

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030524\
 Data File : BF137506.D
 Acq On : 05 Mar 2024 18:04
 Operator : CG\JU
 Sample : P1674-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2B

Quant Time: Mar 06 00:16:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 06 00:07:28 2024
 Response via : Initial Calibration

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

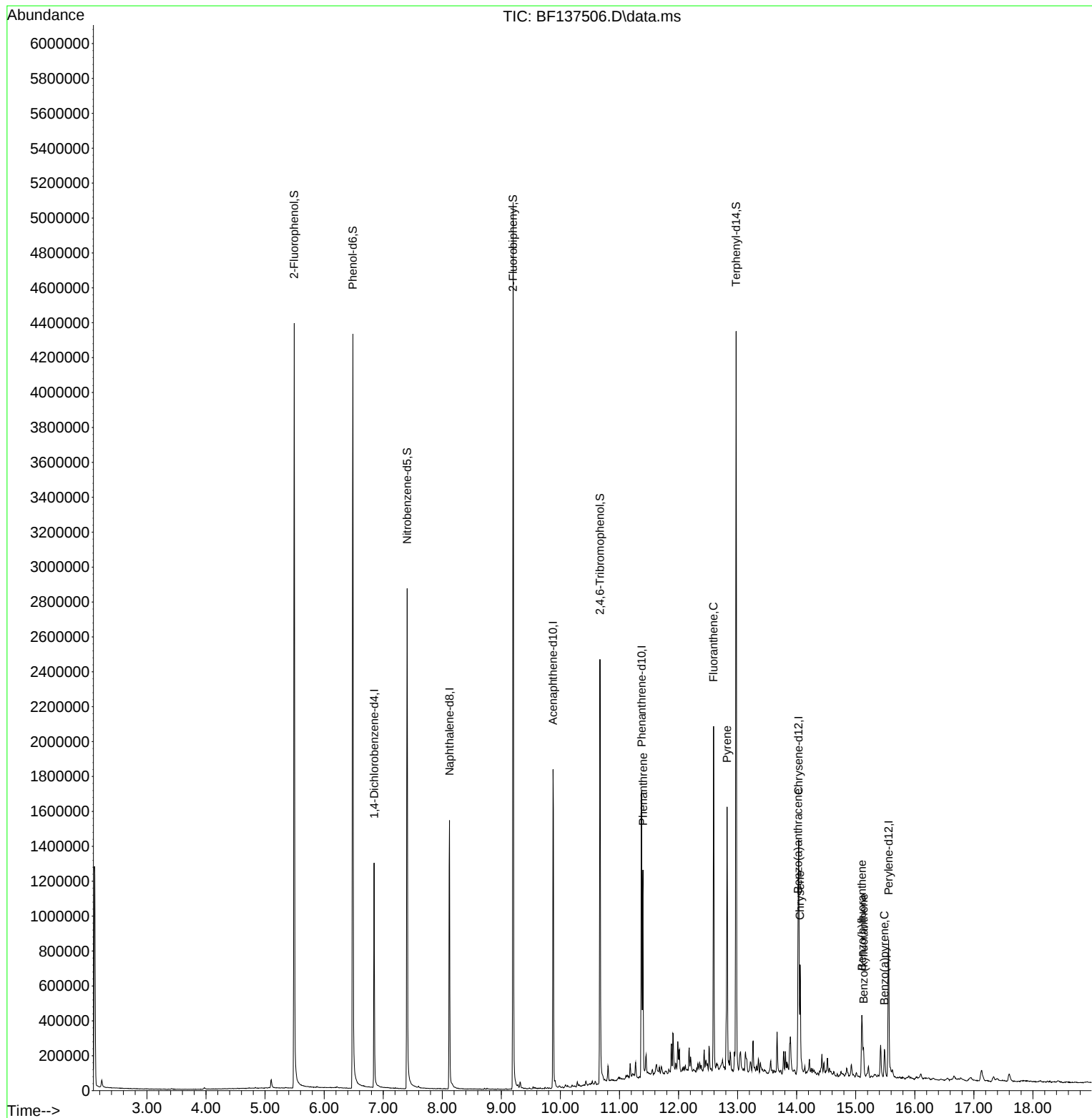
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	178306	20.000	ng	-0.02
21) Naphthalene-d8	8.122	136	698706	20.000	ng	-0.01
39) Acenaphthene-d10	9.875	164	380893	20.000	ng	-0.02
64) Phenanthrene-d10	11.375	188	637216	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	356658	20.000	ng	-0.02
86) Perylene-d12	15.557	264	382591	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1175652	99.860	ng	-0.02
7) Phenol-d6	6.487	99	1620088	95.333	ng	-0.02
23) Nitrobenzene-d5	7.404	82	953601	63.415	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	274876	82.178	ng	-0.02
45) 2-Fluorobiphenyl	9.198	172	1530987	62.919	ng	-0.02
79) Terphenyl-d14	12.975	244	1476870	56.941	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	11.398	178	439494	12.673	ng	99
75) Fluoranthene	12.592	202	765122	22.572	ng	100
78) Pyrene	12.822	202	568317	16.239	ng	99
81) Benzo(a)anthracene	14.022	228	249838	9.994	ng	100
83) Chrysene	14.057	228	244257	9.668	ng	98
88) Benzo(b)fluoranthene	15.104	252	189627m	8.379	ng	
89) Benzo(k)fluoranthene	15.133	252	78601m	3.233	ng	
90) Benzo(a)pyrene	15.486	252	83611	3.749	ng	98

