

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116407.D
 Acq On : 20 Aug 2019 00:11
 Operator : HP/JU
 Sample : K4238-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-18

Quant Time: Aug 20 01:44:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	102058	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	399647	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	216725	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	396103	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	265888	20.00	ng	-0.02
87) Perylene-d12	15.42	264	278291	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	846009	138.77	ng	0.00
7) Phenol-d6	6.45	99	1103259	143.43	ng	-0.01
23) Nitrobenzene-d5	7.37	82	704372	101.74	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	307830	146.50	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	1141360	98.64	ng	-0.01
79) Terphenyl-d14	12.90	244	1326445	105.12	ng	-0.01

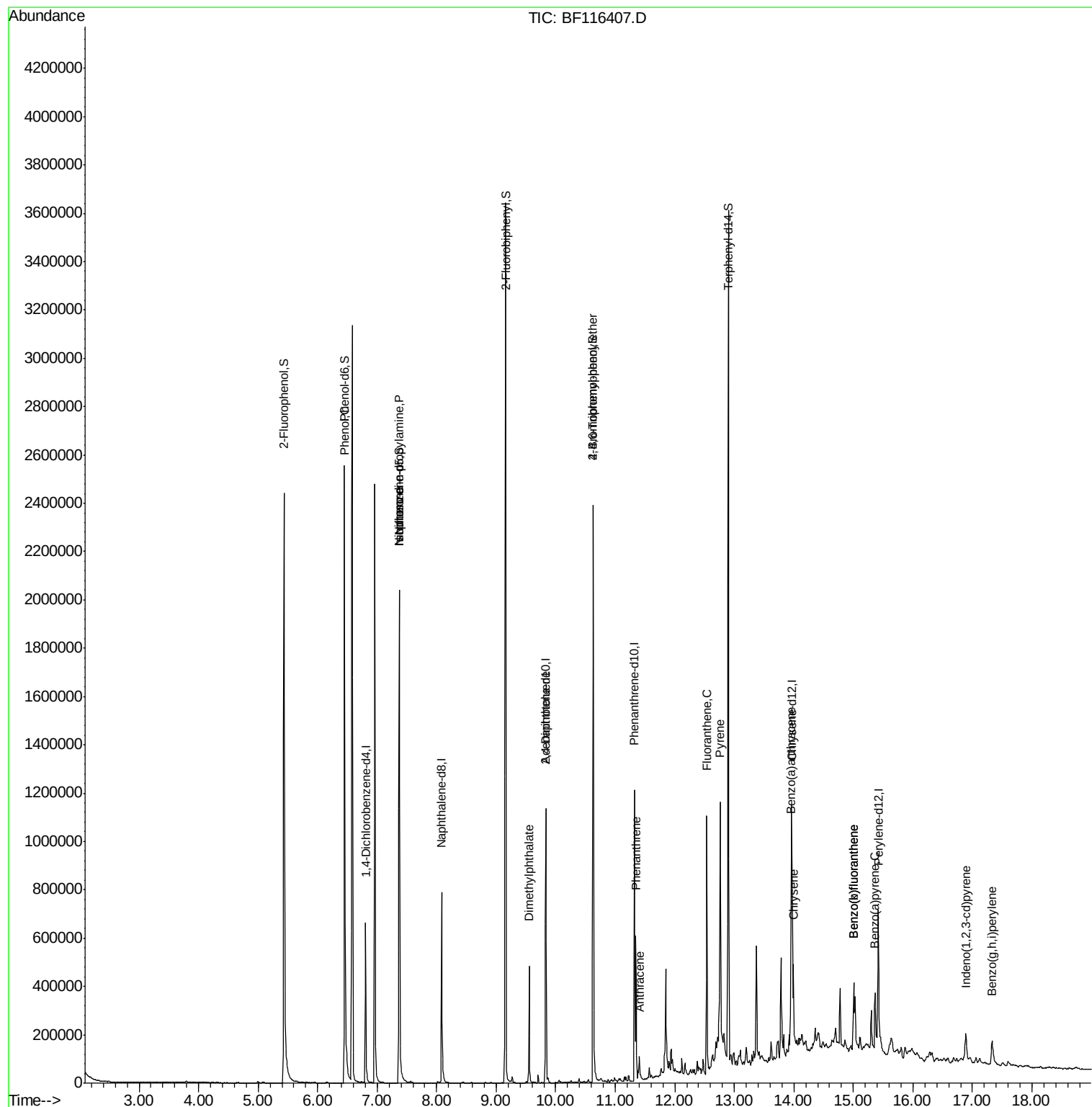
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	27768	3.066	ng	# 73
19) n-Nitroso-di-n-propylamine	7.37	70	93155	19.544	ng	# 80
25) Isophorone	7.37	82	704372	53.205	ng	# 65
50) Dimethylphthalate	9.55	163	195476	13.247	ng	99
57) 2,4-Dinitrotoluene	9.83	165	27524	6.446	ng	# 20
67) 4-Bromophenyl-phenylether	10.63	248	18975	4.475	ng	# 1
71) Phenanthrene	11.35	178	219864	10.858	ng	99
72) Anthracene	11.40	178	43673	2.131	ng	98
75) Fluoranthene	12.53	202	411815	19.426	ng	98
78) Pyrene	12.76	202	363996	18.161	ng	99
81) Benzo(a)anthracene	13.95	228	151098	8.891	ng	98
83) Chrysene	13.99	228	132462	8.028	ng	98
86) Indeno(1,2,3-cd)pyrene	16.89	276	88889	6.414	ng	92
88) Benzo(b)fluoranthene	15.00	252	207698	12.908	ng	96
89) Benzo(k)fluoranthene	15.00	252	207698	13.252	ng	# 96
90) Benzo(a)pyrene	15.36	252	114617	7.968	ng	99
92) Benzo(g,h,i)perylene	17.33	276	80567	6.589	ng	98

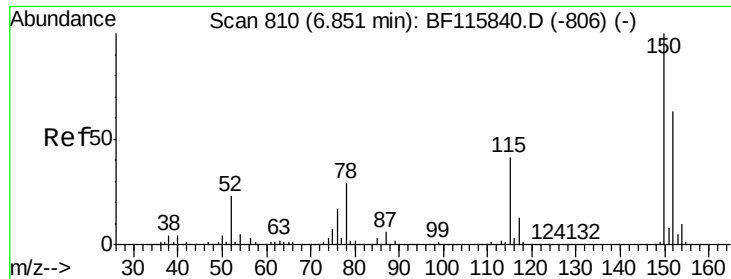
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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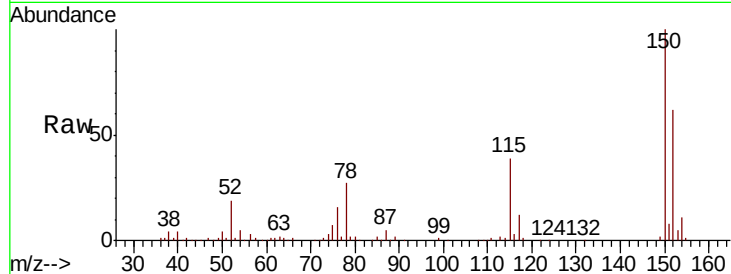


#1

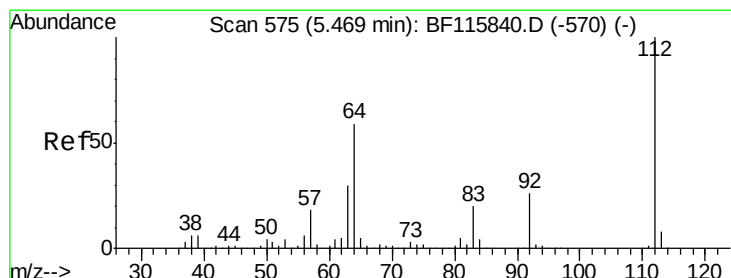
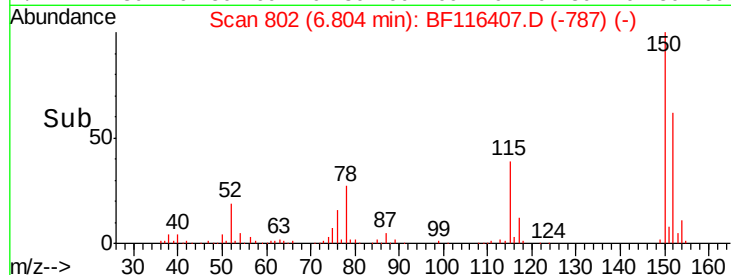
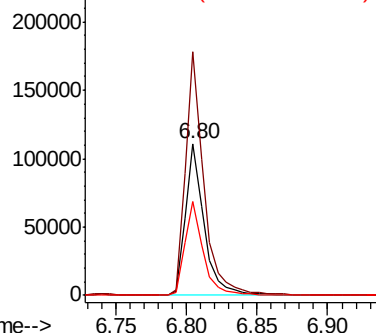
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Instrument :
BNA_F
ClientSampled :
TP-18

Tgt Ion:152 Resp: 102058
Ion Ratio Lower Upper
152 100
150 160.3 126.2 189.2
115 61.8 49.9 74.9



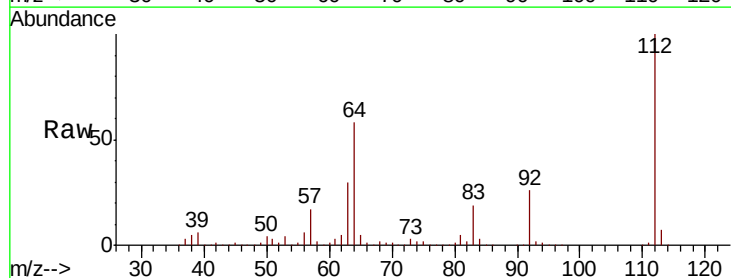
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



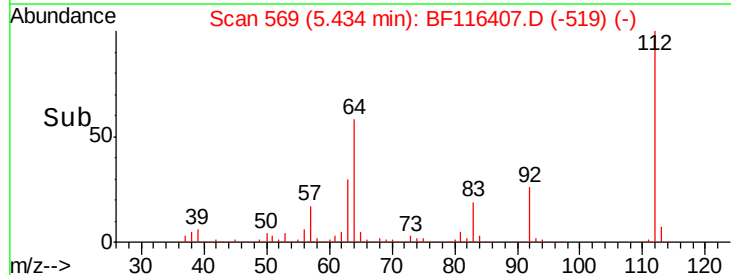
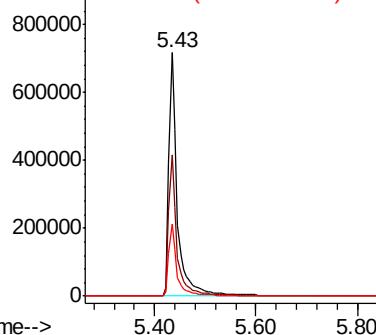
#5

