

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
 Data File : BF127267.D
 Acq On : 08 Mar 2022 19:28
 Operator : CG\JU
 Sample : N1829-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-030722

Quant Time: Mar 09 01:19:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 02:16:58 2022
 Response via : Initial Calibration

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

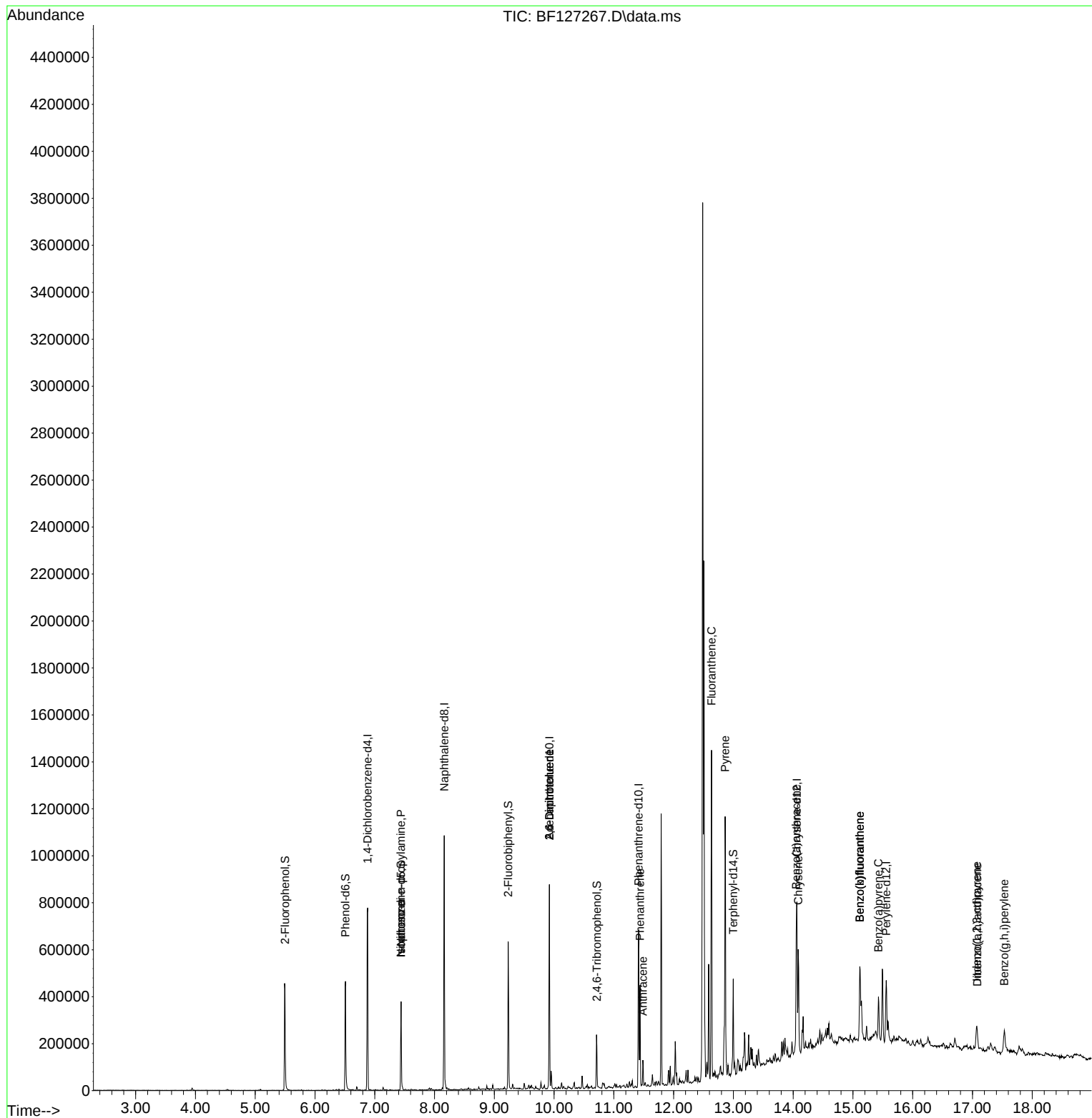
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	113620	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	415690	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	153337	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	228486	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	148815	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	109770	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	126079	17.151	ng	0.00
7) Phenol-d6	6.510	99	163178	16.450	ng	0.00
23) Nitrobenzene-d5	7.439	82	104446	11.341	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	24074	13.636	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	161158	15.472	ng	0.00
79) Terphenyl-d14	12.998	244	115314	11.391	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	14245	2.229	ng	# 80
25) Isophorone	7.439	82	104442	6.853	ng	# 69
51) 2,6-Dinitrotoluene	9.922	165	20927	9.385	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	20927	6.941	ng	# 15
71) Phenanthrene	11.439	178	153340	11.990	ng	99
72) Anthracene	11.486	178	39888	3.133	ng	98
75) Fluoranthene	12.633	202	481612	39.662	ng	94
78) Pyrene	12.863	202	435405	33.677	ng	98
81) Benzo(a)anthracene	14.051	228	177917	17.734	ng	98
83) Chrysene	14.086	228	163453	17.325	ng	96
87) Indeno(1,2,3-cd)pyrene	17.074	276	74394	10.336	ng	# 81
88) Benzo(b)fluoranthene	15.115	252	244095	33.109	ng	# 95
89) Benzo(k)fluoranthene	15.115	252	244095	34.326	ng	# 96
90) Benzo(a)pyrene	15.427	252	85602	14.865	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	17221	2.893	ng	# 86
92) Benzo(g,h,i)perylene	17.533	276	74423	12.681	ng	# 84

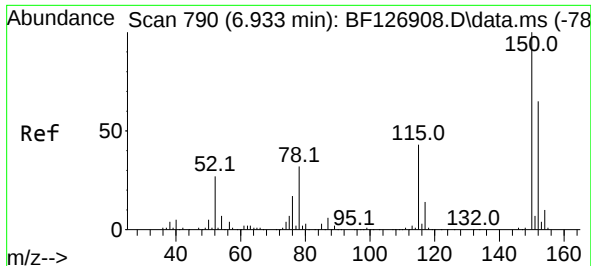
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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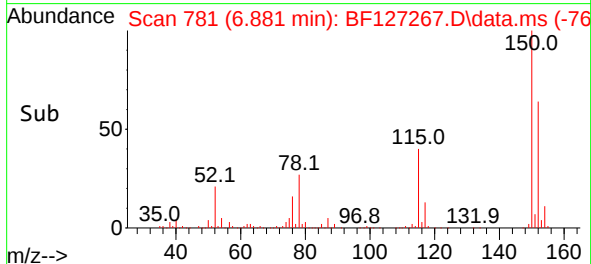
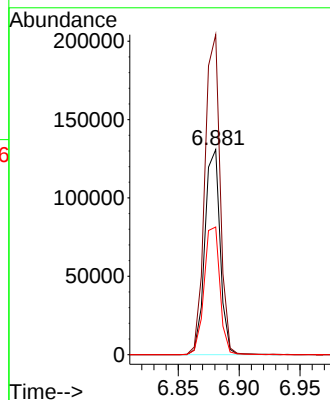
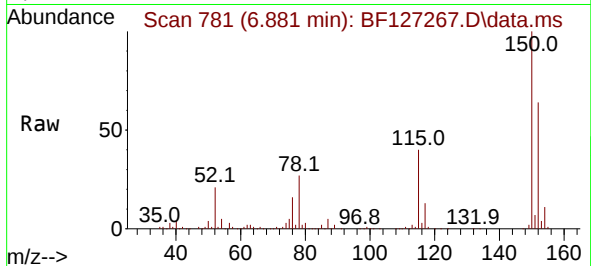




