

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133869.D
 Acq On : 21 Jun 2023 14:11
 Operator : CG\JU
 Sample : 03304-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-CONCRETE-0616

Quant Time: Jun 21 15:13:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

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

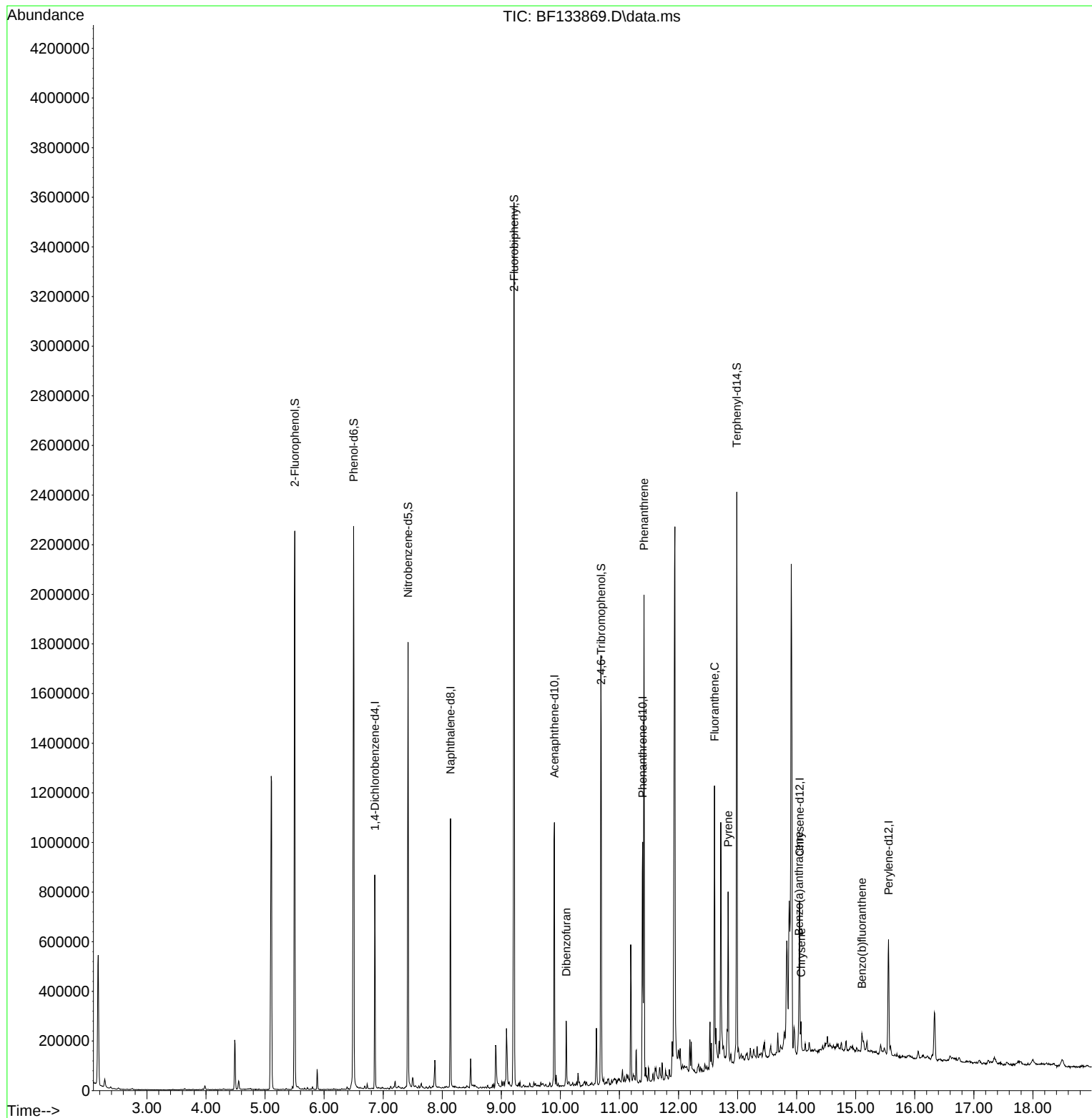
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	112711	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	431505	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	211142	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	371767	20.000	ng	0.00
76) Chrysene-d12	14.051	240	189805	20.000	ng	0.00
86) Perylene-d12	15.557	264	227072	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	571843	88.325	ng	0.02
7) Phenol-d6	6.498	99	724077	85.920	ng	0.00
23) Nitrobenzene-d5	7.422	82	515468	65.065	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	192607	72.065	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	969423	65.267	ng	0.00
79) Terphenyl-d14	12.986	244	780756	63.649	ng	0.00
Target Compounds						
						Qvalue
55) Dibenzofuran	10.098	168	73309	3.861	ng	99
71) Phenanthrene	11.416	178	653820	34.664	ng	99
75) Fluoranthene	12.610	202	425844	21.261	ng	99
78) Pyrene	12.839	202	272677	15.422	ng	99
81) Benzo(a)anthracene	14.039	228	45228	3.445	ng	98
83) Chrysene	14.074	228	43244	3.482	ng	95
88) Benzo(b)fluoranthene	15.104	252	31490m	2.283	ng	