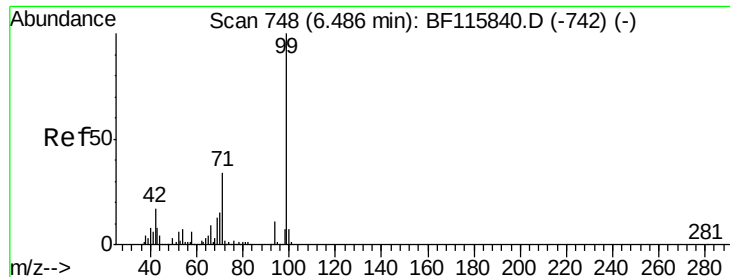
2-Fluorophenol
Concen: 138.771 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Tgt Ion:112 Resp: 846009
Ion Ratio Lower Upper
112 100
64 57.8 45.4 68.2
63 29.7 23.7 35.5



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: 143.435 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Instrument :

BNA_F

ClientSampleId :

TP-18

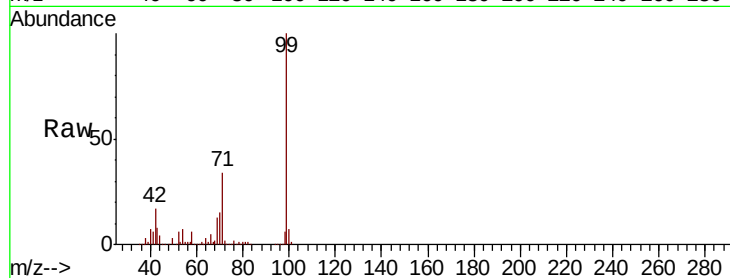
Tgt Ion: 99 Resp: 1103259

Ion Ratio Lower Upper

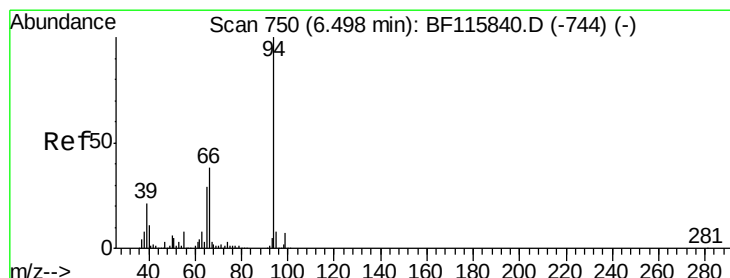
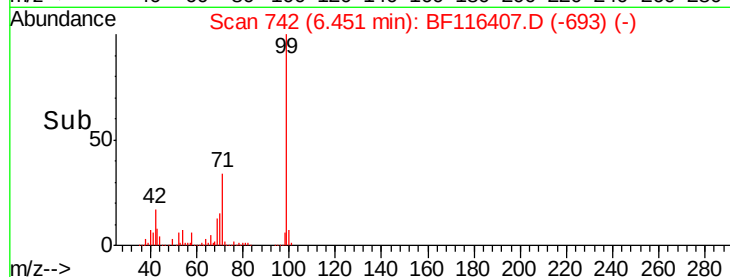
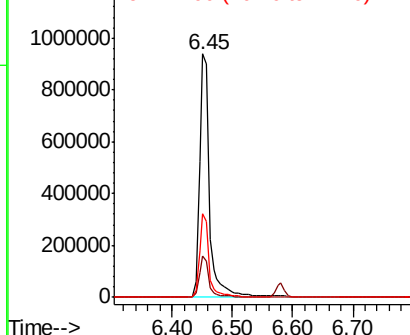
99 100

42 17.1 13.8 20.8

71 34.3 27.3 40.9



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



#10

Phenol

Concen: 3.066 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

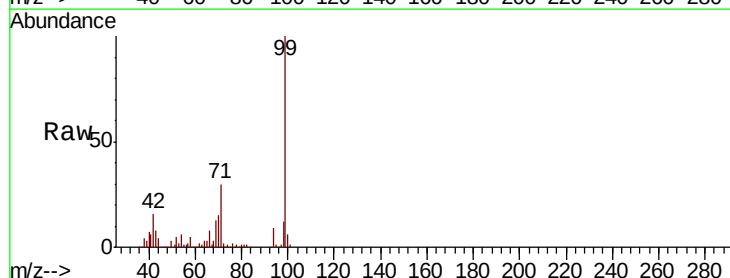
Tgt Ion: 94 Resp: 27768

Ion Ratio Lower Upper

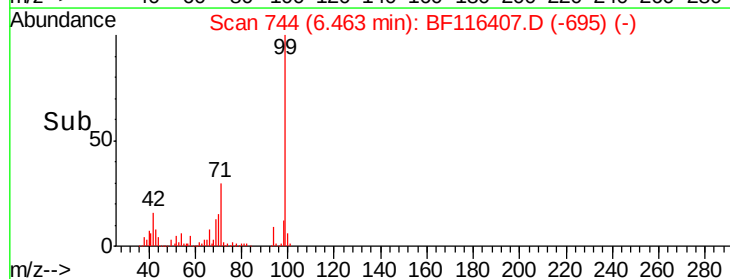
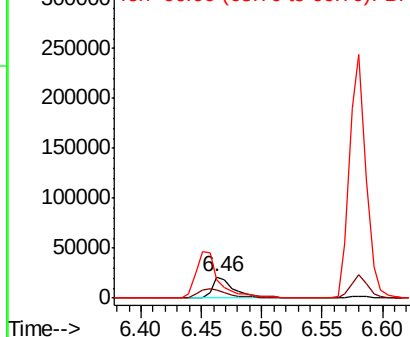
94 100

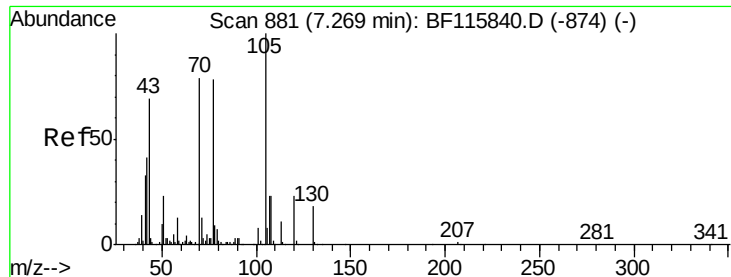
65 36.9 16.8 56.8

66 86.3 34.2 74.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

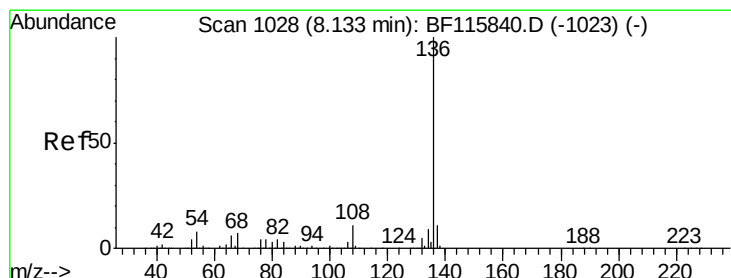
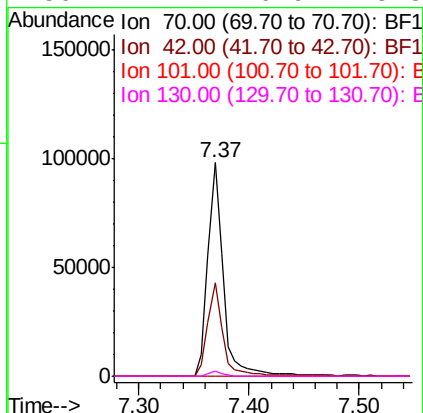
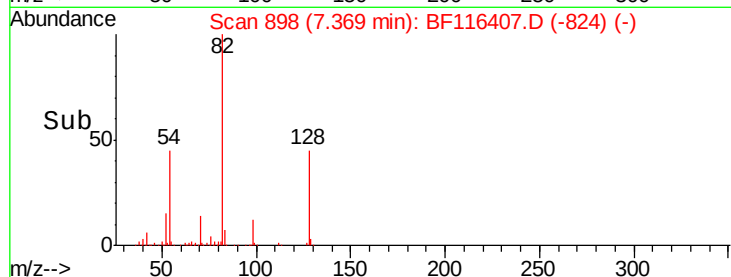
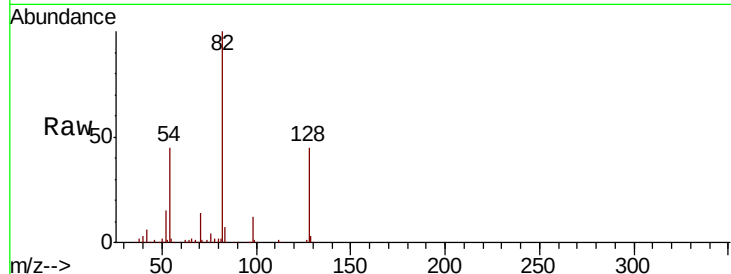




#19
n-Nitroso-di-n-propylamine
Concen: 19.544 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

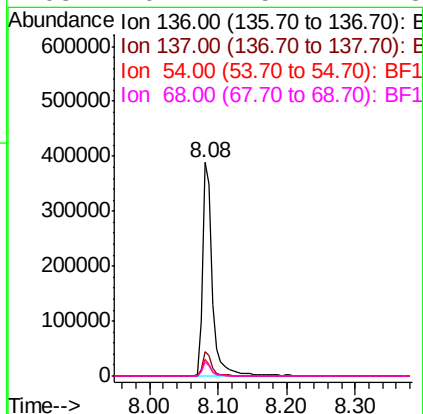
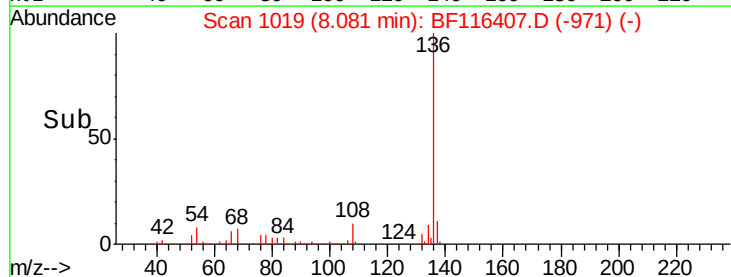
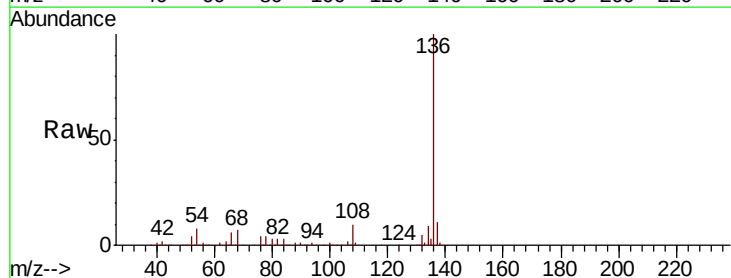
Instrument :
BNA_F
ClientSampleId :
TP-18

