

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116129.D
 Acq On : 9 Aug 2019 22:56
 Operator : HP/JU
 Sample : K4092-05 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 04:37:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	117034	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	474606	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	232803	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	348627	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	292111	20.00	ng	-0.01
87) Perylene-d12	15.47	264	324506	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	37622	5.38	ng	0.01
7) Phenol-d6	6.49	99	56445	6.40	ng	0.00
23) Nitrobenzene-d5	7.42	82	32290	3.93	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	9679	4.29	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	75013	6.04	ng	-0.01
79) Terphenyl-d14	12.94	244	66486	4.80	ng	-0.01

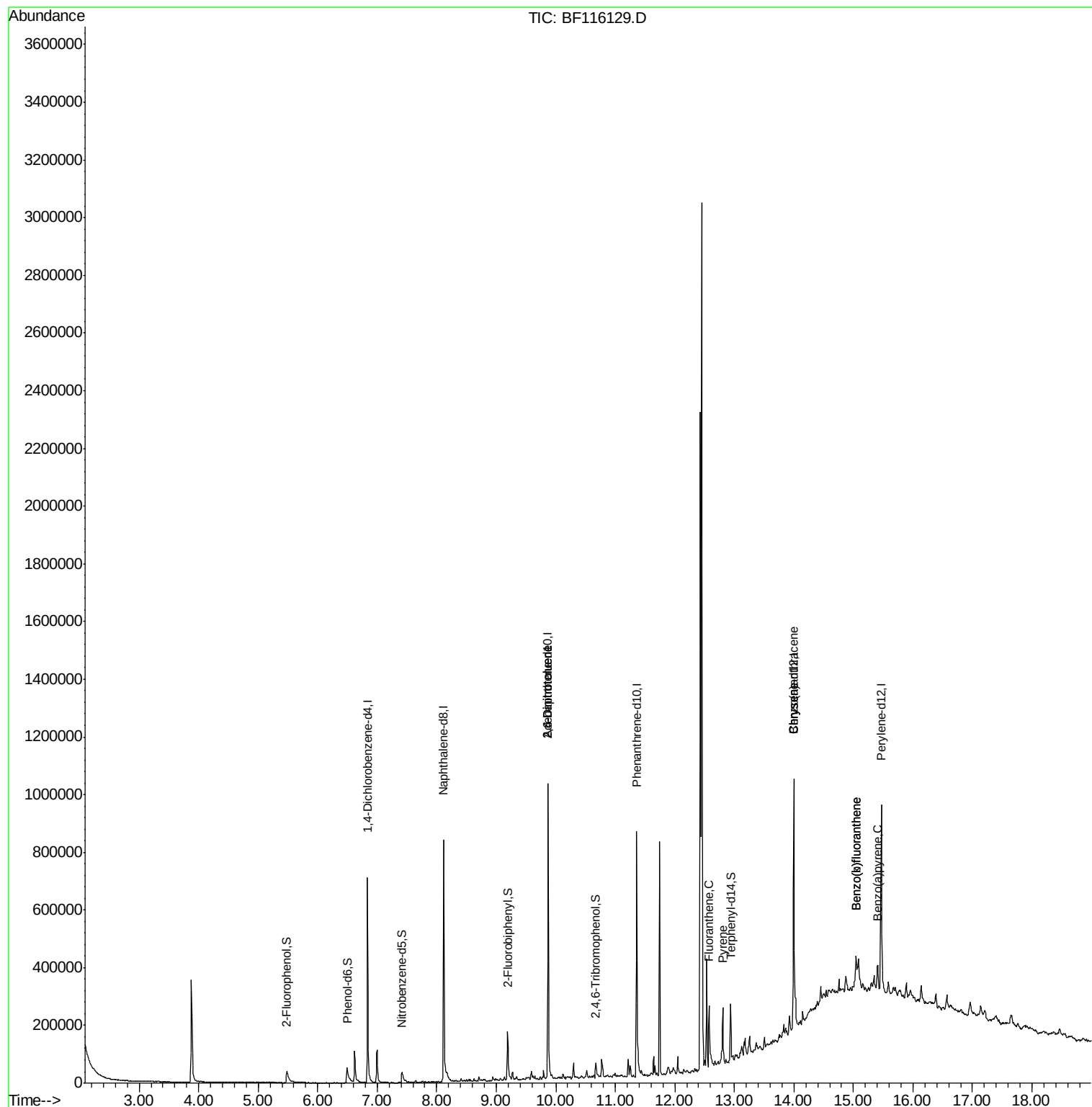
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) 2,6-Dinitrotoluene	9.87	165	29934	8.690	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	30437	6.636	ng	# 21
75) Fluoranthene	12.57	202	83157	4.457	ng	99
78) Pyrene	12.80	202	72403	3.288	ng	97
81) Benzo(a)anthracene	13.99	228	38459	2.060	ng	97
83) Chrysene	13.99	228	38459	2.122	ng	95
88) Benzo(b)fluoranthene	15.04	252	67149	3.579	ng	# 86
89) Benzo(k)fluoranthene	15.04	252	67149	3.674	ng	# 85
90) Benzo(a)pyrene	15.41	252	34330	2.047	ng	# 91

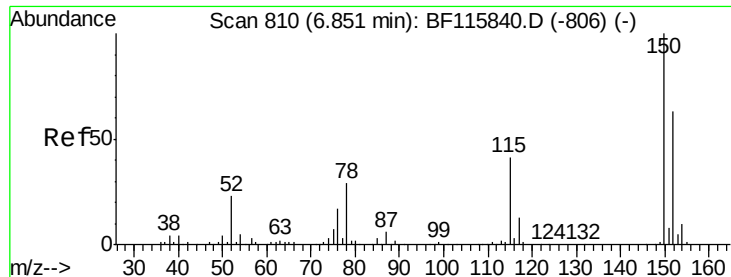
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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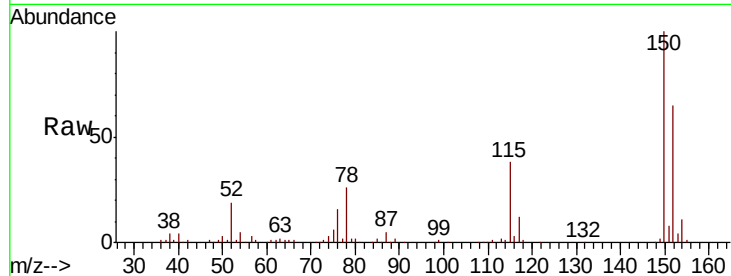


#1

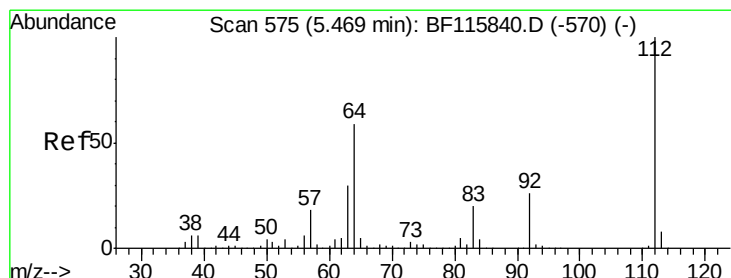
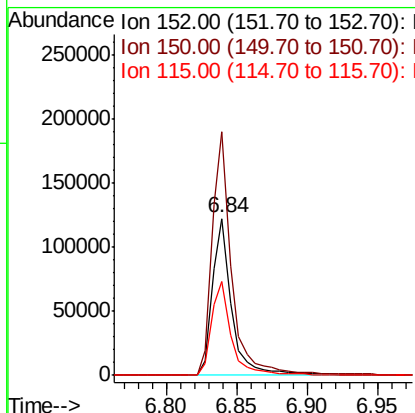
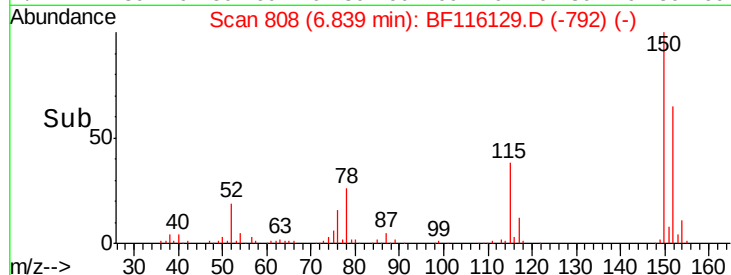
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116129.D
Acq: 9 Aug 2019 22:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 117034
Ion Ratio Lower Upper
152 100
150 154.9 126.2 189.2
115 59.6 49.9 74.9