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

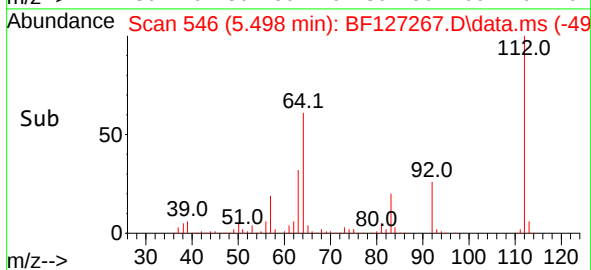
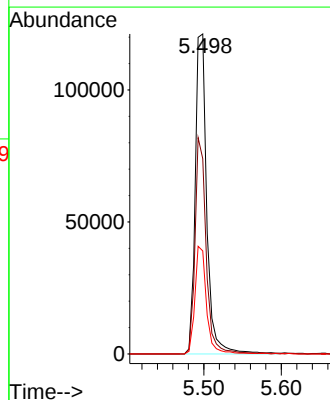
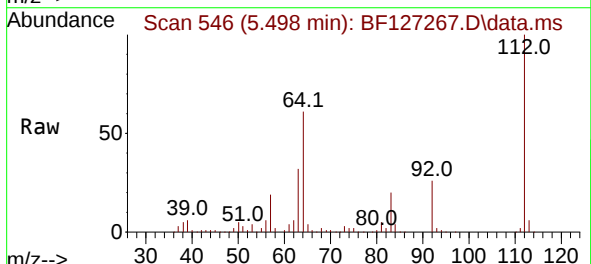
Instrument :
BNA_F
ClientSampleId :
SU-03-030722

Tgt Ion:152 Resp: 113620
Ion Ratio Lower Upper
152 100
150 156.0 128.1 192.1
115 62.2 56.7 85.1



#5
2-Fluorophenol
Concen: 17.151 ng
RT: 5.498 min Scan# 546
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Tgt Ion:112 Resp: 126079
Ion Ratio Lower Upper
112 100
64 61.0 49.5 74.3
63 32.2 23.9 35.9

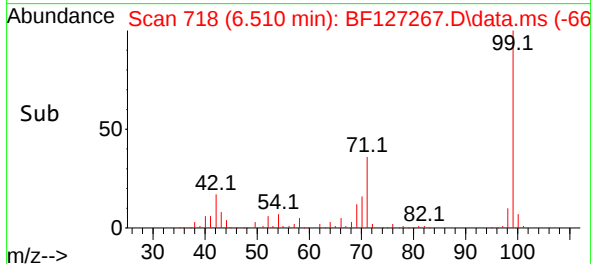
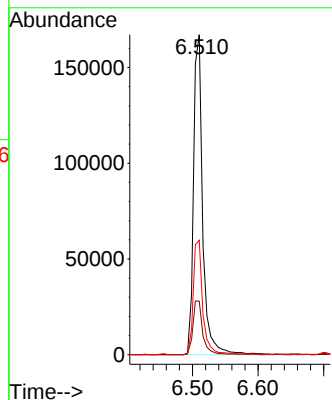
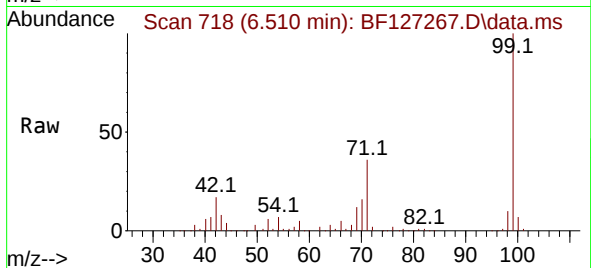




#7
Phenol-d6
Concen: 16.450 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

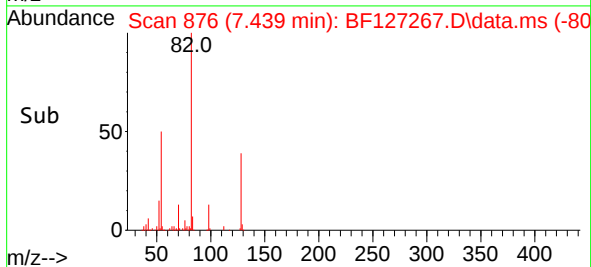
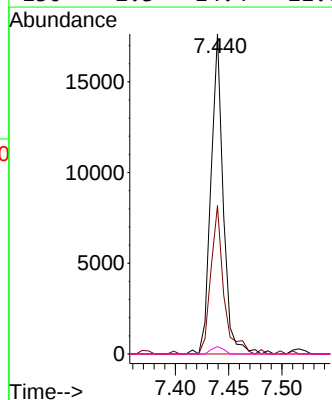
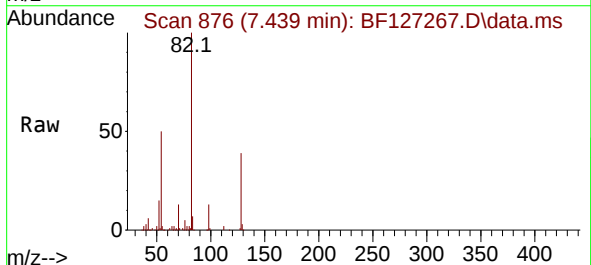
Instrument :
BNA_F
ClientSampleId :
SU-03-030722

Tgt Ion: 99 Resp: 163178
Ion Ratio Lower Upper
99 100
42 16.7 14.2 21.4
71 35.7 24.3 36.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.229 ng
RT: 7.439 min Scan# 876
Delta R.T. 0.147 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Tgt Ion: 70 Resp: 14245
Ion Ratio Lower Upper
70 100
42 46.3 45.8 68.8
101 0.0 6.9 10.3#
130 2.3 14.4 21.6#

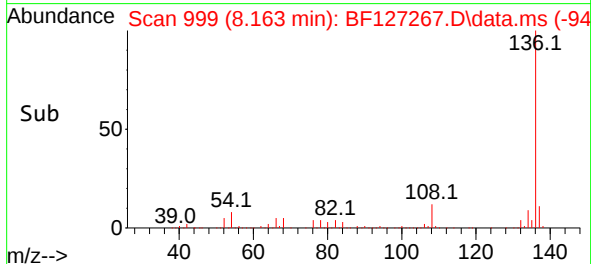
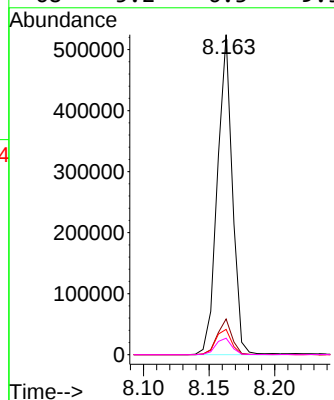
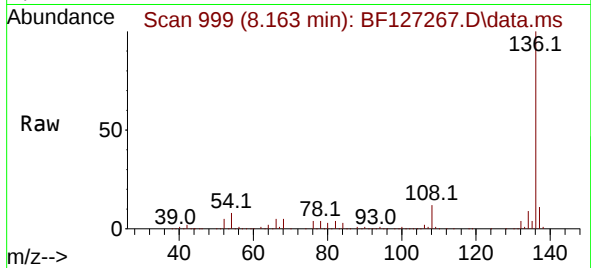




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

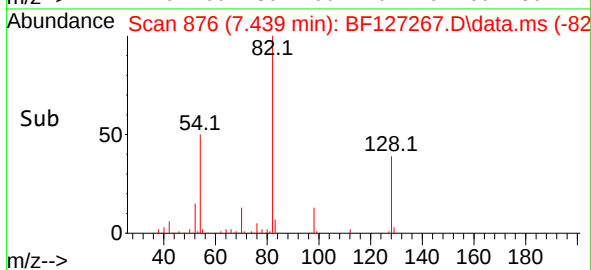
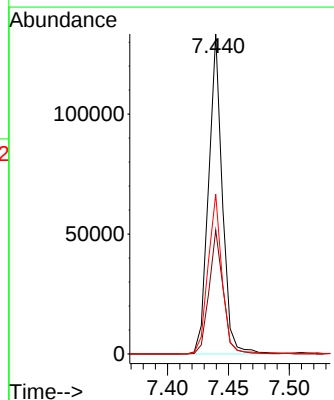
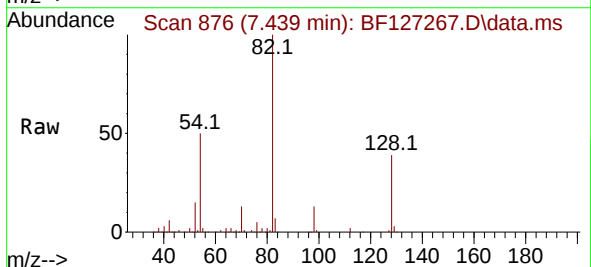
Instrument :
BNA_F
ClientSampleId :
SU-03-030722