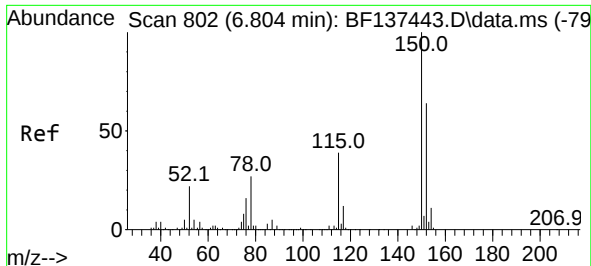
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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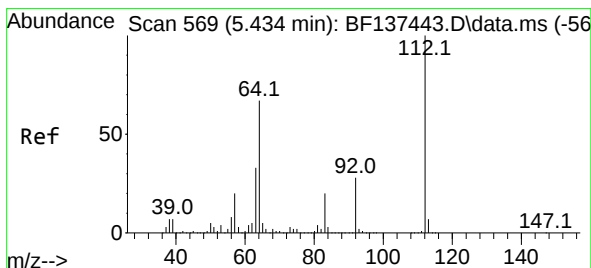
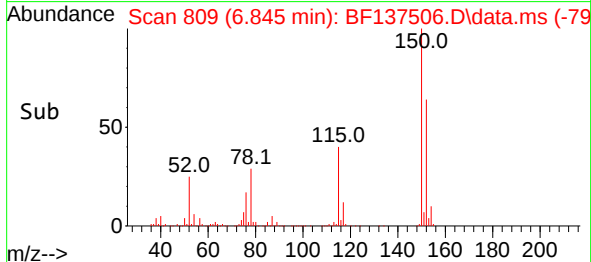
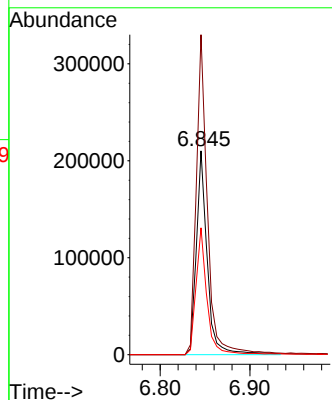
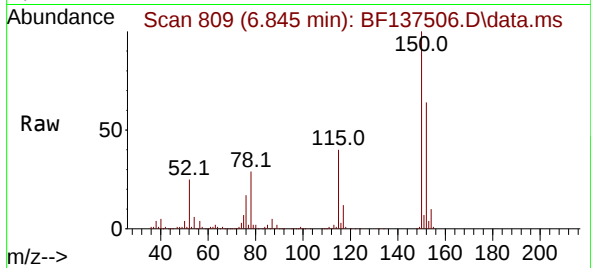




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 802
Delta R.T. -0.018 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

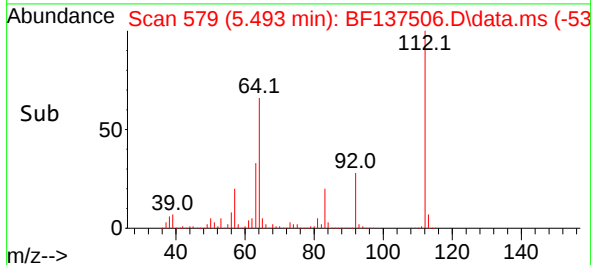
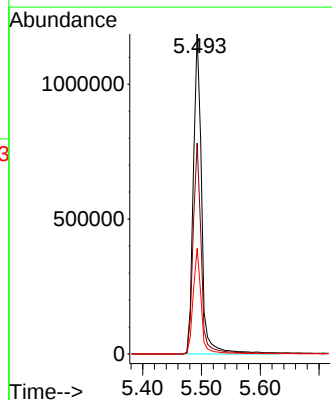
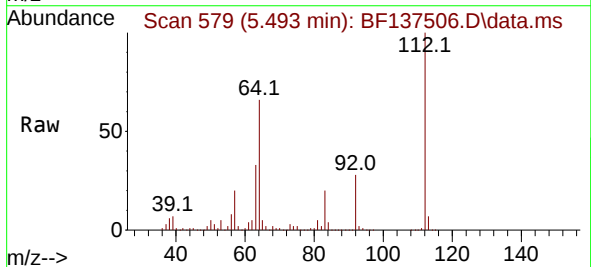
Instrument :
BNA_F
ClientSampleId :
2B

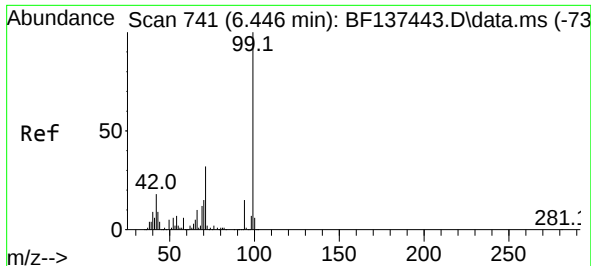
Tgt Ion:152 Resp: 178306
Ion Ratio Lower Upper
152 100
150 156.9 125.8 188.6
115 62.2 48.8 73.2



#5
2-Fluorophenol
Concen: 99.860 ng
RT: 5.493 min Scan# 579
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Tgt Ion:112 Resp: 1175652
Ion Ratio Lower Upper
112 100
64 65.9 53.4 80.2
63 33.0 26.2 39.2





#7
Phenol-d6
Concen: 95.333 ng
RT: 6.487 min Scan# 741
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Instrument :

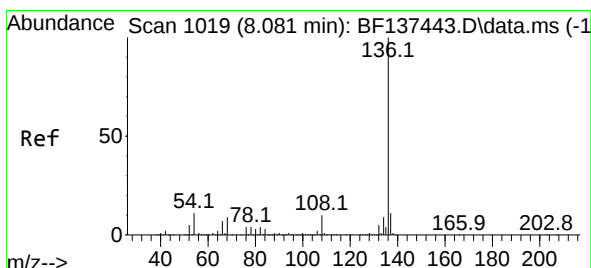
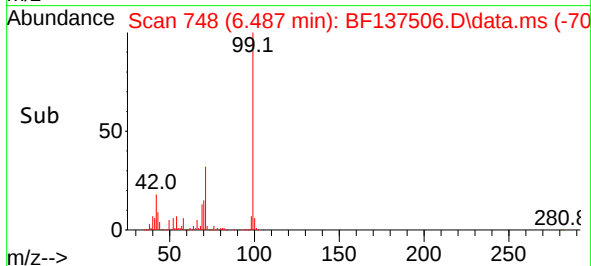
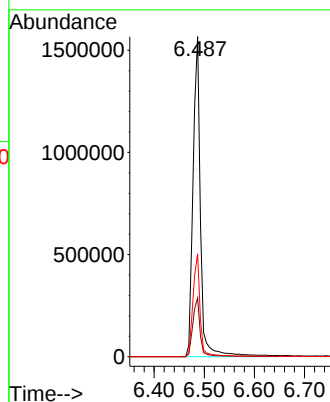
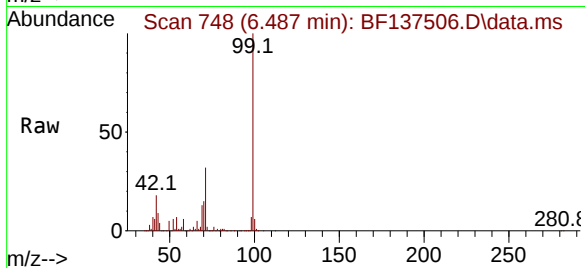
BNA_F