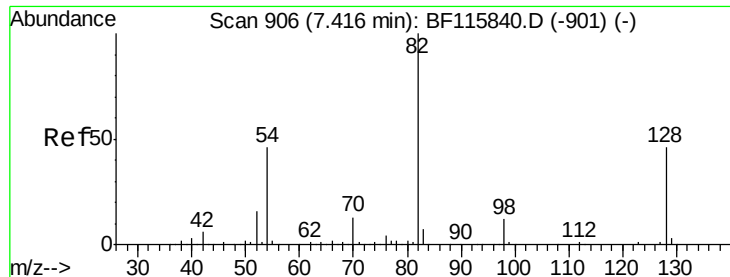
Tgt Ion: 70 Resp: 93155
Ion Ratio Lower Upper
70 100
42 43.7 40.9 61.3
101 0.0 7.9 11.9#
130 2.4 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Tgt Ion: 136 Resp: 399647
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 7.6 5.8 8.6
68 6.7 5.2 7.8

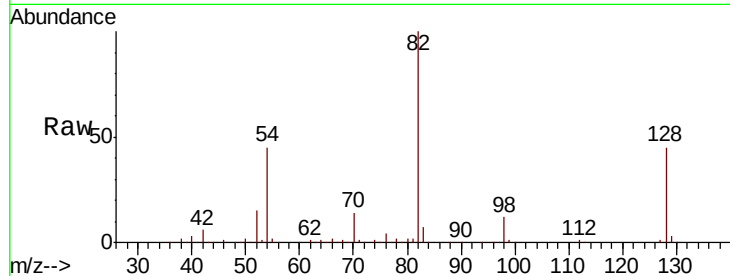




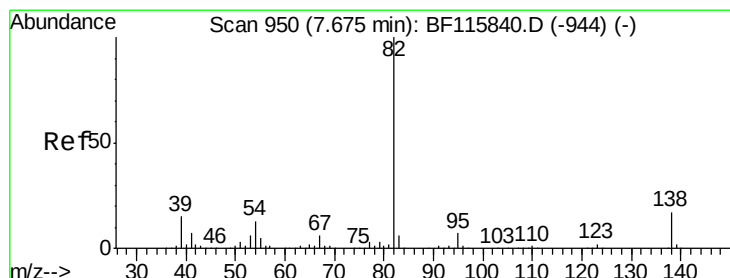
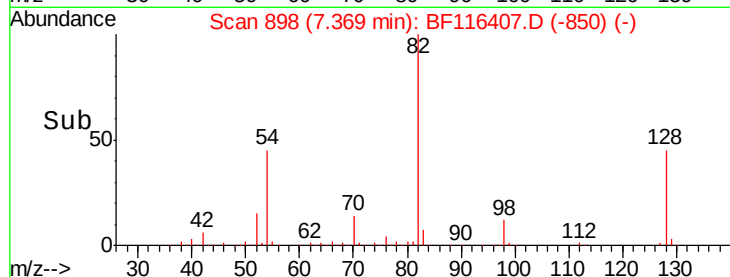
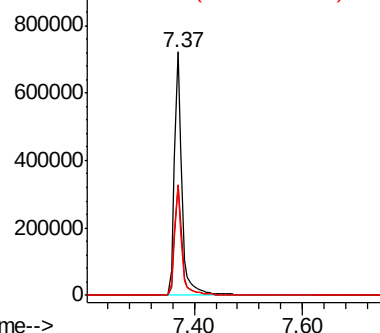
#23
 Nitrobenzene-d5
 Concen: 101.736 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF116407.D
 Acq: 20 Aug 2019 00:11

Instrument :
 BNA_F
 ClientSampleID :
 TP-18

Tgt Ion: 82 Resp: 704372
 Ion Ratio Lower Upper
 82 100
 128 45.4 36.5 54.7
 54 45.3 36.0 54.0

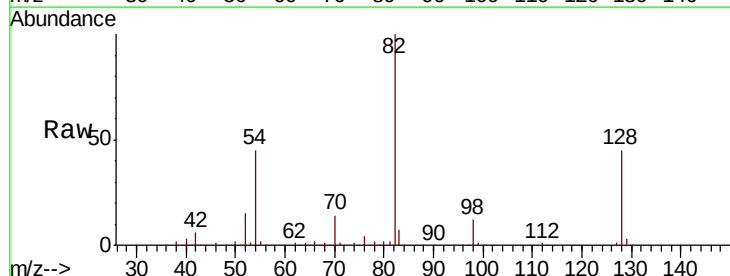


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

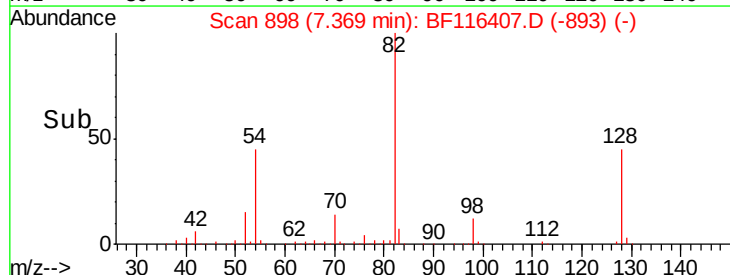
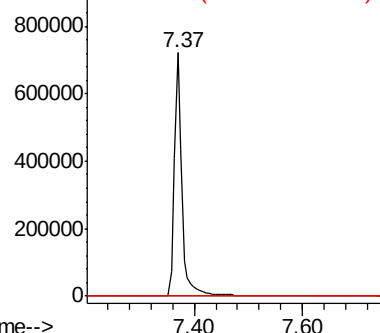


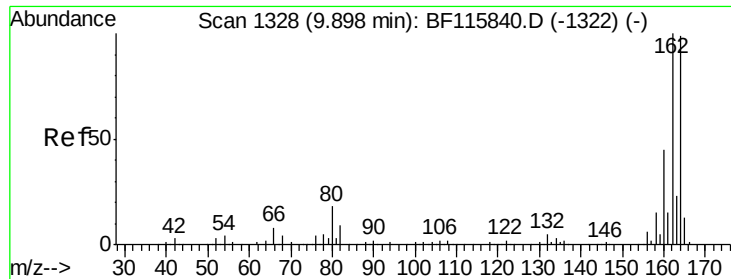
#25
 Isophorone
 Concen: 53.205 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.27 min
 Lab File: BF116407.D
 Acq: 20 Aug 2019 00:11

Tgt Ion: 82 Resp: 704372
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 14.5 21.7#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Instrument :

BNA_F

ClientSampleId :

TP-18

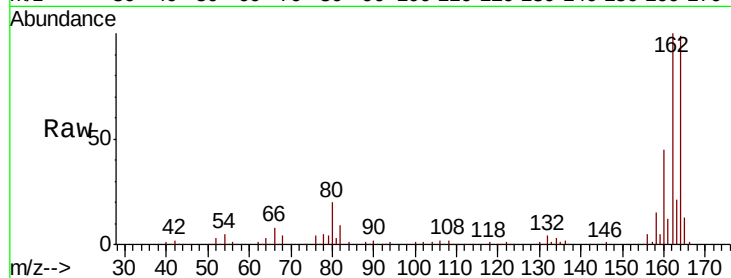
Tgt Ion:164 Resp: 216725

Ion Ratio Lower Upper

164 100

162 101.5 82.6 124.0

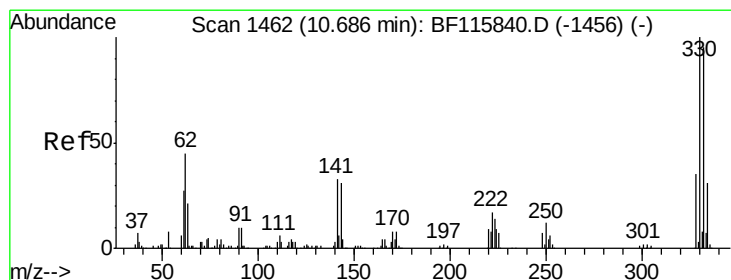
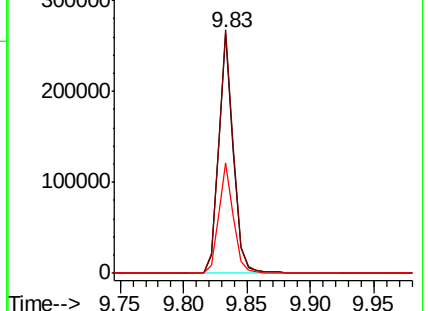
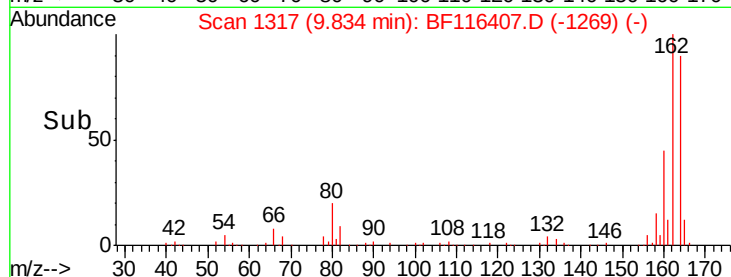
160 45.9 37.6 56.4



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: 146.501 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

