	17.4	14.6	22.0

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





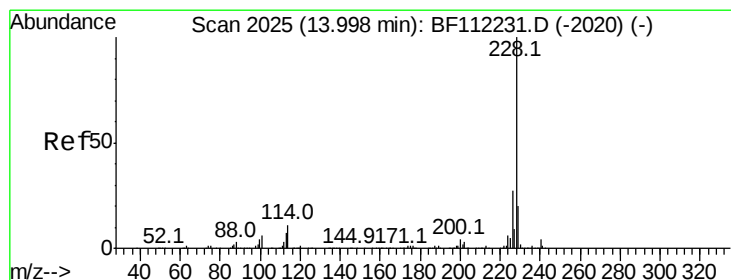
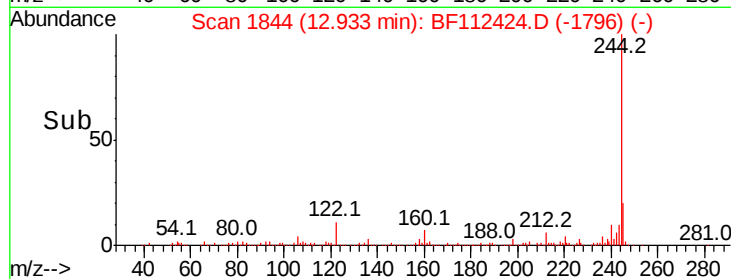
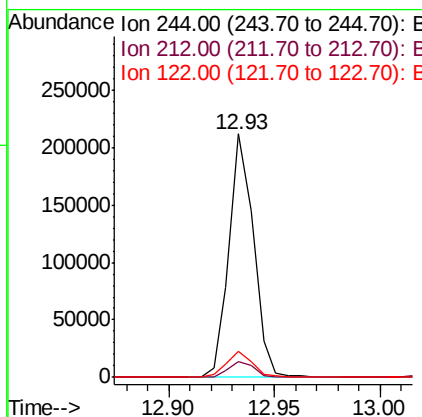
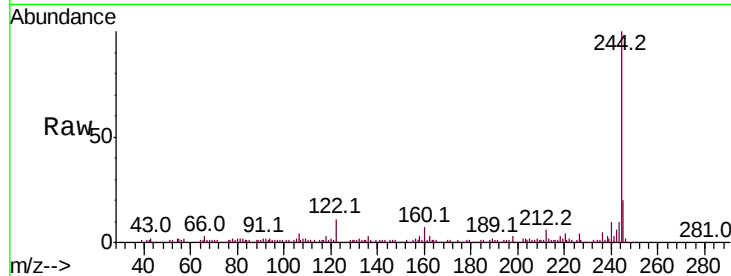
#79
 Terphenyl-d14
 Concen: 9.900 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF112424.D
 Acq: 6 Feb 2019 17:10

Instrument :
 BNA_F
 ClientSampled :
 HR-6A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.9	8.9
122	10.8	9.8	14.6

