

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062022\
 Data File : BF128879.D
 Acq On : 20 Jun 2022 16:24
 Operator : CG\JU
 Sample : N3373-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-1N

Quant Time: Jun 21 01:15:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 21 00:40:09 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

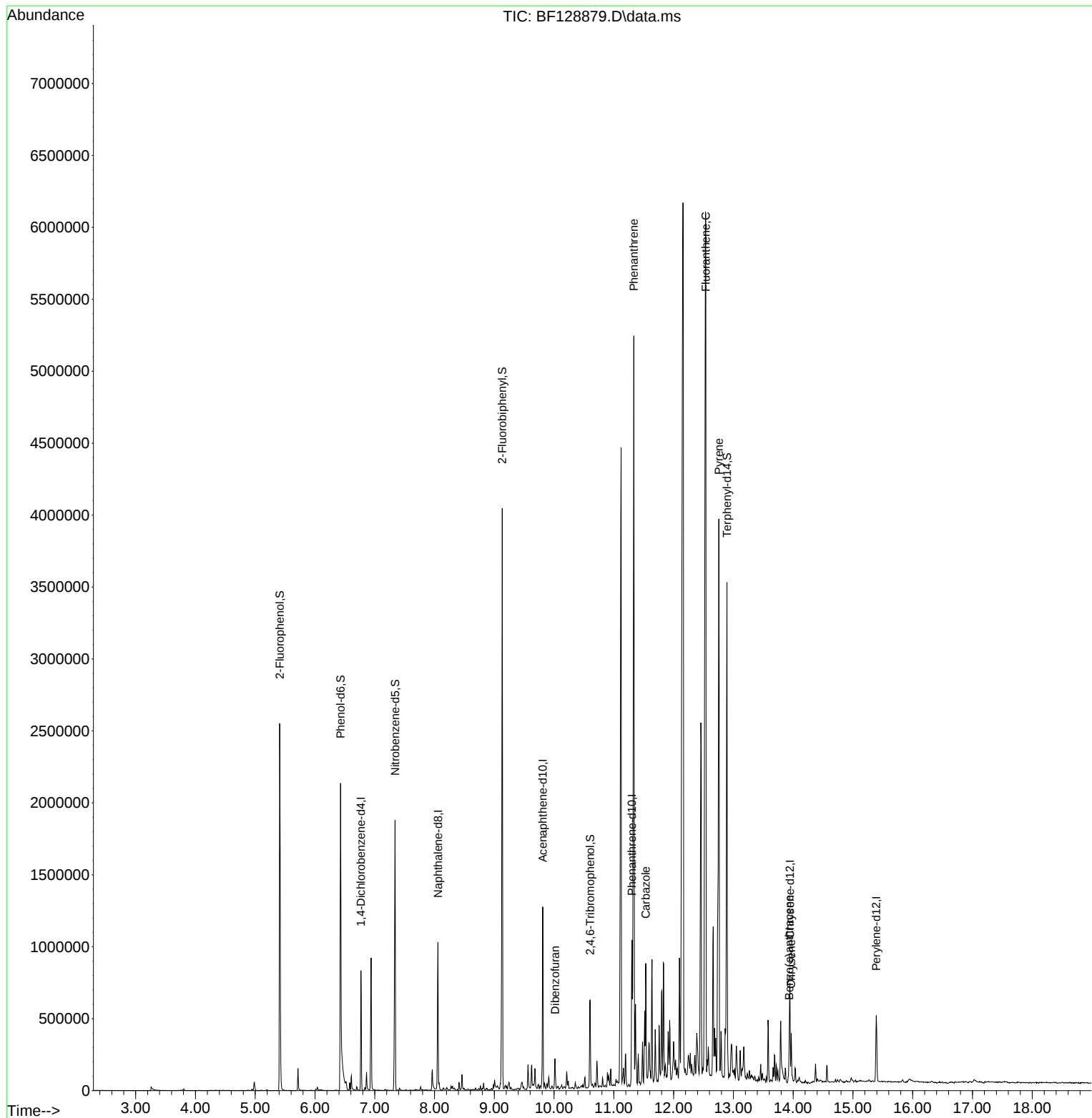
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	110080	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	417122	20.000	ng	# 0.00
39) Acenaphthene-d10	9.810	164	235798	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	412538	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	221163	20.000	ng	# 0.00
86) Perylene-d12	15.392	264	198506	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	565487	81.825	ng	0.00
7) Phenol-d6	6.428	99	813962	96.486	ng	-0.01
23) Nitrobenzene-d5	7.340	82	584879	65.283	ng	-0.01
42) 2,4,6-Tribromophenol	10.604	330	66661	23.927	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	1152786	68.483	ng	0.00
79) Terphenyl-d14	12.892	244	1104363	86.768	ng	0.00
Target Compounds						
						Qvalue
55) Dibenzofuran	10.016	168	62250	3.218	ng	96
71) Phenanthrene	11.333	178	2037254	98.456	ng	100
73) Carbazole	11.533	167	287496	15.114	ng	98
75) Fluoranthene	12.539	202	3448908	159.455	ng	98
78) Pyrene	12.757	202	1708859	103.854	ng	99
81) Benzo(a)anthracene	13.933	228	46744	3.391	ng	98
83) Chrysene	13.968	228	113322	8.622	ng	97