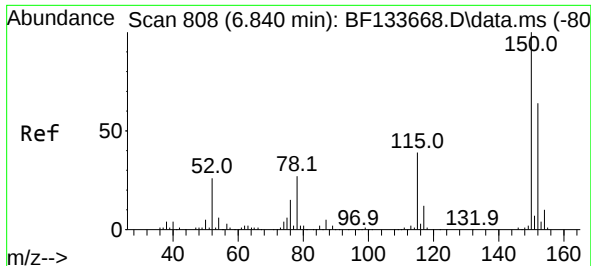
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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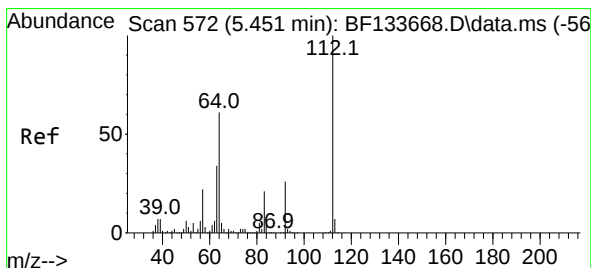
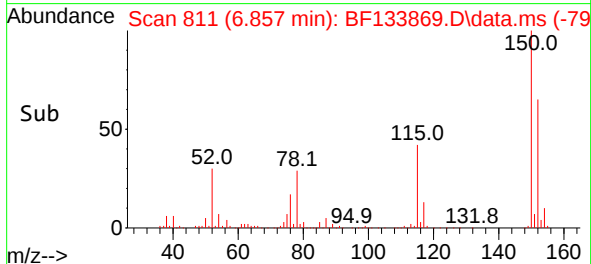
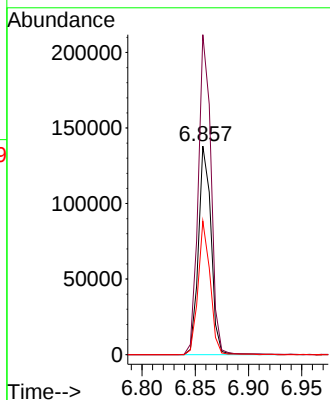
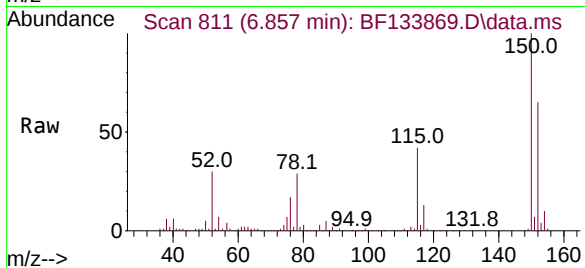




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133869.D
Acq: 21 Jun 2023 14:11

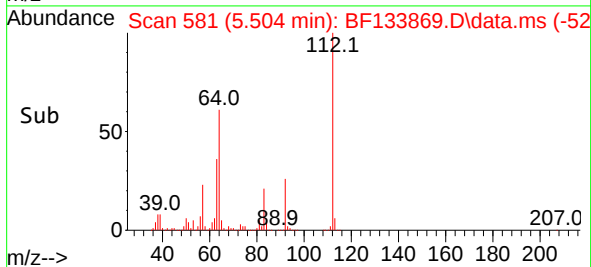
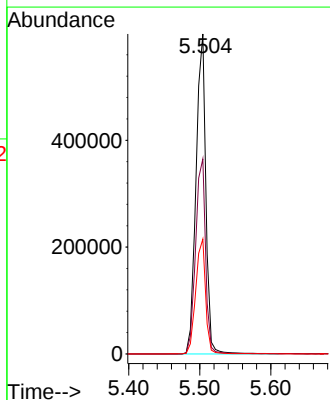
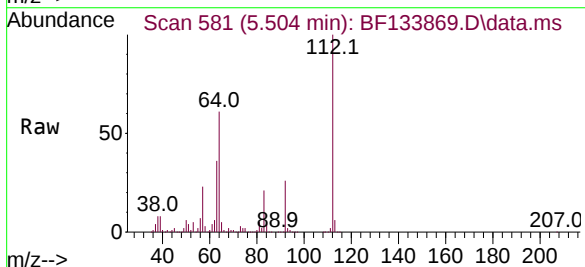
Instrument :
BNA_F
ClientSampleId :
JC-CONCRETE-0616

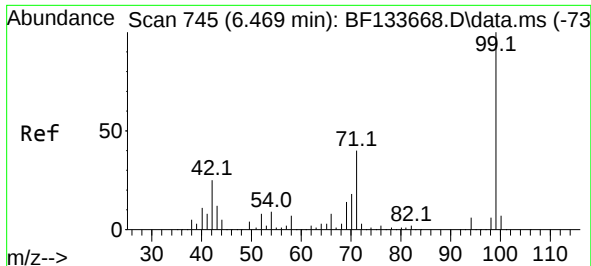
Tgt Ion:152 Resp: 112711
Ion Ratio Lower Upper
152 100
150 153.4 124.3 186.5
115 64.0 48.5 72.7



#5
2-Fluorophenol
Concen: 88.325 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF133869.D
Acq: 21 Jun 2023 14:11

Tgt Ion:112 Resp: 571843
Ion Ratio Lower Upper
112 100
64 61.0 49.0 73.4
63 35.9 26.8 40.2

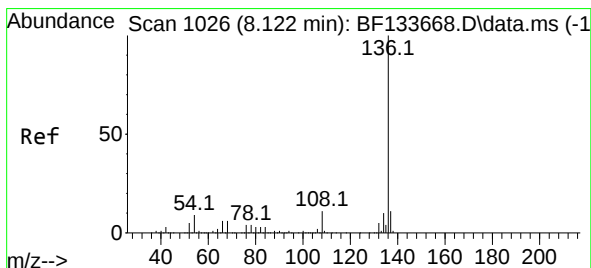
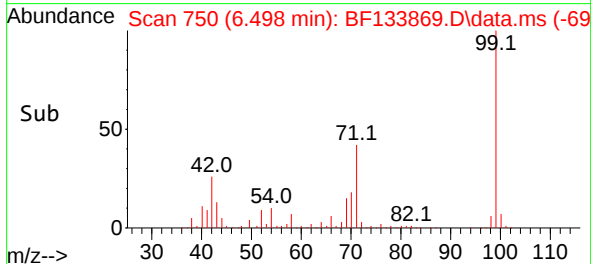
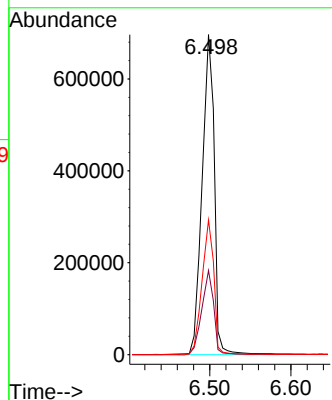
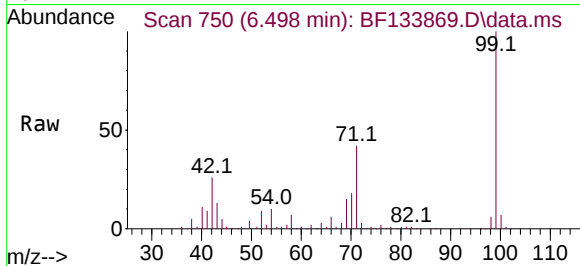




