

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
 Data File : BF127935.D
 Acq On : 27 Apr 2022 01:59
 Operator : CG\JU
 Sample : N2555-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-042522

Quant Time: Apr 27 03:21:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

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

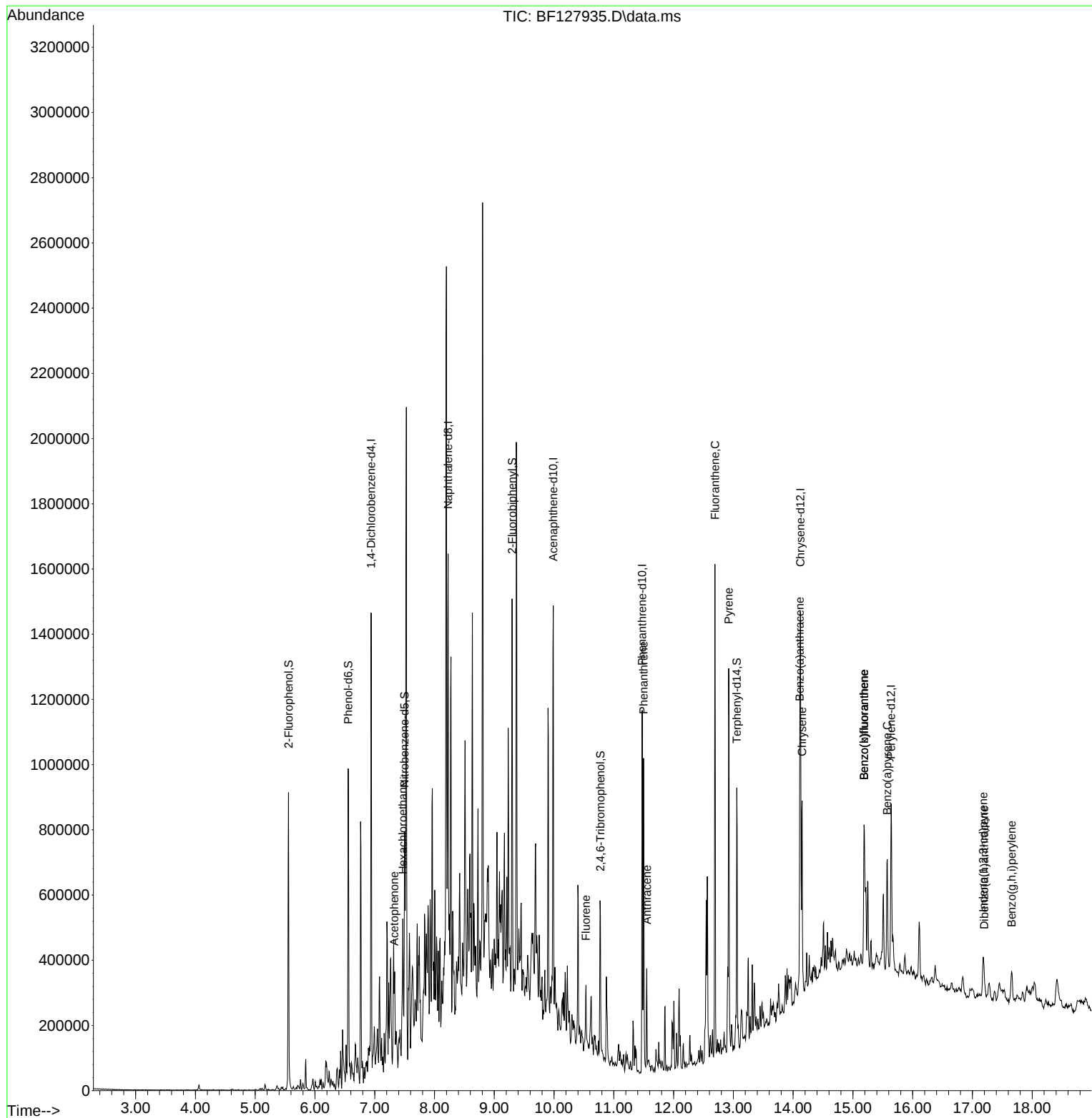
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	147040	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	531300	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	269980	20.000	ng	0.00
64) Phenanthrene-d10	11.475	188	390351	20.000	ng	0.00
76) Chrysene-d12	14.121	240	310277	20.000	ng	0.00
86) Perylene-d12	15.639	264	230116	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	231447	25.071	ng	0.00
7) Phenol-d6	6.557	99	289183	24.141	ng	-0.01
23) Nitrobenzene-d5	7.498	82	196865	17.424	ng	-0.01
42) 2,4,6-Tribromophenol	10.775	330	56240	20.693	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	328995	20.615	ng	0.00
79) Terphenyl-d14	13.057	244	262081	15.445	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.469	117	10663	2.635	ng	# 1
22) Acetophenone	7.328	105	38005	2.935	ng	# 60
58) Fluorene	10.533	166	47459	2.816	ng	95
71) Phenanthrene	11.498	178	315922	15.461	ng	99
72) Anthracene	11.551	178	109804	5.395	ng	98
75) Fluoranthene	12.692	202	546018	25.390	ng	99
78) Pyrene	12.922	202	474810	18.957	ng	100
81) Benzo(a)anthracene	14.110	228	291241	14.083	ng	97
83) Chrysene	14.151	228	250059	12.661	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	93327	6.076	ng	# 95
88) Benzo(b)fluoranthene	15.186	252	348105	24.085	ng	# 95
89) Benzo(k)fluoranthene	15.186	252	348105	23.906	ng	# 93
90) Benzo(a)pyrene	15.574	252	175106	14.606	ng	98
91) Dibenzo(a,h)anthracene	17.198	278	25754	2.091	ng	# 86
92) Benzo(g,h,i)perylene	17.657	276	83307	6.417	ng	98

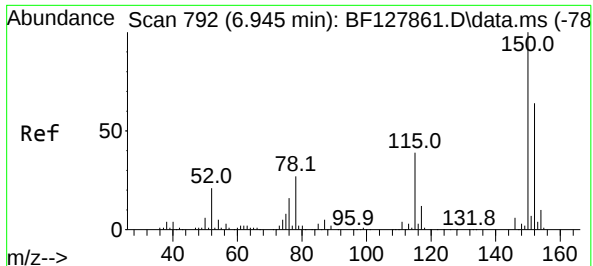
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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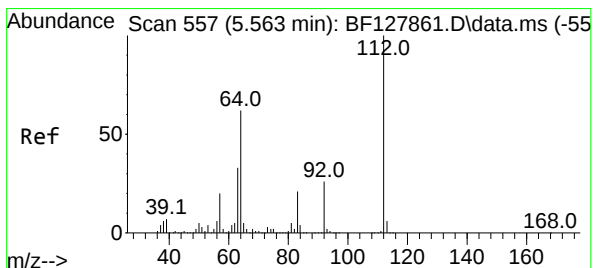
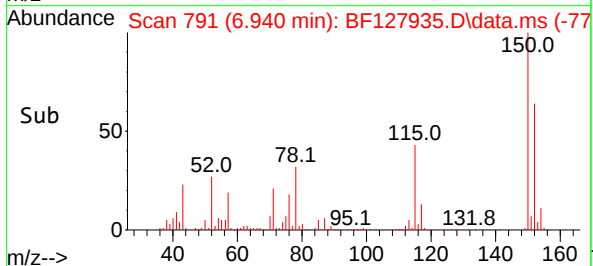
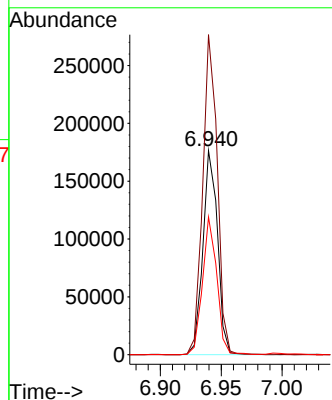
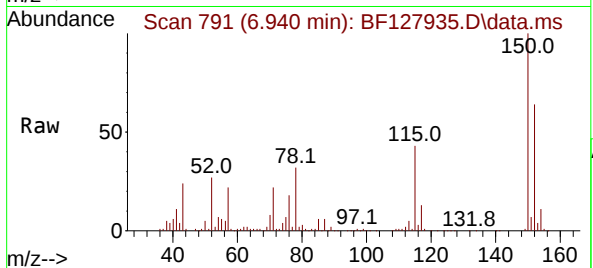