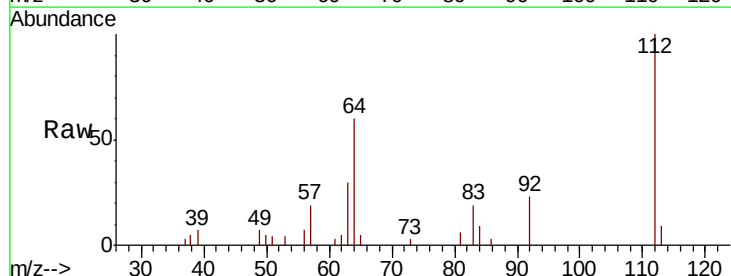
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



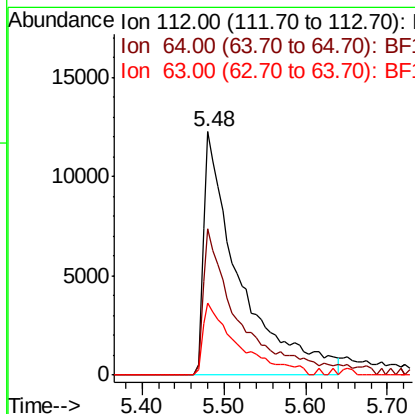
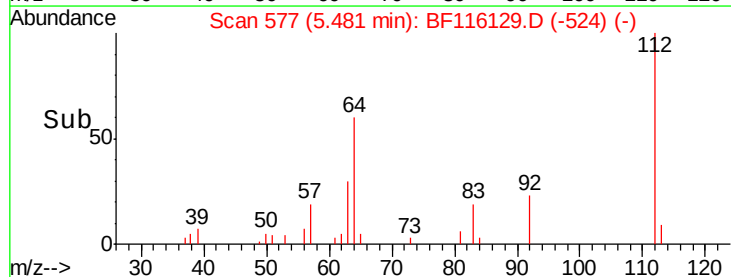
#5

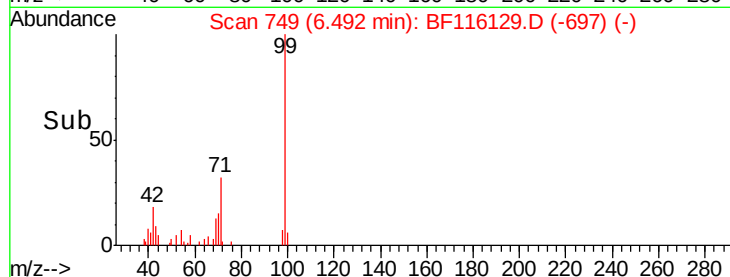
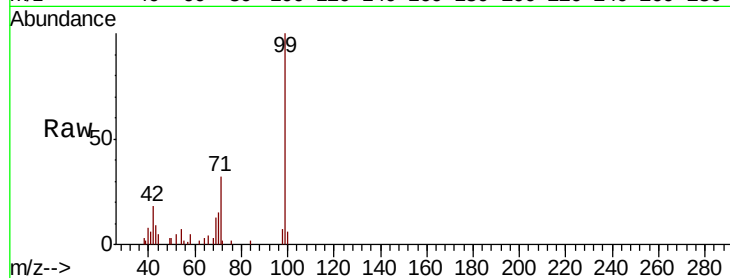
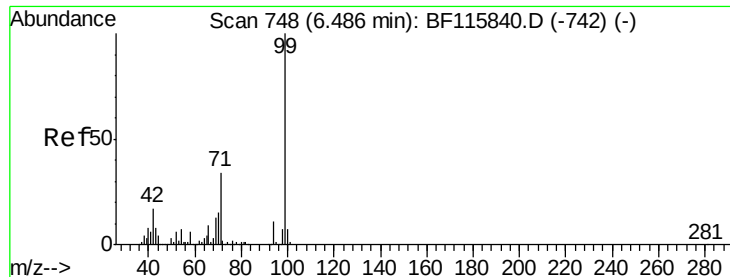
2-Fluorophenol
Concen: 5.381 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF116129.D
Acq: 9 Aug 2019 22:56

Tgt Ion:112 Resp: 37622
Ion Ratio Lower Upper
112 100
64 60.2 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: 6.399 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF116129.D

Acq: 9 Aug 2019 22:56

Instrument :

BNA_F

ClientSampleId :

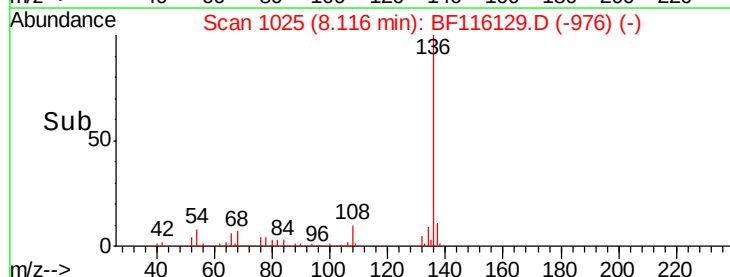
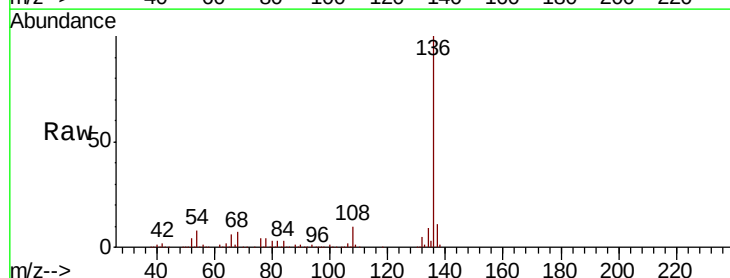
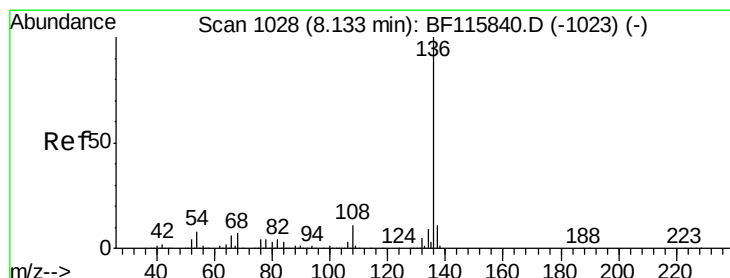
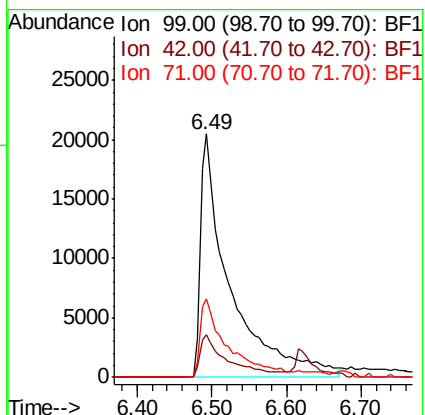
Tot Ion: 99 Resp: 56445

