

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136561.D
 Acq On : 14 Dec 2023 03:38
 Operator : CG\JU
 Sample : 05588-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TUDOR

Quant Time: Dec 14 04:06:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

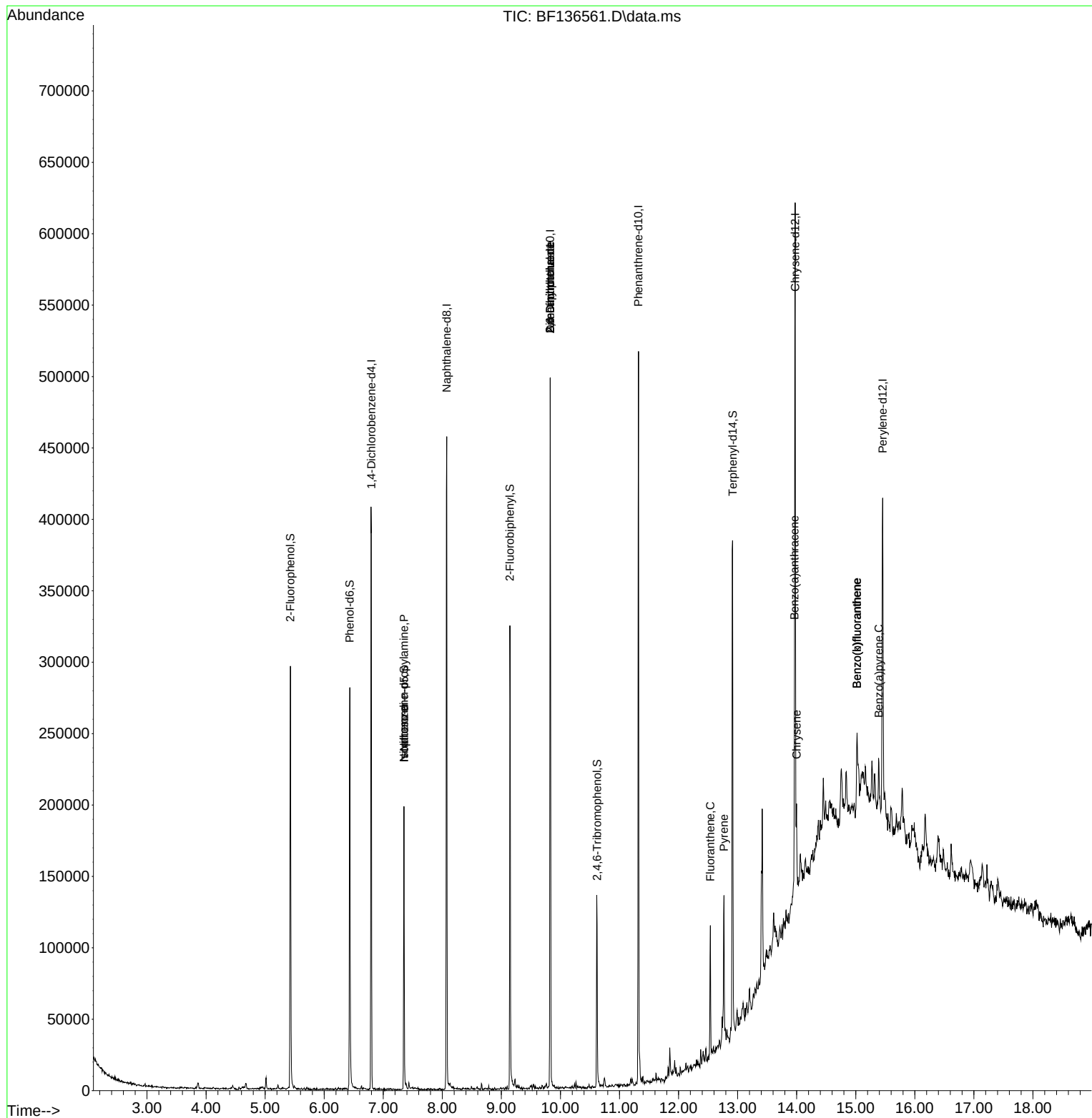
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	63660	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	209921	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	97029	20.000	ng	-0.01
64) Phenanthrene-d10	11.321	188	181458	20.000	ng	0.00
76) Chrysene-d12	13.974	240	148743	20.000	ng	0.00
86) Perylene-d12	15.456	264	108834	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	80902	18.768	ng	0.00
7) Phenol-d6	6.434	99	98769	18.365	ng	-0.01
23) Nitrobenzene-d5	7.351	82	54068	13.924	ng	-0.02
42) 2,4,6-Tribromophenol	10.621	330	18384	15.366	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	105622	14.853	ng	-0.02
79) Terphenyl-d14	12.915	244	126792	11.235	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.434	77	84	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.351	70	7342	2.367 ng	#	76
25) Isophorone	7.351	82	54067	7.750 ng	#	65
50) Dimethylphthalate	9.827	163	18057	2.528 ng	#	1
51) 2,6-Dinitrotoluene	9.827	165	11819	7.354 ng	#	29
57) 2,4-Dinitrotoluene	9.827	165	11819	5.559 ng	#	29
75) Fluoranthene	12.539	202	34056	3.258 ng		95
77) Benzidine	12.592	184	61	Below Cal	#	66
78) Pyrene	12.768	202	40959	2.812 ng		94
81) Benzo(a)anthracene	13.962	228	26109	2.520 ng		97
83) Chrysene	13.998	228	22974	2.254 ng		96
88) Benzo(b)fluoranthene	15.021	252	33436	4.493 ng	#	85
89) Benzo(k)fluoranthene	15.021	252	33436	4.768 ng	#	85
90) Benzo(a)pyrene	15.392	252	16063	2.614 ng	#	88

