

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
 Data File : BF114165.D
 Acq On : 11 May 2019 20:55
 Operator : JU/SJ
 Sample : K2765-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS004-1824-01

Quant Time: May 12 05:54:38 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	251287	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	952926	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	450658	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	916371	20.00	ng	0.00
76) Chrysene-d12	14.00	240	712753	20.00	ng	-0.02
87) Perylene-d12	15.47	264	741200	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1775956	113.73	ng	0.00
7) Phenol-d6	6.49	99	2386121	129.20	ng	0.00
23) Nitrobenzene-d5	7.41	82	1449906	85.39	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	573691	123.13	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2206913	74.08	ng	0.00
79) Terphenyl-d14	12.95	244	2358901	68.22	ng	0.00

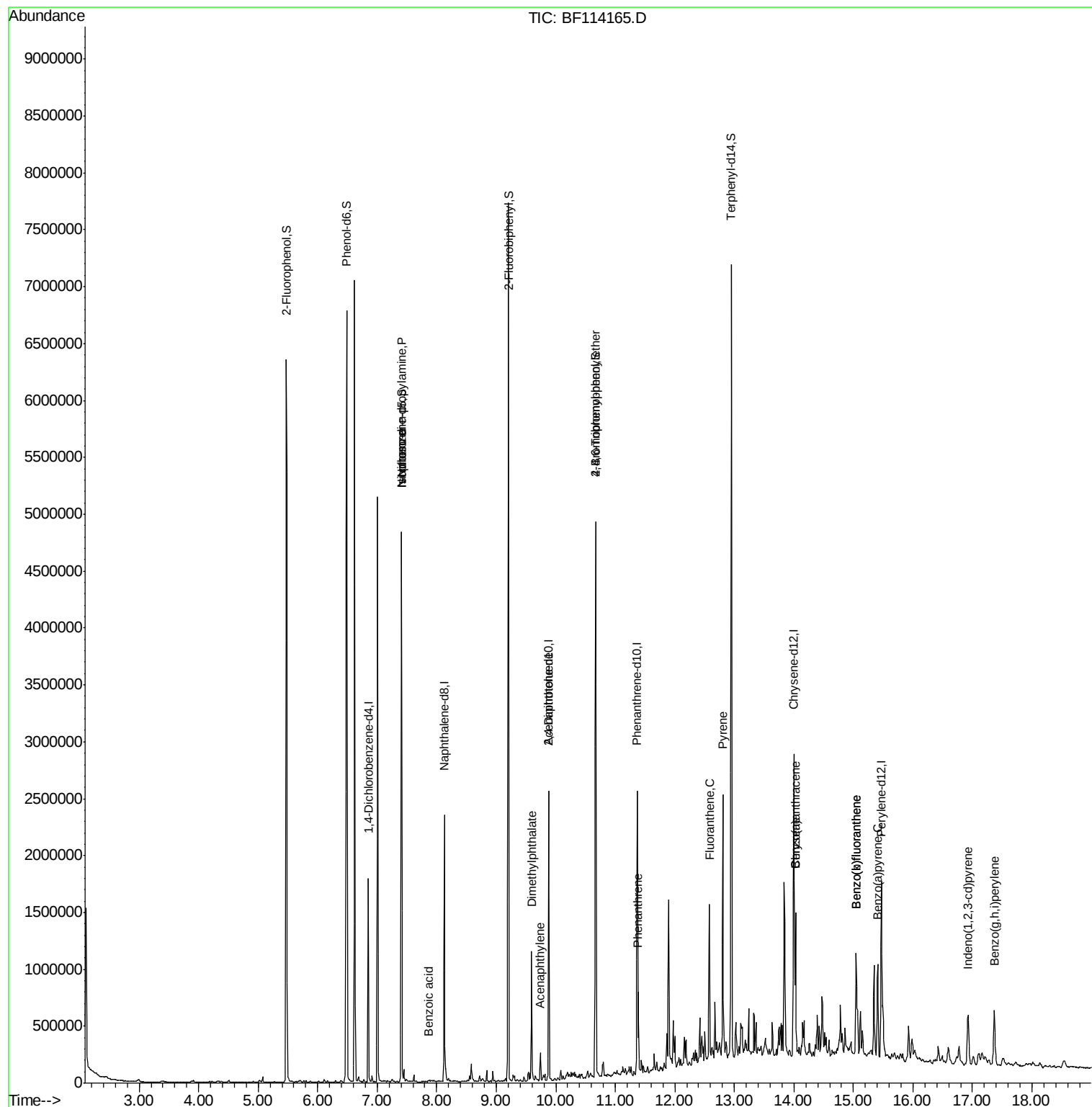
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	190930	16.310	ng	# 77
25) Isophorone	7.41	82	1443047	45.824	ng	# 64
32) Benzoic acid	7.86	122	717	7.086	ng	# 18
49) Acenaphthylene	9.74	152	95315	2.139	ng	98
50) Dimethylphthalate	9.59	163	381139	11.521	ng	99
57) 2,4-Dinitrotoluene	9.88	165	61839	6.209	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	36957	3.663	ng	# 1
71) Phenanthrene	11.39	178	249931	5.606	ng	98
75) Fluoranthene	12.58	202	519094	10.812	ng	99
78) Pyrene	12.80	202	934267	16.294	ng	98
81) Benzo(a)anthracene	14.03	228	445466	9.663	ng	98
83) Chrysene	14.03	228	445468	9.857	ng	96
86) Indeno(1,2,3-cd)pyrene	16.93	276	299616	7.502	ng	97
88) Benzo(b)fluoranthene	15.04	252	628102	13.227	ng	# 98
89) Benzo(k)fluoranthene	15.04	252	628102	14.399	ng	98
90) Benzo(a)pyrene	15.41	252	299159	7.158	ng	99
92) Benzo(g,h,i)perylene	17.37	276	360287	10.353	ng	97

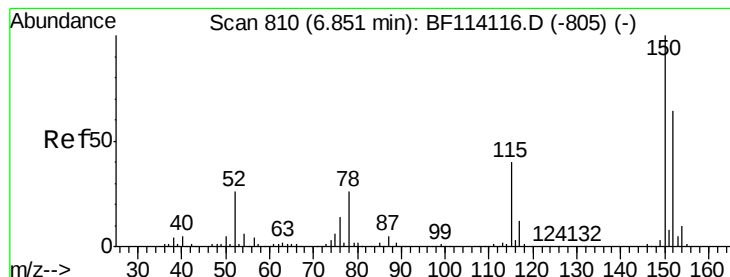
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF114165.D

Acq: 11 May 2019 20:55

Instrument :

BNA_F

ClientSampleId :

P026-SS004-1824-01

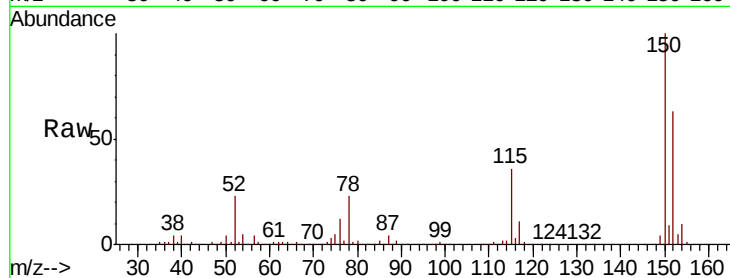
Tgt Ion:152 Resp: 251287

Ion Ratio Lower Upper

152 100

150 158.0 124.3 186.5

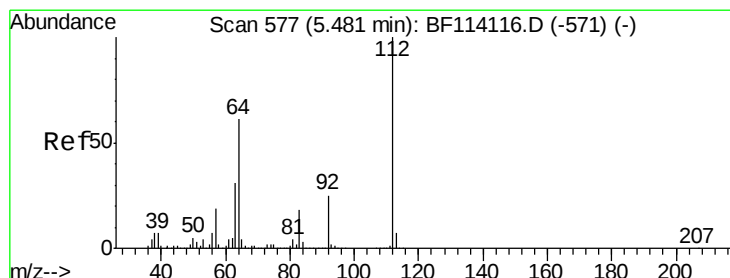
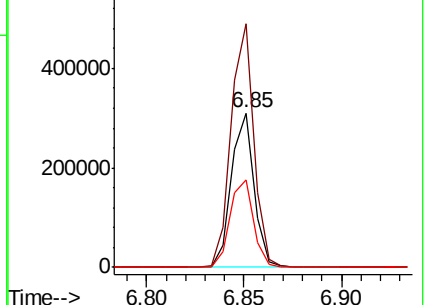
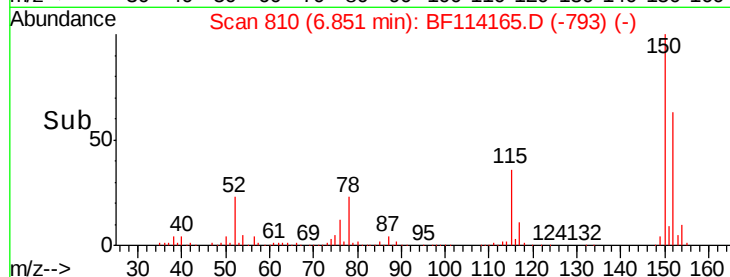
115 57.0 49.1 73.7



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: 113.734 ng

RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

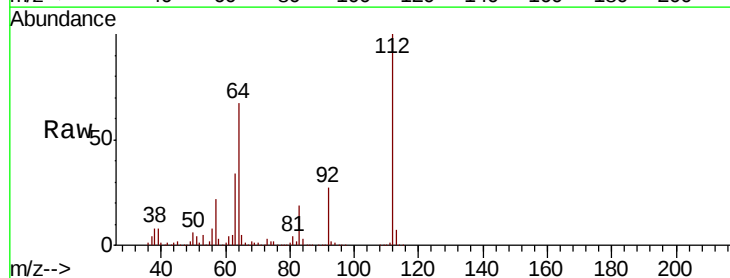
Tgt Ion:112 Resp: 1775956

Ion Ratio Lower Upper

112 100

64 67.4 49.0 73.6

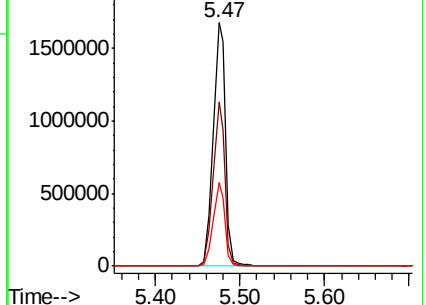
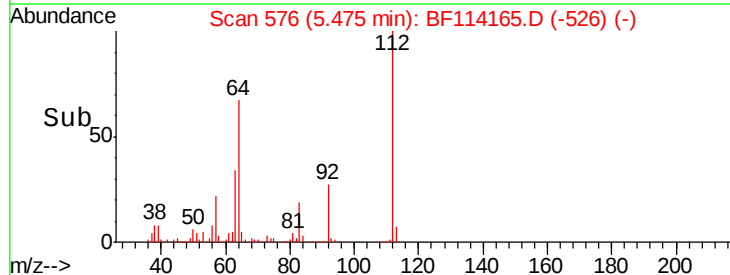
63 34.4 24.6 37.0