Tgt Ion:136 Resp: 415690
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.9 7.8 11.6
68 5.2 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 11.341 ng
RT: 7.439 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Tgt Ion: 82 Resp: 104446
Ion Ratio Lower Upper
82 100
128 38.7 32.7 49.1
54 50.0 41.7 62.5

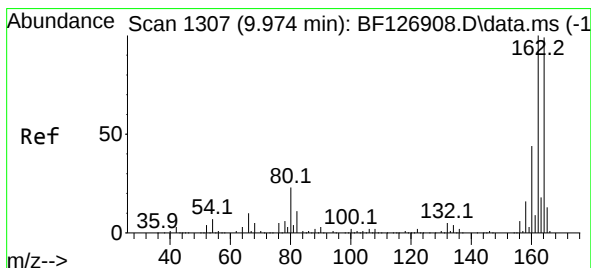
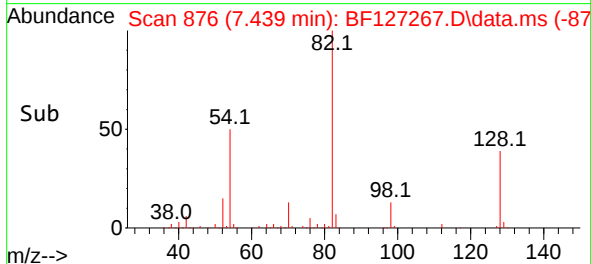
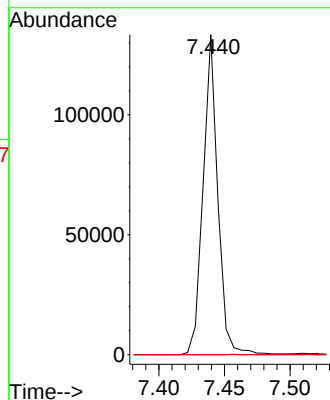
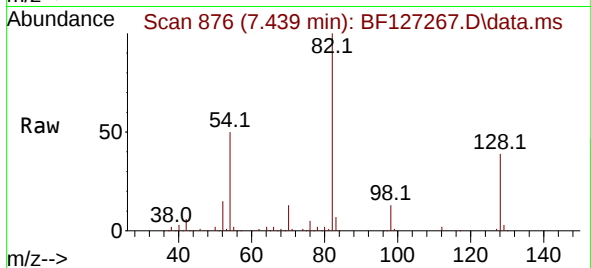




#25
Isophorone
Concen: 6.853 ng
RT: 7.439 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

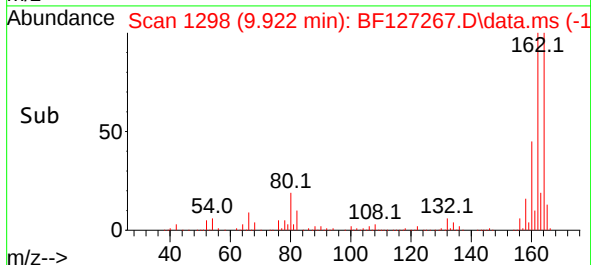
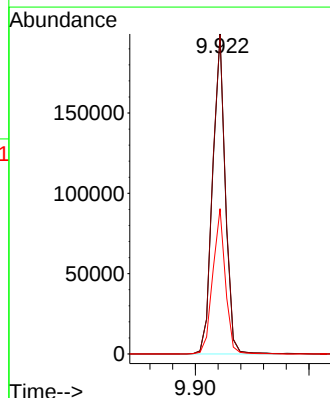
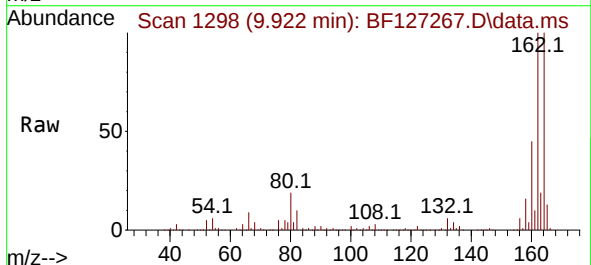
Instrument :
BNA_F
ClientSampleId :
SU-03-030722

Tgt Ion: 82 Resp: 104442
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

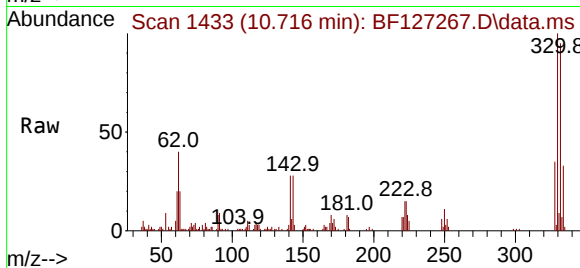
Tgt Ion:164 Resp: 153337
Ion Ratio Lower Upper
164 100
162 99.8 81.4 122.0
160 45.4 36.6 54.8





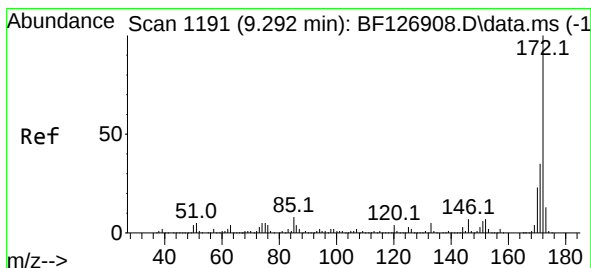
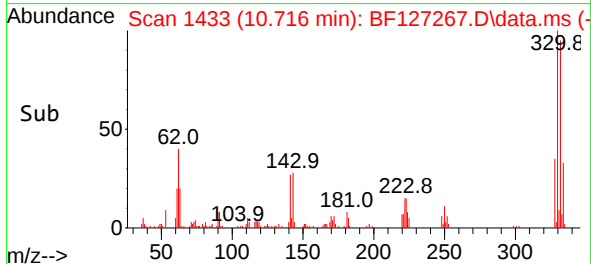
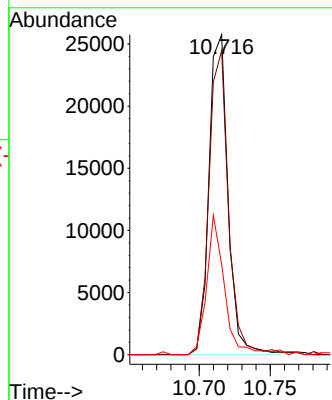
#42
 2,4,6-Tribromophenol
 Concen: 13.636 ng
 RT: 10.716 min Scan# 1442
 Delta R.T. -0.000 min
 Lab File: BF127267.D
 Acq: 08 Mar 2022 19:28

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-030722



Tgt Ion: 330 Resp: 24074

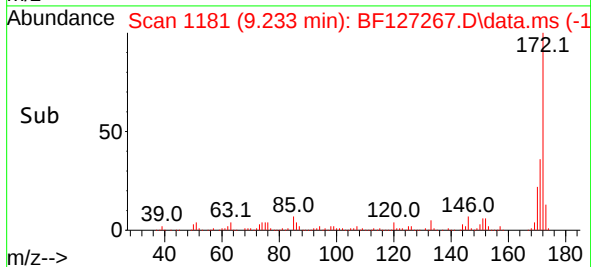
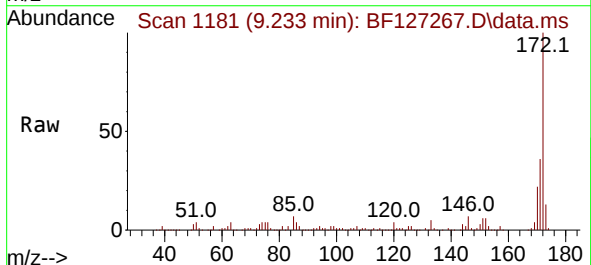
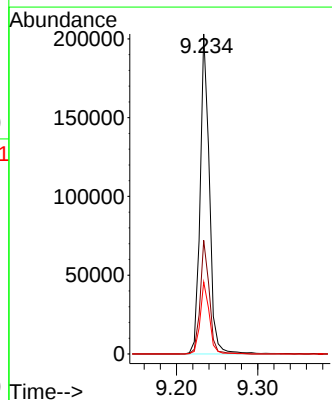
Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.0	114.0
141	41.1	30.1	45.1



