

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
 Data File : BF126111.D
 Acq On : 10 Nov 2021 17:09
 Operator : JU/CG
 Sample : M4595-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-ICS-003-004

Quant Time: Nov 11 09:30:21 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

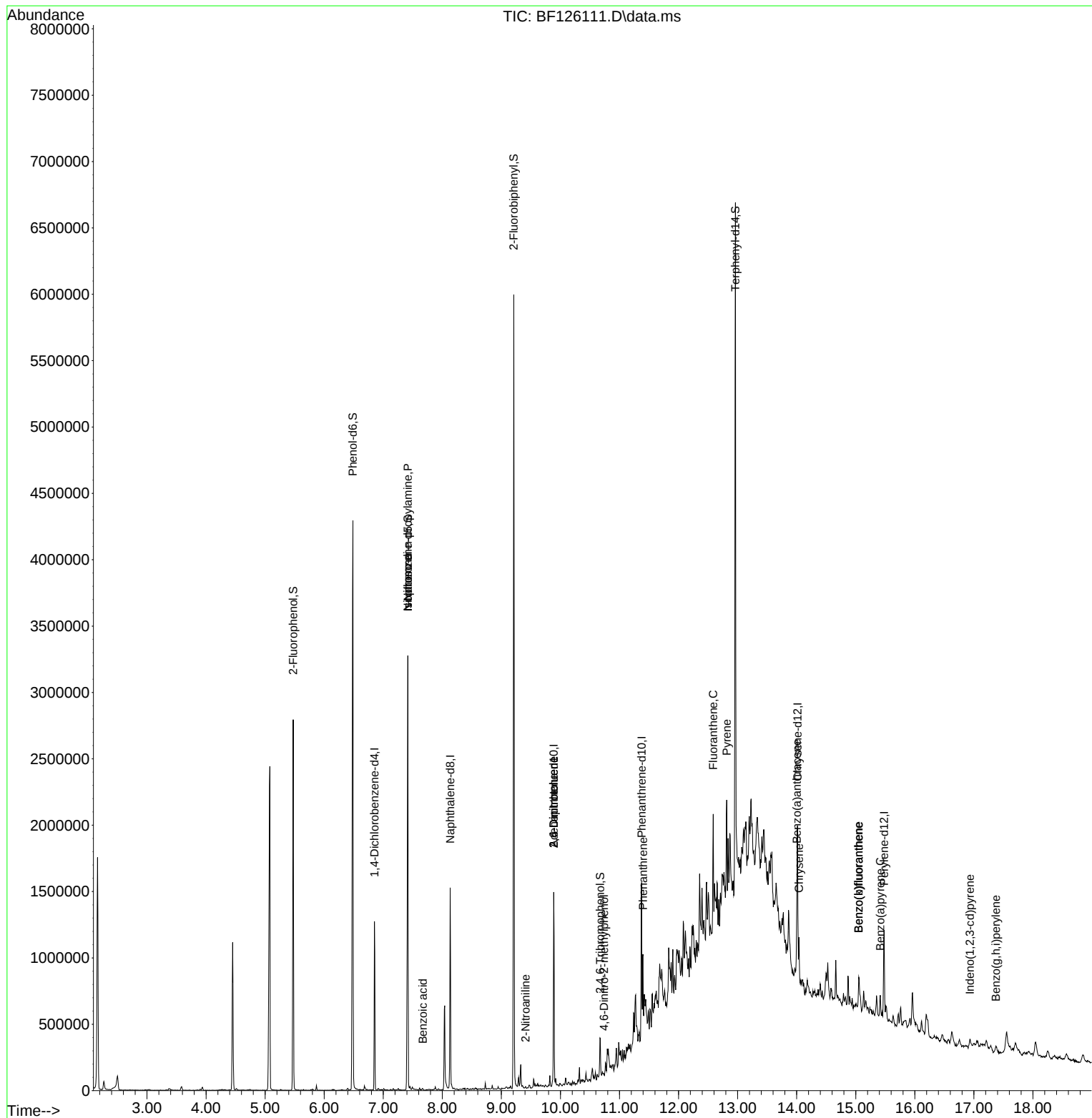
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	167610	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	566354	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	287021	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	436180	20.000	ng	# 0.00
76) Chrysene-d12	14.015	240	378099	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	309611	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	576610	59.078	ng	0.01
7) Phenol-d6	6.487	99	1297747	94.322	ng	0.00
23) Nitrobenzene-d5	7.416	82	977182	81.370	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	33576	10.208	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1727816	81.350	ng	0.00
79) Terphenyl-d14	12.963	244	1507288	64.284	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	2059	Below Cal	#	79
19) n-Nitroso-di-n-propyla...	7.416	70	136224	15.019	ng	# 61
25) Isophorone	7.416	82	972127	44.961	ng	# 59
32) Benzoic acid	7.669	122	122	9.162	ng	# 11
48) 2-Nitroaniline	9.410	65	125	2.870	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	37736	10.536	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	37736	9.996	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.739	198	112	8.361	ng	# 1
71) Phenanthrene	11.398	178	216952	9.172	ng	97
75) Fluoranthene	12.586	202	287998	10.934	ng	95
78) Pyrene	12.816	202	272294	8.980	ng	99
81) Benzo(a)anthracene	14.004	228	135896	5.232	ng	96
83) Chrysene	14.039	228	133278	5.514	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	41975	2.290	ng	# 83
88) Benzo(b)fluoranthene	15.051	252	158910	7.891	ng	95
89) Benzo(k)fluoranthene	15.051	252	158910	8.134	ng	# 94
90) Benzo(a)pyrene	15.415	252	76925	4.848	ng	98
92) Benzo(g,h,i)perylene	17.374	276	42247	2.927	ng	# 84

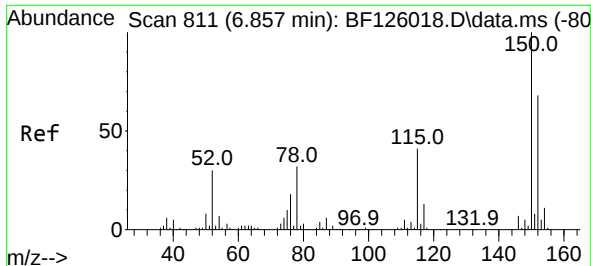
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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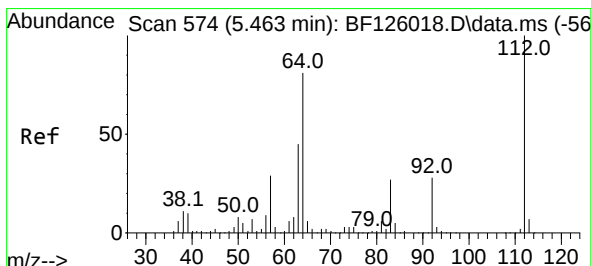
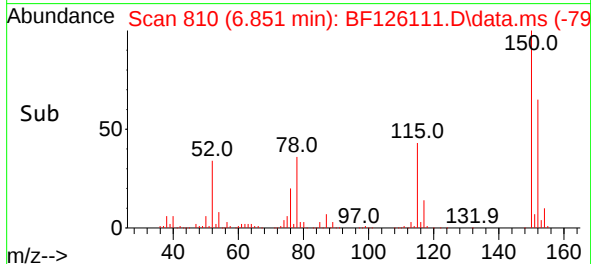
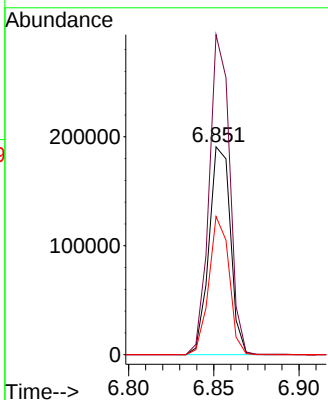
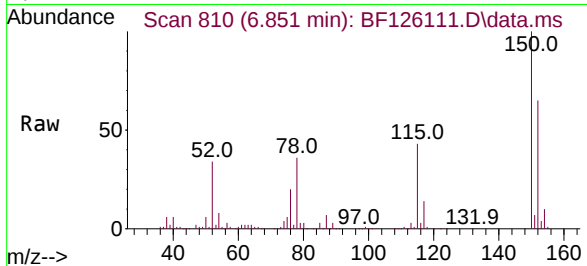