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: 129.200 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

Instrument :

BNA_F

ClientSampleId :

P026-SS004-1824-01

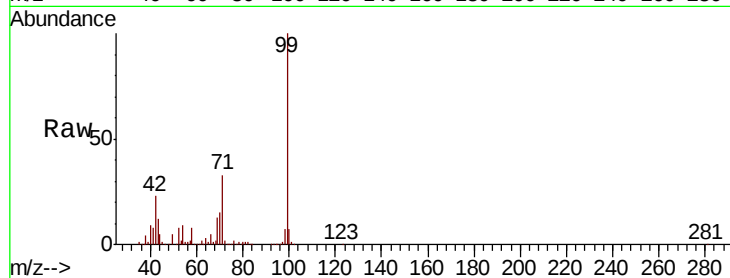
Tgt Ion: 99 Resp: 2386121

Ion Ratio Lower Upper

99 100

42 22.9 17.9 26.9

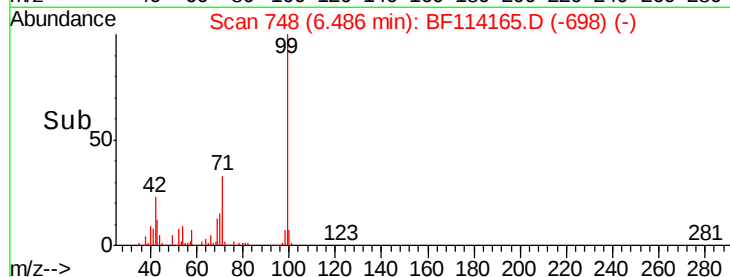
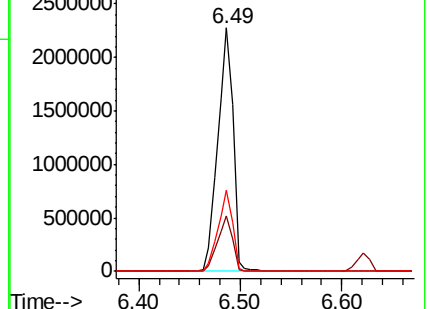
71 33.3 26.2 39.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.310 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

Tgt Ion: 70 Resp: 190930

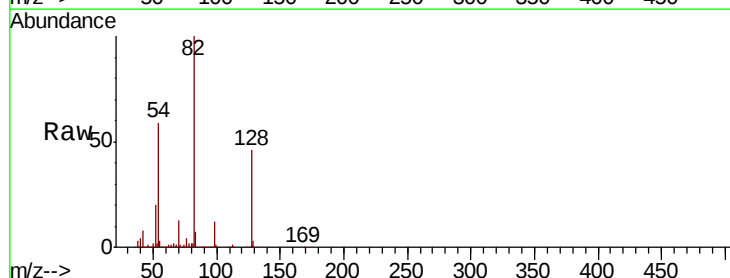
Ion Ratio Lower Upper

70 100

42 58.5 58.6 87.8#

101 0.0 7.8 11.8#

130 2.4 17.1 25.7#

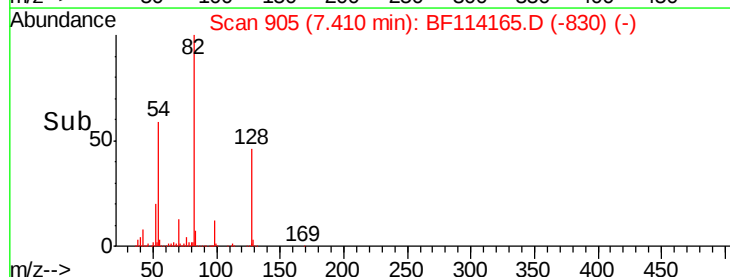
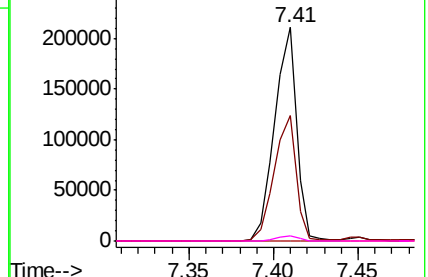


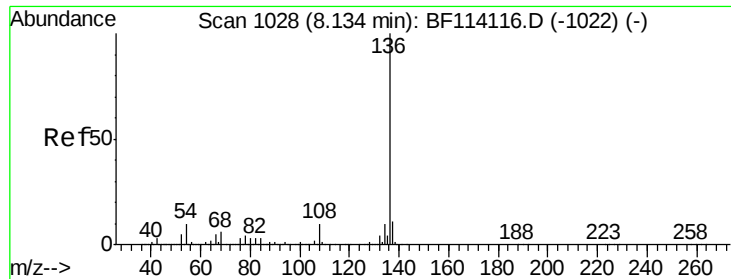
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

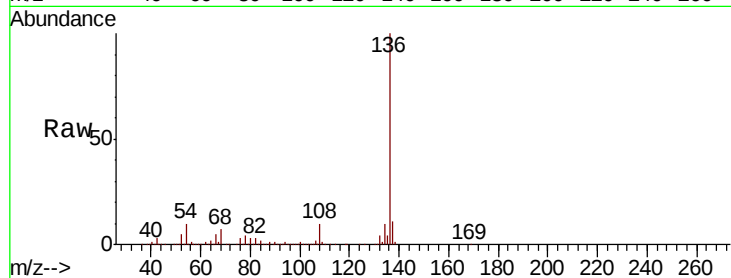




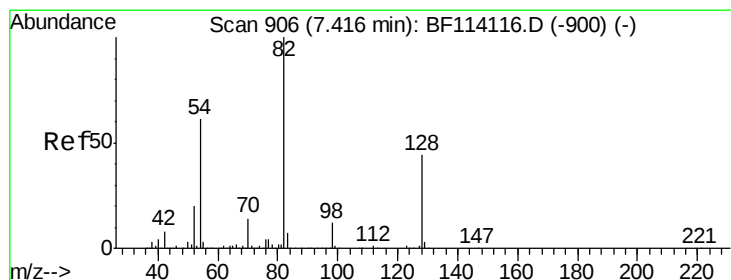
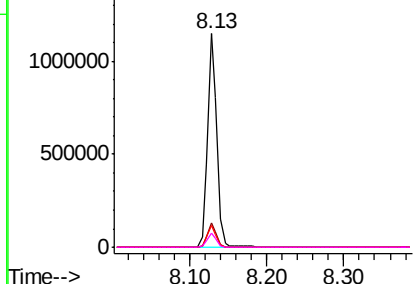
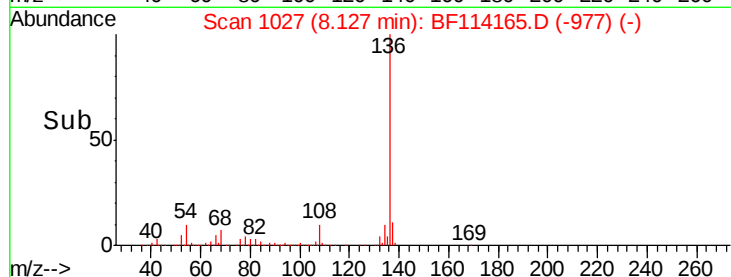
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF114165.D
Acq: 11 May 2019 20:55

Instrument :
BNA_F
ClientSampleId :
P026-SS004-1824-01

Tgt Ion:	136	Resp:	952926
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	10.0	7.8	11.8
68	6.5	5.1	7.7

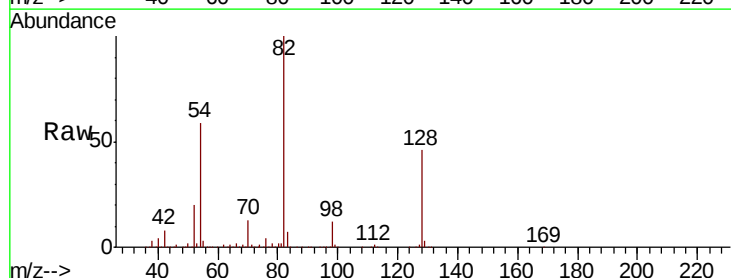


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

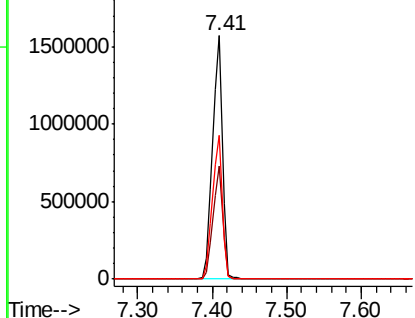
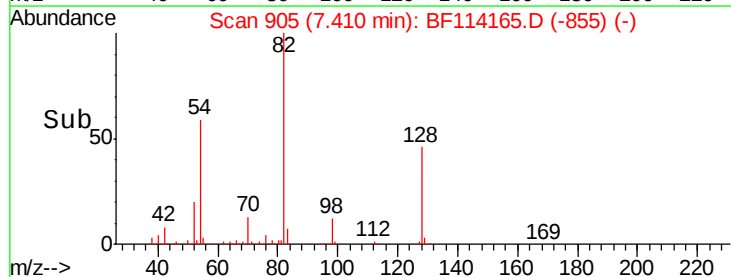