#45
 2-Fluorobiphenyl
 Concen: 15.472 ng
 RT: 9.233 min Scan# 1181
 Delta R.T. -0.006 min
 Lab File: BF127267.D
 Acq: 08 Mar 2022 19:28

Tgt Ion: 172 Resp: 161158

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	22.5	19.0	28.6





#51

2,6-Dinitrotoluene

Concen: 9.385 ng

RT: 9.922 min Scan# 1298

Delta R.T. 0.212 min

Lab File: BF127267.D

Acq: 08 Mar 2022 19:28

Instrument :

BNA_F

ClientSampleId :

SU-03-030722

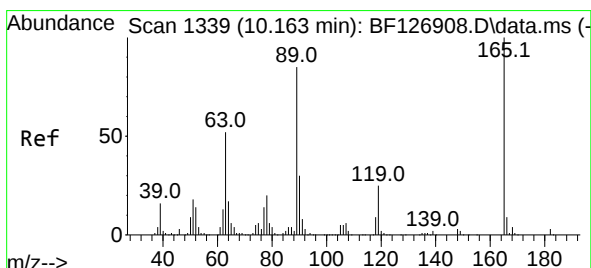
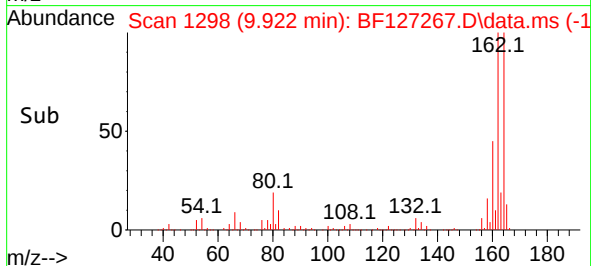
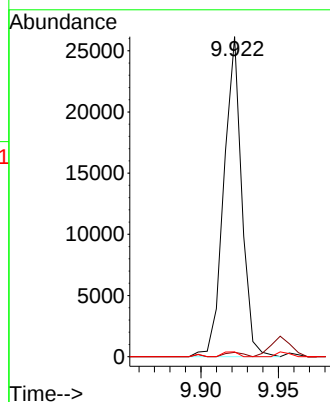
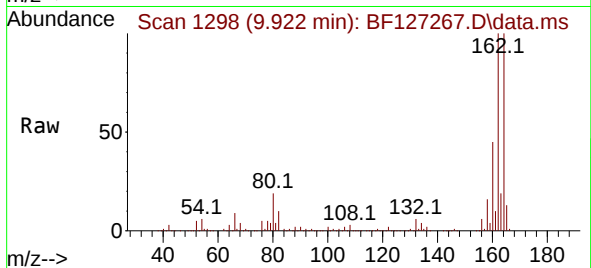
Tgt Ion:165 Resp: 20927

Ion Ratio Lower Upper

165 100

63 1.4 48.4 72.6#

89 1.5 50.5 75.7#



#57

2,4-Dinitrotoluene

Concen: 6.941 ng

RT: 9.922 min Scan# 1298

Delta R.T. -0.194 min

Lab File: BF127267.D

Acq: 08 Mar 2022 19:28

Tgt Ion:165 Resp: 20927

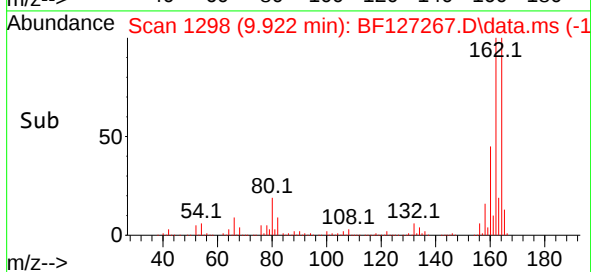
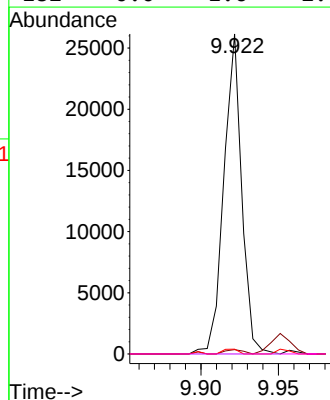
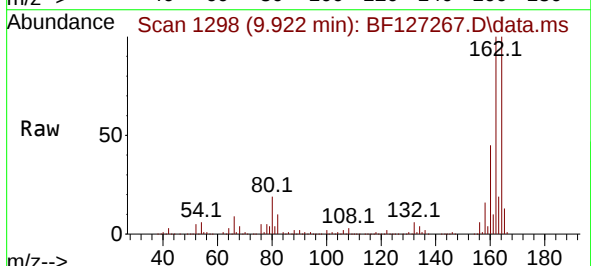
Ion Ratio Lower Upper

165 100

63 1.4 43.0 64.6#

89 1.5 71.0 106.4#

182 0.0 1.6 2.4#

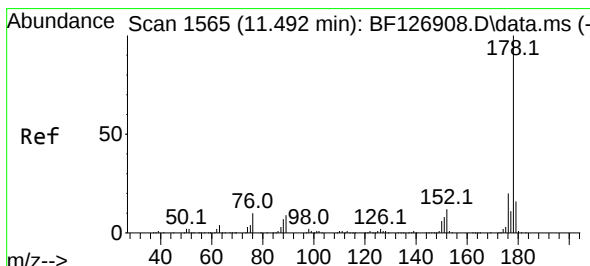
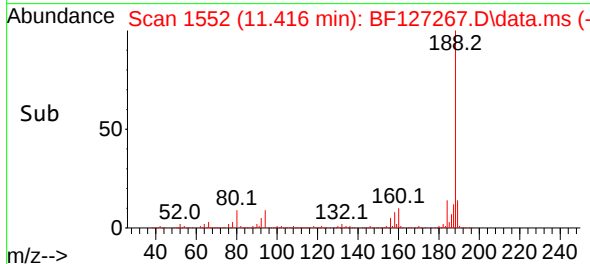
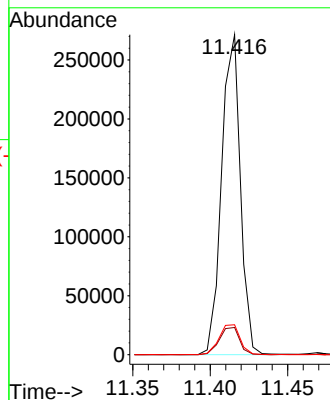
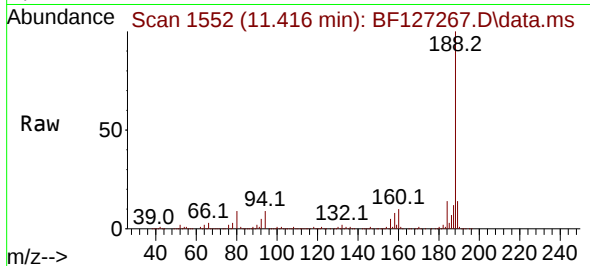