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

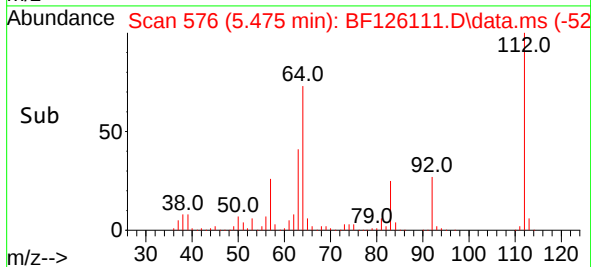
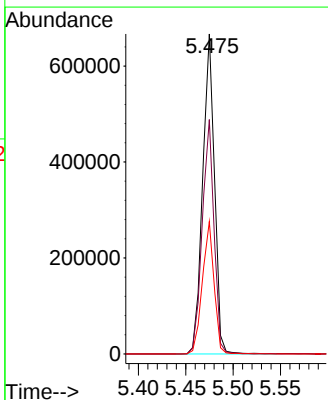
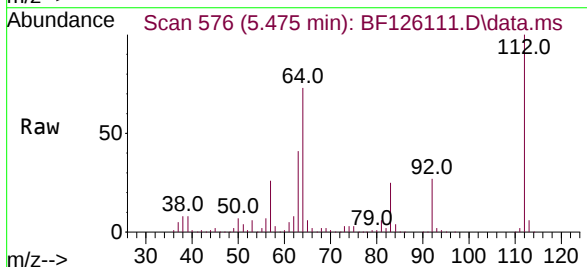
Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004

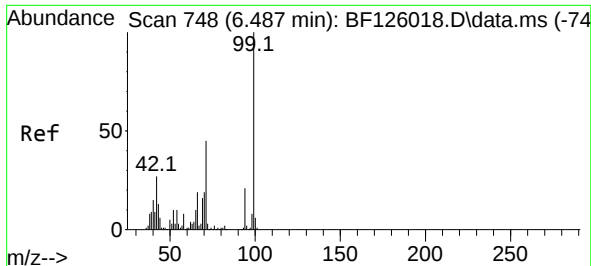
Tgt Ion:152 Resp: 167610
Ion Ratio Lower Upper
152 100
150 154.0 117.6 176.4
115 66.5 47.1 70.7



#5
2-Fluorophenol
Concen: 59.078 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

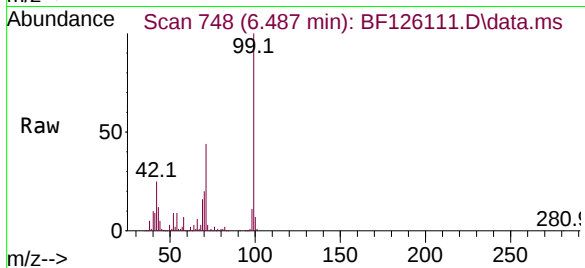
Tgt Ion:112 Resp: 576610
Ion Ratio Lower Upper
112 100
64 73.2 44.2 66.2#
63 41.3 26.2 39.2#





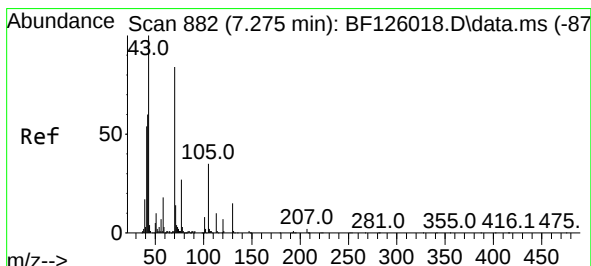
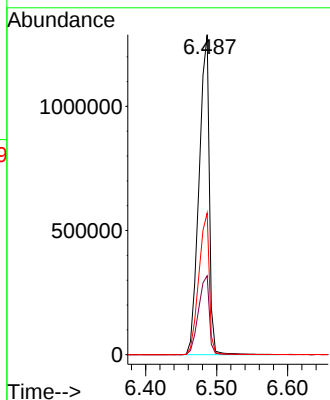
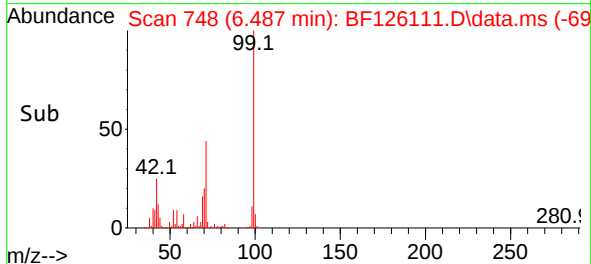
#7
Phenol-d6
Concen: 94.322 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004

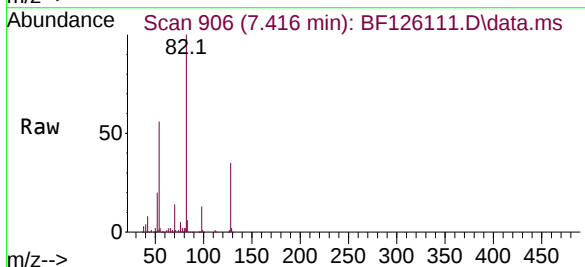


Tgt Ion: 99 Resp: 1297747

Ion	Ratio	Lower	Upper
99	100		
42	24.6	23.5	35.3
71	44.3	25.6	38.4

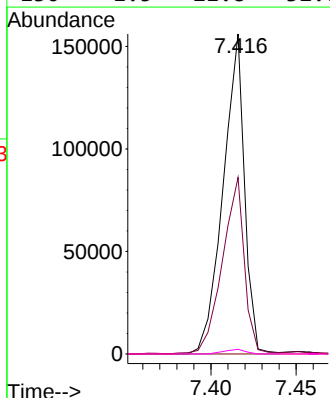
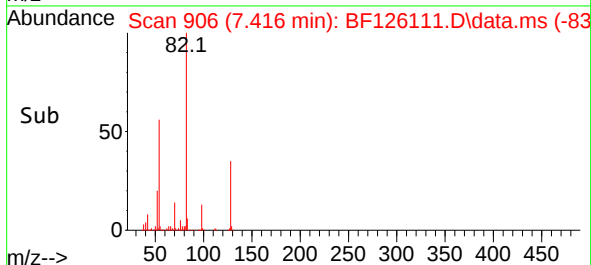


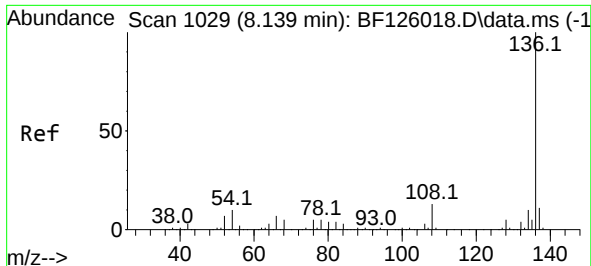
#19
n-Nitroso-di-n-propylamine
Concen: 15.019 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09



Tgt Ion: 70 Resp: 136224

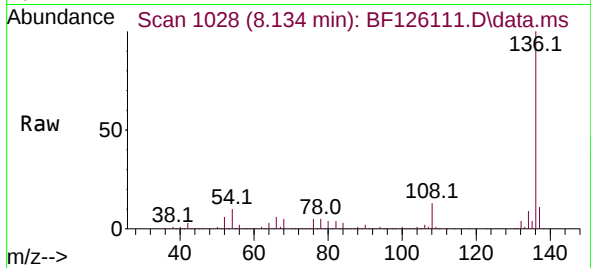
Ion	Ratio	Lower	Upper
70	100		
42	55.2	72.2	108.2
101	0.0	7.8	11.8
130	1.5	21.8	32.6



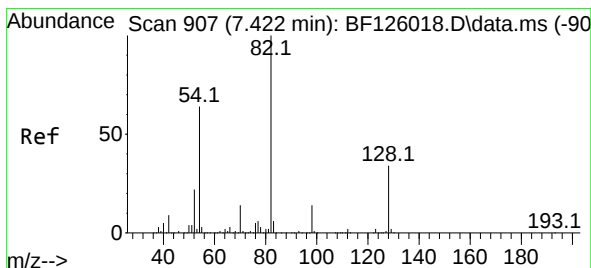
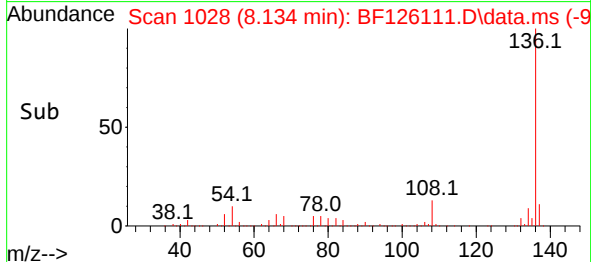
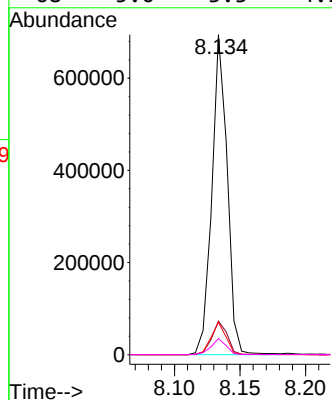