ClientSampleId :

2B

Tgt Ion: 99 Resp: 1620088

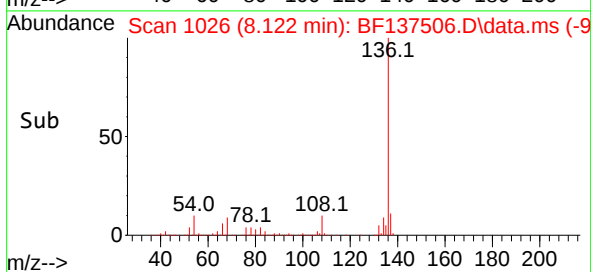
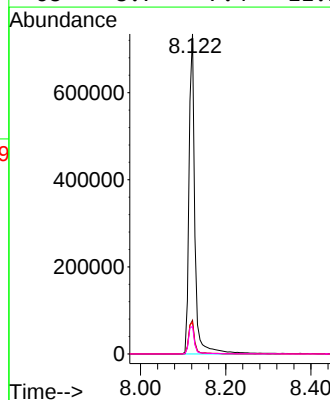
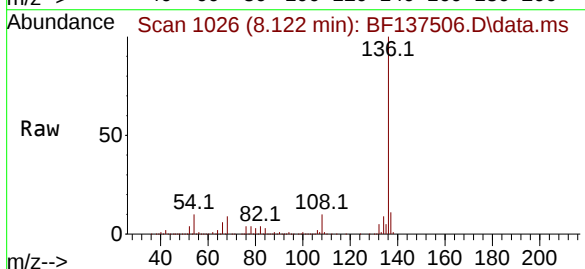
Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.6	21.8
71	32.1	25.3	37.9

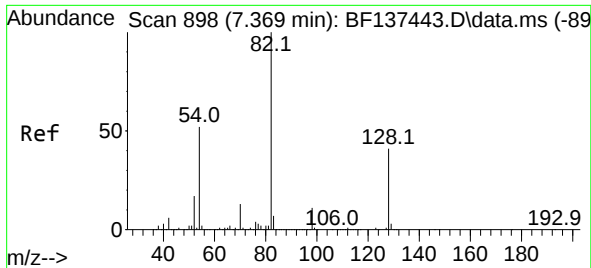


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Tgt Ion: 136 Resp: 698706

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	9.8	8.5	12.7
68	8.7	7.4	11.2

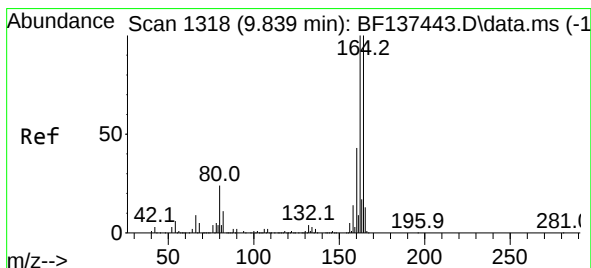
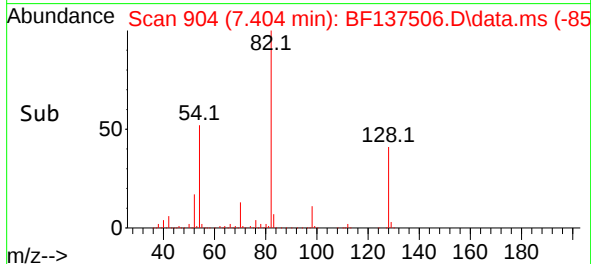
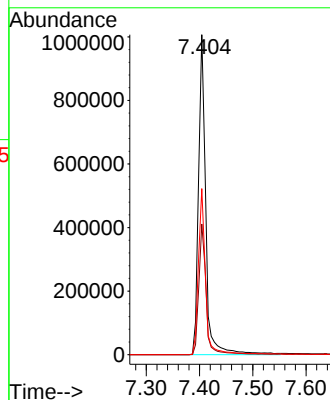
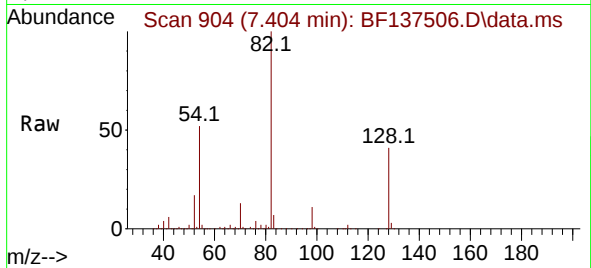




#23
Nitrobenzene-d5
Concen: 63.415 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.023 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

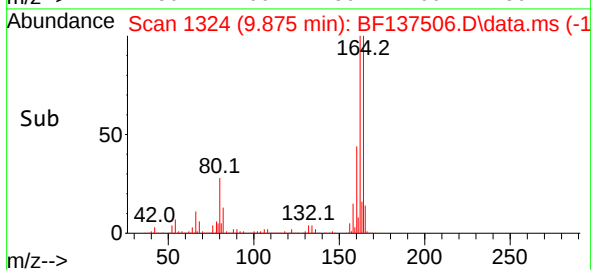
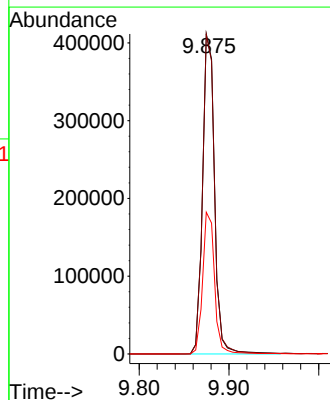
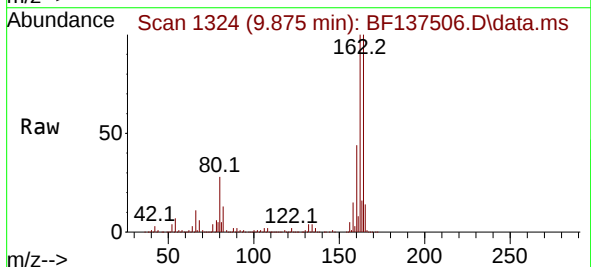
Instrument :
BNA_F
ClientSampleId :
2B

