

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032522\
 Data File : BF127526.D
 Acq On : 25 Mar 2022 14:15
 Operator : CG\JU
 Sample : N2103-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20019

Quant Time: Mar 25 17:26:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 22 02:16:33 2022
 Response via : Initial Calibration

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

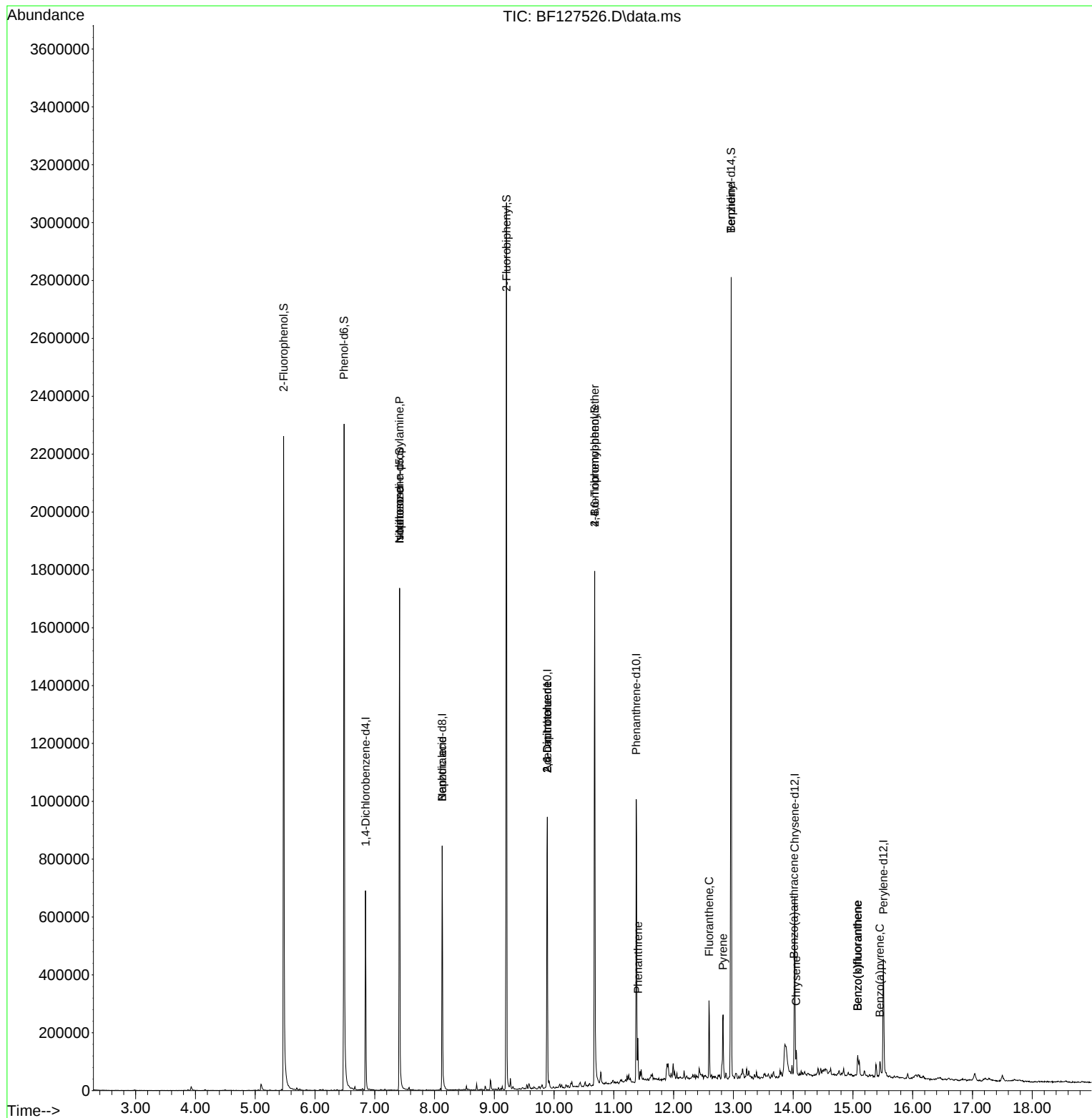
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	89945	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	327804	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	193565	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	348584	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	212370	20.000	ng	0.00
86) Perylene-d12	15.509	264	185409	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	576547	102.318	ng	0.00
7) Phenol-d6	6.487	99	777958	101.002	ng	0.00
23) Nitrobenzene-d5	7.416	82	521658	68.024	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	199537	96.770	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	876402	66.115	ng	0.00
79) Terphenyl-d14	12.963	244	937293	72.250	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.445	77	59	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.416	70	70163	15.197	ng	# 80
25) Isophorone	7.416	82	521658	42.710	ng	# 70
32) Benzoic acid	8.128	122	59	6.062	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	24408	8.635	ng	# 17
55) Dibenzofuran	10.098	168	5242	Below Cal		97
57) 2,4-Dinitrotoluene	9.886	165	24408	6.708	ng	# 14
58) Fluorene	10.439	166	4219	Below Cal		94
67) 4-Bromophenyl-phenylether	10.680	248	13321	3.273	ng	# 1
71) Phenanthrene	11.404	178	57429	3.160	ng	99
75) Fluoranthene	12.592	202	103821	5.194	ng	98
77) Benzidine	12.963	184	11947	2.359	ng	# 96
78) Pyrene	12.827	202	91934	5.044	ng	98
81) Benzo(a)anthracene	14.015	228	38538	2.714	ng	97
83) Chrysene	14.051	228	33919	2.522	ng	96
88) Benzo(b)fluoranthene	15.080	252	50635	4.331	ng	# 96
89) Benzo(k)fluoranthene	15.080	252	50635	4.178	ng	# 95
90) Benzo(a)pyrene	15.451	252	26330	2.744	ng	97

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

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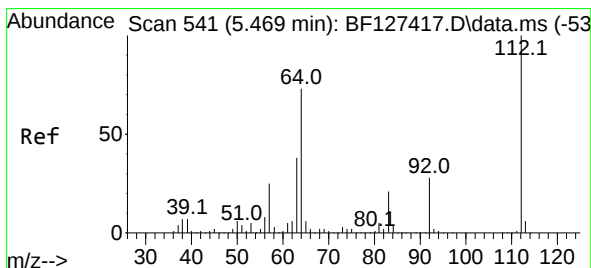
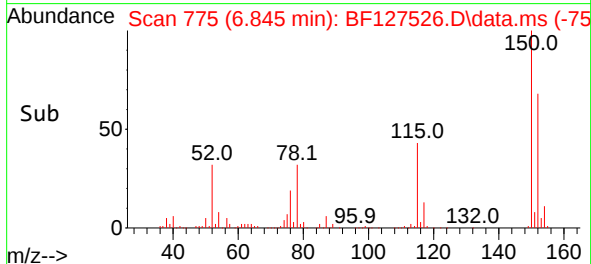
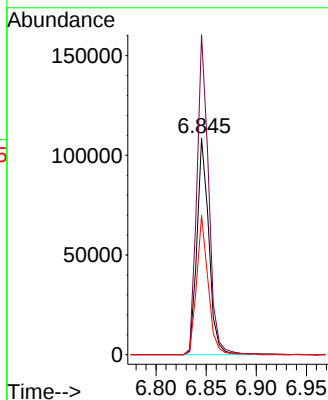
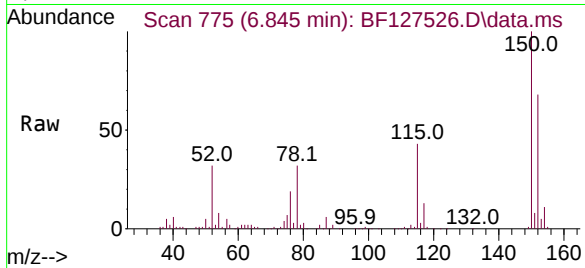




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127526.D
Acq: 25 Mar 2022 14:15

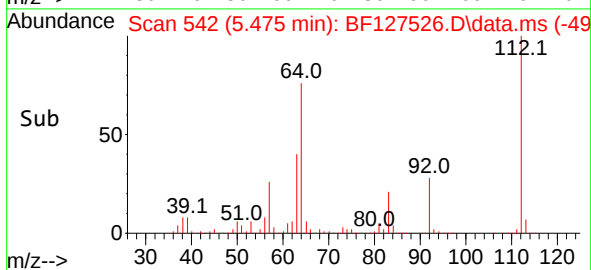
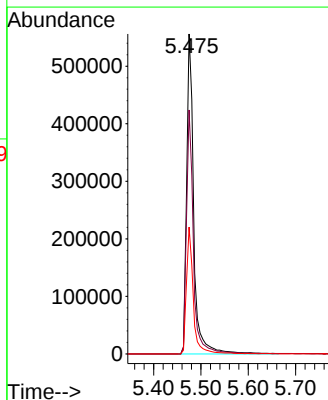
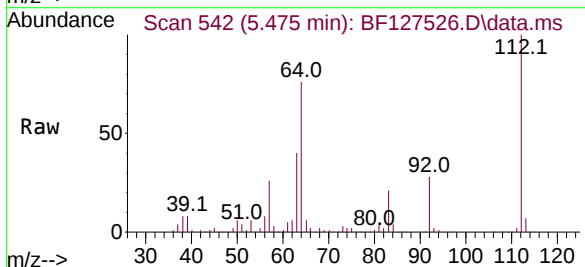
Instrument :
BNA_F
ClientSampleId :
CHRT-20019

