

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

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

Quant Time: May 12 05:55:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	292292	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1098853	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	512982	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	1035778	20.00	ng	0.00
76) Chrysene-d12	14.00	240	596800	20.00	ng	-0.02
87) Perylene-d12	15.47	264	775507	20.00	ng	-0.04

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

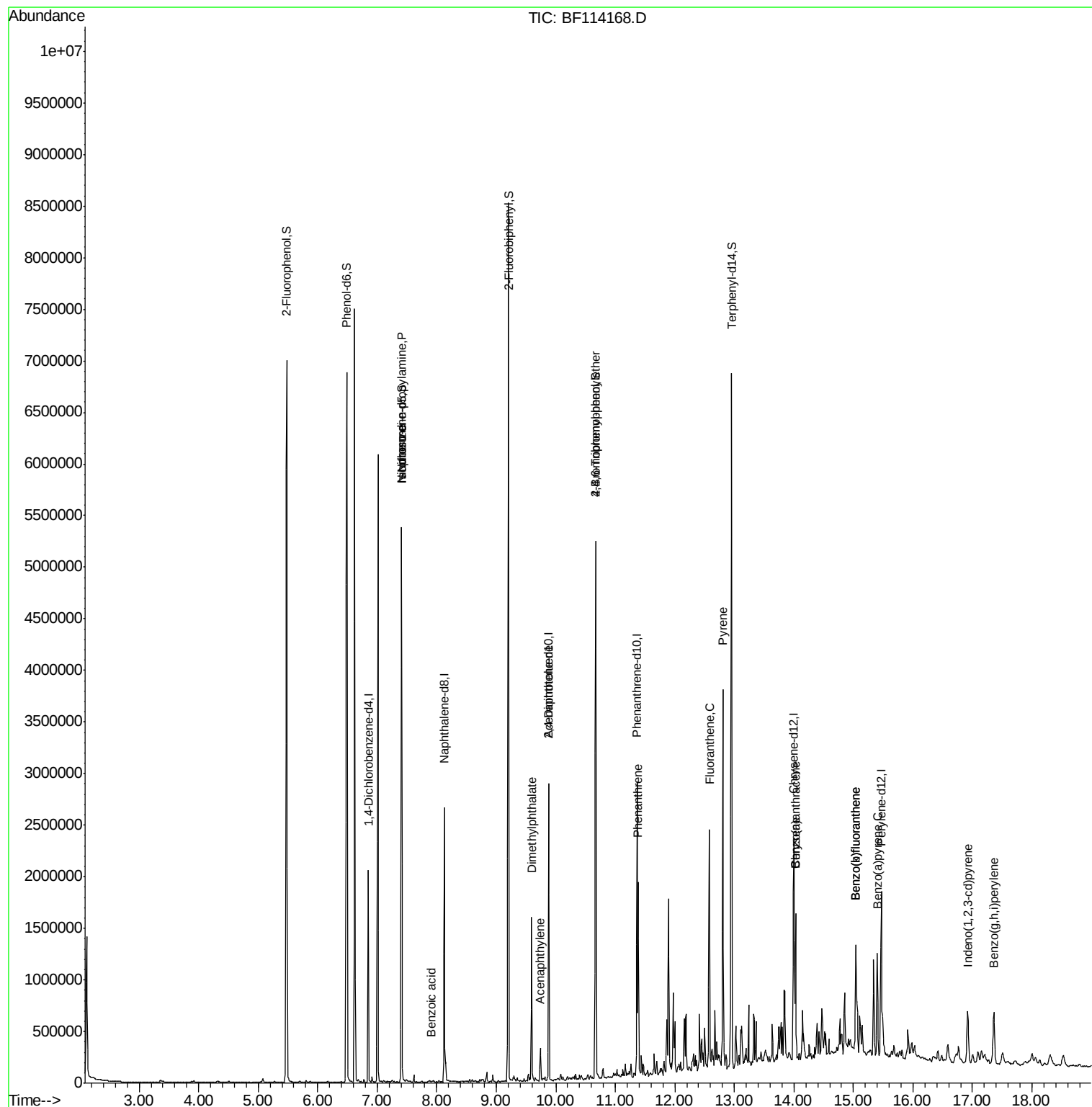
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	222907	16.371	ng	# 75
25) Isophorone	7.41	82	1646942	45.353	ng	# 64
32) Benzoic acid	7.91	122	248	7.040	ng	92
49) Acenaphthylene	9.74	152	128990	2.543	ng	96
50) Dimethylphthalate	9.59	163	562372	14.934	ng	99
57) 2,4-Dinitrotoluene	9.88	165	67397	5.945	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	42522	3.729	ng	# 1
71) Phenanthrene	11.39	178	641274	12.726	ng	97
75) Fluoranthene	12.58	202	914404	16.851	ng	98
78) Pyrene	12.81	202	1534247	31.957	ng	99
81) Benzo(a)anthracene	14.03	228	542852	14.063	ng	97
83) Chrysene	14.03	228	542852	14.346	ng	97
86) Indeno(1,2,3-cd)pyrene	16.92	276	331457	9.911	ng	96
88) Benzo(b)fluoranthene	15.04	252	757549	15.248	ng	# 98
89) Benzo(k)fluoranthene	15.04	252	757549	16.599	ng	97
90) Benzo(a)pyrene	15.40	252	392905	8.986	ng	98
92) Benzo(g,h,i)perylene	17.36	276	398438	10.942	ng	99

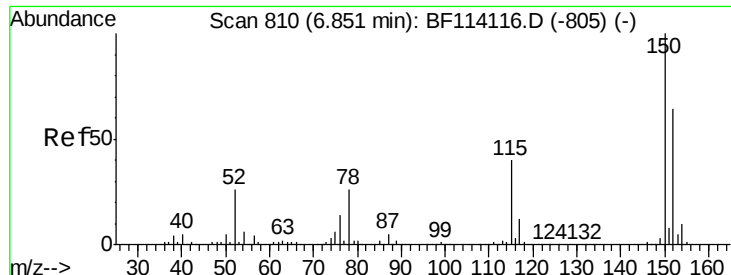
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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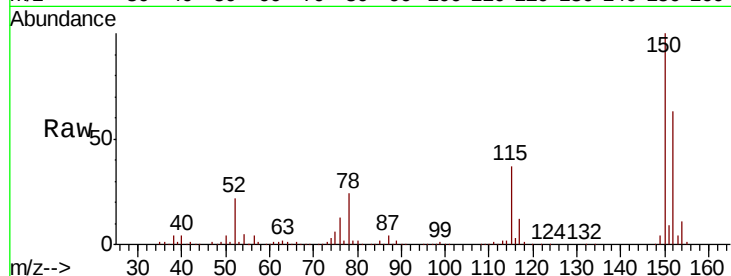


#1

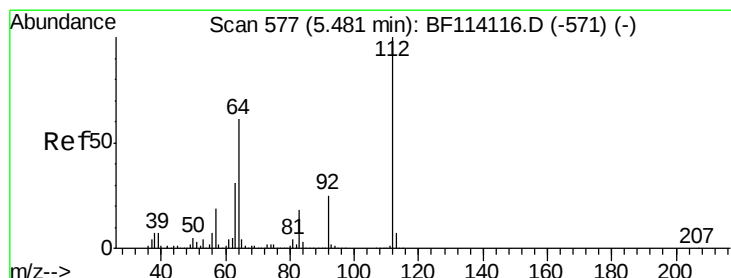
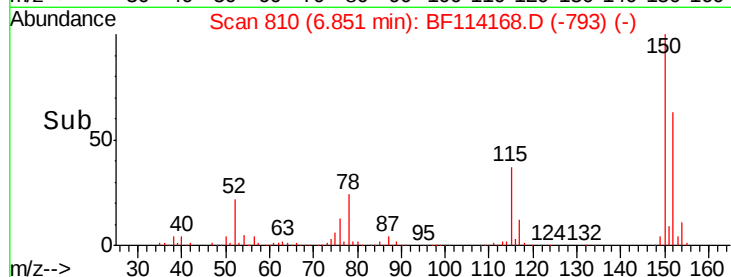
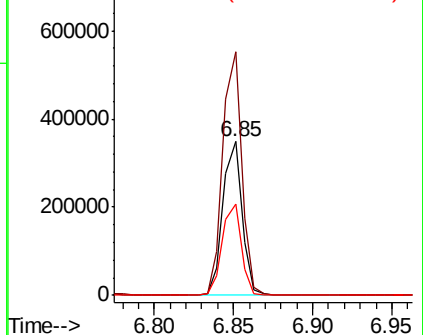
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

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

Tgt Ion:152 Resp: 292292
Ion Ratio Lower Upper
152 100
150 158.4 124.3 186.5
115 59.1 49.1 73.7



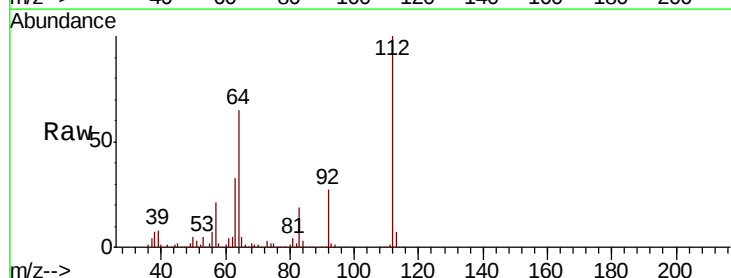
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



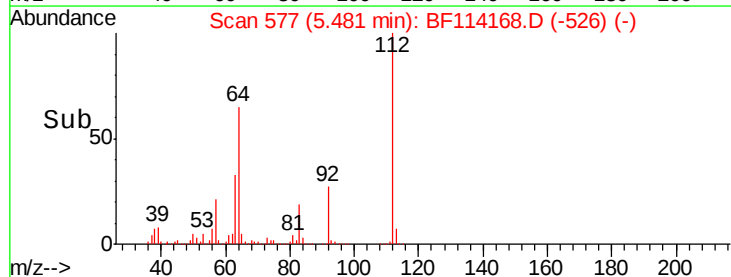
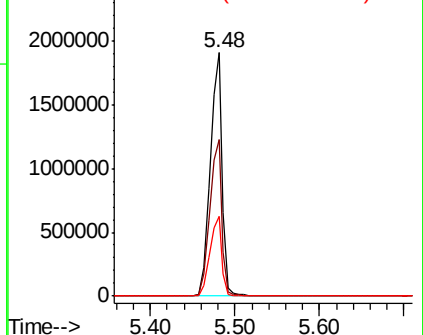
#5