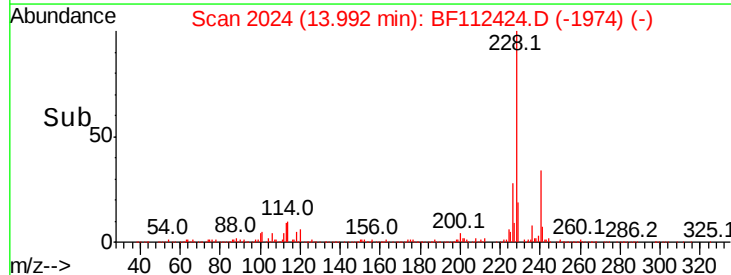
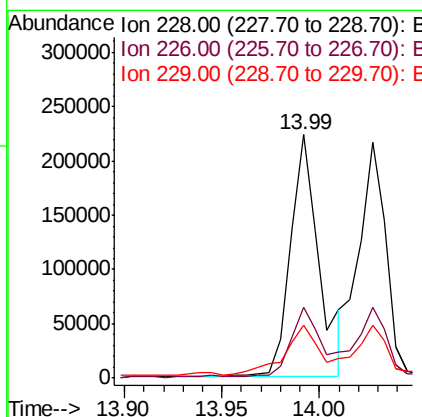
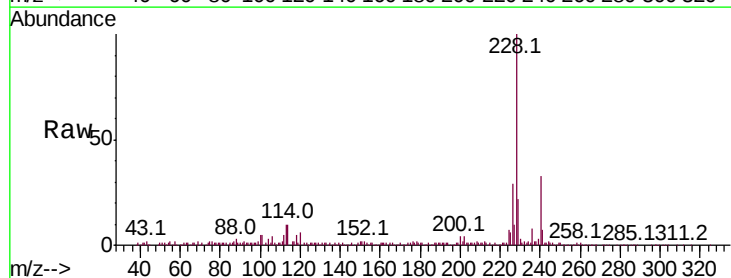
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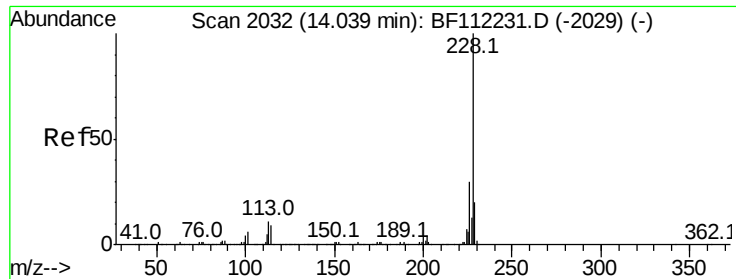
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#81
 Benzo(a)anthracene
 Concen: 11.791 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF112424.D
 Acq: 6 Feb 2019 17:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	34.0
229	21.8	16.5	24.7





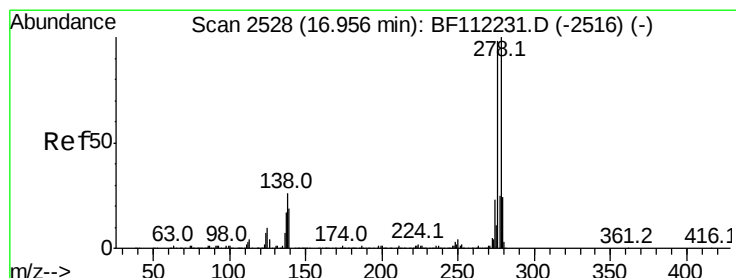
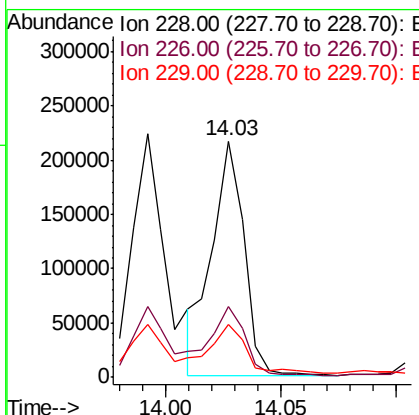
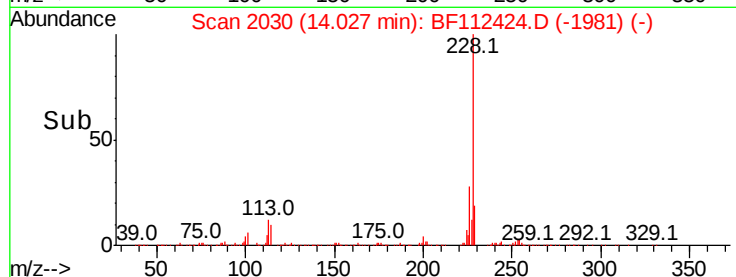
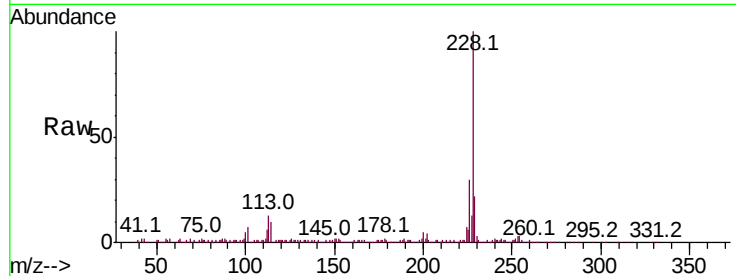
#83
Chrysene
Concen: 11.423 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112424.D
Acq: 6 Feb 2019 17:10

Instrument :
BNA_F
ClientSampled :
HR-6A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	22.2	16.6	24.8