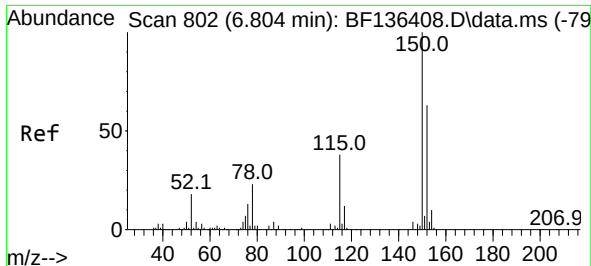
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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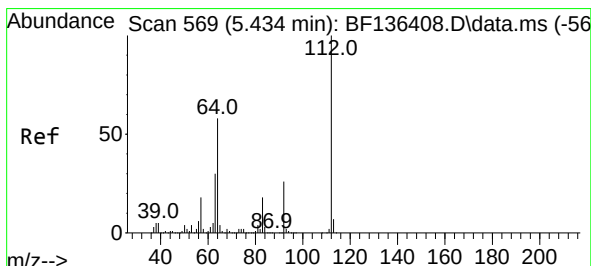
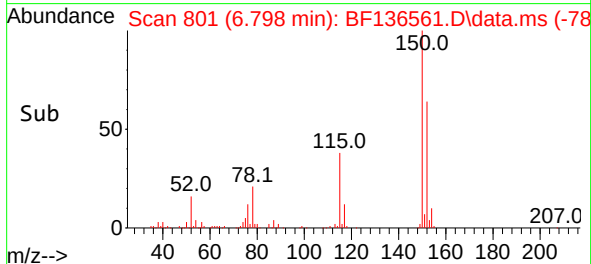
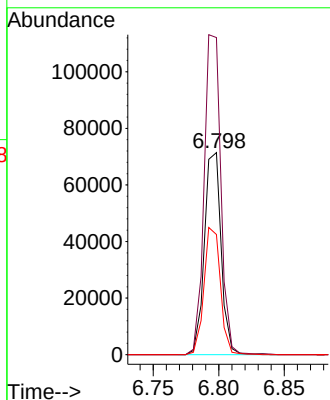
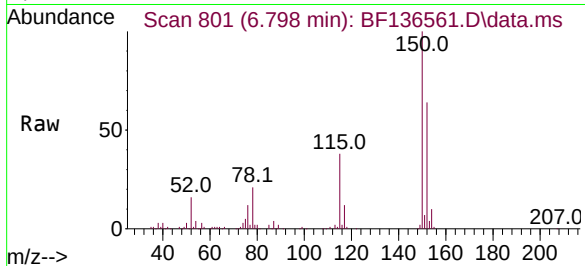




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 801
 Delta R.T. -0.006 min
 Lab File: BF136561.D
 Acq: 14 Dec 2023 03:38

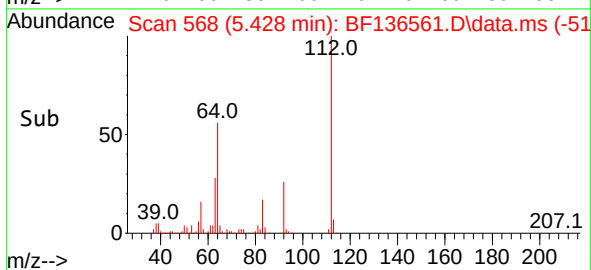
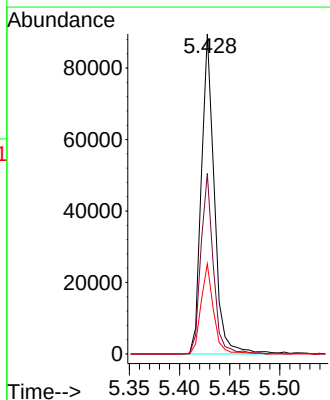
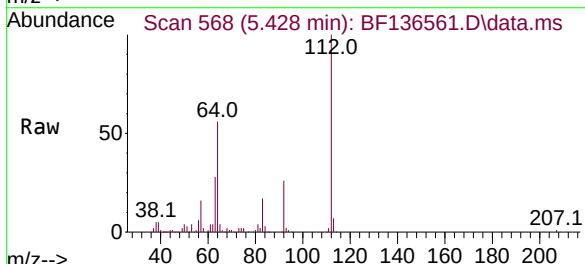
Instrument :
 BNA_F
 ClientSampleId :
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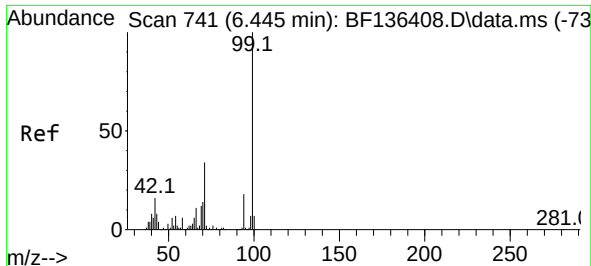
Tgt Ion:152 Resp: 63660
 Ion Ratio Lower Upper
 152 100
 150 157.0 126.4 189.6
 115 59.5 48.2 72.4



#5
 2-Fluorophenol
 Concen: 18.768 ng
 RT: 5.428 min Scan# 568
 Delta R.T. -0.006 min
 Lab File: BF136561.D
 Acq: 14 Dec 2023 03:38

Tgt Ion:112 Resp: 80902
 Ion Ratio Lower Upper
 112 100
 64 56.4 46.5 69.7
 63 28.1 23.9 35.9

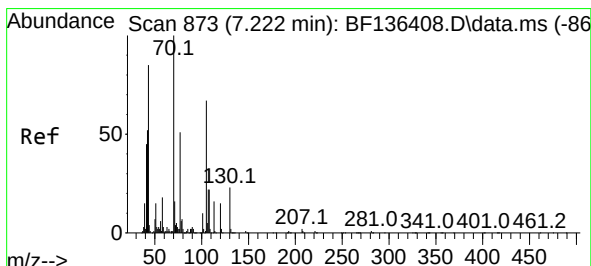
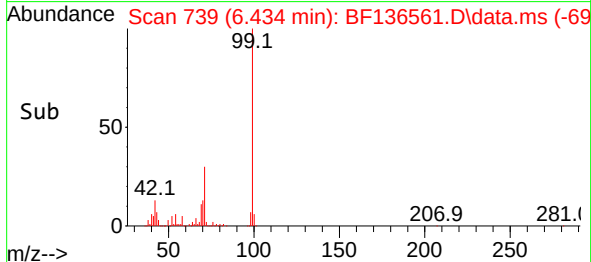
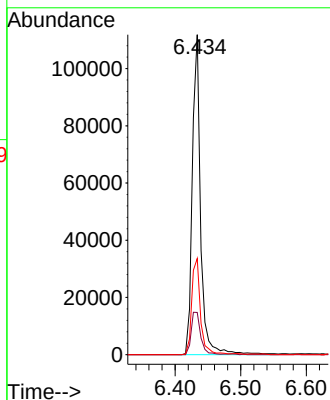
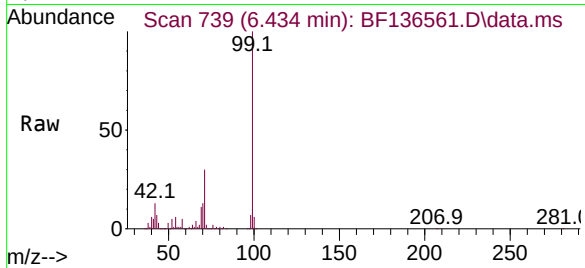