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.940 min Scan# 791
 Delta R.T. -0.005 min
 Lab File: BF127935.D
 Acq: 27 Apr 2022 01:59

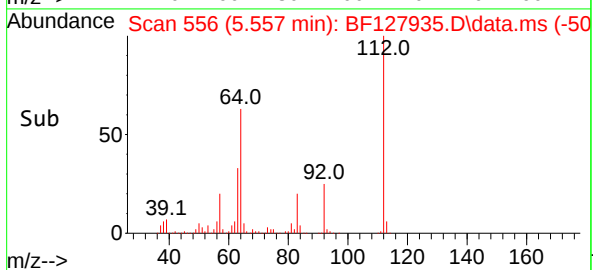
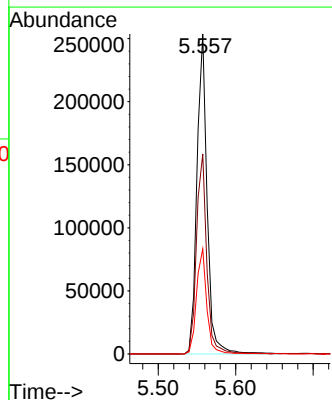
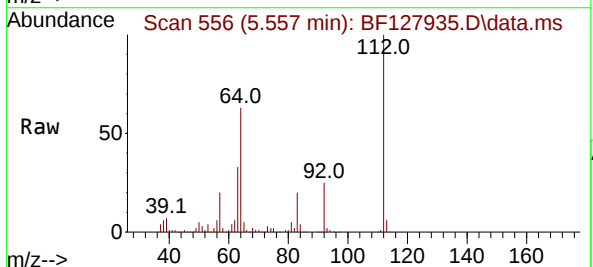
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-042522

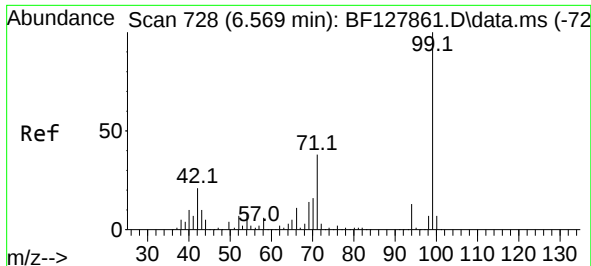
Tgt Ion:152 Resp: 147040
 Ion Ratio Lower Upper
 152 100
 150 156.9 125.3 187.9
 115 67.5 48.8 73.2



#5
 2-Fluorophenol
 Concen: 25.071 ng
 RT: 5.557 min Scan# 556
 Delta R.T. -0.006 min
 Lab File: BF127935.D
 Acq: 27 Apr 2022 01:59

Tgt Ion:112 Resp: 231447
 Ion Ratio Lower Upper
 112 100
 64 62.5 49.5 74.3
 63 32.8 26.3 39.5

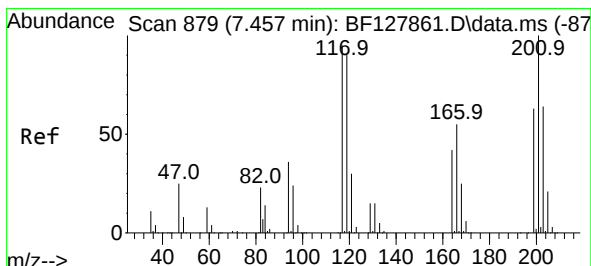
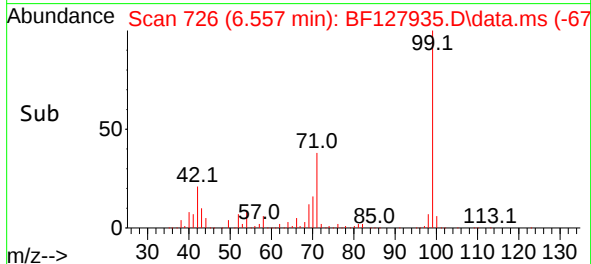
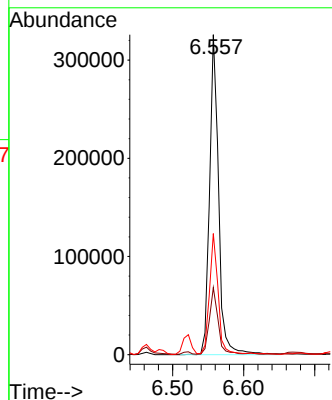
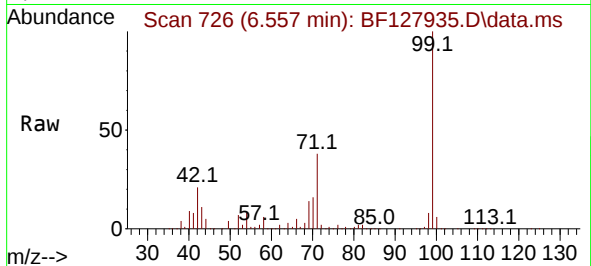




#7
Phenol-d6
Concen: 24.141 ng
RT: 6.557 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

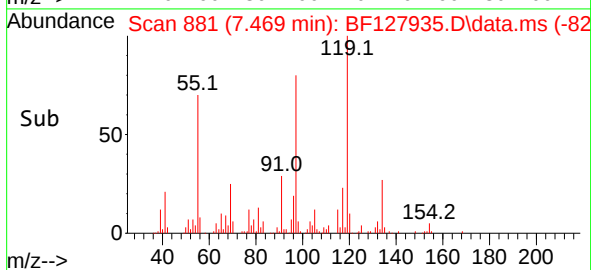
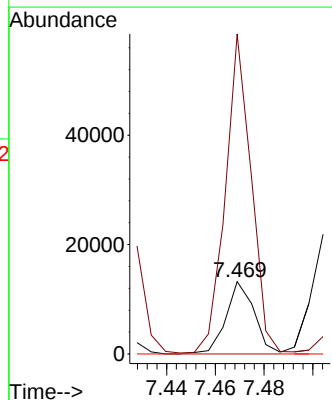
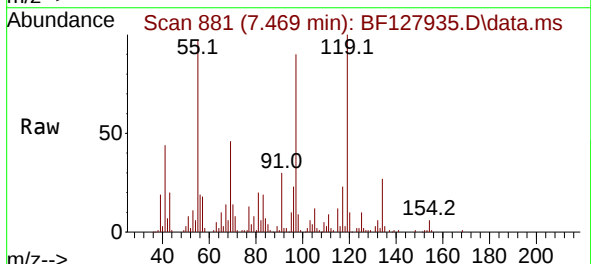
Instrument :
BNA_F
ClientSampleId :
OR-03-042522

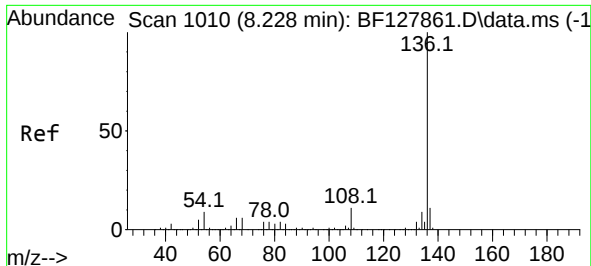
Tgt Ion: 99 Resp: 289183
Ion Ratio Lower Upper
99 100
42 21.0 16.6 24.8
71 37.9 30.0 45.0



#18
Hexachloroethane
Concen: 2.635 ng
RT: 7.469 min Scan# 881
Delta R.T. 0.012 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

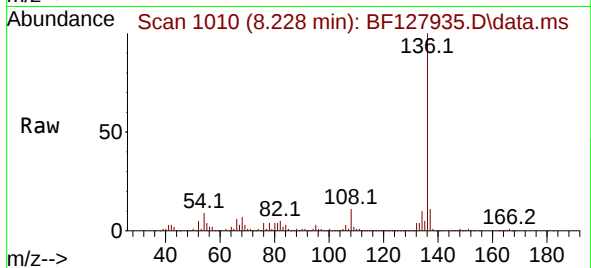
Tgt Ion: 117 Resp: 10663
Ion Ratio Lower Upper
117 100
119 442.4 76.2 114.4#
201 0.0 84.4 126.6#