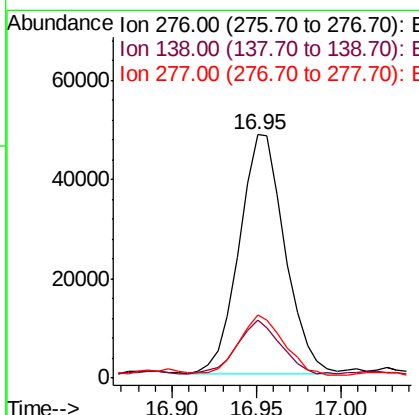
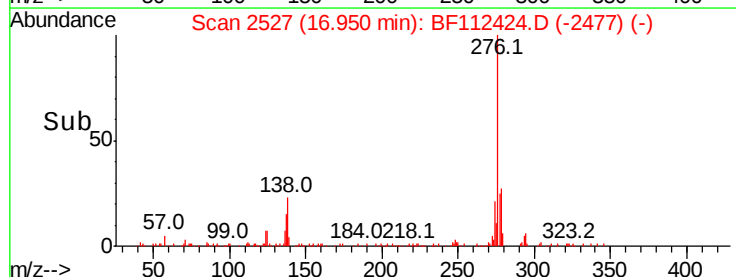
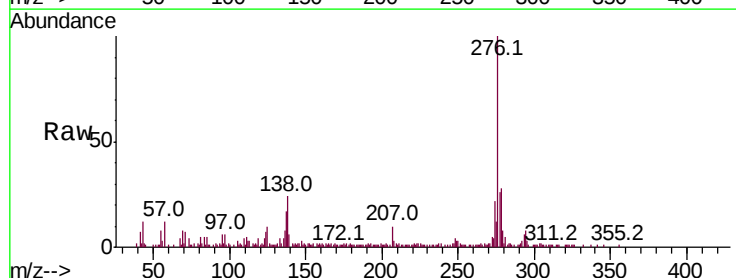
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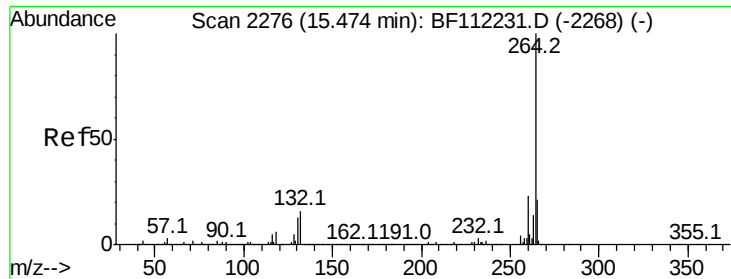
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.231 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF112424.D
Acq: 6 Feb 2019 17:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	22.6	34.0#
277	24.2	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BF112424.D

Acq: 6 Feb 2019 17:10

Instrument :

BNA_F

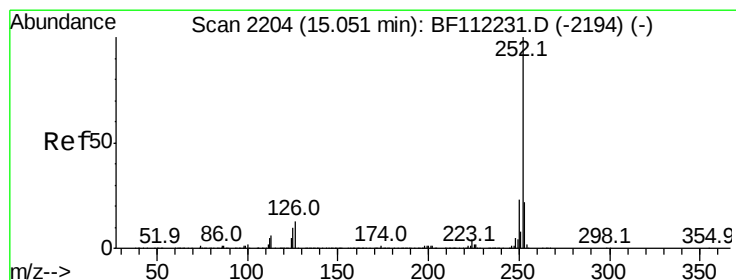
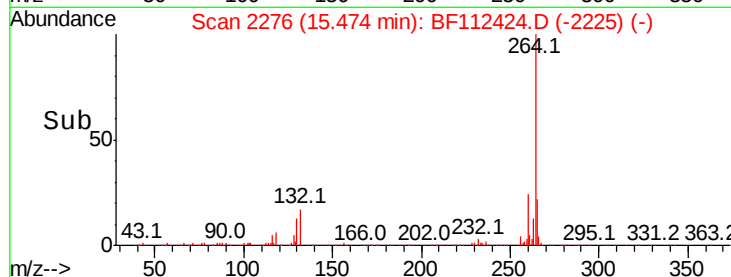
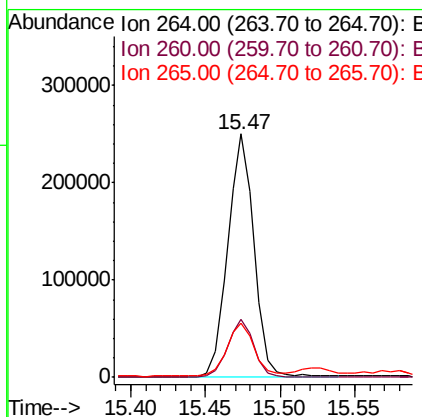
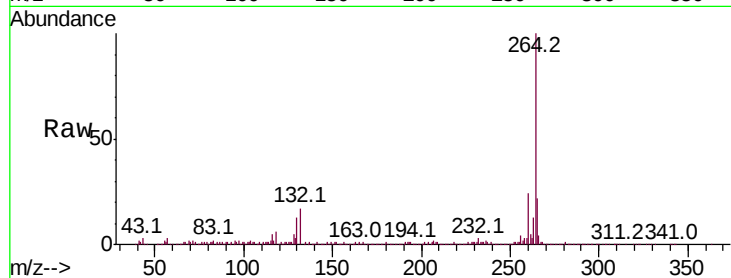
ClientSampleId :