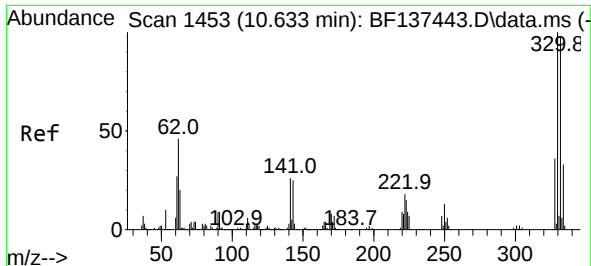
Tgt Ion: 82 Resp: 953601
Ion Ratio Lower Upper
82 100
128 40.9 32.5 48.7
54 51.9 41.5 62.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Tgt Ion: 164 Resp: 380893
Ion Ratio Lower Upper
164 100
162 99.9 79.8 119.8
160 44.3 34.4 51.6

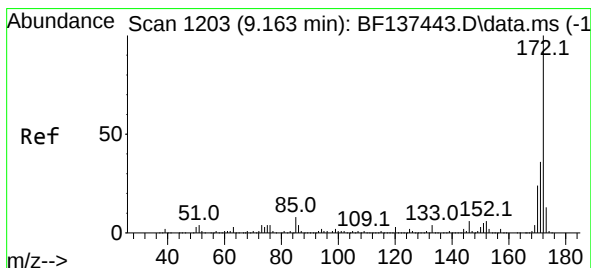
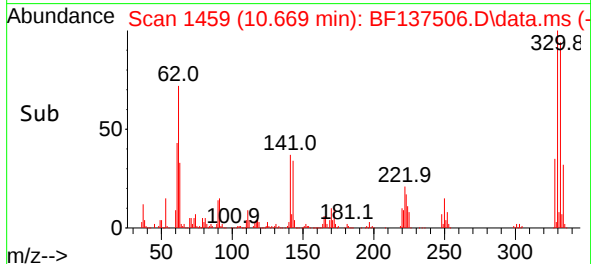
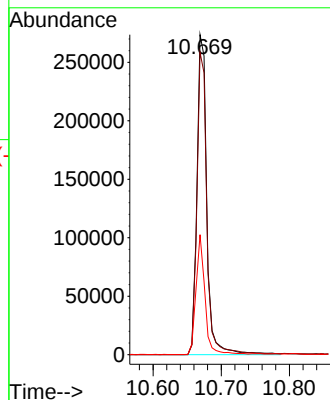
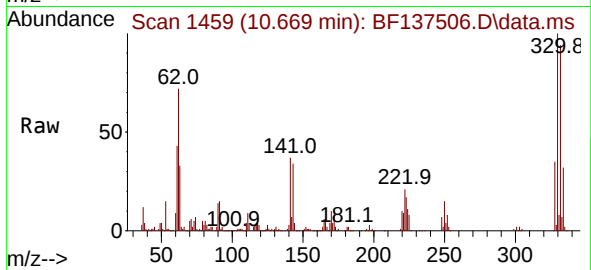




#42
2,4,6-Tribromophenol
Concen: 82.178 ng
RT: 10.669 min Scan# 1453
Delta R.T. -0.023 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

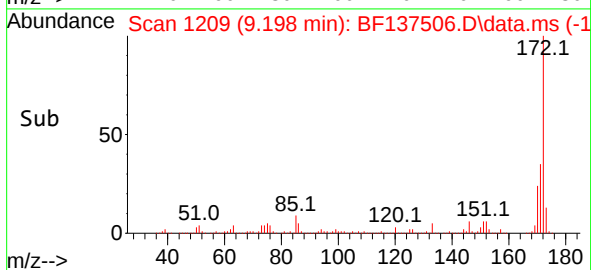
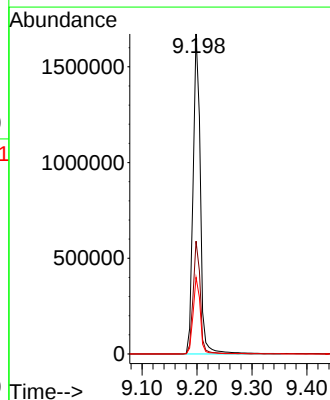
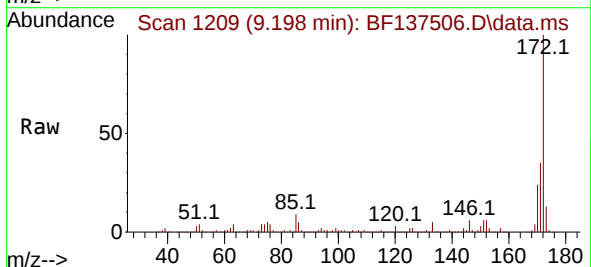
Instrument :
BNA_F
ClientSampleId :
2B

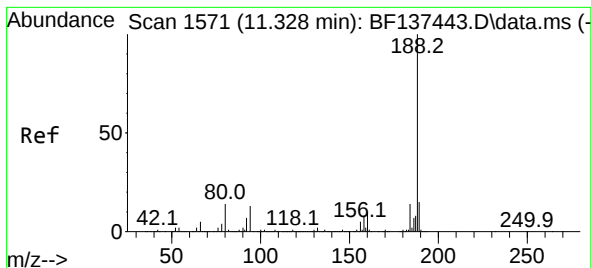
Tgt Ion: 330 Resp: 274876
Ion Ratio Lower Upper
330 100
332 94.4 78.0 117.0
141 33.7 27.3 40.9



#45
2-Fluorobiphenyl
Concen: 62.919 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Tgt Ion: 172 Resp: 1530987
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.9 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

Instrument :

BNA_F

ClientSampleId :