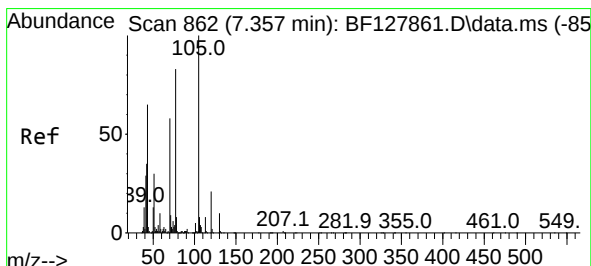
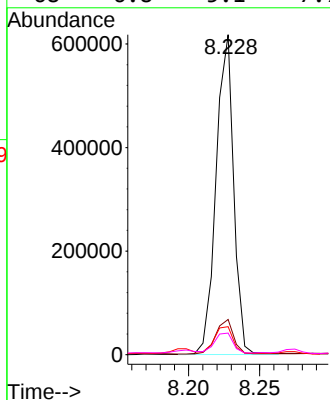
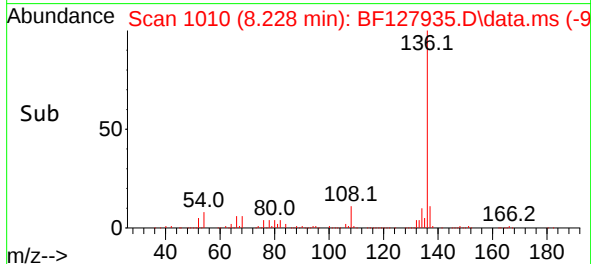


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

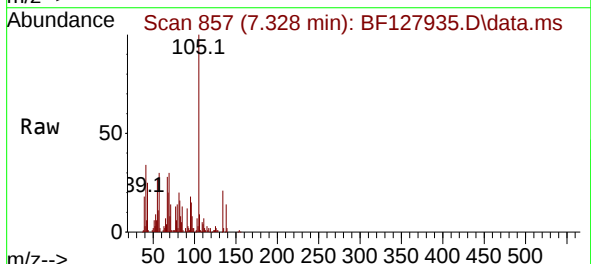
Instrument :
BNA_F
ClientSampleId :
OR-03-042522



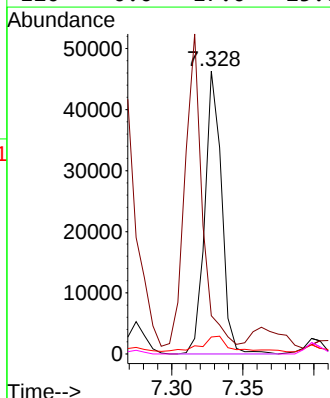
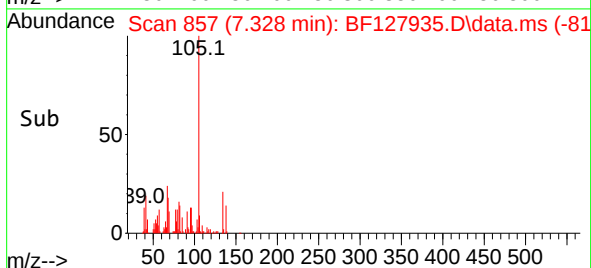
Tgt Ion:136 Resp: 531300
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.7 6.8 10.2
68 6.8 5.1 7.7

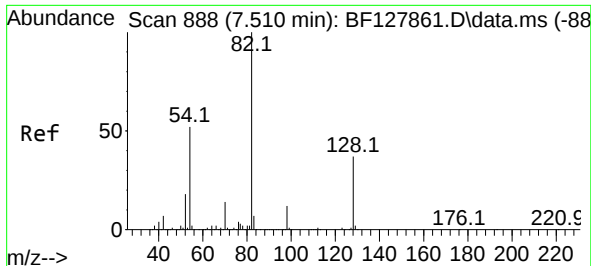


#22
Acetophenone
Concen: 2.935 ng
RT: 7.328 min Scan# 857
Delta R.T. -0.029 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59



Tgt Ion:105 Resp: 38005
Ion Ratio Lower Upper
105 100
71 13.6 7.3 10.9#
51 6.0 23.7 35.5#
120 0.0 17.0 25.6#





#23

Nitrobenzene-d5

Concen: 17.424 ng

RT: 7.498 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

Instrument :

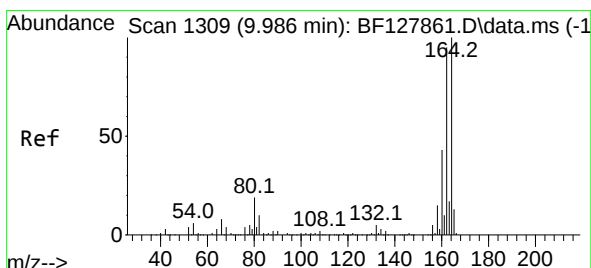
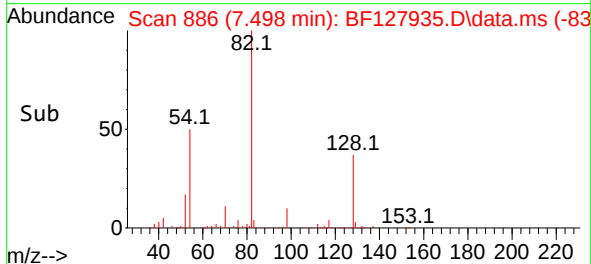
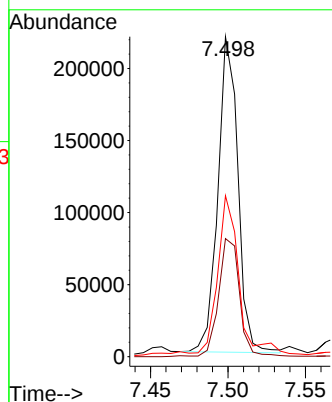
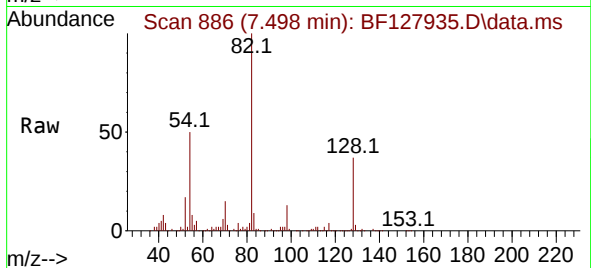
BNA_F

ClientSampleId :

OR-03-042522

Tgt Ion: 82 Resp: 196865

Ion	Ratio	Lower	Upper
82	100		
128	36.9	30.0	45.0
54	50.3	41.3	61.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.986 min Scan# 1309

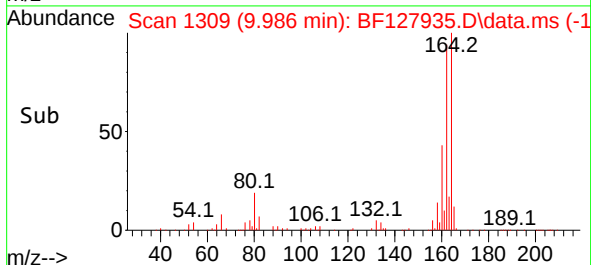
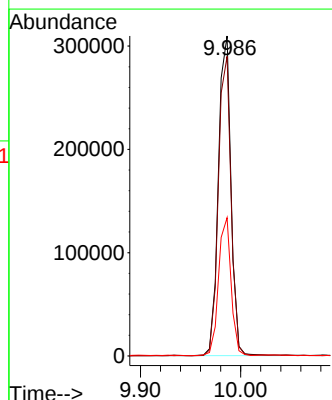
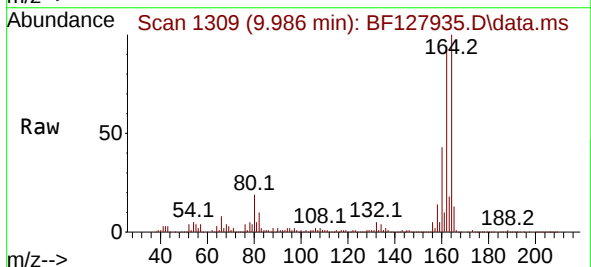
Delta R.T. 0.000 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

Tgt Ion: 164 Resp: 269980

Ion	Ratio	Lower	Upper
164	100		
162	93.6	76.0	114.0
160	43.2	34.8	52.2





#42

2,4,6-Tribromophenol

Concen: 20.693 ng

RT: 10.775 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

Instrument :

BNA_F

ClientSampleId :