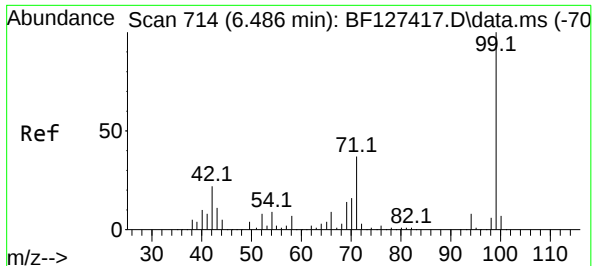
Tgt Ion:152 Resp: 89945
Ion Ratio Lower Upper
152 100
150 147.9 117.2 175.8
115 64.3 49.8 74.6



#5
2-Fluorophenol
Concen: 102.318 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.006 min
Lab File: BF127526.D
Acq: 25 Mar 2022 14:15

Tgt Ion:112 Resp: 576547
Ion Ratio Lower Upper
112 100
64 76.3 58.4 87.6
63 39.7 30.1 45.1

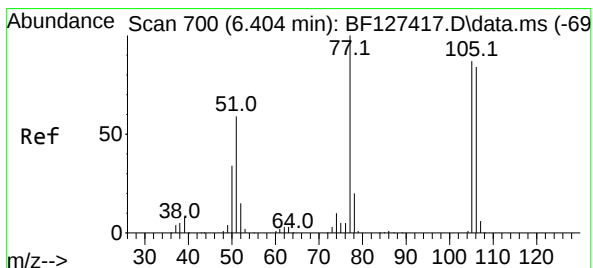
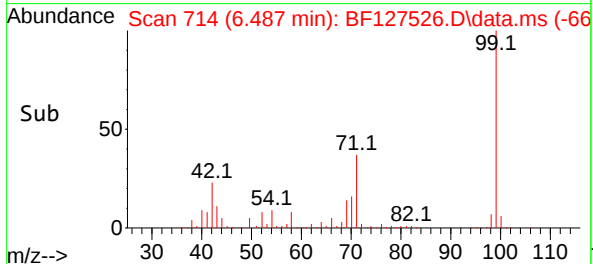
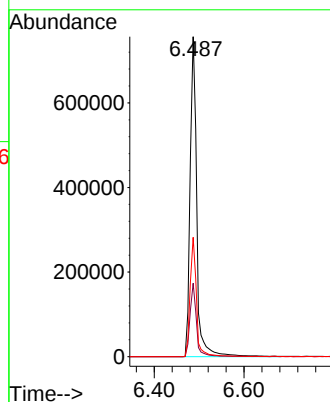
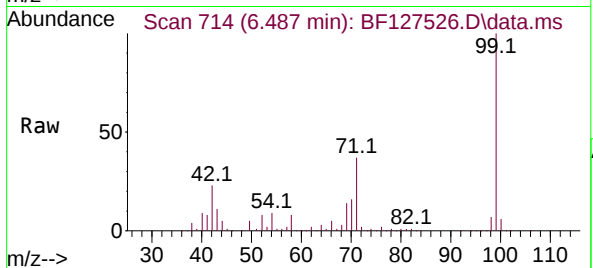




#7
Phenol-d6
Concen: 101.002 ng
RT: 6.487 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF127526.D
Acq: 25 Mar 2022 14:15

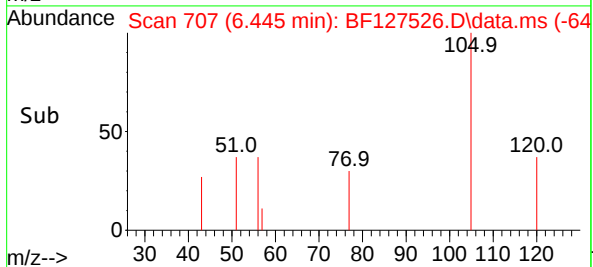
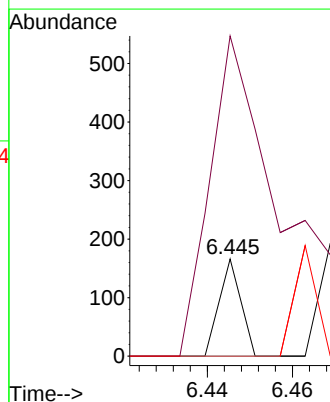
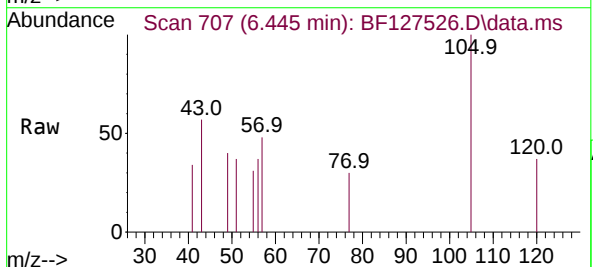
Instrument :
BNA_F
ClientSampleId :
CHRT-20019

Tgt Ion: 99 Resp: 777958
Ion Ratio Lower Upper
99 100
42 23.0 17.8 26.6
71 37.3 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.445 min Scan# 707
Delta R.T. 0.041 min
Lab File: BF127526.D
Acq: 25 Mar 2022 14:15

Tgt Ion: 77 Resp: 59
Ion Ratio Lower Upper
77 100
105 329.5 66.8 106.8#
106 0.0 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 15.197 ng

RT: 7.416 min Scan# 81

Delta R.T. 0.153 min

Lab File: BF127526.D

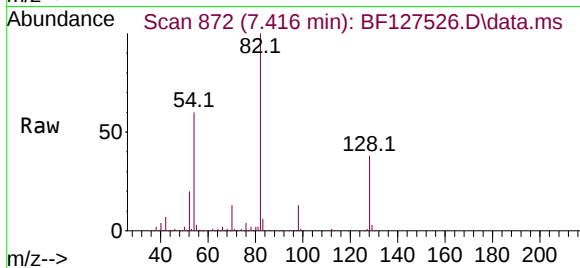
Acq: 25 Mar 2022 14:15

Instrument :

BNA_F

ClientSampleId :

CHRT-20019



Tgt Ion: 70 Resp: 70163

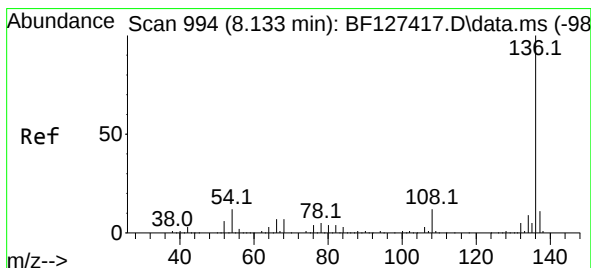
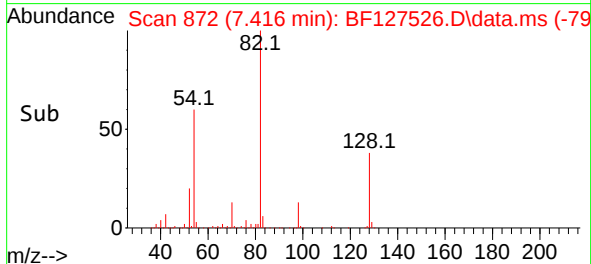
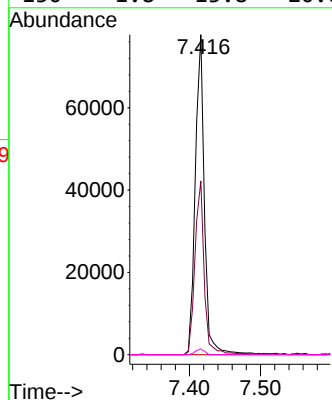
Ion Ratio Lower Upper

70 100

42 54.3 53.0 79.6

101 0.0 6.8 10.2#

130 1.8 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF127526.D

Acq: 25 Mar 2022 14:15

Tgt Ion:136 Resp: 327804

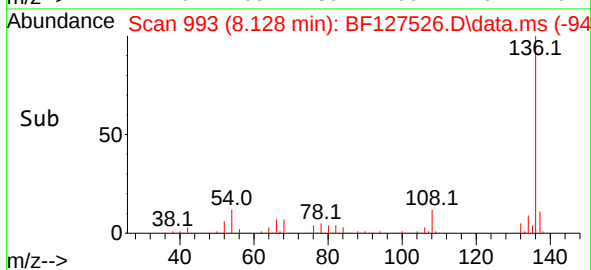
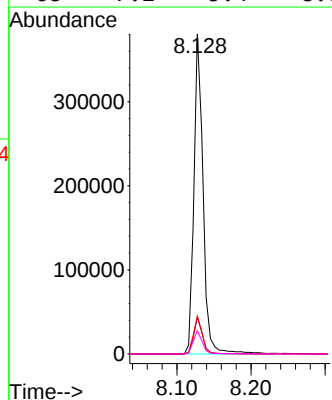
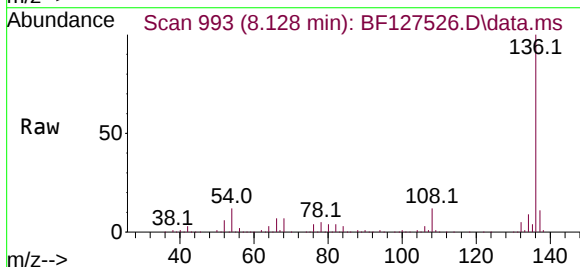
Ion Ratio Lower Upper