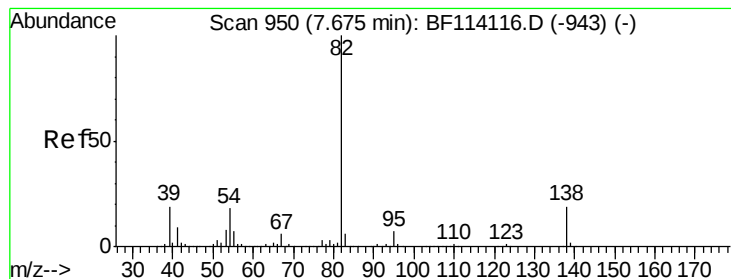
#23
Nitrobenzene-d5
Concen: 85.388 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114165.D
Acq: 11 May 2019 20:55

Tgt Ion:	82	Resp:	1449906
Ion	Ratio	Lower	Upper
82	100		
128	46.2	35.5	53.3
54	59.2	48.5	72.7



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





#25

Isophorone

Concen: 45.824 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

Instrument :

BNA_F

ClientSampleId :

P026-SS004-1824-01

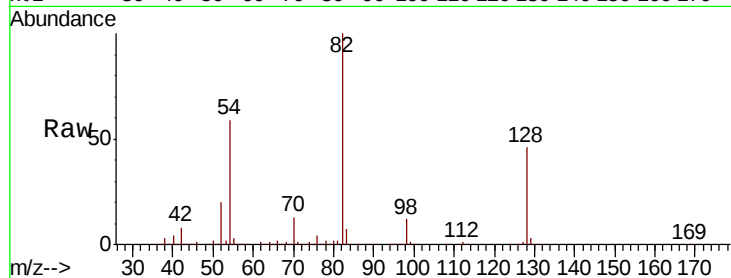
Tgt Ion: 82 Resp: 1443047

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

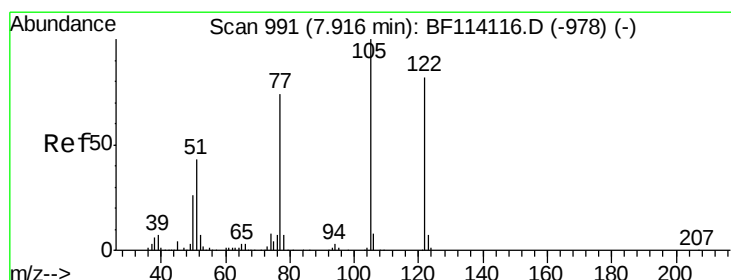
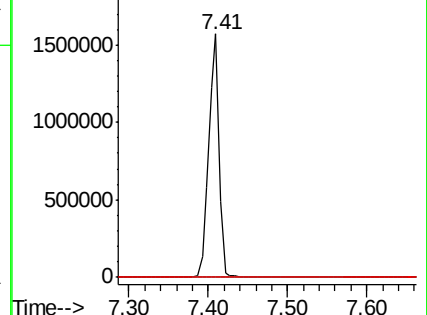
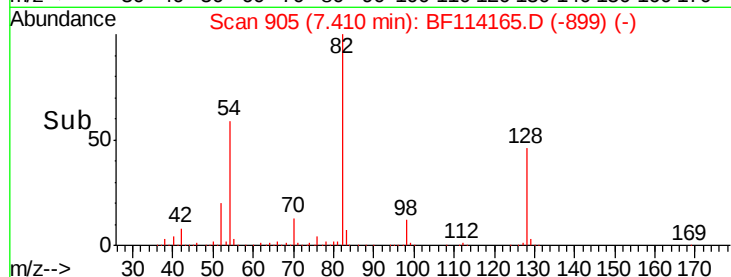
138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.086 ng

RT: 7.86 min Scan# 981

Delta R.T. -0.06 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

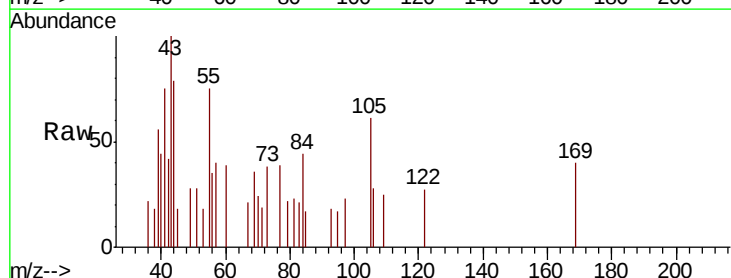
Tgt Ion: 122 Resp: 717

Ion Ratio Lower Upper

122 100

105 228.1 99.9 139.9#

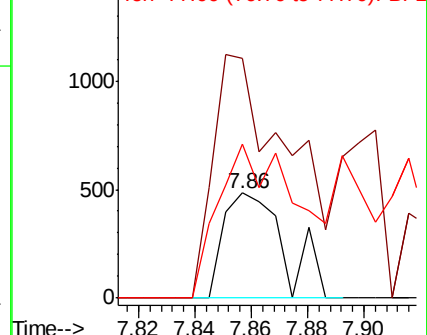
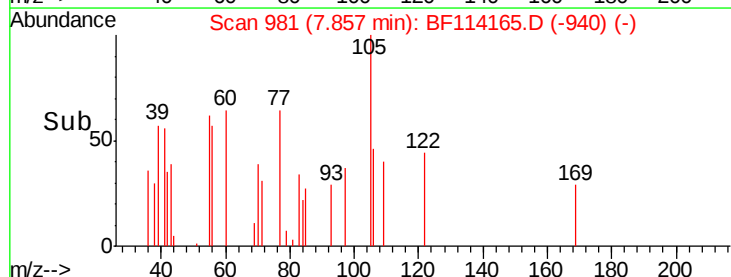
77 146.3 69.4 109.4#

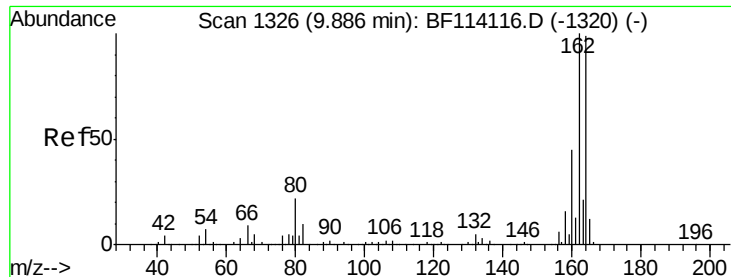


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

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ClientSampleId :

P026-SS004-1824-01

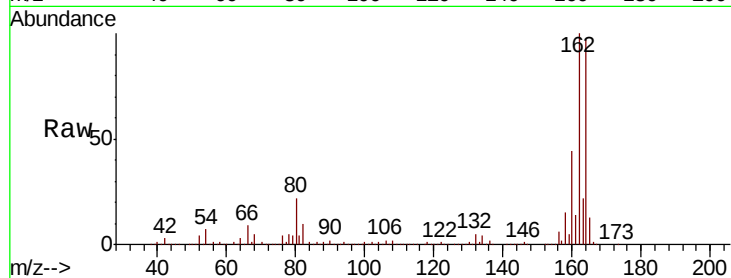
Tgt Ion:164 Resp: 450658

Ion Ratio Lower Upper

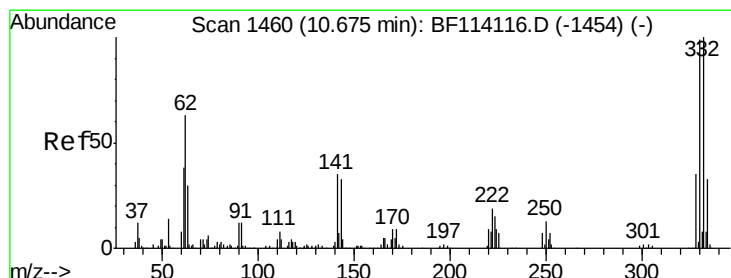
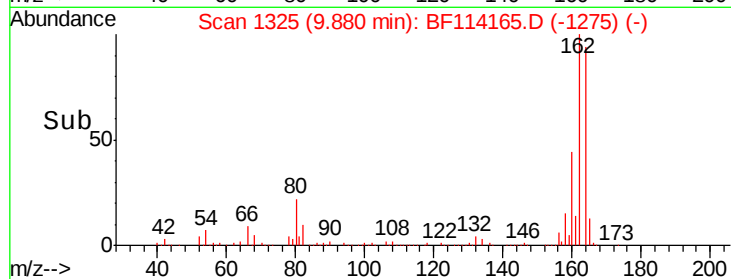
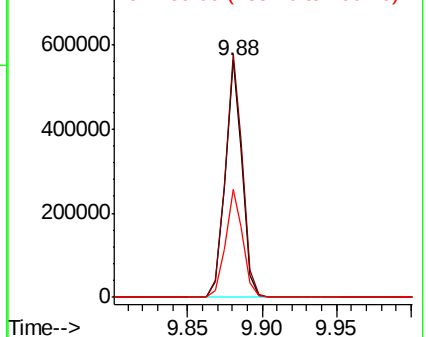
164 100

162 102.7 80.6 120.8

160 45.6 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: 123.135 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

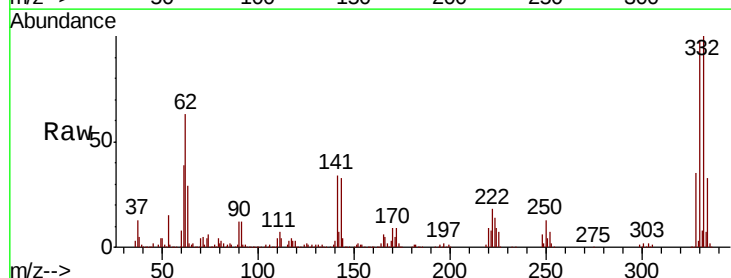
Tgt Ion:330 Resp: 573691

Ion Ratio Lower Upper

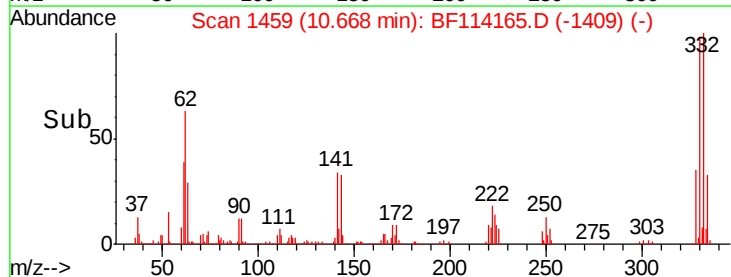
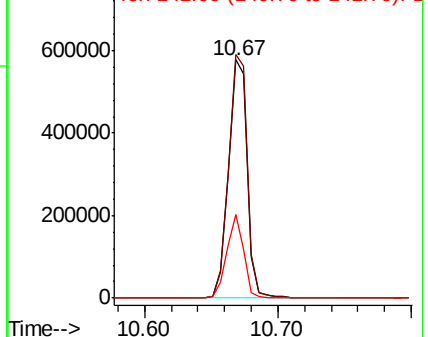
330 100