OR-03-042522

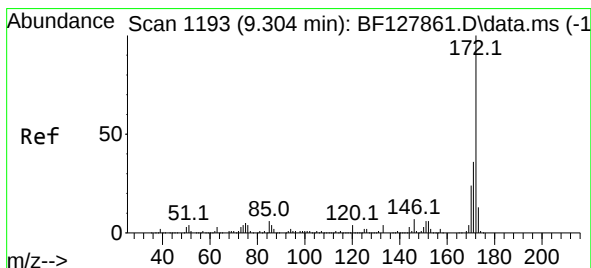
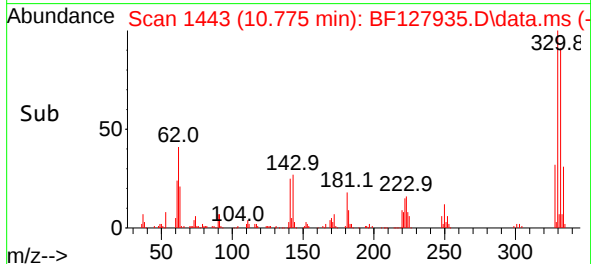
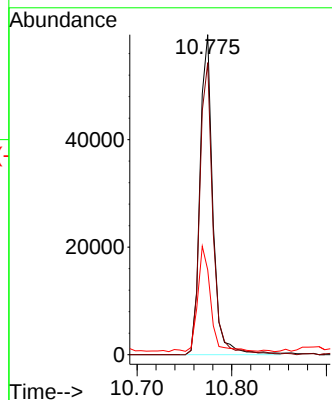
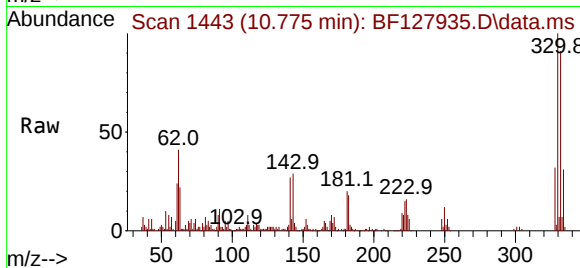
Tgt Ion:330 Resp: 56240

Ion Ratio Lower Upper

330 100

332 93.6 79.0 118.4

141 33.4 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 20.615 ng

RT: 9.298 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

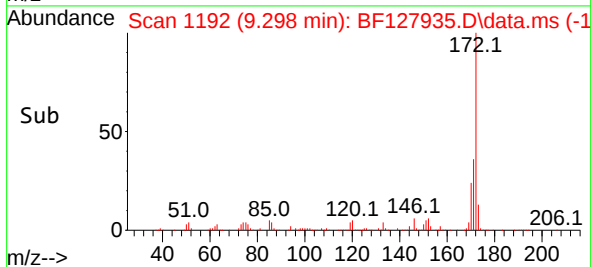
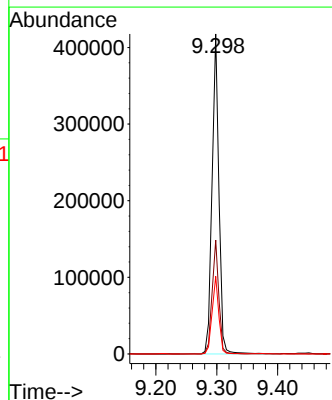
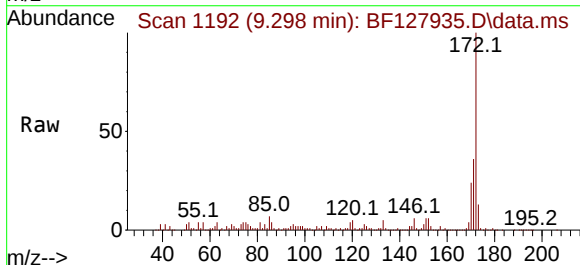
Tgt Ion:172 Resp: 328995

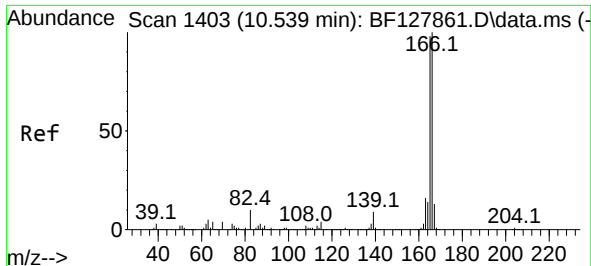
Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 24.2 19.1 28.7

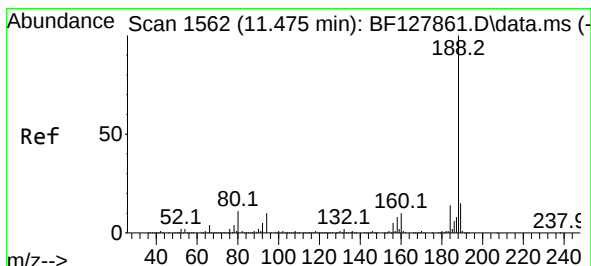
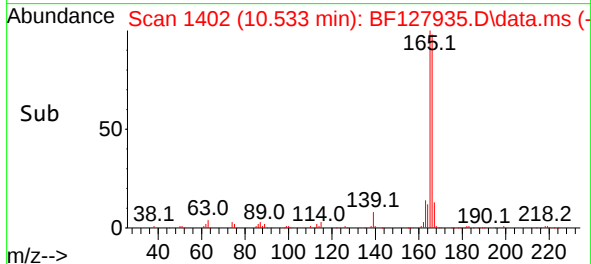
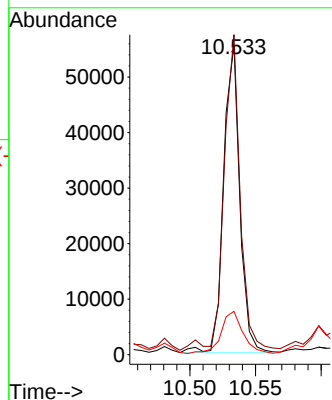
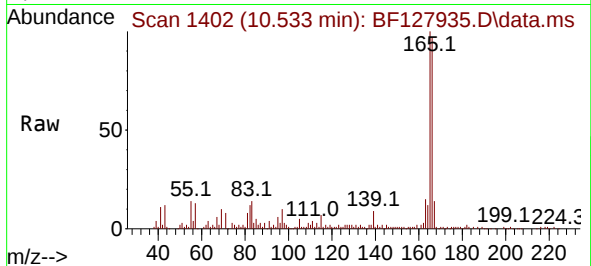




#58
 Fluorene
 Concen: 2.816 ng
 RT: 10.533 min Scan# 1403
 Delta R.T. -0.006 min
 Lab File: BF127935.D
 Acq: 27 Apr 2022 01:59

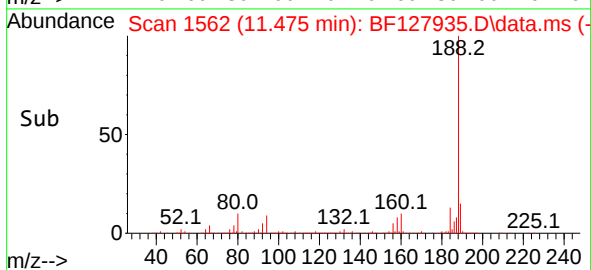
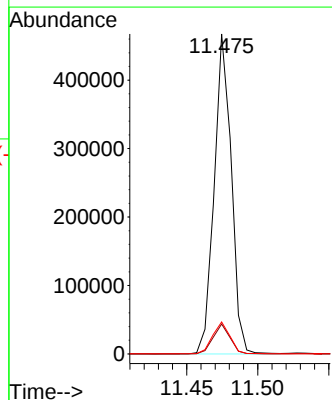
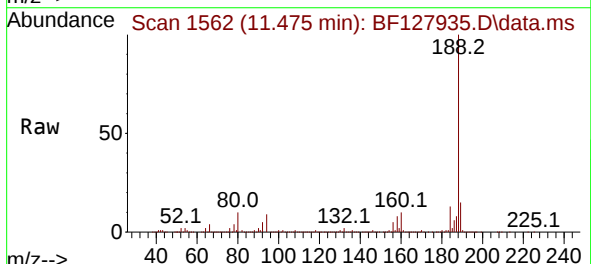
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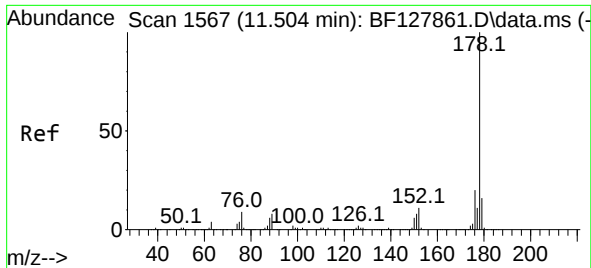
Tgt Ion:166 Resp: 47459
 Ion Ratio Lower Upper
 166 100
 165 103.2 78.6 117.8
 167 14.0 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.475 min Scan# 1562
 Delta R.T. 0.000 min
 Lab File: BF127935.D
 Acq: 27 Apr 2022 01:59