2B

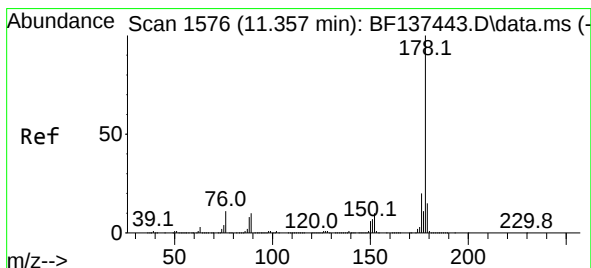
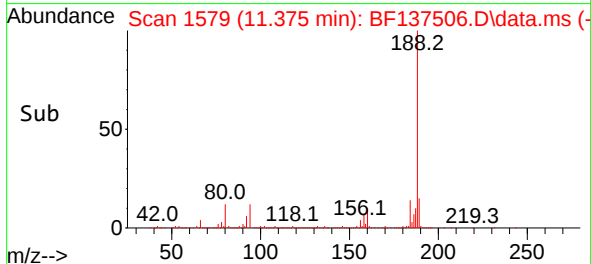
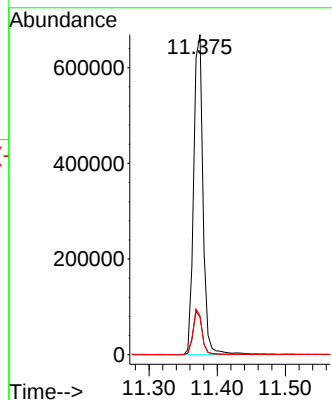
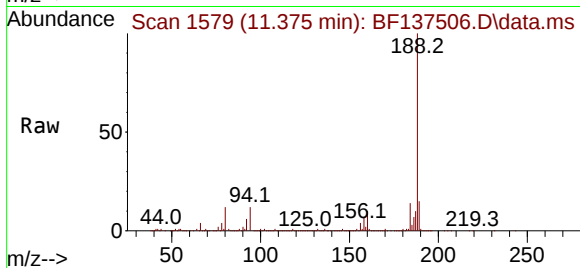
Tgt Ion:188 Resp: 637216

Ion Ratio Lower Upper

188 100

94 11.7 10.6 15.8

80 12.2 11.5 17.3



#71

Phenanthrene

Concen: 12.673 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.017 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

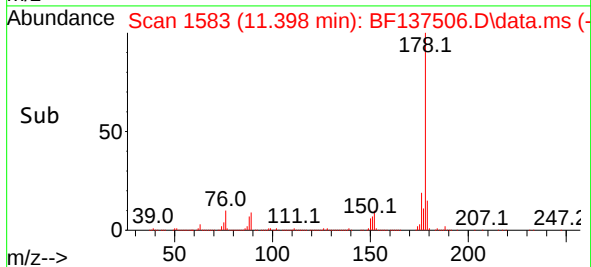
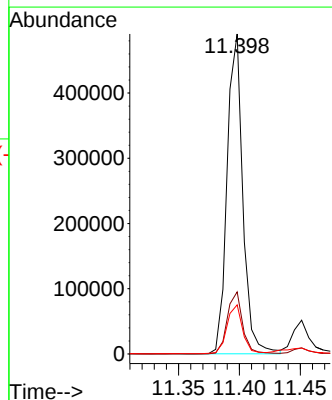
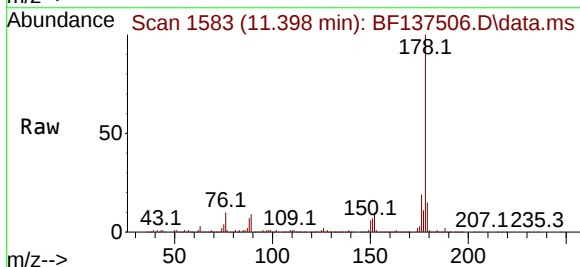
Tgt Ion:178 Resp: 439494

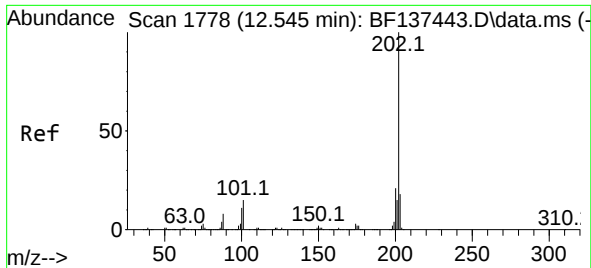
Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

179 15.4 12.2 18.2

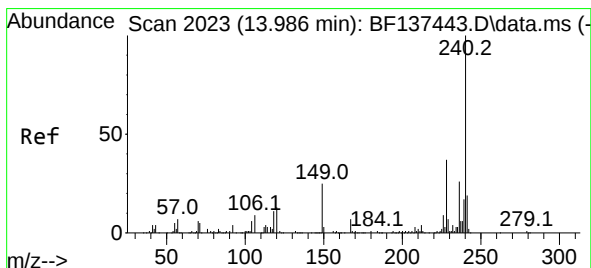
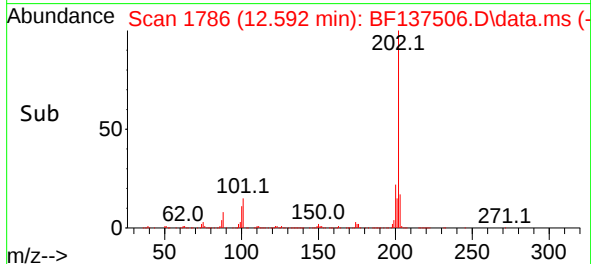
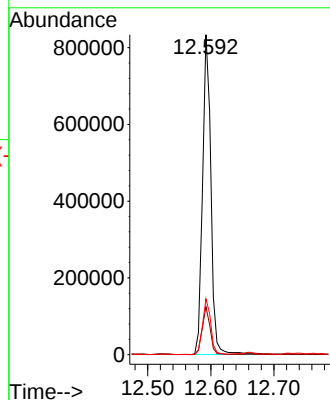
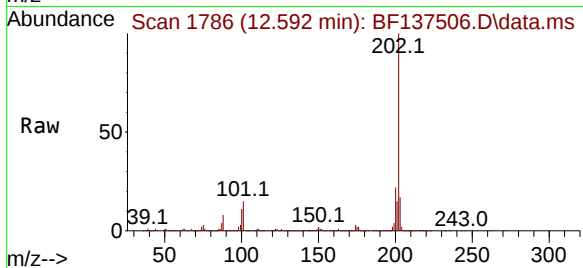