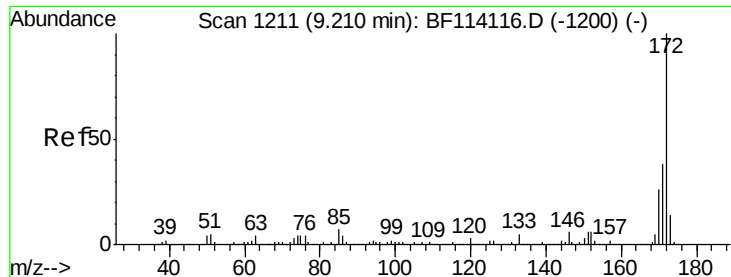
332 102.9 81.4 122.2

141 32.2 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

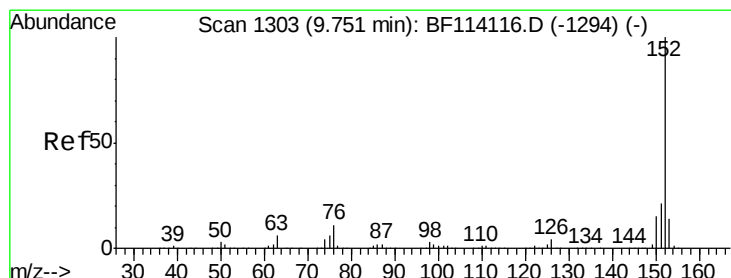
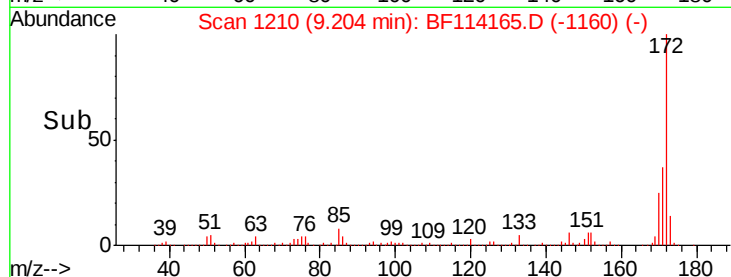
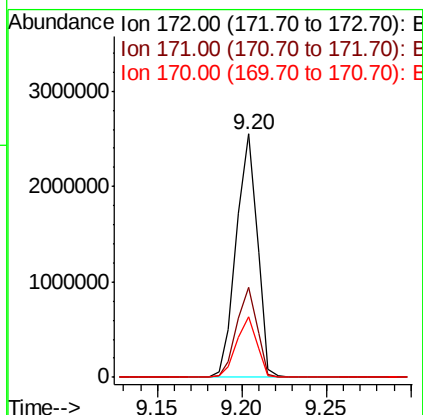
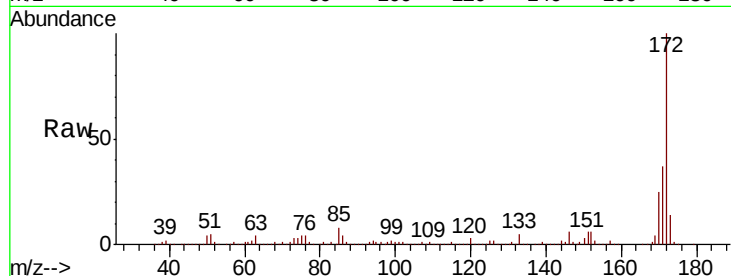




#45
2-Fluorobiphenyl
Concen: 74.077 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114165.D
Acq: 11 May 2019 20:55

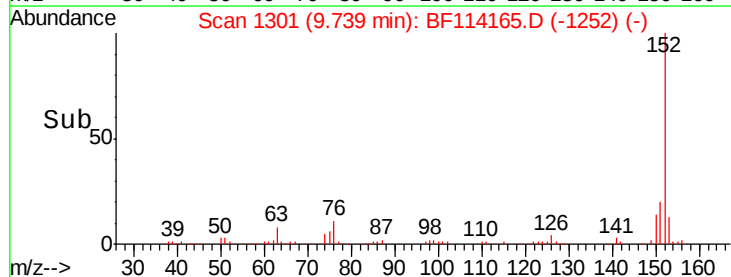
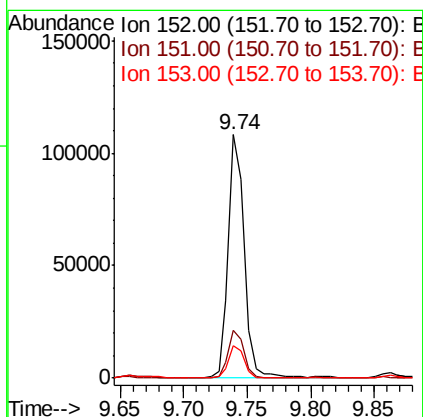
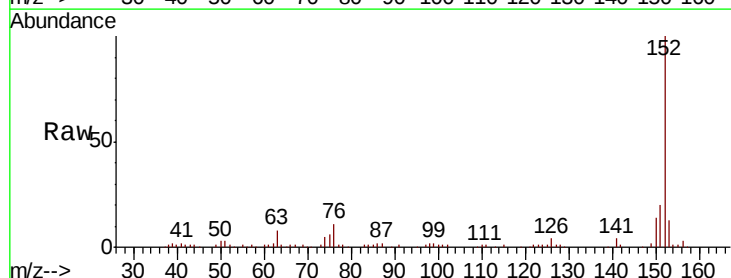
Instrument :
BNA_F
ClientSampleId :
P026-SS004-1824-01

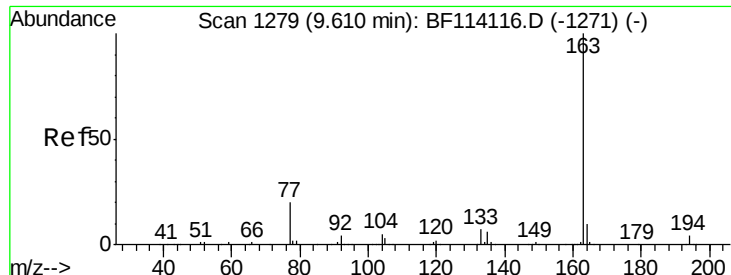
Tgt Ion:172 Resp: 2206913
Ion Ratio Lower Upper
172 100
171 36.8 30.7 46.1
170 24.9 20.5 30.7



#49
Acenaphthylene
Concen: 2.139 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF114165.D
Acq: 11 May 2019 20:55

Tgt Ion:152 Resp: 95315
Ion Ratio Lower Upper
152 100
151 19.8 16.8 25.2
153 13.4 11.4 17.2

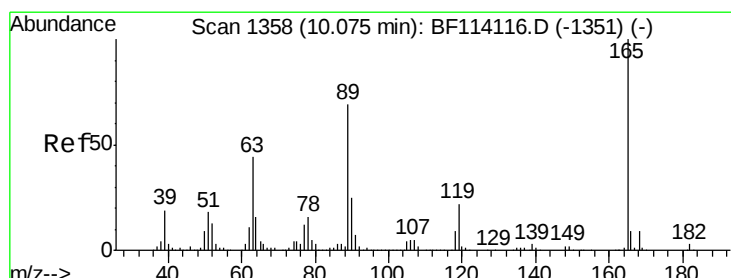
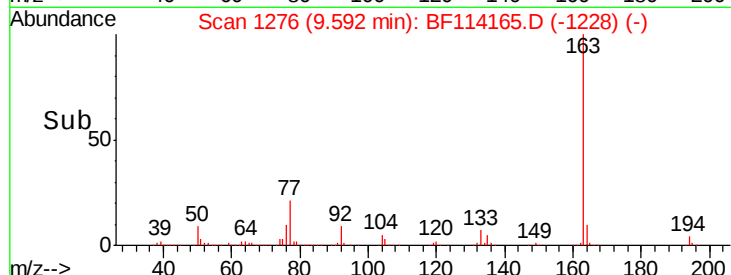
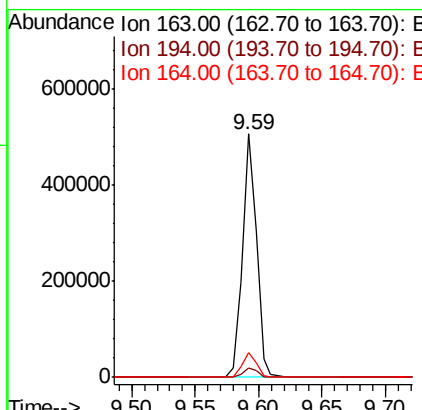
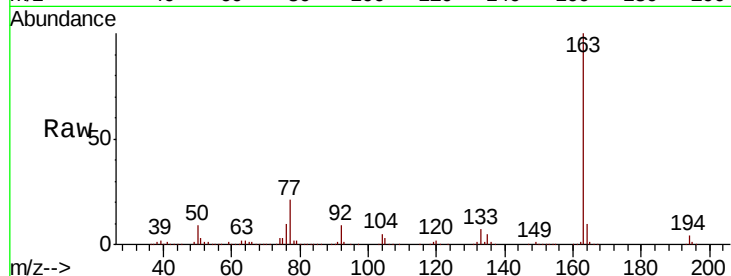




#50
Dimethylphthalate
Concen: 11.521 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF114165.D
Acq: 11 May 2019 20:55