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

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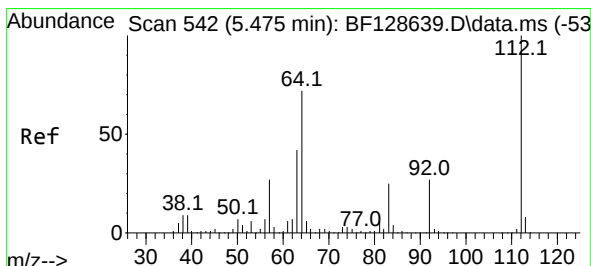
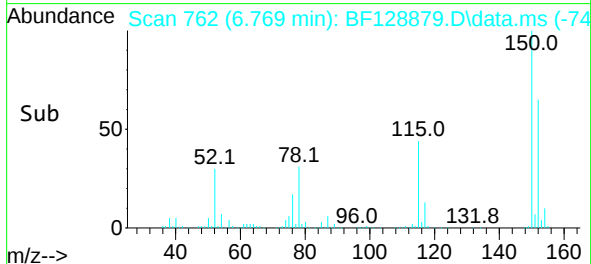
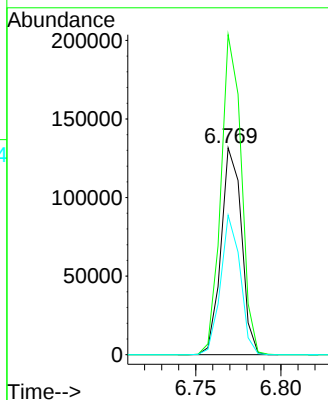
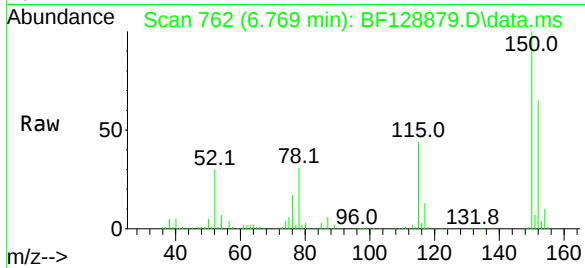




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF128879.D
Acq: 20 Jun 2022 16:24

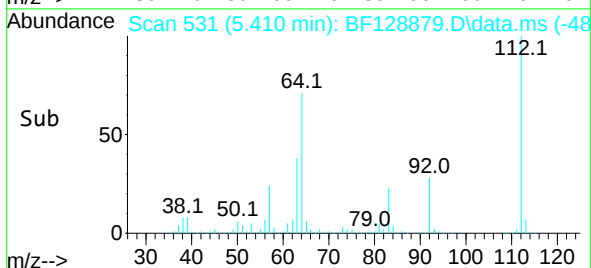
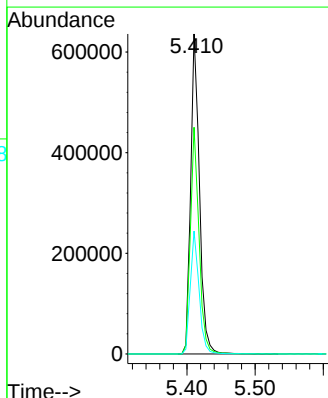
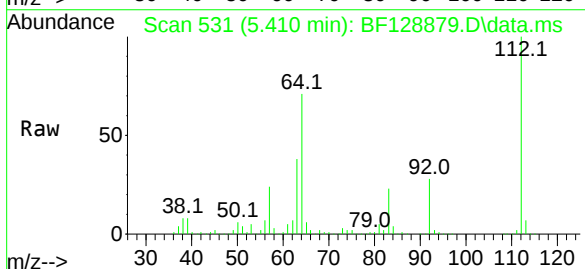
Instrument :
BNA_F
ClientSampleId :
SC-1N

Tgt Ion:152 Resp: 110080
Ion Ratio Lower Upper
152 100
150 154.7 123.7 185.5
115 67.5 49.9 74.9



#5
2-Fluorophenol
Concen: 81.825 ng
RT: 5.410 min Scan# 531
Delta R.T. -0.000 min
Lab File: BF128879.D
Acq: 20 Jun 2022 16:24

Tgt Ion:112 Resp: 565487
Ion Ratio Lower Upper
112 100
64 70.9 53.3 79.9
63 38.4 28.0 42.0

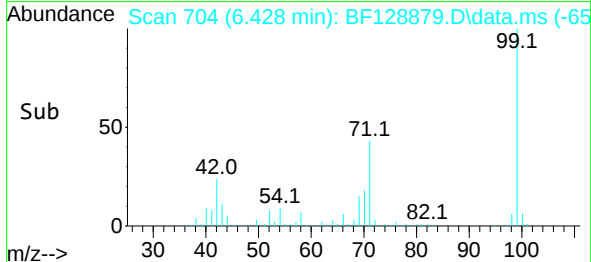
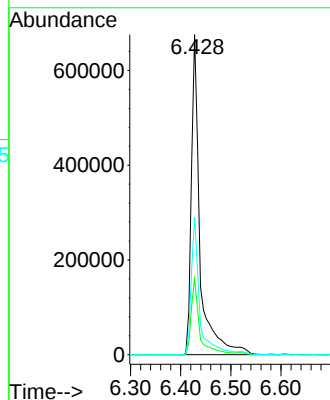
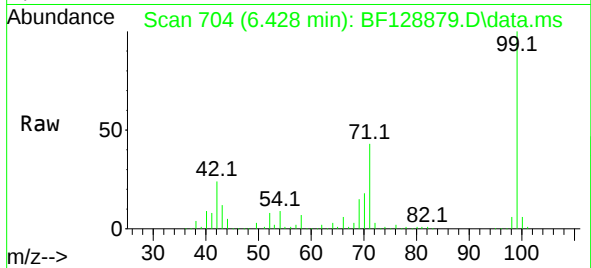




#7
Phenol-d6
Concen: 96.486 ng
RT: 6.428 min Scan# 704
Delta R.T. -0.012 min
Lab File: BF128879.D
Acq: 20 Jun 2022 16:24