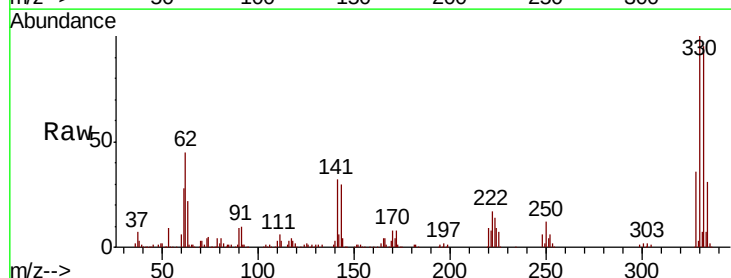
Tgt Ion:330 Resp: 307830

Ion Ratio Lower Upper

330 100

332 96.5 76.8 115.2

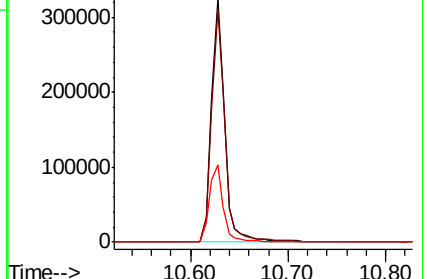
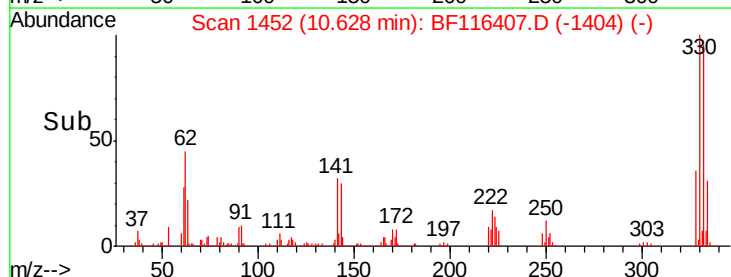
141 33.8 26.3 39.5

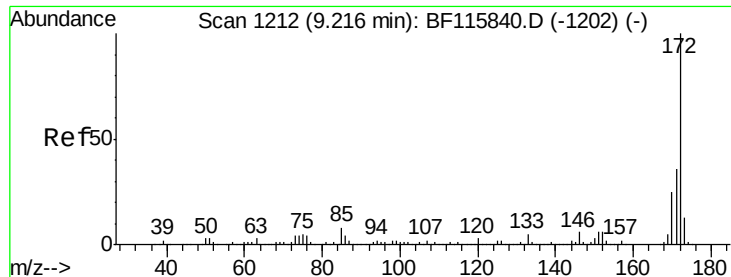


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

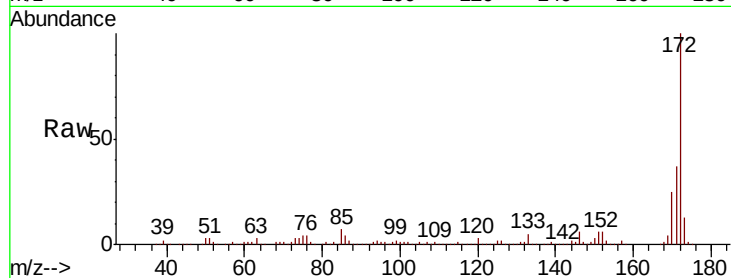




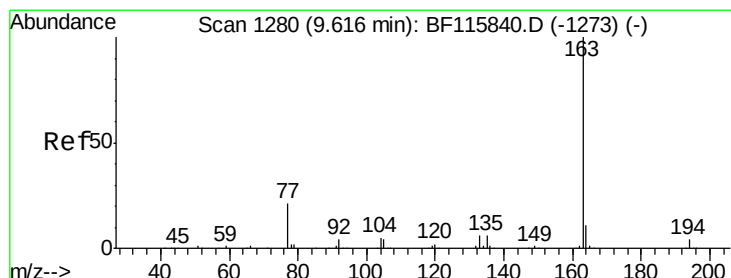
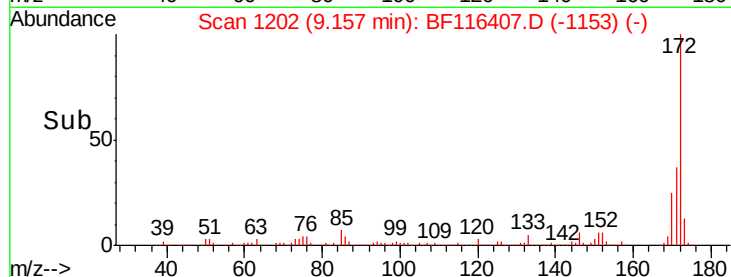
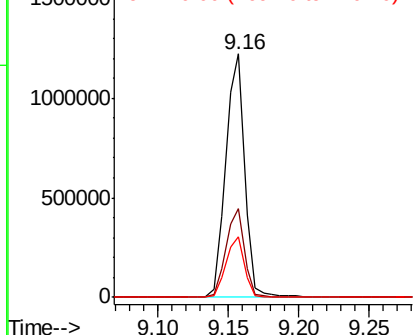
#45
 2-Fluorobiphenyl
 Concen: 98.644 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF116407.D
 Acq: 20 Aug 2019 00:11

Instrument :
 BNA_F
 ClientSampleId :
 TP-18

Tgt Ion:172 Resp: 1141360
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.8 20.1 30.1

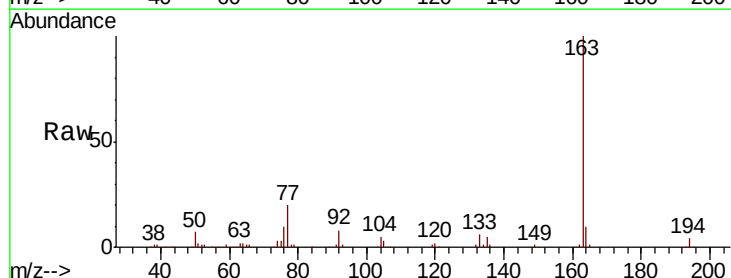


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

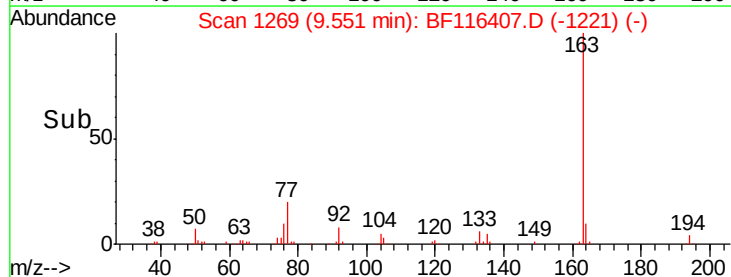
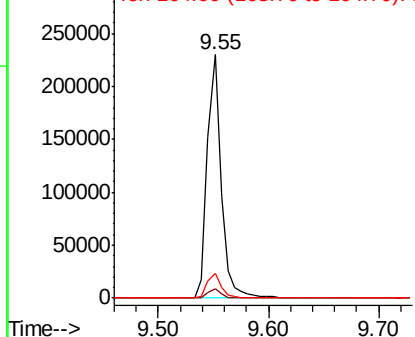


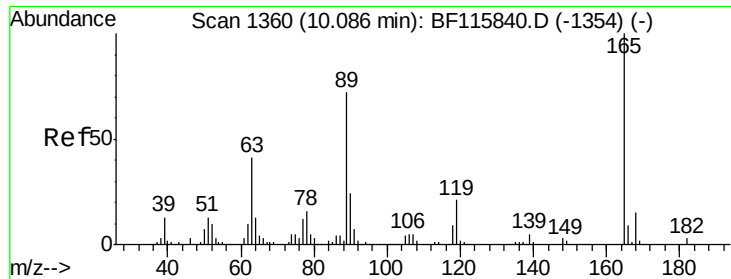
#50
 Dimethylphthalate
 Concen: 13.247 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: BF116407.D
 Acq: 20 Aug 2019 00:11

Tgt Ion:163 Resp: 195476
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.0 4.6
 164 9.9 8.4 12.6



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: 6.446 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.22 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Instrument :

BNA_F

ClientSampled :

TP-18

Tgt Ion:165 Resp: 27524

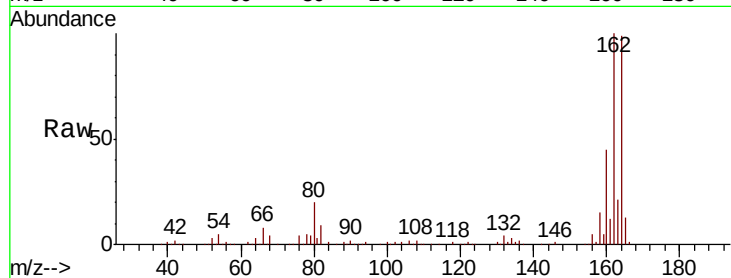
Ion Ratio Lower Upper

165 100

63 1.1 39.6 59.4#

89 1.6 62.2 93.2#

182 0.0 2.1 3.1#

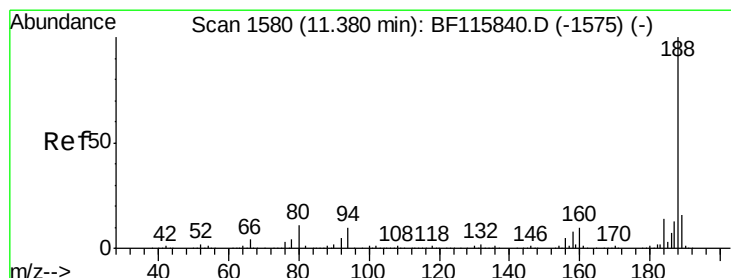
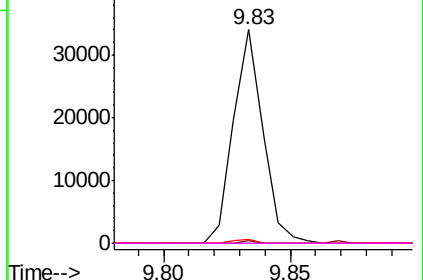
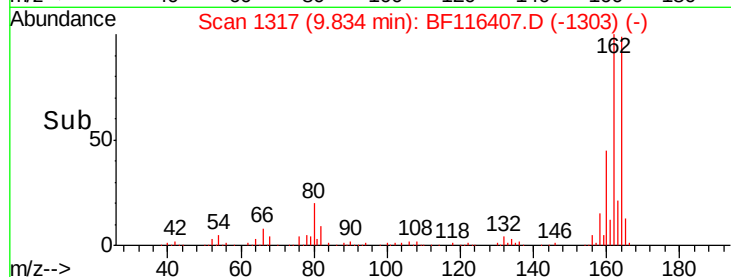