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

Tgt Ion:112 Resp: 1905969
Ion Ratio Lower Upper
112 100
64 64.5 49.0 73.6
63 32.8 24.6 37.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 125.487 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1824-01

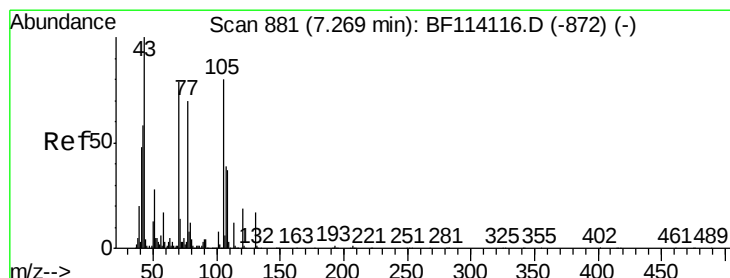
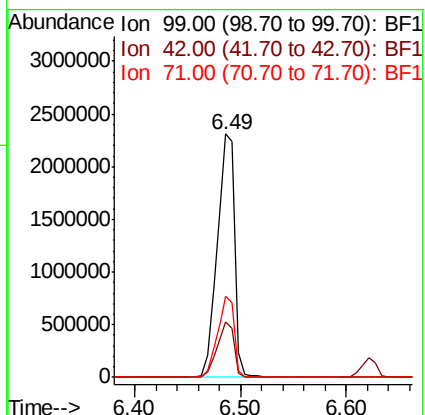
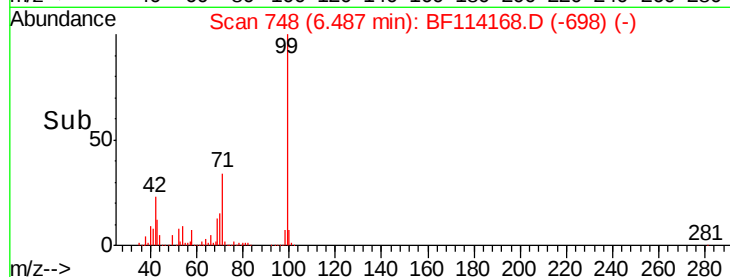
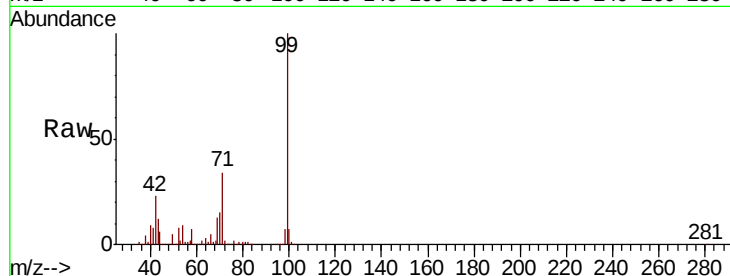
Tgt Ion: 99 Resp: 2695726

Ion Ratio Lower Upper

99 100

42 22.9 17.9 26.9

71 33.5 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.371 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Tgt Ion: 70 Resp: 222907

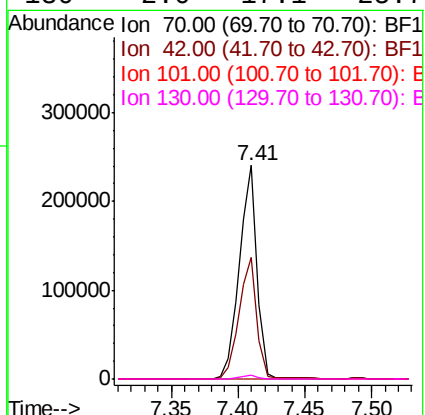
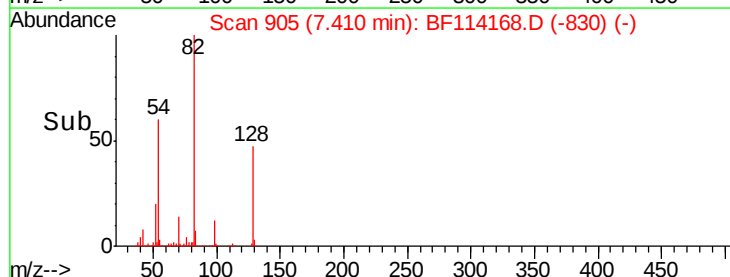
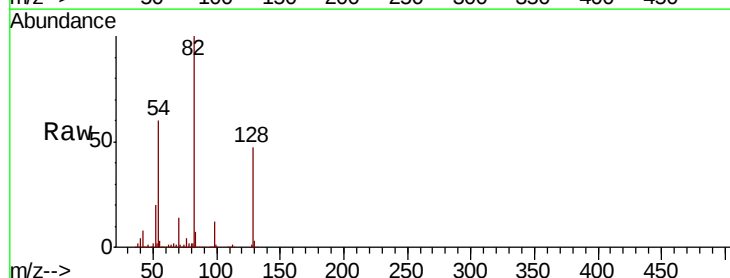
Ion Ratio Lower Upper

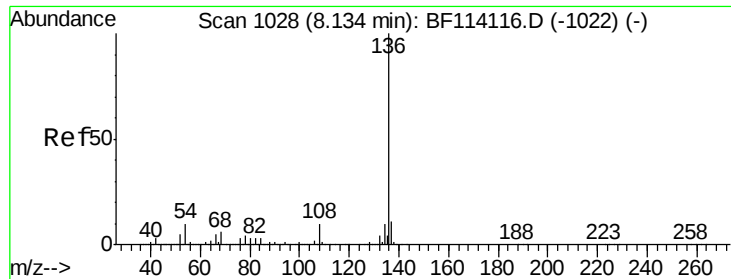
70 100

42 56.8 58.6 87.8#

101 0.0 7.8 11.8#

130 2.0 17.1 25.7#

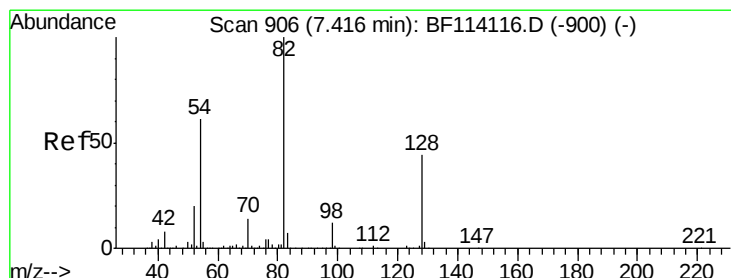
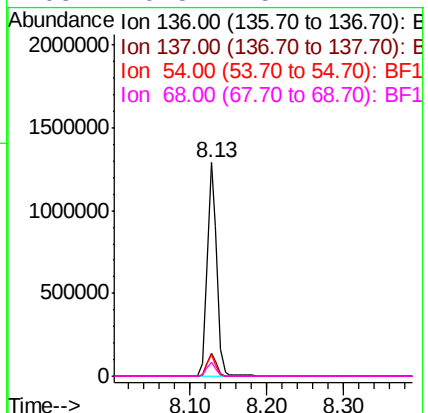
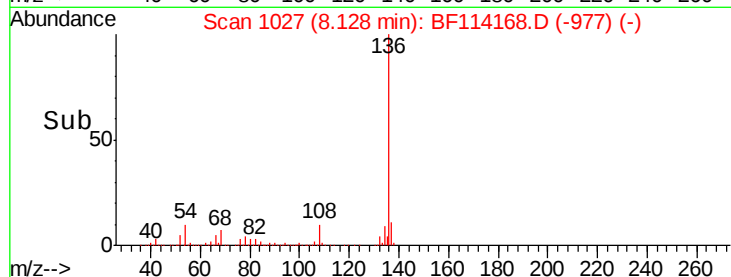
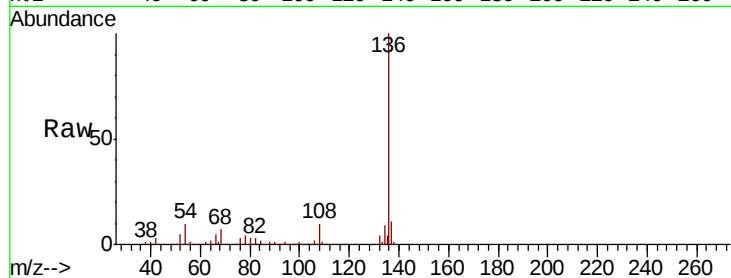




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

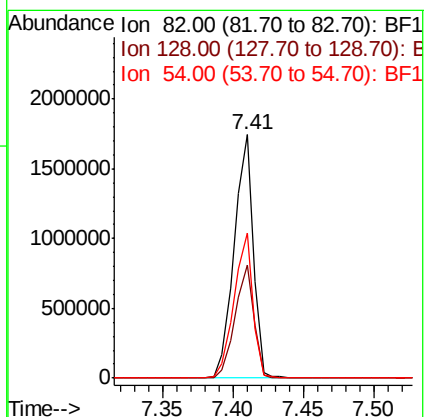
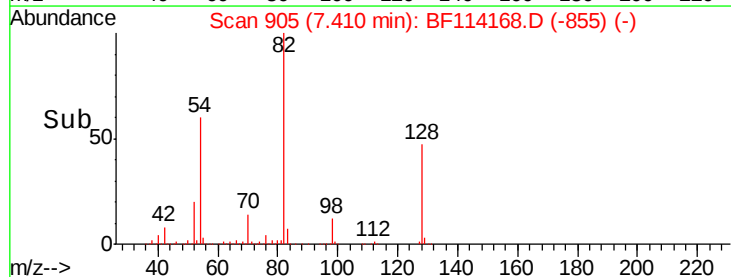
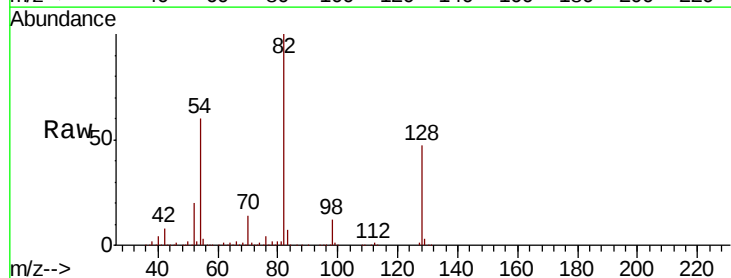
Instrument :
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P026-SS002-1824-01