Tgt Ion:188 Resp: 390351
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.0 12.0
 80 10.0 8.9 13.3

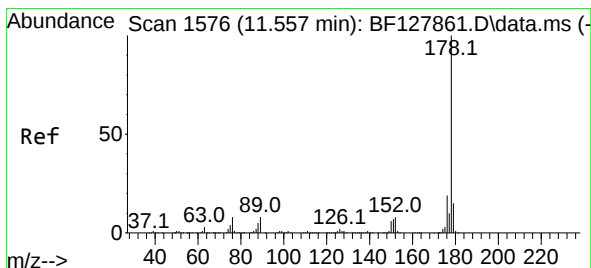
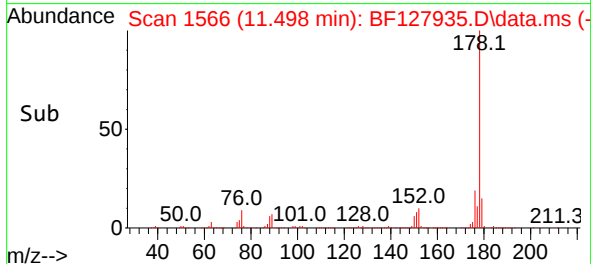
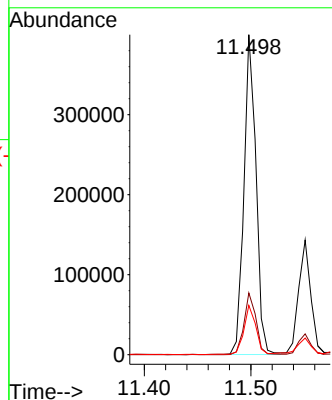
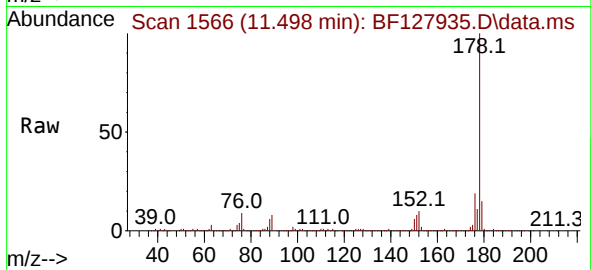




#71
Phenanthrene
Concen: 15.461 ng
RT: 11.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

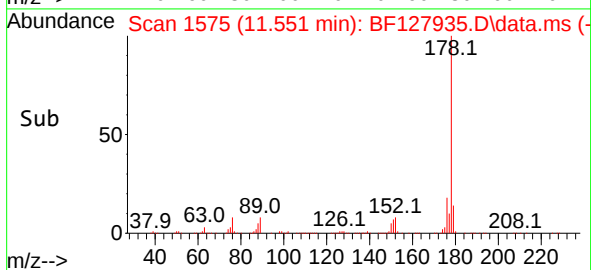
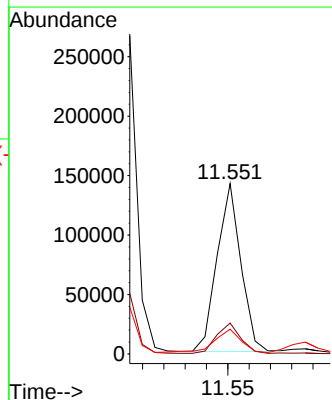
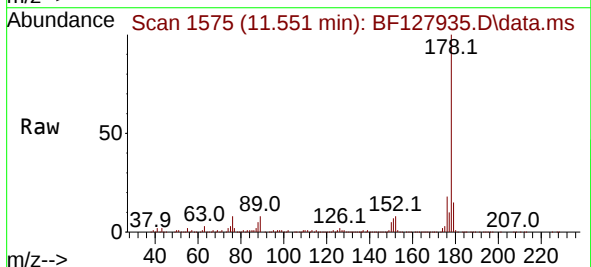
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OR-03-042522

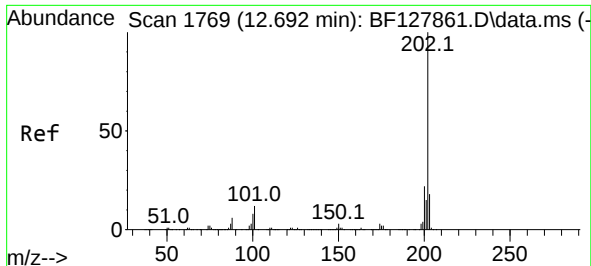
Tgt Ion:178 Resp: 315922
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.4 12.6 19.0



#72
Anthracene
Concen: 5.395 ng
RT: 11.551 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

Tgt Ion:178 Resp: 109804
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 14.6 12.4 18.6

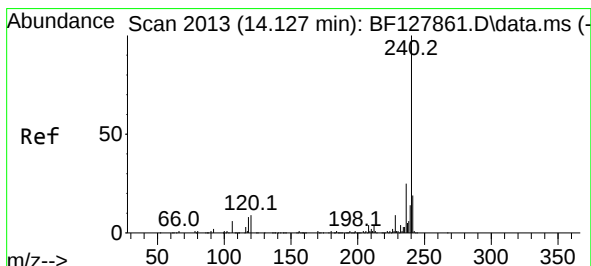
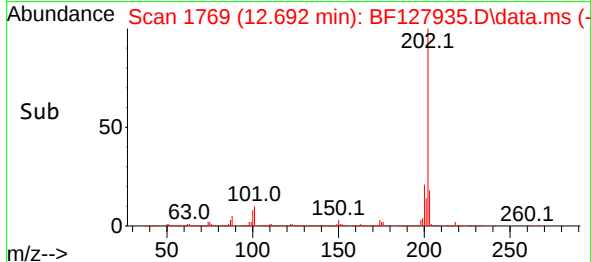
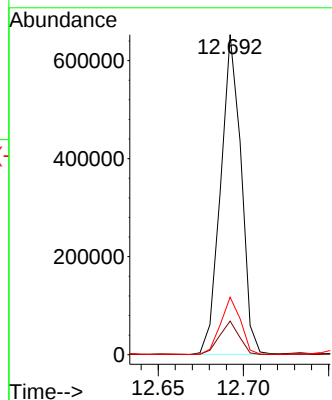
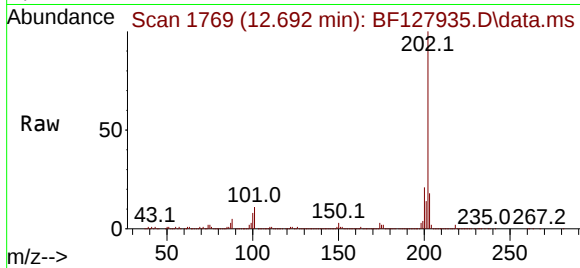




#75
Fluoranthene
Concen: 25.390 ng
RT: 12.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

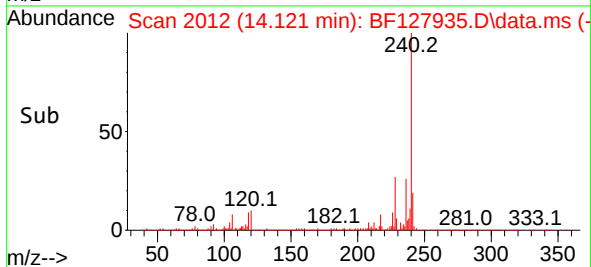
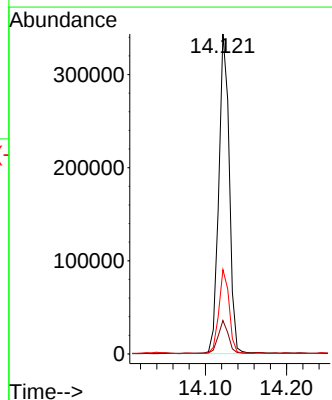
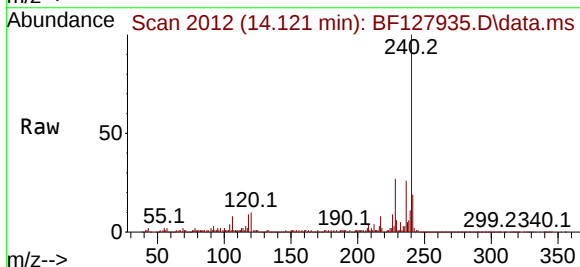
Instrument :
BNA_F
ClientSampleId :
OR-03-042522