Ion Ratio Lower Upper

99 100

42 17.8 13.8 20.8

71 32.3 27.3 40.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116129.D

Acq: 9 Aug 2019 22:56

Tgt Ion: 136 Resp: 474606

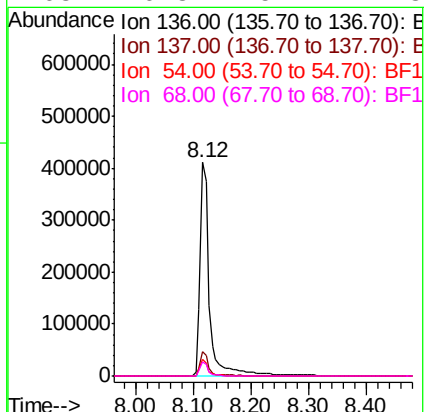
Ion Ratio Lower Upper

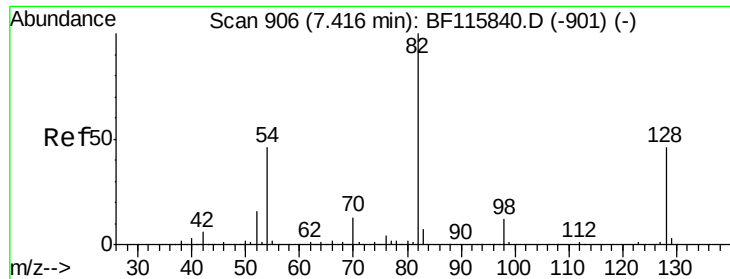
136 100

137 11.2 9.0 13.4

54 7.6 5.8 8.6

68 6.8 5.2 7.8

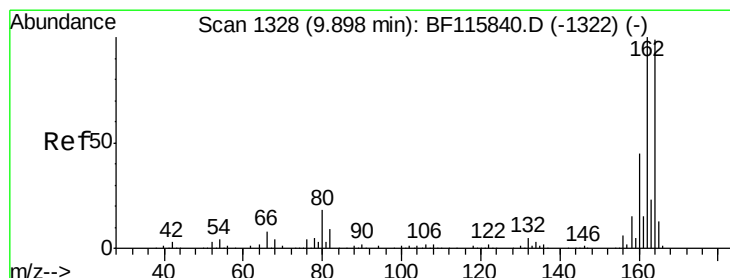
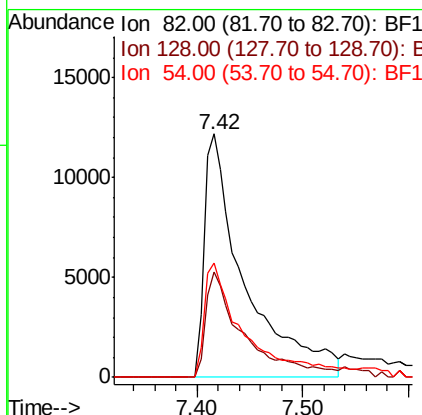
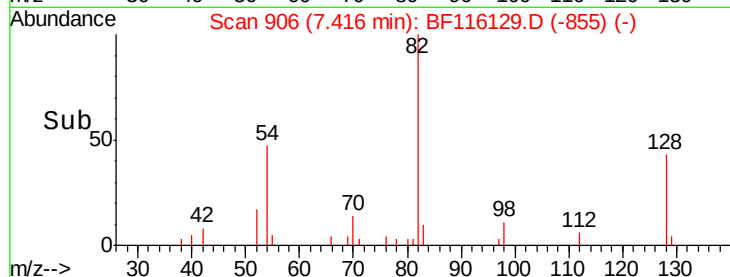
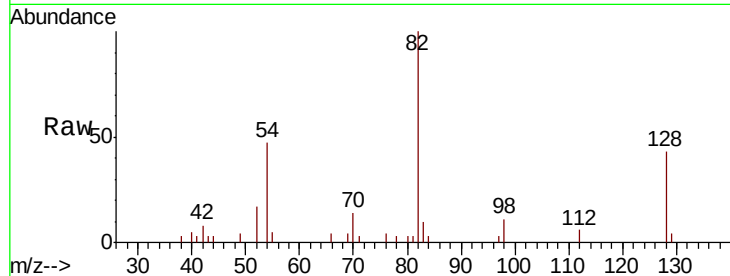




#23
Nitrobenzene-d5
Concen: 3.927 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF116129.D
Acq: 9 Aug 2019 22:56

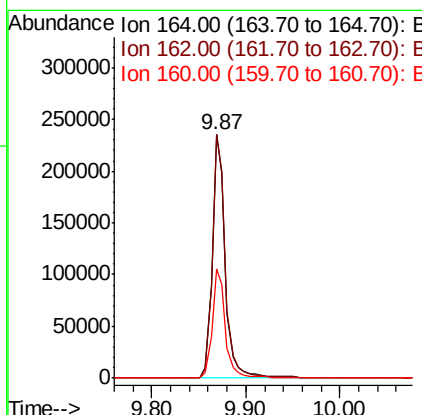
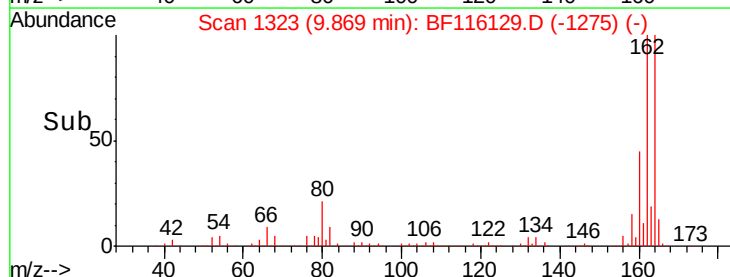
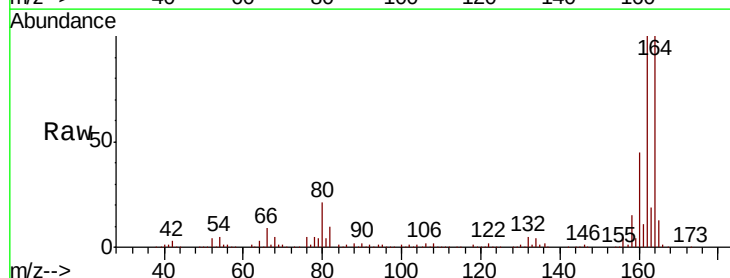
Instrument :
BNA_F
ClientSampleId :

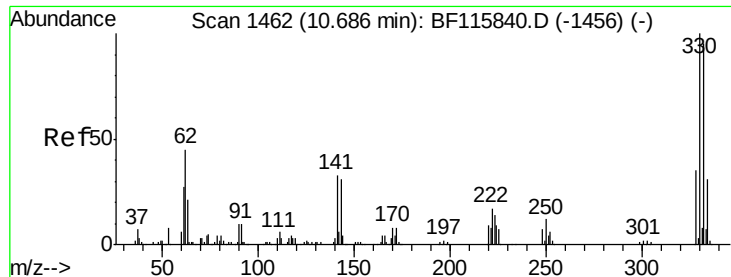
Tot Ion: 82 Resp: 32290
Ion Ratio Lower Upper
82 100
128 43.3 36.5 54.7
54 47.1 36.0 54.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116129.D
Acq: 9 Aug 2019 22:56

Tgt Ion: 164 Resp: 232803
Ion Ratio Lower Upper
164 100
162 100.0 82.6 124.0
160 44.7 37.6 56.4