136 100

137 11.5 8.6 13.0

54 11.9 9.2 13.8

68 7.2 5.4 8.0





#23

Nitrobenzene-d5

Concen: 68.024 ng

RT: 7.416 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127526.D

Acq: 25 Mar 2022 14:15

Instrument :

BNA_F

ClientSampleId :

CHRT-20019

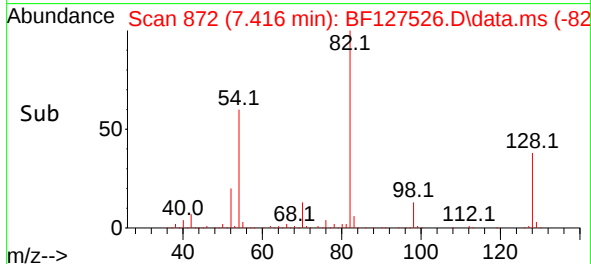
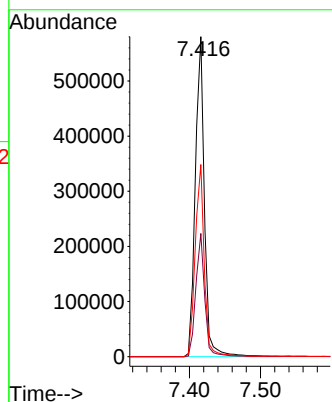
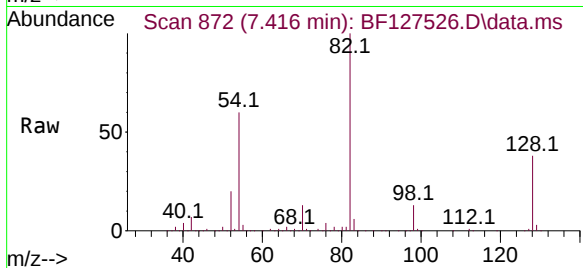
Tgt Ion: 82 Resp: 521658

Ion Ratio Lower Upper

82 100

128 38.5 30.6 45.8

54 60.1 48.2 72.2



#25

Isophorone

Concen: 42.710 ng

RT: 7.416 min Scan# 872

Delta R.T. -0.259 min

Lab File: BF127526.D

Acq: 25 Mar 2022 14:15

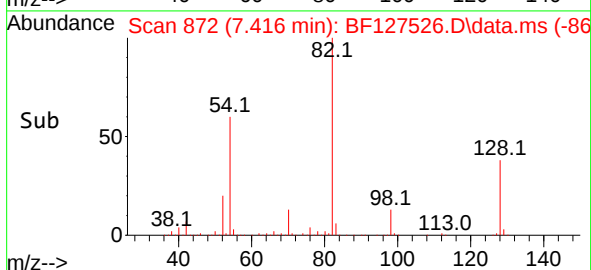
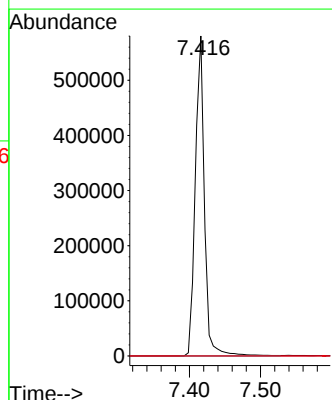
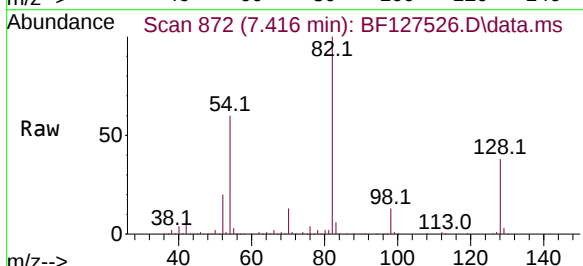
Tgt Ion: 82 Resp: 521658

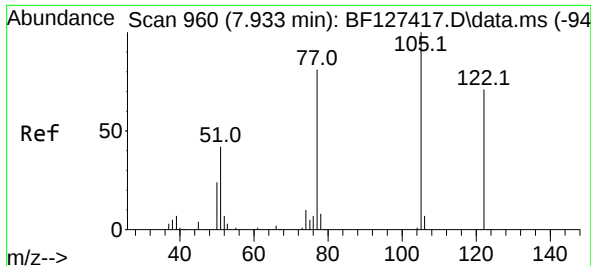
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

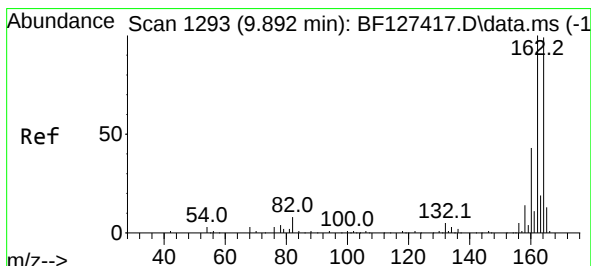
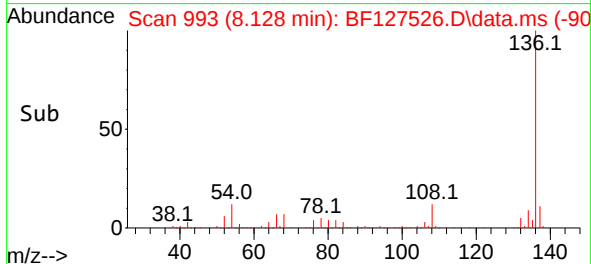
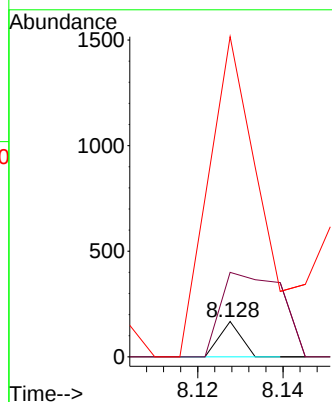
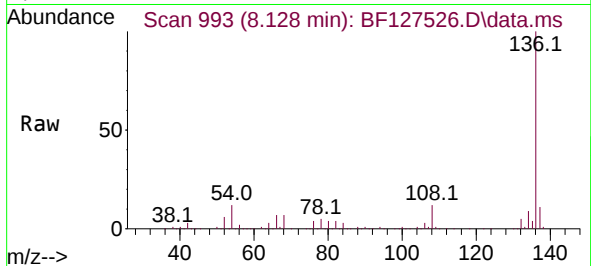




#32
Benzoic acid
Concen: 6.062 ng
RT: 8.128 min Scan# 91
Delta R.T. 0.195 min
Lab File: BF127526.D
Acq: 25 Mar 2022 14:15

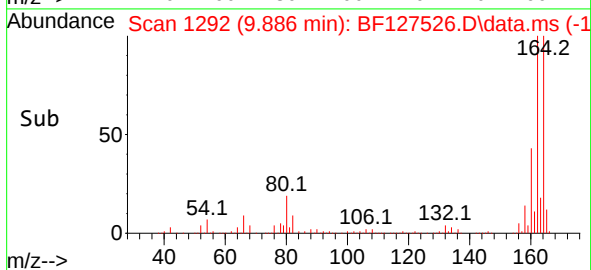
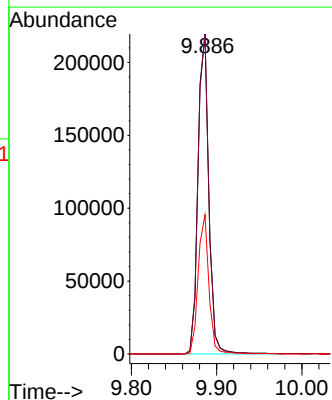
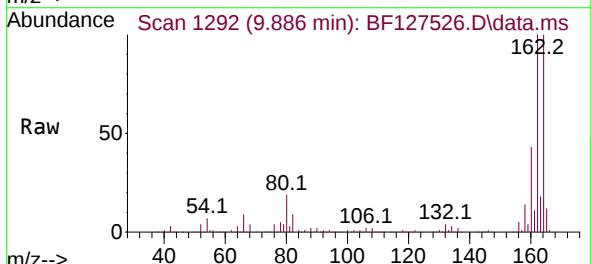
Instrument :
BNA_F
ClientSampleId :
CHRT-20019

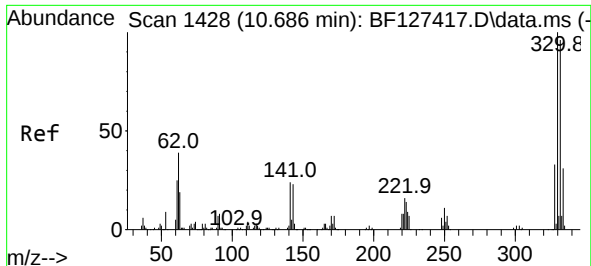
Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 239.5 117.1 157.1#
77 907.8 93.0 133.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF127526.D
Acq: 25 Mar 2022 14:15