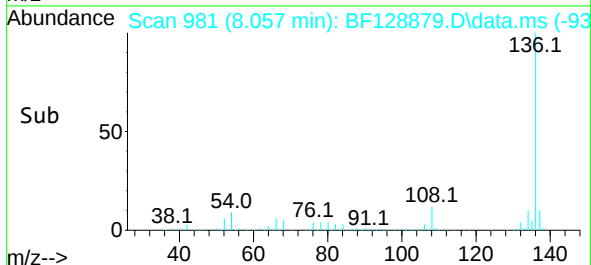
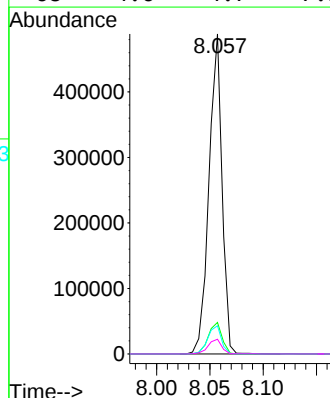
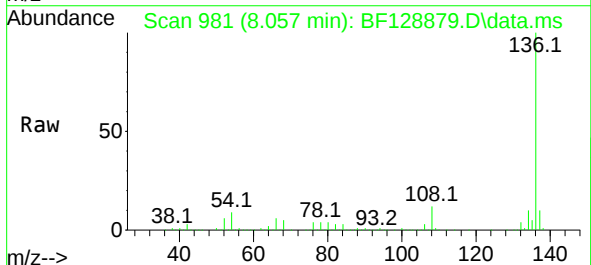
Instrument :
BNA_F
ClientSampleId :
SC-1N

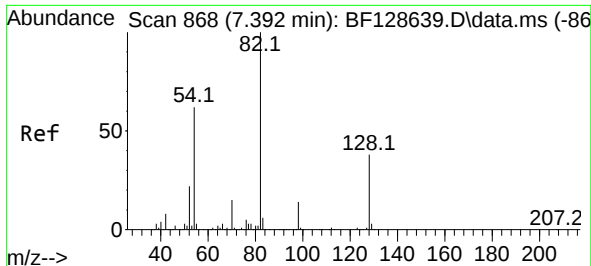
Tgt Ion: 99 Resp: 813962
Ion Ratio Lower Upper
99 100
42 23.7 17.3 25.9
71 43.0 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 981
Delta R.T. -0.006 min
Lab File: BF128879.D
Acq: 20 Jun 2022 16:24

Tgt Ion: 136 Resp: 417122
Ion Ratio Lower Upper
136 100
137 9.9 8.8 13.2
54 8.8 7.5 11.3
68 4.6 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 65.283 ng

RT: 7.340 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128879.D

Acq: 20 Jun 2022 16:24

Instrument :

BNA_F

ClientSampleId :

SC-1N

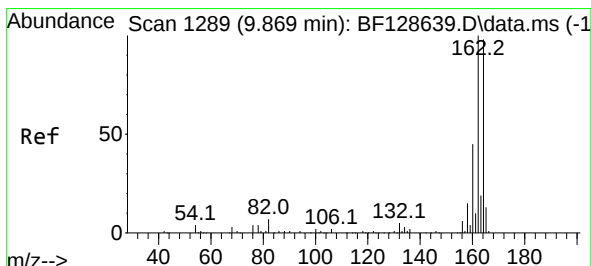
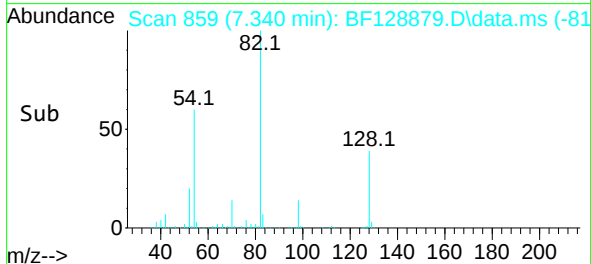
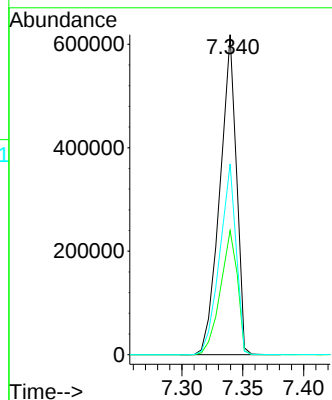
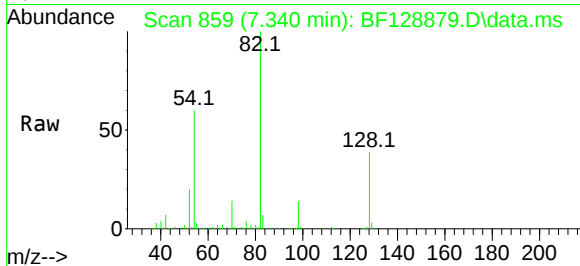
Tgt Ion: 82 Resp: 584879

Ion Ratio Lower Upper

82 100

128 38.8 34.0 51.0

54 59.6 46.9 70.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1279

Delta R.T. -0.006 min

Lab File: BF128879.D

Acq: 20 Jun 2022 16:24

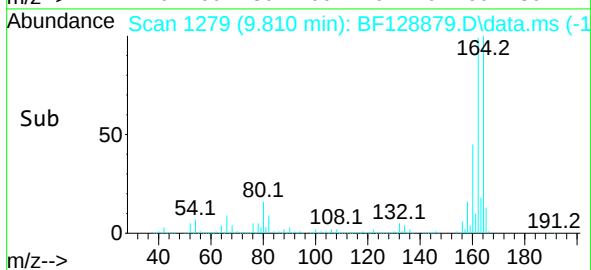
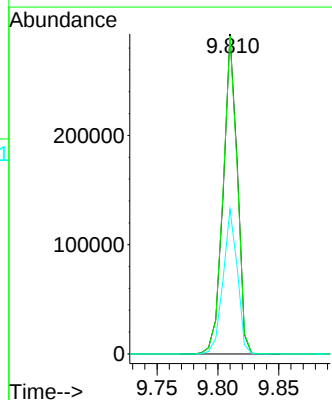
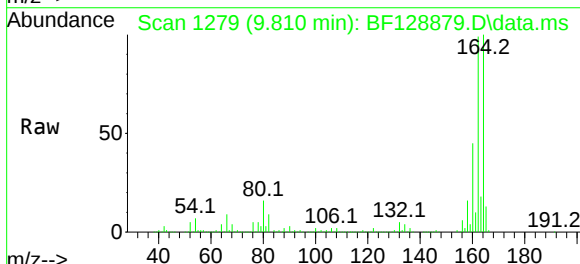
Tgt Ion:164 Resp: 235798