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

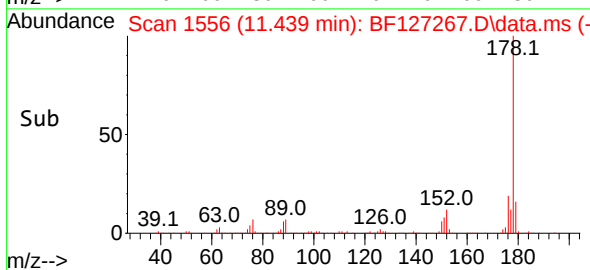
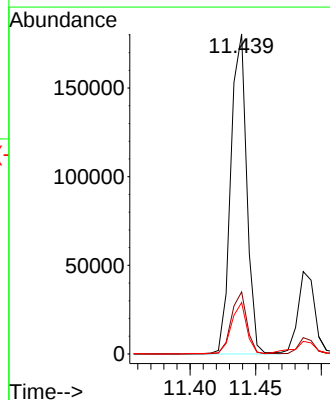
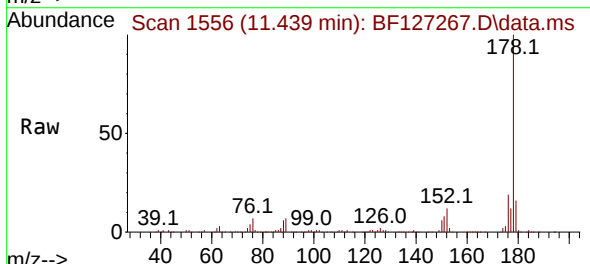
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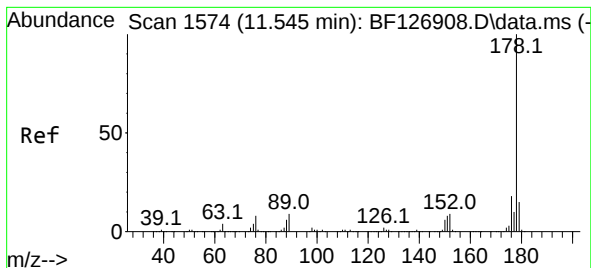
Tgt Ion:188 Resp: 228486
Ion Ratio Lower Upper
188 100
94 8.5 10.1 15.1#
80 9.4 11.8 17.6#



#71
Phenanthrene
Concen: 11.990 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Tgt Ion:178 Resp: 153340
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 16.1 12.3 18.5





#72

Anthracene

Concen: 3.133 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127267.D

Acq: 08 Mar 2022 19:28

Instrument :

BNA_F

ClientSampleId :

SU-03-030722

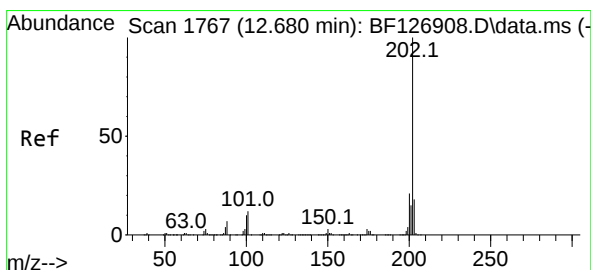
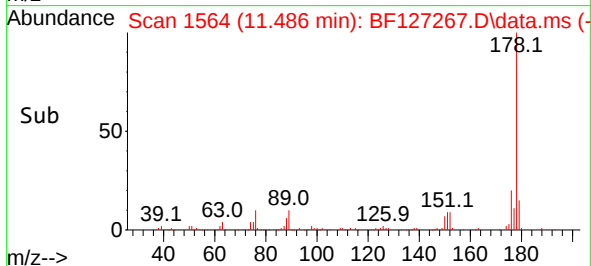
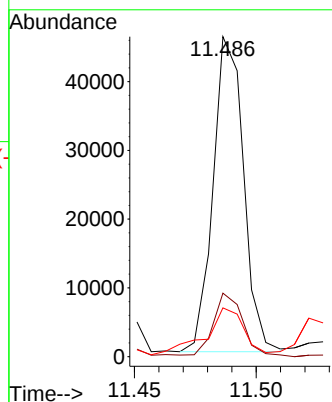
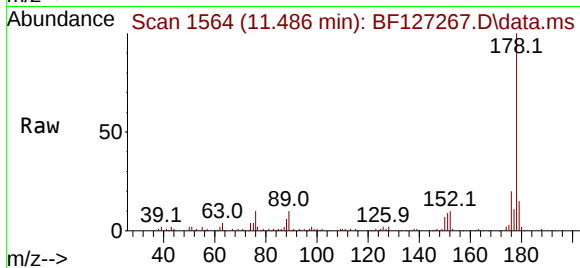
Tgt Ion:178 Resp: 39888

Ion Ratio Lower Upper

178 100

176 19.9 15.0 22.6

179 15.3 12.5 18.7



#75

Fluoranthene

Concen: 39.662 ng

RT: 12.633 min Scan# 1759

Delta R.T. -0.000 min

Lab File: BF127267.D

Acq: 08 Mar 2022 19:28

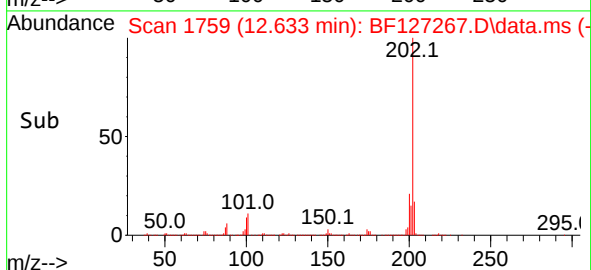
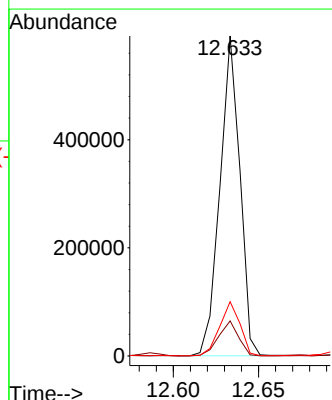
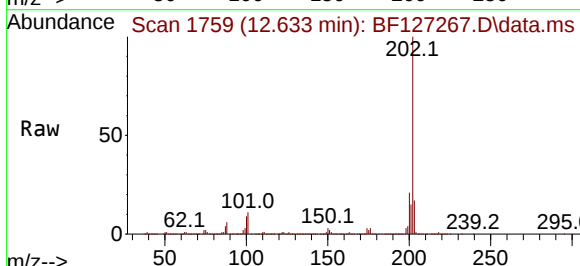
Tgt Ion:202 Resp: 481612

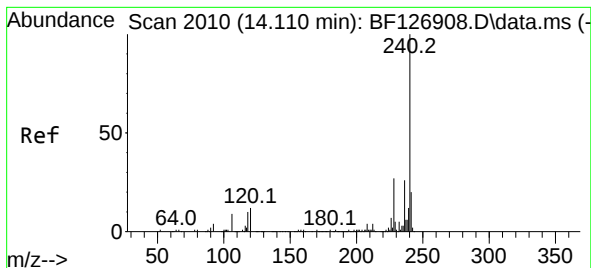
Ion Ratio Lower Upper

202 100

101 10.9 0.0 35.7

203 16.9 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF127267.D

Acq: 08 Mar 2022 19:28

Instrument :

BNA_F

ClientSampleId :

SU-03-030722

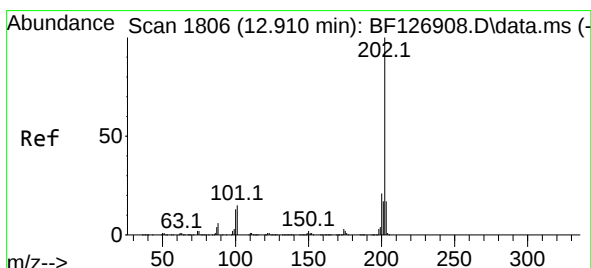
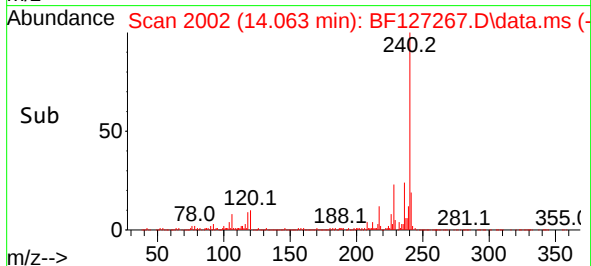
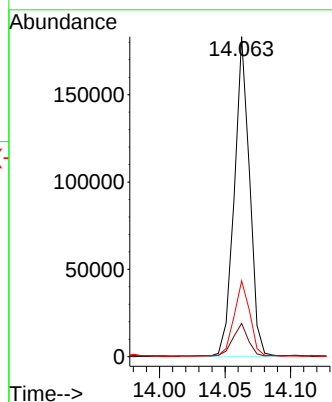
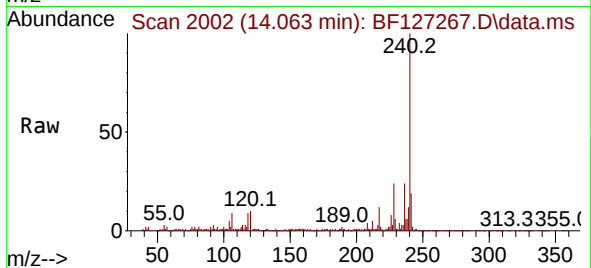
Tgt Ion:240 Resp: 148815