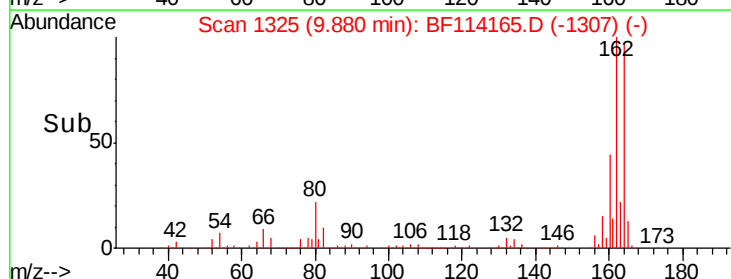
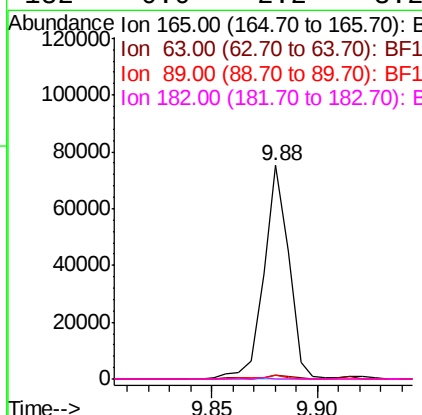
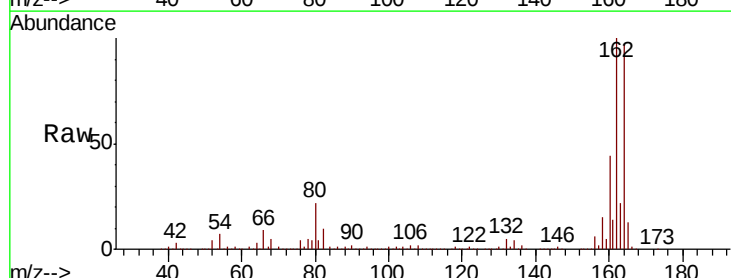
Instrument :
BNA_F
ClientSampleId :
P026-SS004-1824-01

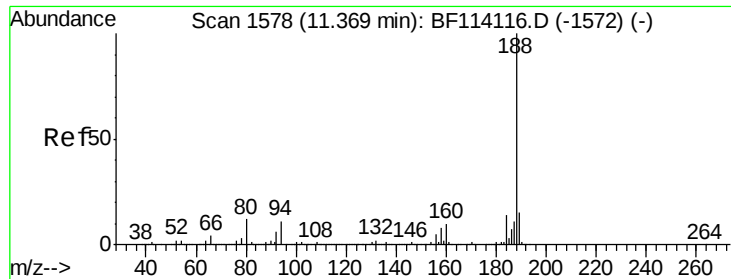
Tgt Ion:163 Resp: 381139
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 10.4 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 6.209 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF114165.D
Acq: 11 May 2019 20:55

Tgt Ion:165 Resp: 61839
Ion Ratio Lower Upper
165 100
63 1.6 35.5 53.3#
89 1.5 55.2 82.8#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

Instrument :

BNA_F

ClientSampleId :

P026-SS004-1824-01

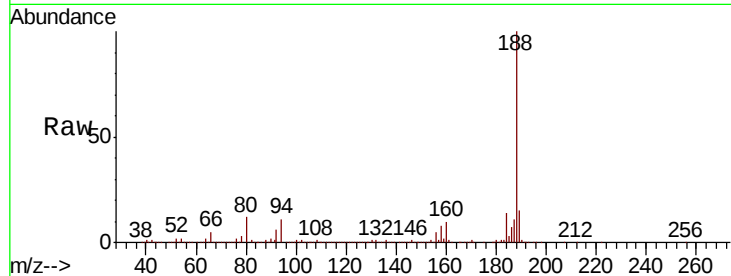
Tgt Ion:188 Resp: 916371

Ion Ratio Lower Upper

188 100

94 11.3 8.4 12.6

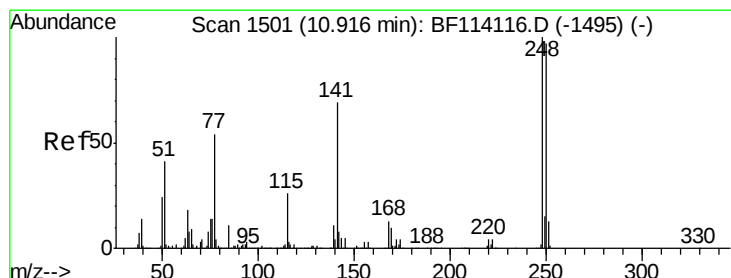
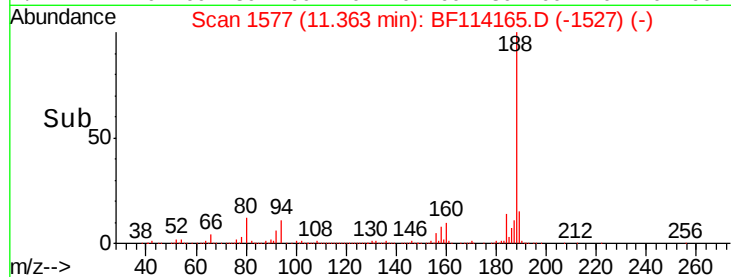
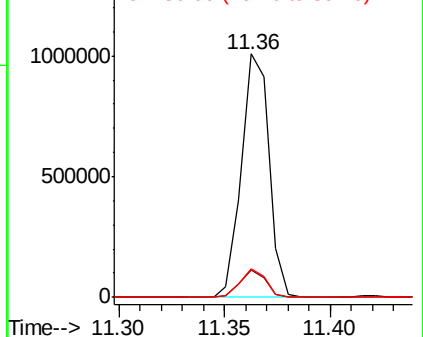
80 11.7 9.2 13.8



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



#67

4-Bromophenyl-phenylether

Concen: 3.663 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

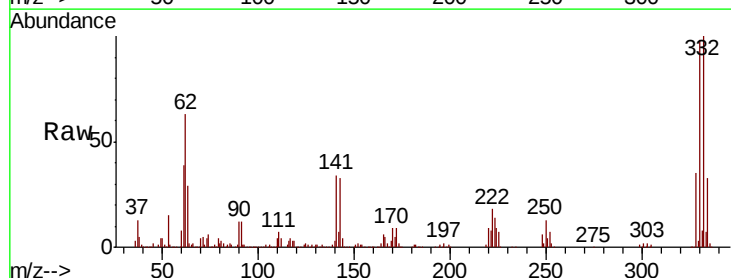
Tgt Ion:248 Resp: 36957

Ion Ratio Lower Upper

248 100

250 198.3 77.4 116.2#

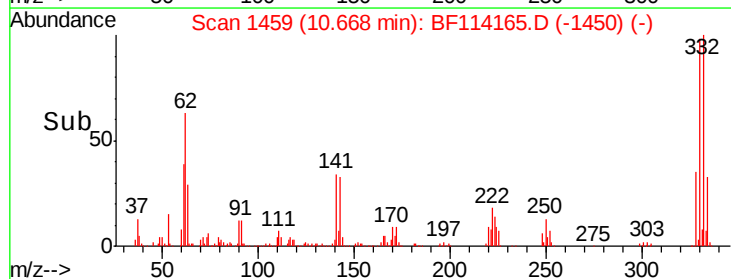
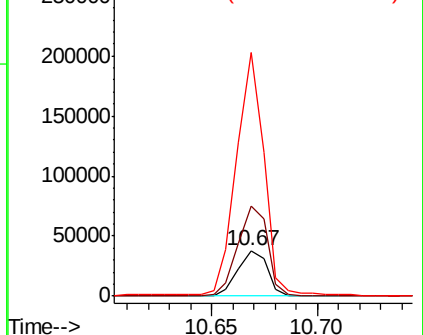
141 534.0 55.6 83.4#

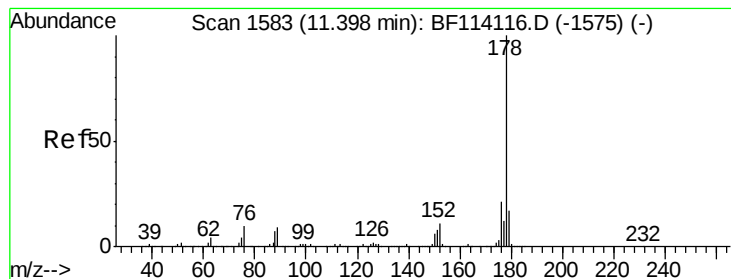


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 5.606 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

Instrument :

BNA_F

ClientSampleId :

P026-SS004-1824-01

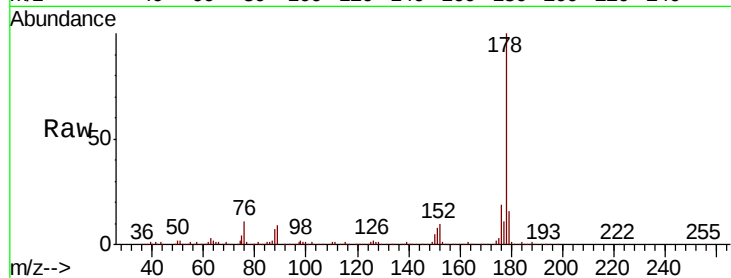
Tgt Ion:178 Resp: 249931

Ion Ratio Lower Upper

178 100

176 19.3 16.4 24.6

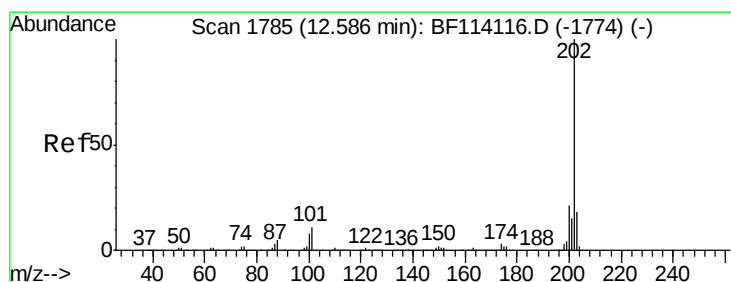
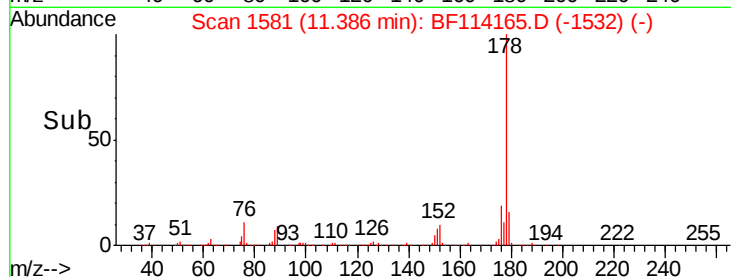
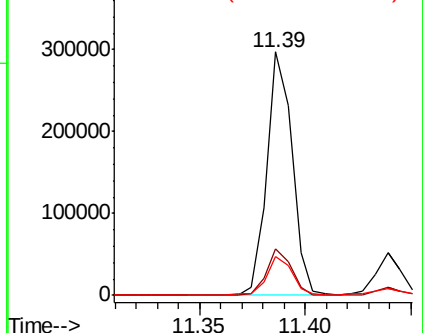
179 16.0 13.2 19.8