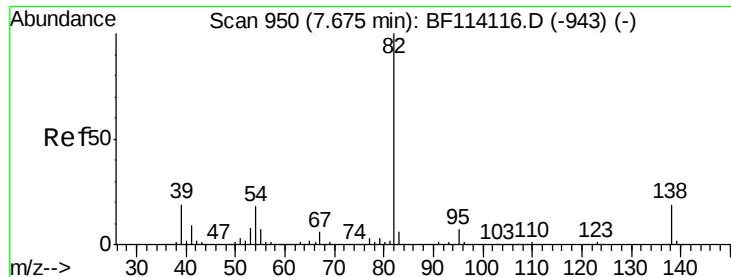
Tgt Ion:	136	Resp:	1098853
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	10.1	7.8	11.8
68	6.8	5.1	7.7



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

Tgt Ion:	82	Resp:	1650562
Ion	Ratio	Lower	Upper
82	100		
128	46.5	35.5	53.3
54	59.6	48.5	72.7





#25

Isophorone

Concen: 45.353 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1824-01

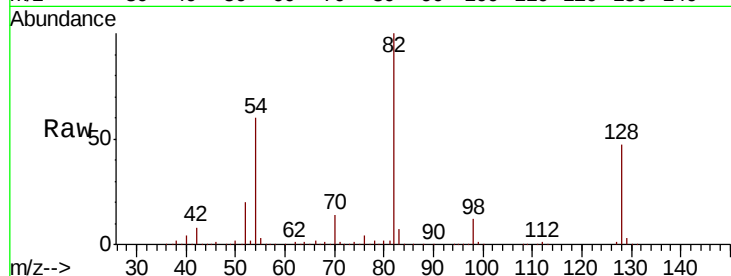
Tgt Ion: 82 Resp: 1646942

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

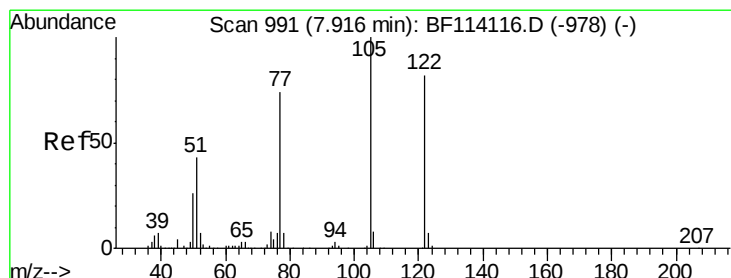
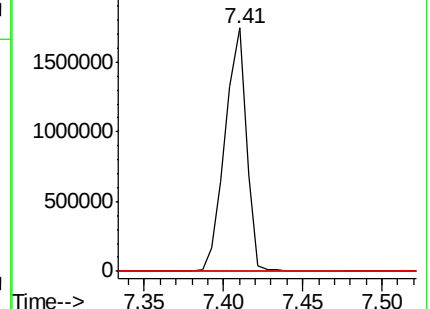
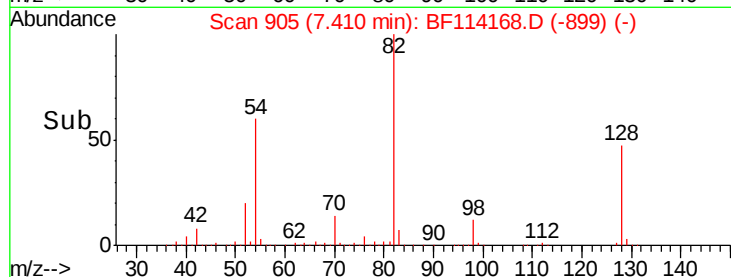
138 0.0 14.8 22.2#



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: 7.040 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

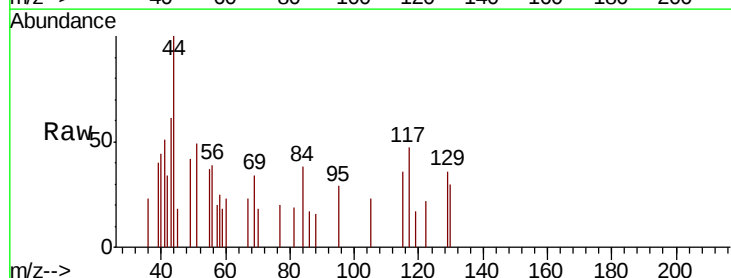
Tgt Ion: 122 Resp: 248

Ion Ratio Lower Upper

122 100

105 105.1 99.9 139.9

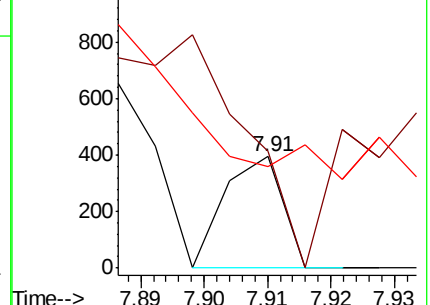
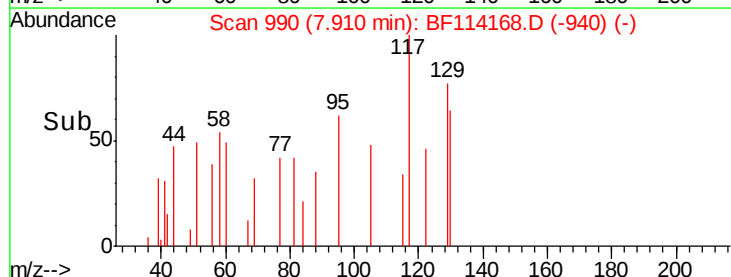
77 90.9 69.4 109.4

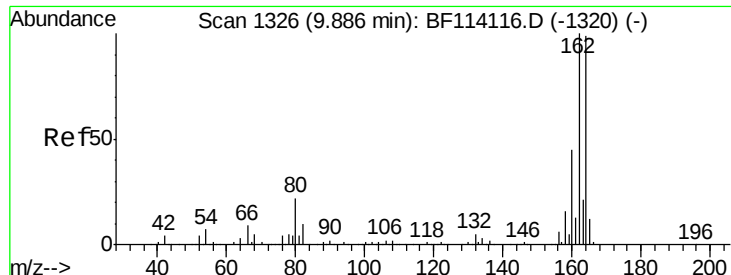


Abundance Ion 122.00 (121.70 to 122.70): E

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: BF114168.D

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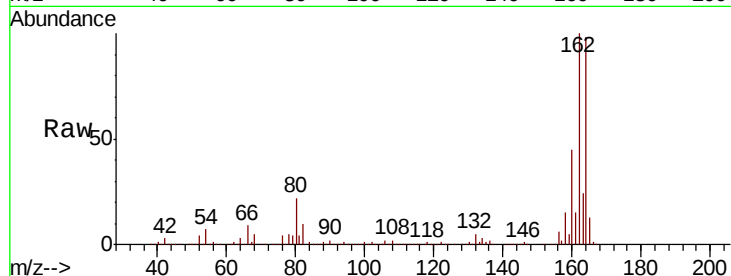
Tgt Ion:164 Resp: 512982

Ion Ratio Lower Upper

164 100

162 101.6 80.6 120.8

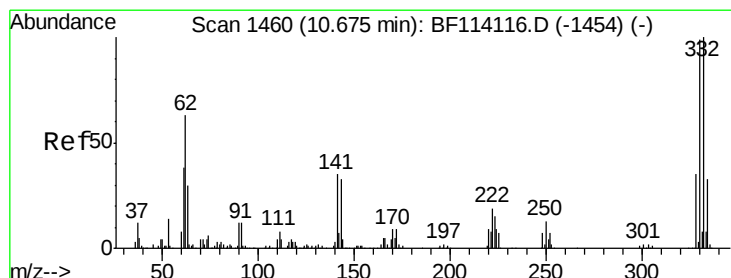
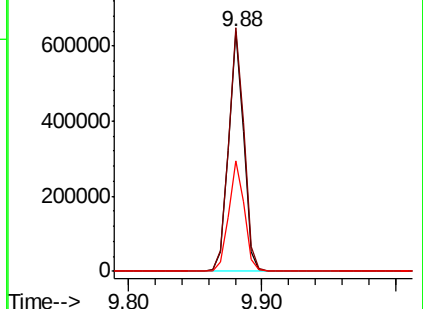
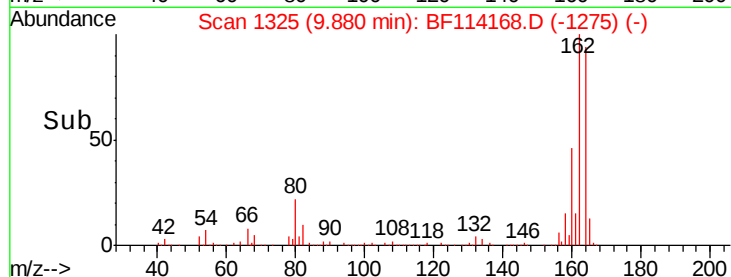
160 46.0 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 122.570 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