Ion Ratio Lower Upper

240 100

120 10.4 14.4 21.6#

236 23.7 20.5 30.7



#78

Pyrene

Concen: 33.677 ng

RT: 12.863 min Scan# 1798

Delta R.T. -0.000 min

Lab File: BF127267.D

Acq: 08 Mar 2022 19:28

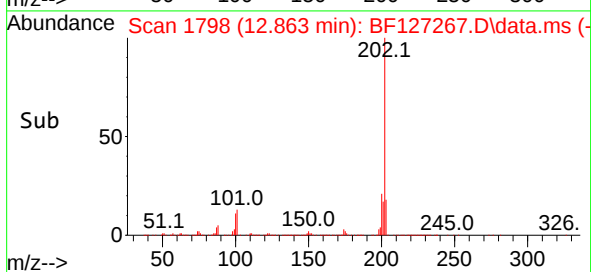
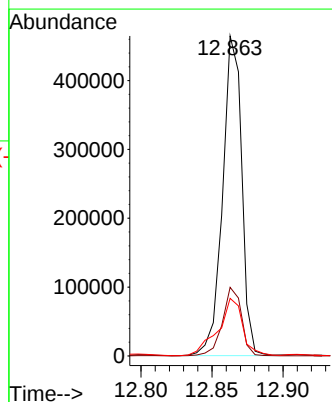
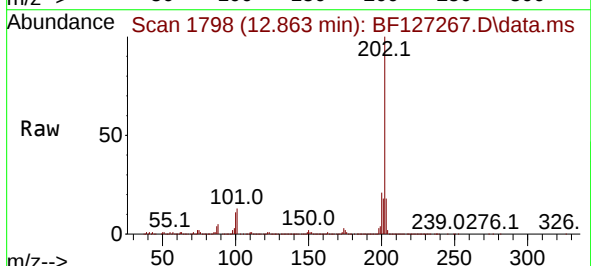
Tgt Ion:202 Resp: 435405

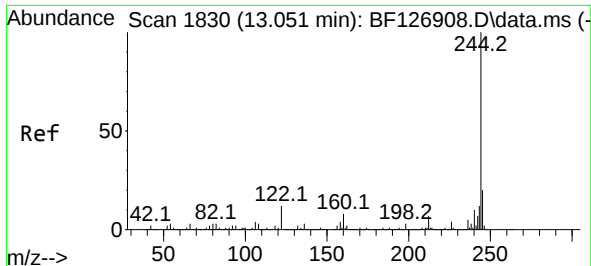
Ion Ratio Lower Upper

202 100

200 21.4 16.6 24.8

203 18.0 13.8 20.8

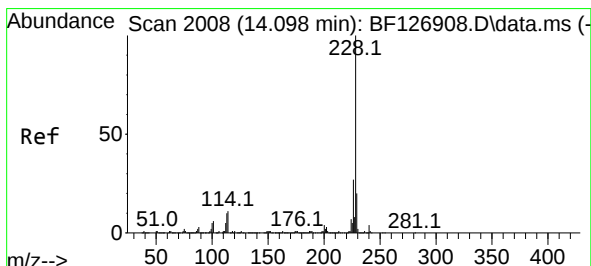
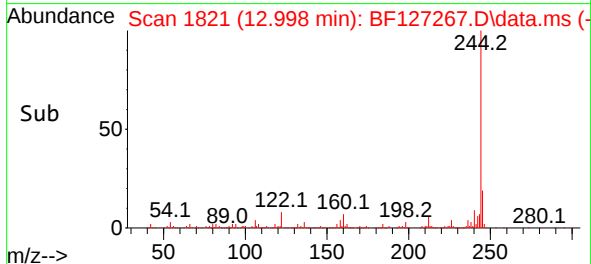
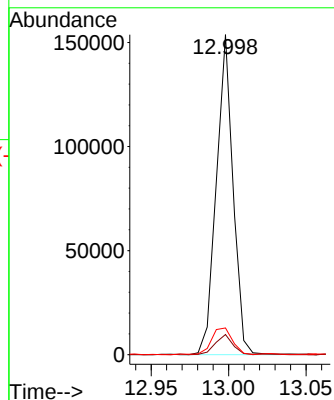
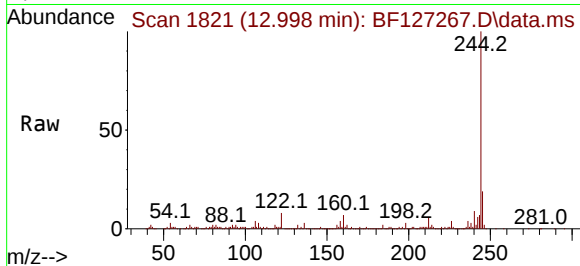




#79
 Terphenyl-d14
 Concen: 11.391 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF127267.D
 Acq: 08 Mar 2022 19:28

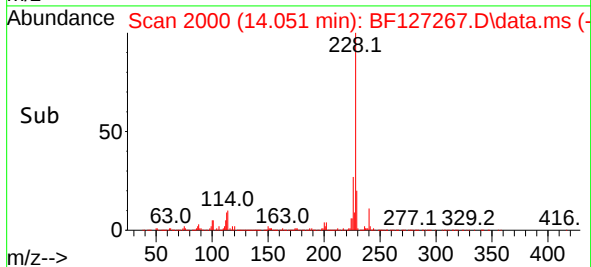
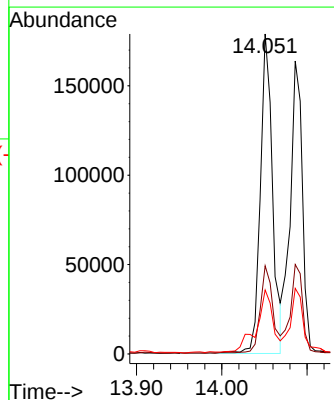
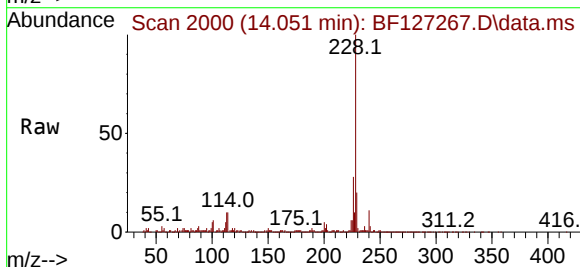
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-030722

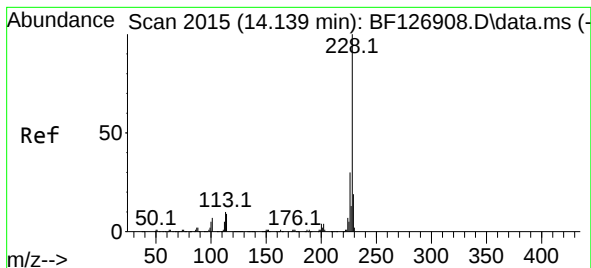
Tgt Ion:244 Resp: 115314
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 8.3 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 17.734 ng
 RT: 14.051 min Scan# 2000
 Delta R.T. -0.000 min
 Lab File: BF127267.D
 Acq: 08 Mar 2022 19:28

Tgt Ion:228 Resp: 177917
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.4 32.0
 229 20.0 15.4 23.2





#83

Chrysene

Concen: 17.325 ng

RT: 14.086 min Scan# 2015

Delta R.T. -0.000 min

Lab File: BF127267.D

Acq: 08 Mar 2022 19:28

Instrument :

BNA_F

ClientSampleId :