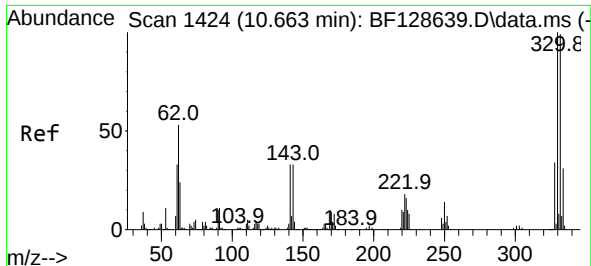
Ion Ratio Lower Upper

164 100

162 99.4 79.5 119.3

160 45.3 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 23.927 ng

RT: 10.604 min Scan# 1414

Delta R.T. -0.006 min

Lab File: BF128879.D

Acq: 20 Jun 2022 16:24

Instrument :

BNA_F

ClientSampleId :

SC-1N

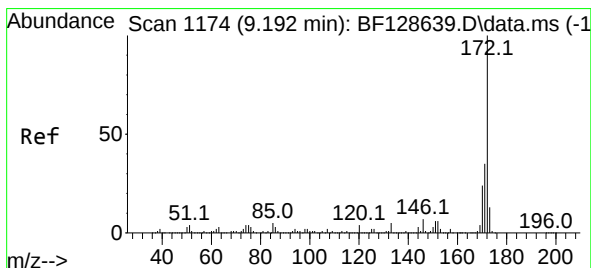
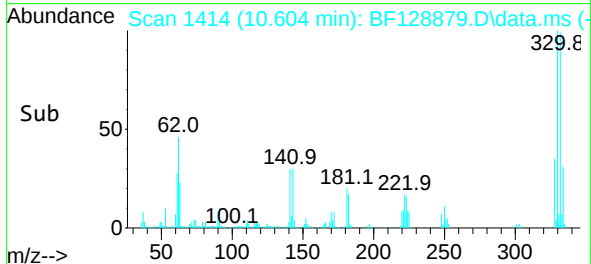
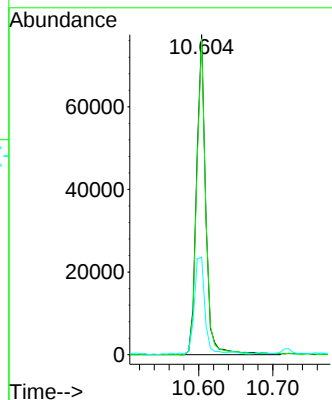
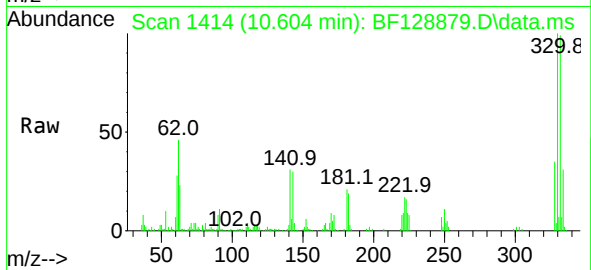
Tgt Ion:330 Resp: 66661

Ion Ratio Lower Upper

330 100

332 96.9 76.8 115.2

141 34.2 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 68.483 ng

RT: 9.133 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF128879.D

Acq: 20 Jun 2022 16:24

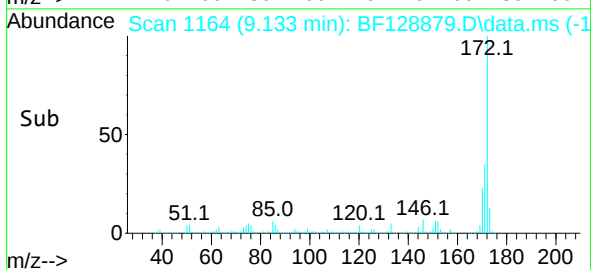
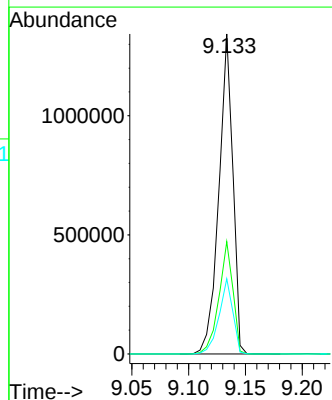
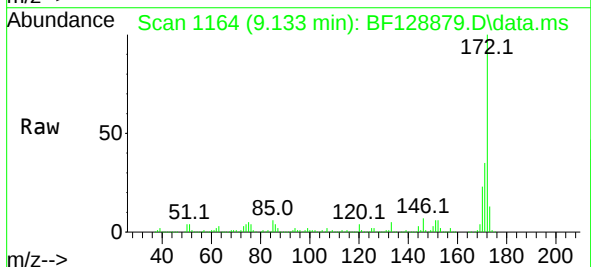
Tgt Ion:172 Resp: 1152786

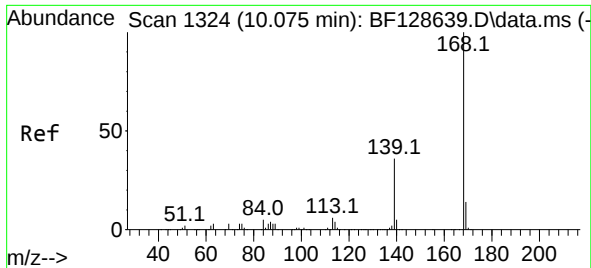
Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.5 19.8 29.8