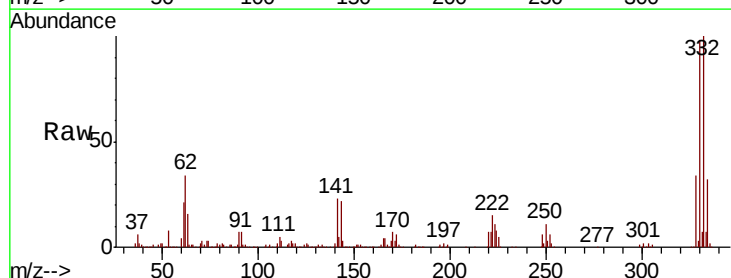
Tgt Ion:330 Resp: 650034

Ion Ratio Lower Upper

330 100

332 103.8 81.4 122.2

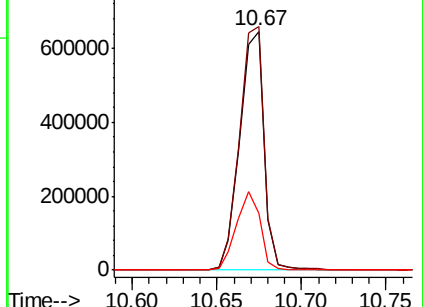
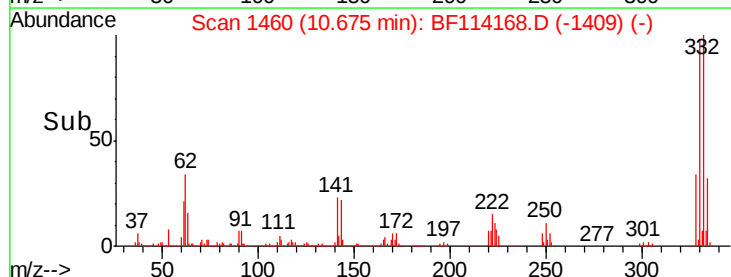
141 32.4 26.6 40.0

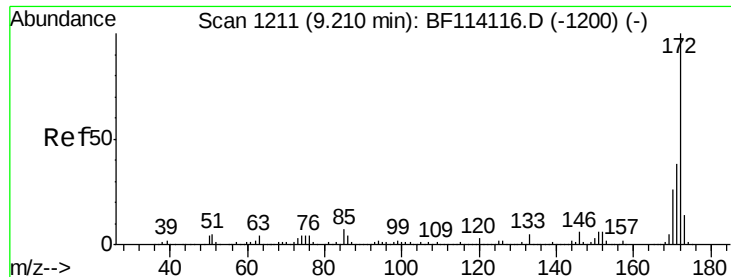


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

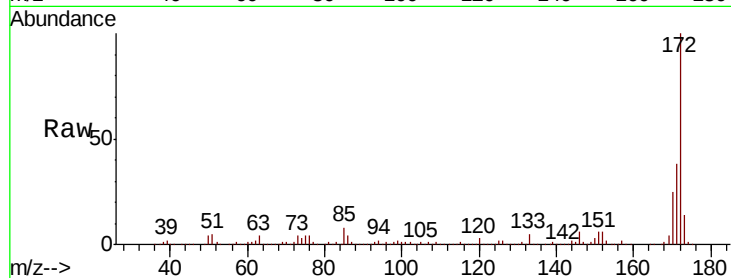




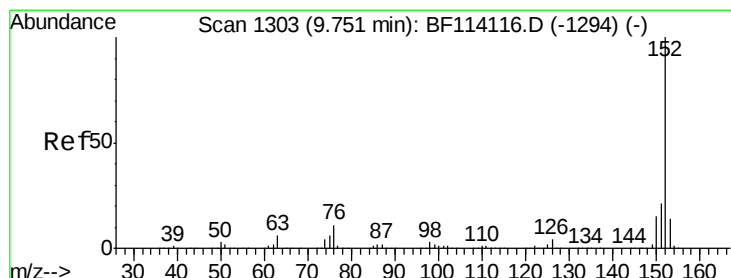
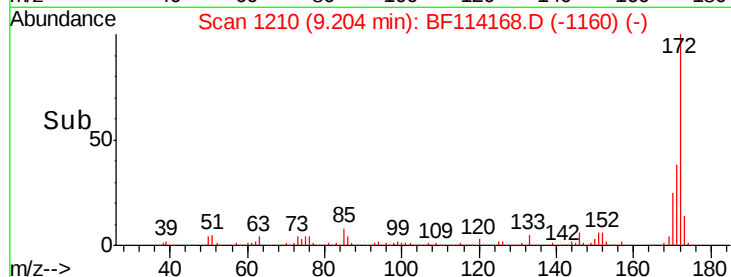
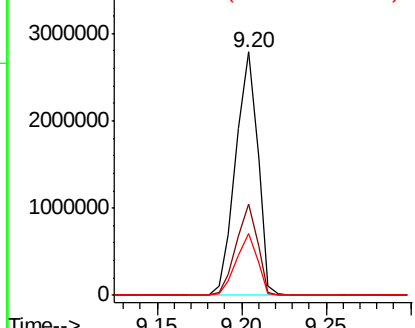
#45
 2-Fluorobiphenyl
 Concen: 75.430 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF114168.D
 Acq: 11 May 2019 22:14

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 P026-SS002-1824-01

Tgt Ion:172 Resp: 2558017
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.7 46.1
 170 25.3 20.5 30.7

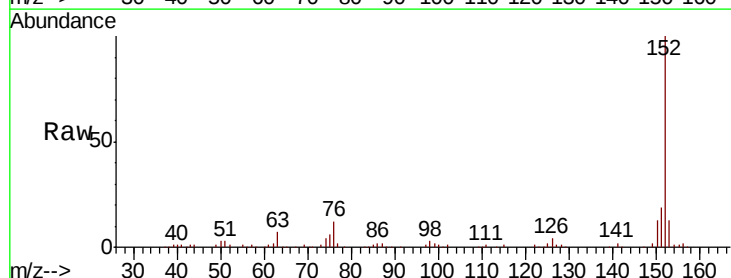


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

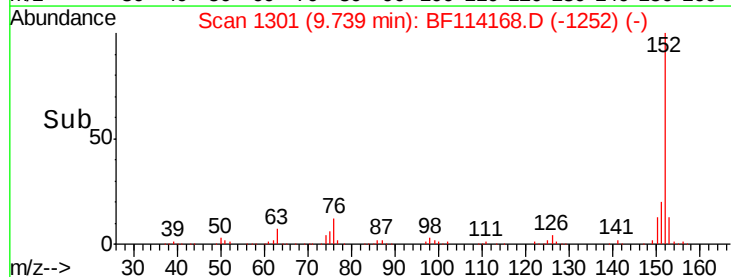
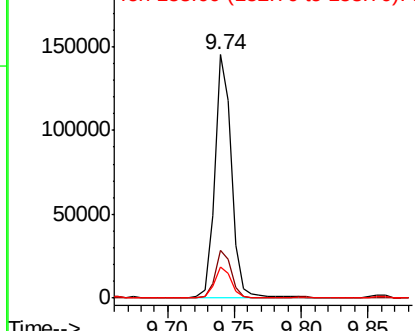


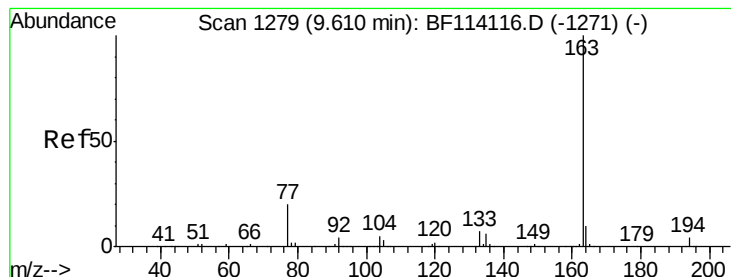
#49
 Acenaphthylene
 Concen: 2.543 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BF114168.D
 Acq: 11 May 2019 22:14

Tgt Ion:152 Resp: 128990
 Ion Ratio Lower Upper
 152 100
 151 19.5 16.8 25.2
 153 12.5 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 14.934 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1824-01

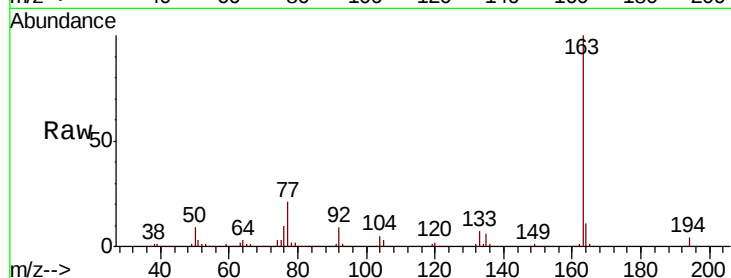
Tgt Ion:163 Resp: 562372

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

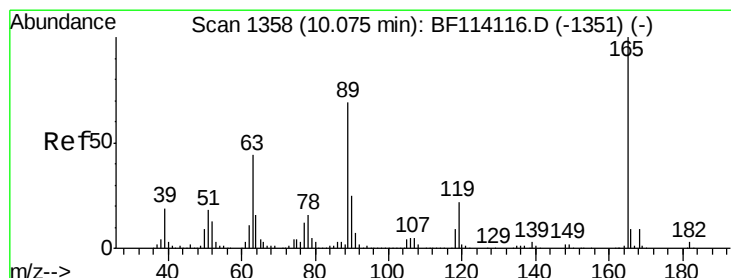
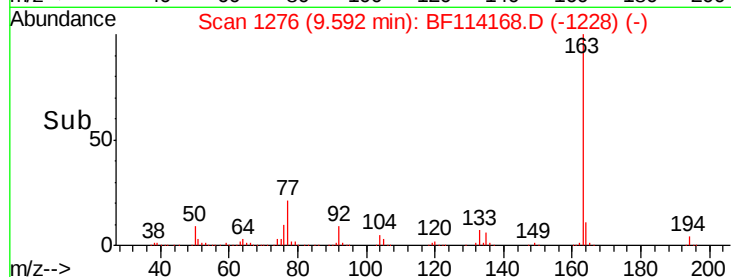
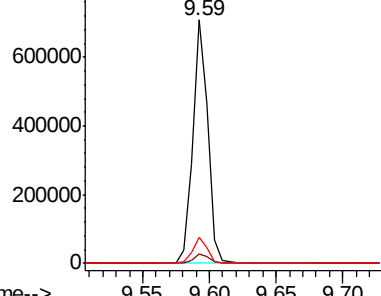
164 10.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.945 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Tgt Ion:165 Resp: 67397