SU-03-030722

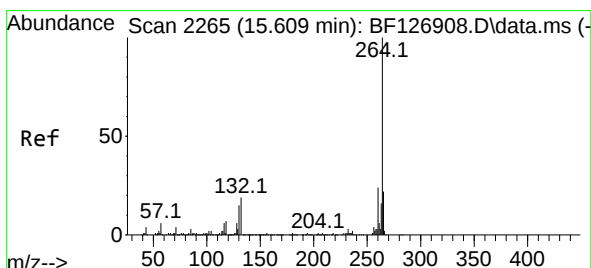
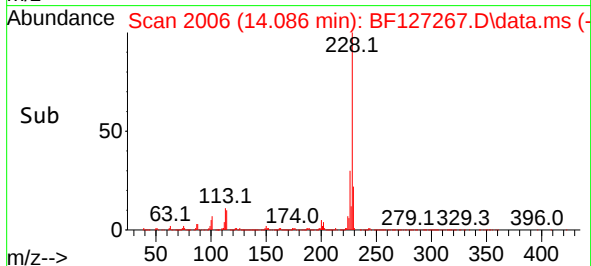
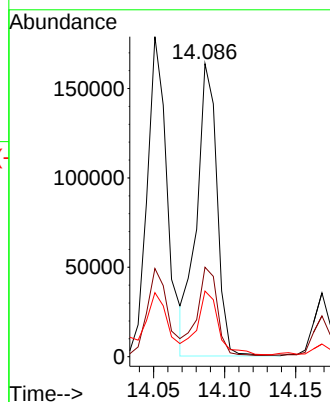
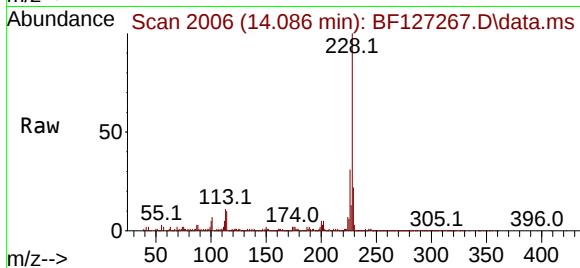
Tgt Ion:228 Resp: 163453

Ion Ratio Lower Upper

228 100

226 30.5 23.7 35.5

229 22.4 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2256

Delta R.T. 0.012 min

Lab File: BF127267.D

Acq: 08 Mar 2022 19:28

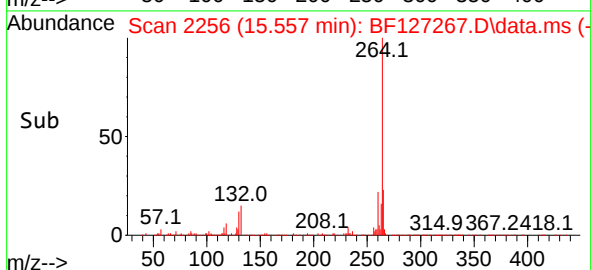
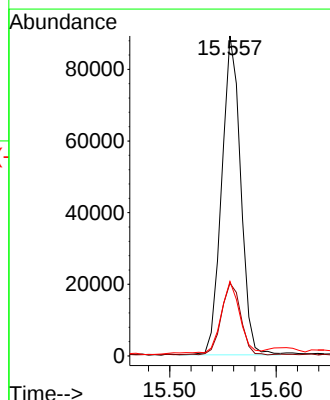
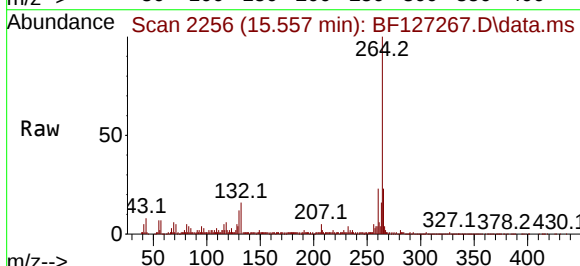
Tgt Ion:264 Resp: 109770

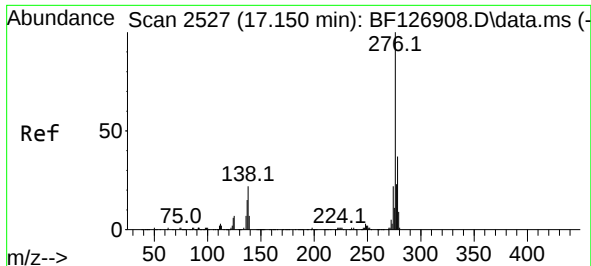
Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 23.3 17.4 26.2

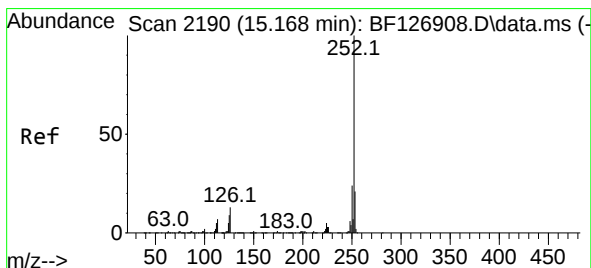
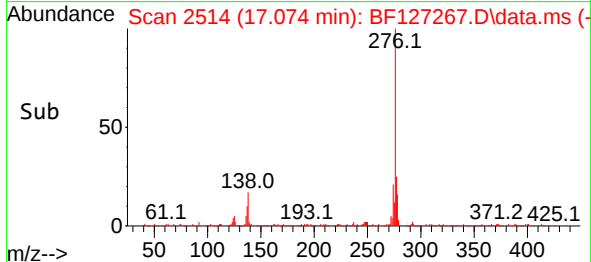
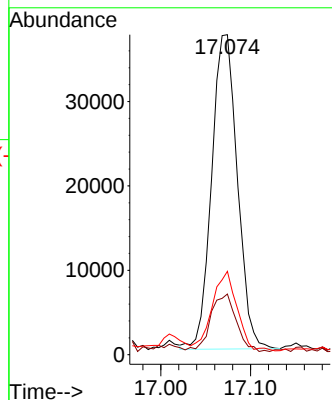
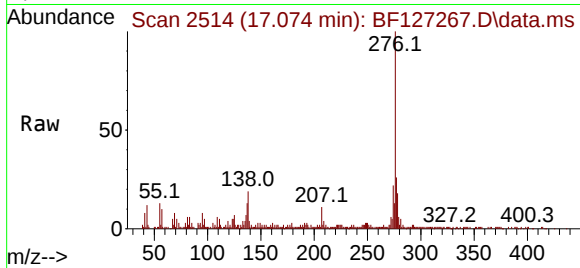




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.336 ng
RT: 17.074 min Scan# 2181
Delta R.T. 0.018 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

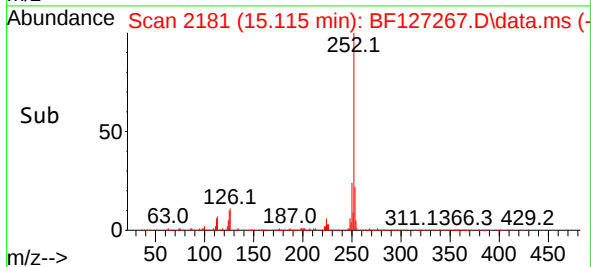
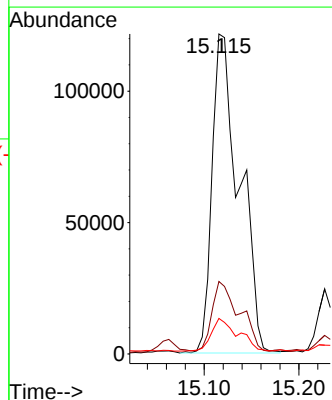
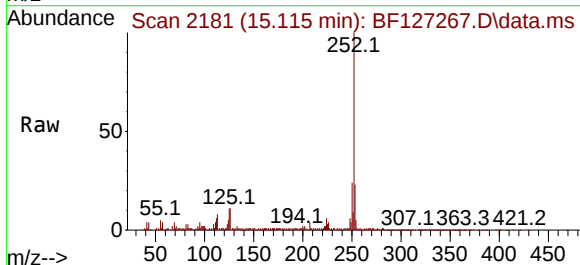
Instrument :
BNA_F
ClientSampleId :
SU-03-030722