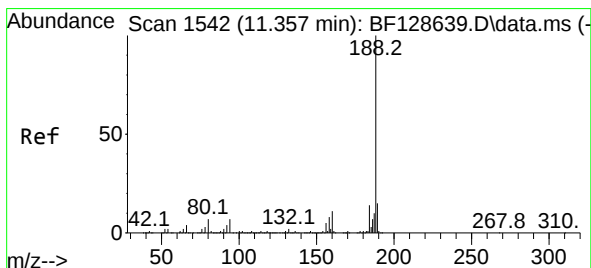
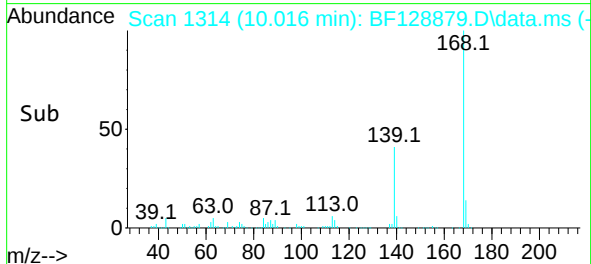
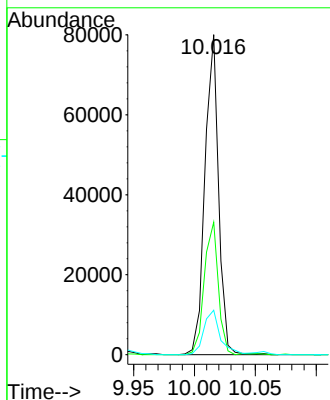
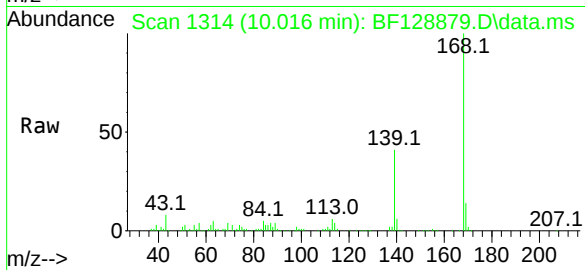




#55
Dibenzenofuran
Concen: 3.218 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128879.D
Acq: 20 Jun 2022 16:24

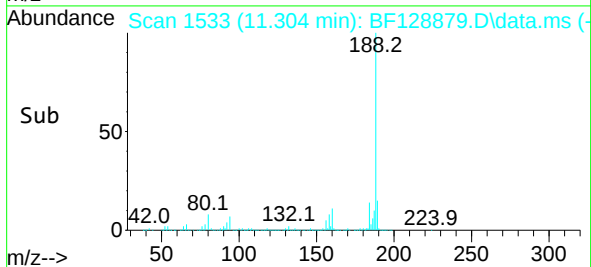
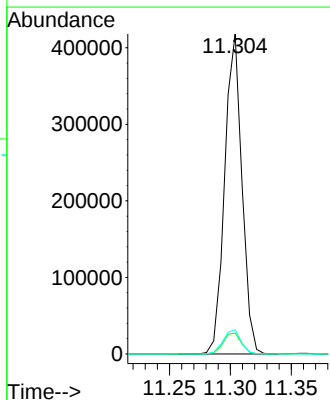
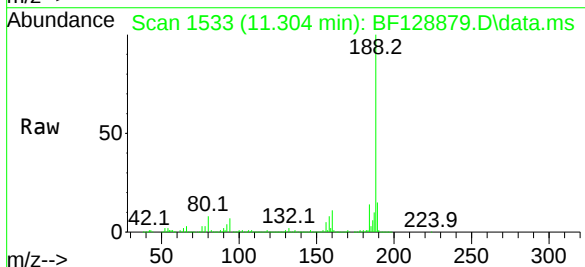
Instrument :
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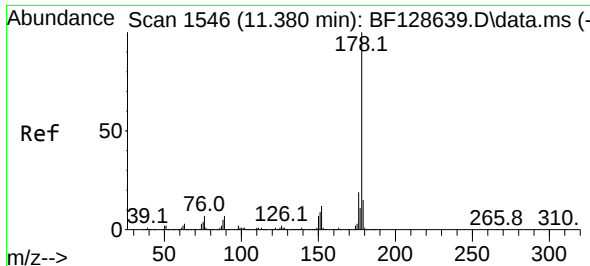
Tgt Ion:168 Resp: 62250
Ion Ratio Lower Upper
168 100
139 41.4 30.6 46.0
169 13.9 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1533
Delta R.T. -0.000 min
Lab File: BF128879.D
Acq: 20 Jun 2022 16:24

Tgt Ion:188 Resp: 412538
Ion Ratio Lower Upper
188 100
94 6.6 7.0 10.6#
80 7.6 7.6 11.4

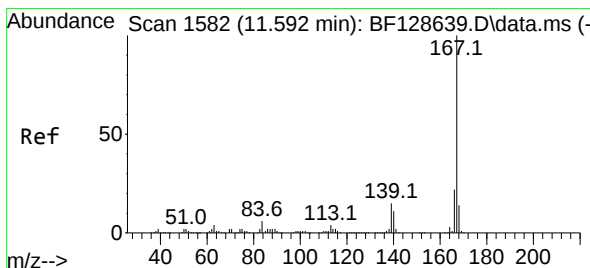
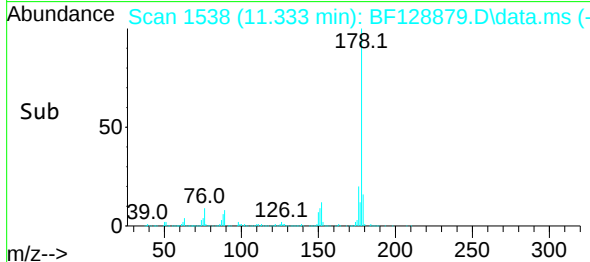
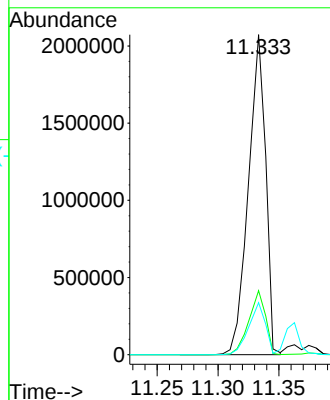
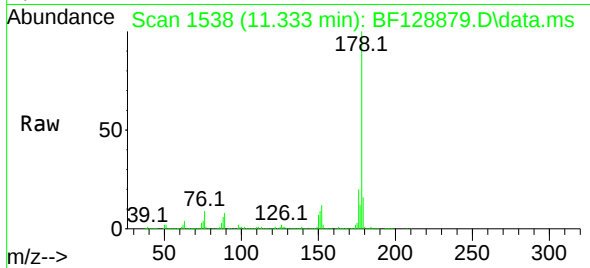




