

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052019\
 Data File : BF114429.D
 Acq On : 20 May 2019 11:00
 Operator : JU/SJ
 Sample : K2894-10RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 14:23:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	188397	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	725701	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	339012	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	680220	20.00	ng	0.00
76) Chrysene-d12	14.00	240	495994	20.00	ng	0.00
87) Perylene-d12	15.48	264	477141	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1083156	92.52	ng	0.00
7) Phenol-d6	6.47	99	1418116	102.42	ng	-0.01
23) Nitrobenzene-d5	7.39	82	827893	64.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	322692	92.07	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1249942	55.77	ng	0.00
79) Terphenyl-d14	12.93	244	1172514	48.73	ng	0.00

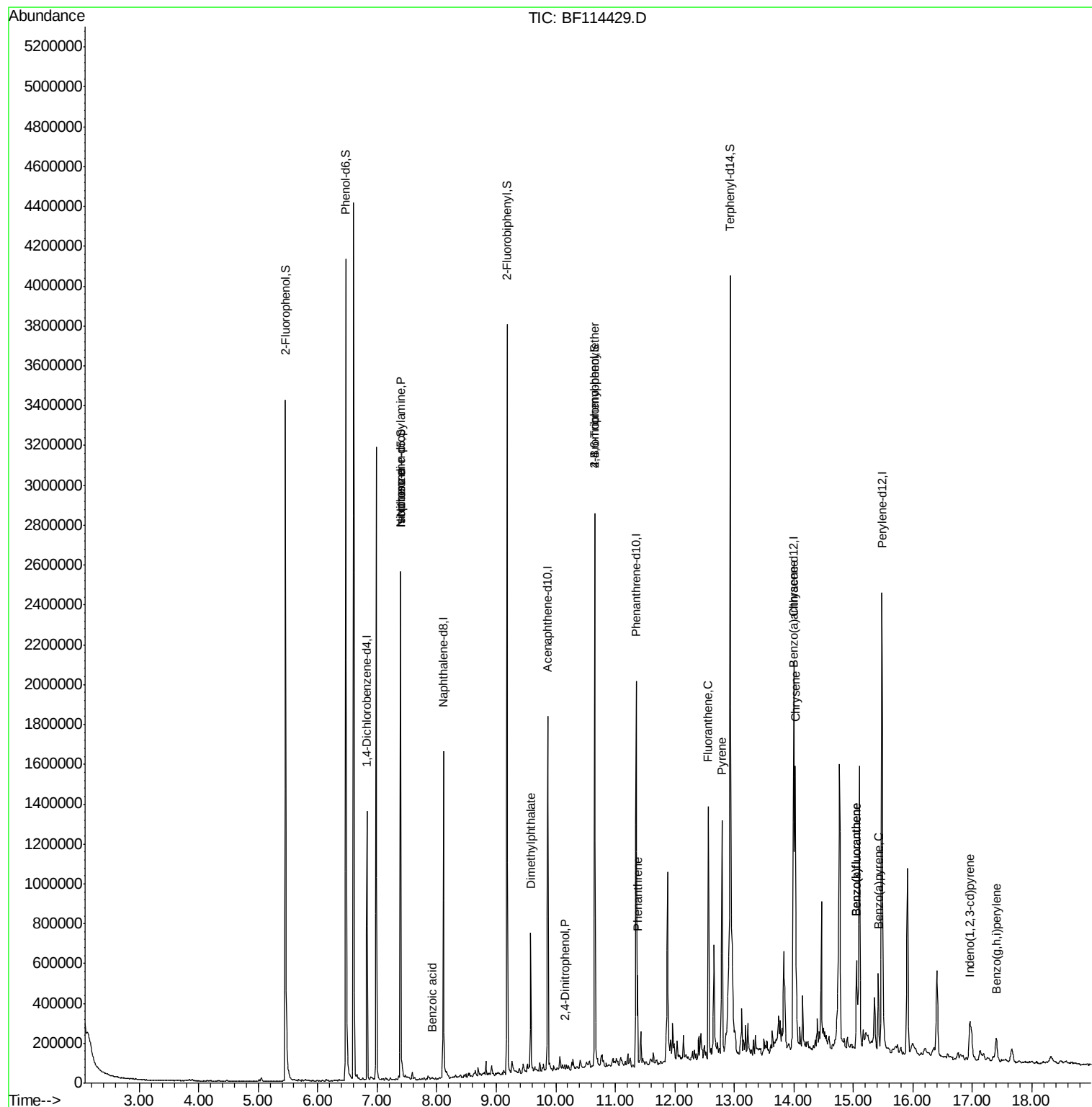
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	112127	12.776	ng	# 75
25) Isophorone	7.39	82	827888	34.521	ng	# 64
32) Benzoic acid	7.93	122	393	7.068	ng	# 1
50) Dimethylphthalate	9.58	163	292292	11.745	ng	99
54) 2,4-Dinitrophenol	10.16	184	132	6.789	ng	# 41
67) 4-Bromophenyl-phenylether	10.66	248	21351	2.851	ng	# 1
71) Phenanthrene	11.37	178	156353	4.725	ng	95
75) Fluoranthene	12.56	202	523721	14.696	ng	98
78) Pyrene	12.79	202	495038	12.407	ng	99
81) Benzo(a)anthracene	13.99	228	275164	8.577	ng	98
83) Chrysene	14.02	228	219909	6.993	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	109585	3.943	ng	97
88) Benzo(b)fluoranthene	15.05	252	333479	10.909	ng	99
89) Benzo(k)fluoranthene	15.05	252	333479	11.876	ng	99
90) Benzo(a)pyrene	15.42	252	188856	7.020	ng	99
92) Benzo(g,h,i)perylene	17.40	276	105041	4.689	ng	97

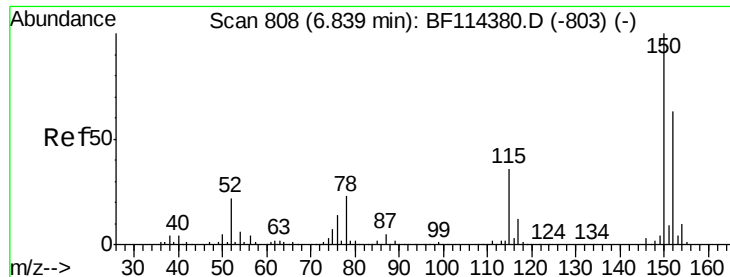
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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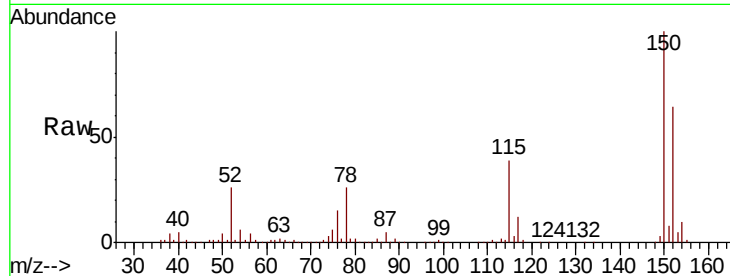


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.3	186.5
115	60.6	49.1	73.7

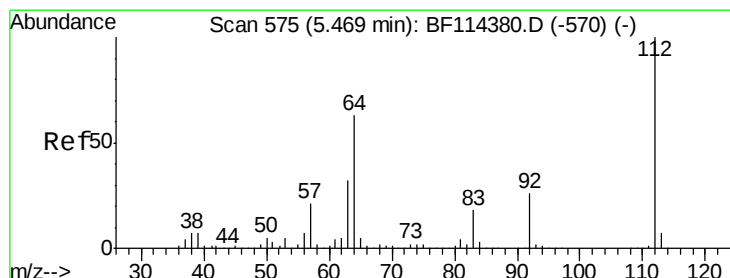
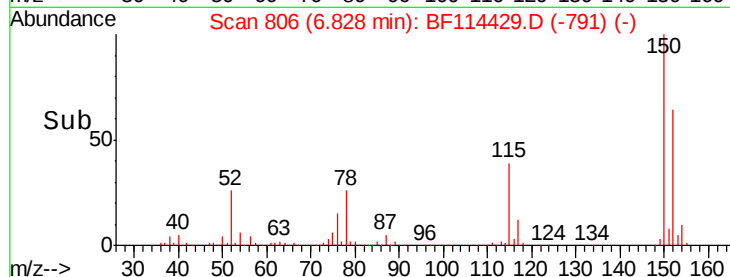
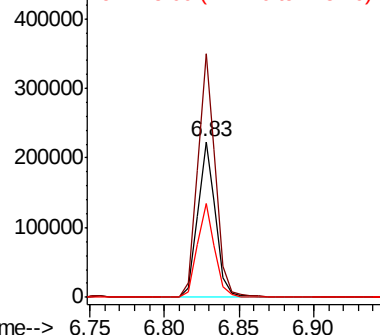


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

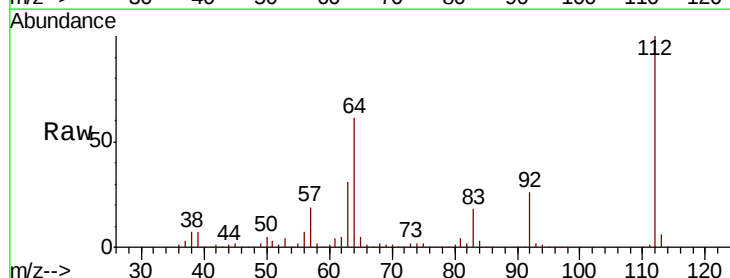
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.522 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	49.0	73.6
63	31.0	24.6	37.0