#7
Phenol-d6
Concen: 85.920 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF133869.D
Acq: 21 Jun 2023 14:11

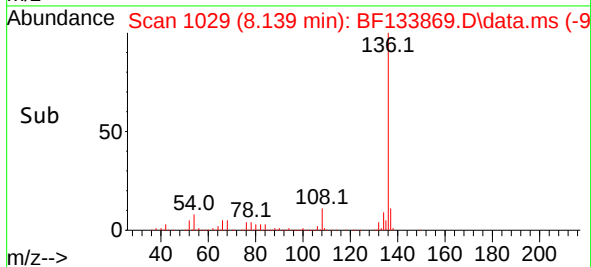
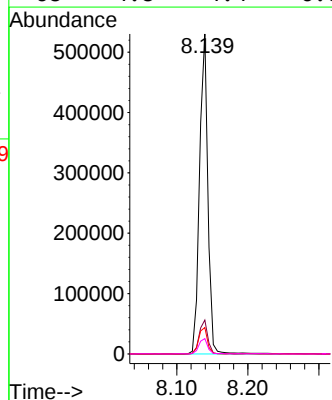
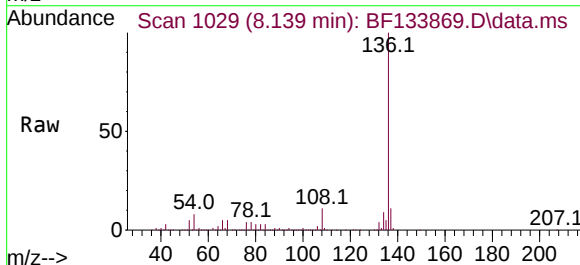
Instrument :
BNA_F
ClientSampleId :
JC-CONCRETE-0616

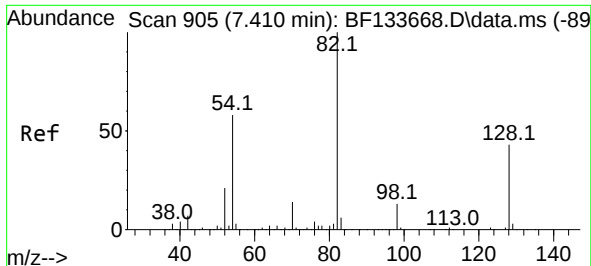
Tgt Ion: 99 Resp: 724077
Ion Ratio Lower Upper
99 100
42 26.3 19.9 29.9
71 42.1 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133869.D
Acq: 21 Jun 2023 14:11

Tgt Ion: 136 Resp: 431505
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.2 7.4 11.0
68 4.8 4.4 6.6





#23

Nitrobenzene-d5

Concen: 65.065 ng

RT: 7.422 min Scan# 905

Delta R.T. 0.000 min

Lab File: BF133869.D

Acq: 21 Jun 2023 14:11

Instrument :

BNA_F

ClientSampleId :

JC-CONCRETE-0616

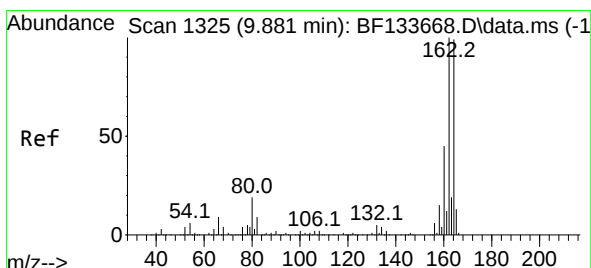
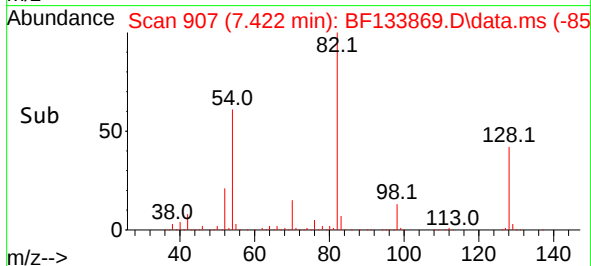
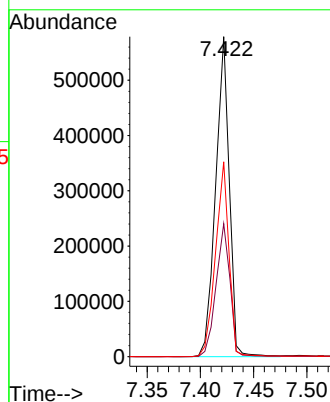
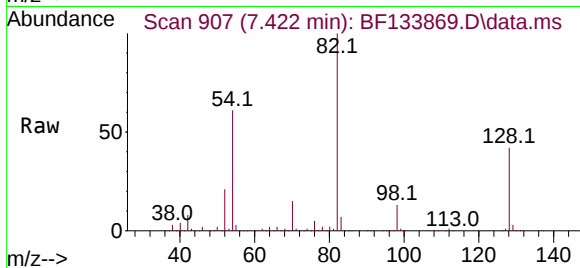
Tgt Ion: 82 Resp: 515468

Ion Ratio Lower Upper

82 100

128 41.5 34.2 51.2

54 60.9 46.5 69.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF133869.D

Acq: 21 Jun 2023 14:11

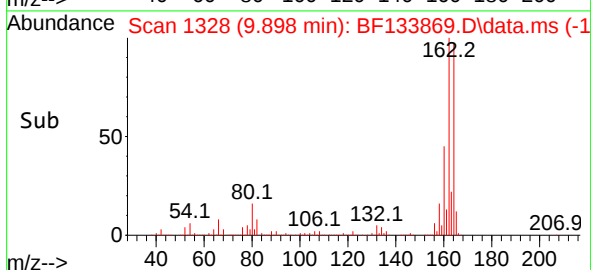
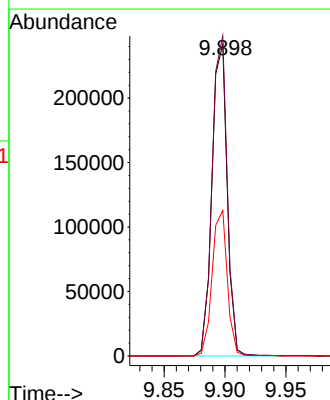
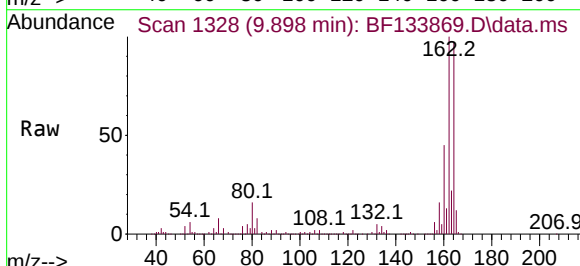
Tgt Ion:164 Resp: 211142