HR-6A

Tot Ion:	264	Resp:	306320
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.2	27.2
265	22.0	17.0	25.4

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#88

Benzo(b)fluoranthene

Concen: 14.992 ng m

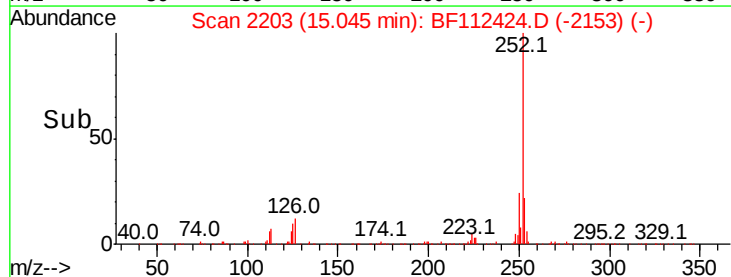
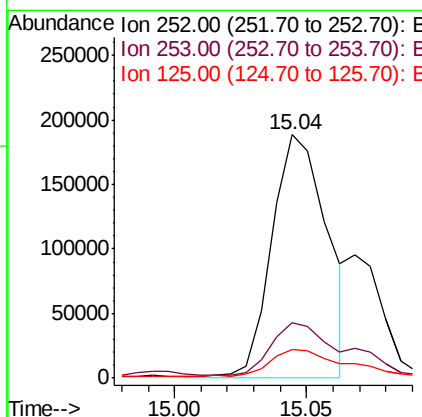
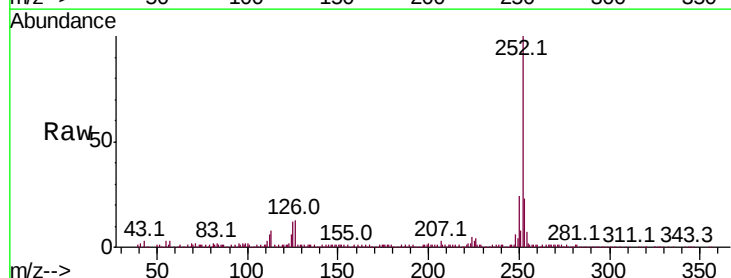
RT: 15.04 min Scan# 2203

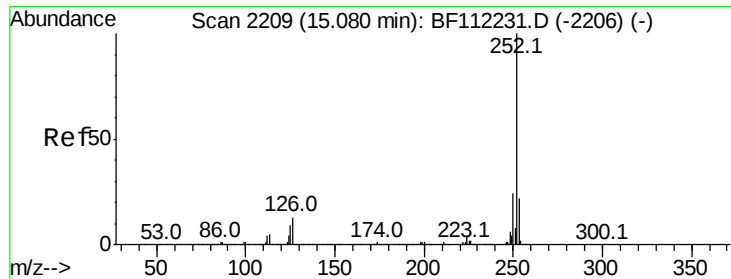
Delta R.T. -0.01 min

Lab File: BF112424.D

Acq: 6 Feb 2019 17:10

Tgt Ion:	252	Resp:	274652
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.0	27.0
125	11.6	8.7	13.1