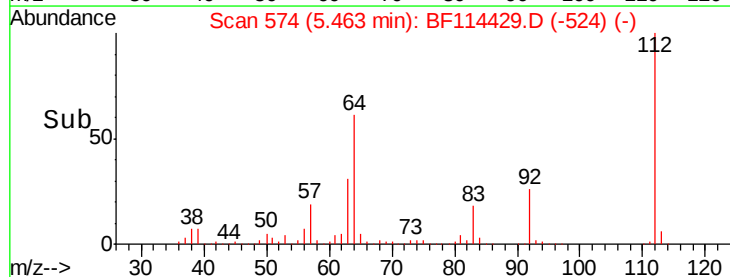
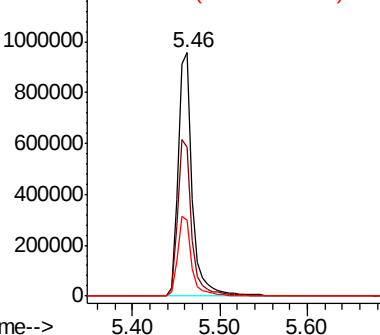


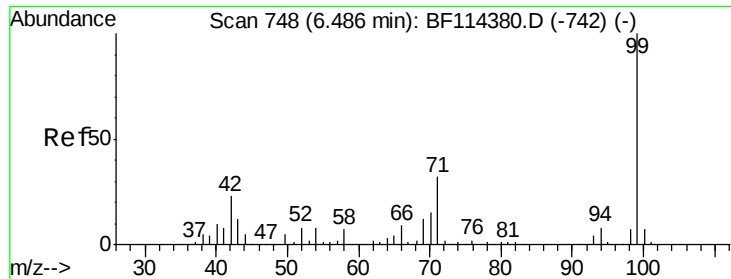
Abundance

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: 102.418 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF114429.D

Acq: 20 May 2019 11:00

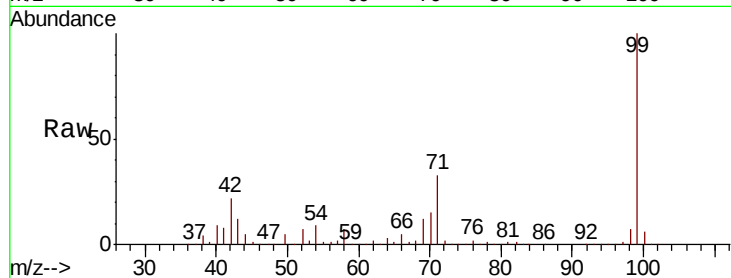
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1418116

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.9	26.9
71	32.7	26.2	39.2

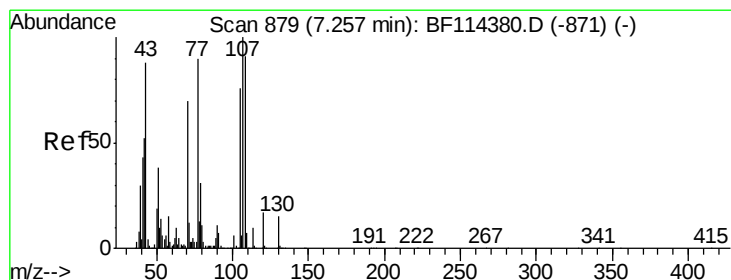
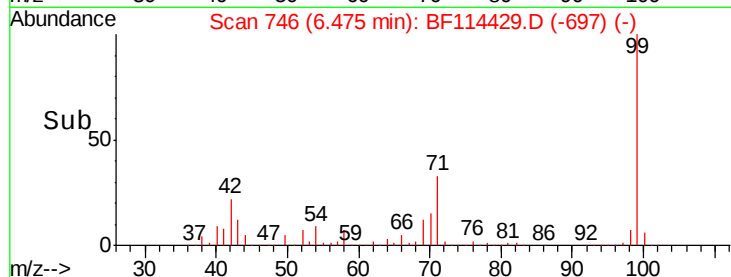
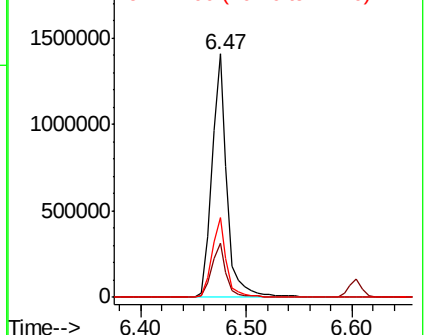


Abundance

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: 12.776 ng

RT: 7.39 min Scan# 902

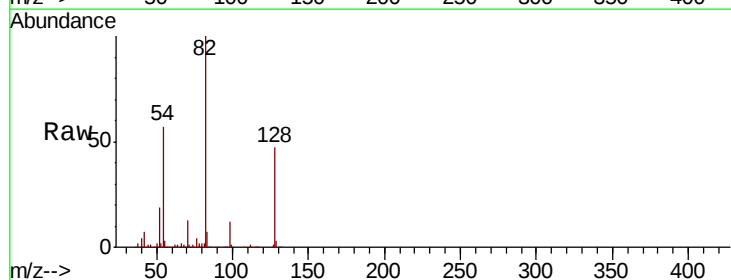
Delta R.T. 0.14 min

Lab File: BF114429.D

Acq: 20 May 2019 11:00

Tgt Ion: 70 Resp: 112127

Ion	Ratio	Lower	Upper
70	100		
42	55.8	58.6	87.8#
101	0.0	7.8	11.8#
130	2.1	17.1	25.7#



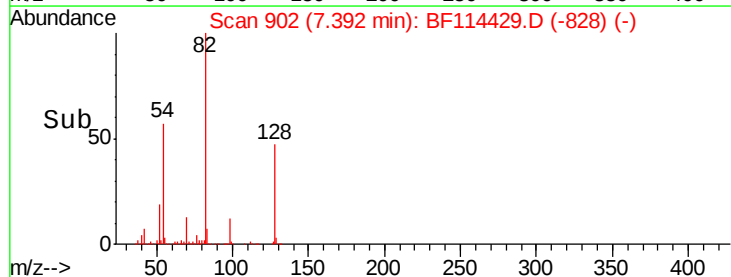
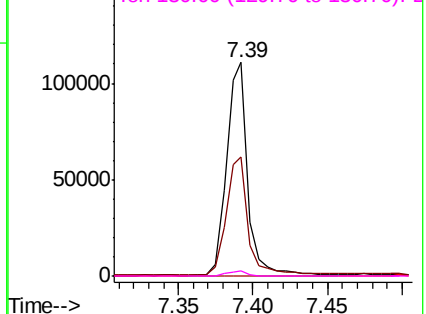
Abundance

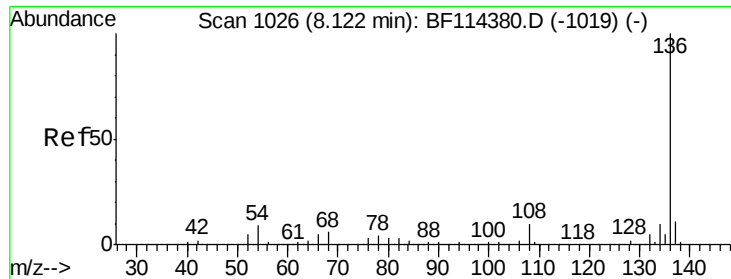
Ion 70.00 (69.70 to 70.70): BF1

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

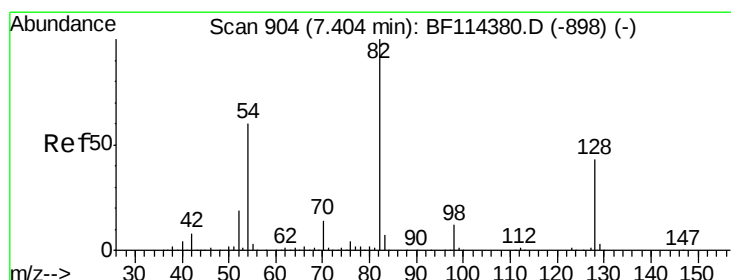
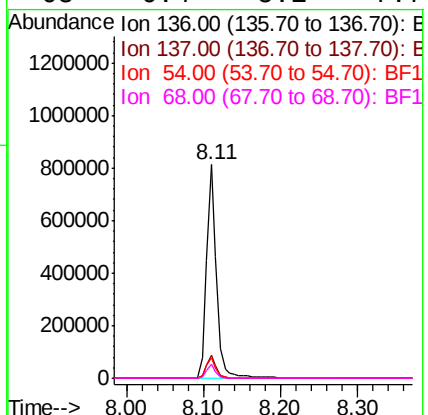
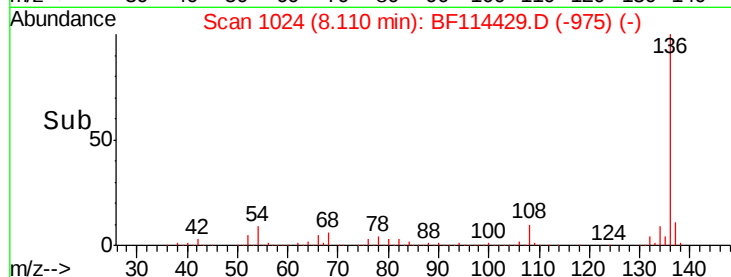
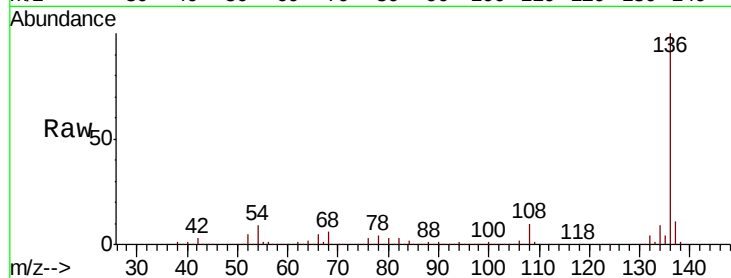