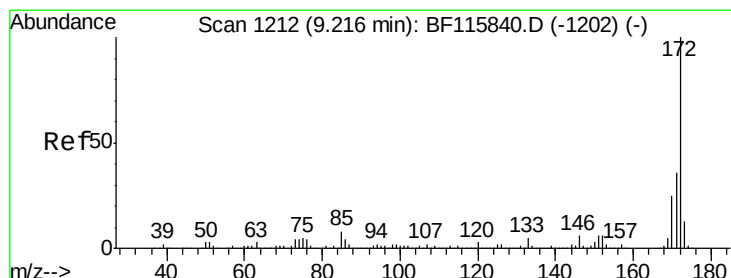
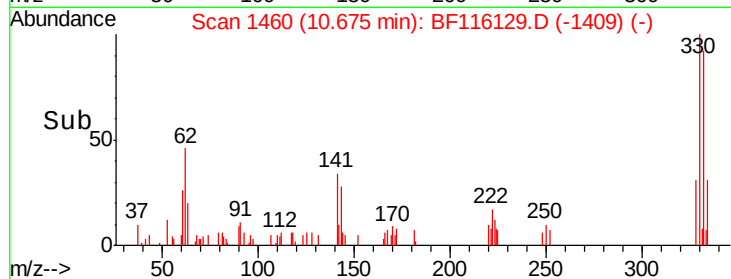
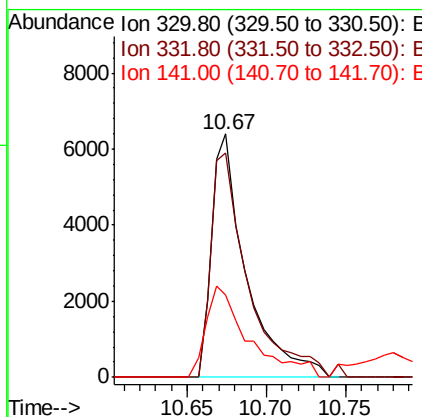
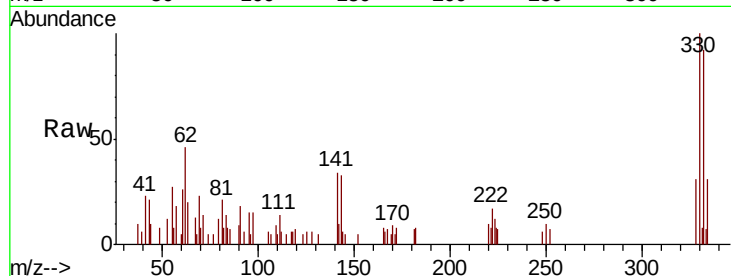




#42
 2,4,6-Tribromophenol
 Concen: 4.288 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF116129.D
 Acq: 9 Aug 2019 22:56

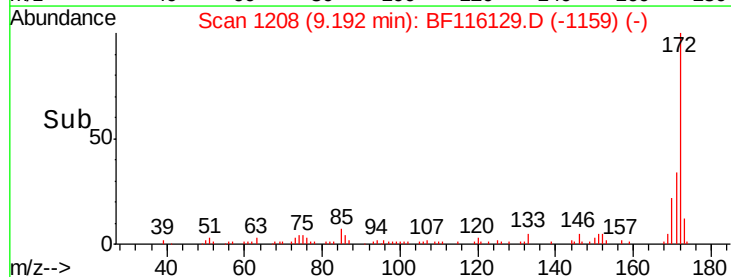
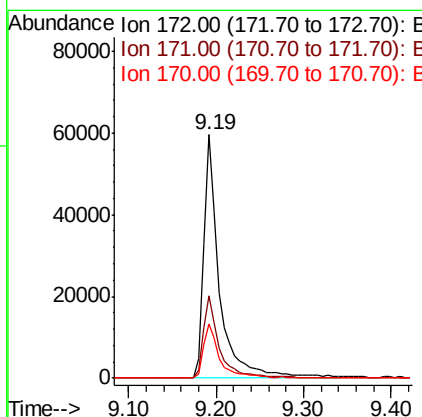
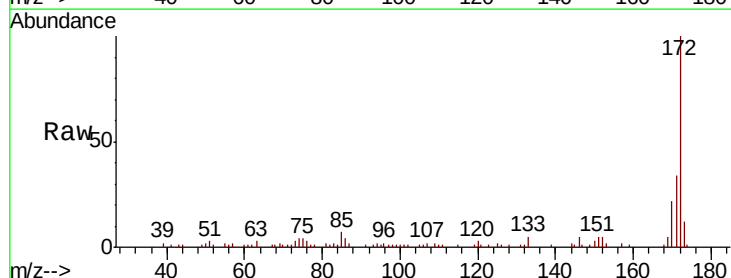
Instrument :
 BNA_F
 ClientSampleId :

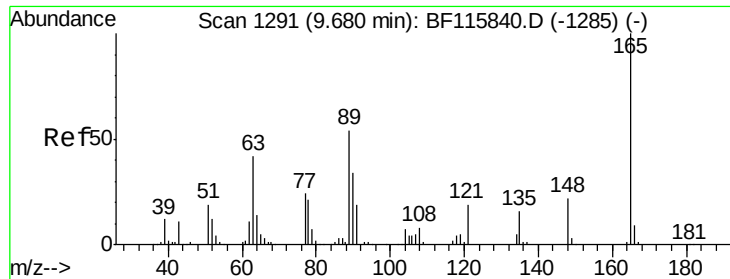
Tot Ion:330 Resp: 9679
 Ion Ratio Lower Upper
 330 100
 332 100.2 76.8 115.2
 141 46.6 26.3 39.5#



#45
 2-Fluorobiphenyl
 Concen: 6.035 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116129.D
 Acq: 9 Aug 2019 22:56

Tgt Ion:172 Resp: 75013
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.6 44.4
 170 22.4 20.1 30.1

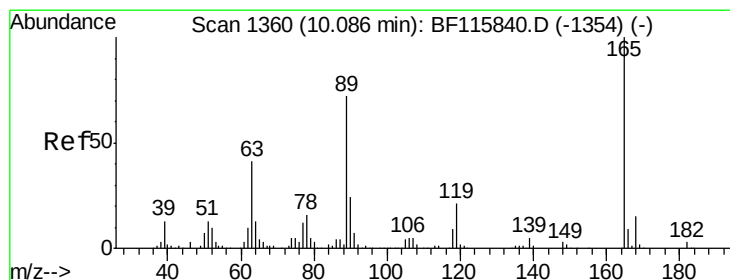
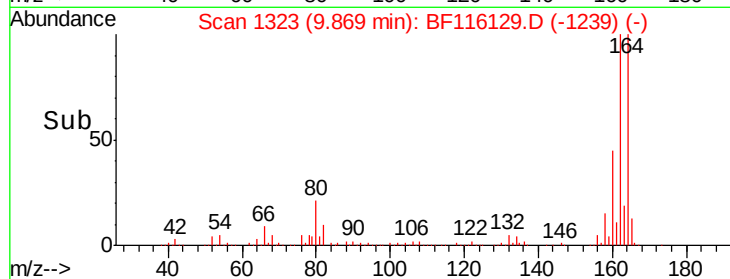
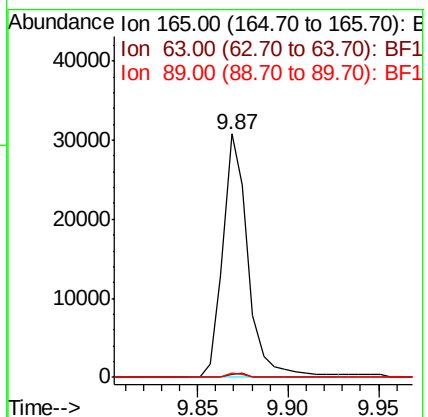
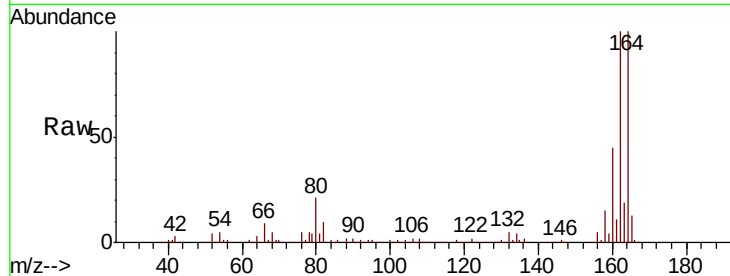