Tgt Ion:164 Resp: 193565
Ion Ratio Lower Upper
164 100
162 99.9 81.2 121.8
160 43.4 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 96.770 ng

RT: 10.680 min Scan# 1428

Delta R.T. -0.006 min

Lab File: BF127526.D

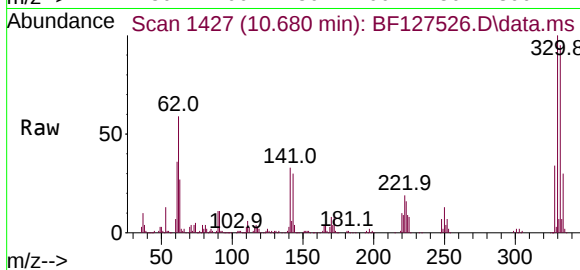
Acq: 25 Mar 2022 14:15

Instrument :

BNA_F

ClientSampleId :

CHRT-20019



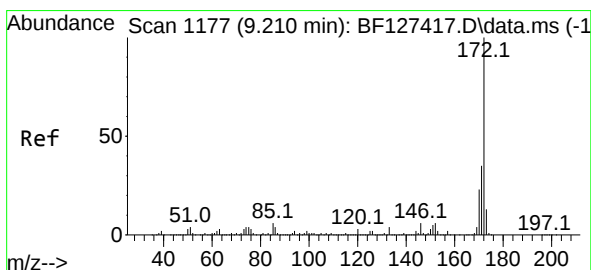
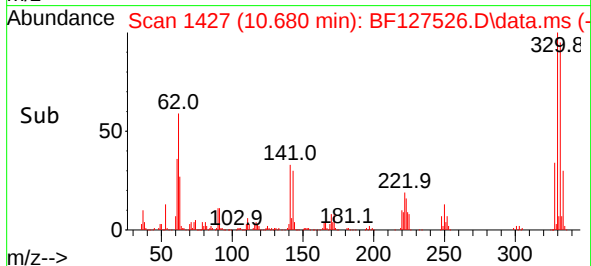
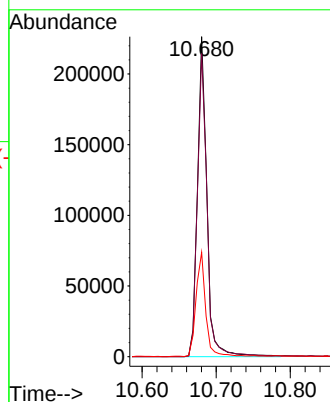
Tgt Ion:330 Resp: 199537

Ion Ratio Lower Upper

330 100

332 96.6 79.1 118.7

141 33.8 26.2 39.4



#45

2-Fluorobiphenyl

Concen: 66.115 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF127526.D

Acq: 25 Mar 2022 14:15

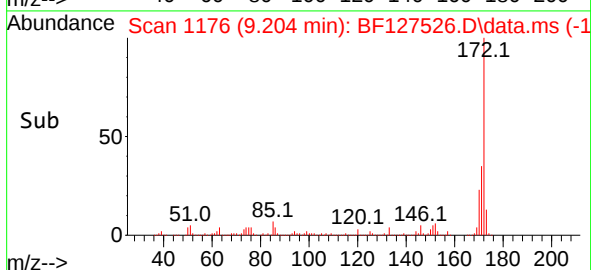
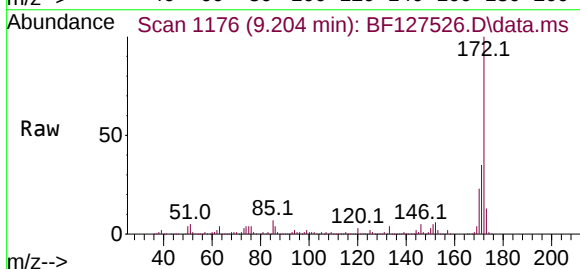
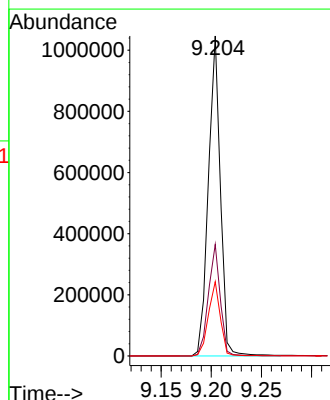
Tgt Ion:172 Resp: 876402

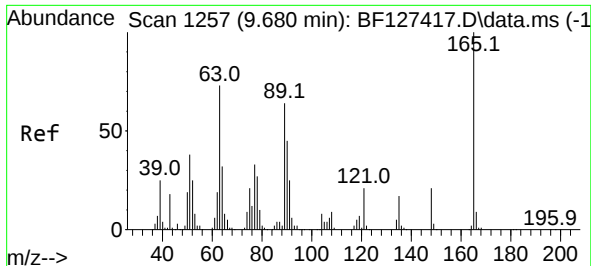
Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 23.2 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 8.635 ng

RT: 9.886 min Scan# 1292

Delta R.T. 0.206 min

Lab File: BF127526.D

Acq: 25 Mar 2022 14:15

Instrument :

BNA_F

ClientSampleId :

CHRT-20019

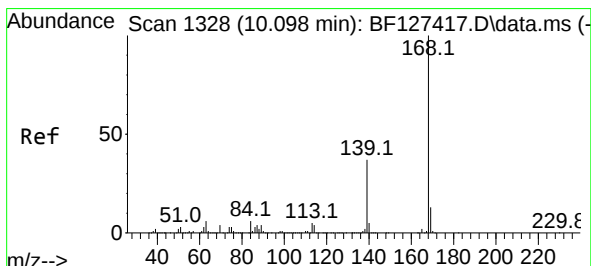
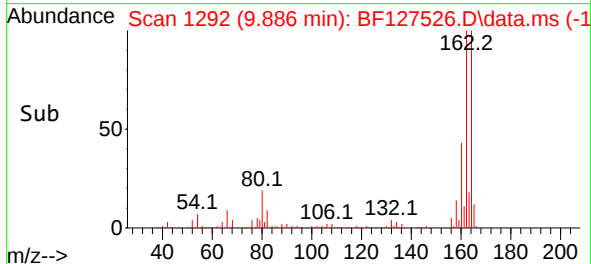
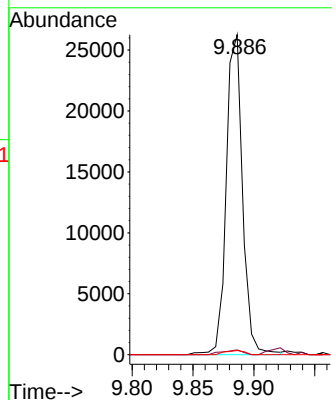
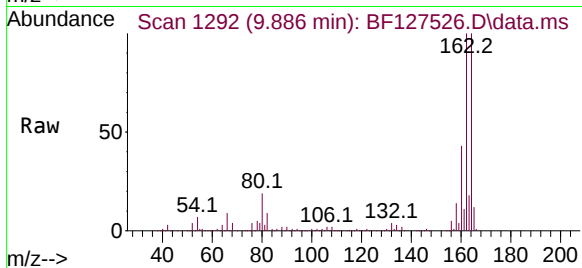
Tgt Ion:165 Resp: 24408

Ion Ratio Lower Upper

165 100

63 1.5 58.3 87.5#

89 1.3 51.5 77.3#



#55

Dibenzofuran

Concen: Below Cal

RT: 10.098 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF127526.D

Acq: 25 Mar 2022 14:15

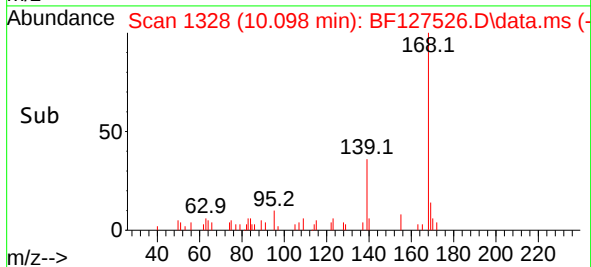
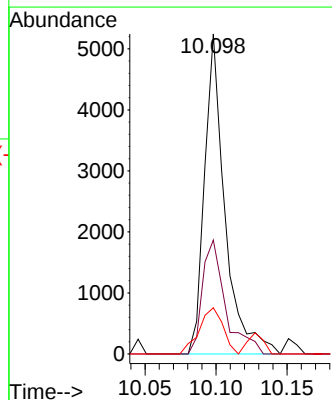
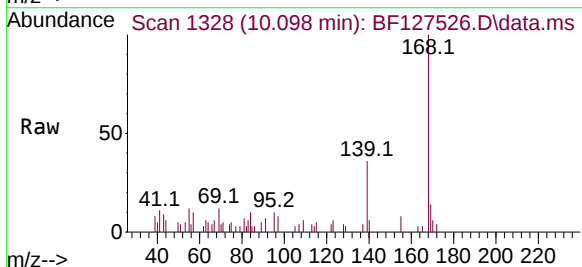
Tgt Ion:168 Resp: 5242