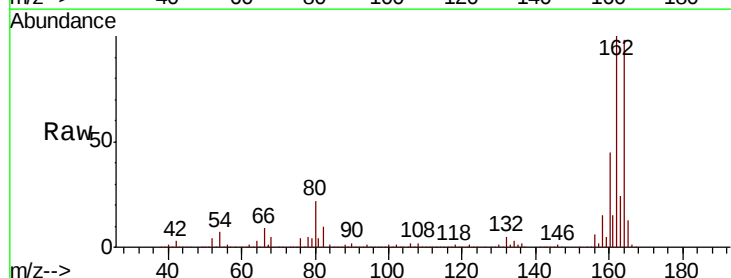
Ion Ratio Lower Upper

165 100

63 1.2 35.5 53.3#

89 1.5 55.2 82.8#

182 0.0 2.2 3.2#

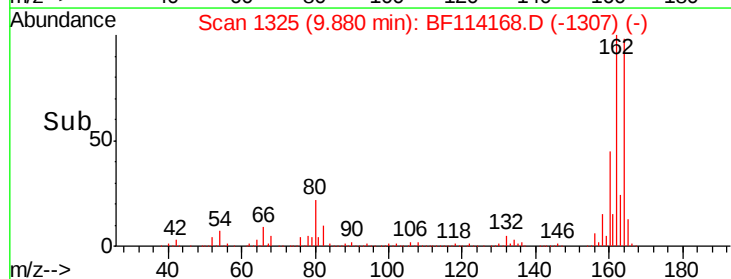
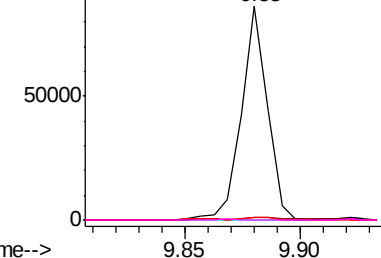


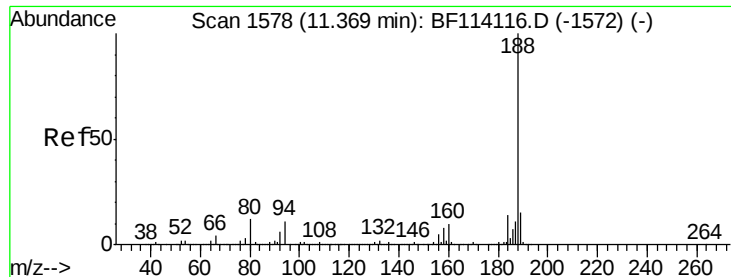
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1824-01

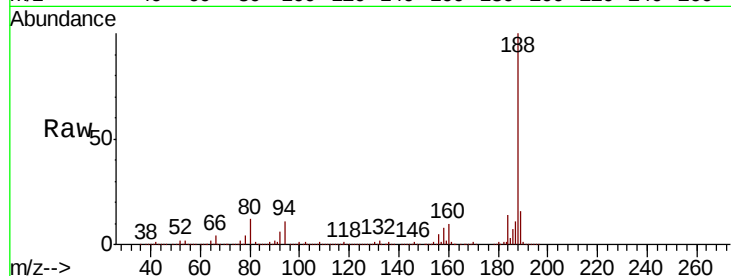
Tgt Ion:188 Resp: 1035778

Ion Ratio Lower Upper

188 100

94 10.9 8.4 12.6

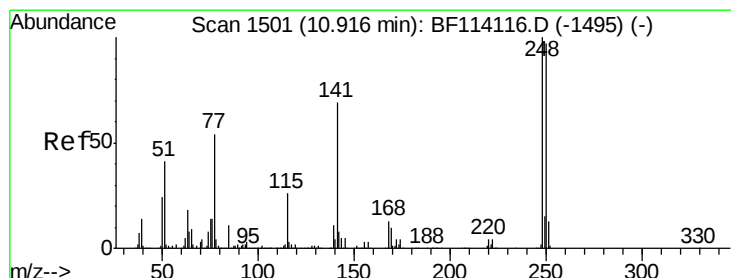
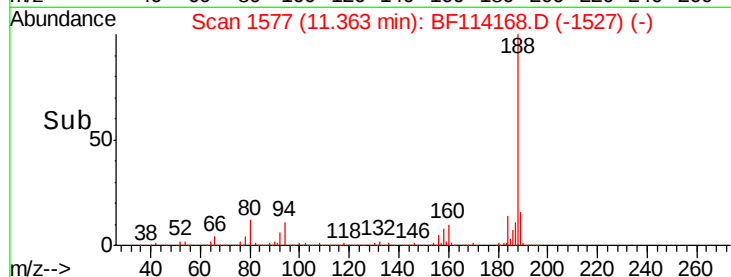
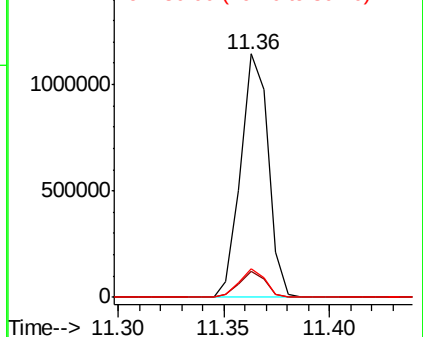
80 11.8 9.2 13.8



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: 3.729 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

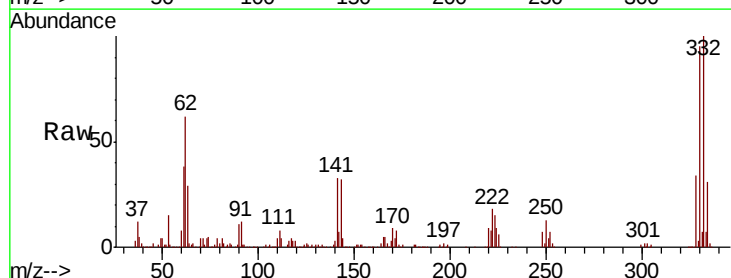
Tgt Ion:248 Resp: 42522

Ion Ratio Lower Upper

248 100

250 195.3 77.4 116.2#

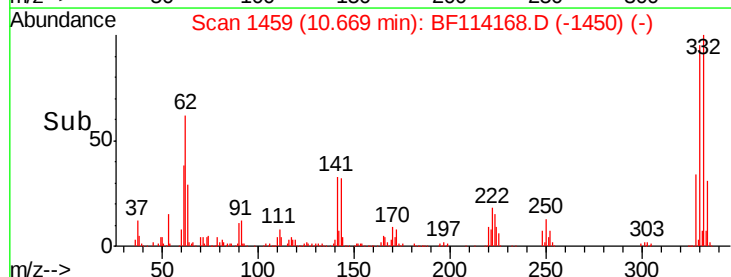
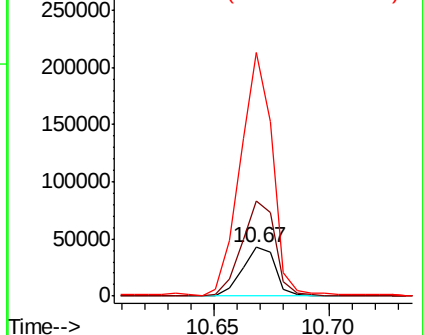
141 496.8 55.6 83.4#

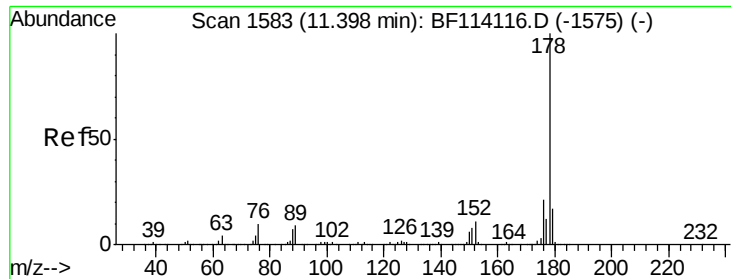


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 12.726 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1824-01

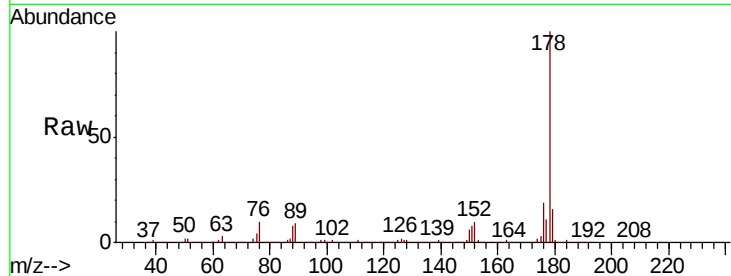
Tgt Ion:178 Resp: 641274

Ion Ratio Lower Upper

178 100

176 19.1 16.4 24.6

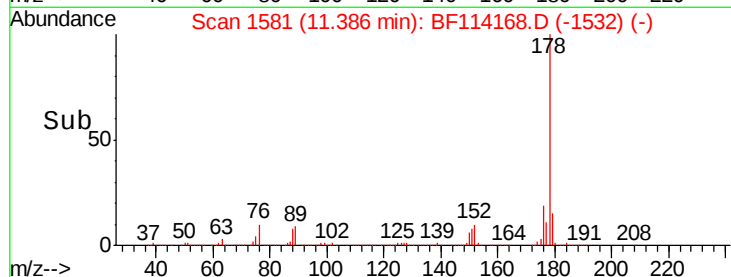
179 15.5 13.2 19.8



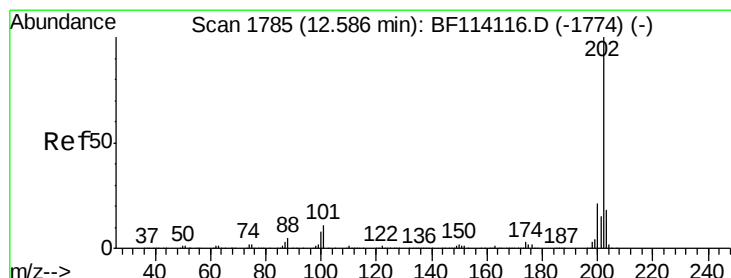
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Fluoranthene