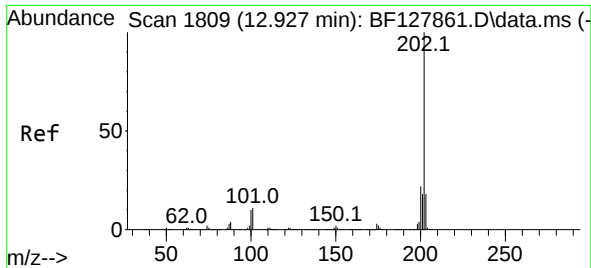
Tgt Ion:202 Resp: 546018
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.6
203 17.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

Tgt Ion:240 Resp: 310277
Ion Ratio Lower Upper
240 100
120 10.5 7.0 10.6
236 26.3 20.3 30.5

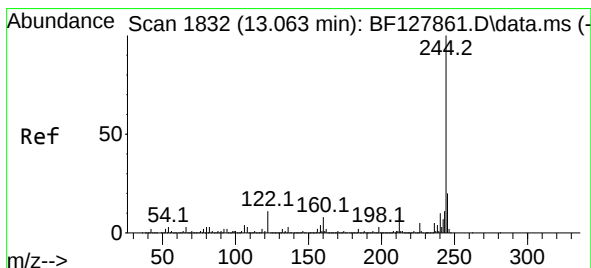
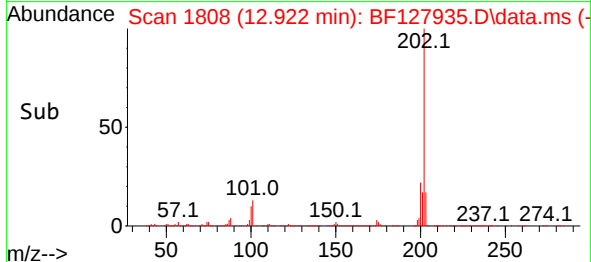
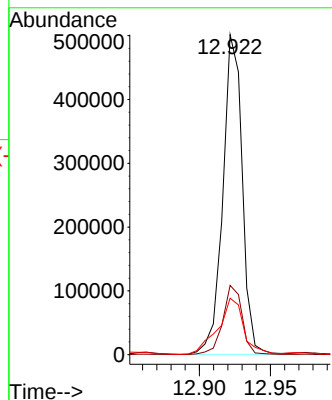
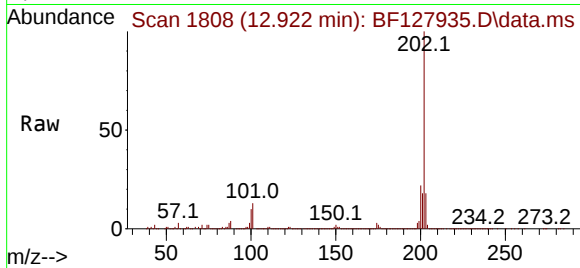




#78
 Pyrene
 Concen: 18.957 ng
 RT: 12.922 min Scan# 1809
 Delta R.T. -0.006 min
 Lab File: BF127935.D
 Acq: 27 Apr 2022 01:59

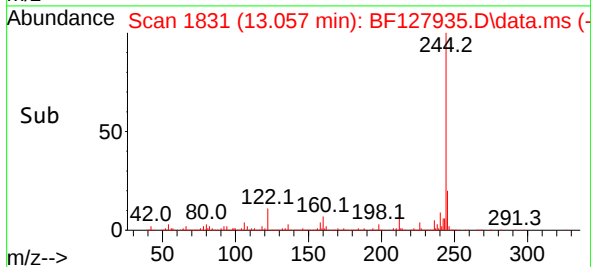
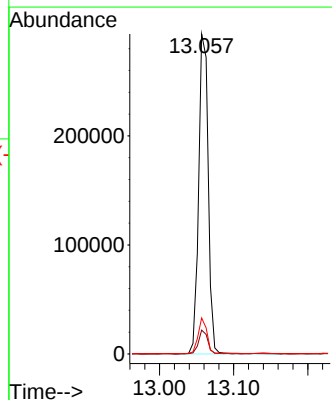
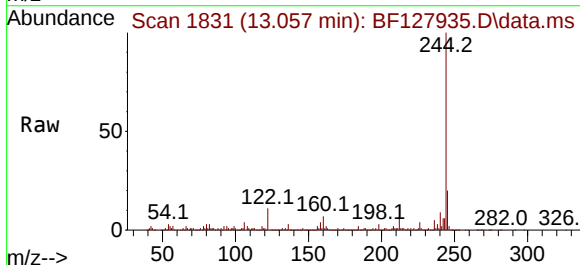
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-042522

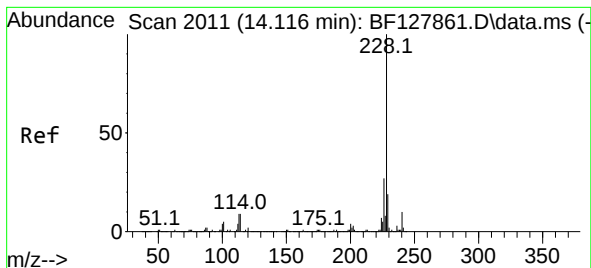
Tgt Ion:202 Resp: 474810
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.4 26.2
 203 17.6 14.0 21.0



#79
 Terphenyl-d14
 Concen: 15.445 ng
 RT: 13.057 min Scan# 1831
 Delta R.T. -0.006 min
 Lab File: BF127935.D
 Acq: 27 Apr 2022 01:59

Tgt Ion:244 Resp: 262081
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 11.2 8.6 12.8





#81

Benzo(a)anthracene

Concen: 14.083 ng

RT: 14.110 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

Instrument :

BNA_F

ClientSampleId :

OR-03-042522

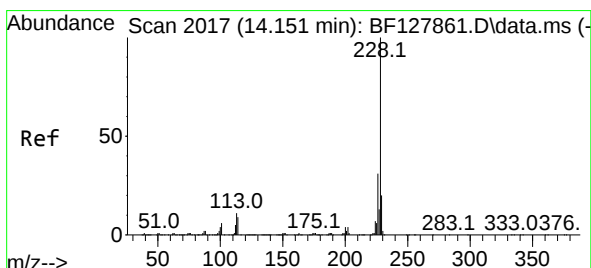
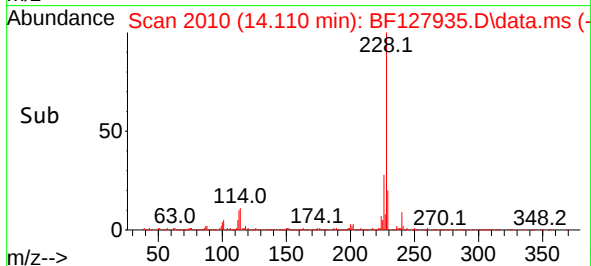
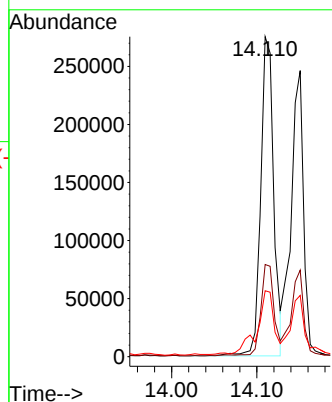
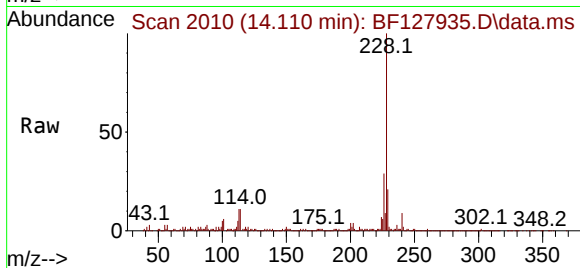
Tgt Ion:228 Resp: 291241