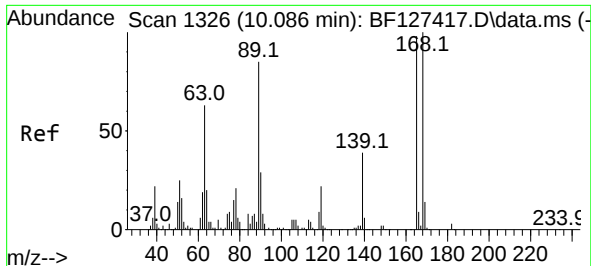
Ion Ratio Lower Upper

168 100

139 35.6 30.3 45.5

169 14.5 10.8 16.2

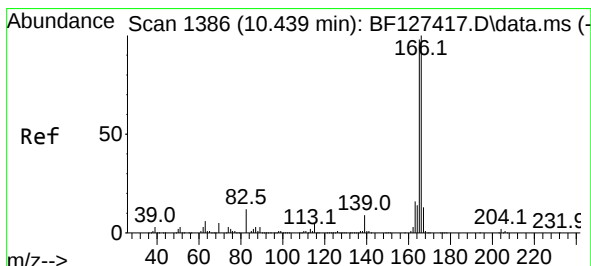
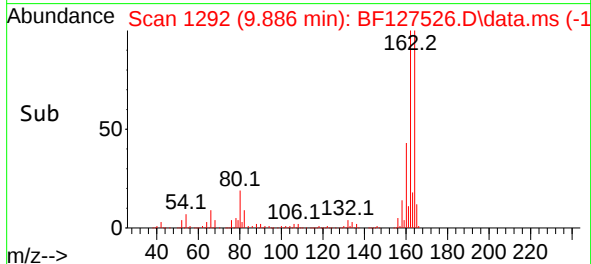
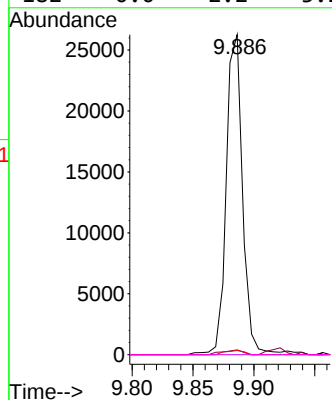
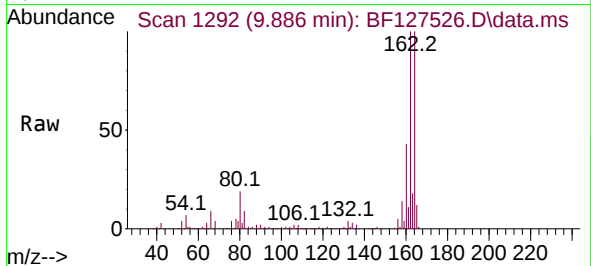




#57
2,4-Dinitrotoluene
Concen: 6.708 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF127526.D
Acq: 25 Mar 2022 14:15

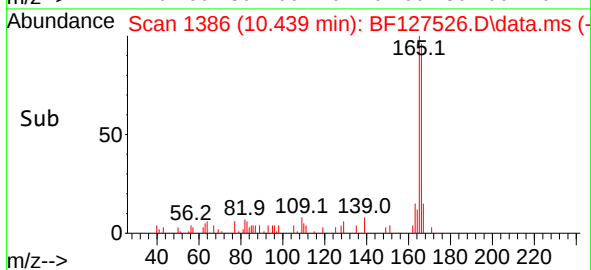
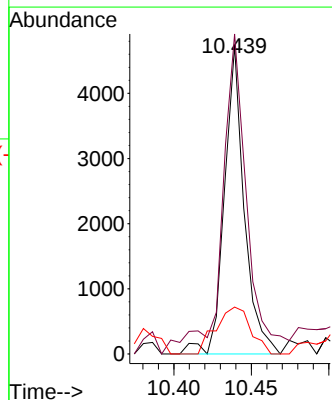
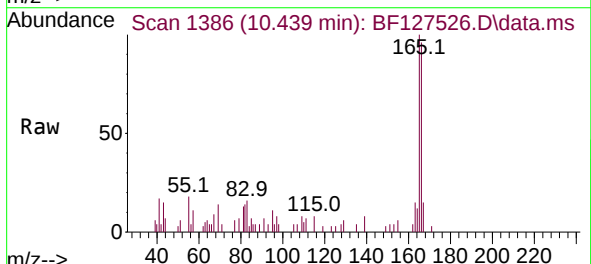
Instrument :
BNA_F
ClientSampleId :
CHRT-20019

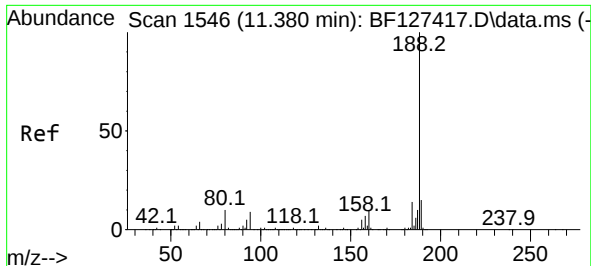
Tgt Ion:165 Resp: 24408
Ion Ratio Lower Upper
165 100
63 1.5 53.1 79.7#
89 1.3 69.2 103.8#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: Below Cal
RT: 10.439 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF127526.D
Acq: 25 Mar 2022 14:15

Tgt Ion:166 Resp: 4219
Ion Ratio Lower Upper
166 100
165 103.8 78.1 117.1
167 15.2 10.5 15.7

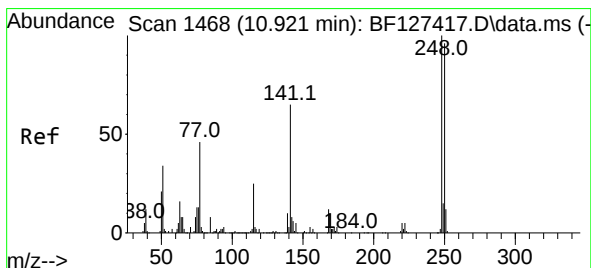
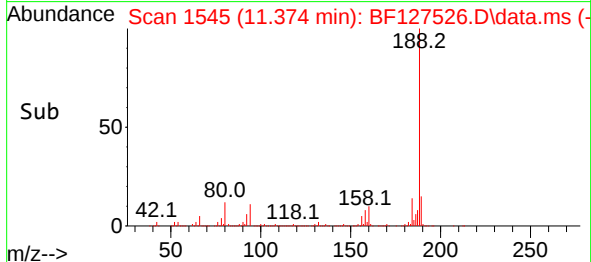
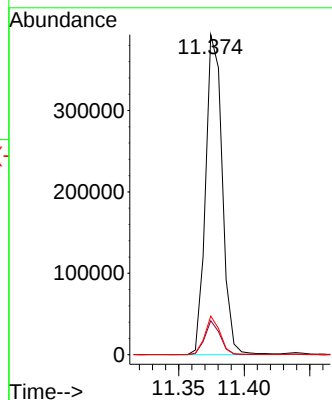
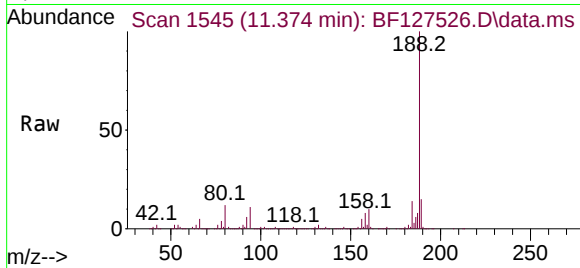




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127526.D
Acq: 25 Mar 2022 14:15

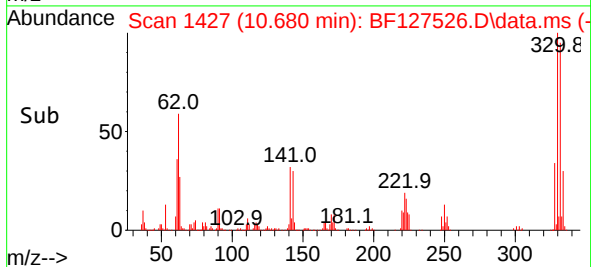
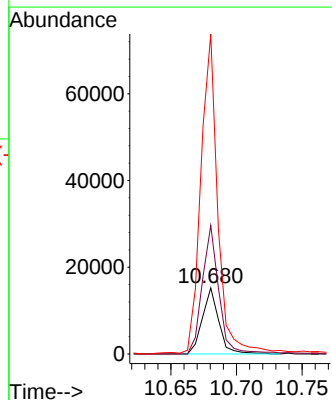
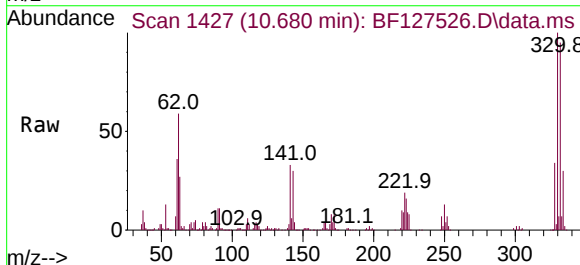
Instrument :
BNA_F
ClientSampleId :
CHRT-20019