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

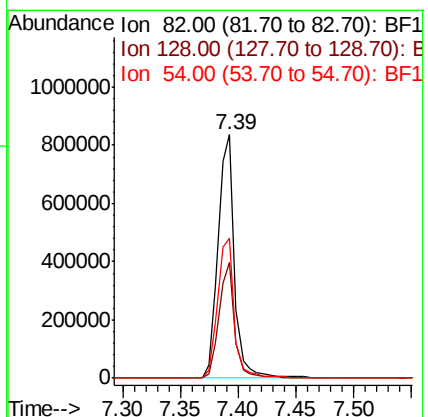
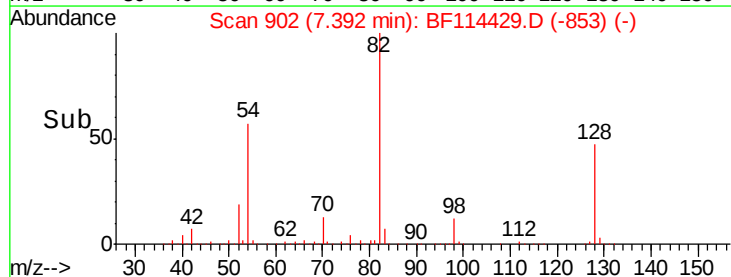
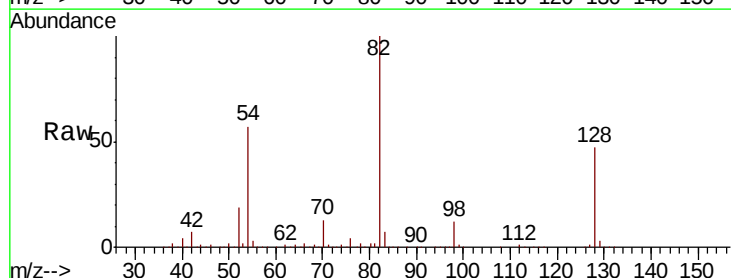
Instrument :
BNA_F
ClientSampleId :

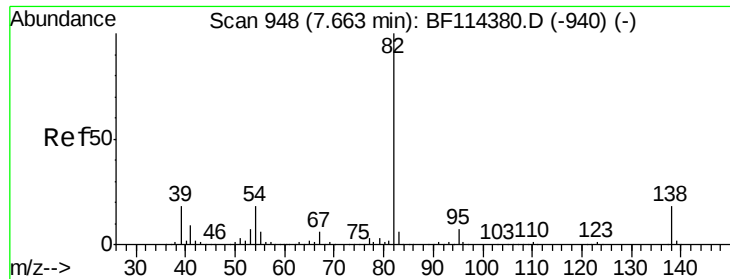
Tot Ion:136	Resp:	725701
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.8 13.2
54	9.3	7.8 11.8
68	6.4	5.1 7.7



#23
Nitrobenzene-d5
Concen: 64.023 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Tgt Ion: 82	Resp:	827893
Ion Ratio	Lower	Upper
82	100	
128	47.5	35.5 53.3
54	57.4	48.5 72.7





#25

Isophorone

Concen: 34.521 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.27 min

Lab File: BF114429.D

Acq: 20 May 2019 11:00

Instrument :

BNA_F

ClientSampled :

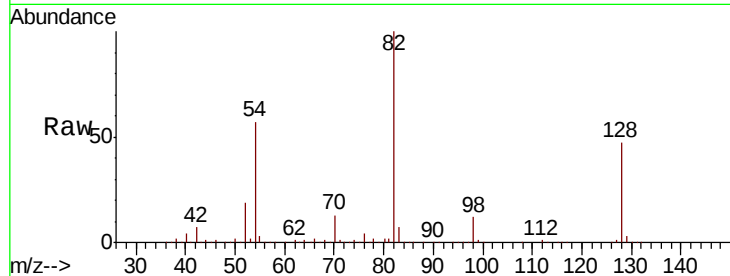
Tot Ion: 82 Resp: 827888

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

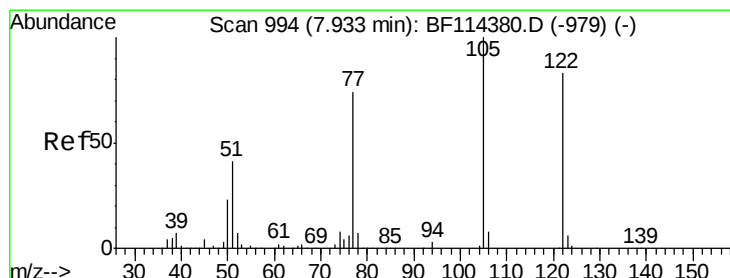
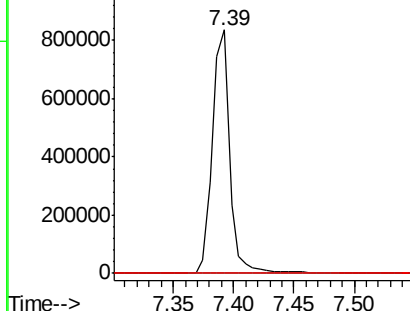
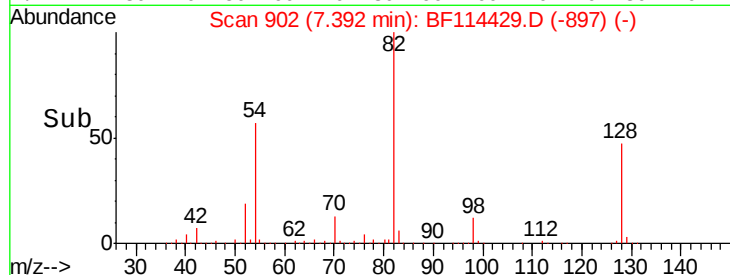
138 0.0 14.8 22.2#



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: 7.068 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF114429.D

Acq: 20 May 2019 11:00

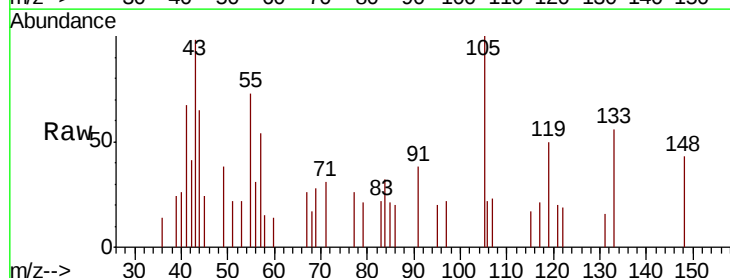
Tgt Ion: 122 Resp: 393

Ion Ratio Lower Upper

122 100

105 536.1 99.9 139.9#

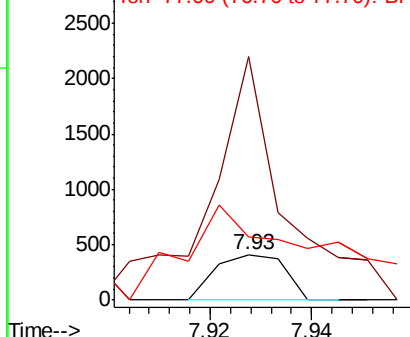
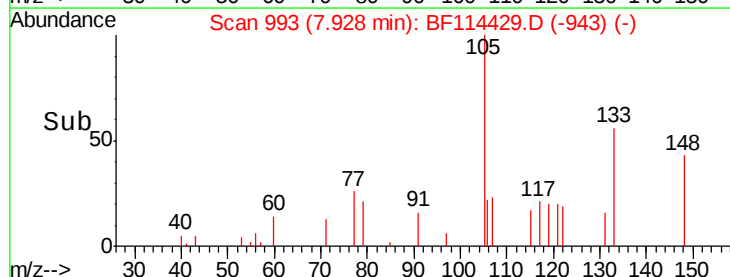
77 139.8 69.4 109.4#

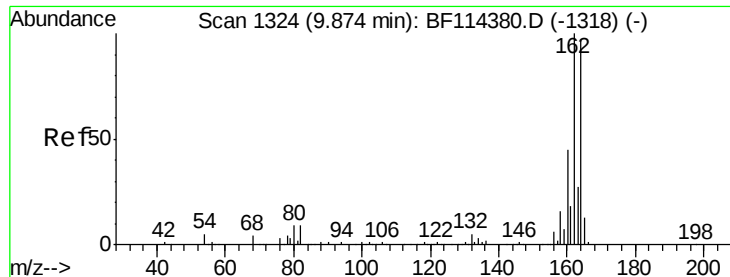


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

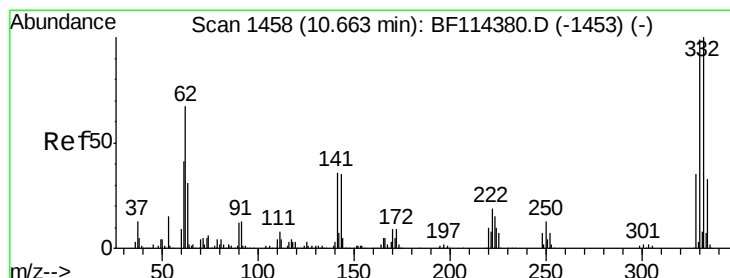
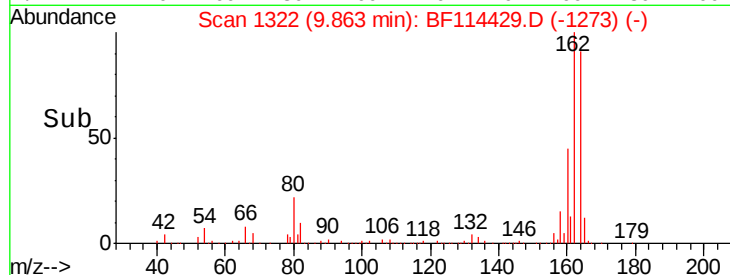
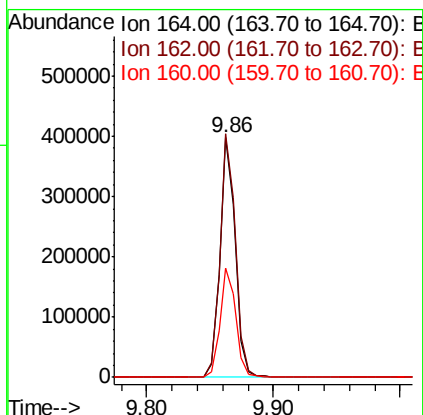
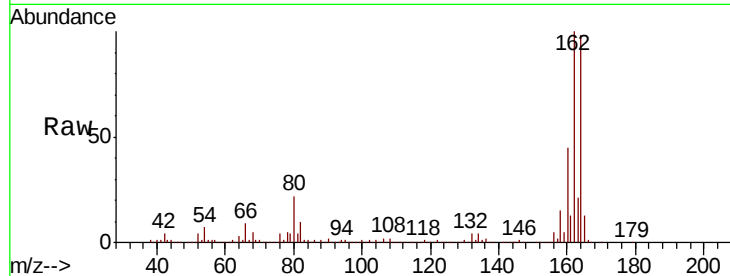