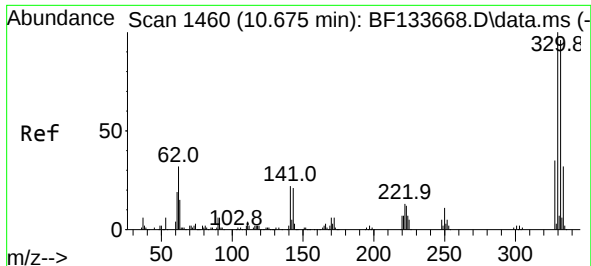
Ion Ratio Lower Upper

164 100

162 102.7 80.8 121.2

160 46.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 72.065 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.000 min

Lab File: BF133869.D

Acq: 21 Jun 2023 14:11

Instrument :

BNA_F

ClientSampleId :

JC-CONCRETE-0616

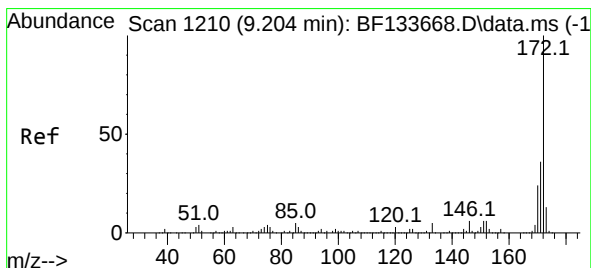
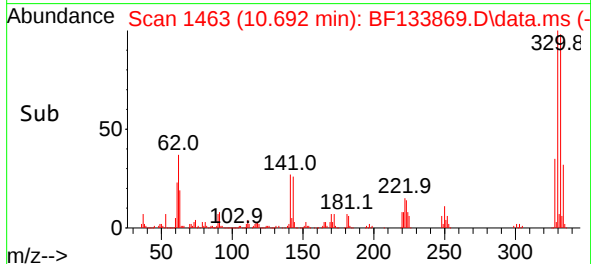
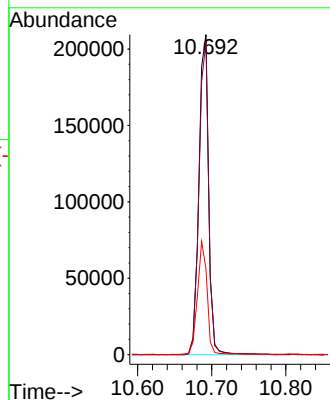
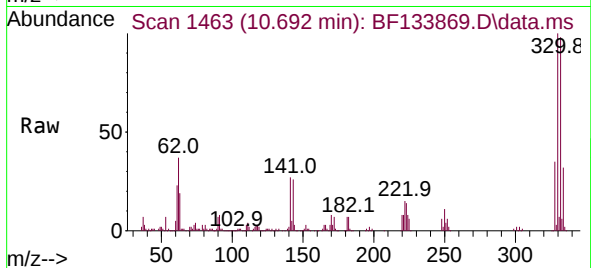
Tgt Ion:330 Resp: 192607

Ion Ratio Lower Upper

330 100

332 96.9 77.2 115.8

141 35.0 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 65.267 ng

RT: 9.216 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF133869.D

Acq: 21 Jun 2023 14:11

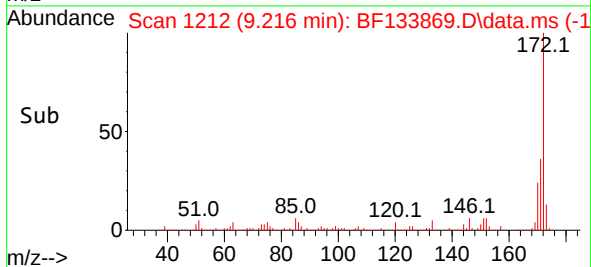
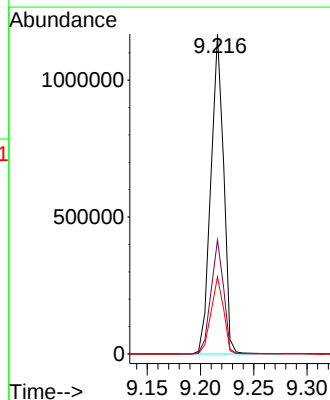
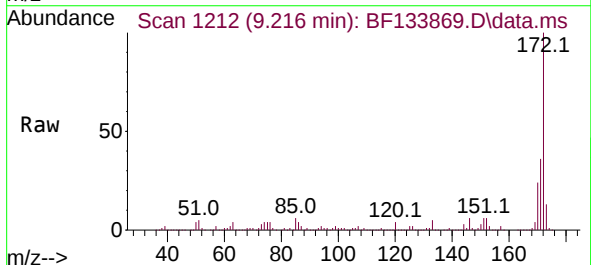
Tgt Ion:172 Resp: 969423

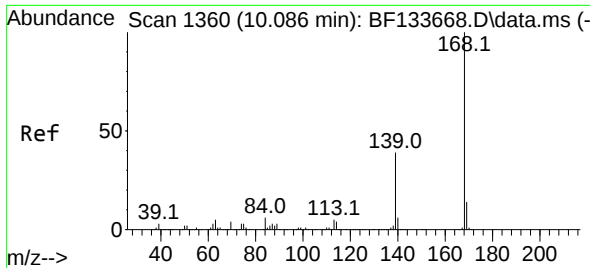
Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 24.1 19.1 28.7