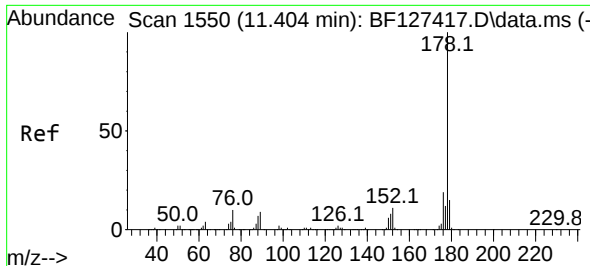
Tgt Ion:188 Resp: 348584
Ion Ratio Lower Upper
188 100
94 10.6 7.4 11.0
80 12.0 8.0 12.0#



#67
4-Bromophenyl-phenylether
Concen: 3.273 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.241 min
Lab File: BF127526.D
Acq: 25 Mar 2022 14:15

Tgt Ion:248 Resp: 13321
Ion Ratio Lower Upper
248 100
250 194.5 76.6 115.0#
141 484.4 52.2 78.2#

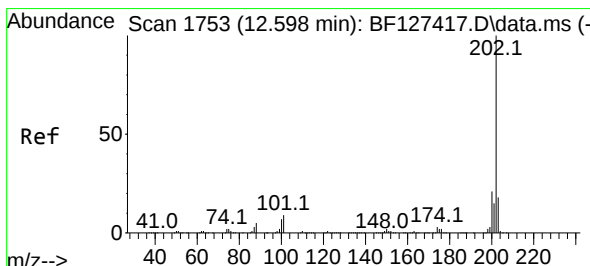
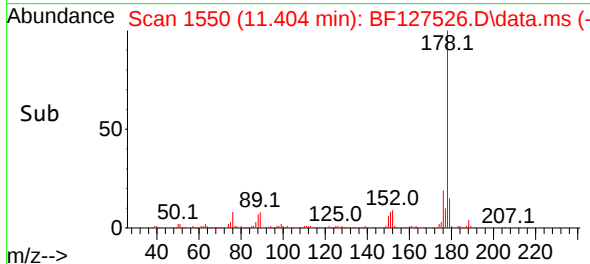
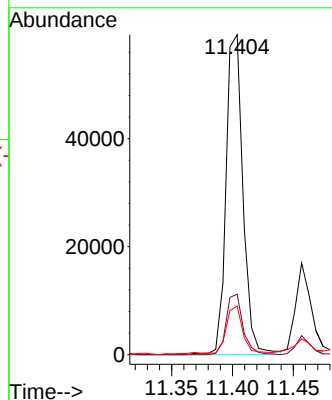
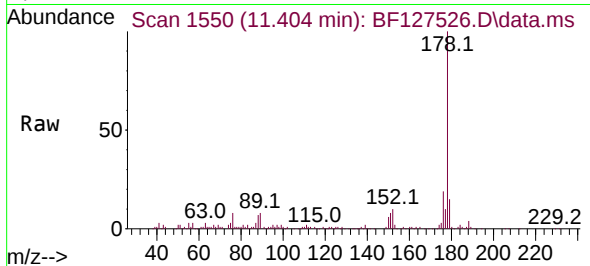




#71
Phenanthrene
Concen: 3.160 ng
RT: 11.404 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127526.D
Acq: 25 Mar 2022 14:15

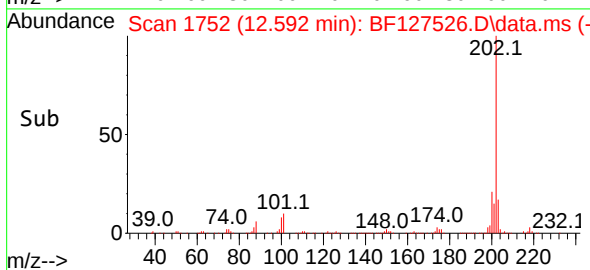
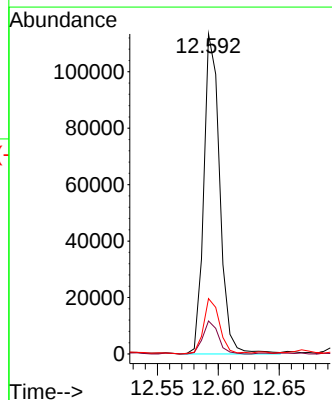
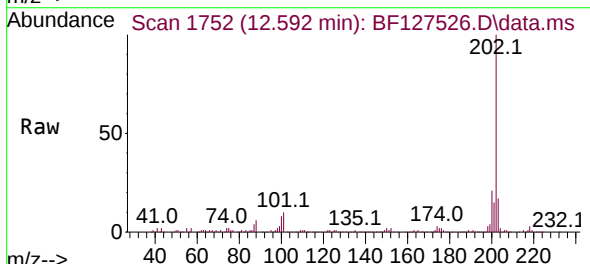
Instrument :
BNA_F
ClientSampleId :
CHRT-20019

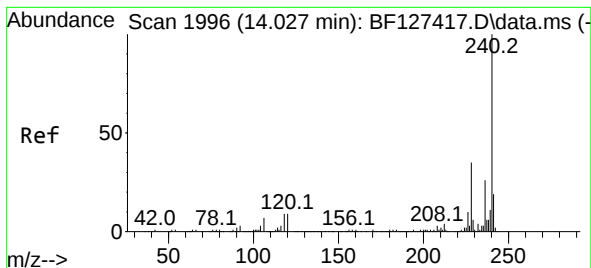
Tgt Ion:178 Resp: 57429
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.2 12.4 18.6



#75
Fluoranthene
Concen: 5.194 ng
RT: 12.592 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BF127526.D
Acq: 25 Mar 2022 14:15

Tgt Ion:202 Resp: 103821
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.0
203 17.3 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 1996

Delta R.T. 0.000 min

Lab File: BF127526.D

Acq: 25 Mar 2022 14:15

Instrument :

BNA_F

ClientSampleId :

CHRT-20019

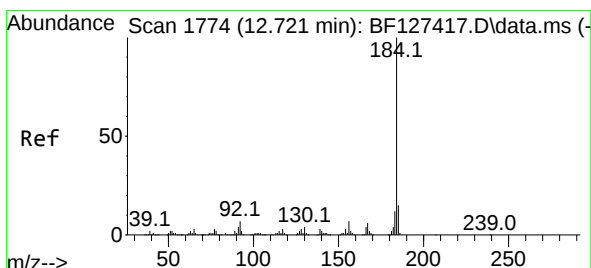
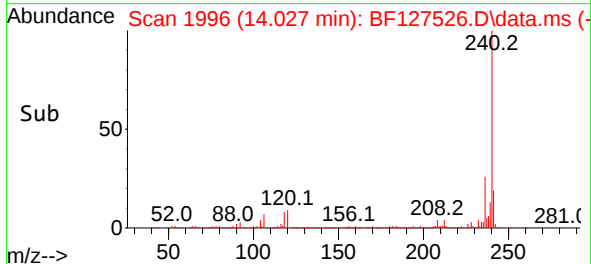
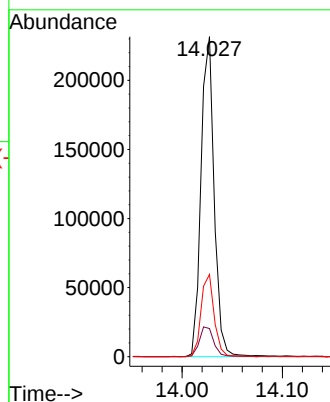
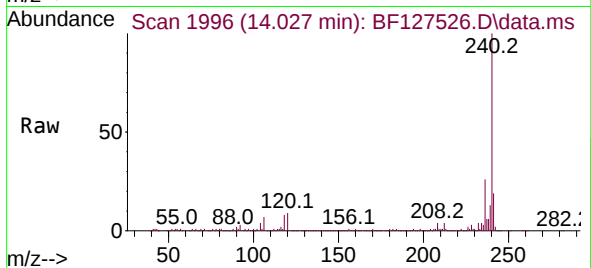
Tgt Ion:240 Resp: 212370

Ion Ratio Lower Upper

240 100

120 8.8 7.1 10.7

236 25.7 20.7 31.1



#77

Benidine

Concen: 2.359 ng

RT: 12.963 min Scan# 1815

Delta R.T. 0.241 min

Lab File: BF127526.D

Acq: 25 Mar 2022 14:15

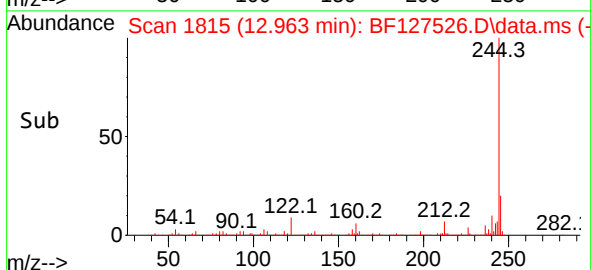
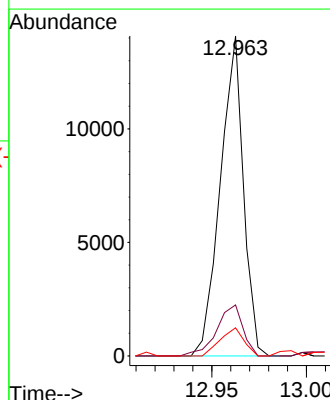
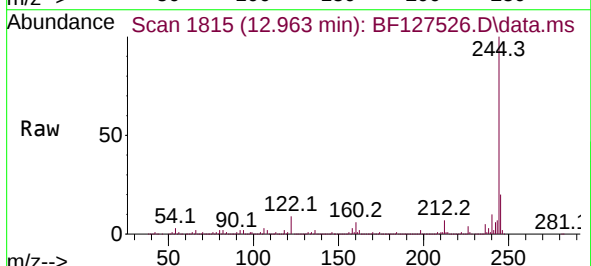
Tgt Ion:184 Resp: 11947