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

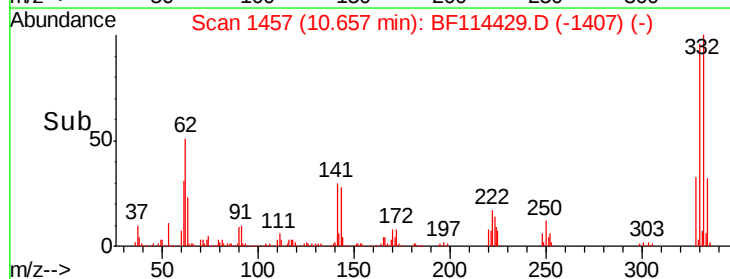
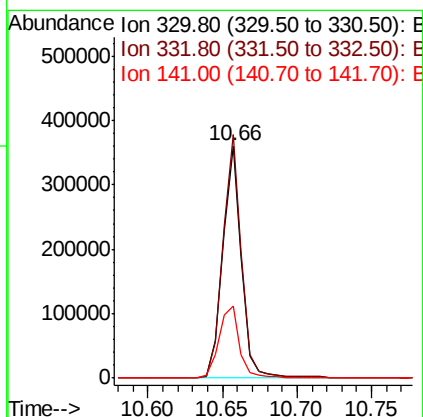
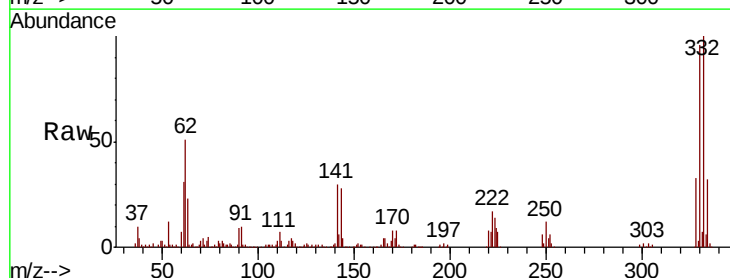
Instrument :
BNA_F
ClientSampleId :

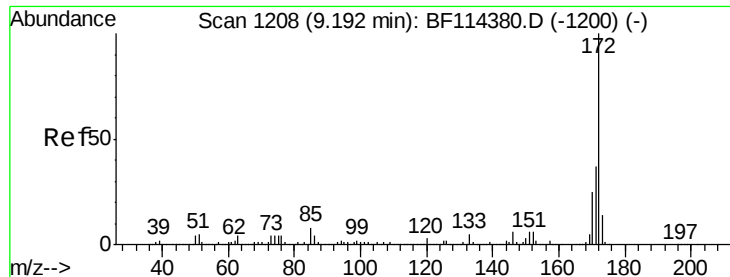
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	45.4	36.5	54.7



#42
2,4,6-Tribromophenol
Concen: 92.071 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.01 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	104.6	81.4	122.2
141	33.6	26.6	40.0

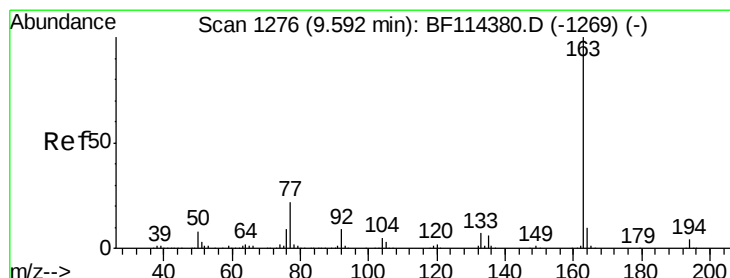
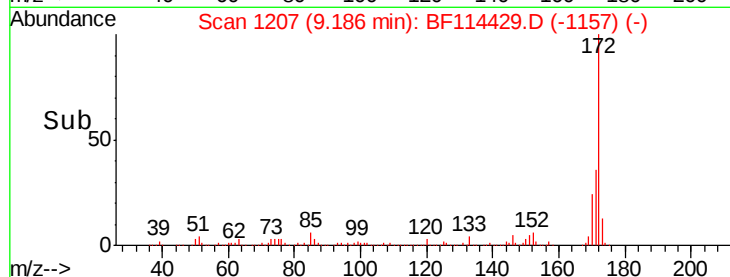
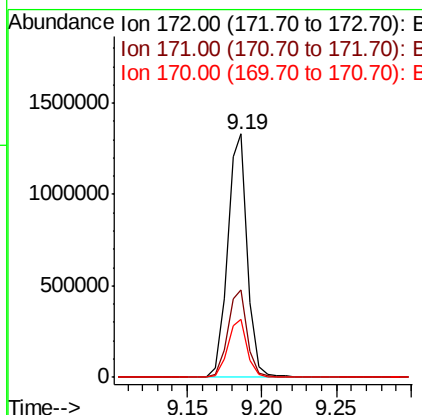
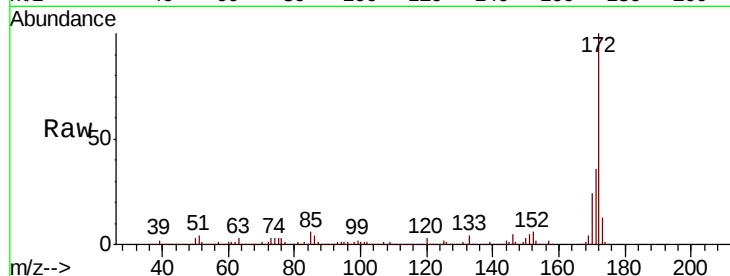




#45
2-Fluorobiphenyl
Concen: 55.772 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

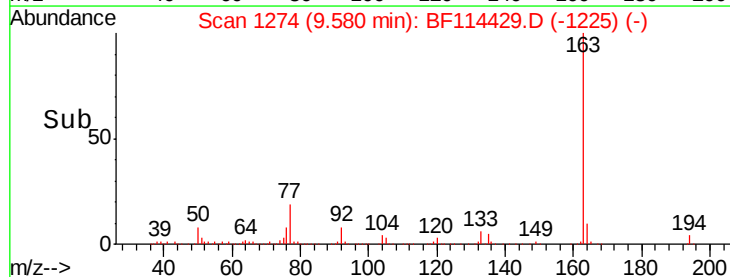
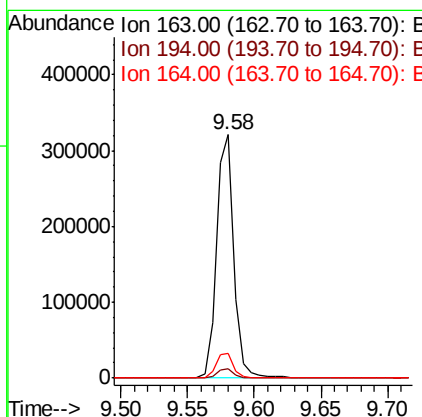
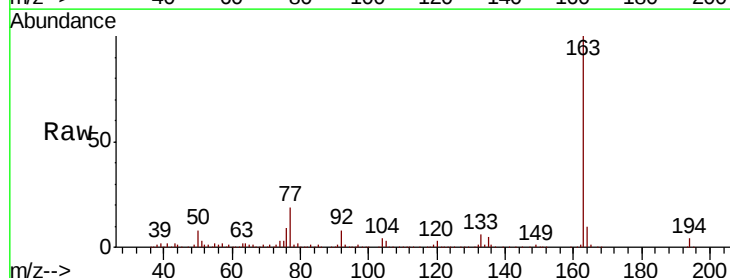
Instrument :
BNA_F
ClientSampleId :

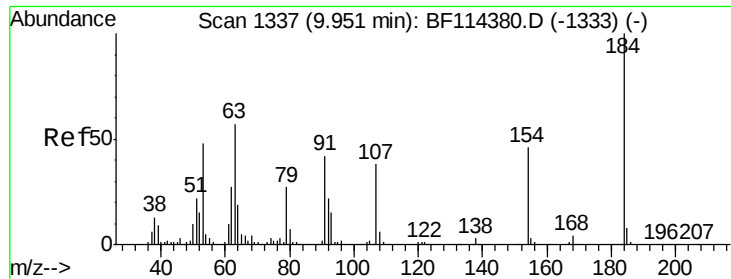
Tot Ion:172 Resp: 1249942
Ion Ratio Lower Upper
172 100
171 35.9 30.7 46.1
170 24.0 20.5 30.7



#50
Dimethylphthalate
Concen: 11.745 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Tgt Ion:163 Resp: 292292
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 10.0 8.2 12.2