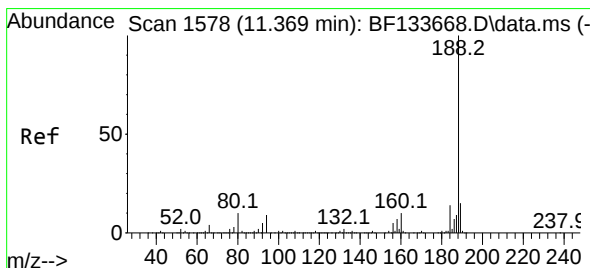
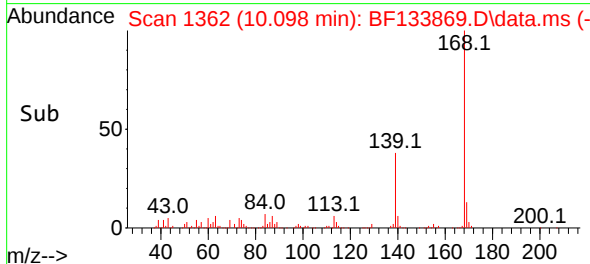
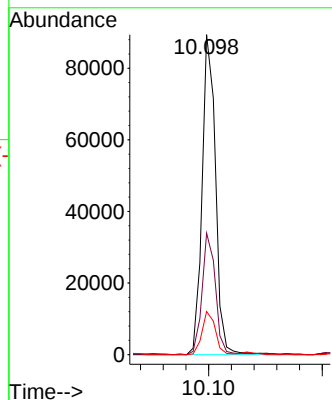
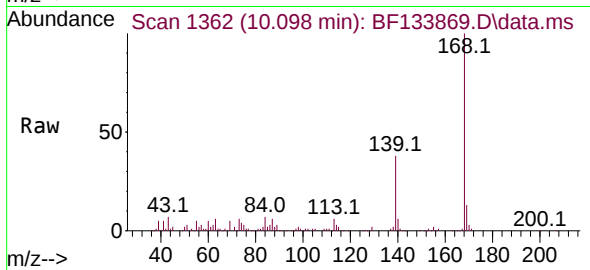




#55
Dibenzenofuran
Concen: 3.861 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF133869.D
Acq: 21 Jun 2023 14:11

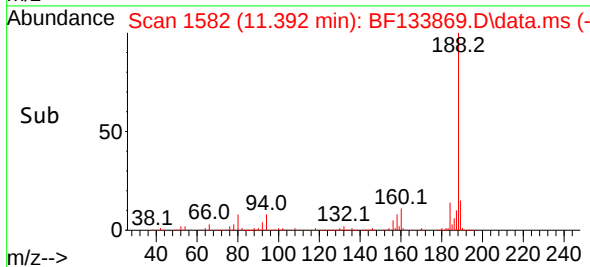
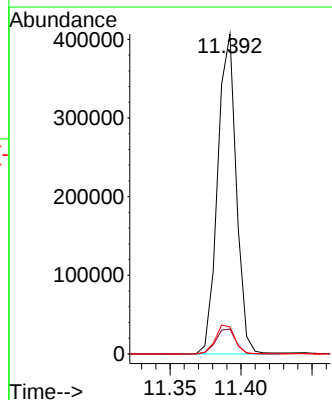
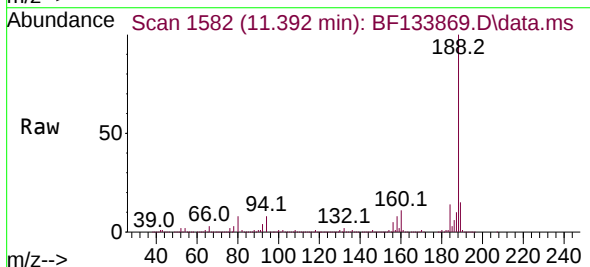
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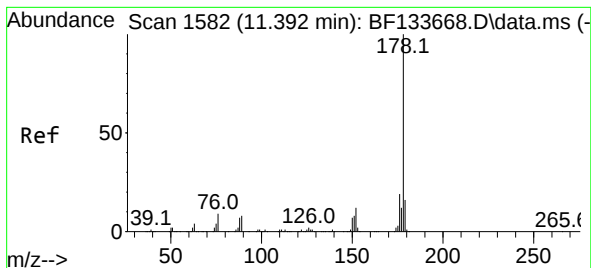
Tgt Ion:168 Resp: 73309
Ion Ratio Lower Upper
168 100
139 38.0 30.9 46.3
169 13.5 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF133869.D
Acq: 21 Jun 2023 14:11

Tgt Ion:188 Resp: 371767
Ion Ratio Lower Upper
188 100
94 7.8 6.8 10.2
80 8.4 7.8 11.6





#71

Phenanthrene

Concen: 34.664 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF133869.D

Acq: 21 Jun 2023 14:11

Instrument :

BNA_F

ClientSampleId :

JC-CONCRETE-0616

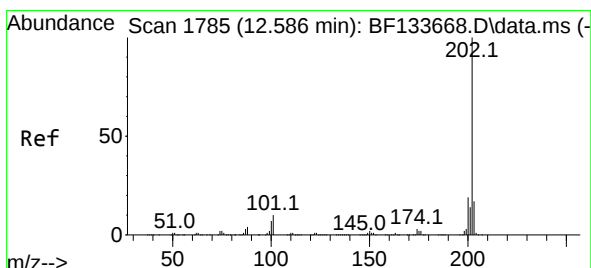
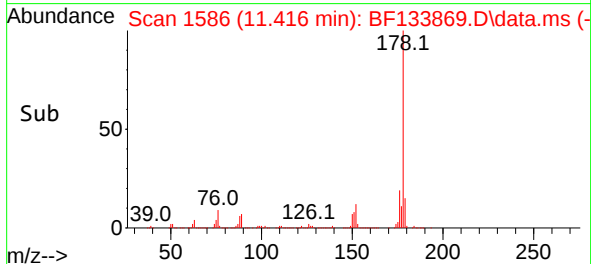
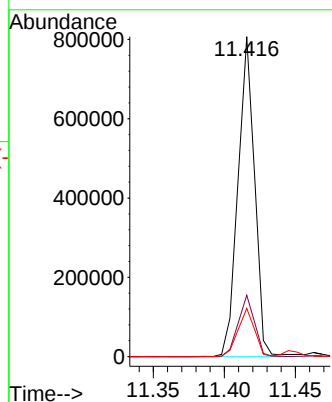
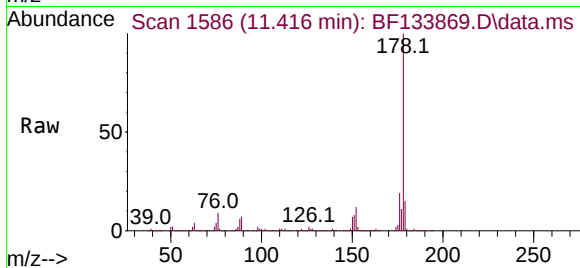
Tgt Ion:178 Resp: 653820