Concen: 16.851 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

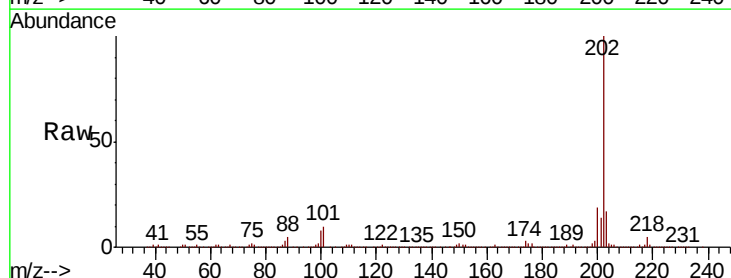
Tgt Ion:202 Resp: 914404

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.0

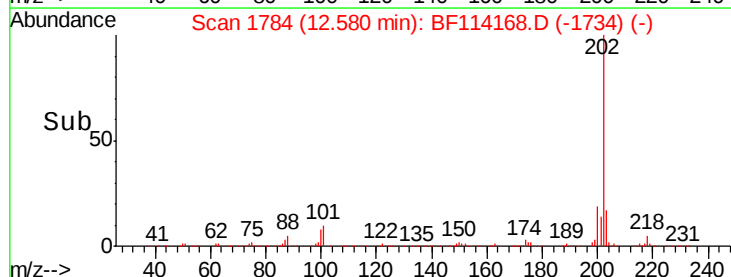
203 17.5 0.0 38.4



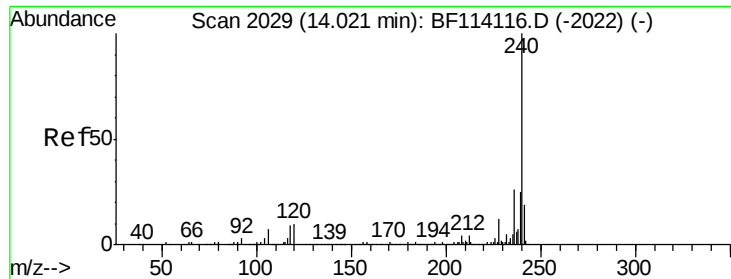
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



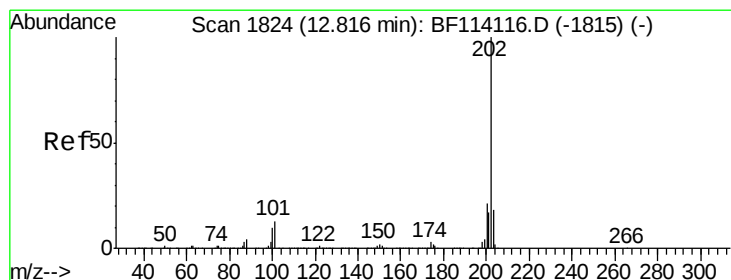
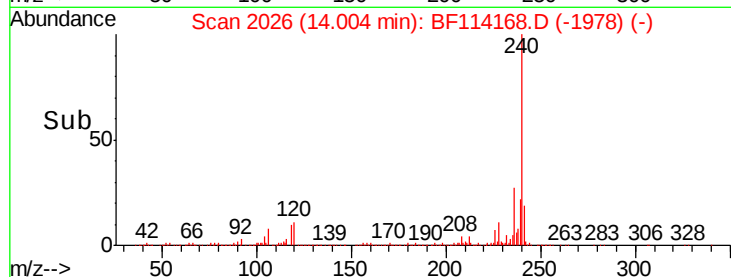
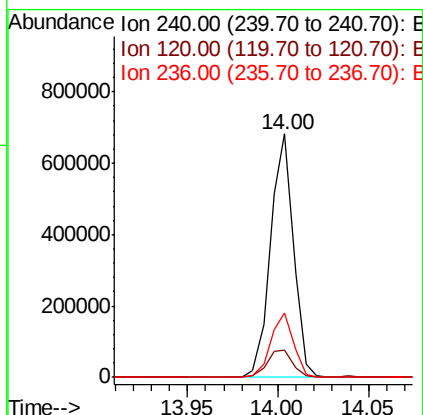
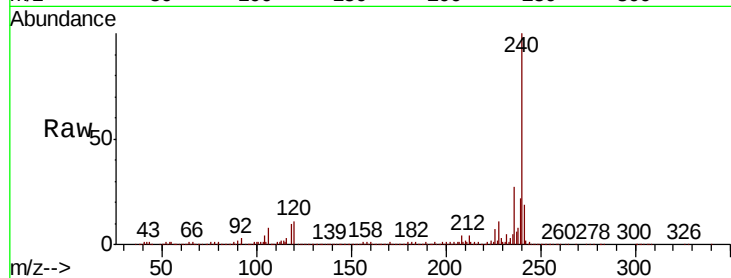
Time-->



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

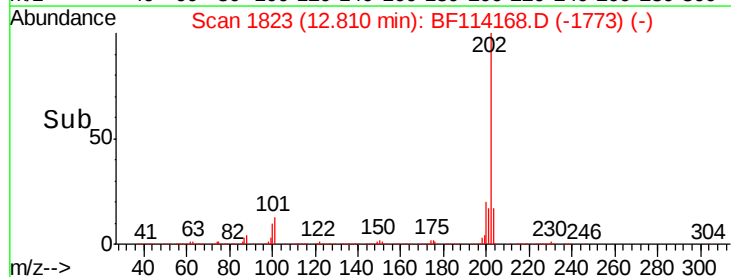
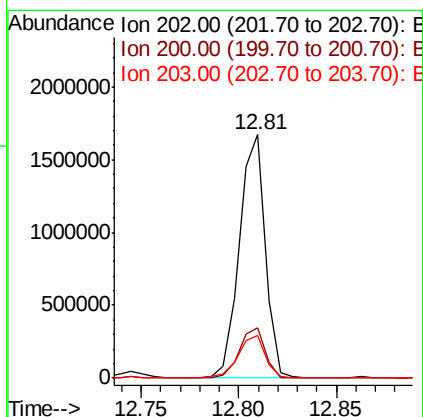
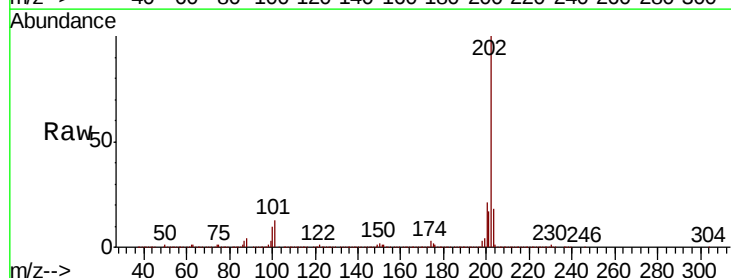
Instrument :
BNA_F
ClientSampleId :
P026-SS002-1824-01

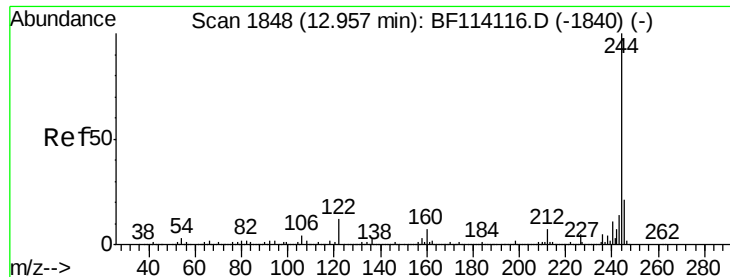
Tgt Ion:240 Resp: 596800
Ion Ratio Lower Upper
240 100
120 11.5 8.3 12.5
236 26.6 20.8 31.2



#78
Pyrene
Concen: 31.957 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Tgt Ion:202 Resp: 1534247
Ion Ratio Lower Upper
202 100
200 20.5 16.9 25.3
203 17.7 14.5 21.7





#79

Terphenyl-d14

Concen: 79.473 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1824-01

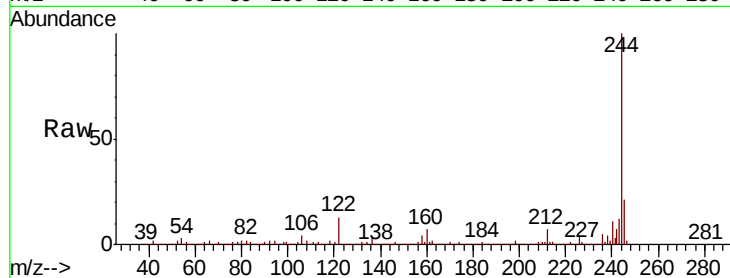
Tgt Ion:244 Resp: 2300810

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

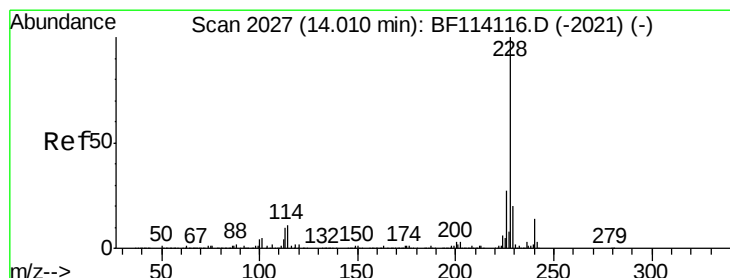
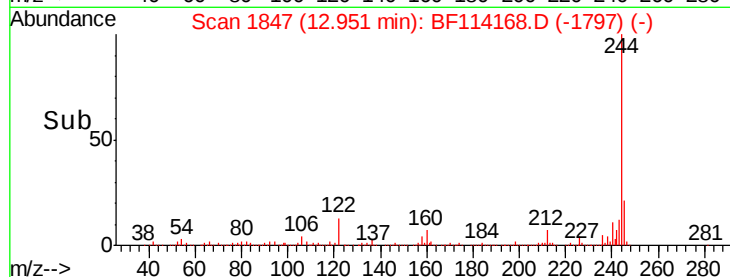
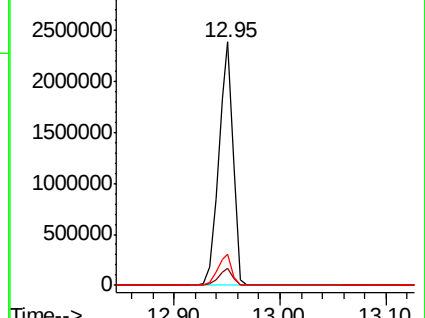
122 13.0 9.4 14.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 14.063 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.02 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