#71
Phenanthrene
Concen: 98.456 ng
RT: 11.333 min Scan# 1538
Delta R.T. -0.000 min
Lab File: BF128879.D
Acq: 20 Jun 2022 16:24

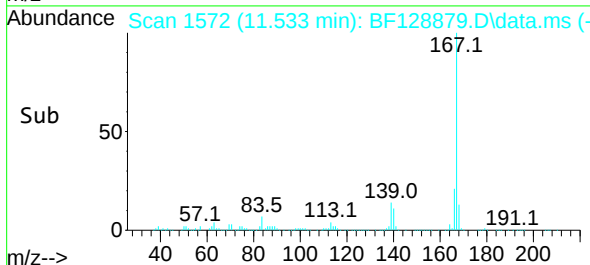
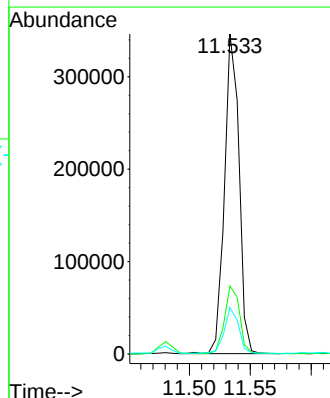
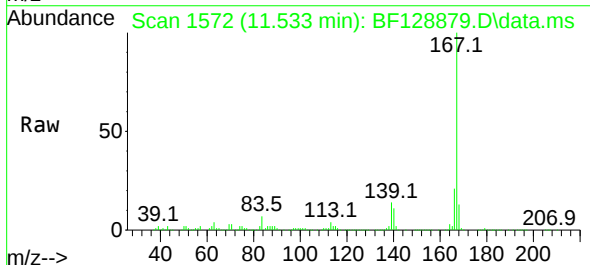
Instrument :
BNA_F
ClientSampleId :
SC-1N

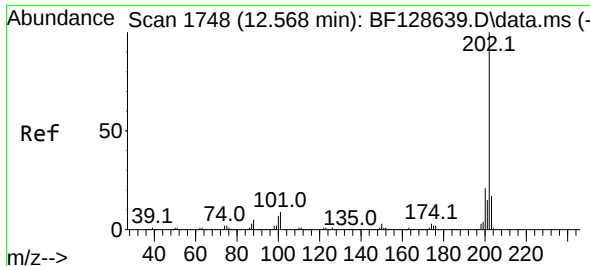
Tgt Ion:178 Resp: 2037254
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 16.2 12.6 19.0



#73
Carbazole
Concen: 15.114 ng
RT: 11.533 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF128879.D
Acq: 20 Jun 2022 16:24

Tgt Ion:167 Resp: 287496
Ion Ratio Lower Upper
167 100
166 21.3 17.7 26.5
139 14.5 11.2 16.8

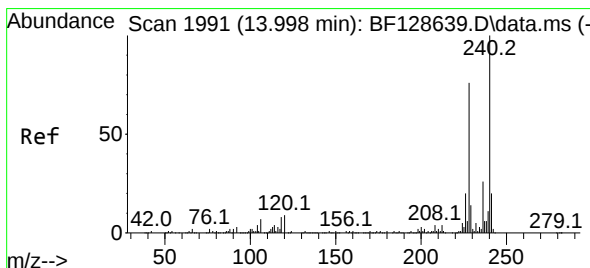
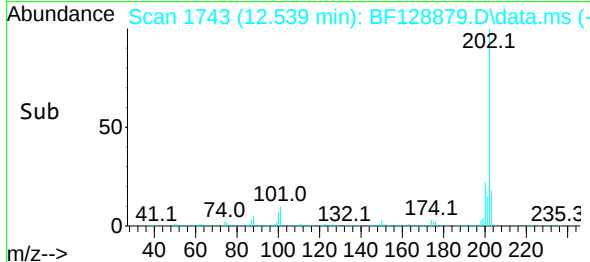
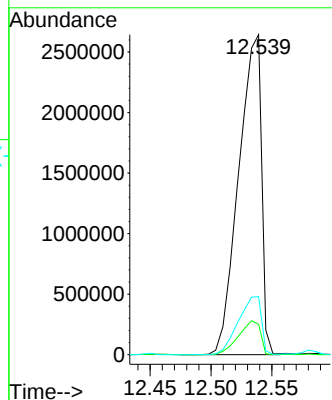
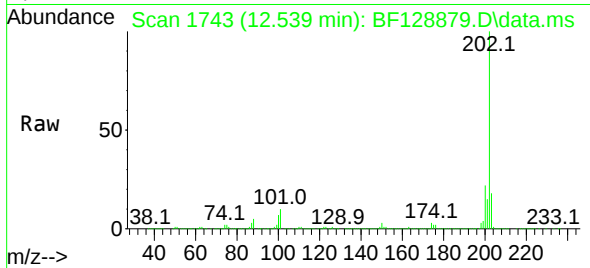




#75
Fluoranthene
Concen: 159.455 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF128879.D
Acq: 20 Jun 2022 16:24