#7
Phenol-d6
Concen: 18.365 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

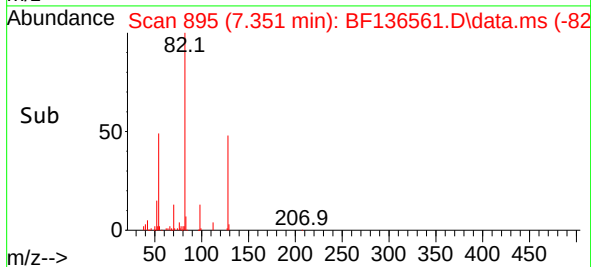
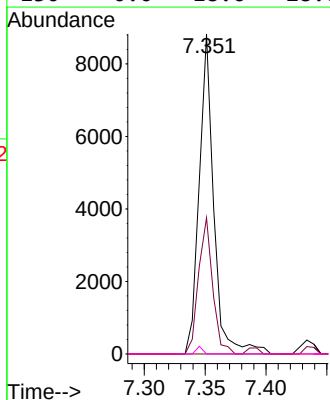
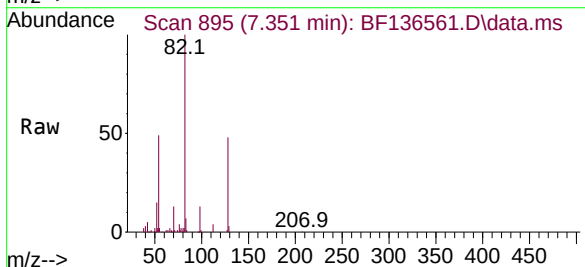
Instrument :
BNA_F
ClientSampleId :
TUDOR

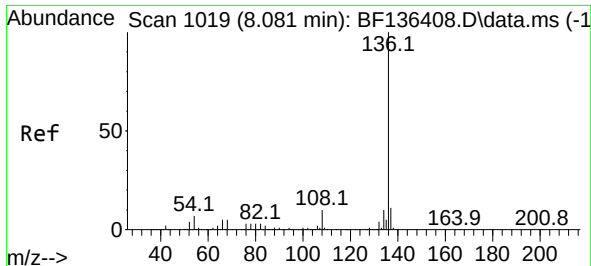
Tgt Ion: 99 Resp: 98769
Ion Ratio Lower Upper
99 100
42 13.2 12.8 19.2
71 30.1 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.367 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

Tgt Ion: 70 Resp: 7342
Ion Ratio Lower Upper
70 100
42 42.6 41.4 62.0
101 0.0 8.2 12.4#
130 0.0 18.6 28.0#



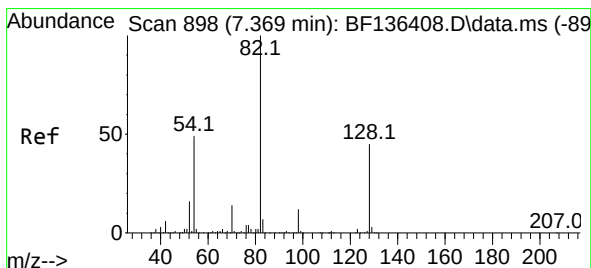
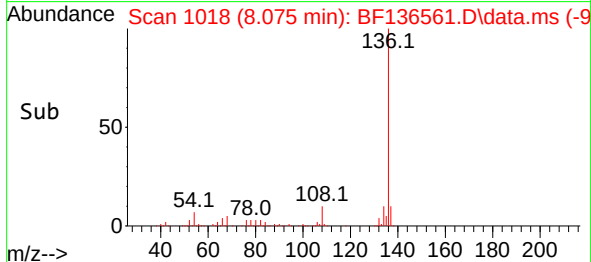
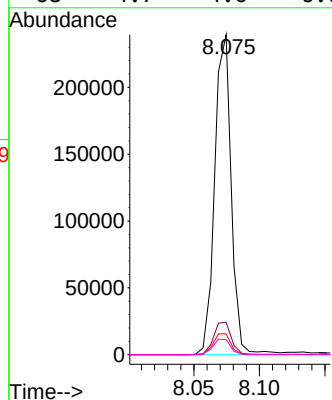
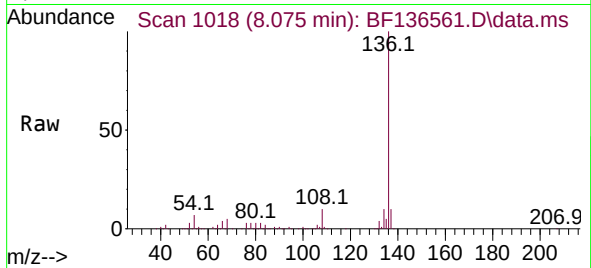


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

Instrument :
BNA_F
ClientSampleId :
TUDOR

Tgt Ion:136 Resp: 209921

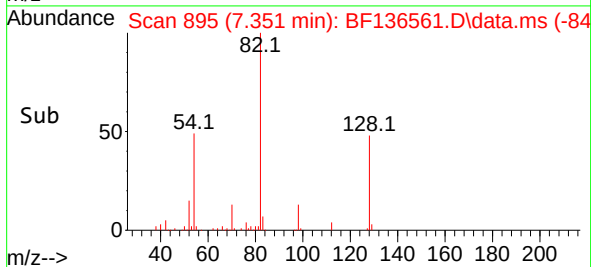
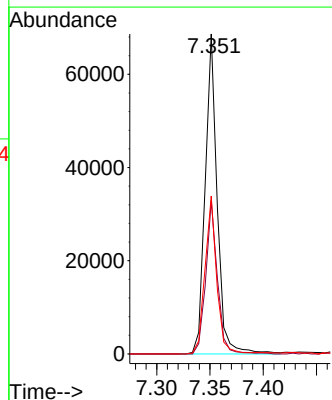
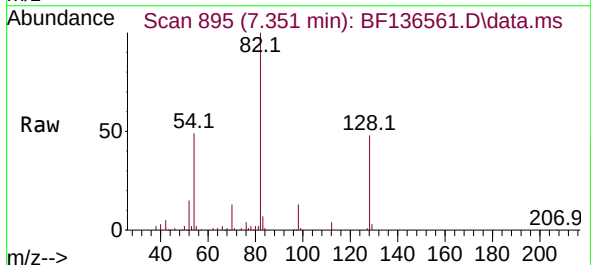
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.6	12.8
54	6.5	5.7	8.5
68	4.7	4.0	6.0