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: 10.812 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

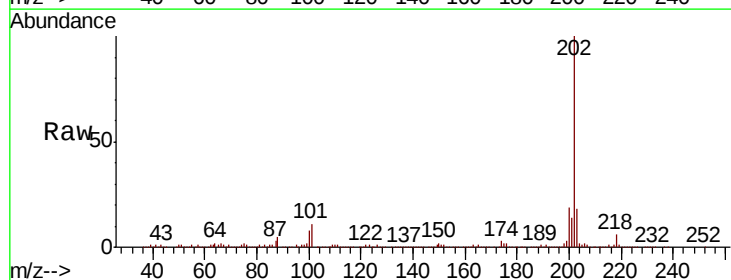
Tgt Ion:202 Resp: 519094

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.0

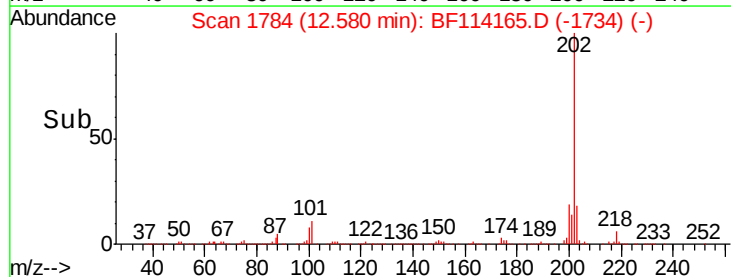
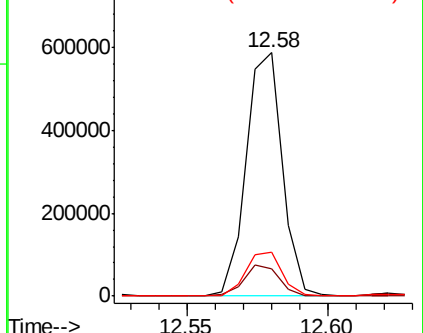
203 17.9 0.0 38.4

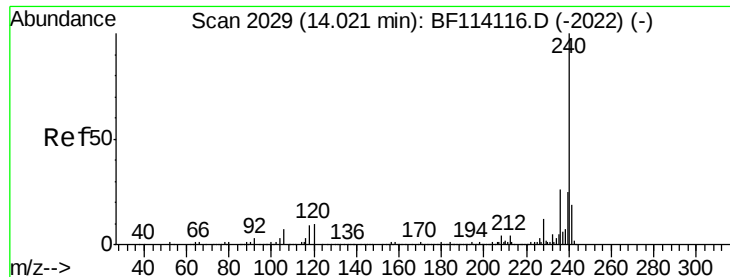


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF114165.D

Acq: 11 May 2019 20:55

Instrument :

BNA_F

ClientSampleId :

P026-SS004-1824-01

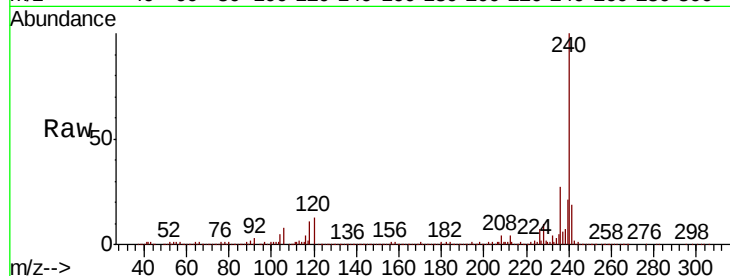
Tgt Ion:240 Resp: 712753

Ion Ratio Lower Upper

240 100

120 12.7 8.3 12.5#

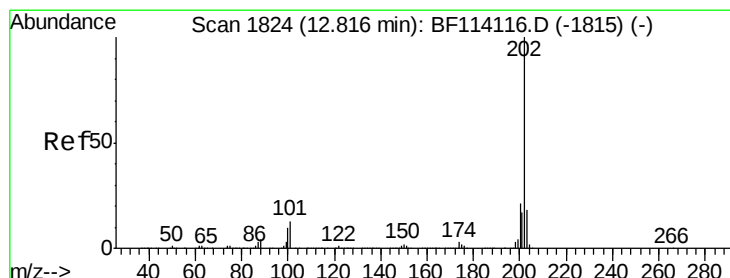
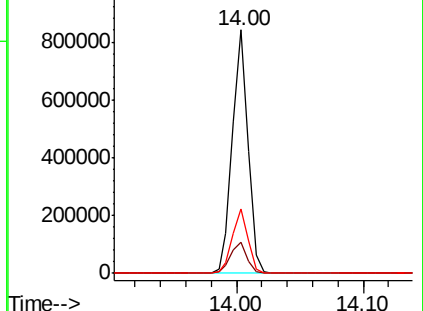
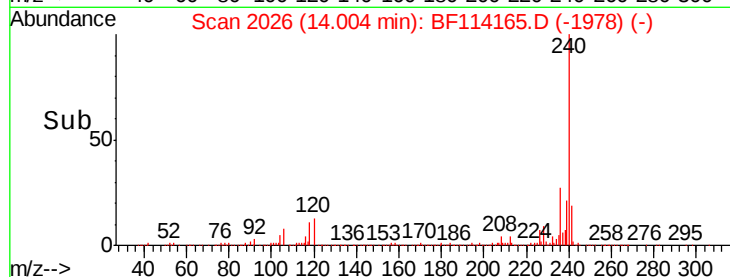
236 26.6 20.8 31.2



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

Pyrene

Concen: 16.294 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

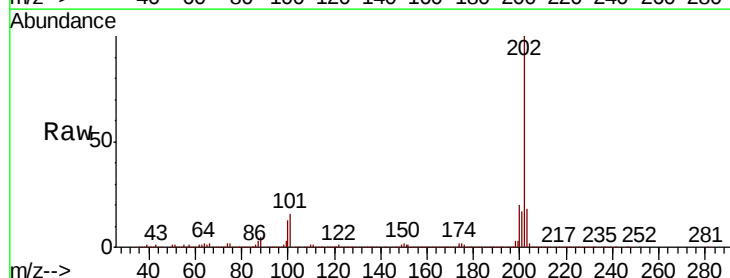
Tgt Ion:202 Resp: 934267

Ion Ratio Lower Upper

202 100

200 19.8 16.9 25.3

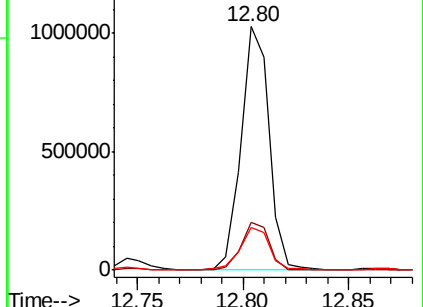
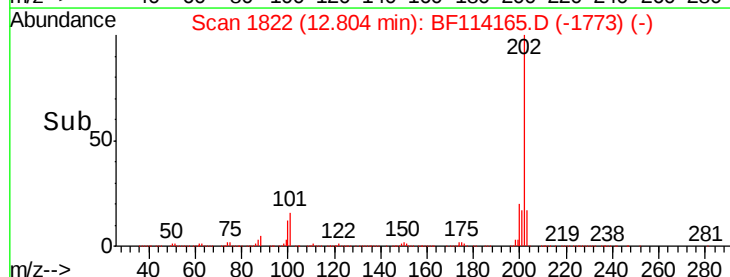
203 17.7 14.5 21.7

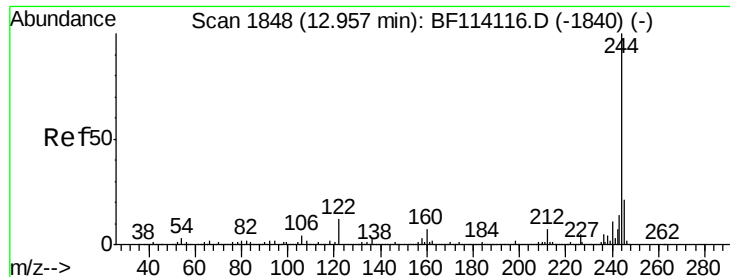


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 68.224 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

Instrument :

BNA_F

ClientSampleId :

P026-SS004-1824-01

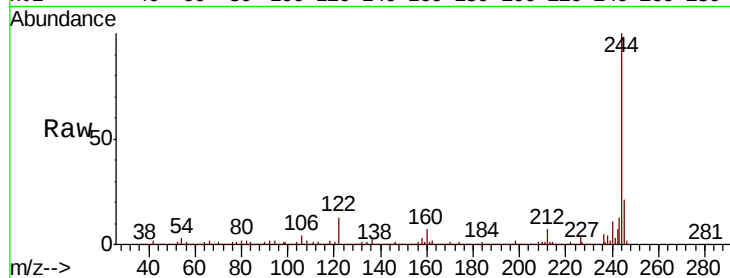
Tgt Ion:244 Resp: 2358901

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

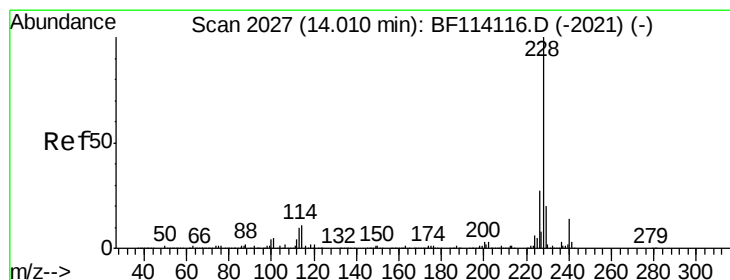
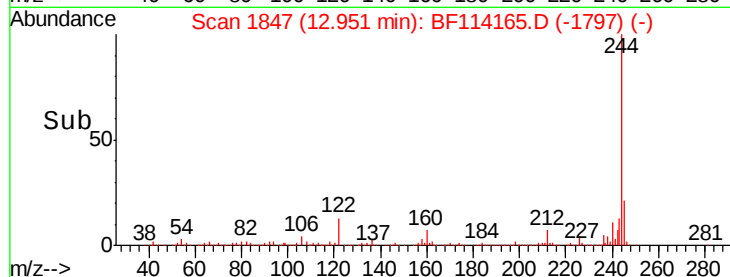
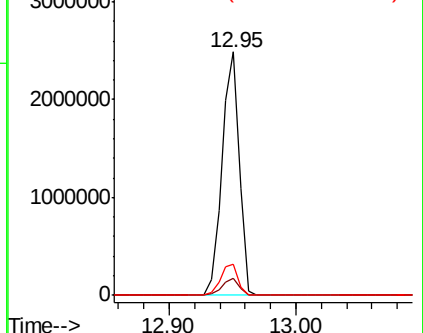
122 13.0 9.4 14.2