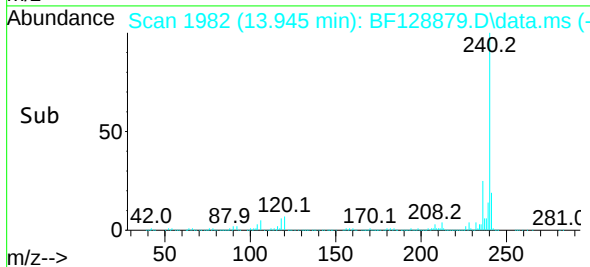
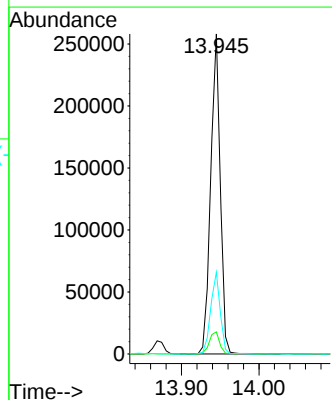
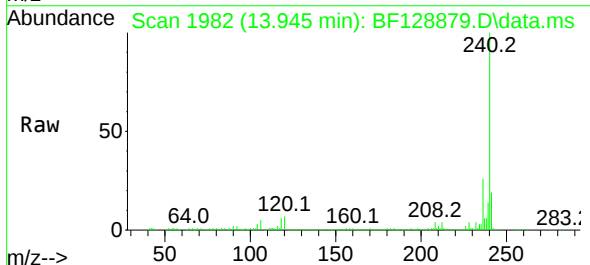
Instrument :
BNA_F
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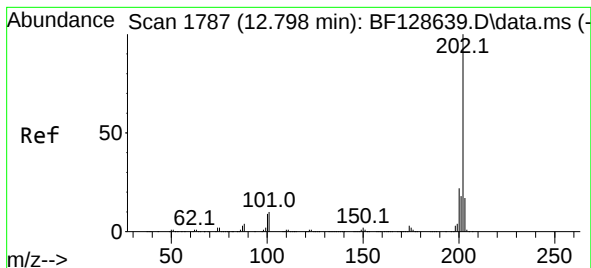
Tgt Ion:202 Resp: 3448908
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.4
203 18.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BF128879.D
Acq: 20 Jun 2022 16:24

Tgt Ion:240 Resp: 221163
Ion Ratio Lower Upper
240 100
120 6.9 8.9 13.3#
236 25.5 20.8 31.2





#78

Pyrene

Concen: 103.854 ng

RT: 12.757 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF128879.D

Acq: 20 Jun 2022 16:24

Instrument :

BNA_F

ClientSampleId :

SC-1N

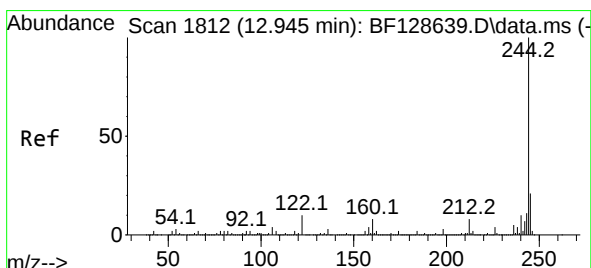
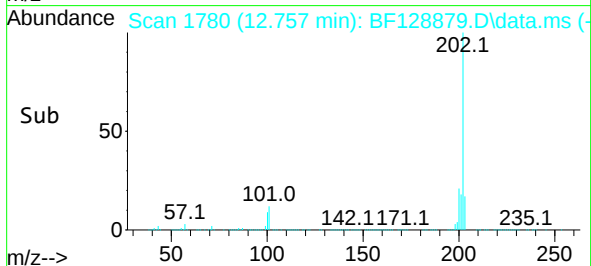
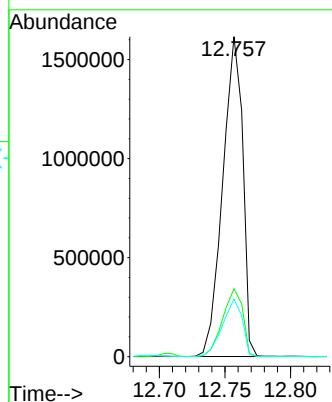
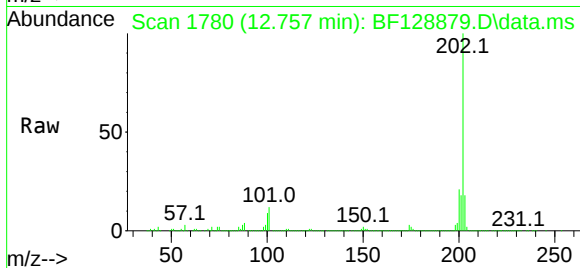
Tgt Ion:202 Resp: 1708859

Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

203 18.0 14.6 21.8



#79

Terphenyl-d14

Concen: 86.768 ng

RT: 12.892 min Scan# 1803

Delta R.T. -0.000 min

Lab File: BF128879.D

Acq: 20 Jun 2022 16:24

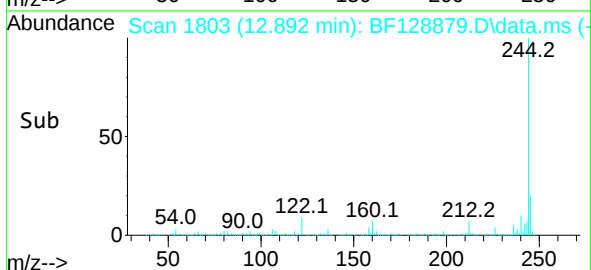
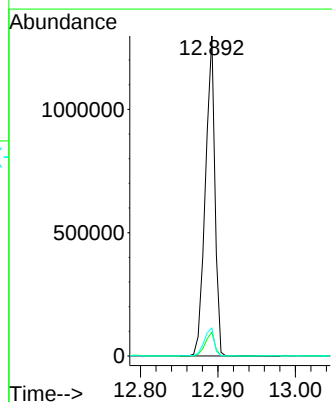
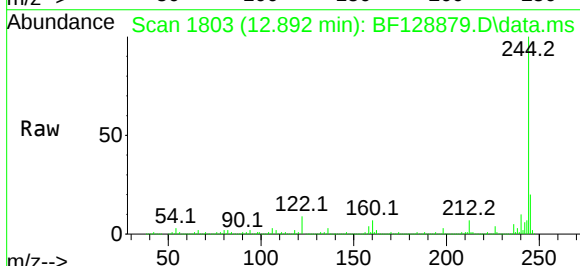
Tgt Ion:244 Resp: 1104363