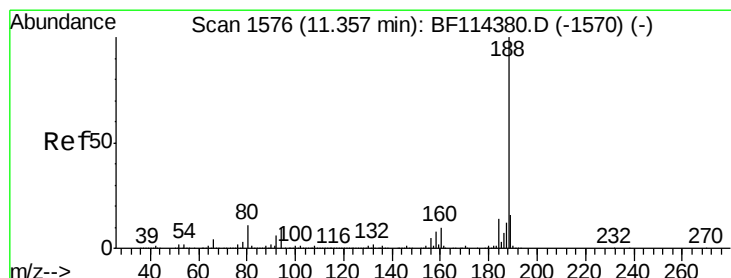
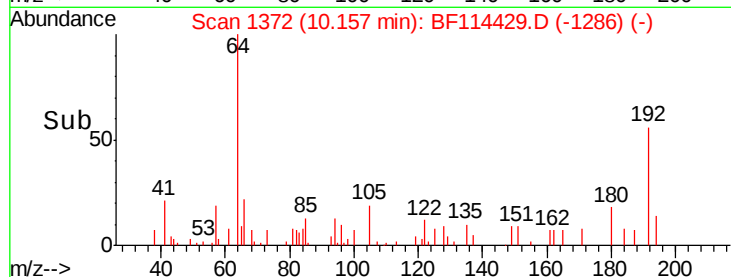
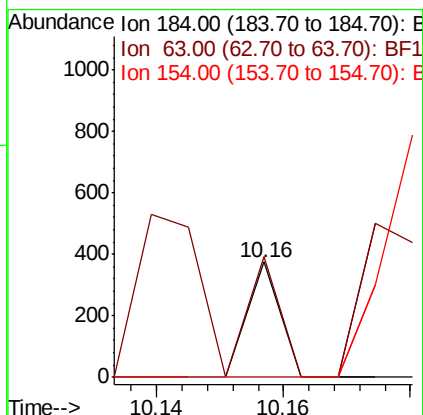
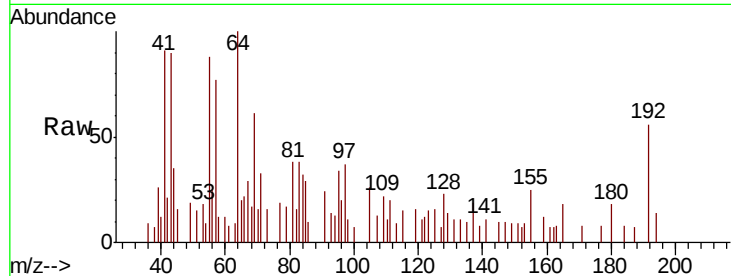




#54
 2,4-Dinitrophenol
 Concen: 6.789 ng
 RT: 10.16 min Scan# 1372
 Delta R.T. 0.21 min
 Lab File: BF114429.D
 Acq: 20 May 2019 11:00

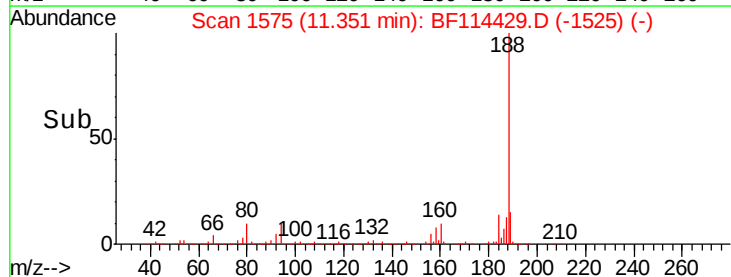
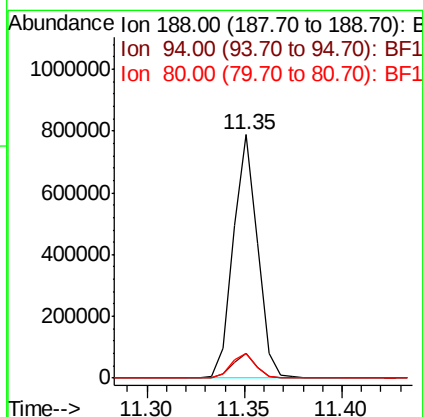
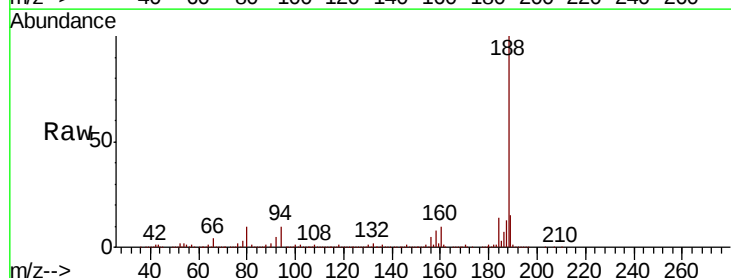
Instrument :
 BNA_F
 ClientSampled :

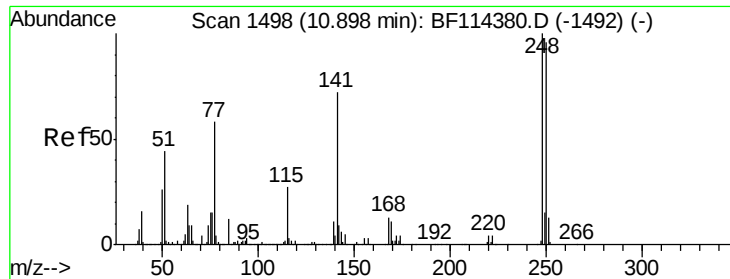
Tot Ion:184 Resp: 132
 Ion Ratio Lower Upper
 184 100
 63 105.3 55.6 83.4#
 154 0.0 46.0 69.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF114429.D
 Acq: 20 May 2019 11:00

Tgt Ion:188 Resp: 680220
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.4 12.6
 80 10.3 9.2 13.8

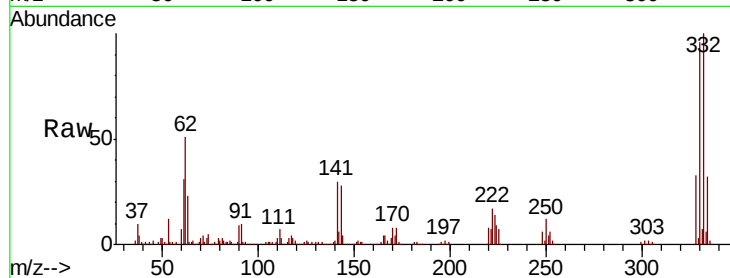




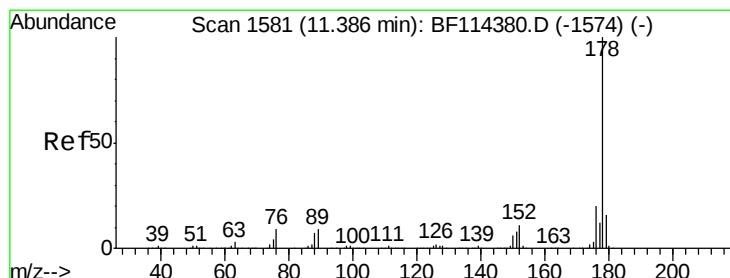
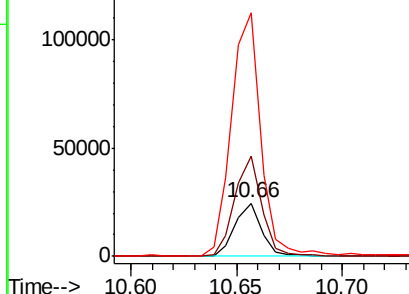
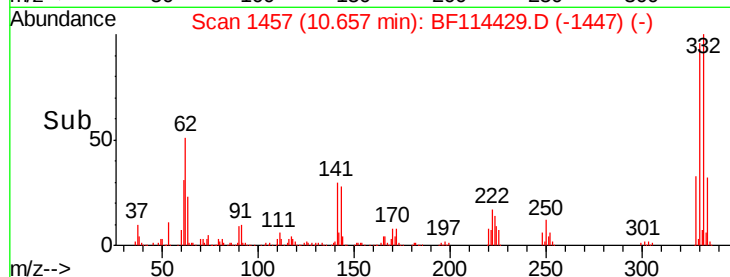
#67
 4-Bromophenyl-phenylether
 Concen: 2.851 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.24 min
 Lab File: BF114429.D
 Acq: 20 May 2019 11:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 21351
 Ion Ratio Lower Upper
 248 100
 250 189.3 77.4 116.2#
 141 459.7 55.6 83.4#

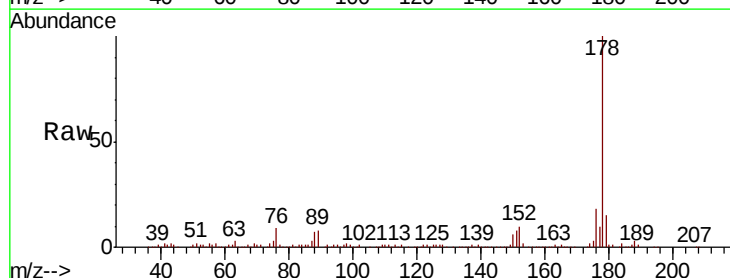


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

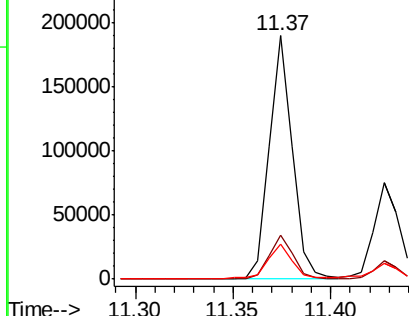
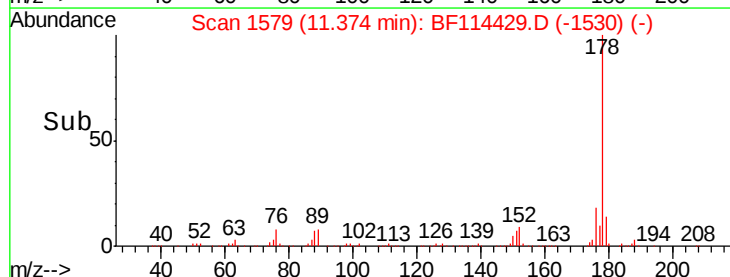


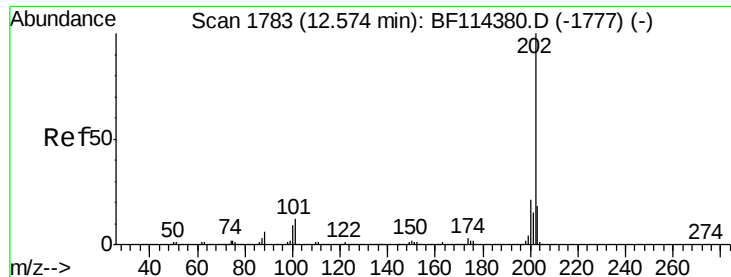
#71
 Phenanthrene
 Concen: 4.725 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF114429.D
 Acq: 20 May 2019 11:00

Tgt Ion:178 Resp: 156353
 Ion Ratio Lower Upper
 178 100
 176 18.0 16.4 24.6
 179 14.6 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