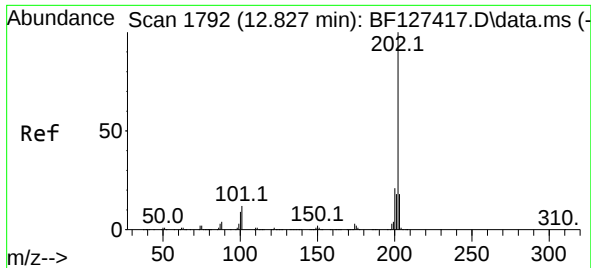
Ion Ratio Lower Upper

184 100

185 16.0 12.2 18.2

183 8.8 9.4 14.0#

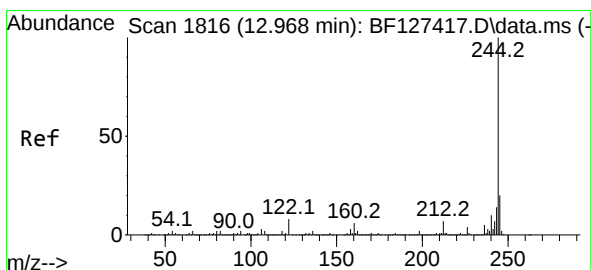
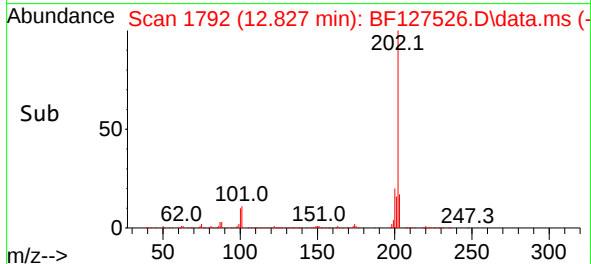
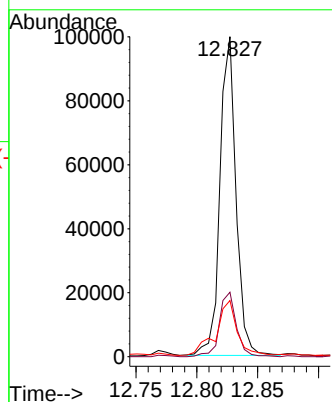
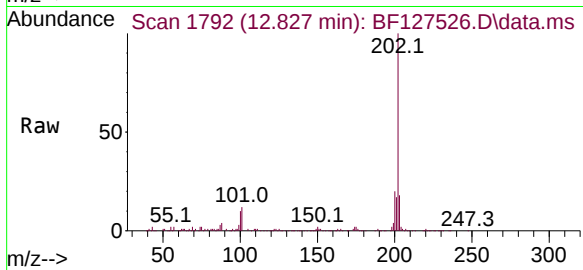




#78
 Pyrene
 Concen: 5.044 ng
 RT: 12.827 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127526.D
 Acq: 25 Mar 2022 14:15

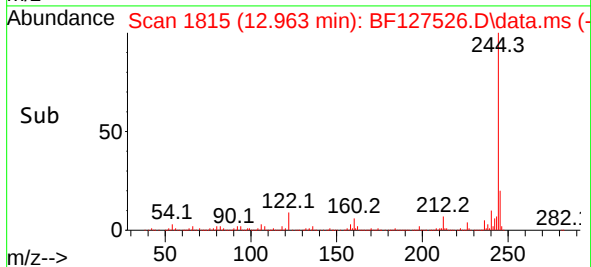
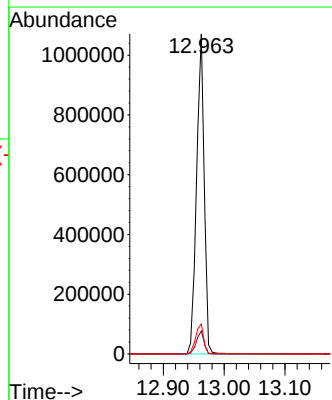
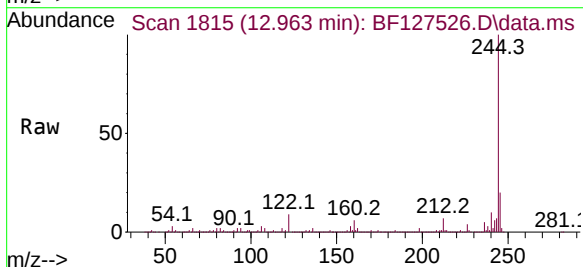
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20019

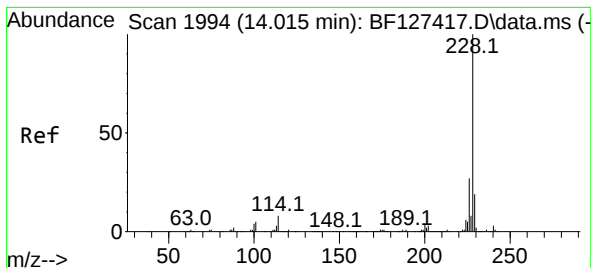
Tgt Ion:202 Resp: 91934
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.1 25.7
 203 17.5 14.3 21.5



#79
 Terphenyl-d14
 Concen: 72.250 ng
 RT: 12.963 min Scan# 1815
 Delta R.T. -0.006 min
 Lab File: BF127526.D
 Acq: 25 Mar 2022 14:15

Tgt Ion:244 Resp: 937293
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 9.3 6.2 9.2#





#81

Benzo(a)anthracene

Concen: 2.714 ng

RT: 14.015 min Scan# 1994

Delta R.T. 0.000 min

Lab File: BF127526.D

Acq: 25 Mar 2022 14:15

Instrument :

BNA_F

ClientSampleId :

CHRT-20019

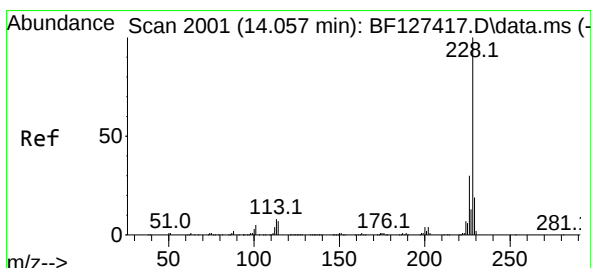
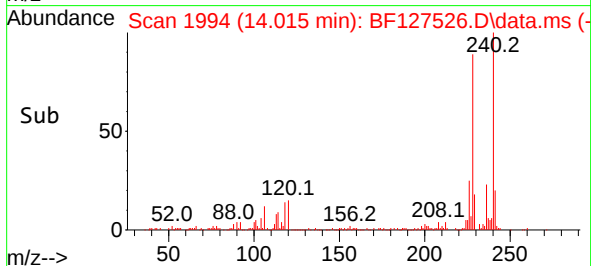
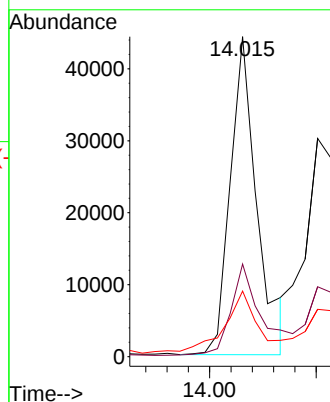
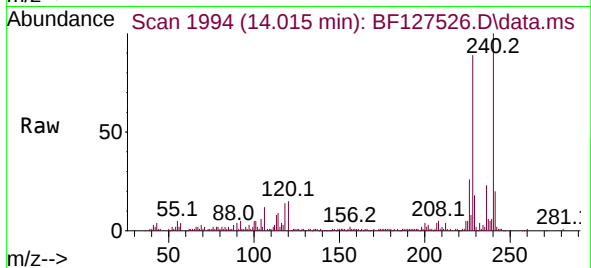
Tgt Ion:228 Resp: 38538