#51
 2,6-Dinitrotoluene
 Concen: 8.690 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116129.D
 Acq: 9 Aug 2019 22:56

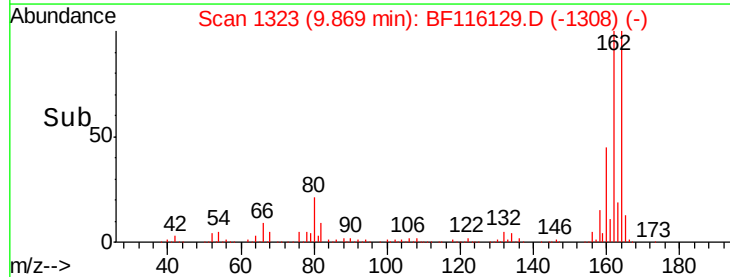
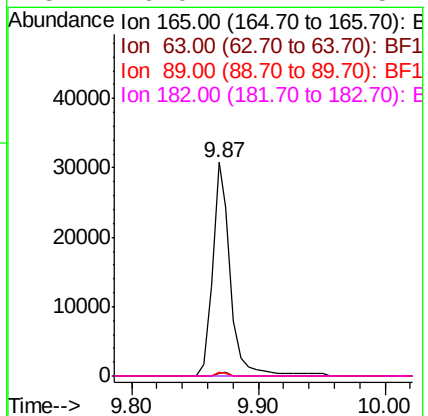
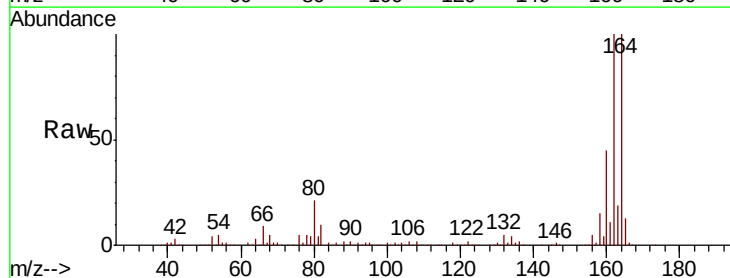
Instrument :
 BNA_F
 ClientSampleId :

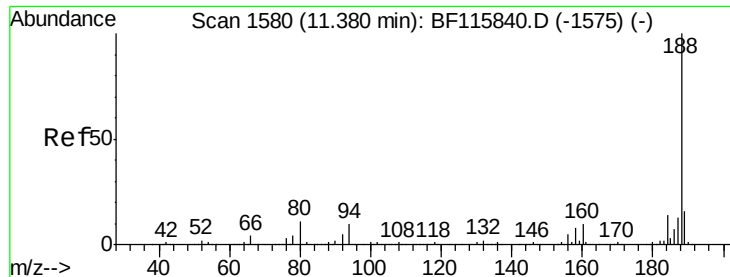
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	38.2	57.2#
89	2.0	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.636 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116129.D
 Acq: 9 Aug 2019 22:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	39.6	59.4#
89	2.0	62.2	93.2#
182	0.0	2.1	3.1#

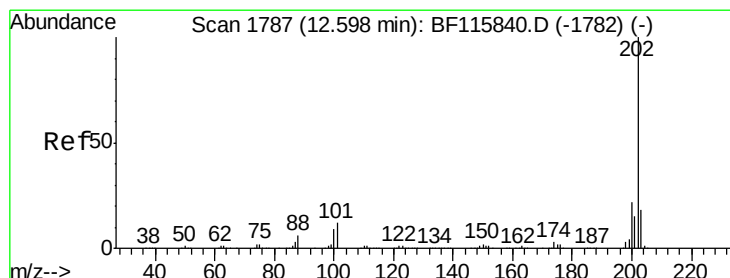
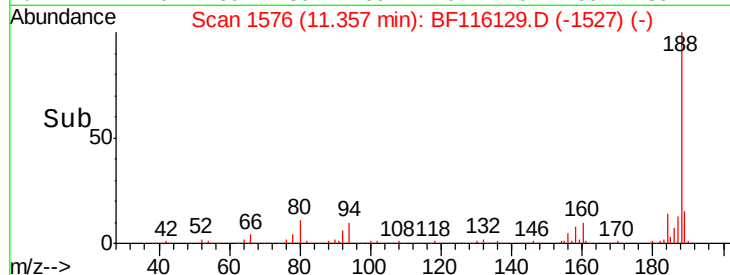
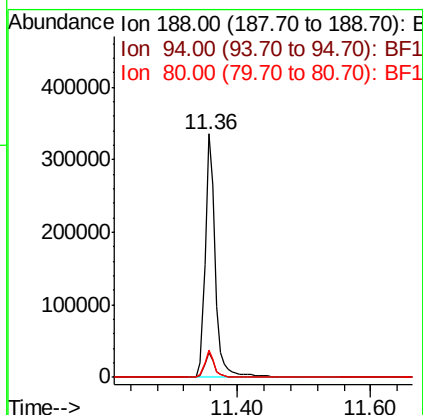
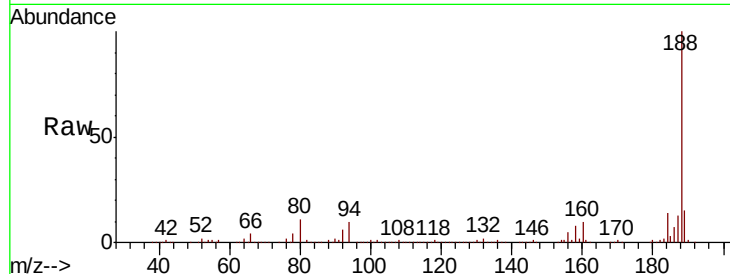




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116129.D
 Acq: 9 Aug 2019 22:56

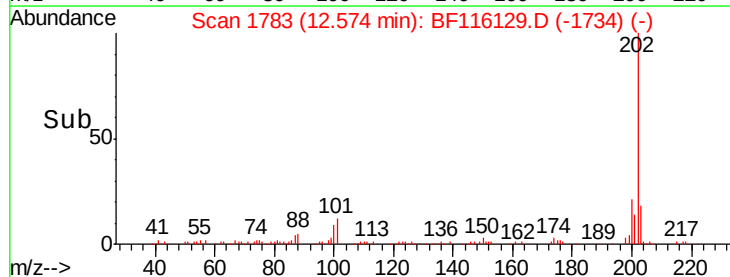
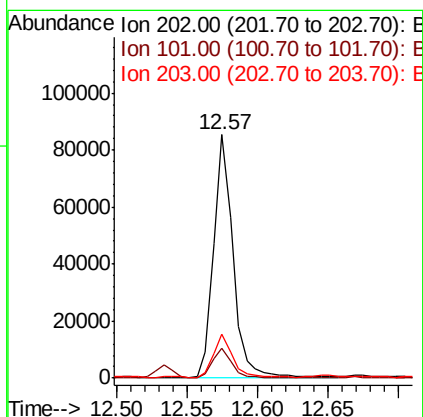
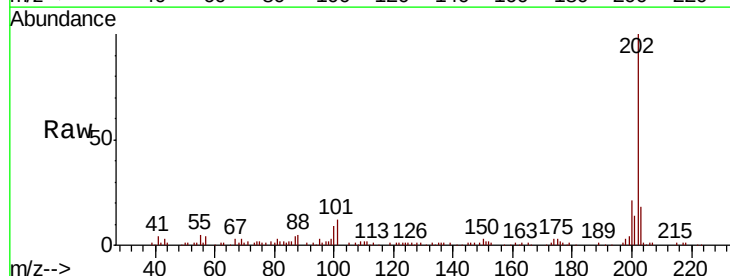
Instrument :
 BNA_F
 ClientSampleId :