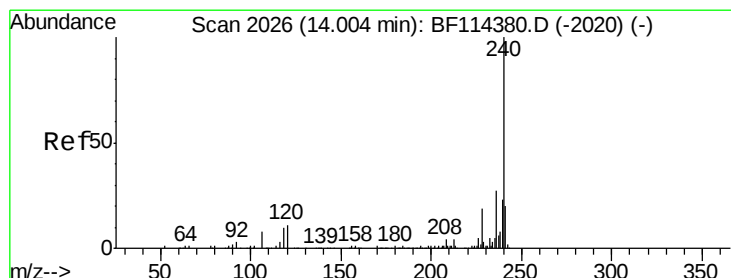
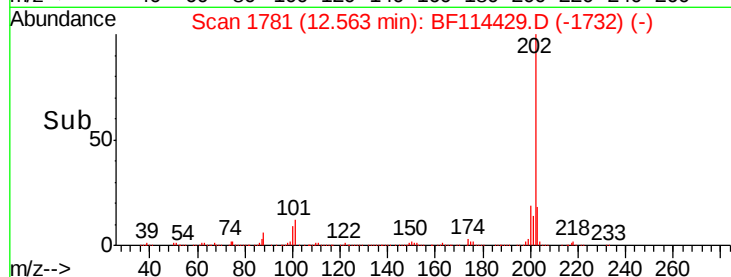
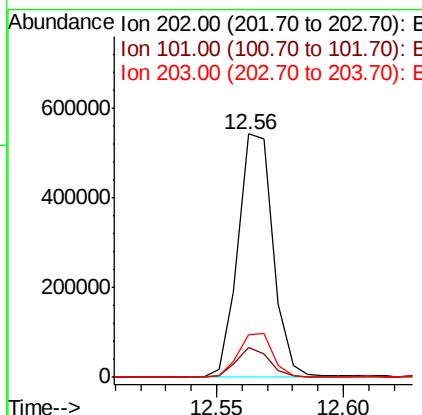
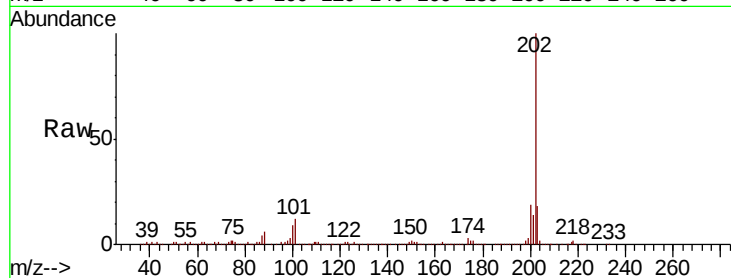




#75
 Fluoranthene
 Concen: 14.696 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. -0.01 min
 Lab File: BF114429.D
 Acq: 20 May 2019 11:00

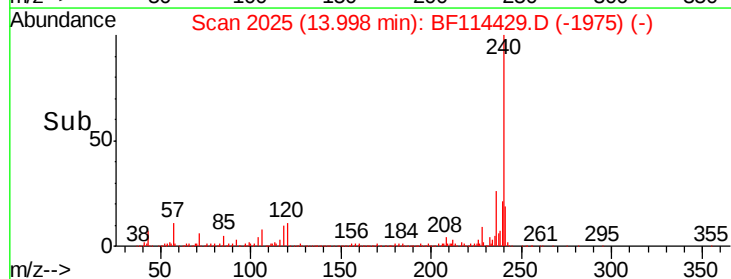
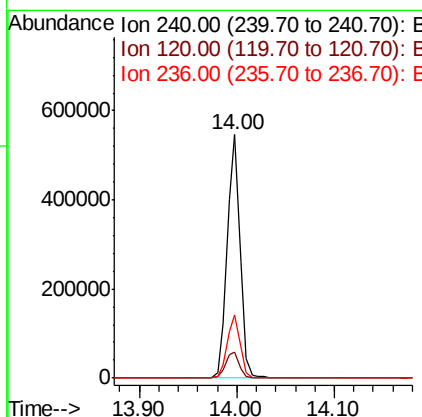
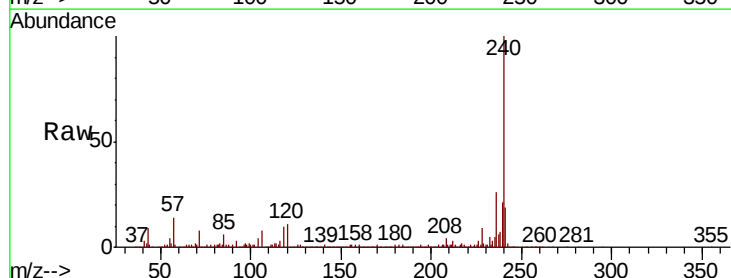
Instrument :
 BNA_F
 ClientSampleId :

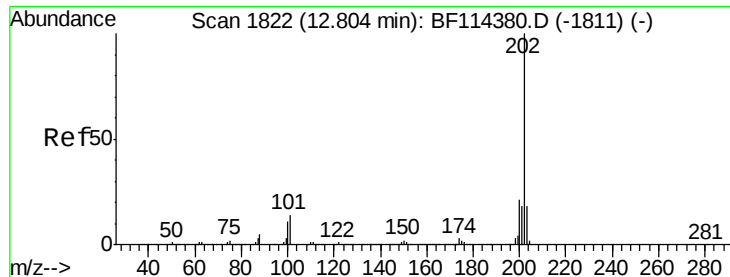
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.0
203	17.7	0.0	38.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF114429.D
 Acq: 20 May 2019 11:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.3	12.5
236	26.2	20.8	31.2





#78

Pvrene

Concen: 12.407 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF114429.D

Acq: 20 May 2019 11:00

Instrument :

BNA_F

ClientSampleId :

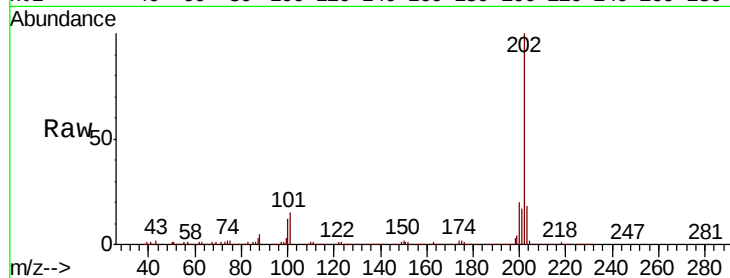
Tot Ion:202 Resp: 495038

Ion Ratio Lower Upper

202 100

200 20.1 16.9 25.3

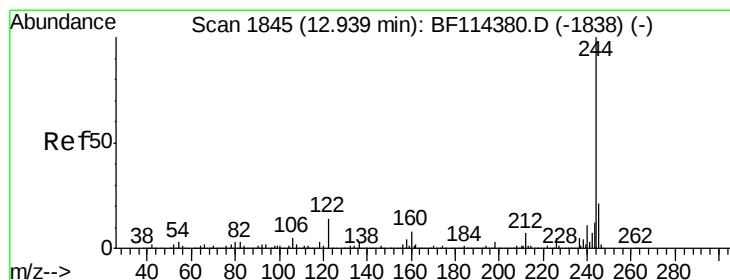
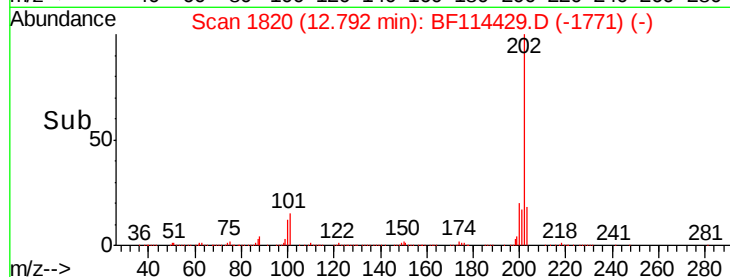
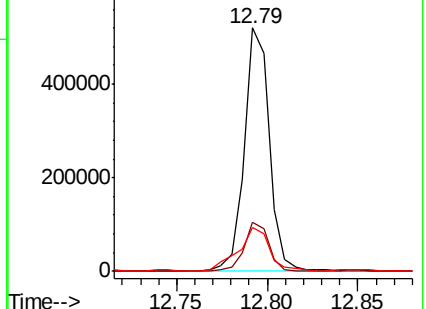
203 18.3 14.5 21.7



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: 48.732 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF114429.D

Acq: 20 May 2019 11:00

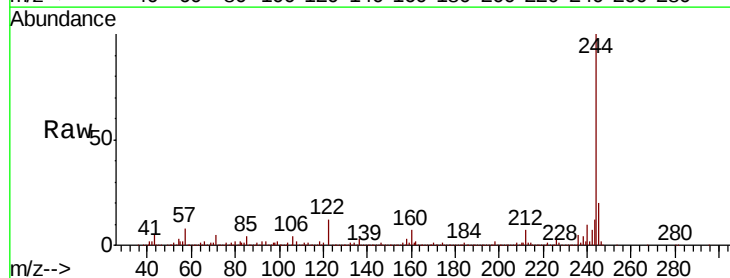
Tgt Ion:244 Resp: 1172514

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

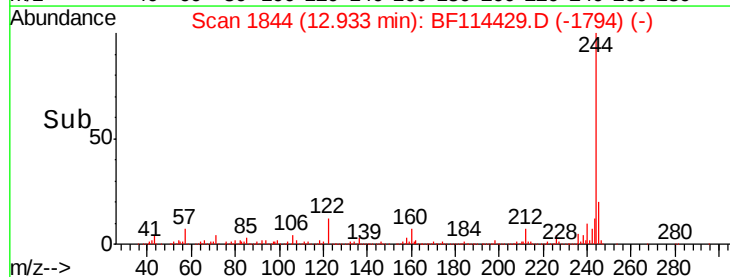
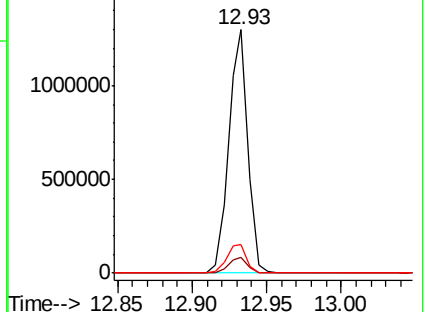
122 11.6 9.4 14.2