Ion Ratio Lower Upper

228 100

226 28.8 21.7 32.5

229 20.6 15.4 23.2



#83

Chrysene

Concen: 12.661 ng

RT: 14.151 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

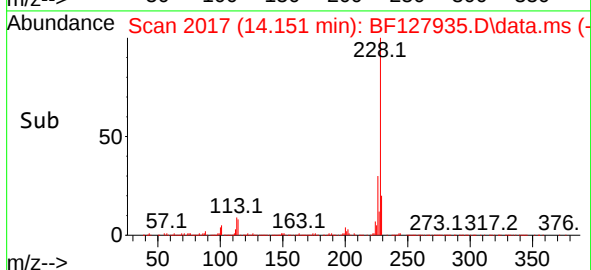
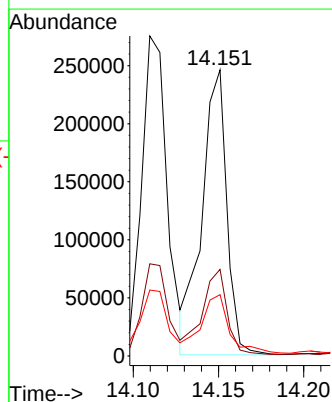
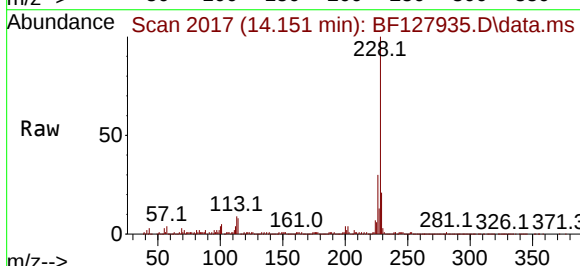
Tgt Ion:228 Resp: 250059

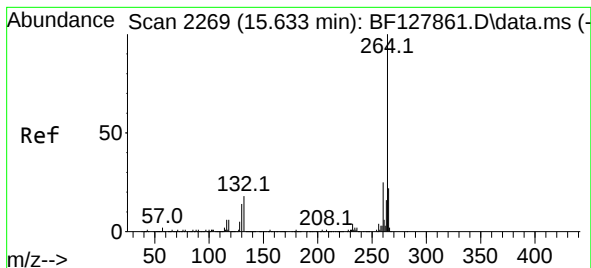
Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 21.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

Instrument :

BNA_F

ClientSampleId :

OR-03-042522

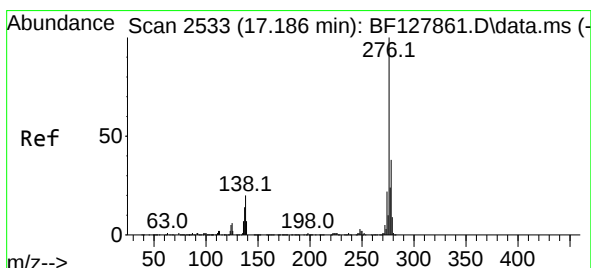
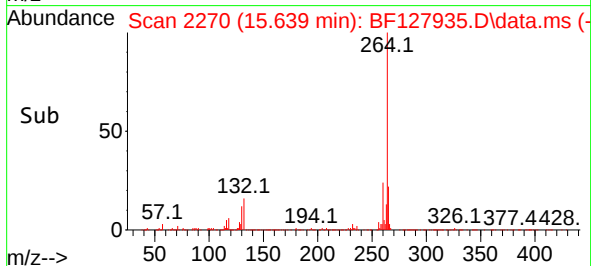
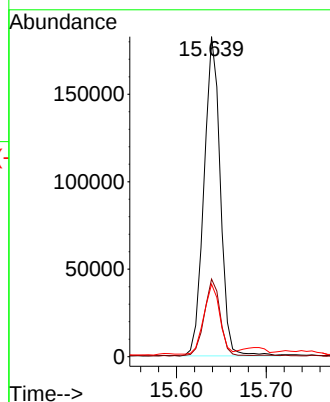
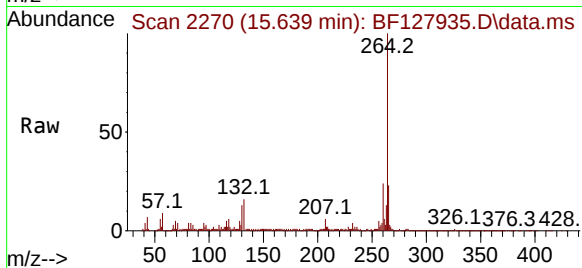
Tgt Ion:264 Resp: 230116

Ion Ratio Lower Upper

264 100

260 24.3 20.1 30.1

265 22.7 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.076 ng

RT: 17.180 min Scan# 2532

Delta R.T. -0.006 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

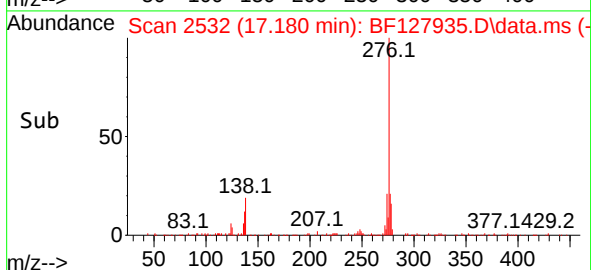
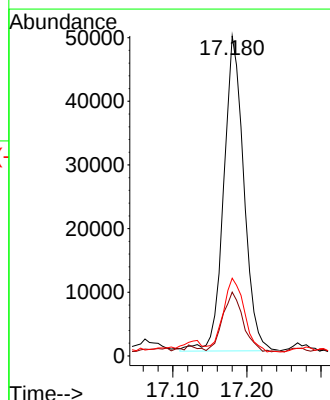
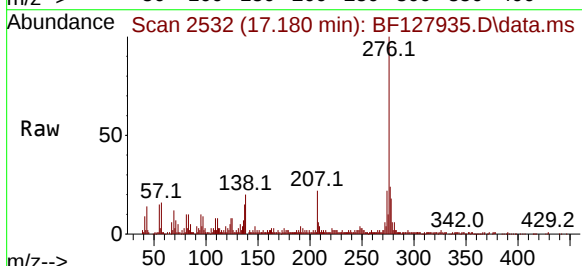
Tgt Ion:276 Resp: 93327

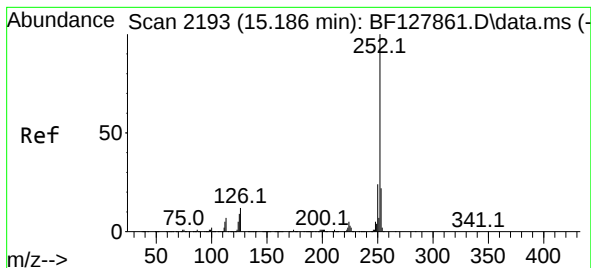
Ion Ratio Lower Upper

276 100

138 18.6 19.0 28.4#

277 24.9 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 24.085 ng

RT: 15.186 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

Instrument :

BNA_F

ClientSampleId :

OR-03-042522

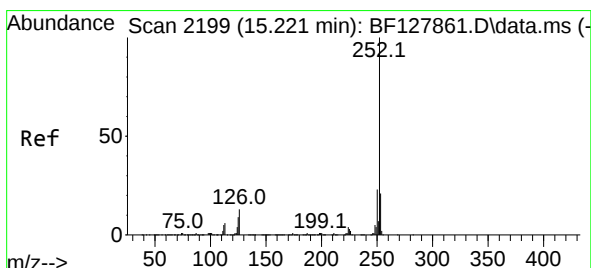
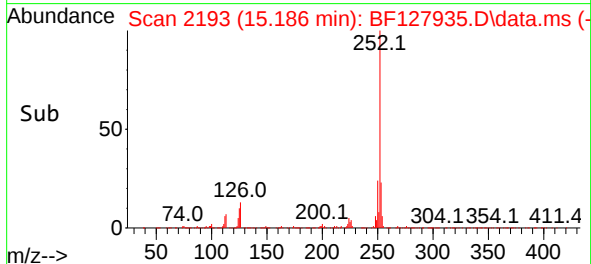
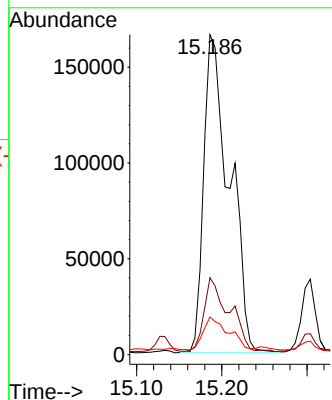
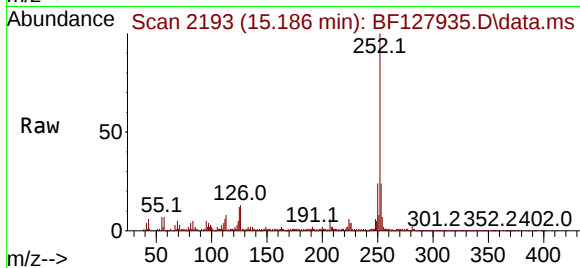
Tgt Ion:252 Resp: 348105