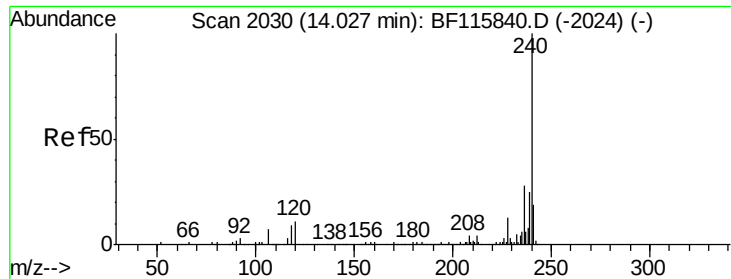
Tot Ion:188 Resp: 348627
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.1 12.1
 80 11.2 8.7 13.1



#75
 Fluoranthene
 Concen: 4.457 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF116129.D
 Acq: 9 Aug 2019 22:56

Tgt Ion:202 Resp: 83157
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 31.2
 203 17.9 0.0 37.8

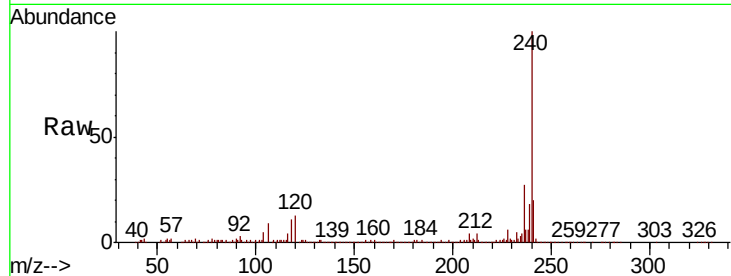




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116129.D
Acq: 9 Aug 2019 22:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.7	16.1
236	26.8	22.2	33.2

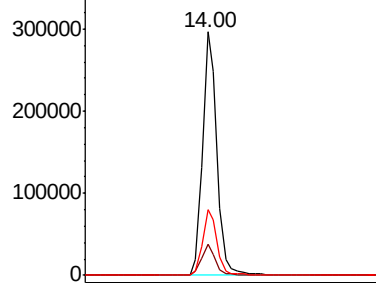


Abundance

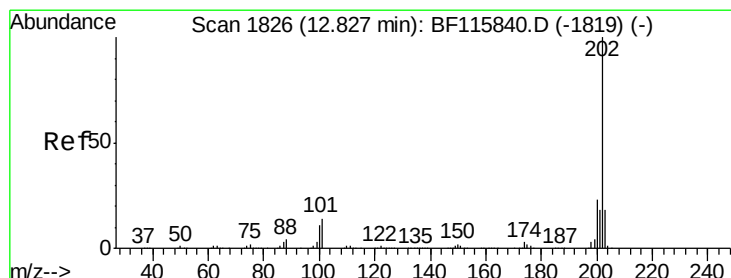
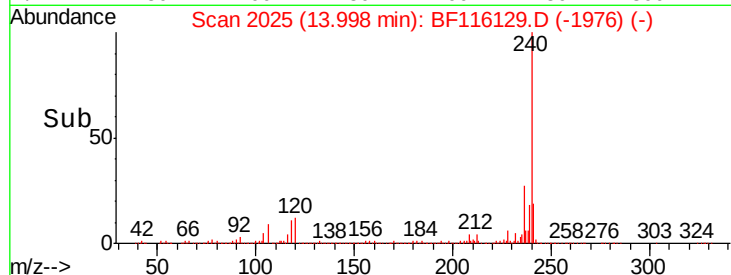
Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

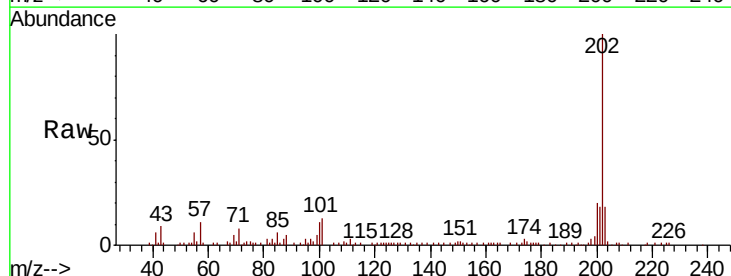


Time-->



#78
Pyrene
Concen: 3.288 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116129.D
Acq: 9 Aug 2019 22:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	18.0	27.0
203	17.9	14.1	21.1

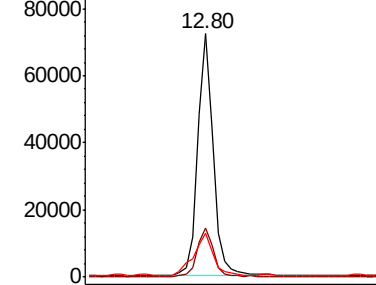


Abundance

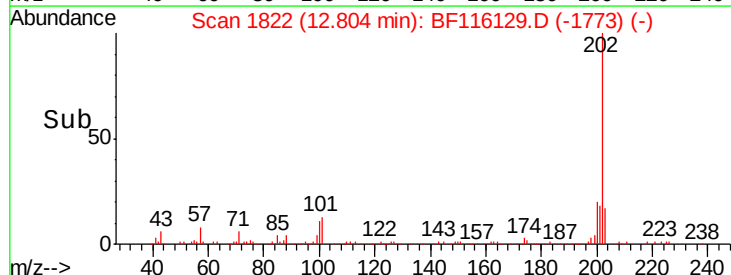
Ion 202.00 (201.70 to 202.70): E

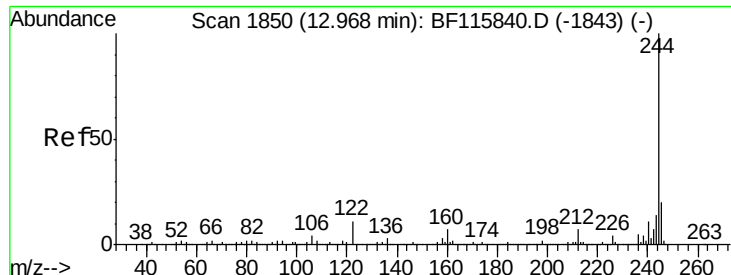
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#79

Terphenyl-d14

Concen: 4.796 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116129.D

Acq: 9 Aug 2019 22:56

Instrument :

BNA_F

ClientSampleId :