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

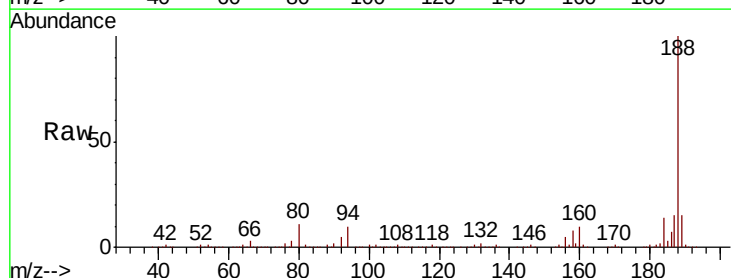
Tgt Ion:188 Resp: 396103

Ion Ratio Lower Upper

188 100

94 9.5 8.1 12.1

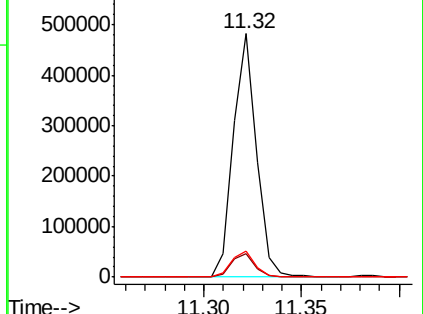
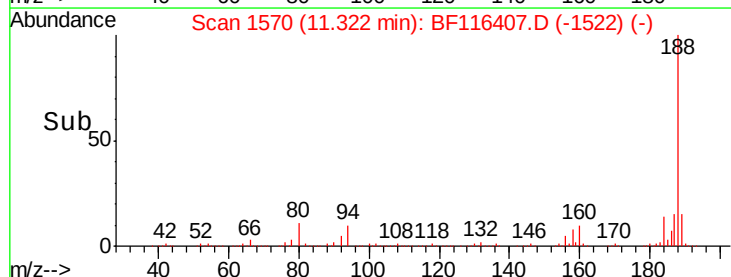
80 10.6 8.7 13.1

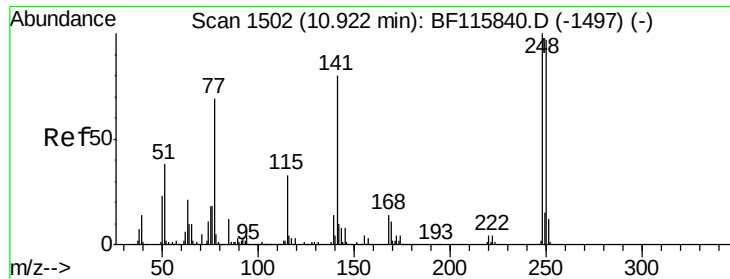


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

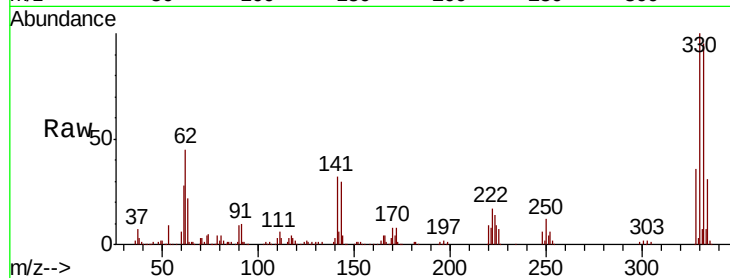




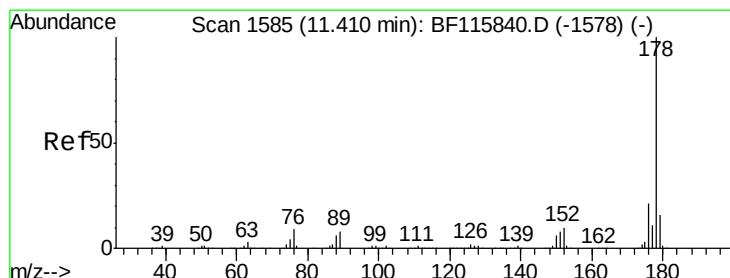
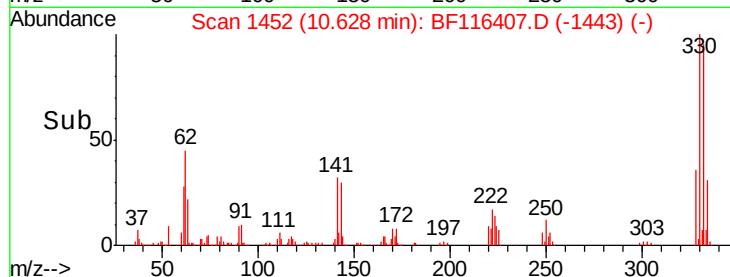
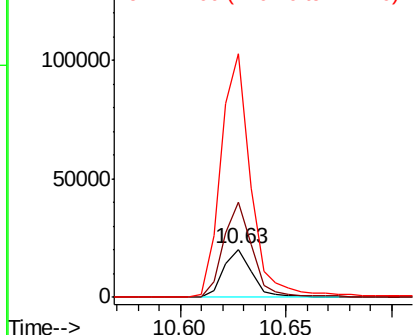
#67
 4-Bromophenyl-phenylether
 Concen: 4.475 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF116407.D
 Acq: 20 Aug 2019 00:11

Instrument :
 BNA_F
 ClientSampleId :
 TP-18

Tgt Ion: 248 Resp: 18975
 Ion Ratio Lower Upper
 248 100
 250 198.5 77.4 116.2#
 141 506.3 56.8 85.2#

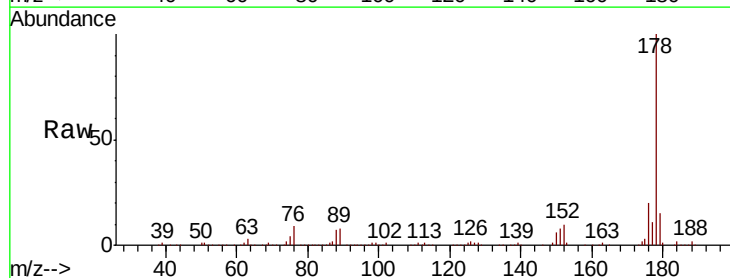


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

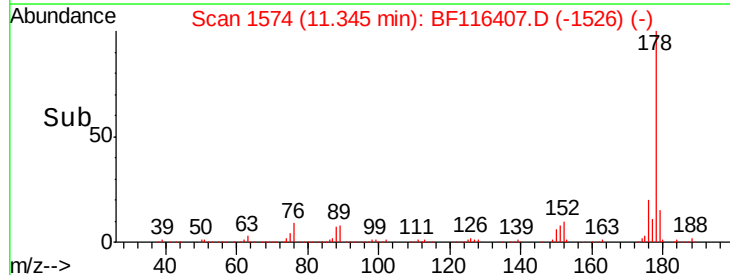
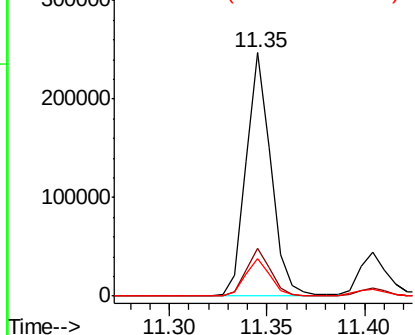


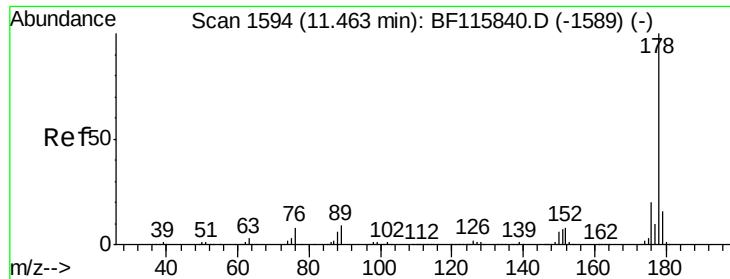
#71
 Phenanthrene
 Concen: 10.858 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BF116407.D
 Acq: 20 Aug 2019 00:11

Tgt Ion: 178 Resp: 219864
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.6 24.8
 179 15.3 12.5 18.7



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

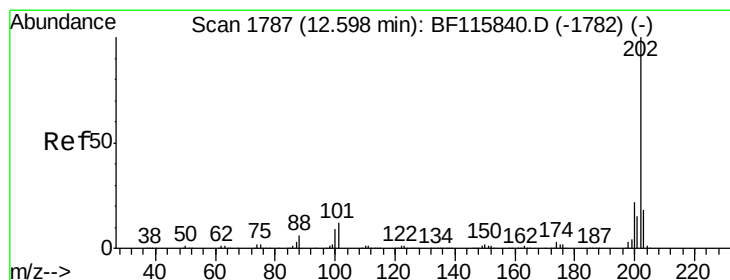
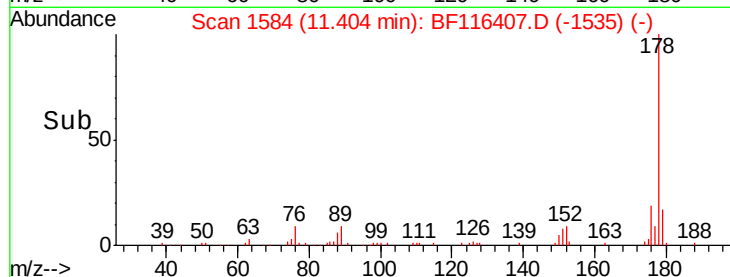
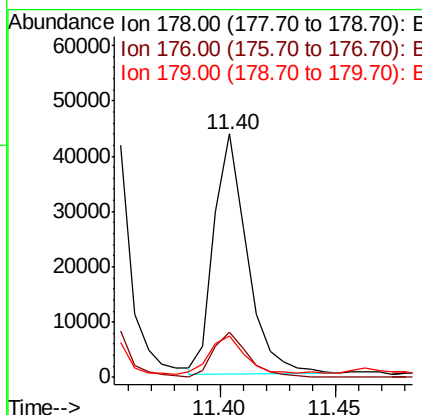
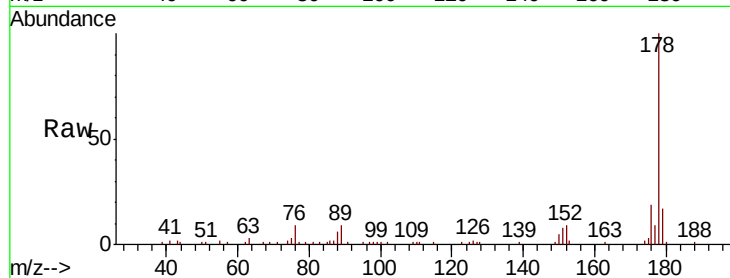