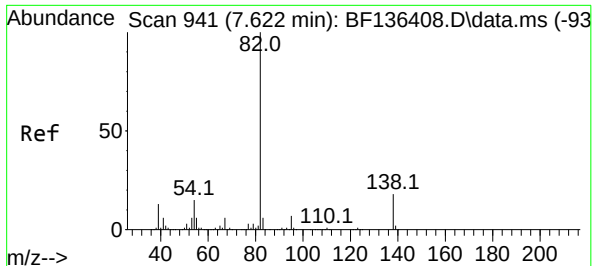


#23
Nitrobenzene-d5
Concen: 13.924 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

Tgt Ion: 82 Resp: 54068

Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.3	54.5
54	49.4	39.0	58.6

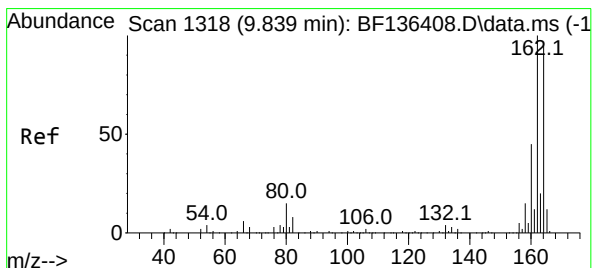
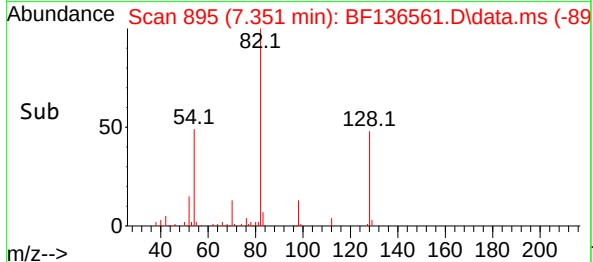
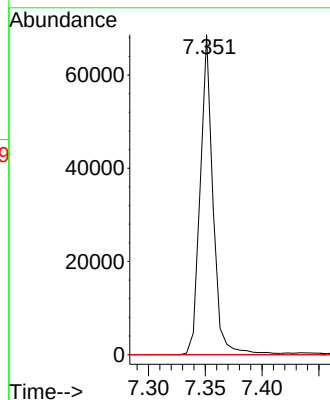
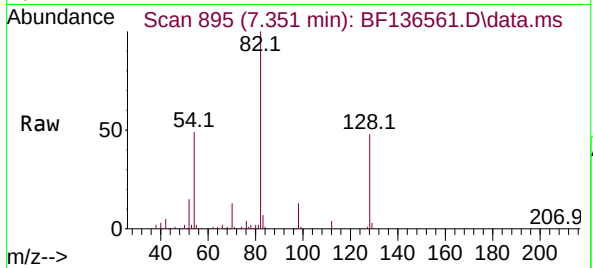




#25
Isophorone
Concen: 7.750 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

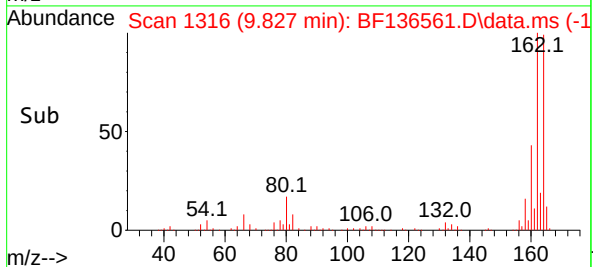
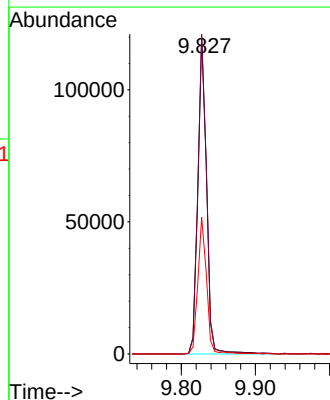
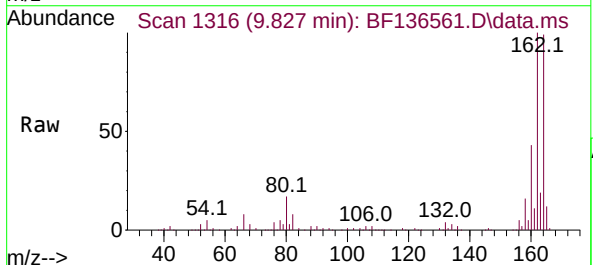
Instrument :
BNA_F
ClientSampleId :
TUDOR

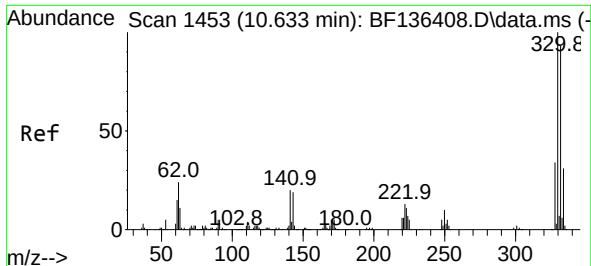
Tgt Ion: 82 Resp: 54067
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

Tgt Ion:164 Resp: 97029
Ion Ratio Lower Upper
164 100
162 100.9 84.4 126.6
160 43.1 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 15.366 ng

RT: 10.621 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF136561.D

Acq: 14 Dec 2023 03:38

Instrument :

BNA_F

ClientSampleId :