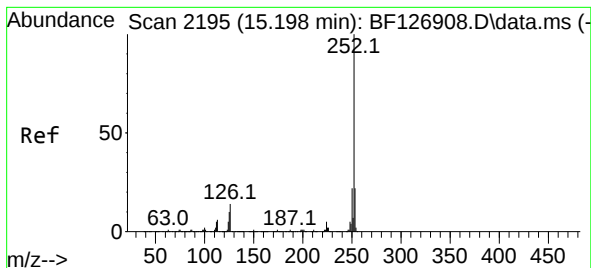
Tgt Ion:276 Resp: 74394
Ion Ratio Lower Upper
276 100
138 18.1 29.2 43.8#
277 24.6 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 33.109 ng
RT: 15.115 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Tgt Ion:252 Resp: 244095
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 11.1 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 34.326 ng

RT: 15.115 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF127267.D

Acq: 08 Mar 2022 19:28

Instrument :

BNA_F

ClientSampleId :

SU-03-030722

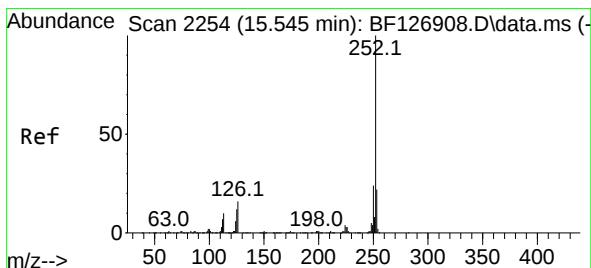
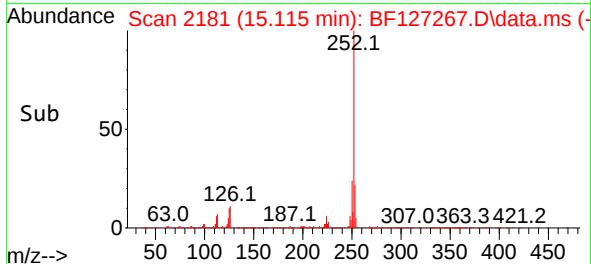
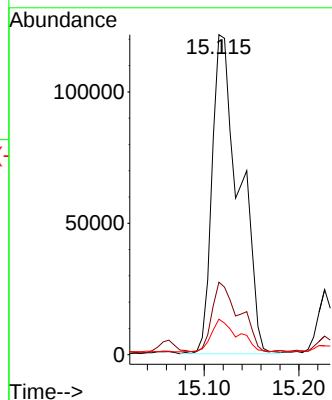
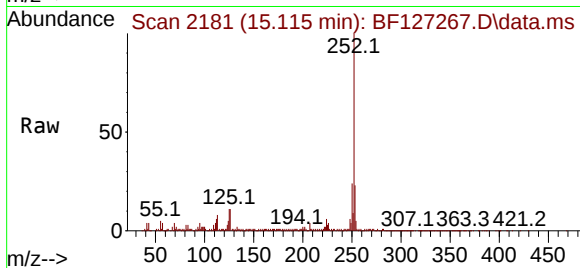
Tgt Ion:252 Resp: 244095

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 11.1 11.8 17.6#



#90

Benzo(a)pyrene

Concen: 14.865 ng

RT: 15.427 min Scan# 2234

Delta R.T. -0.059 min

Lab File: BF127267.D

Acq: 08 Mar 2022 19:28

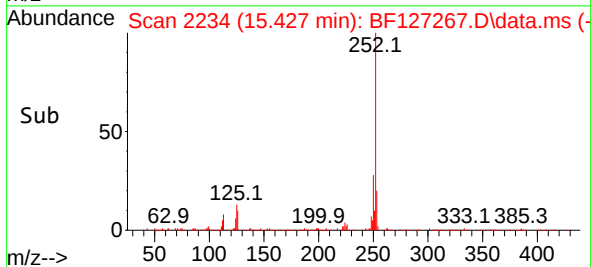
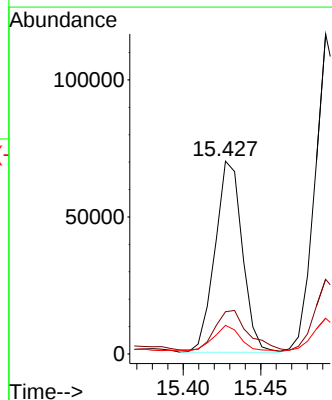
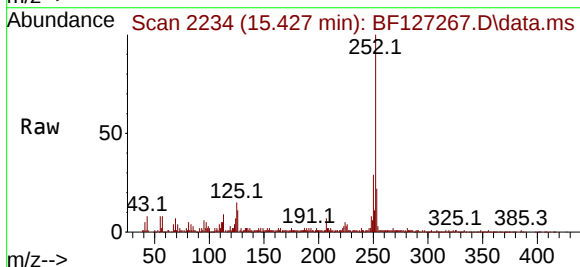
Tgt Ion:252 Resp: 85602

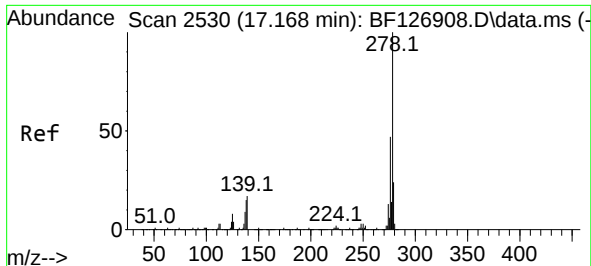
Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

125 14.8 13.0 19.6

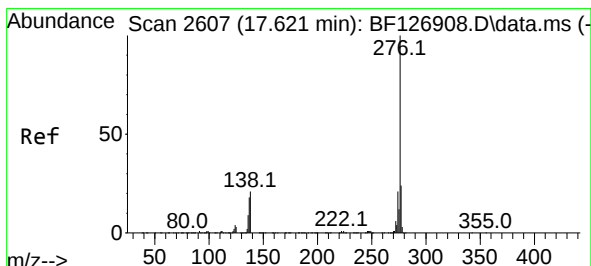
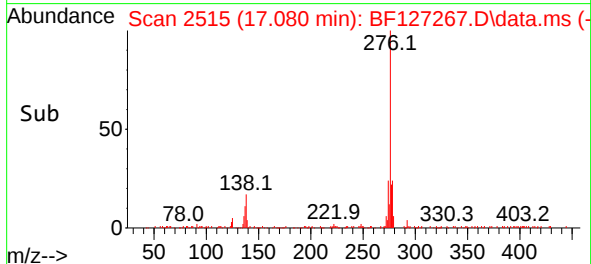
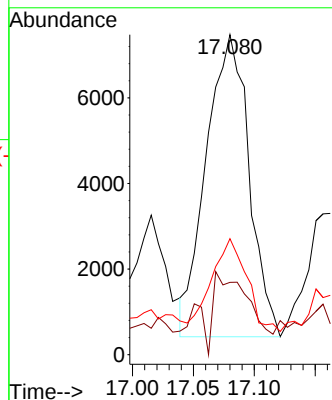
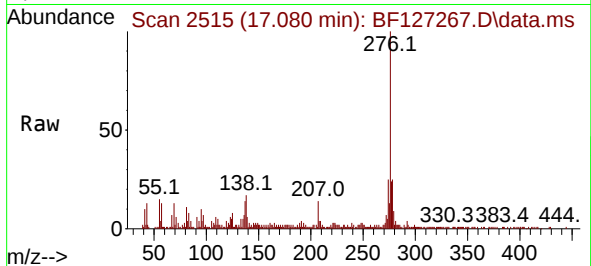




#91
Dibenzo(a,h)anthracene
Concen: 2.893 ng
RT: 17.080 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Instrument :
BNA_F
ClientSampleId :
SU-03-030722

Tgt Ion:278 Resp: 17221
Ion Ratio Lower Upper
278 100
139 22.6 18.0 27.0
279 36.2 18.6 27.8#



#92
Benzo(g,h,i)perylene
Concen: 12.681 ng
RT: 17.533 min Scan# 2592
Delta R.T. 0.012 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Tgt Ion:276 Resp: 74423
Ion Ratio Lower Upper
276 100
277 27.0 18.5 27.7
138 20.0 25.9 38.9#