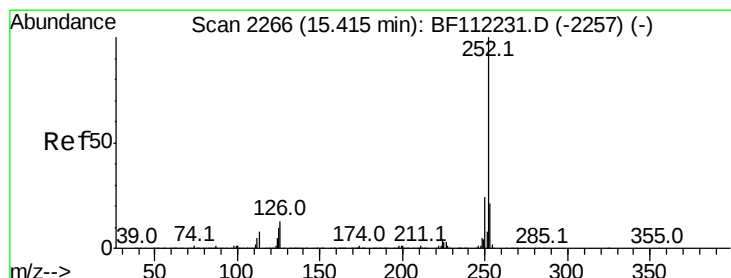
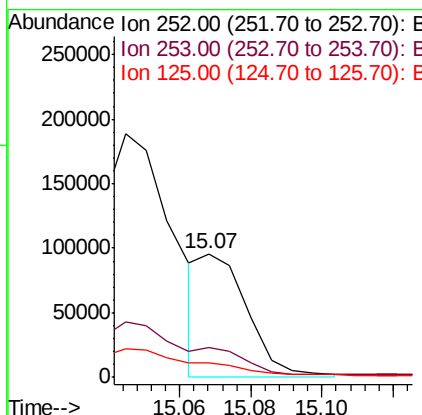
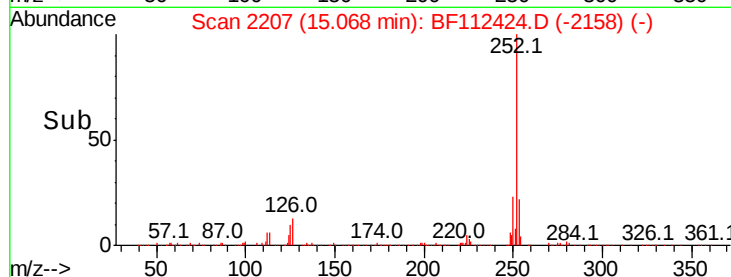
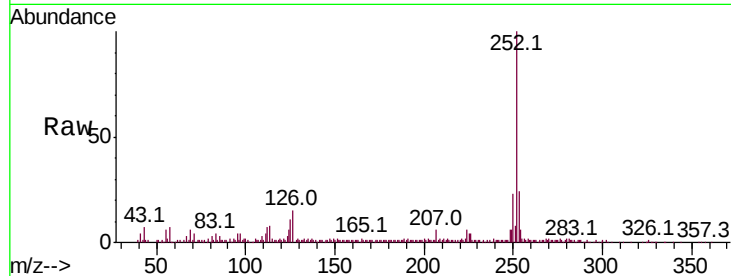
#89
Benzo(k)fluoranthene
Concen: 5.076 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112424.D
Acq: 6 Feb 2019 17:10

Instrument :
BNA_F
ClientSampled :
HR-6A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	11.4	9.1	13.7

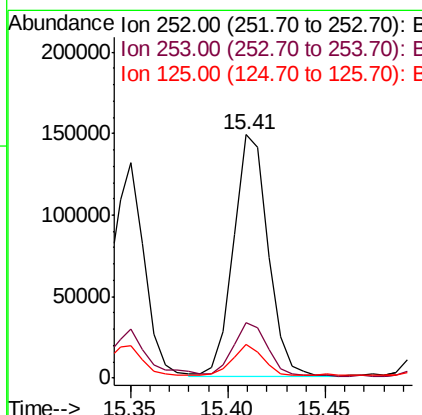
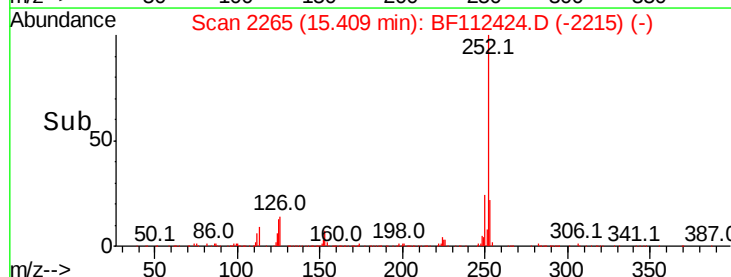
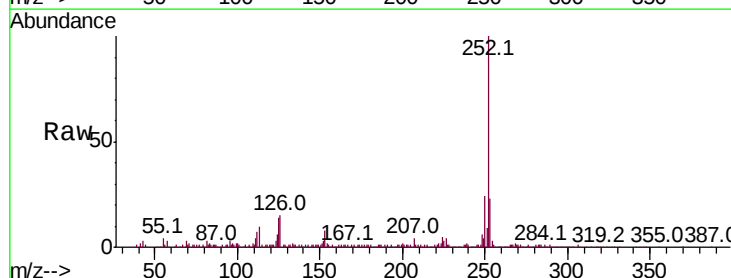
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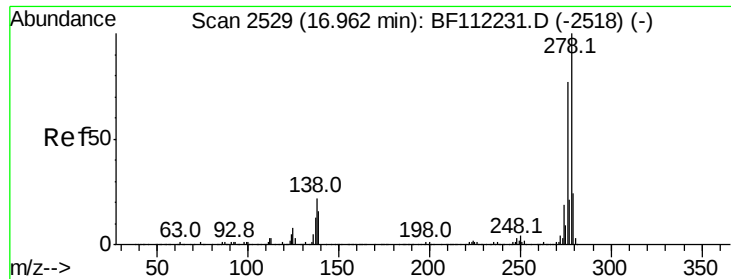
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#90
Benzo(a)pyrene
Concen: 11.136 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112424.D
Acq: 6 Feb 2019 17:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	13.8	9.0	13.4