#75
Fluoranthene
Concen: 22.572 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

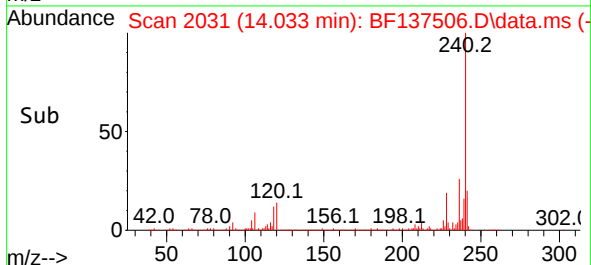
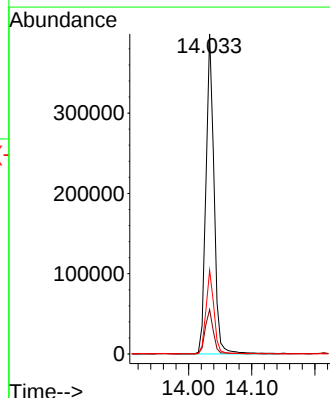
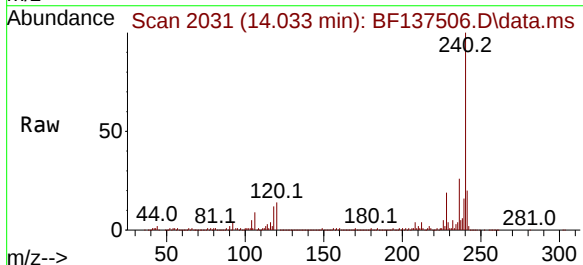
Instrument :
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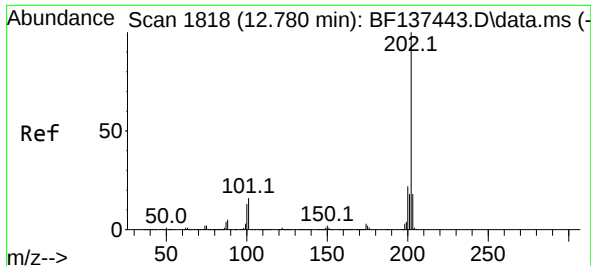
Tgt Ion:202 Resp: 765122
Ion Ratio Lower Upper
202 100
101 15.0 0.0 35.0
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Tgt Ion:240 Resp: 356658
Ion Ratio Lower Upper
240 100
120 13.8 10.4 15.6
236 26.2 20.9 31.3

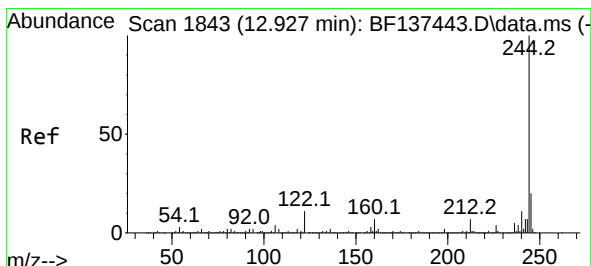
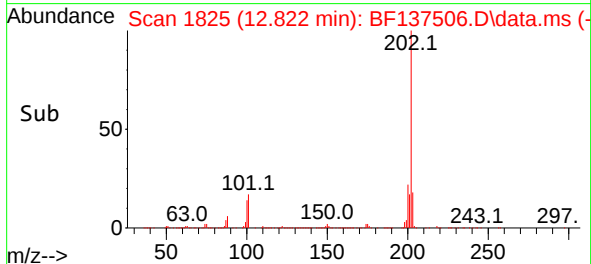
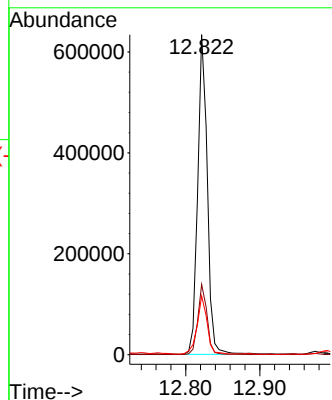
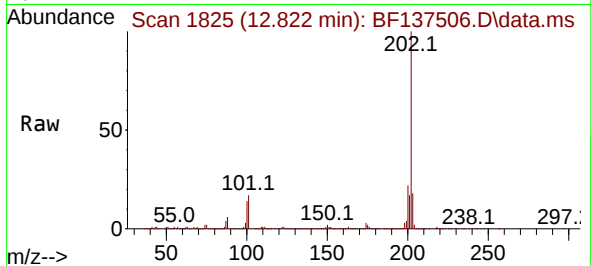




#78
Pyrene
Concen: 16.239 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

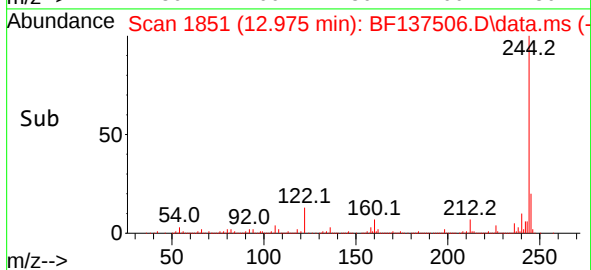
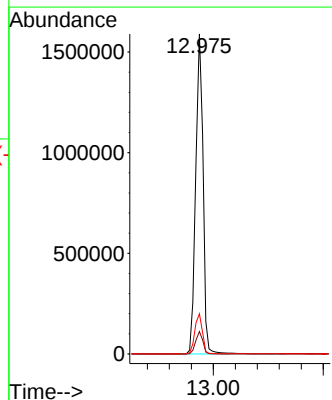
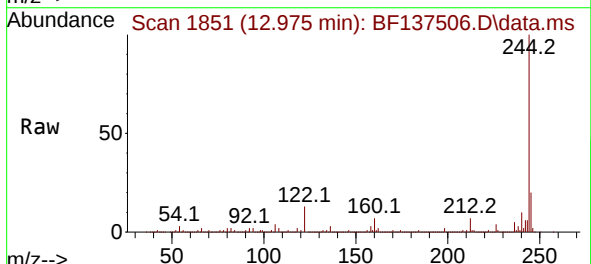
Instrument :
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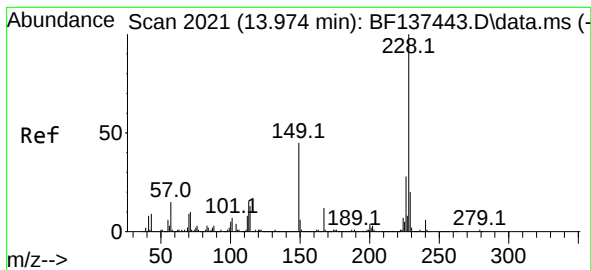
Tgt Ion:202 Resp: 568317
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 18.3 14.1 21.1