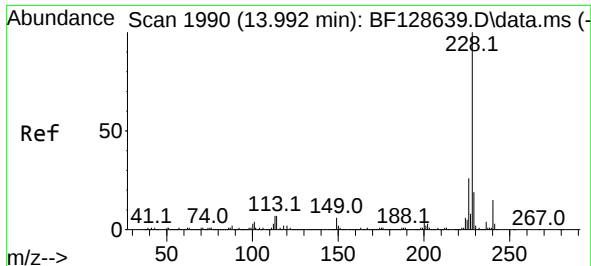
Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 8.7 8.8 13.2#

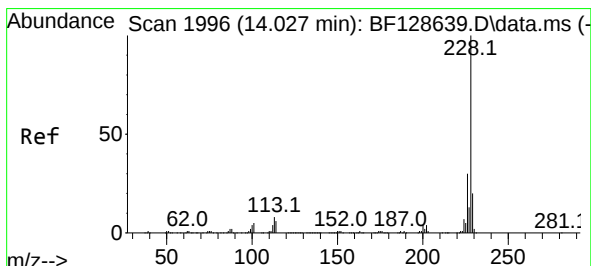
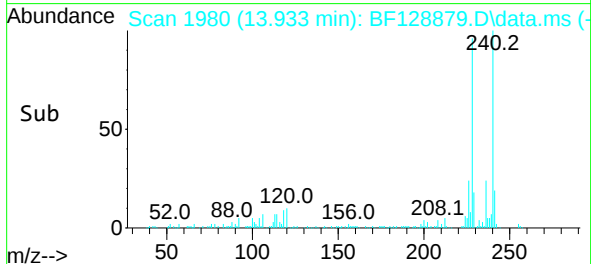
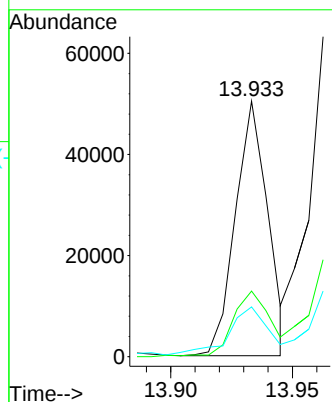
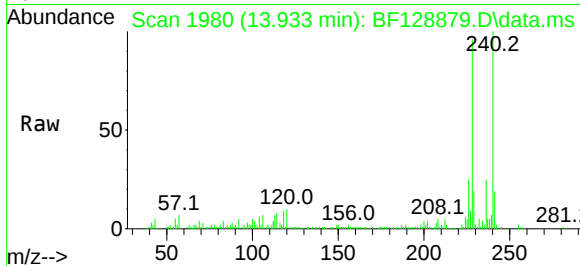




#81
Benzo(a)anthracene
Concen: 3.391 ng
RT: 13.933 min Scan# 1980
Delta R.T. -0.006 min
Lab File: BF128879.D
Acq: 20 Jun 2022 16:24

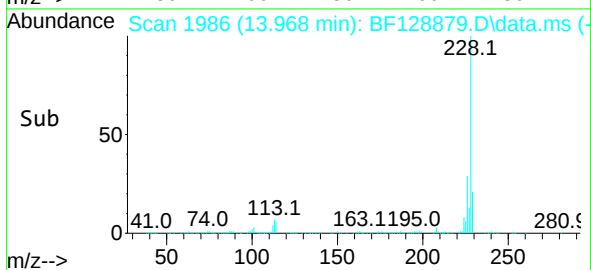
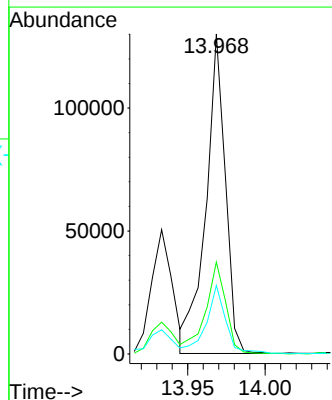
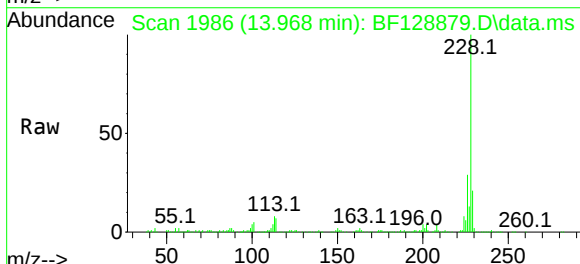
Instrument :
BNA_F
ClientSampleId :
SC-1N

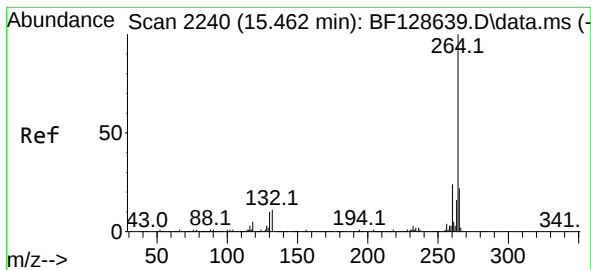
Tgt Ion:228 Resp: 46744
Ion Ratio Lower Upper
228 100
226 25.6 22.1 33.1
229 19.4 15.8 23.8



#83
Chrysene
Concen: 8.622 ng
RT: 13.968 min Scan# 1986
Delta R.T. -0.012 min
Lab File: BF128879.D
Acq: 20 Jun 2022 16:24

Tgt Ion:228 Resp: 113322
Ion Ratio Lower Upper
228 100
226 28.7 24.3 36.5
229 21.4 15.9 23.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.392 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF128879.D
 Acq: 20 Jun 2022 16:24

Instrument :
 BNA_F
 ClientSampleId :
 SC-1N

Tgt Ion:264 Resp: 198506
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.4 27.6
 265 21.0 17.2 25.8