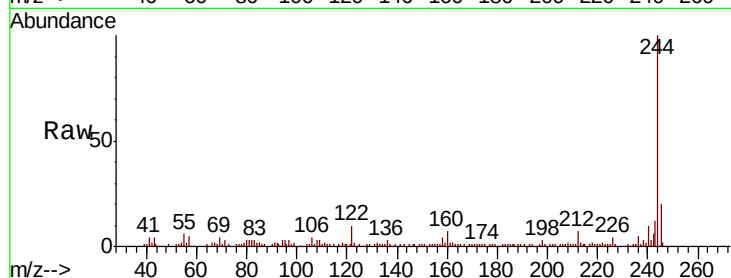
Tot Ion:244 Resp: 66486

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

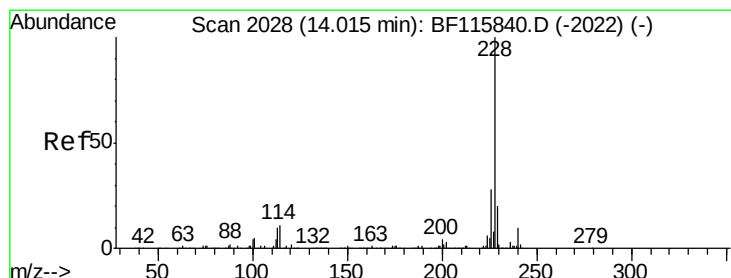
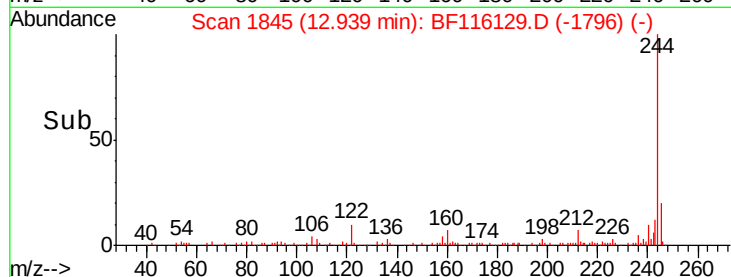
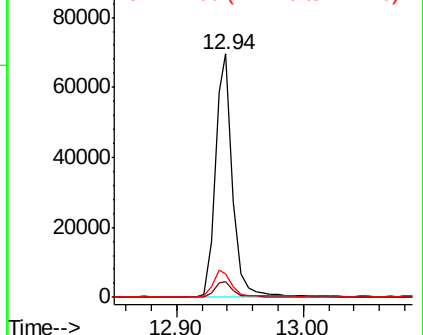
122 9.7 9.0 13.4



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: 2.060 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116129.D

Acq: 9 Aug 2019 22:56

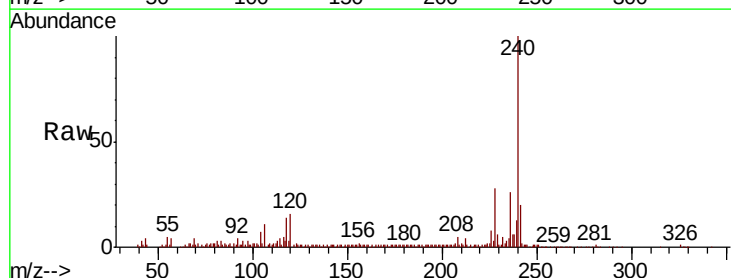
Tgt Ion:228 Resp: 38459

Ion Ratio Lower Upper

228 100

226 28.8 22.7 34.1

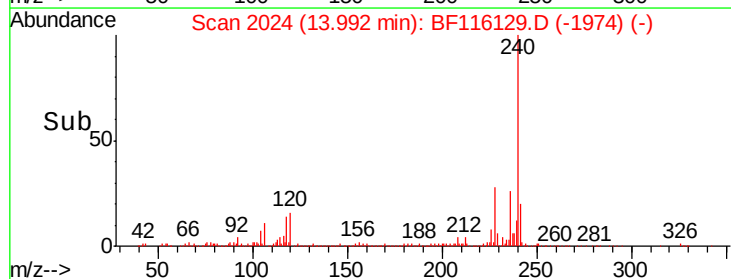
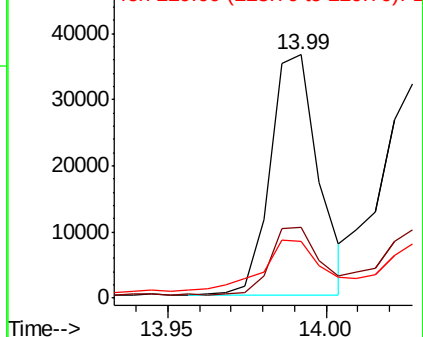
229 23.2 16.2 24.4

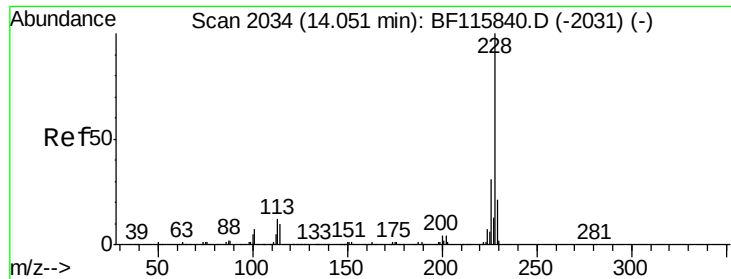


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

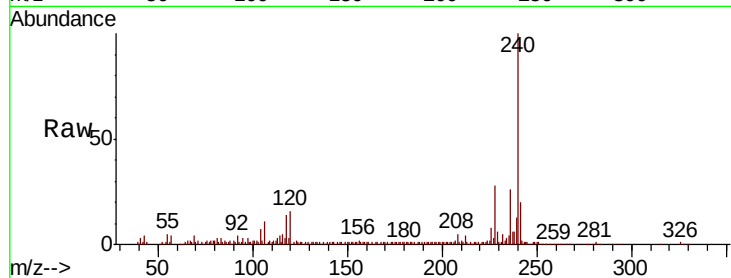




#83
Chrysene
Concen: 2.122 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.05 min
Lab File: BF116129.D
Acq: 9 Aug 2019 22:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	25.5	38.3
229	23.2	16.6	24.8

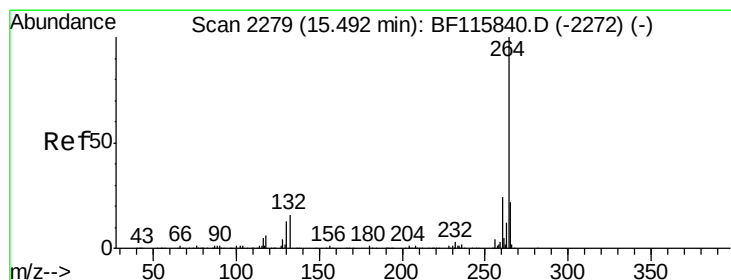
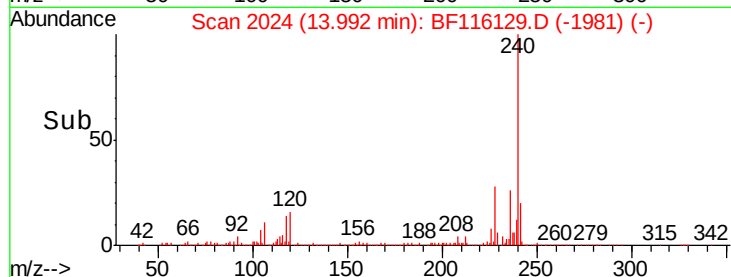
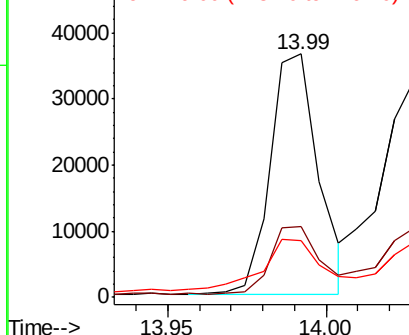


Abundance

Ion 228.00 (227.70 to 228.70): E

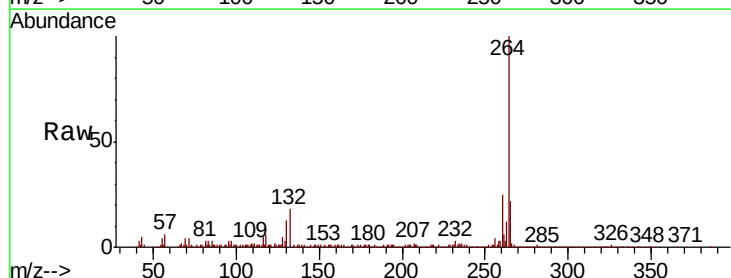
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116129.D
Acq: 9 Aug 2019 22:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.2	17.4	26.0