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004

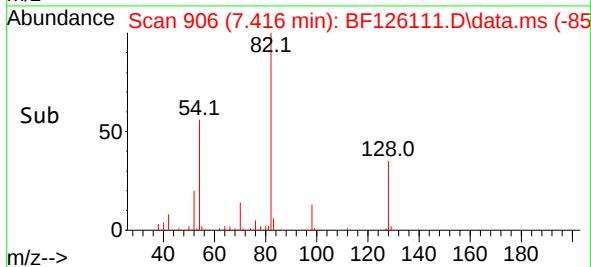
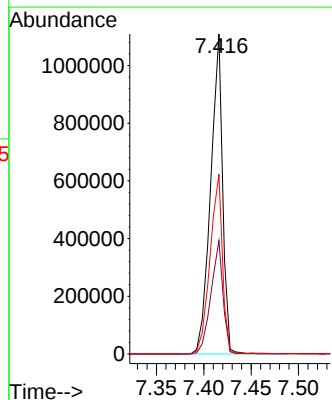
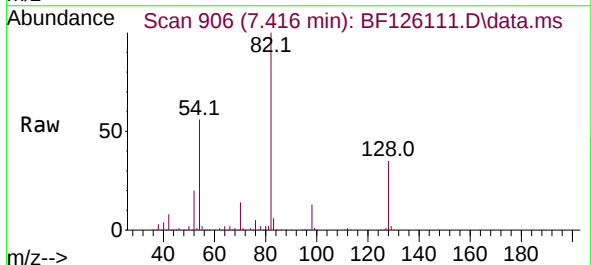


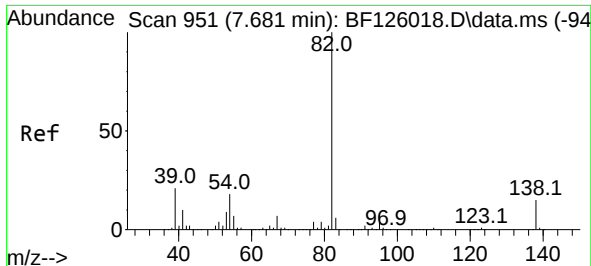
Tgt Ion:	136	Resp:	566354
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.8	14.6
54	10.2	6.4	9.6#
68	5.0	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 81.370 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Tgt Ion:	82	Resp:	977182
Ion Ratio	Lower	Upper	
82	100		
128	35.4	40.6	60.8#
54	56.1	49.6	74.4

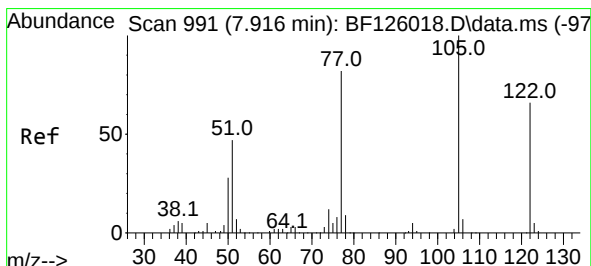
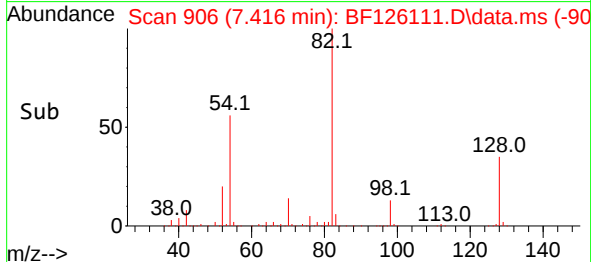
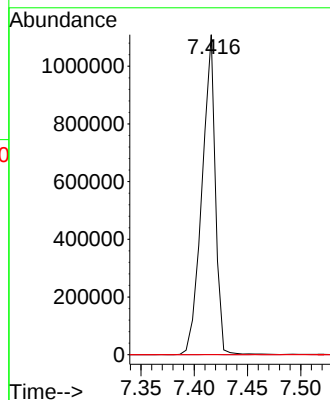
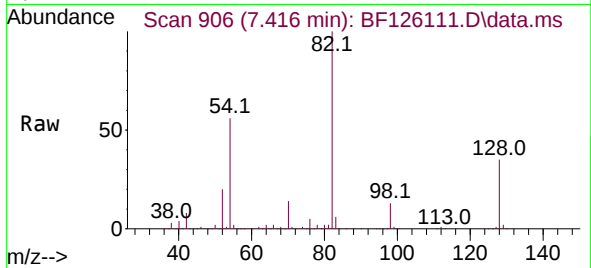




#25
Isophorone
Concen: 44.961 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

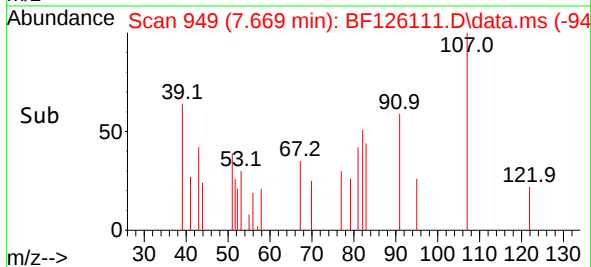
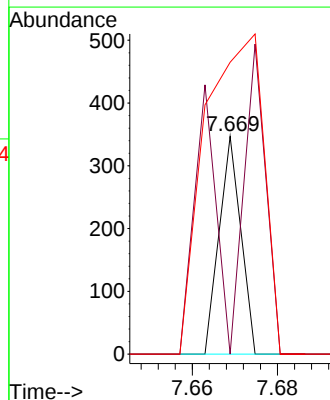
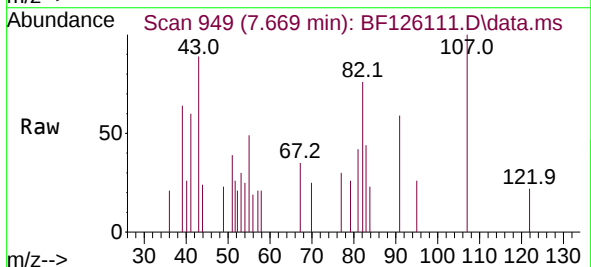
Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004

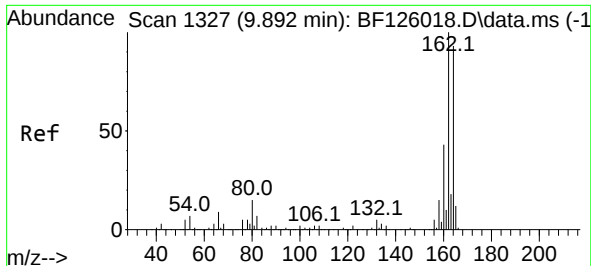
Tgt Ion: 82 Resp: 972127
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 9.162 ng
RT: 7.669 min Scan# 949
Delta R.T. -0.247 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Tgt Ion: 122 Resp: 122
Ion Ratio Lower Upper
122 100
105 0.0 97.6 137.6#
77 134.0 59.6 99.6#

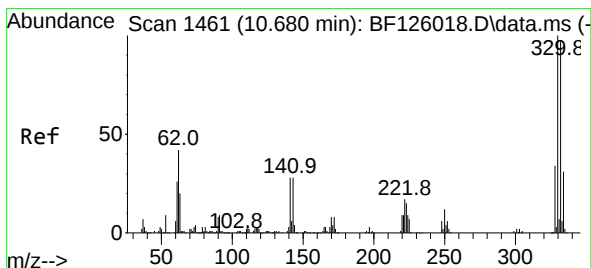
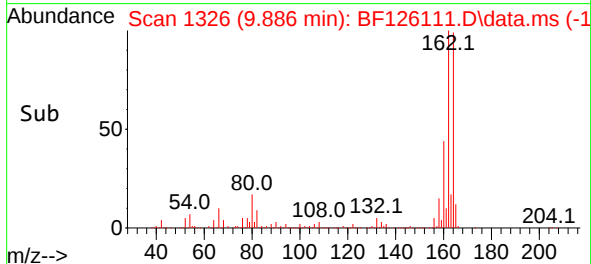
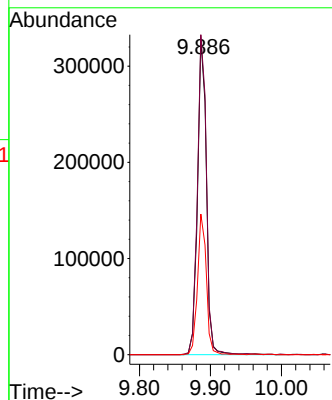
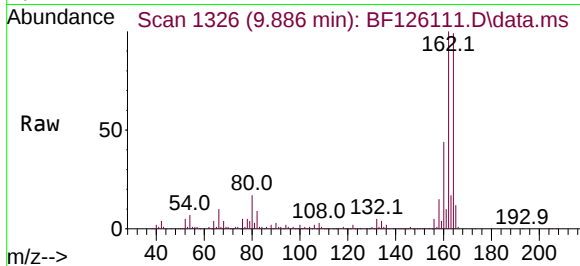