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: 9.663 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.02 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

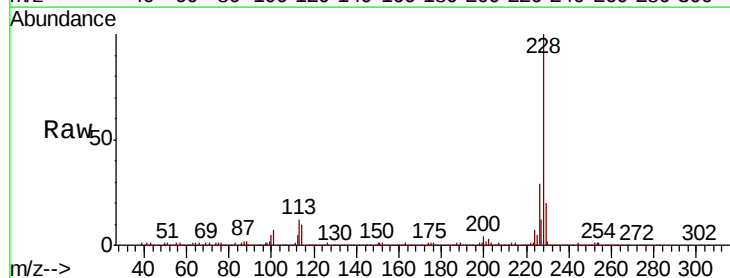
Tgt Ion:228 Resp: 445466

Ion Ratio Lower Upper

228 100

226 29.0 22.2 33.2

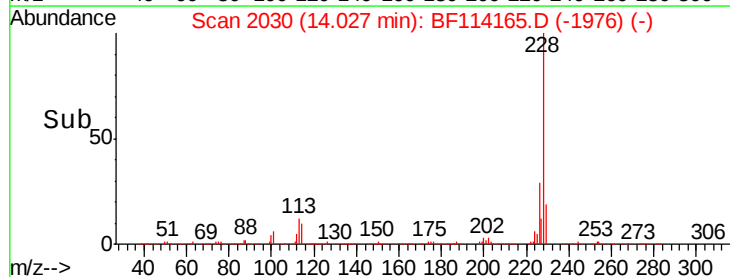
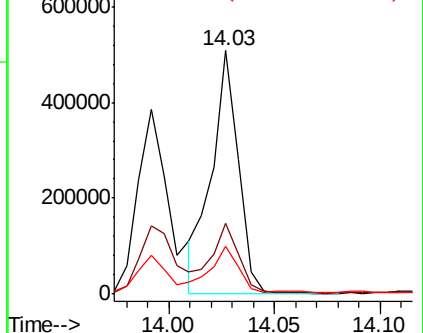
229 19.7 16.4 24.6

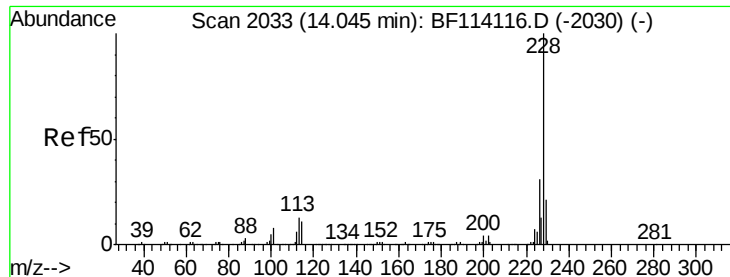


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 9.857 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

Instrument :

BNA_F

ClientSampleId :

P026-SS004-1824-01

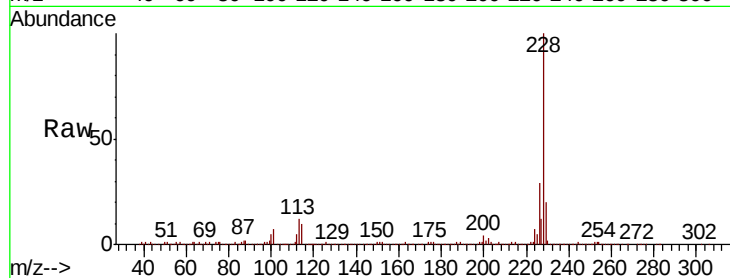
Tgt Ion: 228 Resp: 445468

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

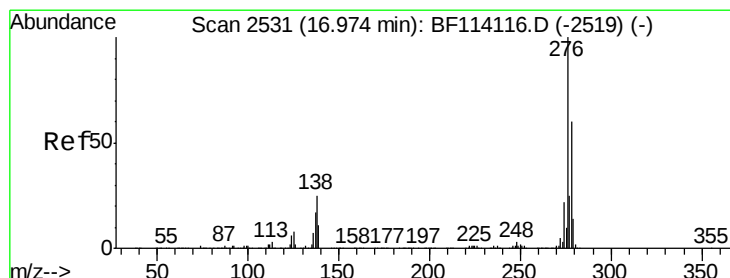
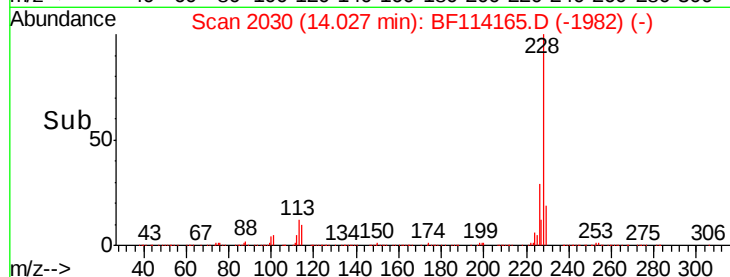
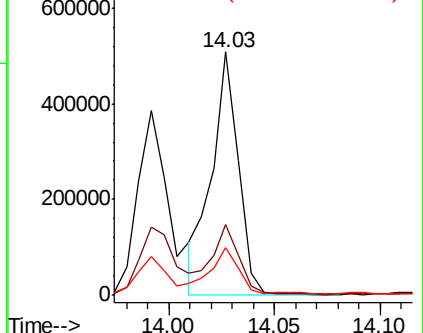
229 19.7 17.0 25.6



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: 7.502 ng

RT: 16.93 min Scan# 2523

Delta R.T. -0.05 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

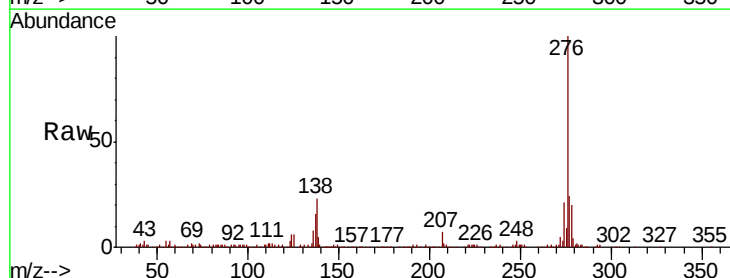
Tgt Ion: 276 Resp: 299616

Ion Ratio Lower Upper

276 100

138 23.4 20.2 30.2

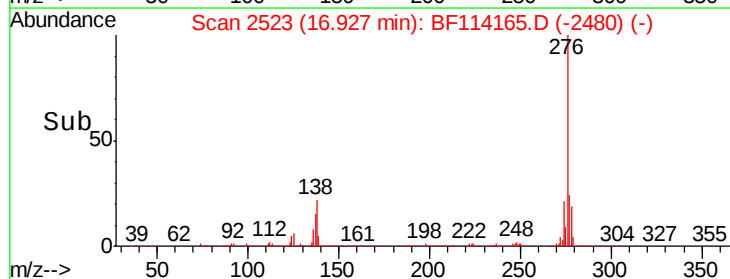
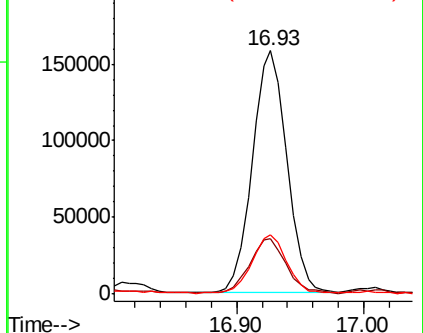
277 24.0 20.0 30.0

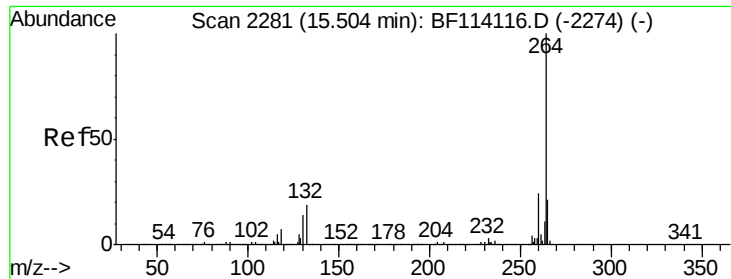


Abundance Ion 276.00 (275.70 to 276.70): E

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: BF114165.D

Acq: 11 May 2019 20:55

Instrument :

BNA_F

ClientSampleId :

P026-SS004-1824-01

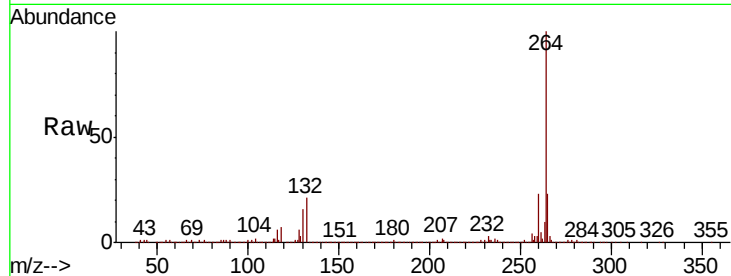
Tgt Ion:264 Resp: 741200

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.0

265 23.0 16.9 25.3

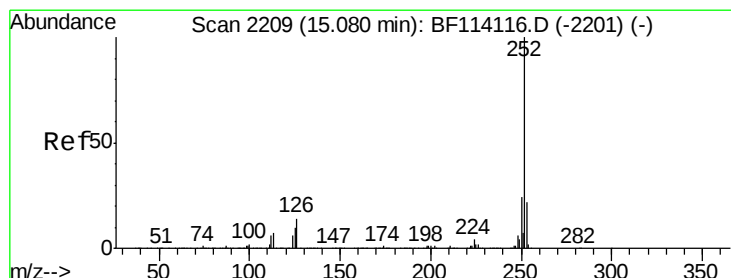
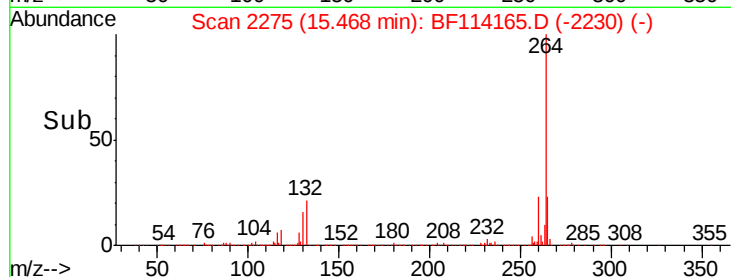
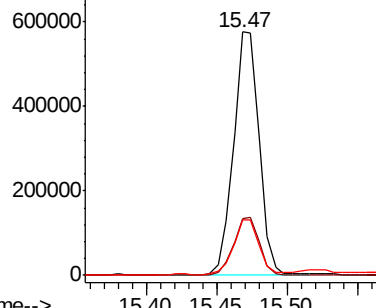