TUDOR

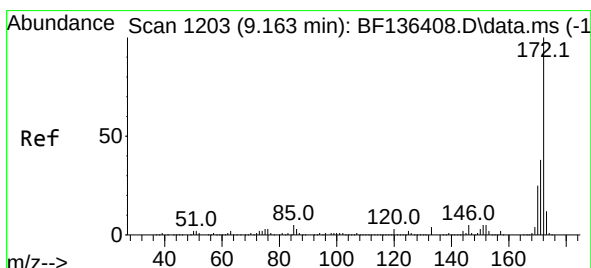
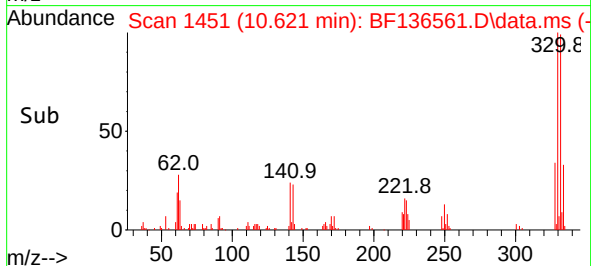
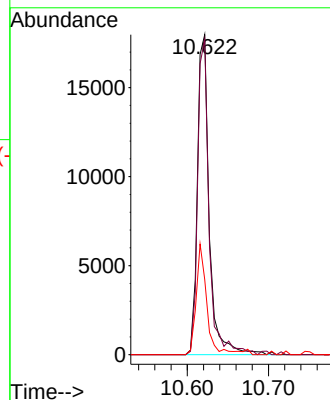
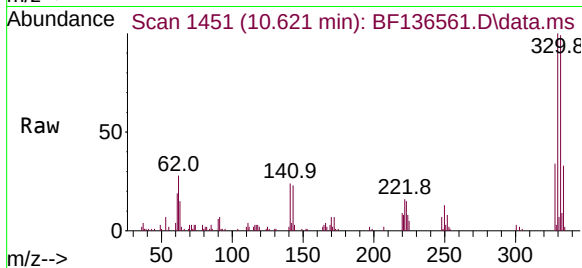
Tgt Ion:330 Resp: 18384

Ion Ratio Lower Upper

330 100

332 94.6 76.4 114.6

141 30.3 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 14.853 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF136561.D

Acq: 14 Dec 2023 03:38

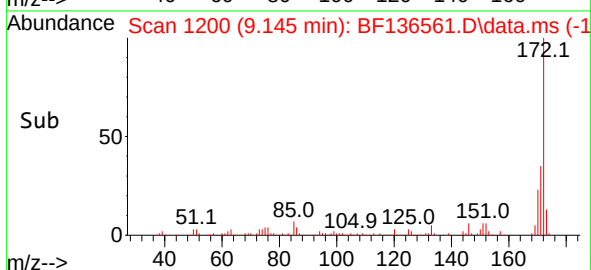
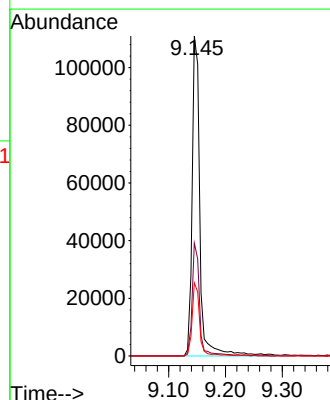
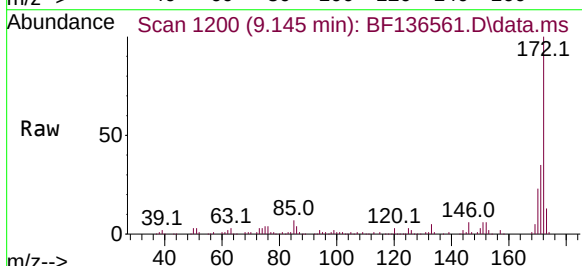
Tgt Ion:172 Resp: 105622

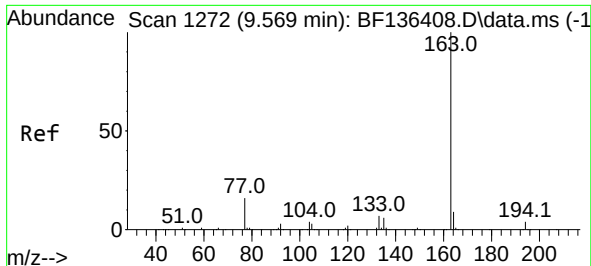
Ion Ratio Lower Upper

172 100

171 35.3 30.5 45.7

170 22.9 19.9 29.9

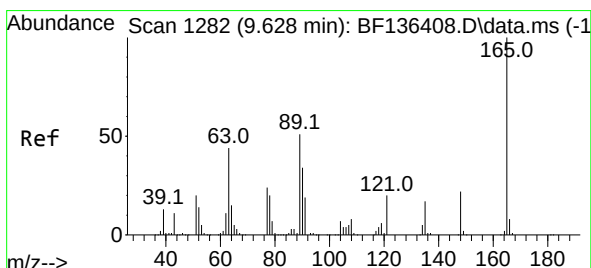
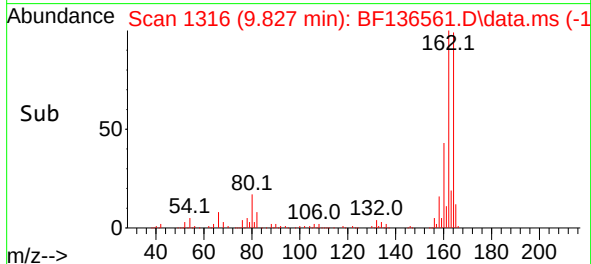
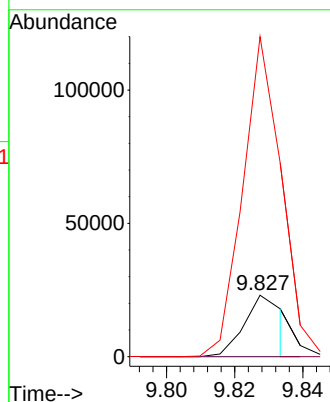
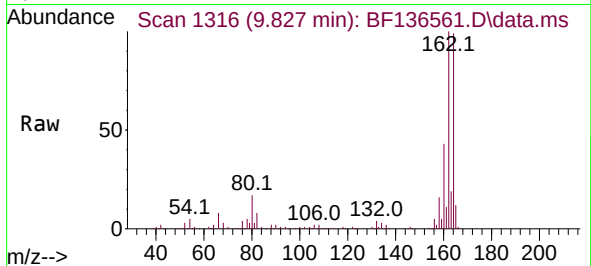




#50
Dimethylphthalate
Concen: 2.528 ng
RT: 9.827 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