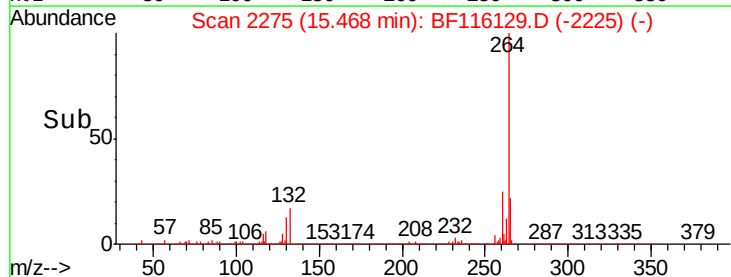
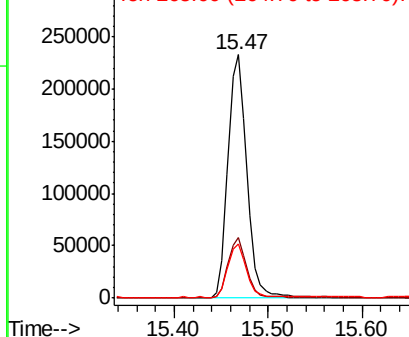


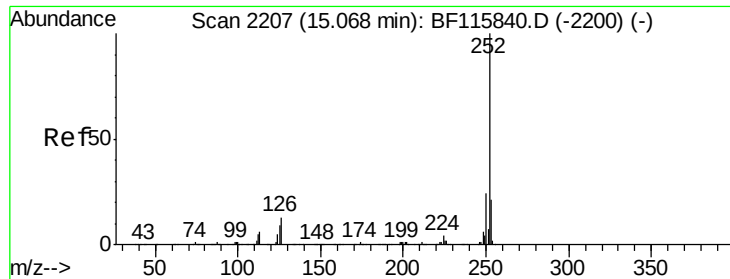
Abundance

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

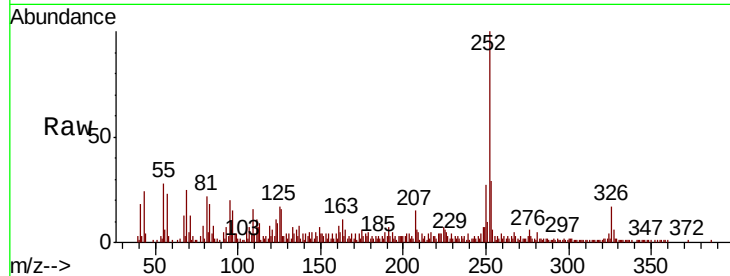




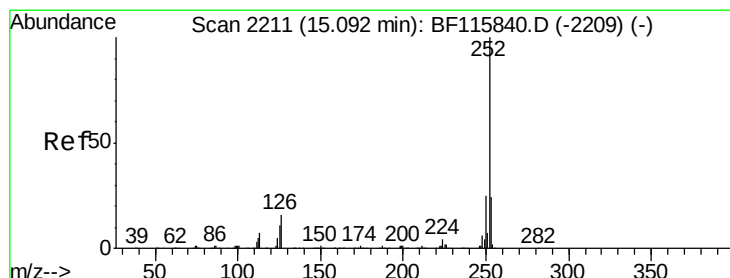
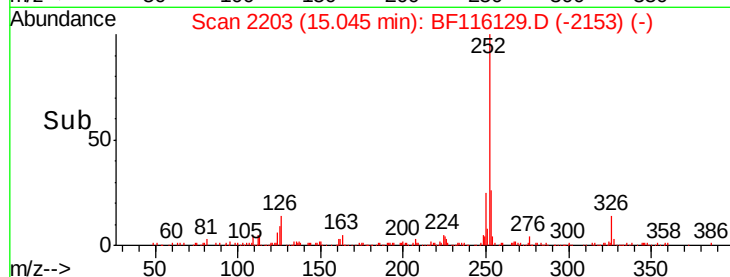
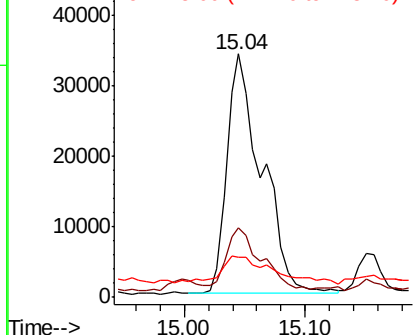
#88
Benzo(b)fluoranthene
Concen: 3.579 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116129.D
Acq: 9 Aug 2019 22:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.8	26.8#
125	16.6	8.4	12.6#

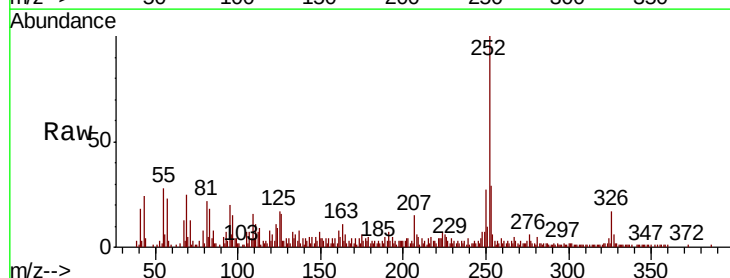


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

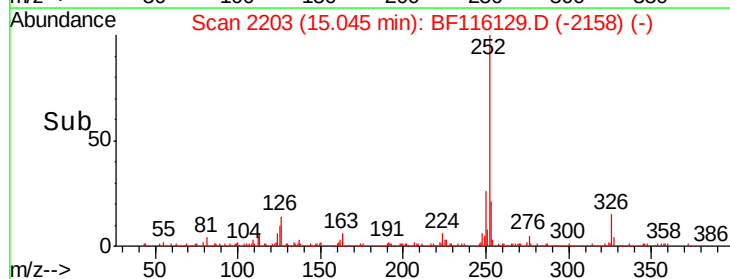
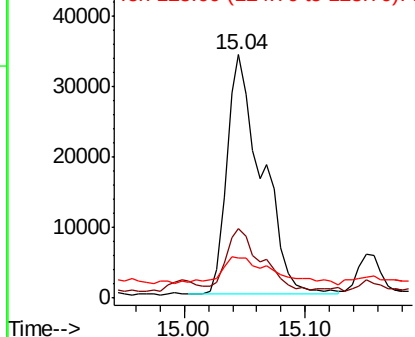


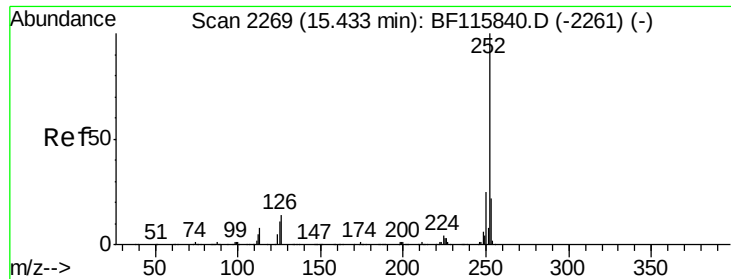
#89
Benzo(k)fluoranthene
Concen: 3.674 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116129.D
Acq: 9 Aug 2019 22:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.8	26.8#
125	16.6	7.7	11.5#



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

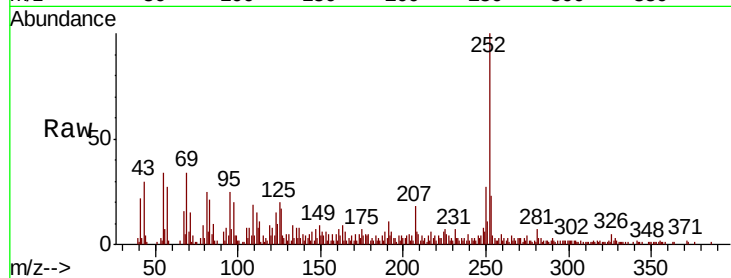




#90
 Benzo(a)pyrene
 Concen: 2.047 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF116129.D
 Acq: 9 Aug 2019 22:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	19.8	8.9	13.3



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