#72
 Anthracene
 Concen: 2.131 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF116407.D
 Acq: 20 Aug 2019 00:11

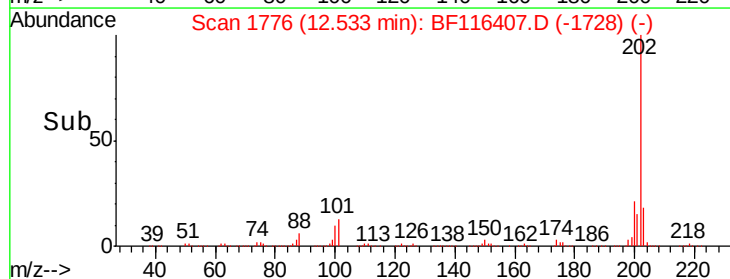
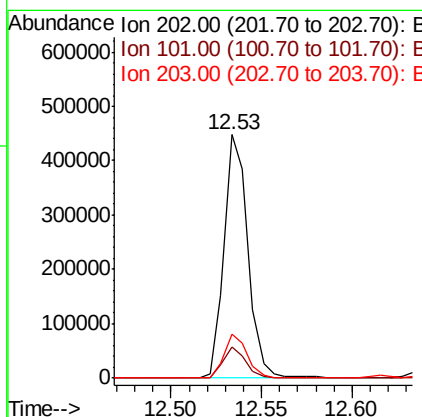
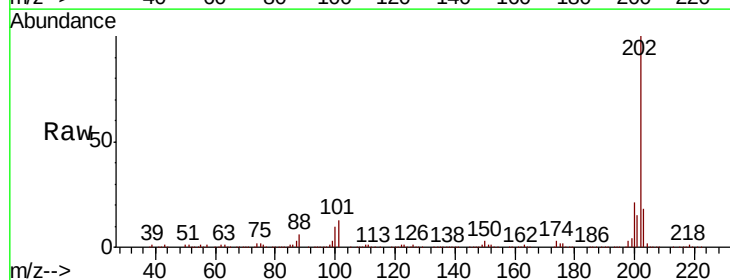
Instrument :
 BNA_F
 ClientSampleId :
 TP-18

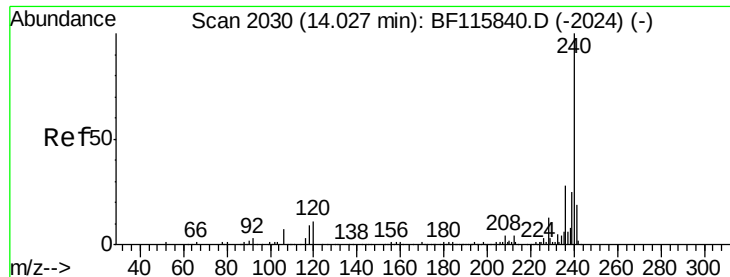
Tgt Ion:178 Resp: 43673
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.7 23.5
 179 16.8 13.0 19.6



#75
 Fluoranthene
 Concen: 19.426 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.02 min
 Lab File: BF116407.D
 Acq: 20 Aug 2019 00:11

Tgt Ion:202 Resp: 411815
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 31.2
 203 18.1 0.0 37.8

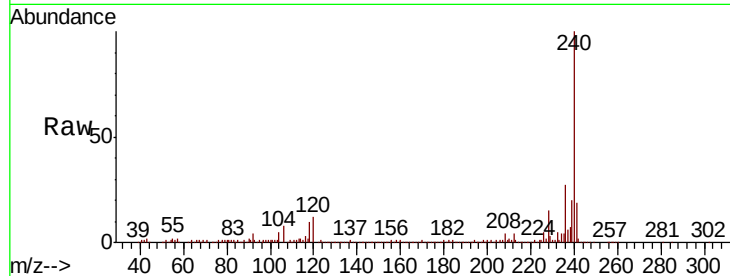




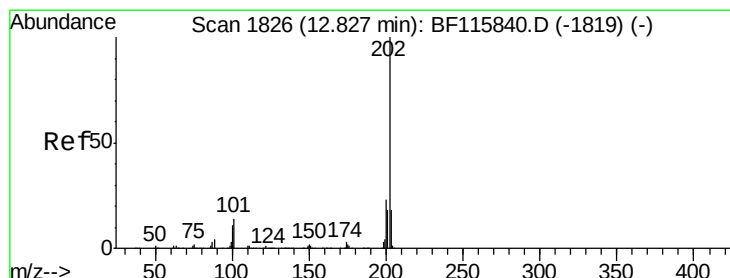
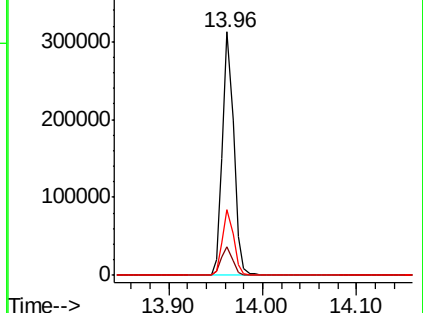
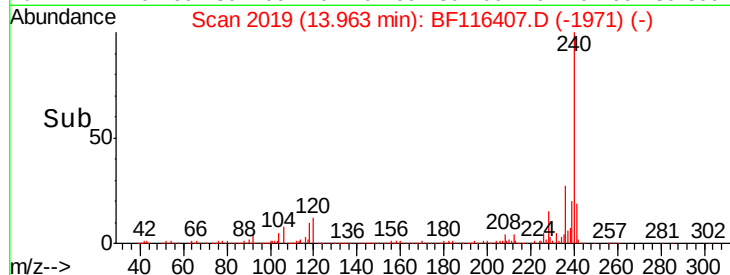
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Instrument :
BNA_F
ClientSampleId :
TP-18

Tgt Ion:240 Resp: 265888
Ion Ratio Lower Upper
240 100
120 12.0 10.7 16.1
236 26.9 22.2 33.2

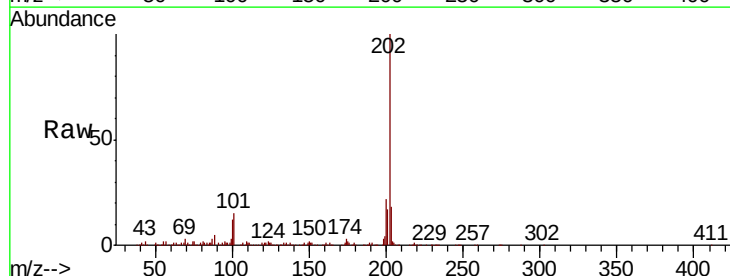


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

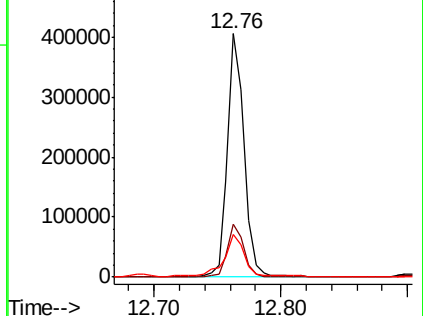
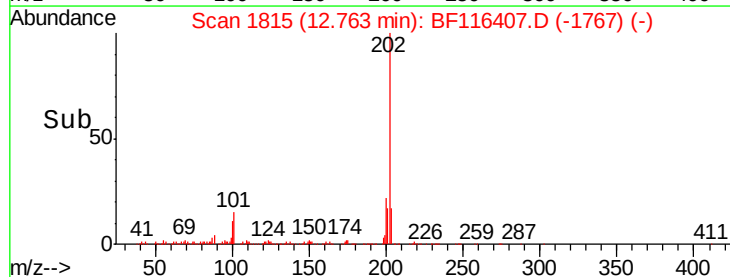


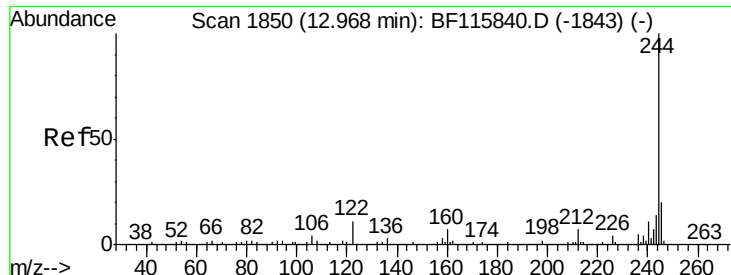
#78
Pyrene
Concen: 18.161 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BF116407.D
Acq: 20 Aug 2019 00:11

Tgt Ion:202 Resp: 363996
Ion Ratio Lower Upper
202 100
200 21.7 18.0 27.0
203 17.7 14.1 21.1



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: 105.121 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Instrument :

BNA_F

ClientSampleId :

TP-18

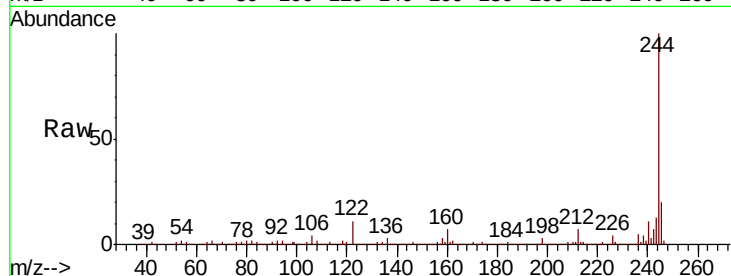
Tgt Ion:244 Resp: 1326445

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

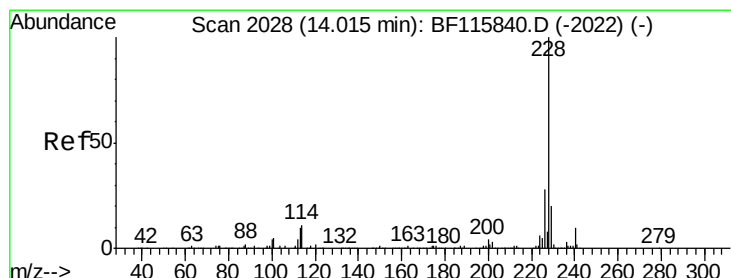
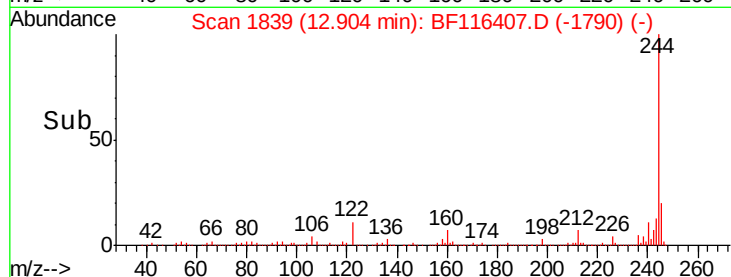
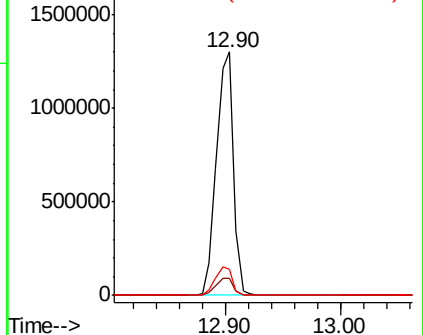
122 10.8 9.0 13.4