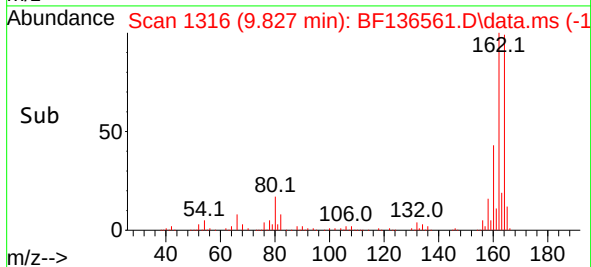
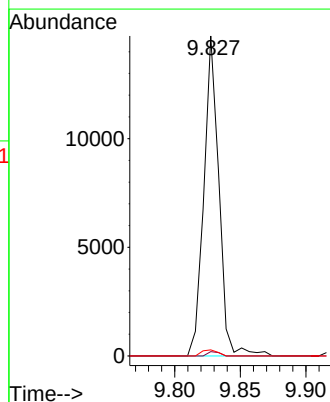
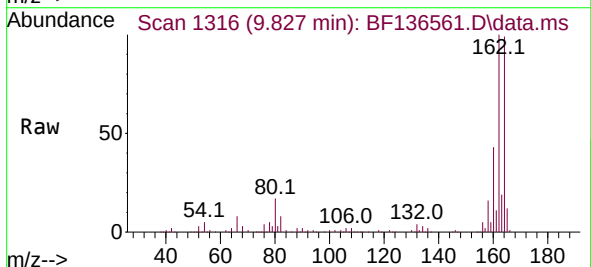
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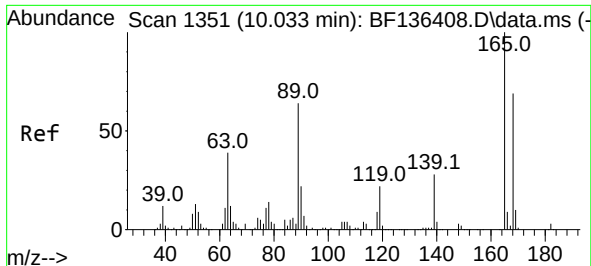
Tgt Ion:163 Resp: 18057
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 521.1 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.354 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

Tgt Ion:165 Resp: 11819
Ion Ratio Lower Upper
165 100
63 1.4 40.4 60.6#
89 1.9 40.6 60.8#

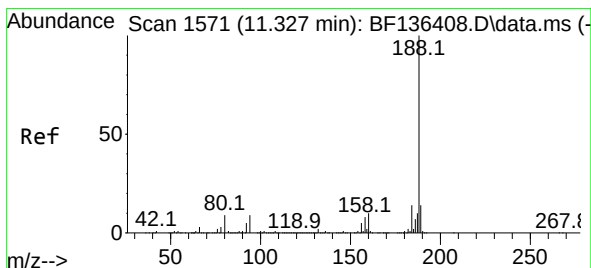
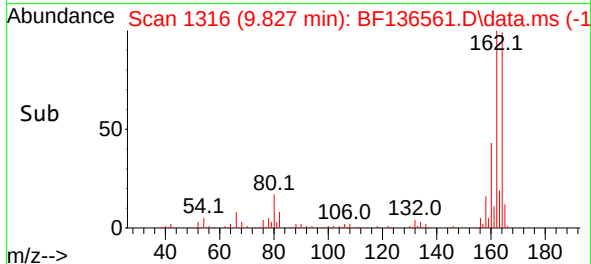
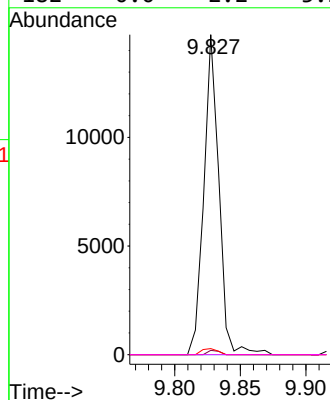
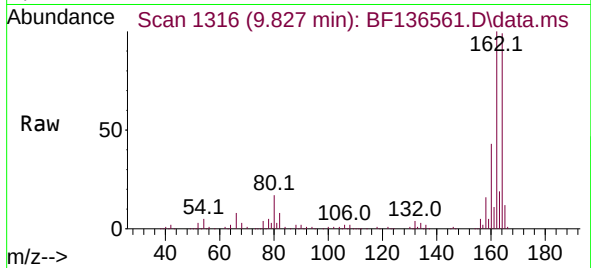




#57
2,4-Dinitrotoluene
Concen: 5.559 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

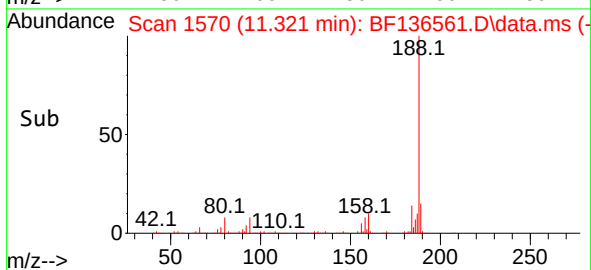
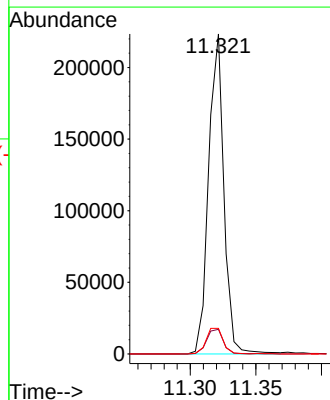
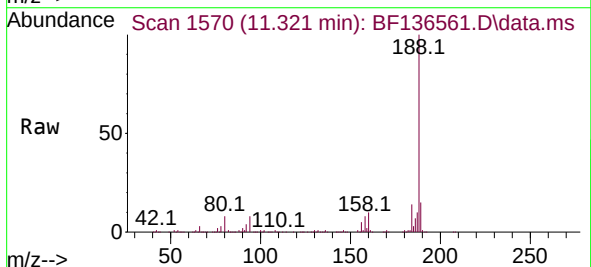
Instrument :
BNA_F
ClientSampleId :
TUDOR

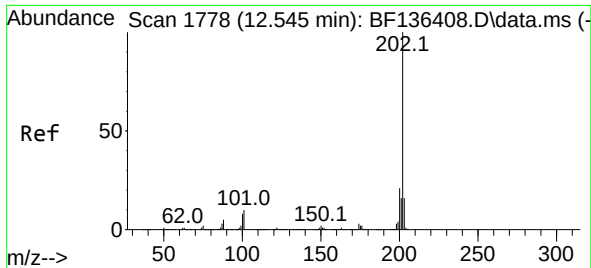
Tgt Ion:165 Resp: 11819
Ion Ratio Lower Upper
165 100
63 1.4 31.4 47.2#
89 1.9 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

Tgt Ion:188 Resp: 181458
Ion Ratio Lower Upper
188 100
94 7.7 7.2 10.8
80 8.0 7.2 10.8