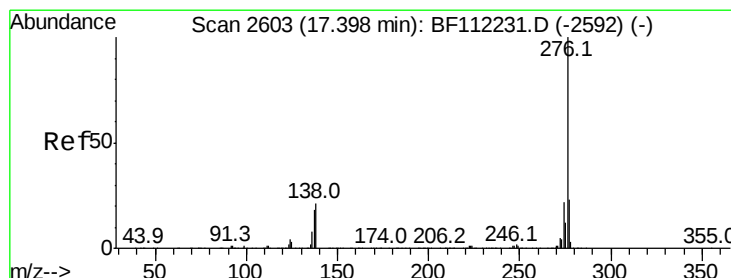
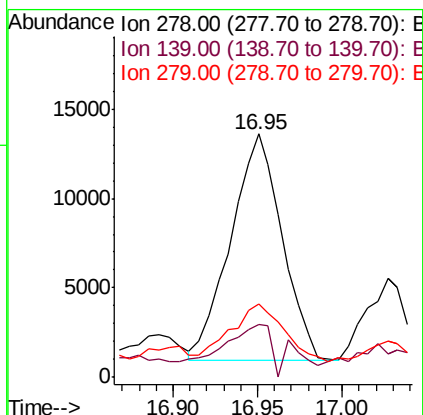
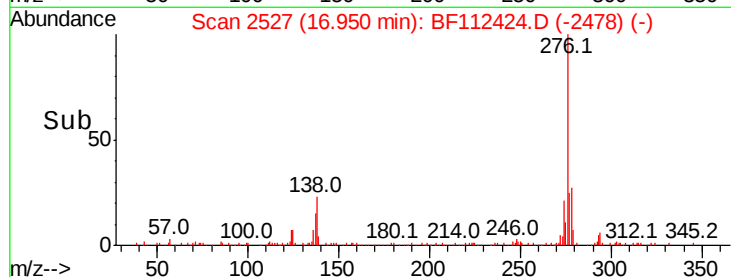
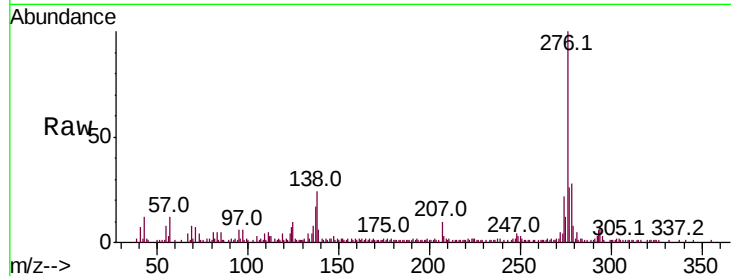
#91
Dibenzo(a,h)anthracene
Concen: 2.003 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF112424.D
Acq: 6 Feb 2019 17:10

Instrument :
BNA_F
ClientSampleId :
HR-6A

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.0	13.7	20.5#
279	30.2	19.0	28.6#

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#92
Benzo(g,h,i)perylene
Concen: 7.462 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.01 min
Lab File: BF112424.D
Acq: 6 Feb 2019 17:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.4	29.0
138	21.3	19.1	28.7