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: 8.891 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

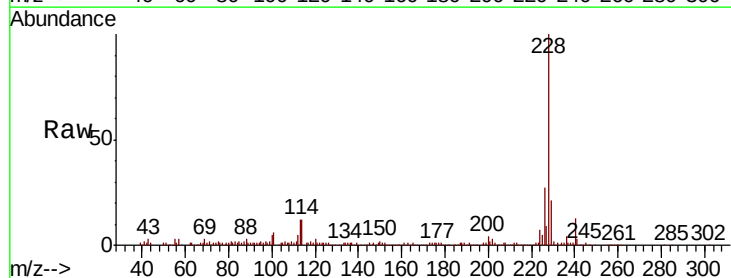
Tgt Ion:228 Resp: 151098

Ion Ratio Lower Upper

228 100

226 27.2 22.7 34.1

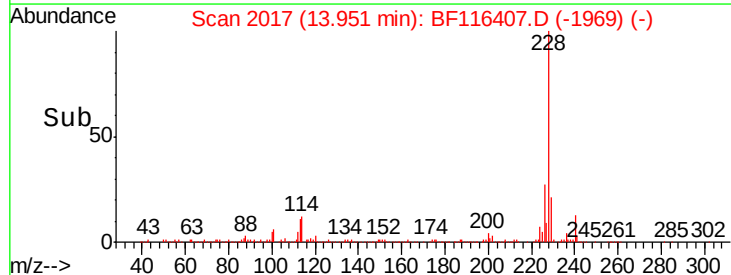
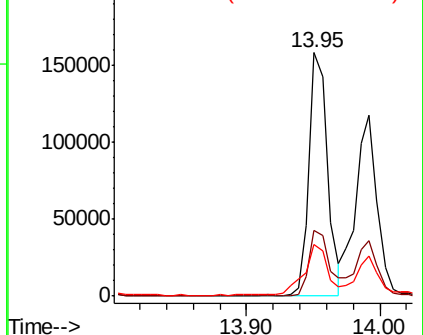
229 21.1 16.2 24.4

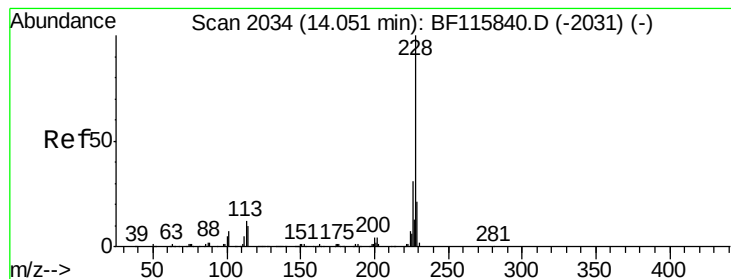


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.028 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Instrument :

BNA_F

ClientSampleId :

TP-18

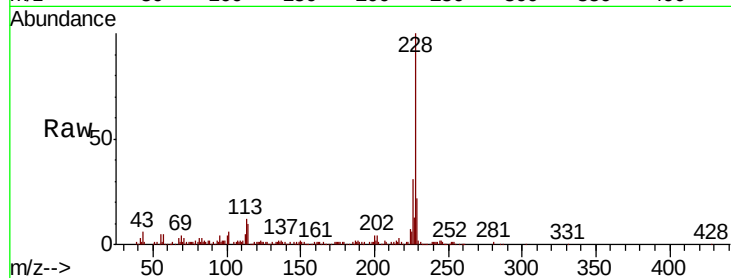
Tgt Ion:228 Resp: 132462

Ion Ratio Lower Upper

228 100

226 30.9 25.5 38.3

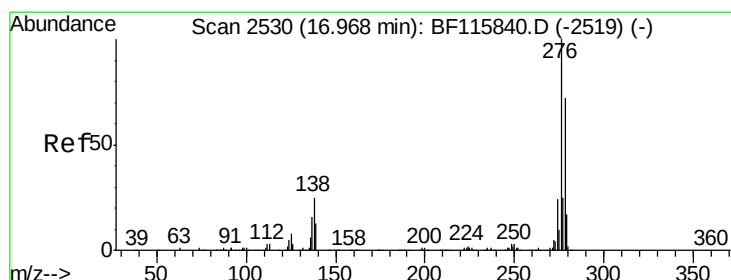
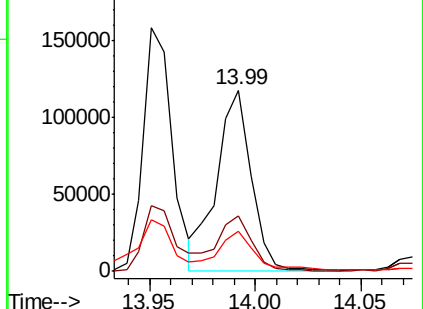
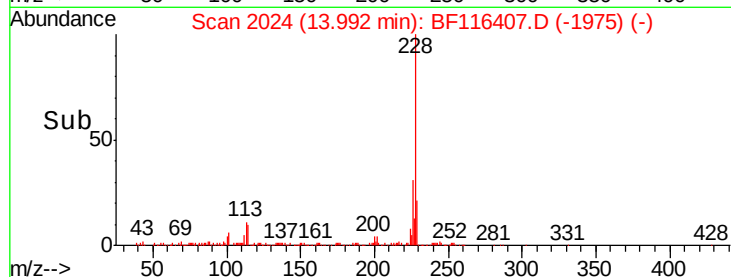
229 22.1 16.6 24.8



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: 6.414 ng

RT: 16.89 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

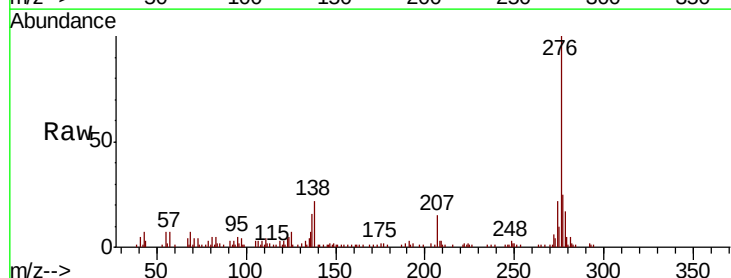
Tgt Ion:276 Resp: 88889

Ion Ratio Lower Upper

276 100

138 21.2 20.4 30.6

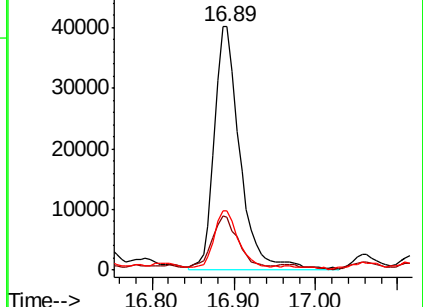
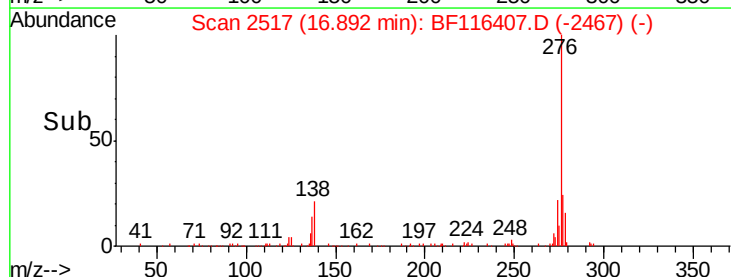
277 21.5 20.0 30.0

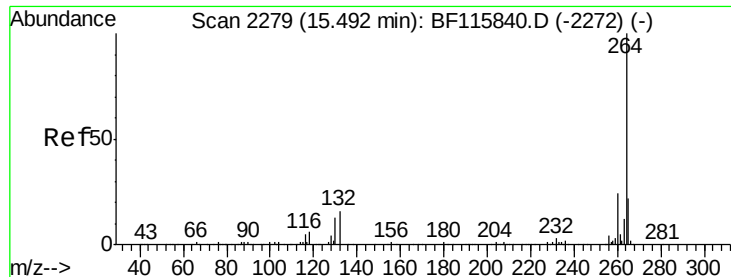


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.42 min Scan# 2266

Delta R.T. -0.02 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Instrument :

BNA_F

ClientSampleId :

TP-18

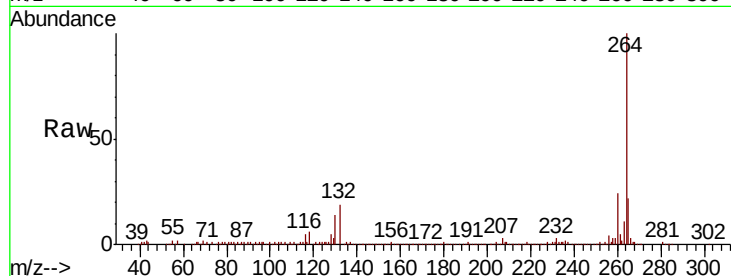
Tgt Ion:264 Resp: 278291

Ion Ratio Lower Upper

264 100

260 24.1 19.7 29.5

265 22.2 17.4 26.0

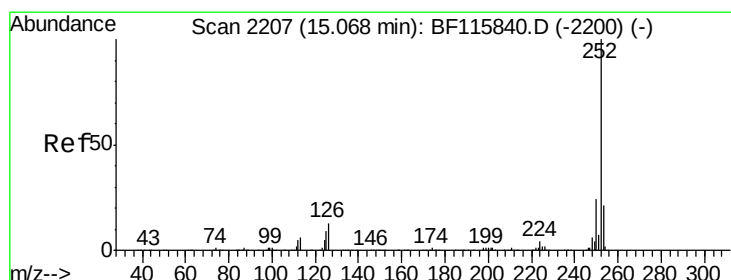
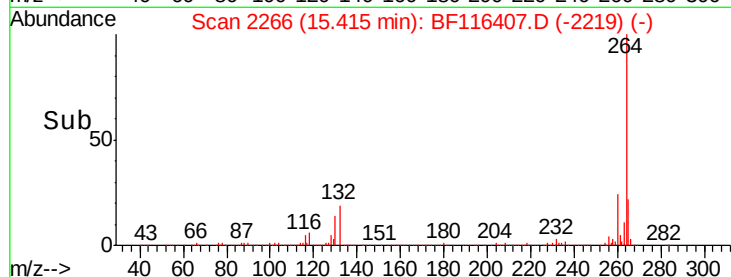
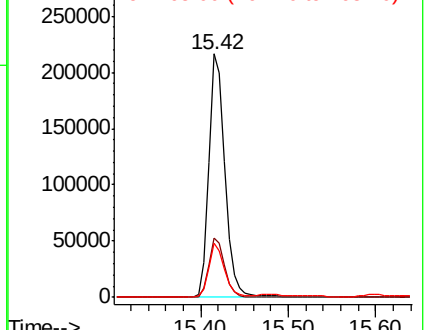