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

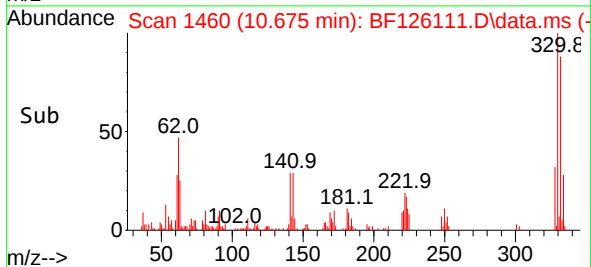
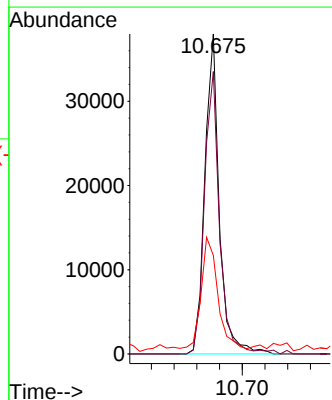
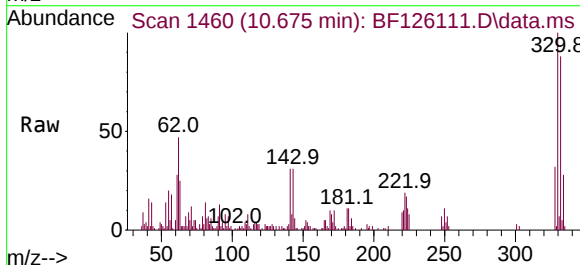
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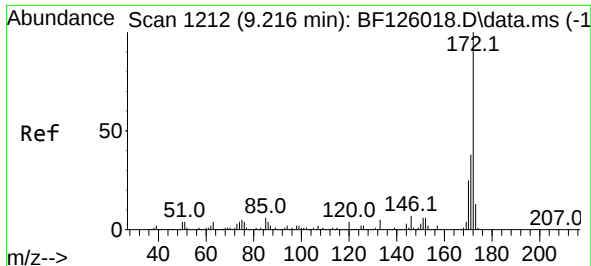
Tgt Ion:164 Resp: 287021
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 44.5 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 10.208 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Tgt Ion:330 Resp: 33576
Ion Ratio Lower Upper
330 100
332 92.4 76.2 114.4
141 40.6 44.6 66.8#

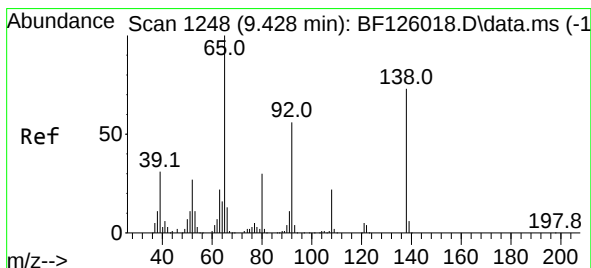
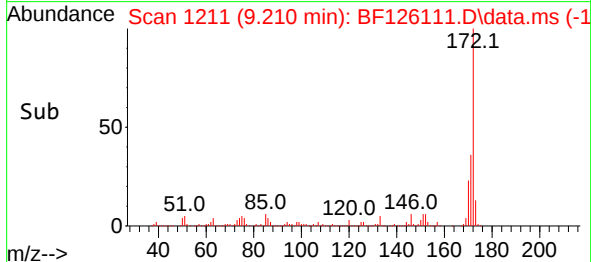
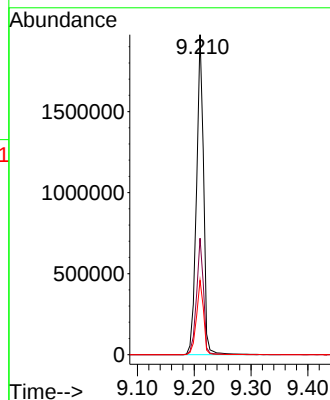
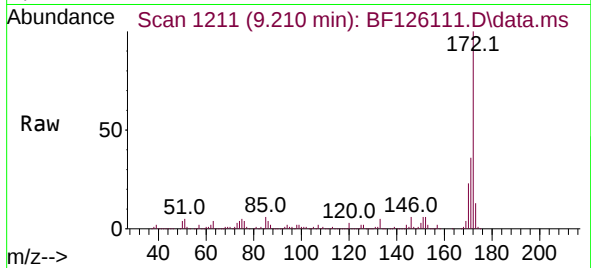




#45
2-Fluorobiphenyl
Concen: 81.350 ng
RT: 9.210 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

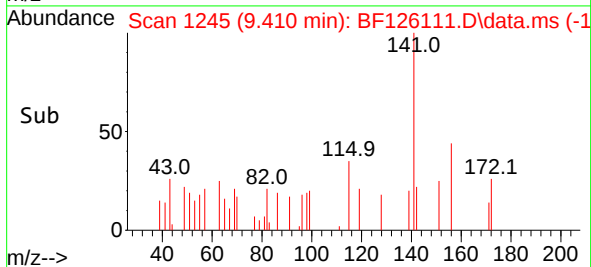
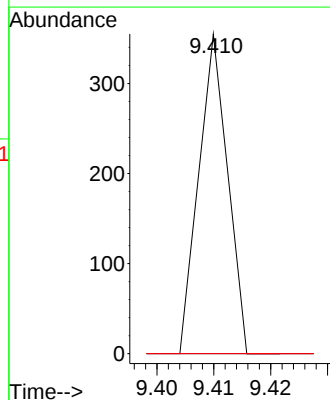
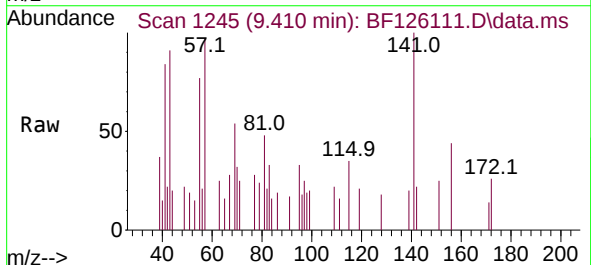
Instrument :
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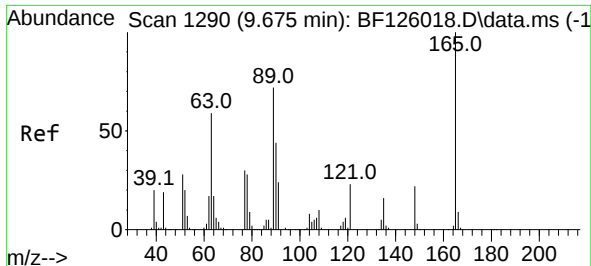
Tgt Ion:172 Resp: 1727816
Ion Ratio Lower Upper
172 100
171 36.4 26.5 39.7
170 23.2 18.8 28.2



#48
2-Nitroaniline
Concen: 2.870 ng
RT: 9.410 min Scan# 1245
Delta R.T. -0.018 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Tgt Ion: 65 Resp: 125
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#

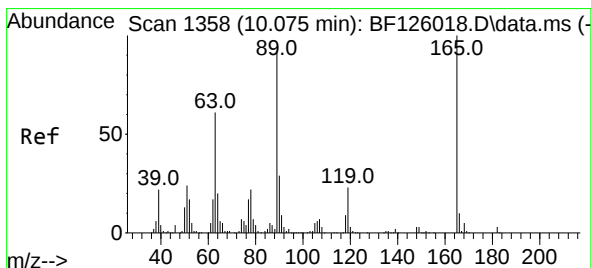
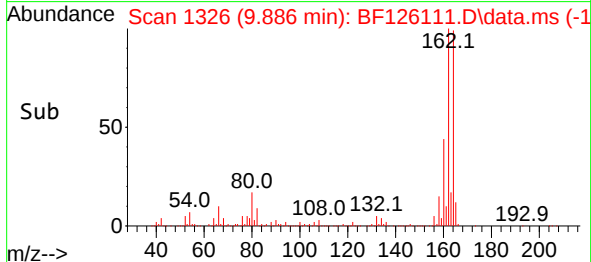
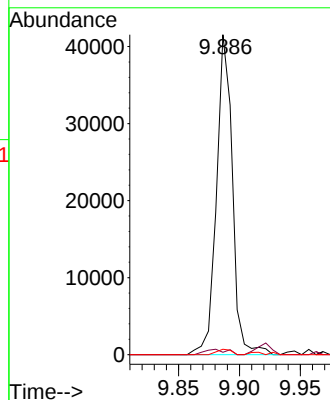
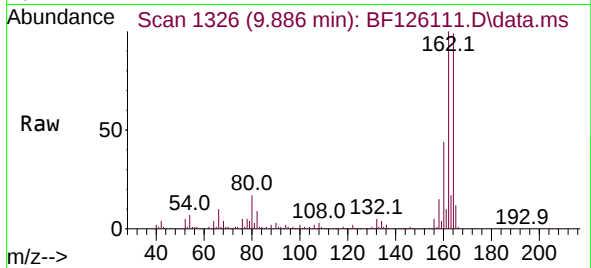




#51
2,6-Dinitrotoluene
Concen: 10.536 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.211 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