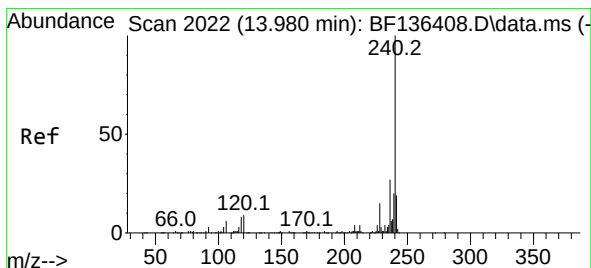
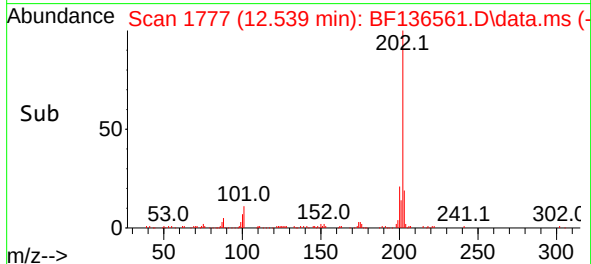
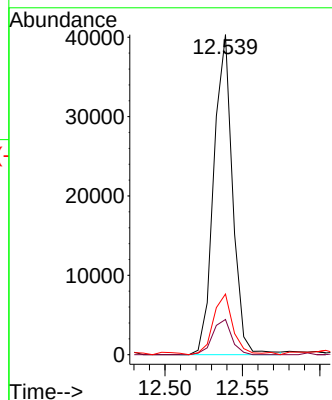
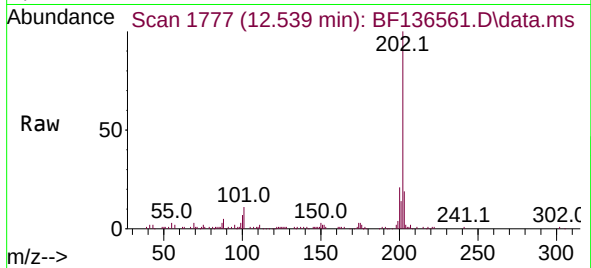




#75
Fluoranthene
Concen: 3.258 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

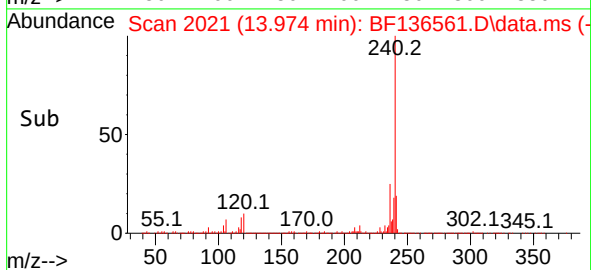
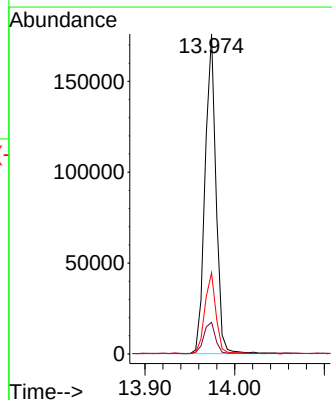
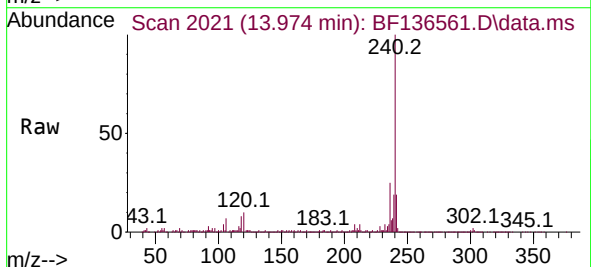
Instrument :
BNA_F
ClientSampleId :
TUDOR

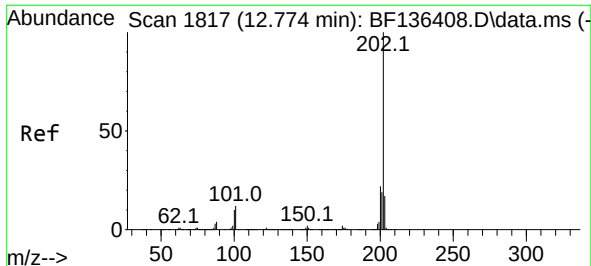
Tgt Ion:202 Resp: 34056
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.9
203 19.0 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

Tgt Ion:240 Resp: 148743
Ion Ratio Lower Upper
240 100
120 9.9 7.3 10.9
236 25.4 21.3 31.9

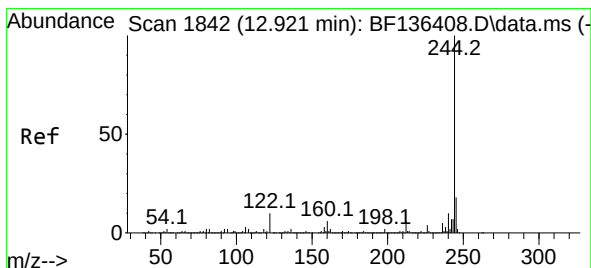
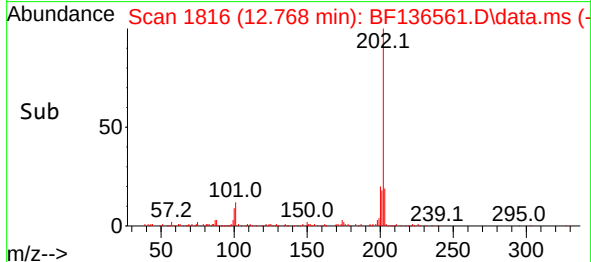
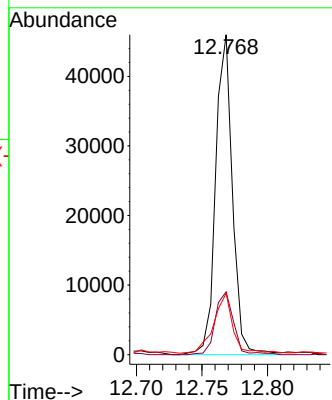
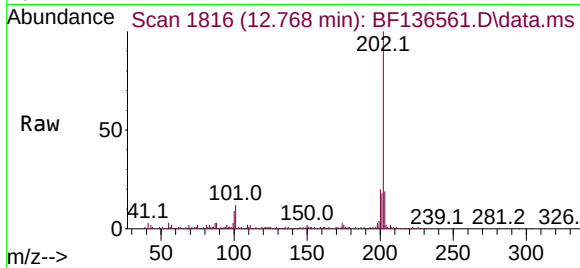