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 15.1 12.4 18.6



#75

Fluoranthene

Concen: 21.261 ng

RT: 12.610 min Scan# 1789

Delta R.T. 0.000 min

Lab File: BF133869.D

Acq: 21 Jun 2023 14:11

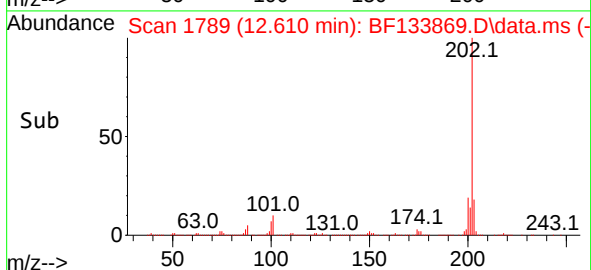
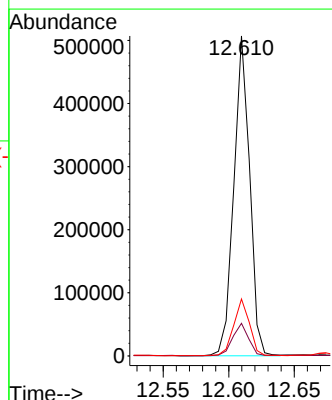
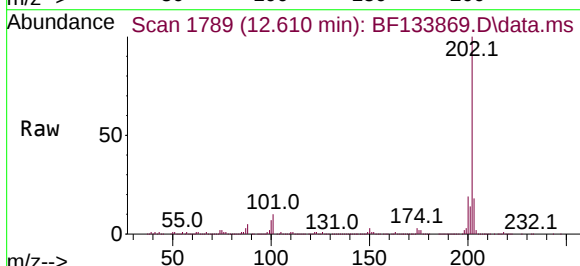
Tgt Ion:202 Resp: 425844

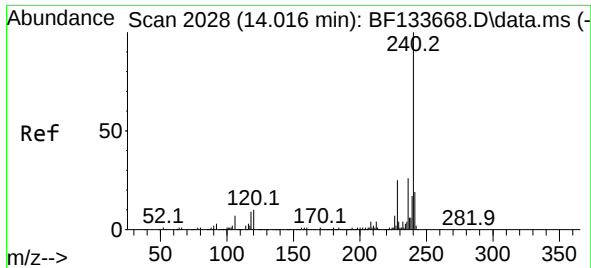
Ion Ratio Lower Upper

202 100

101 10.2 0.0 29.6

203 17.8 0.0 37.4

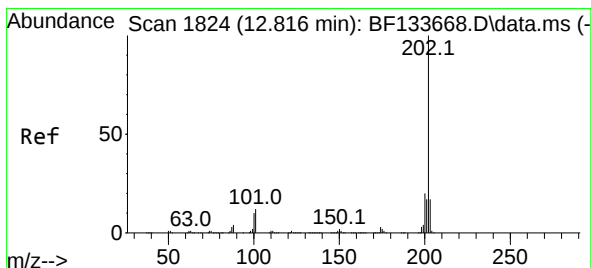
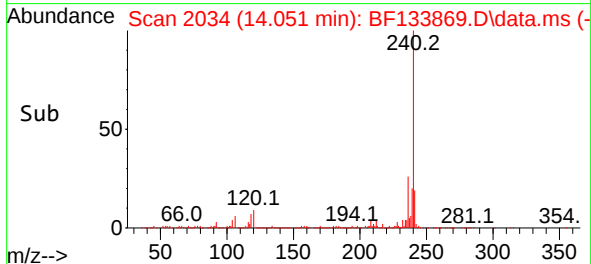
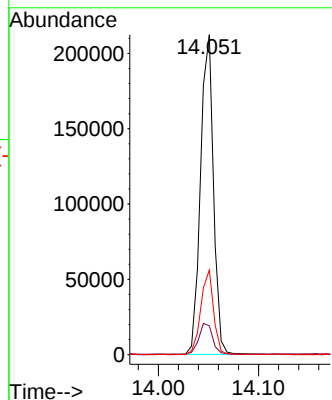
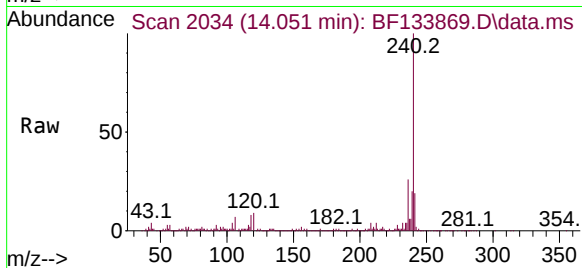




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF133869.D
Acq: 21 Jun 2023 14:11