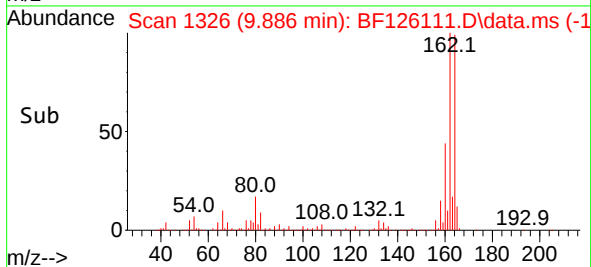
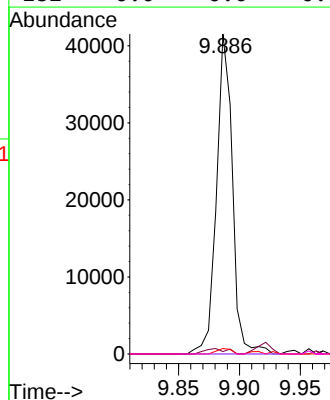
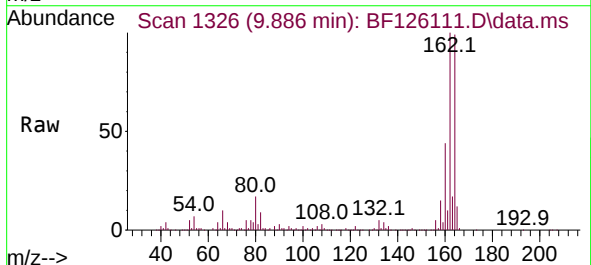
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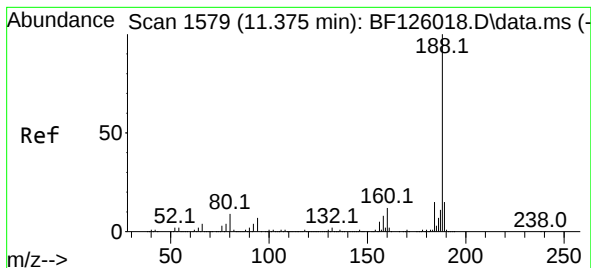
Tgt Ion:165 Resp: 37736
Ion Ratio Lower Upper
165 100
63 0.8 42.6 63.8#
89 1.7 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 9.996 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.189 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Tgt Ion:165 Resp: 37736
Ion Ratio Lower Upper
165 100
63 0.8 40.9 61.3#
89 1.7 59.7 89.5#
182 0.0 0.0 0.0

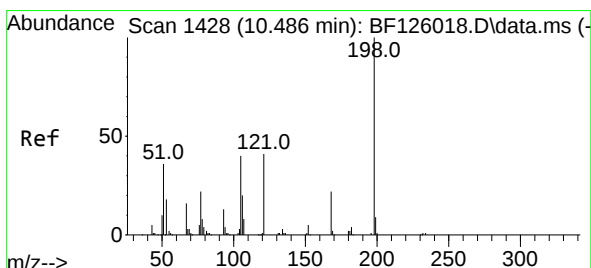
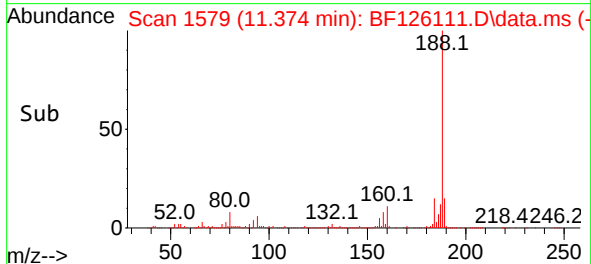
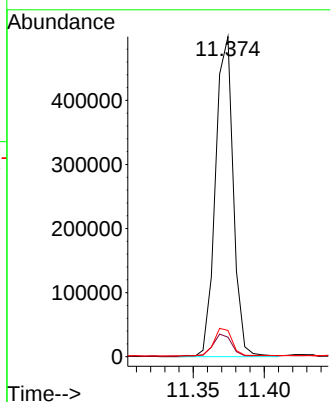
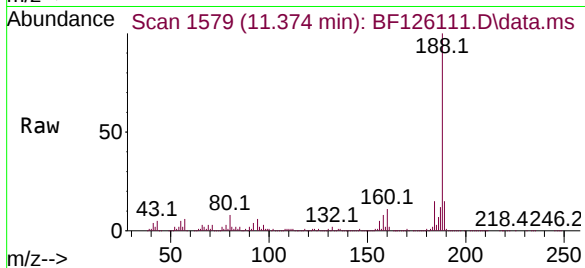




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

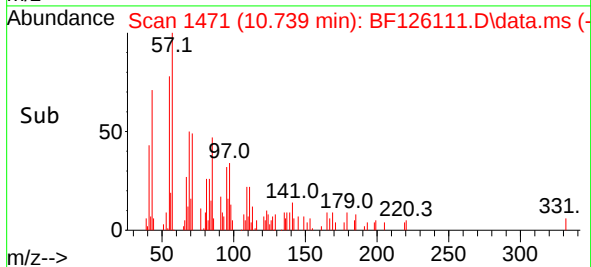
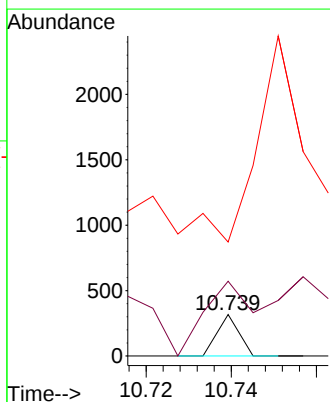
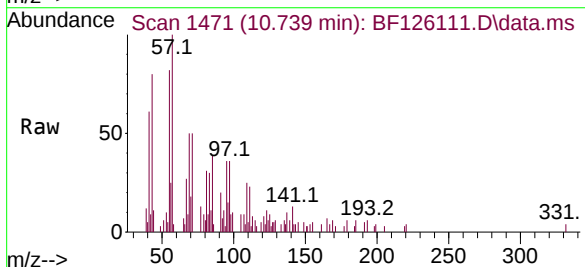
Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004

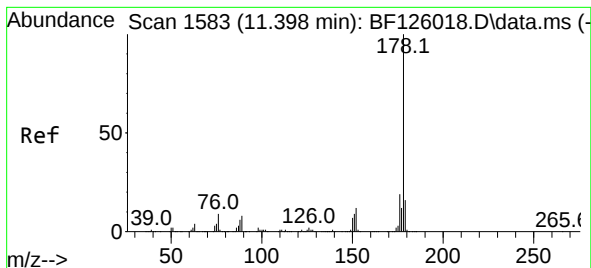
Tgt Ion:188 Resp: 436180
Ion Ratio Lower Upper
188 100
94 6.1 6.7 10.1#
80 8.2 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 8.361 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.253 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Tgt Ion:198 Resp: 112
Ion Ratio Lower Upper
198 100
51 180.4 45.3 85.3#
105 274.8 30.6 70.6#





#71

Phenanthrene

Concen: 9.172 ng

RT: 11.398 min Scan# 1583

Delta R.T. 0.000 min

Lab File: BF126111.D

Acq: 10 Nov 2021 17:09

Instrument :

BNA_F

ClientSampleId :

CMC-ICS-003-004

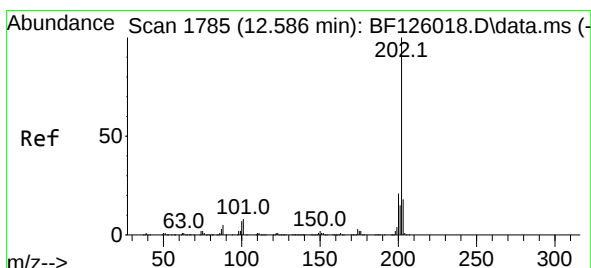
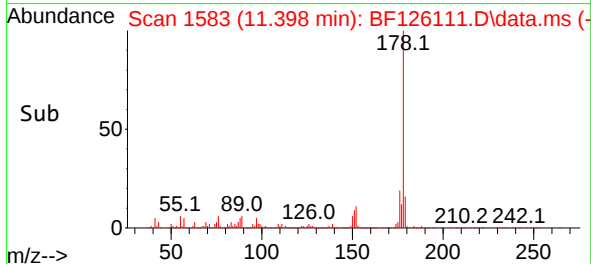
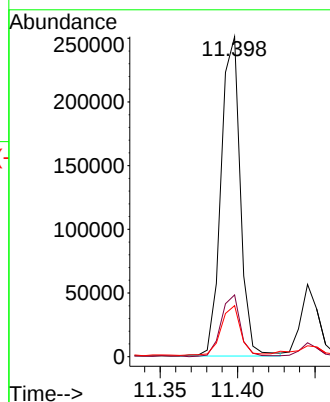
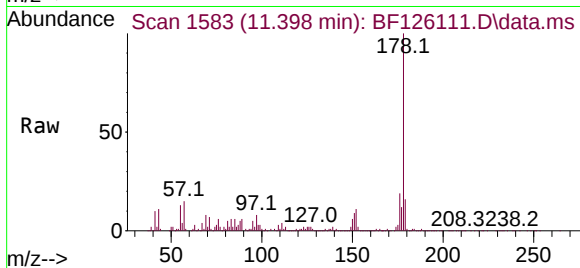
Tgt Ion:178 Resp: 216952