#79
Terphenyl-d14
Concen: 56.941 ng
RT: 12.975 min Scan# 1851
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Tgt Ion:244 Resp: 1476870
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 12.5 9.1 13.7





#81

Benzo(a)anthracene

Concen: 9.994 ng

RT: 14.022 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

Instrument :

BNA_F

ClientSampleId :

2B

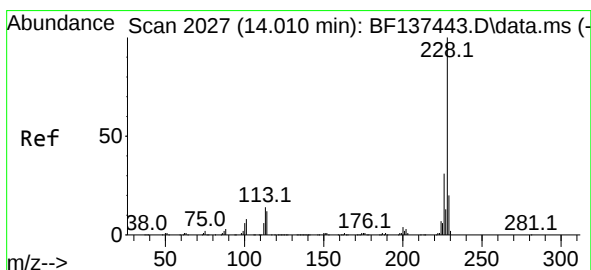
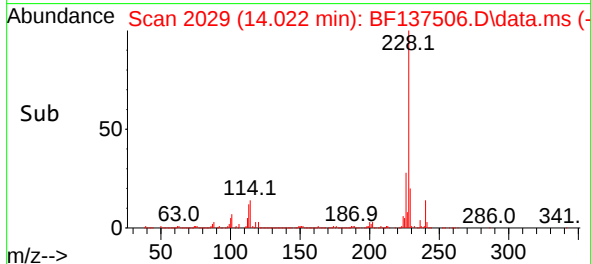
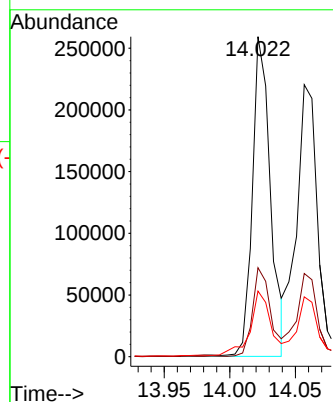
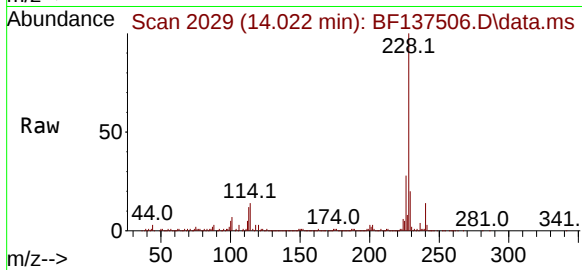
Tgt Ion:228 Resp: 249838

Ion Ratio Lower Upper

228 100

226 27.8 22.3 33.5

229 20.5 16.3 24.5



#83

Chrysene

Concen: 9.668 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.017 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

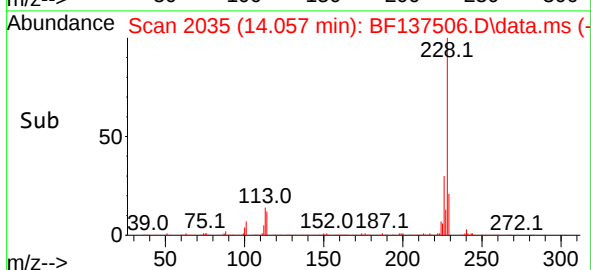
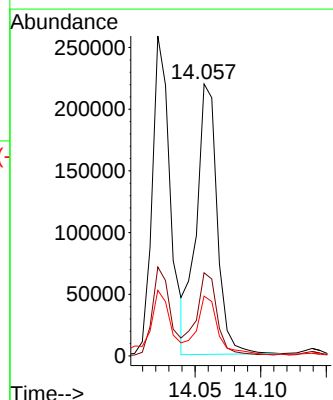
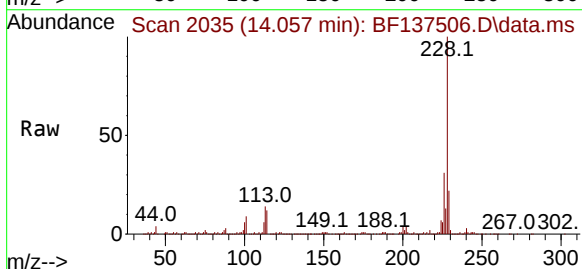
Tgt Ion:228 Resp: 244257

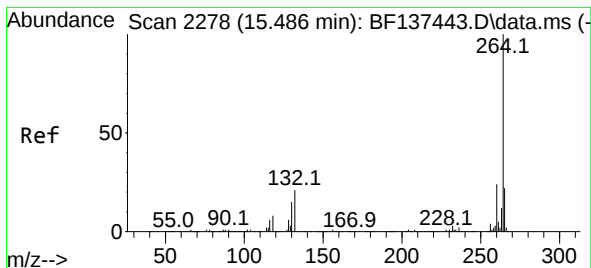
Ion Ratio Lower Upper

228 100

226 30.6 24.7 37.1

229 22.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

Instrument :

BNA_F

ClientSampleId :