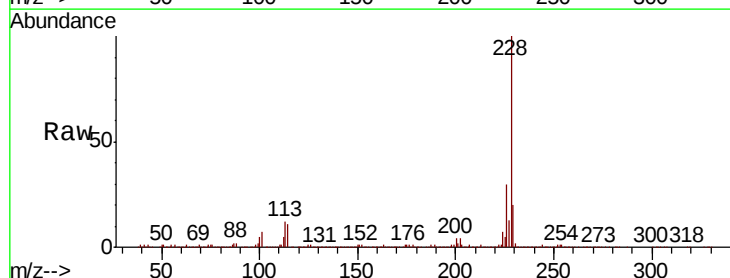
Tgt Ion:228 Resp: 542852

Ion Ratio Lower Upper

228 100

226 30.0 22.2 33.2

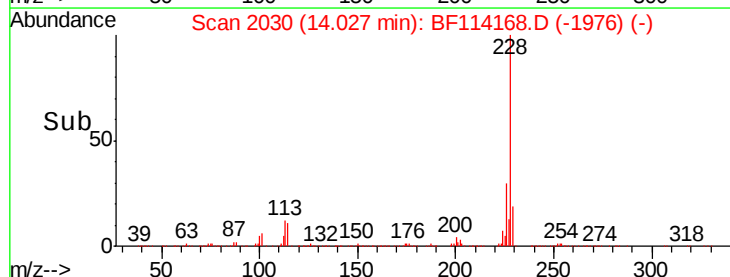
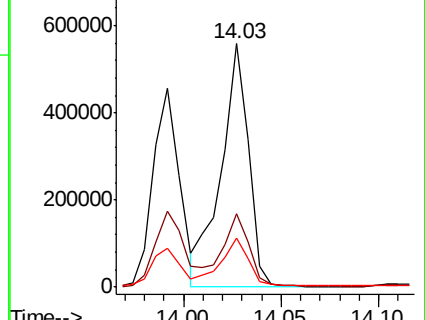
229 20.1 16.4 24.6

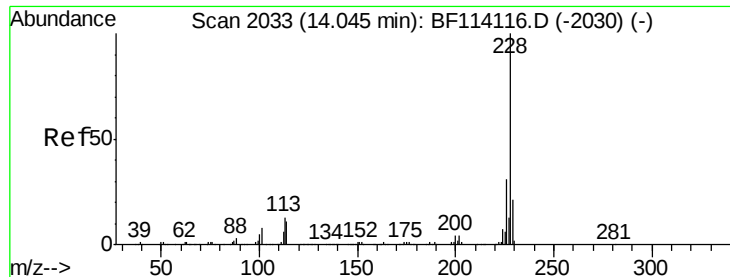


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 14.346 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1824-01

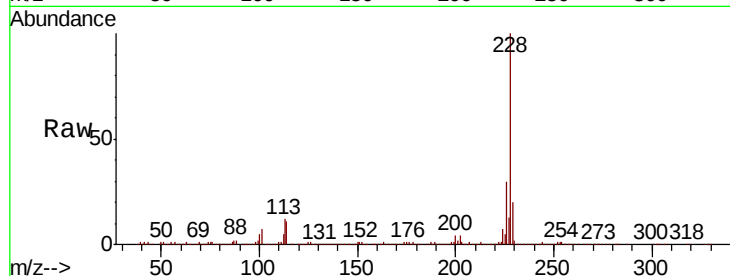
Tgt Ion: 228 Resp: 542852

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

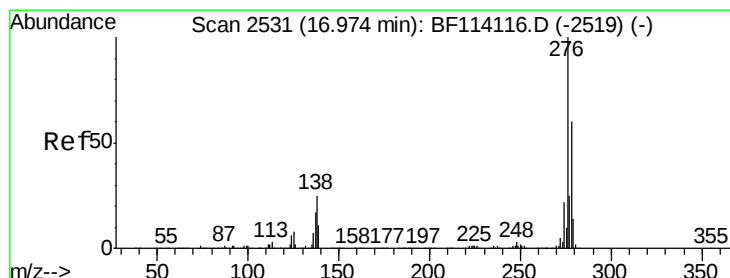
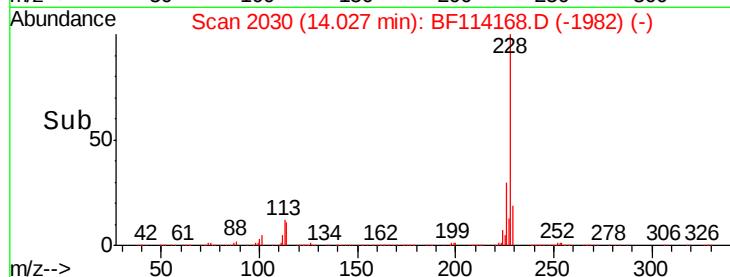
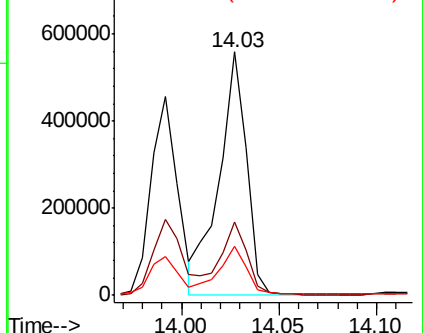
229 20.1 17.0 25.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 9.911 ng

RT: 16.92 min Scan# 2522

Delta R.T. -0.05 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

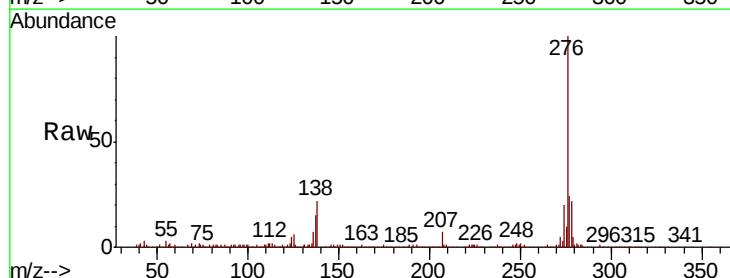
Tgt Ion: 276 Resp: 331457

Ion Ratio Lower Upper

276 100

138 22.8 20.2 30.2

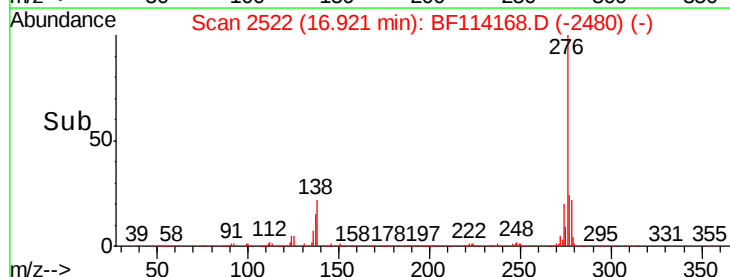
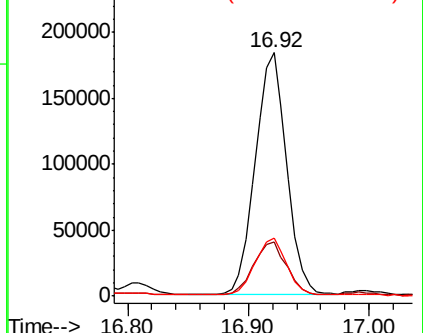
277 23.7 20.0 30.0

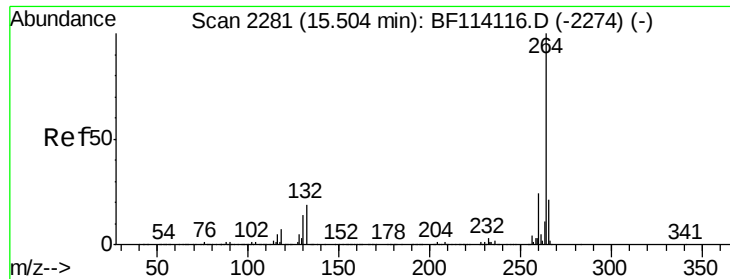


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

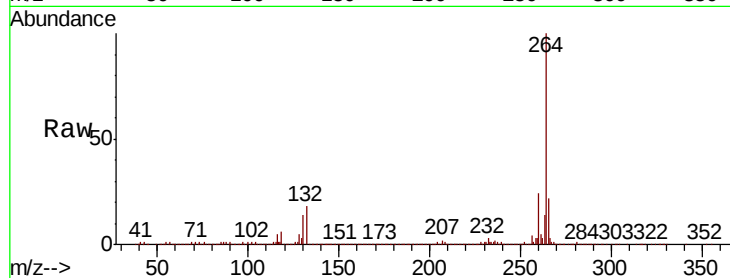




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.04 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

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

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

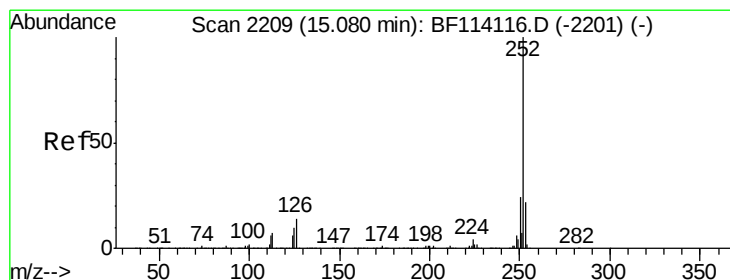
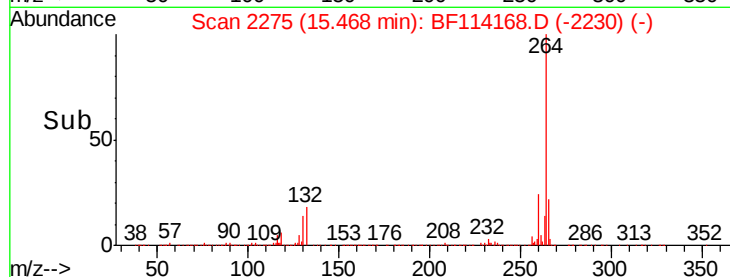
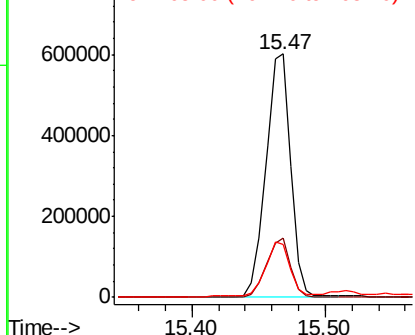