Ion Ratio Lower Upper

178 100

176 19.3 14.7 22.1

179 16.0 11.5 17.3



#75

Fluoranthene

Concen: 10.934 ng

RT: 12.586 min Scan# 1785

Delta R.T. 0.000 min

Lab File: BF126111.D

Acq: 10 Nov 2021 17:09

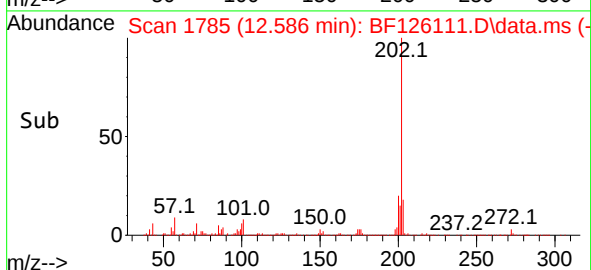
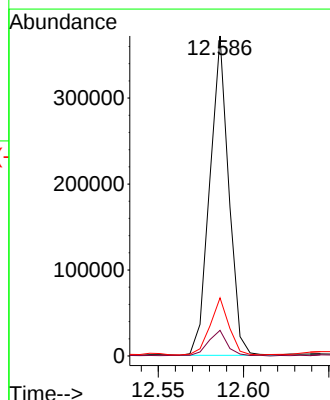
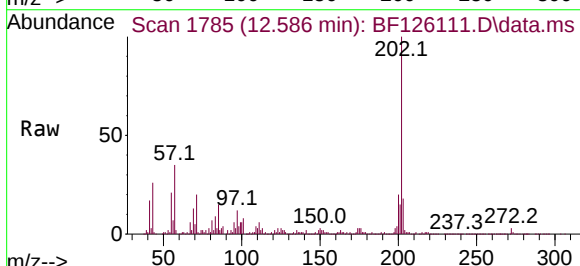
Tgt Ion:202 Resp: 287998

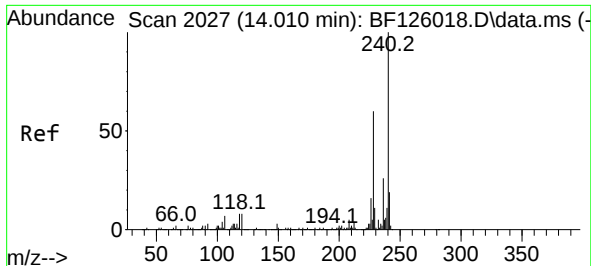
Ion Ratio Lower Upper

202 100

101 8.0 0.0 30.7

203 18.2 0.0 36.3

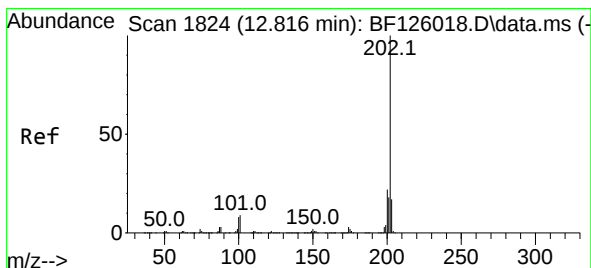
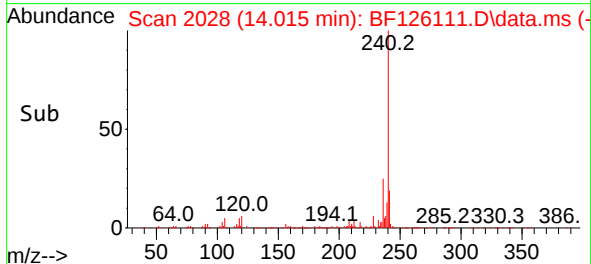
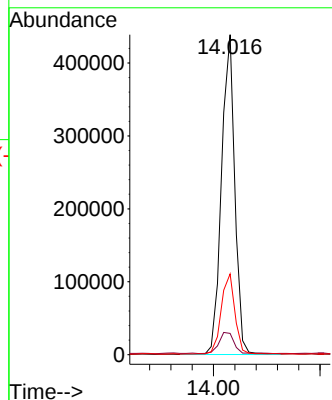
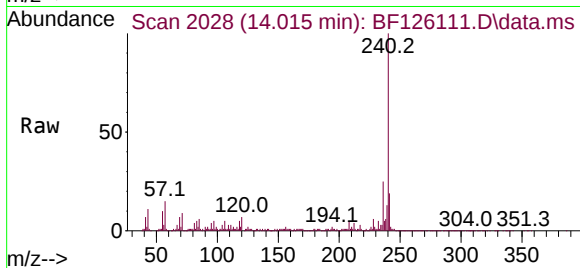




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2027
Delta R.T. 0.005 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

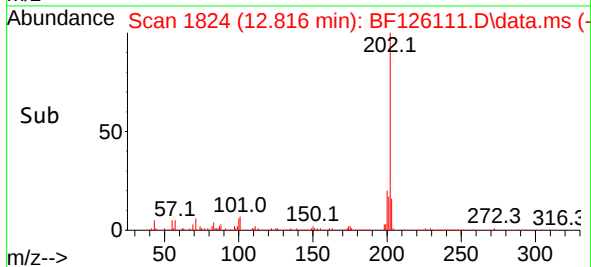
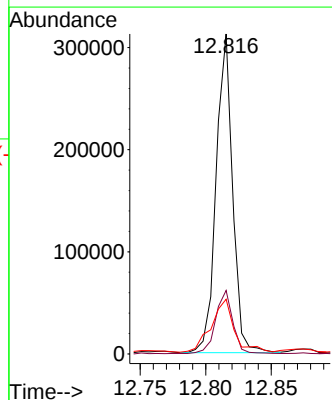
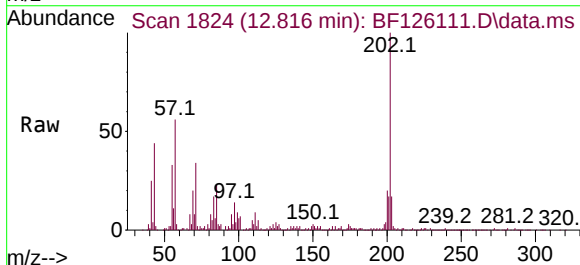
Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004

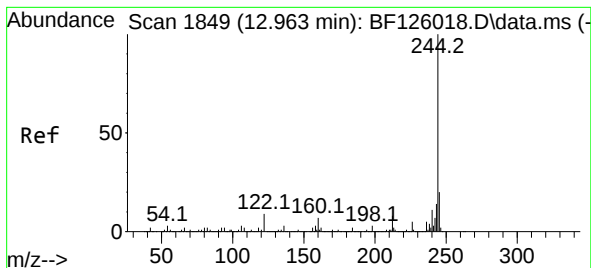
Tgt Ion:240 Resp: 378099
Ion Ratio Lower Upper
240 100
120 6.7 10.8 16.2#
236 25.3 21.6 32.4



#78
Pyrene
Concen: 8.980 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Tgt Ion:202 Resp: 272294
Ion Ratio Lower Upper
202 100
200 19.8 15.3 22.9
203 17.1 13.4 20.0





#79

Terphenyl-d14

Concen: 64.284 ng

RT: 12.963 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF126111.D

Acq: 10 Nov 2021 17:09

Instrument :

BNA_F

ClientSampleId :

CMC-ICS-003-004

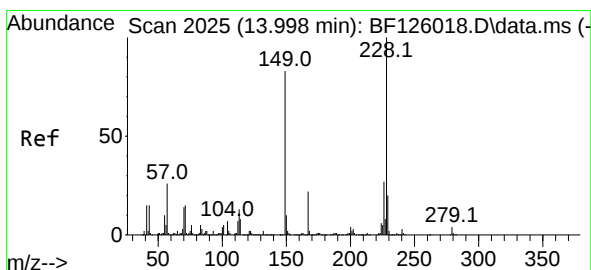
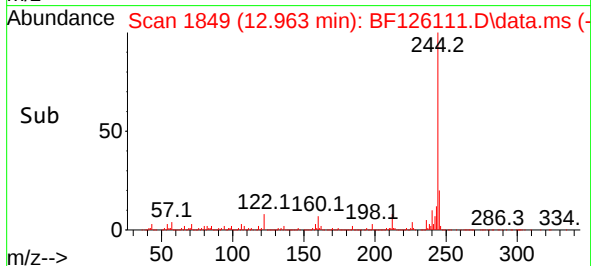
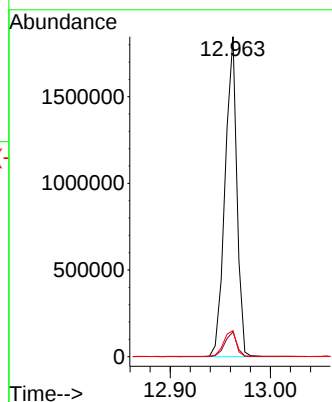
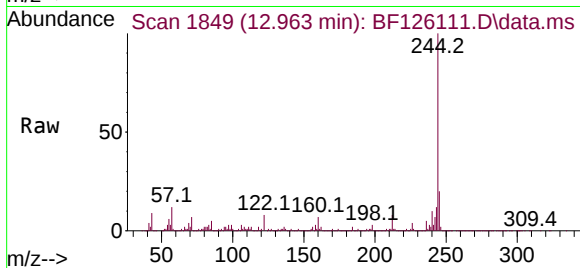
Tgt Ion:244 Resp: 1507288