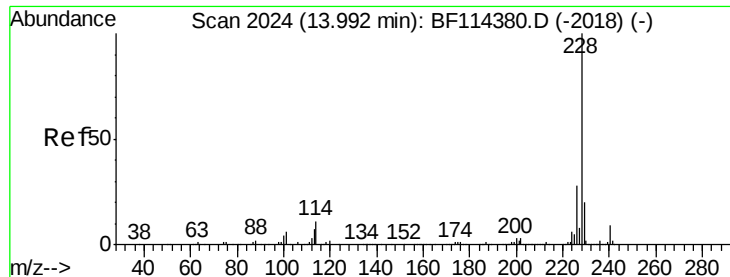


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

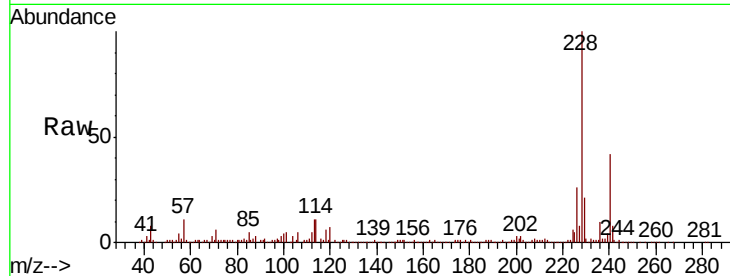




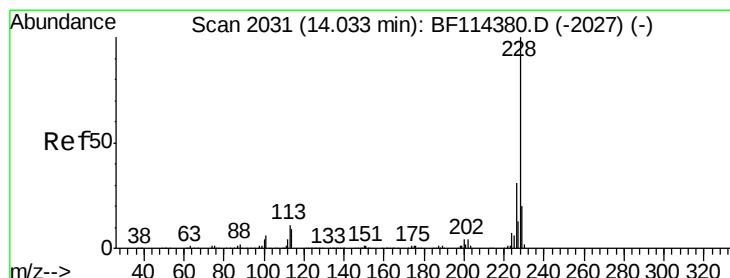
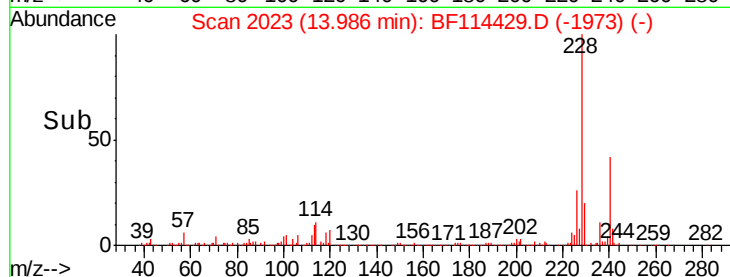
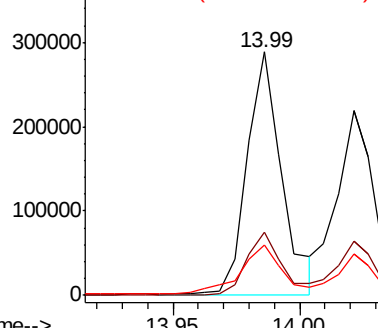
#81
Benzo(a)anthracene
Concen: 8.577 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 275164
Ion Ratio Lower Upper
228 100
226 26.0 22.2 33.2
229 20.8 16.4 24.6

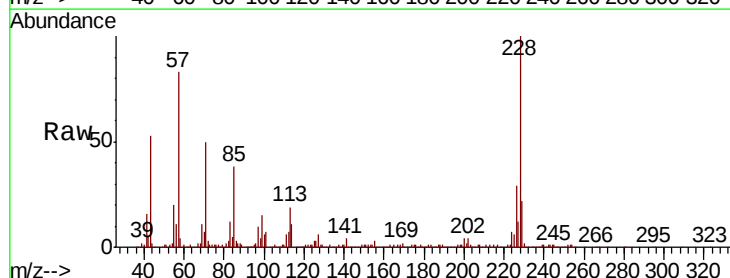


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

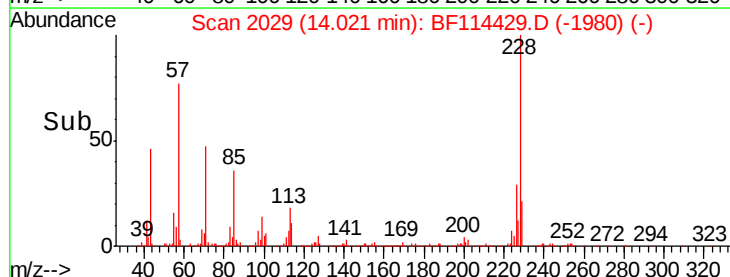
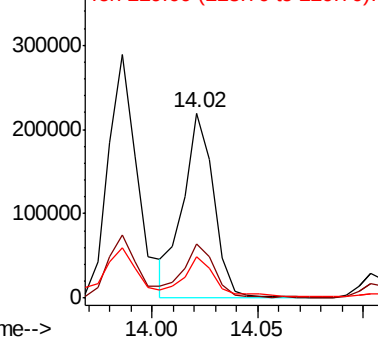


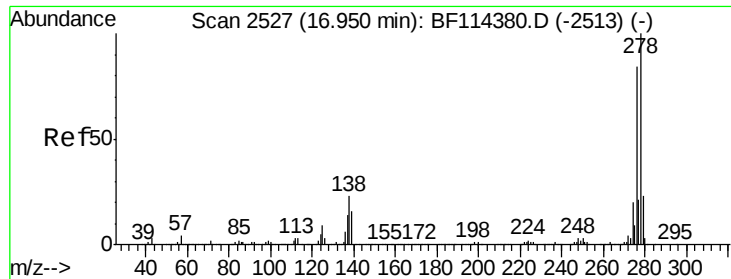
#83
Chrysene
Concen: 6.993 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Tgt Ion:228 Resp: 219909
Ion Ratio Lower Upper
228 100
226 29.4 25.0 37.6
229 22.2 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: 3.943 ng

RT: 16.96 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BF114429.D

Acq: 20 May 2019 11:00

Instrument :

BNA_F

ClientSampleId :

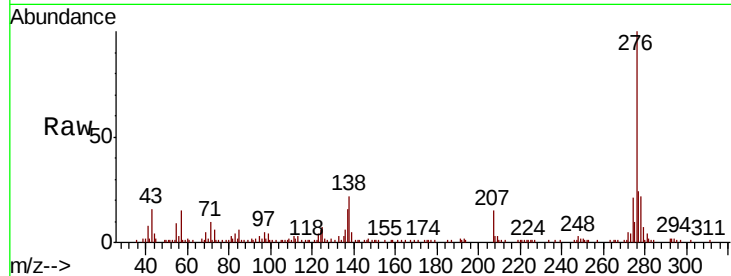
Tot Ion:276 Resp: 109585

Ion Ratio Lower Upper

276 100

138 23.3 20.2 30.2

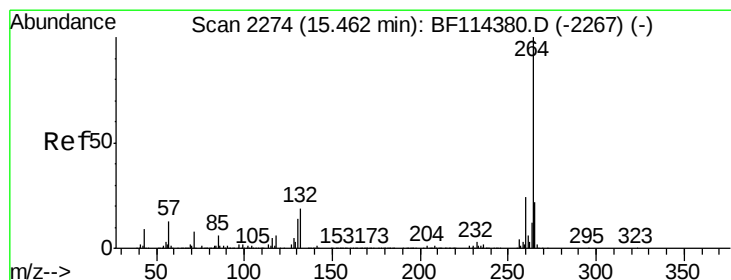
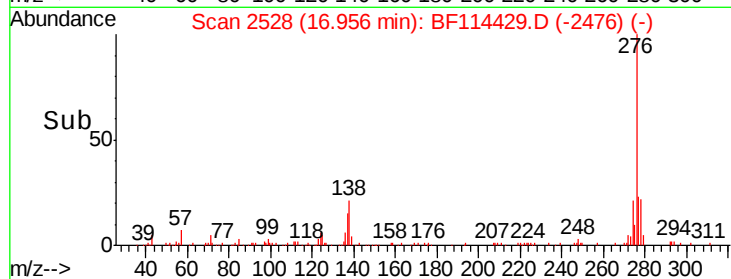
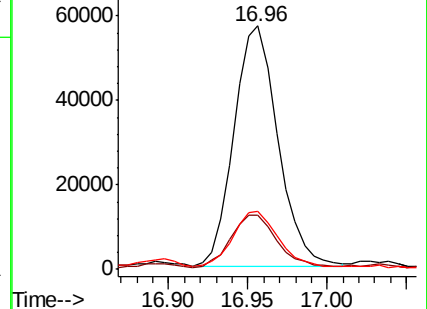
277 23.5 20.0 30.0



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: 15.48 min Scan# 2277

Delta R.T. 0.02 min

Lab File: BF114429.D

Acq: 20 May 2019 11:00

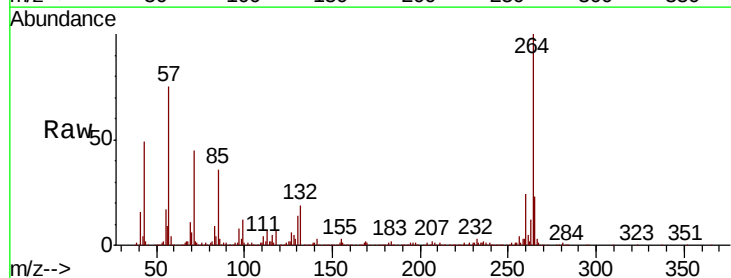
Tgt Ion:264 Resp: 477141

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

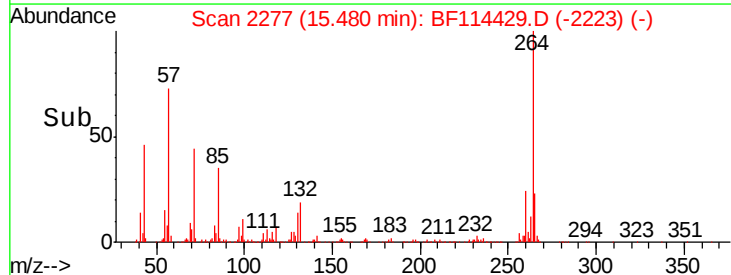
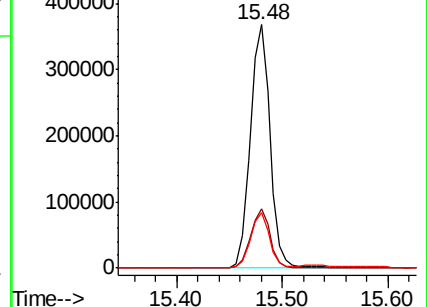
265 22.8 16.9 25.3