2B

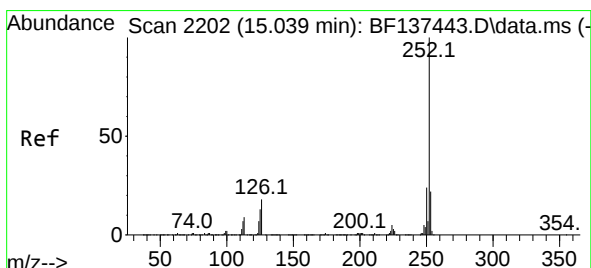
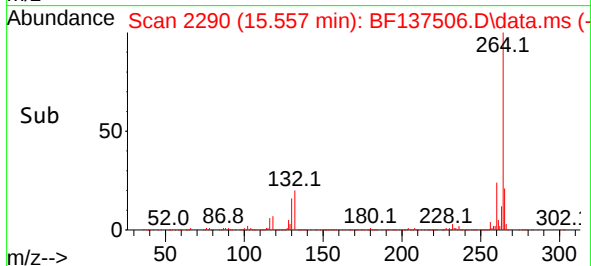
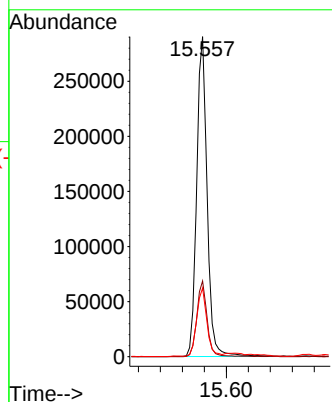
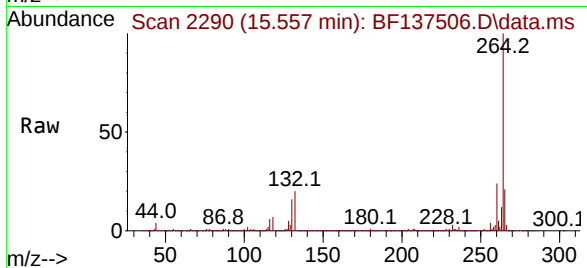
Tgt Ion:264 Resp: 382591

Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 21.4 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 8.379 ng m

RT: 15.104 min Scan# 2213

Delta R.T. -0.012 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

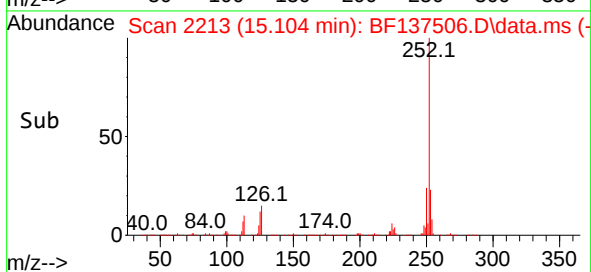
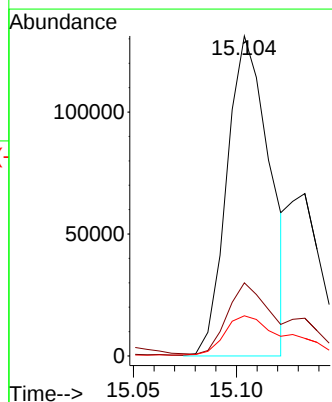
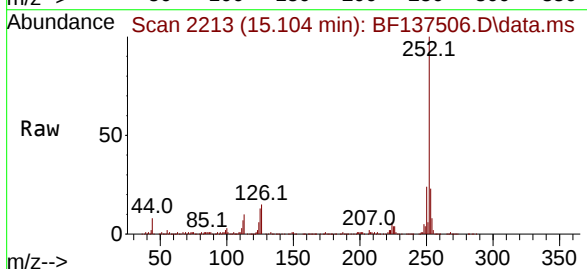
Tgt Ion:252 Resp: 189627

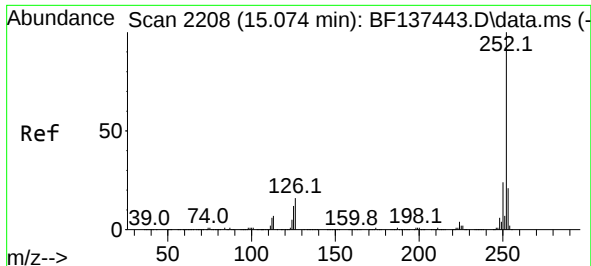
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 12.6 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 3.233 ng m

RT: 15.133 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

Instrument :

BNA_F

ClientSampleId :

2B

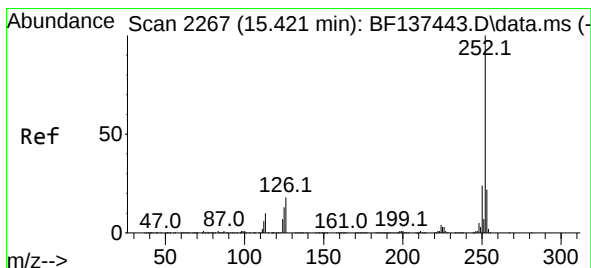
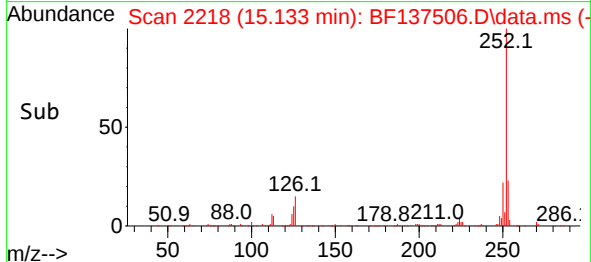
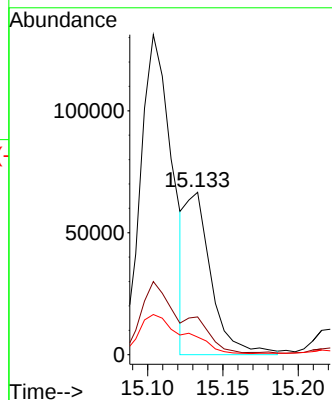
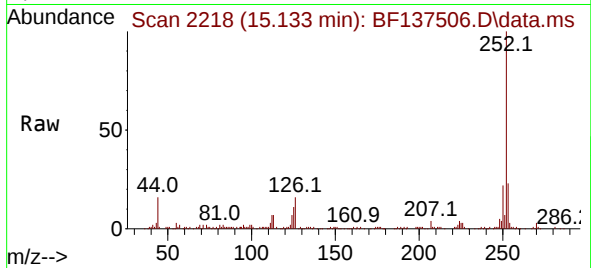
Tgt Ion:252 Resp: 78601

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 10.9 9.6 14.4



#90

Benzo(a)pyrene

Concen: 3.749 ng

RT: 15.486 min Scan# 2278

Delta R.T. -0.017 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

Tgt Ion:252 Resp: 83611

Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.2

125 13.4 10.4 15.6