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 12.908 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

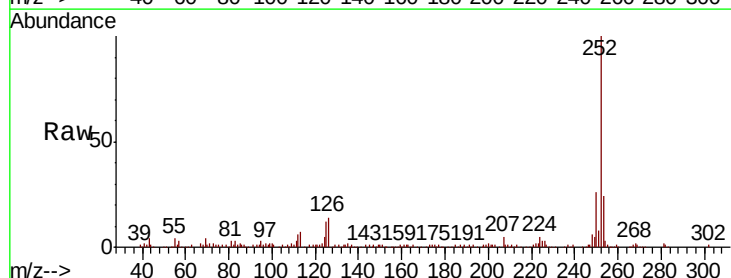
Tgt Ion:252 Resp: 207698

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 12.4 8.4 12.6

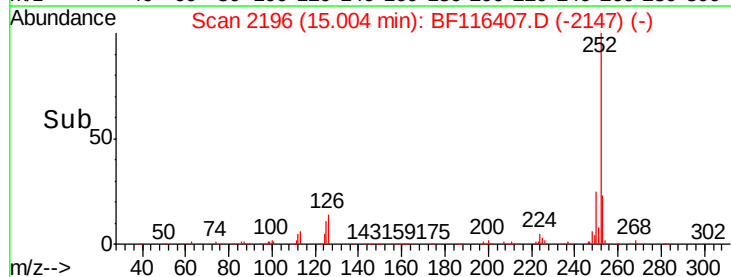
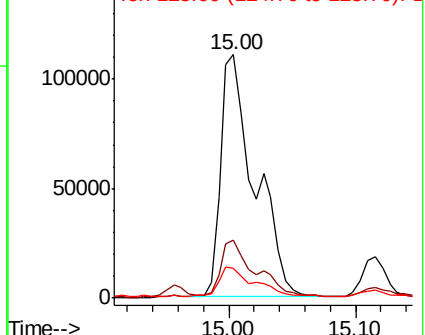


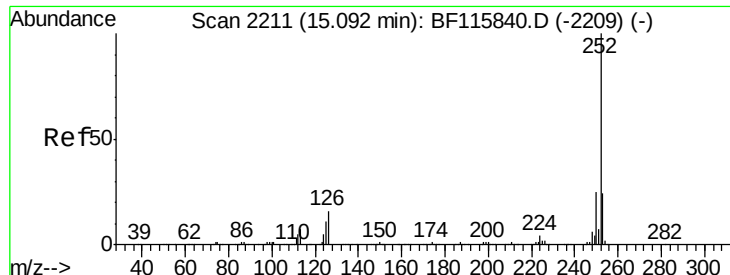
Abundance

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: 13.252 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.04 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

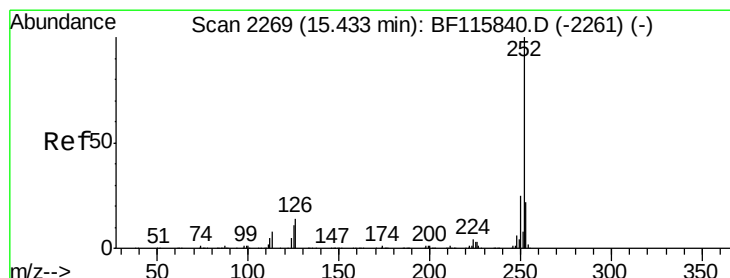
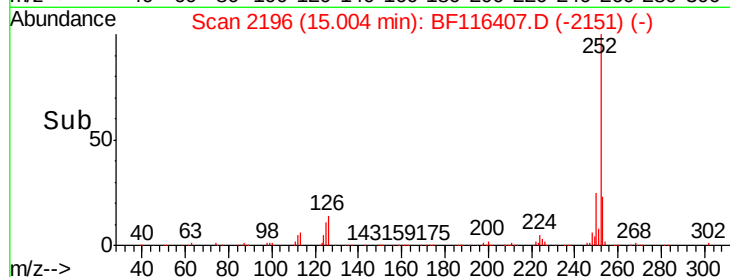
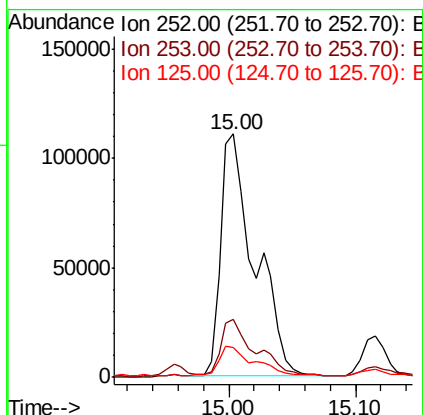
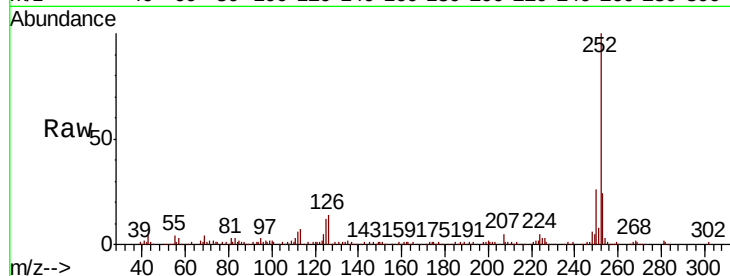
Instrument :

BNA_F

ClientSampled :

TP-18

Tgt Ion:	252	Resp:	207698
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	12.4	7.7	11.5#



#90

Benzo(a)pyrene

Concen: 7.968 ng

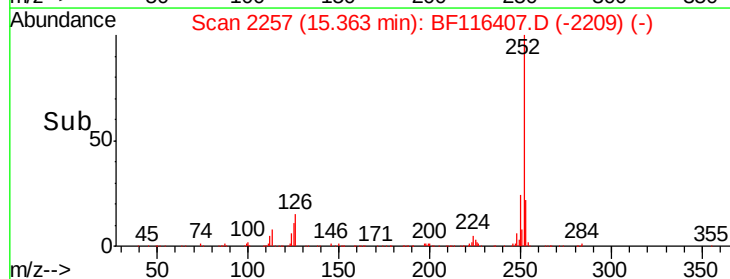
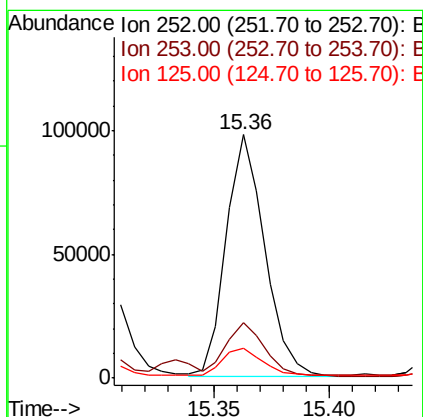
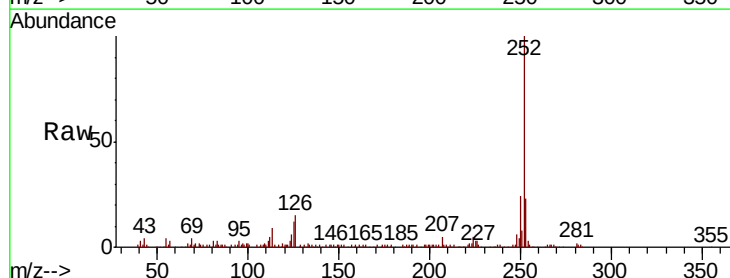
RT: 15.36 min Scan# 2257

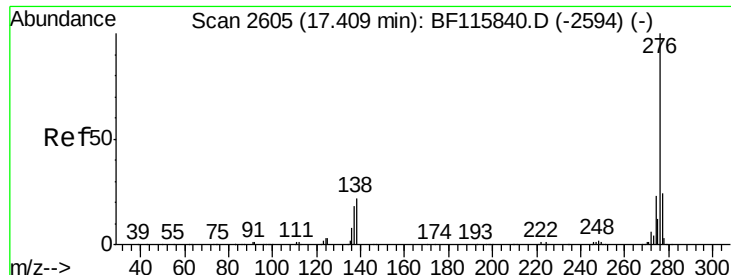
Delta R.T. -0.02 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Tgt Ion:	252	Resp:	114617
Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	12.1	8.9	13.3





#92

Benzo(g,h,i)perylene

Concen: 6.589 ng

RT: 17.33 min Scan# 2591

Delta R.T. -0.01 min

Lab File: BF116407.D

Acq: 20 Aug 2019 00:11

Instrument :

BNA_F

ClientSampleId :

TP-18

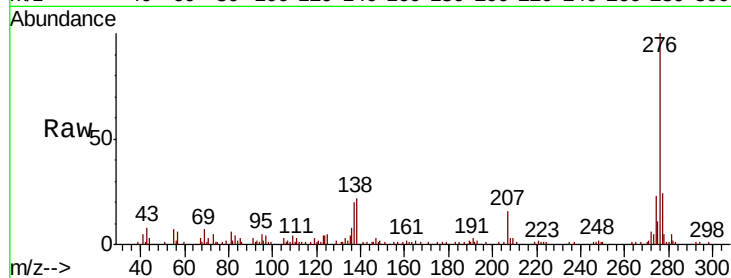
Tgt Ion: 276 Resp: 80567

Ion Ratio Lower Upper

276 100

277 24.0 18.4 27.6

138 22.1 17.0 25.6



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