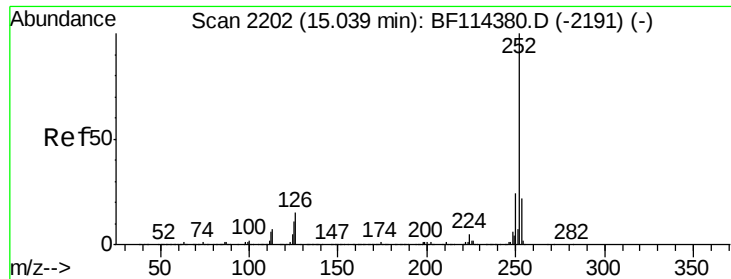


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

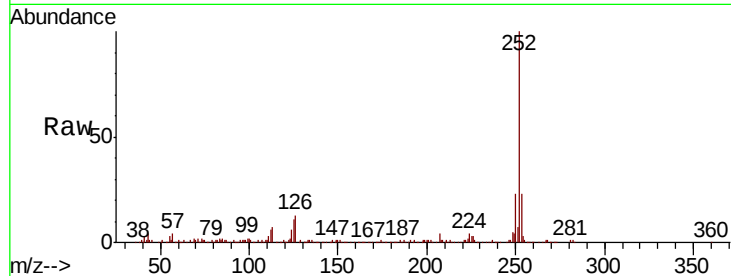




#88
Benzo(b)fluoranthene
Concen: 10.909 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.3	8.3	12.5

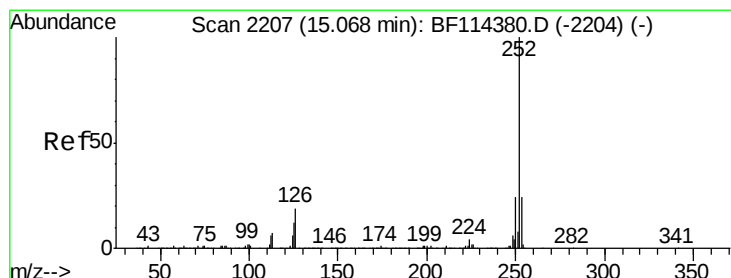
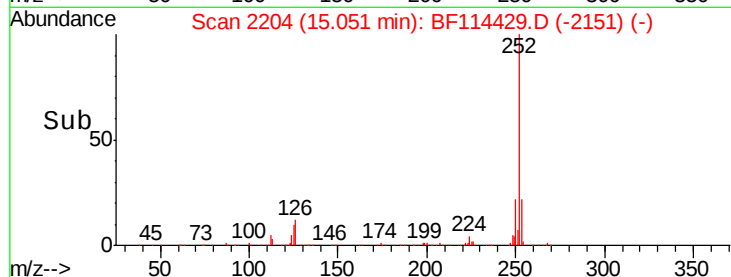
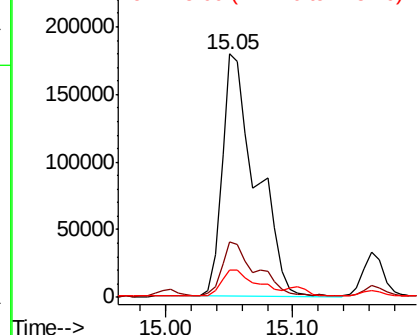


Abundance

Ion 252.00 (251.70 to 252.70): E

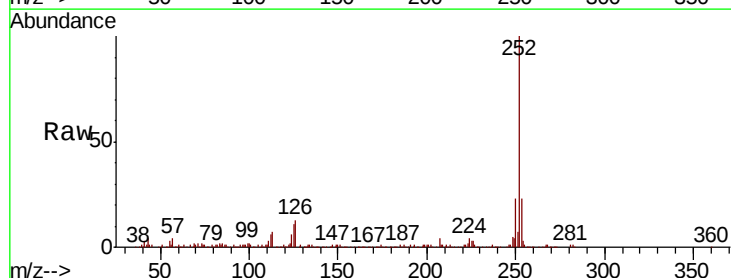
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 11.876 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	11.3	8.6	13.0

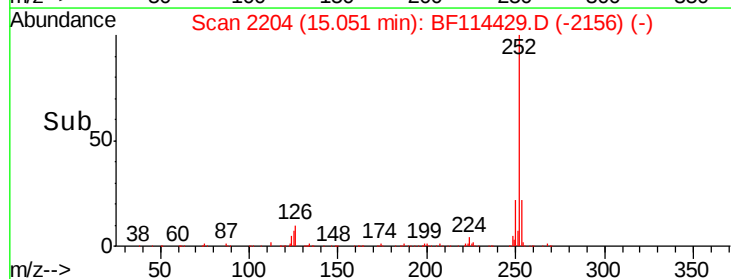
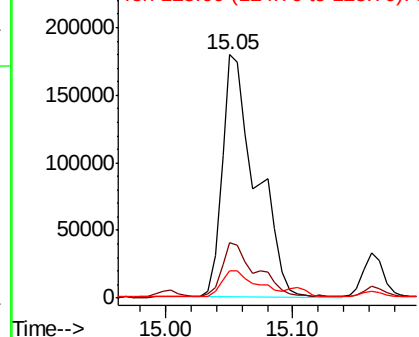


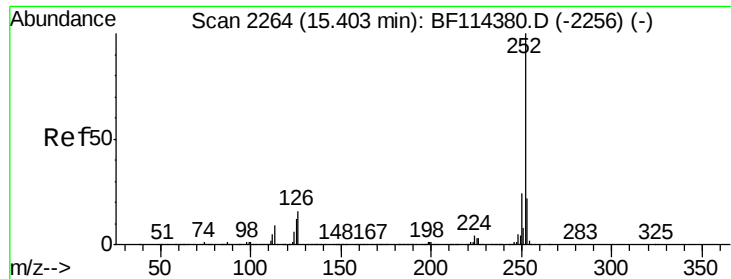
Abundance

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

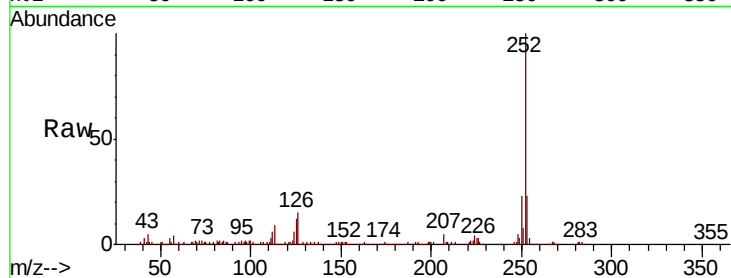




#90
Benzo(a)pyrene
Concen: 7.020 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	12.4	9.5	14.3

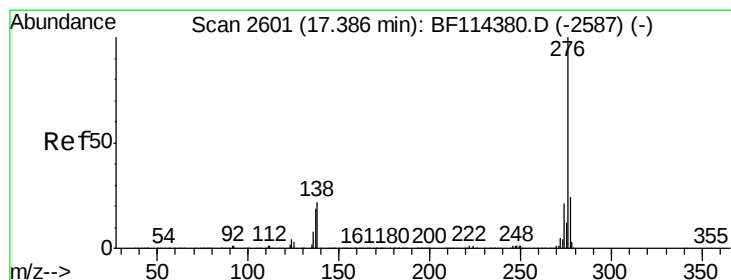
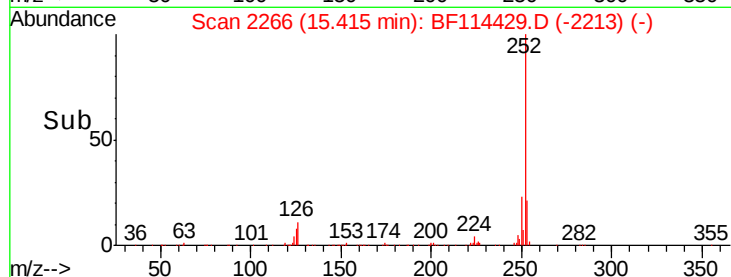
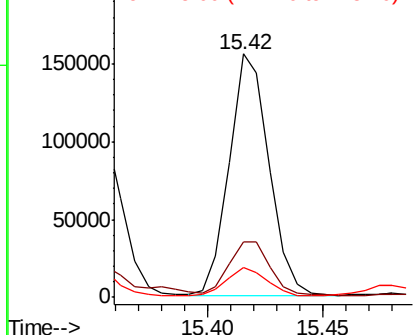


Abundance

Ion 252.00 (251.70 to 252.70): E

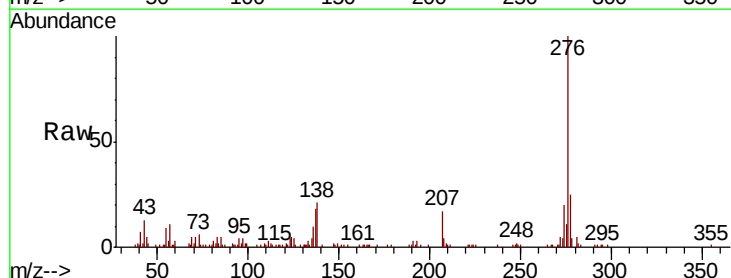
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.689 ng
RT: 17.40 min Scan# 2603
Delta R.T. 0.01 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.4
138	21.2	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