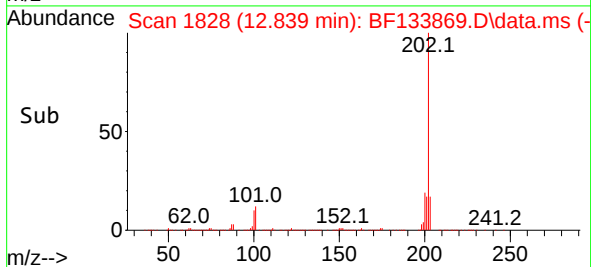
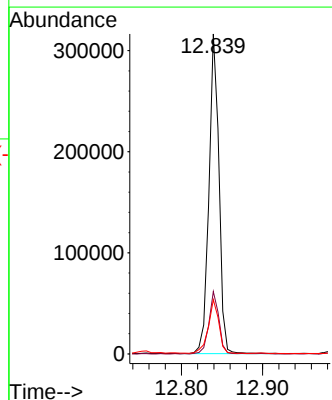
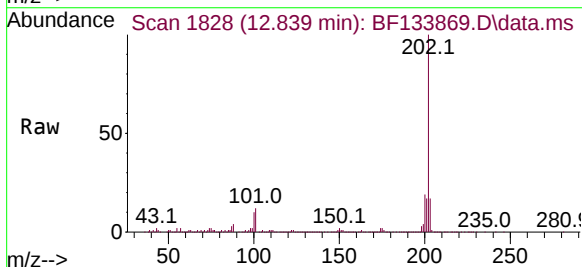
Instrument :
BNA_F
ClientSampleId :
JC-CONCRETE-0616

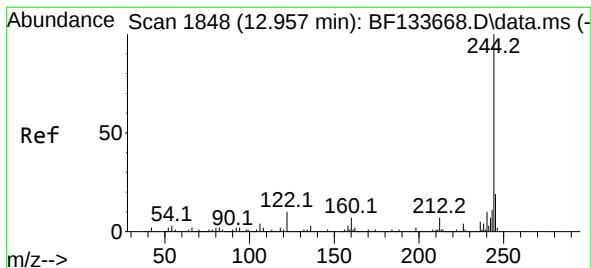
Tgt Ion:240 Resp: 189805
Ion Ratio Lower Upper
240 100
120 9.0 8.1 12.1
236 26.4 20.5 30.7



#78
Pyrene
Concen: 15.422 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF133869.D
Acq: 21 Jun 2023 14:11

Tgt Ion:202 Resp: 272677
Ion Ratio Lower Upper
202 100
200 19.5 16.2 24.2
203 16.9 13.9 20.9





#79

Terphenyl-d14

Concen: 63.649 ng

RT: 12.986 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF133869.D

Acq: 21 Jun 2023 14:11

Instrument :

BNA_F

ClientSampleId :

JC-CONCRETE-0616

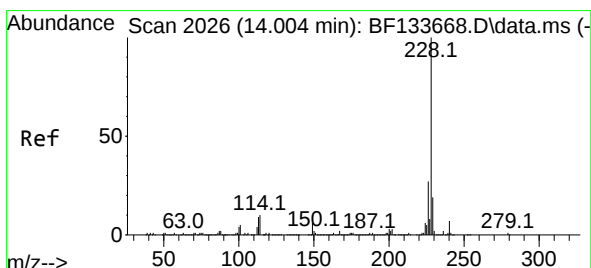
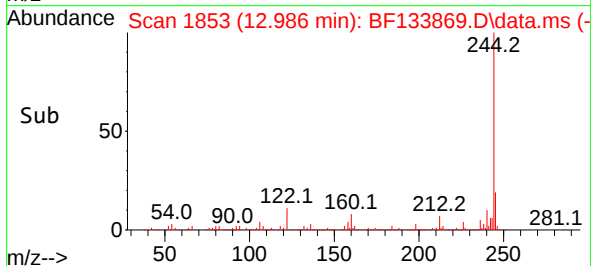
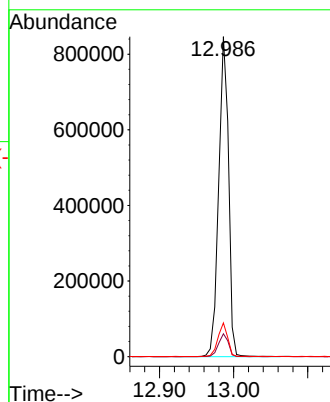
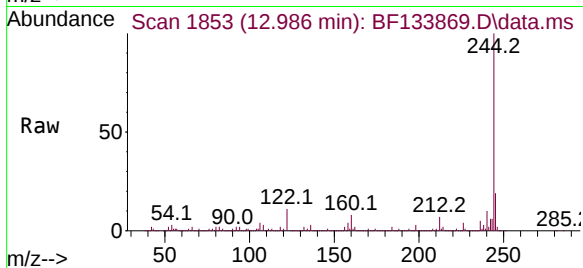
Tgt Ion:244 Resp: 780756

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 10.5 8.1 12.1



#81

Benzo(a)anthracene

Concen: 3.445 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF133869.D

Acq: 21 Jun 2023 14:11

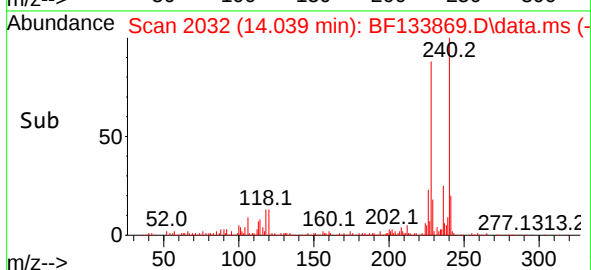
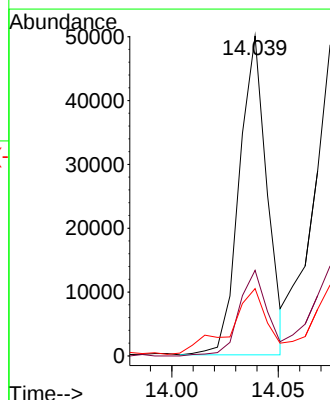
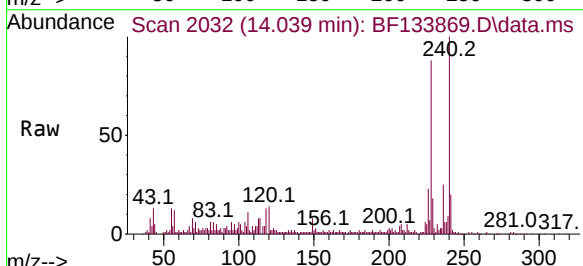
Tgt Ion:228 Resp: 45228