Ion Ratio Lower Upper

228 100

226 29.0 21.6 32.4

229 20.5 15.4 23.2



#83

Chrysene

Concen: 2.522 ng

RT: 14.051 min Scan# 2000

Delta R.T. -0.006 min

Lab File: BF127526.D

Acq: 25 Mar 2022 14:15

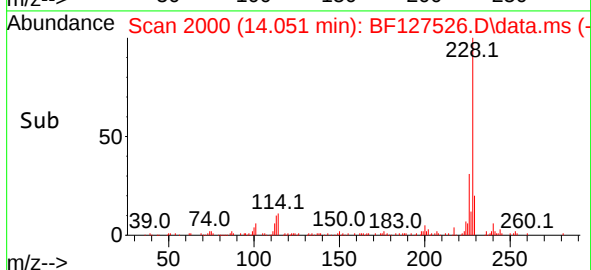
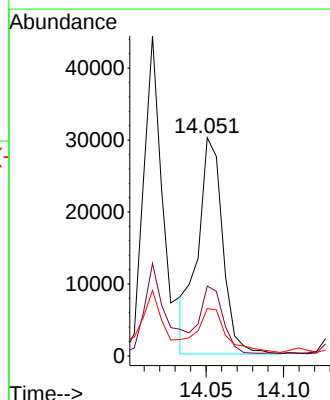
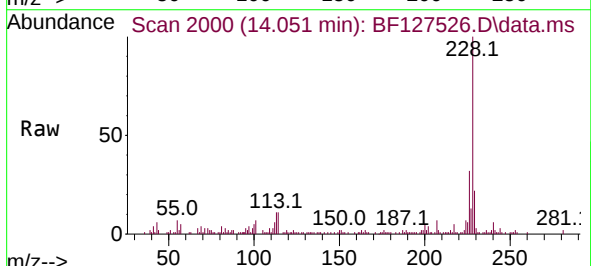
Tgt Ion:228 Resp: 33919

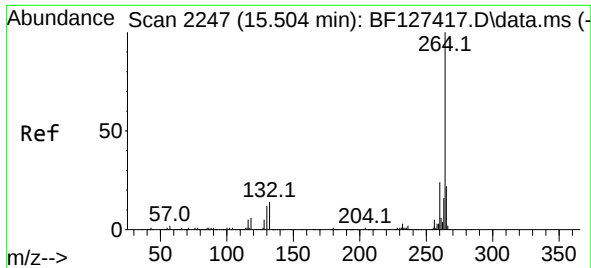
Ion Ratio Lower Upper

228 100

226 32.0 24.2 36.4

229 21.7 15.4 23.2

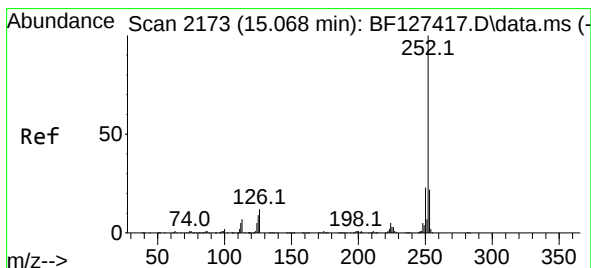
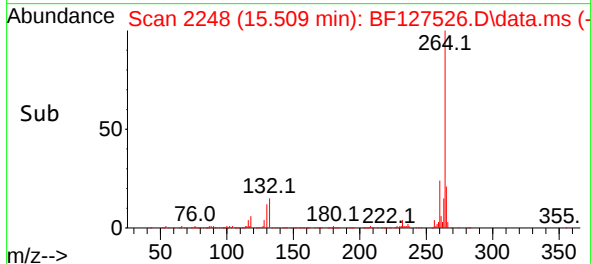
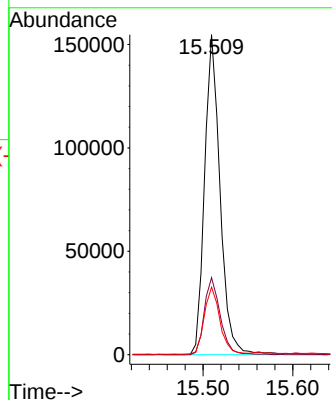
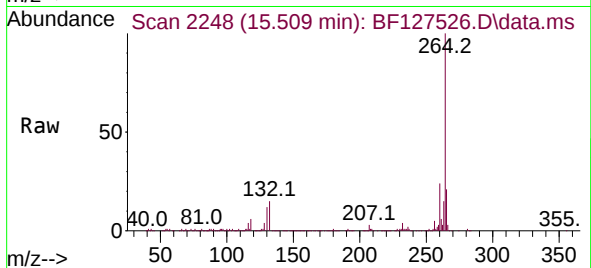




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 2175
 Delta R.T. 0.006 min
 Lab File: BF127526.D
 Acq: 25 Mar 2022 14:15

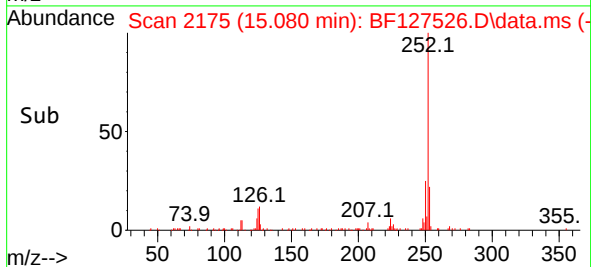
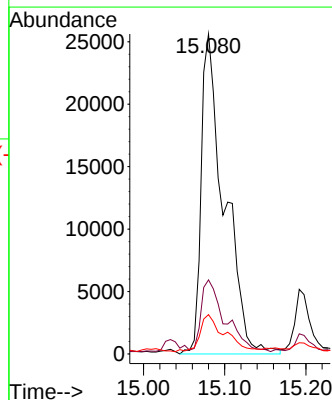
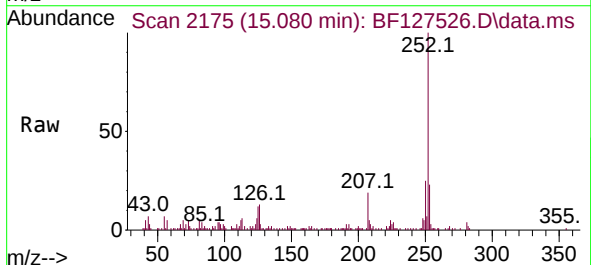
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20019

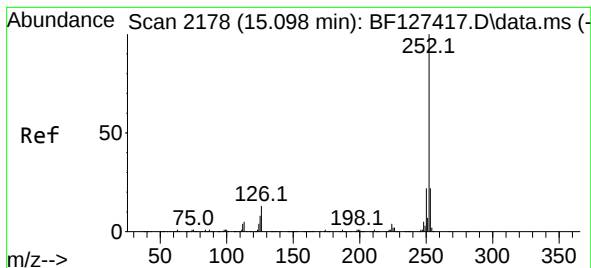
Tgt Ion:264 Resp: 185409
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.1 28.7
 265 21.1 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 4.331 ng
 RT: 15.080 min Scan# 2175
 Delta R.T. 0.012 min
 Lab File: BF127526.D
 Acq: 25 Mar 2022 14:15

Tgt Ion:252 Resp: 50635
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.9 26.9
 125 12.3 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 4.178 ng

RT: 15.080 min Scan# 2175

Delta R.T. -0.018 min

Lab File: BF127526.D

Acq: 25 Mar 2022 14:15

Instrument :

BNA_F

ClientSampleId :

CHRT-20019

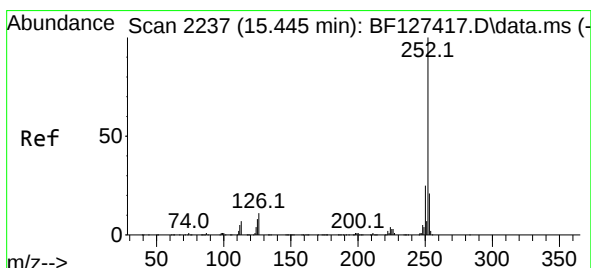
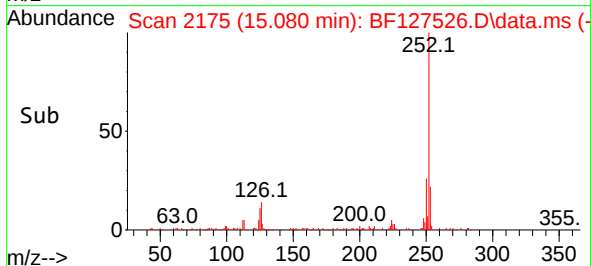
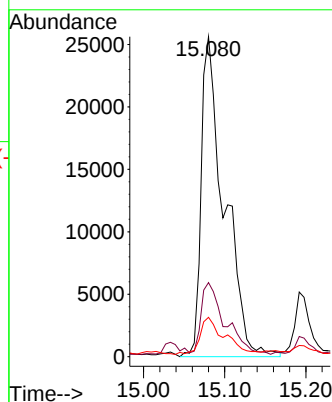
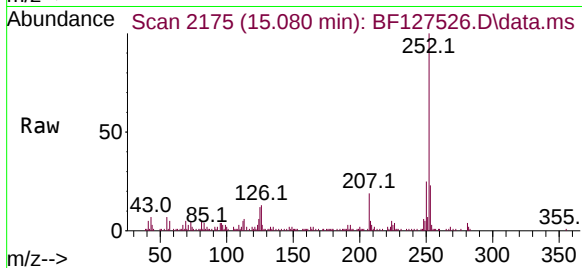
Tgt Ion:252 Resp: 50635

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 12.3 6.9 10.3#



#90

Benzo(a)pyrene

Concen: 2.744 ng

RT: 15.451 min Scan# 2238

Delta R.T. 0.006 min

Lab File: BF127526.D

Acq: 25 Mar 2022 14:15

Tgt Ion:252 Resp: 26330

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.6

125 9.4 6.7 10.1