Ion Ratio Lower Upper

244 100

212 7.8 5.9 8.9

122 8.1 9.0 13.4#



#81

Benzo(a)anthracene

Concen: 5.232 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF126111.D

Acq: 10 Nov 2021 17:09

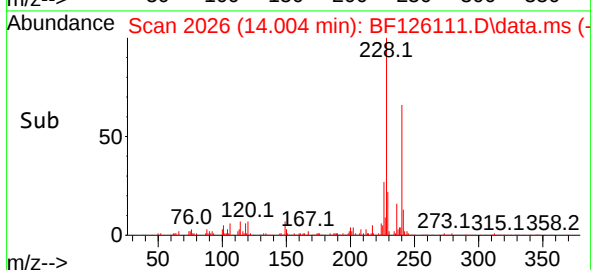
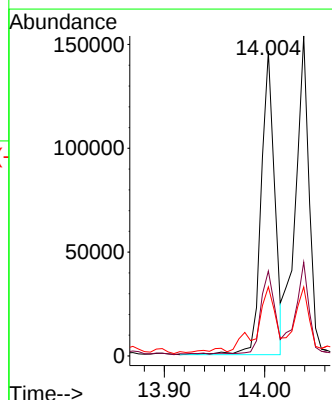
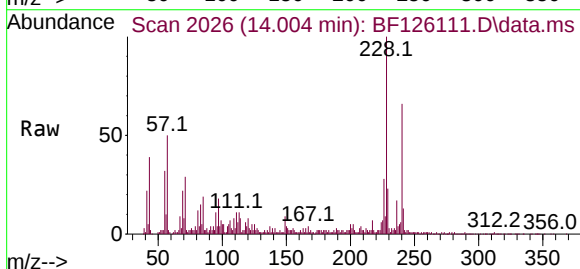
Tgt Ion:228 Resp: 135896

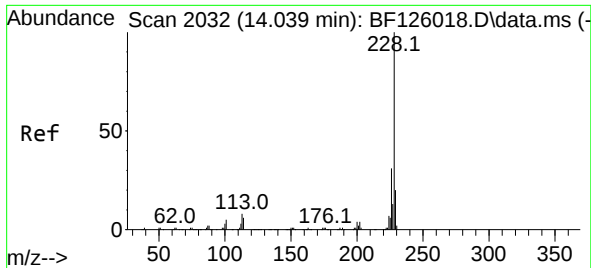
Ion Ratio Lower Upper

228 100

226 27.9 21.6 32.4

229 22.7 15.6 23.4

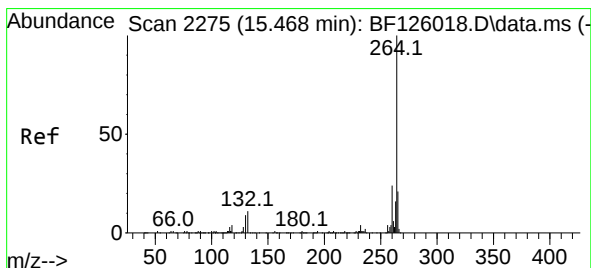
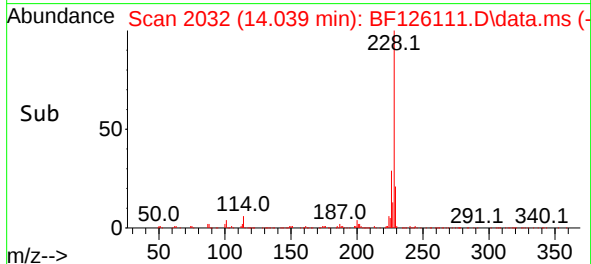
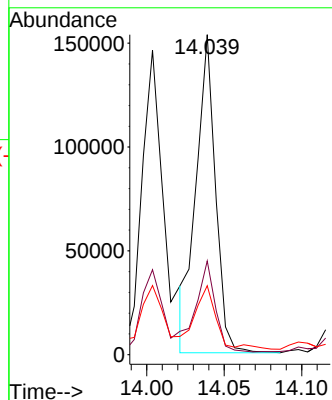
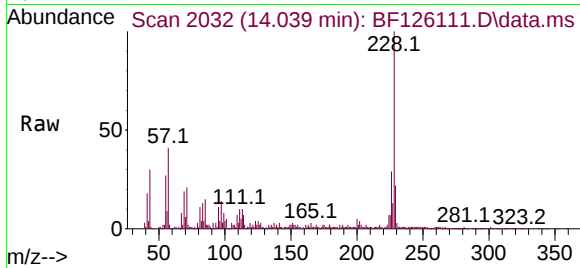




#83
Chrysene
Concen: 5.514 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

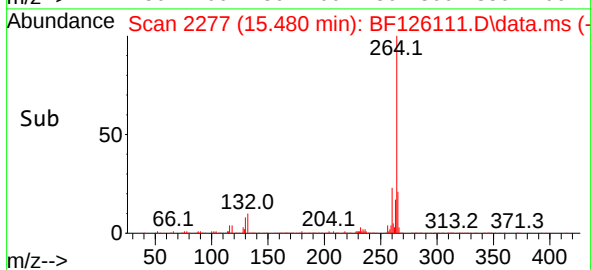
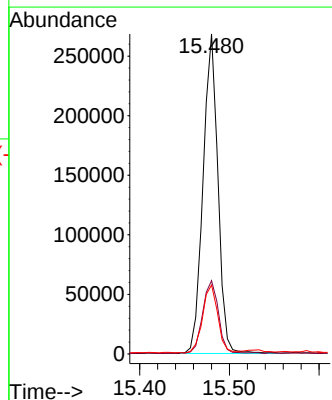
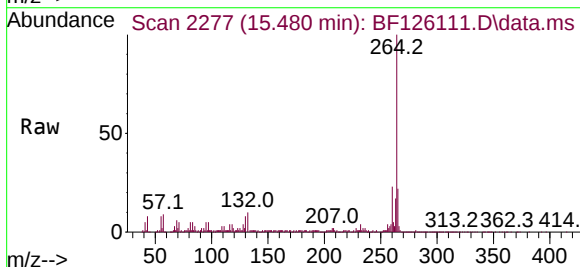
Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004

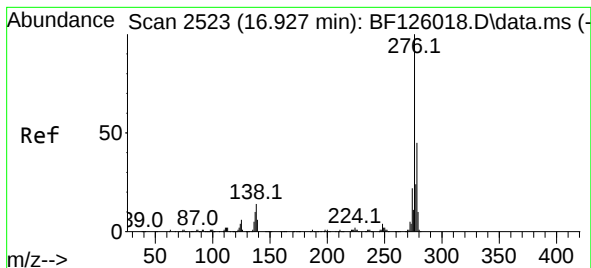
Tgt Ion:228 Resp: 133278
Ion Ratio Lower Upper
228 100
226 29.3 22.6 34.0
229 21.5 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.012 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Tgt Ion:264 Resp: 309611
Ion Ratio Lower Upper
264 100
260 22.9 19.6 29.4
265 21.6 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.290 ng

RT: 16.933 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF126111.D

Acq: 10 Nov 2021 17:09

Instrument :

BNA_F

ClientSampleId :

CMC-ICS-003-004

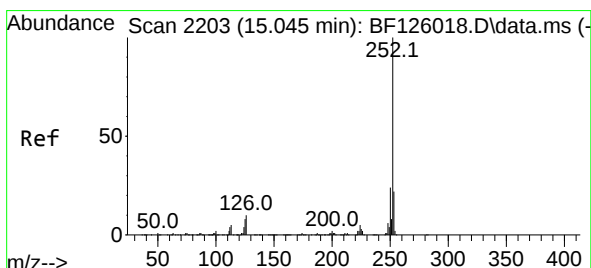
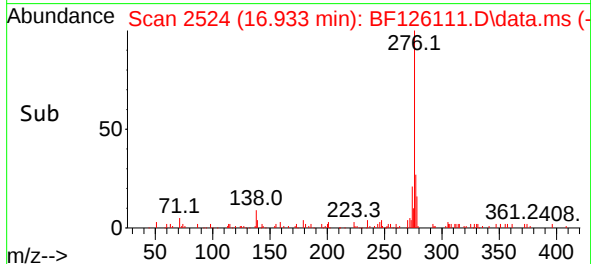
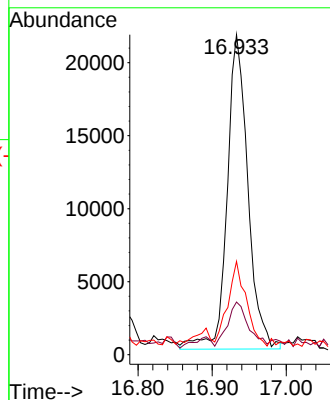
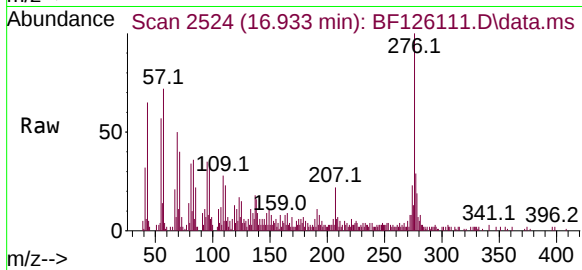
Tgt Ion:276 Resp: 41975