Abundance

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: 13.227 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.04 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

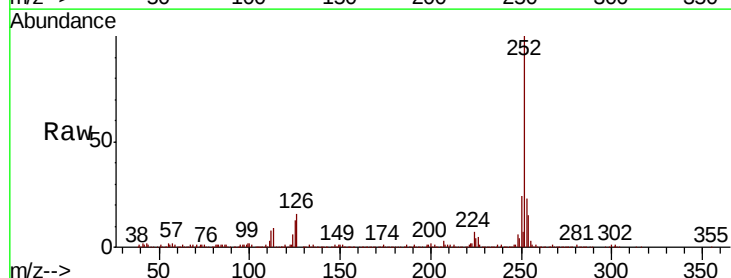
Tgt Ion:252 Resp: 628102

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 12.6 8.3 12.5#

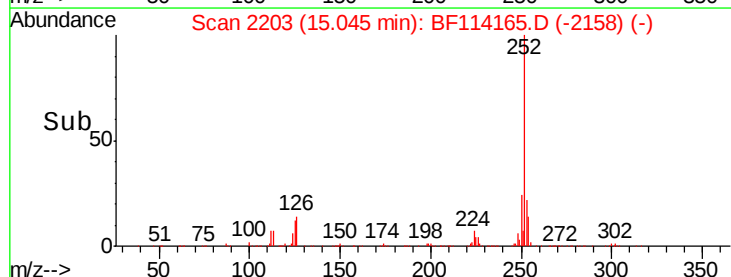
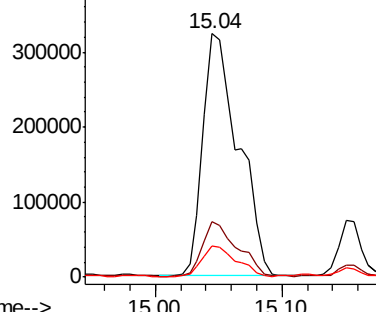


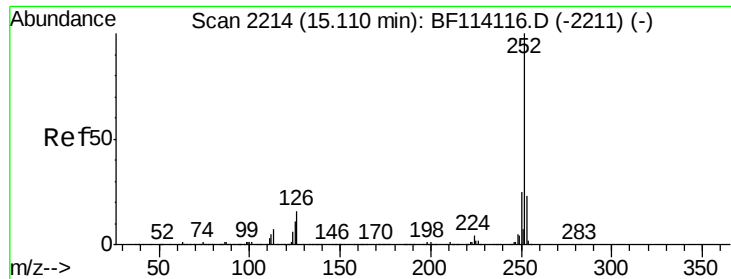
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

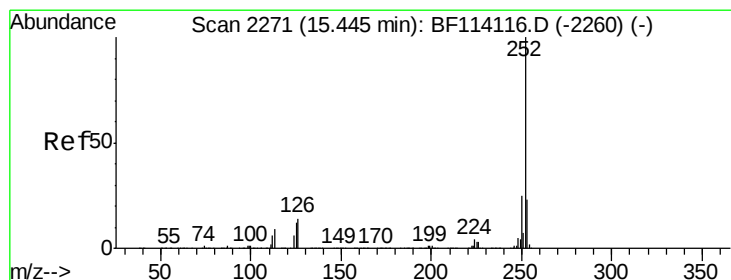
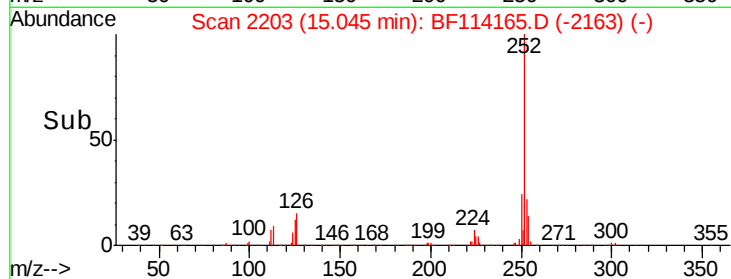
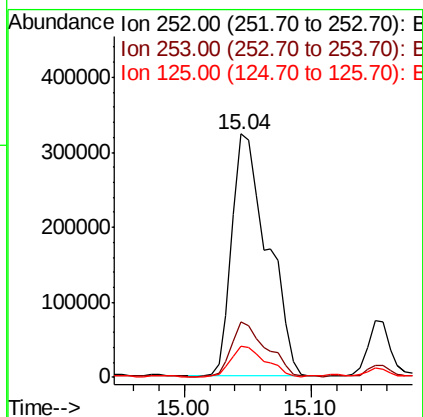
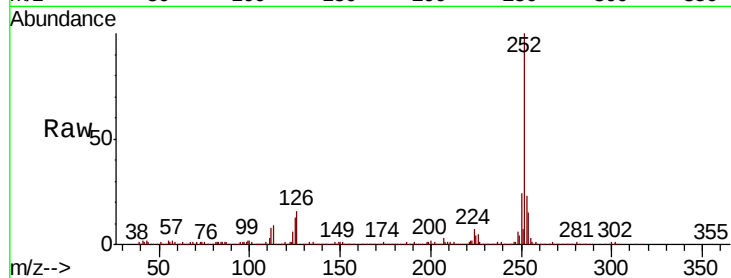




#89
Benzo(k)fluoranthene
Concen: 14.399 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.06 min
Lab File: BF114165.D
Acq: 11 May 2019 20:55

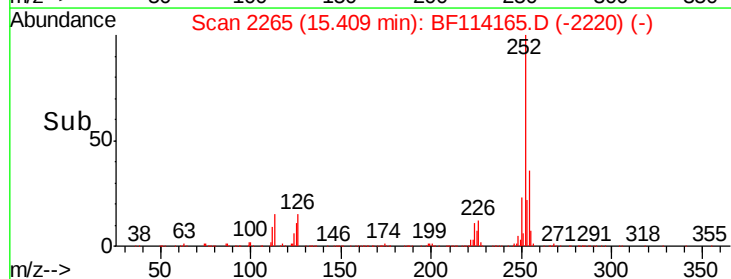
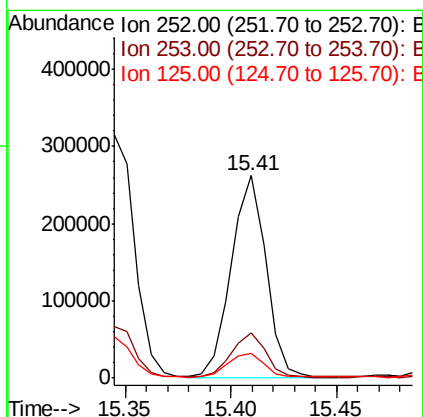
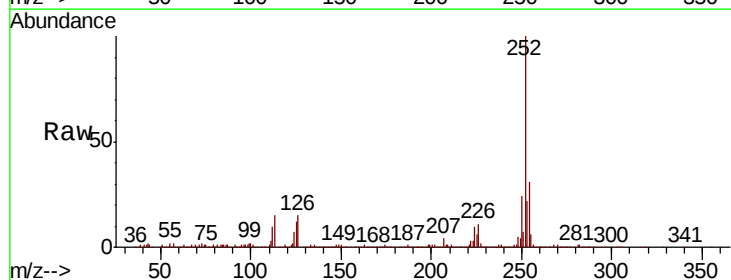
Instrument :
BNA_F
ClientSampleId :
P026-SS004-1824-01

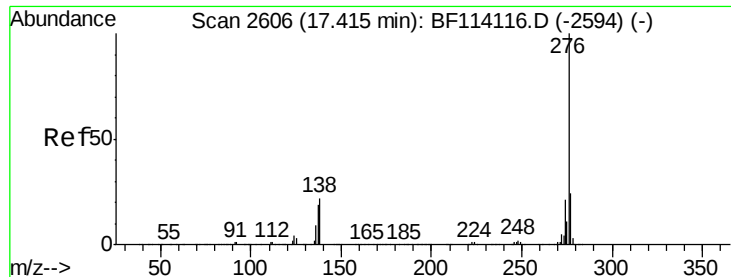
Tgt Ion:252 Resp: 628102
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 12.6 8.6 13.0



#90
Benzo(a)pyrene
Concen: 7.158 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.04 min
Lab File: BF114165.D
Acq: 11 May 2019 20:55

Tgt Ion:252 Resp: 299159
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 12.0 9.5 14.3





#92

Benzo(g,h,i)perylene

Concen: 10.353 ng

RT: 17.37 min Scan# 2598

Delta R.T. -0.05 min

Lab File: BF114165.D

Acq: 11 May 2019 20:55

Instrument :

BNA_F

ClientSampleId :

P026-SS004-1824-01

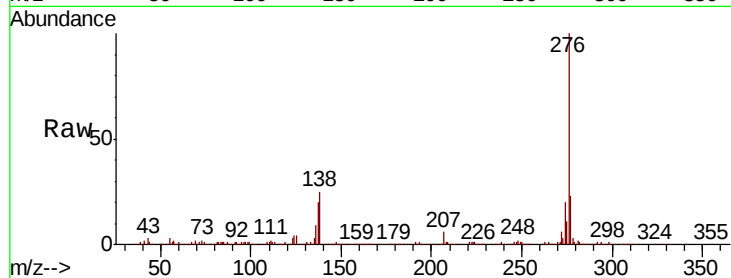
Tgt Ion: 276 Resp: 360287

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.4

138 24.9 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

250000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