Abundance

Ion 264.00 (263.70 to 264.70): E

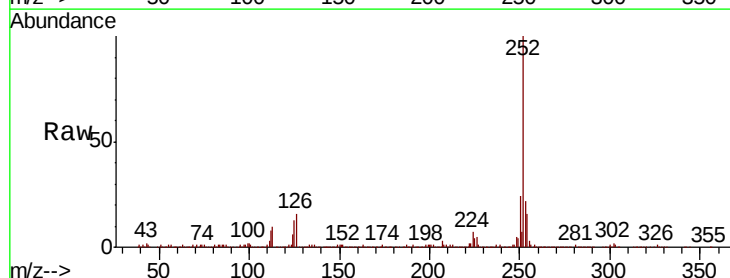
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 15.248 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	12.9	8.3	12.5#

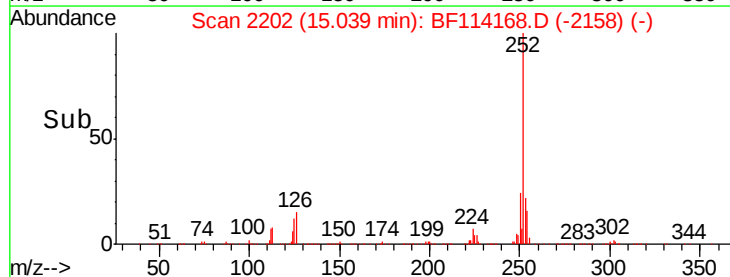
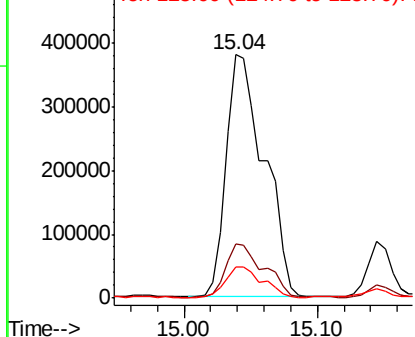


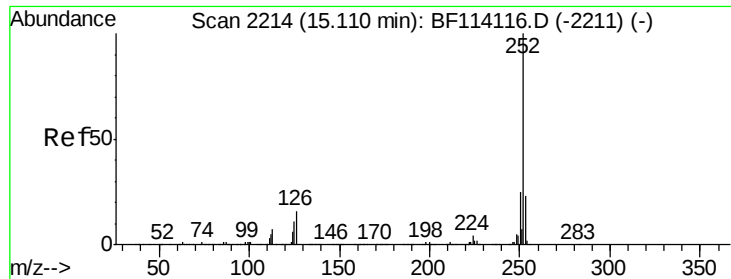
Abundance

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

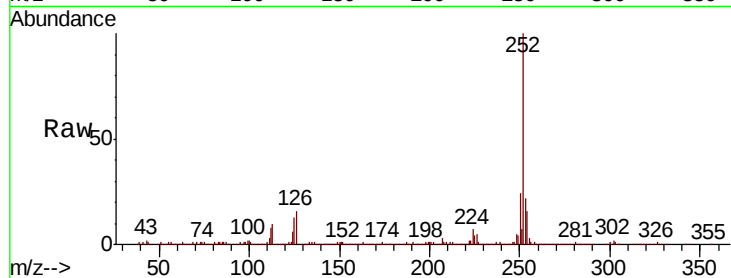




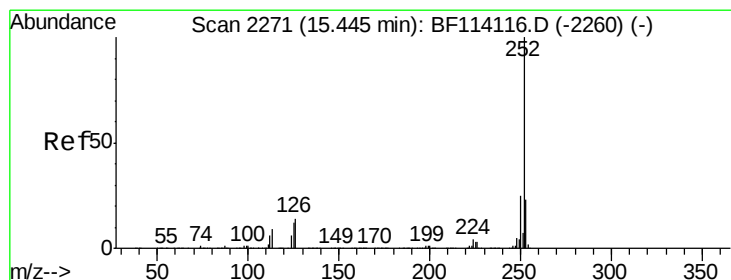
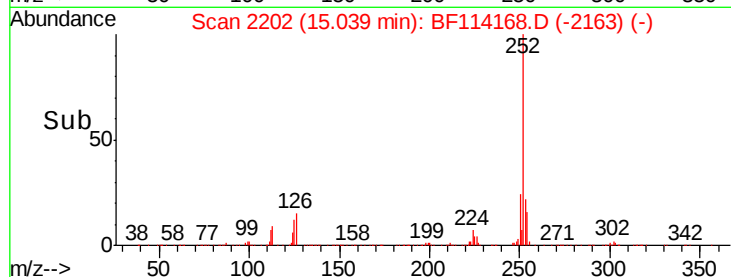
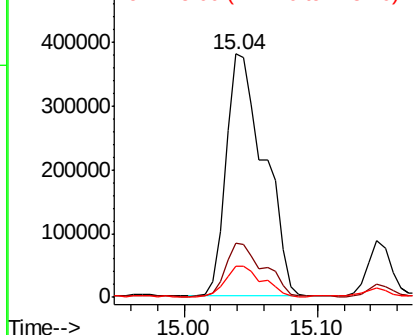
#89
Benzo(k)fluoranthene
Concen: 16.599 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.07 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

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

Tgt Ion:252 Resp: 757549
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.2
125 12.9 8.6 13.0

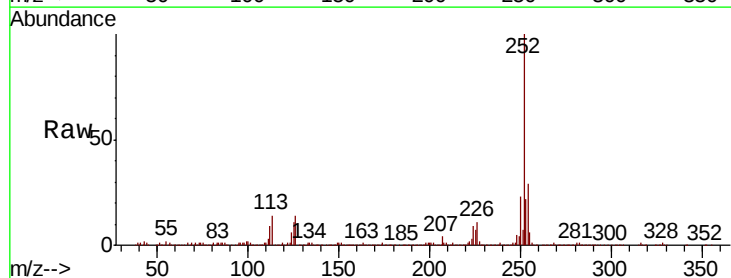


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

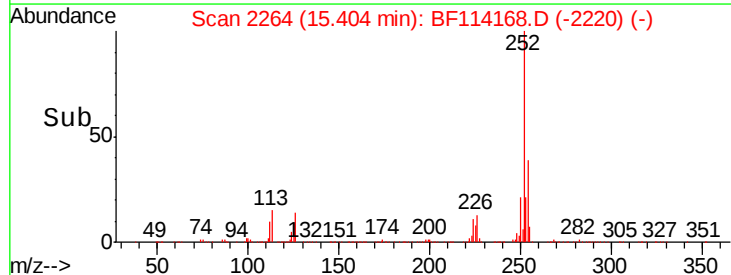
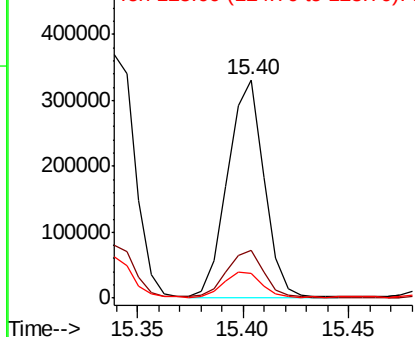


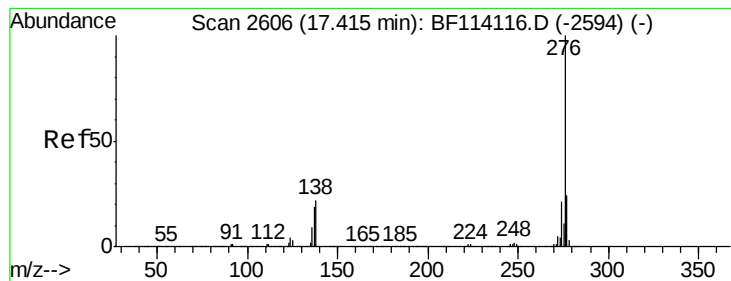
#90
Benzo(a)pyrene
Concen: 8.986 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.04 min
Lab File: BF114168.D
Acq: 11 May 2019 22:14

Tgt Ion:252 Resp: 392905
Ion Ratio Lower Upper
252 100
253 21.6 18.1 27.1
125 11.1 9.5 14.3



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





#92

Benzo(g,h,i)perylene

Concen: 10.942 ng

RT: 17.36 min Scan# 2597

Delta R.T. -0.05 min

Lab File: BF114168.D

Acq: 11 May 2019 22:14

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1824-01

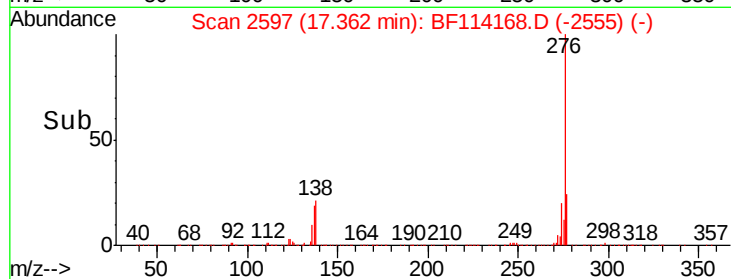
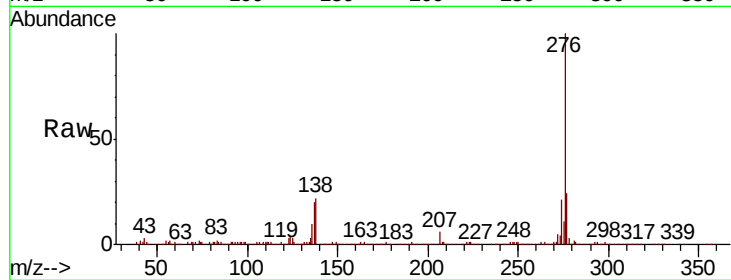
Tgt Ion: 276 Resp: 398438

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 21.8 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