Ion Ratio Lower Upper

276 100

138 13.6 24.1 36.1#

277 23.6 18.8 28.2



#88

Benzo(b)fluoranthene

Concen: 7.891 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.006 min

Lab File: BF126111.D

Acq: 10 Nov 2021 17:09

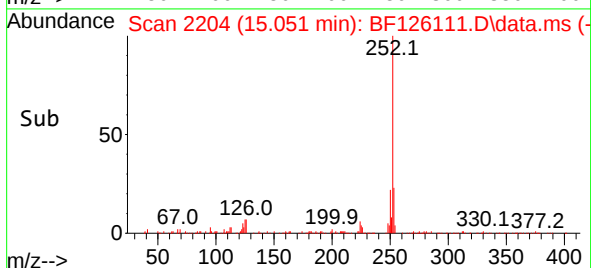
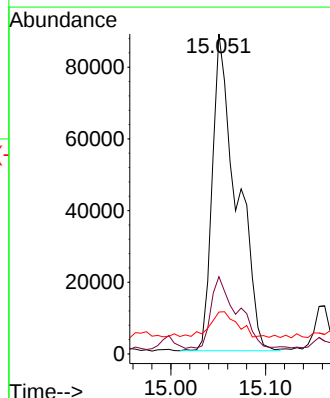
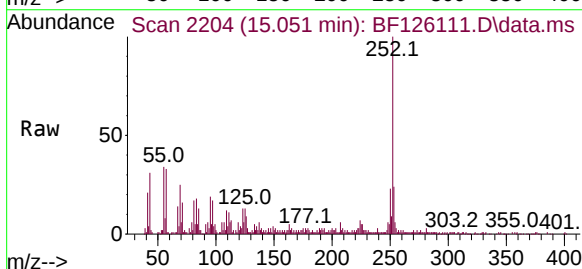
Tgt Ion:252 Resp: 158910

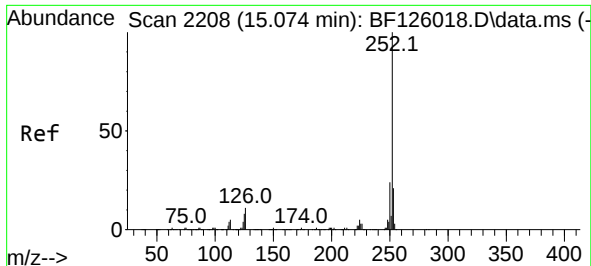
Ion Ratio Lower Upper

252 100

253 24.2 16.8 25.2

125 13.1 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 8.134 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.024 min

Lab File: BF126111.D

Acq: 10 Nov 2021 17:09

Instrument :

BNA_F

ClientSampleId :

CMC-ICS-003-004

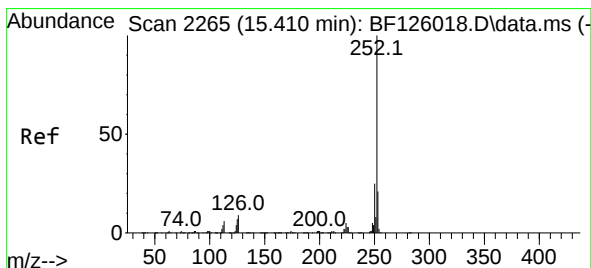
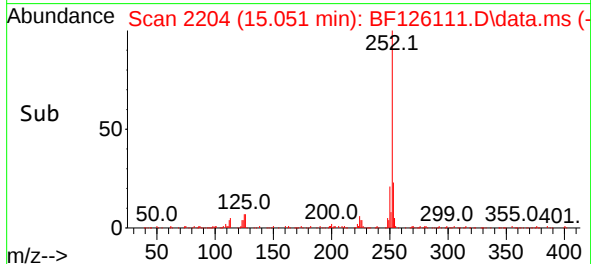
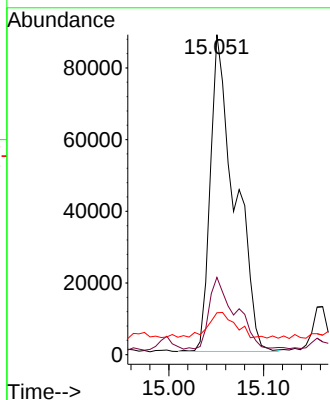
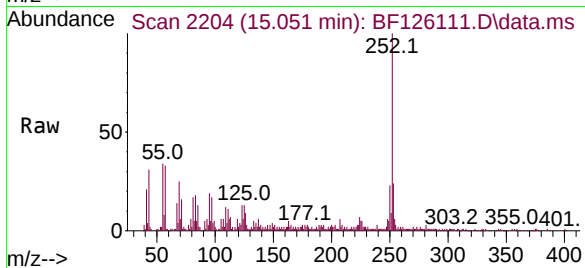
Tgt Ion:252 Resp: 158910

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.8

125 13.1 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 4.848 ng

RT: 15.415 min Scan# 2266

Delta R.T. 0.005 min

Lab File: BF126111.D

Acq: 10 Nov 2021 17:09

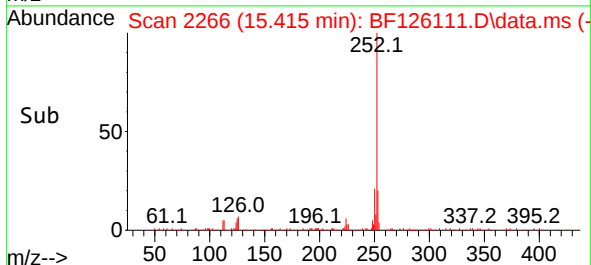
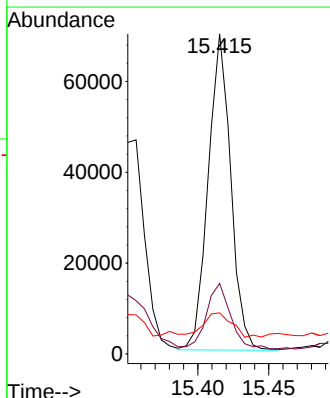
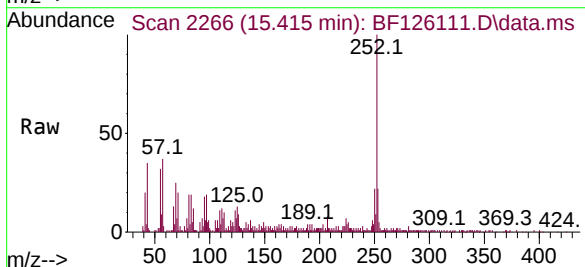
Tgt Ion:252 Resp: 76925

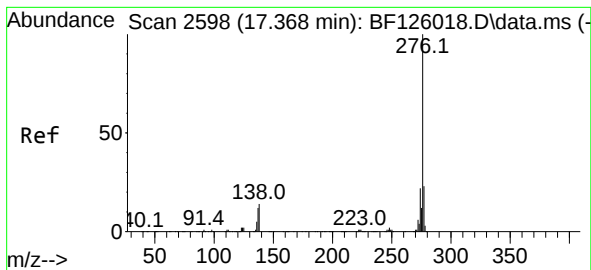
Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

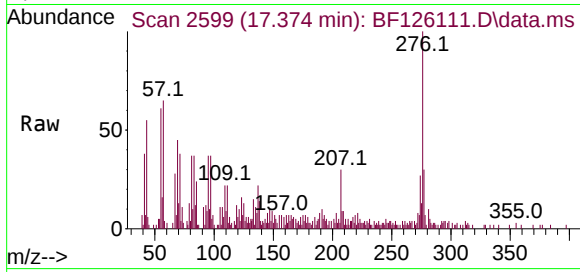
125 12.8 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 2.927 ng
 RT: 17.374 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF126111.D
 Acq: 10 Nov 2021 17:09

Instrument :
 BNA_F
 ClientSampleId :
 CMC-ICS-003-004



Tgt Ion:276 Resp: 42247
 Ion Ratio Lower Upper
 276 100
 277 30.0 22.0 33.0
 138 14.1 22.2 33.4#