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

125 11.7 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 23.906 ng

RT: 15.186 min Scan# 2193

Delta R.T. -0.035 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

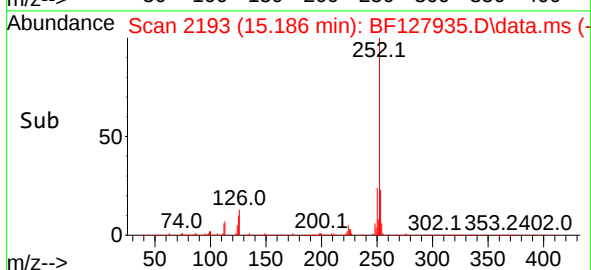
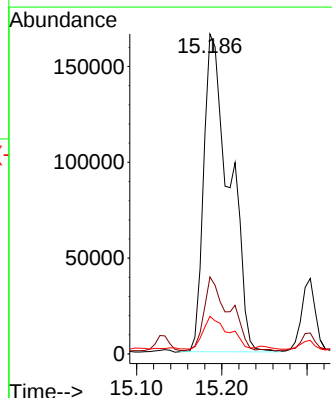
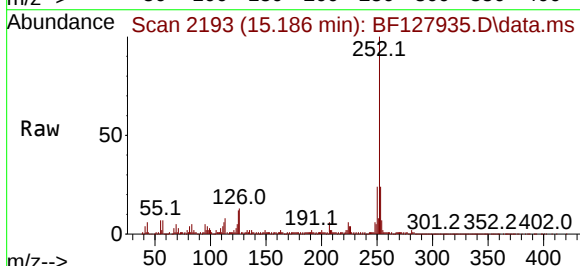
Tgt Ion:252 Resp: 348105

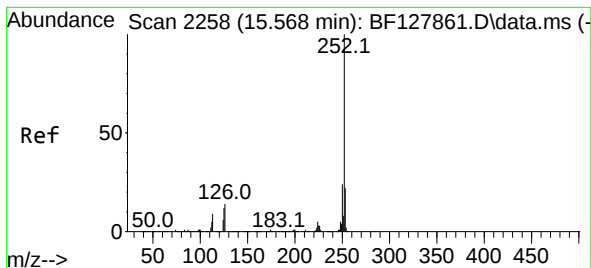
Ion Ratio Lower Upper

252 100

253 24.0 17.0 25.4

125 11.7 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 14.606 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

Instrument :

BNA_F

ClientSampleId :

OR-03-042522

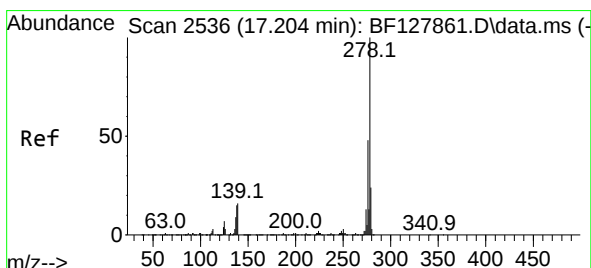
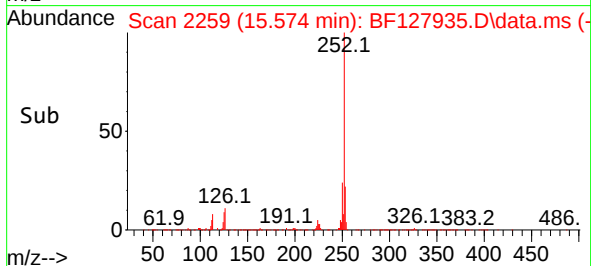
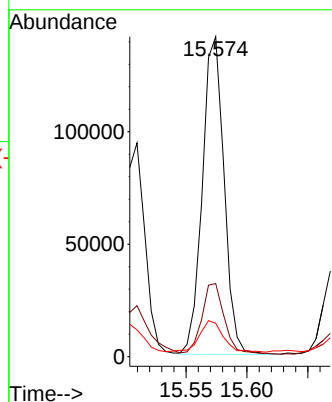
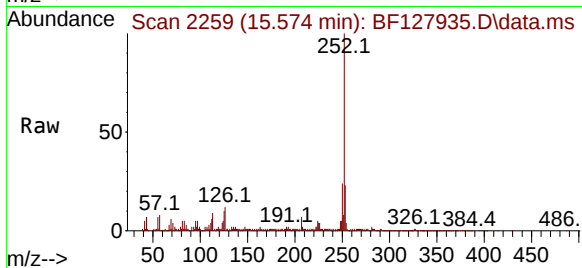
Tgt Ion:252 Resp: 175106

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 10.4 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 2.091 ng

RT: 17.198 min Scan# 2535

Delta R.T. -0.006 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

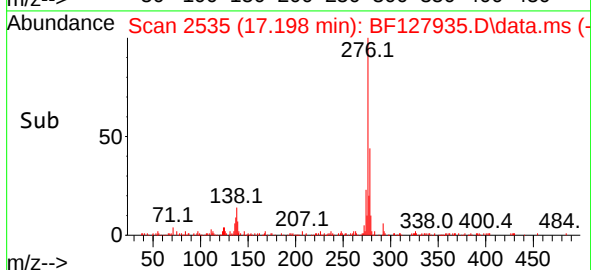
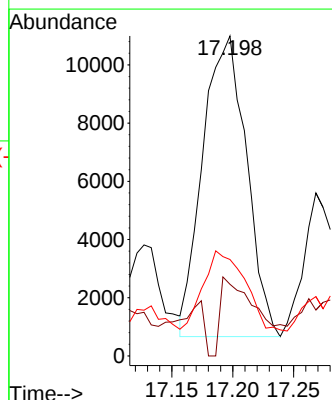
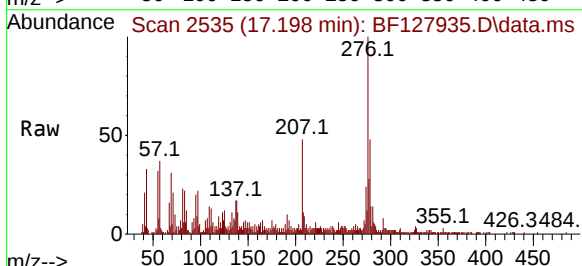
Tgt Ion:278 Resp: 25754

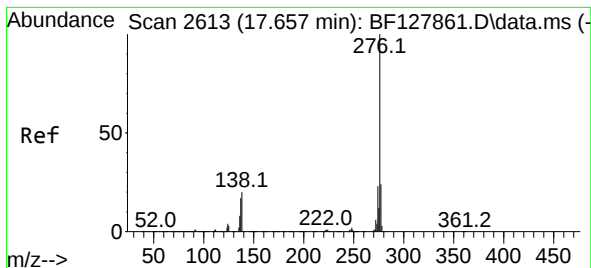
Ion Ratio Lower Upper

278 100

139 22.4 12.6 19.0#

279 30.1 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 6.417 ng

RT: 17.657 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF127935.D

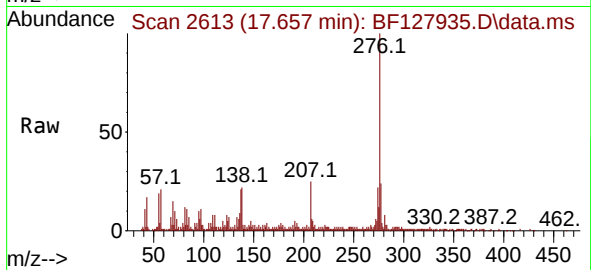
Acq: 27 Apr 2022 01:59

Instrument :

BNA_F

ClientSampleId :

OR-03-042522



Tgt Ion:276 Resp: 83307

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 21.7 16.2 24.2