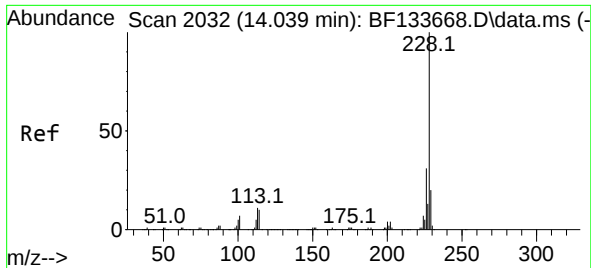
Ion Ratio Lower Upper

228 100

226 26.7 21.7 32.5

229 21.0 15.4 23.2

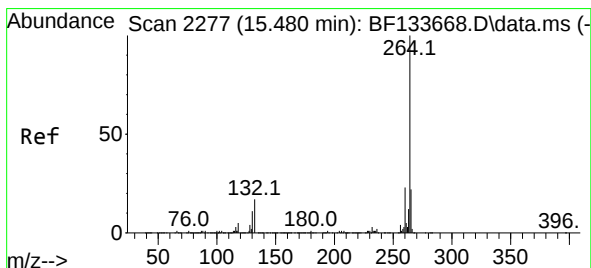
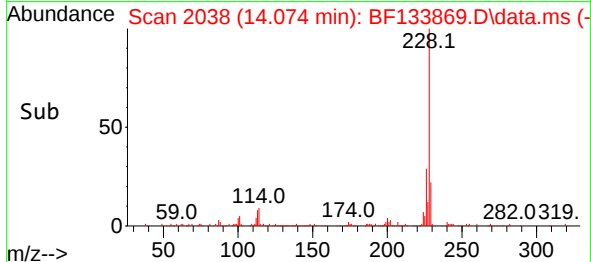
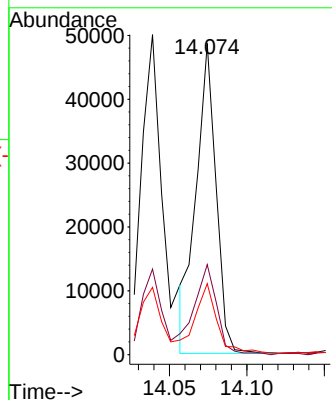
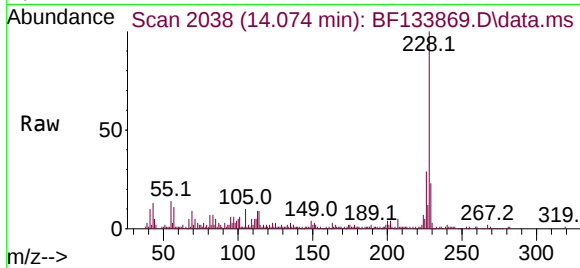




#83
Chrysene
Concen: 3.482 ng
RT: 14.074 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF133869.D
Acq: 21 Jun 2023 14:11

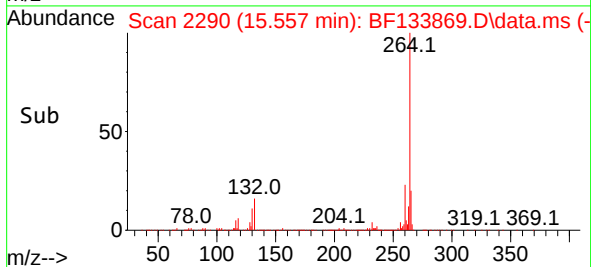
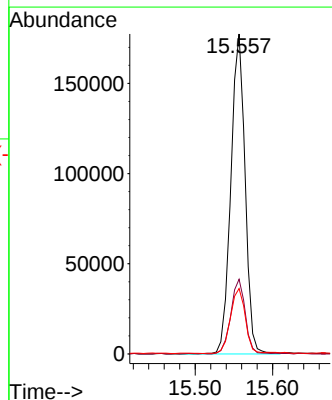
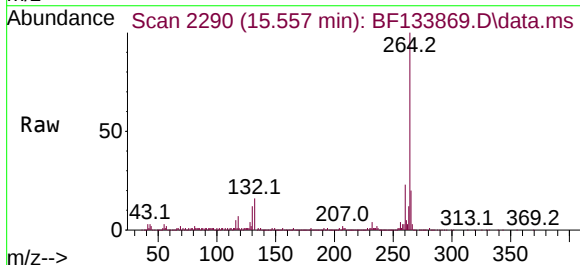
Instrument :
BNA_F
ClientSampleId :
JC-CONCRETE-0616

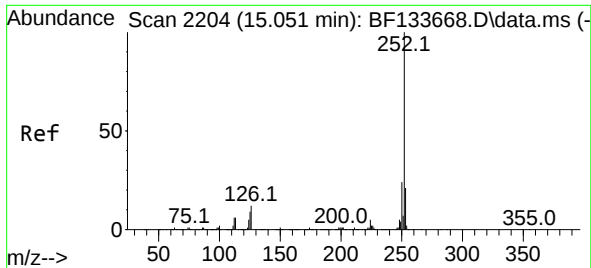
Tgt Ion:228	Resp:	43244
Ion Ratio	Lower	Upper
228	100	
226	28.9	25.0 37.6
229	22.8	15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF133869.D
Acq: 21 Jun 2023 14:11

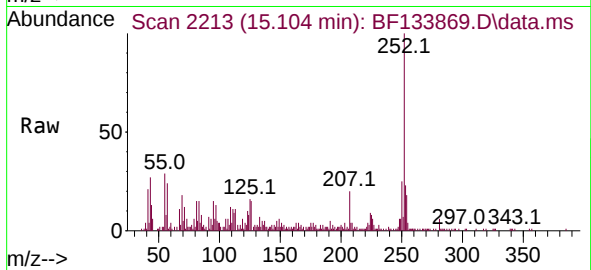
Tgt Ion:264	Resp:	227072
Ion Ratio	Lower	Upper
264	100	
260	23.3	18.2 27.2
265	20.4	17.8 26.6





#88
Benzo(b)fluoranthene
Concen: 2.283 ng m
RT: 15.104 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133869.D
Acq: 21 Jun 2023 14:11

Instrument :
BNA_F
ClientSampleId :
JC-CONCRETE-0616



Tgt Ion:252 Resp: 31490
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 15.7 7.3 10.9#