#78
Pyrene
Concen: 2.812 ng
RT: 12.768 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

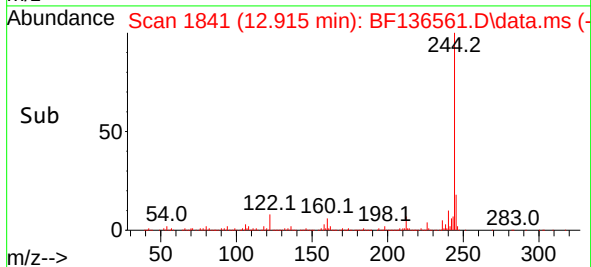
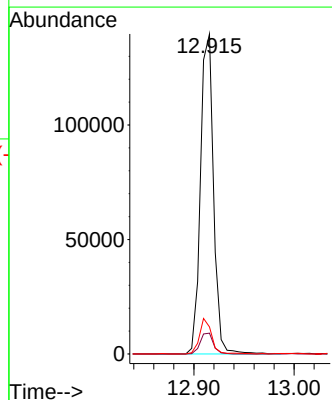
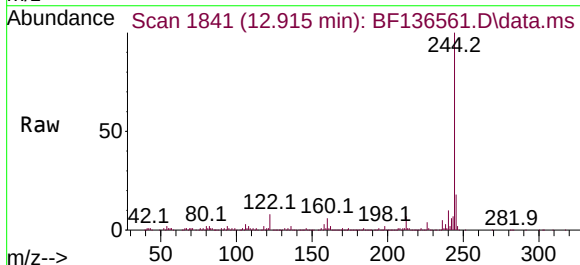
Instrument :
BNA_F
ClientSampleId :
TUDOR

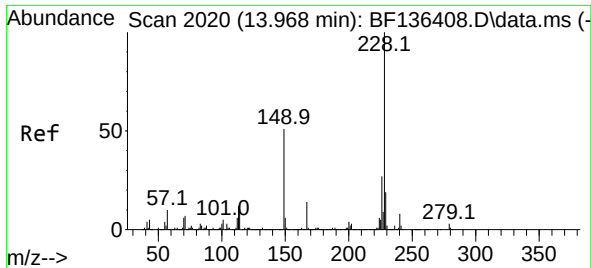
Tgt Ion:202 Resp: 40959
Ion Ratio Lower Upper
202 100
200 19.7 18.0 27.0
203 19.2 13.5 20.3



#79
Terphenyl-d14
Concen: 11.235 ng
RT: 12.915 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

Tgt Ion:244 Resp: 126792
Ion Ratio Lower Upper
244 100
212 6.5 5.0 7.4
122 8.4 8.3 12.5

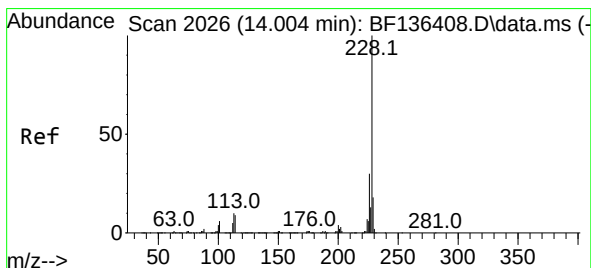
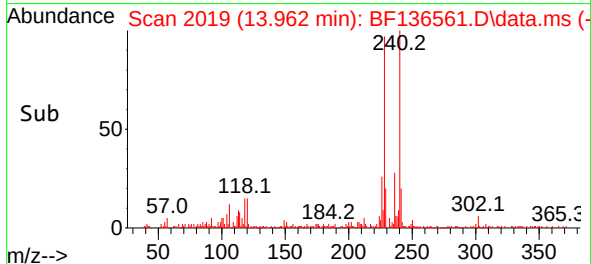
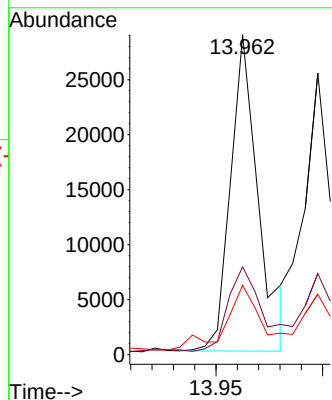
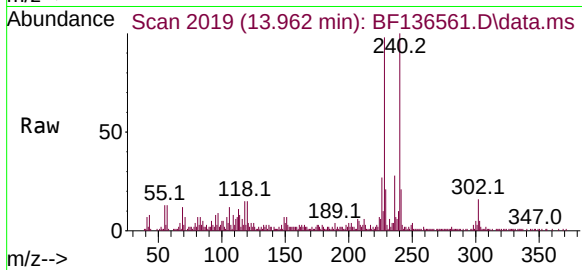




#81
Benzo(a)anthracene
Concen: 2.520 ng
RT: 13.962 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

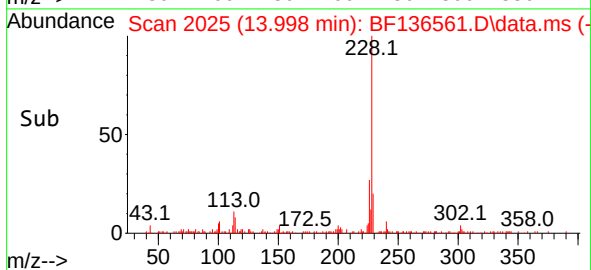
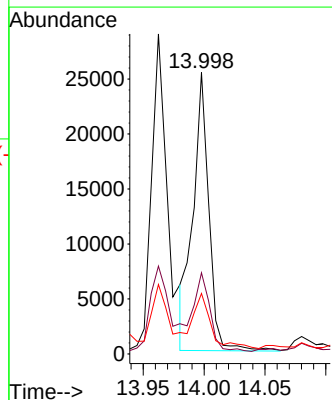
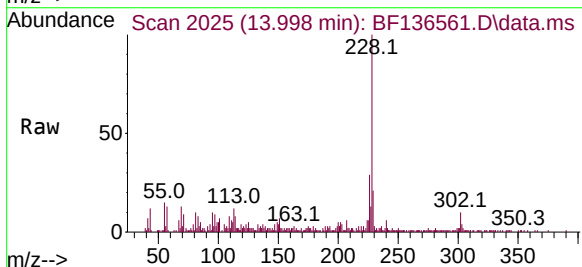
Instrument :
BNA_F
ClientSampleId :
TUDOR

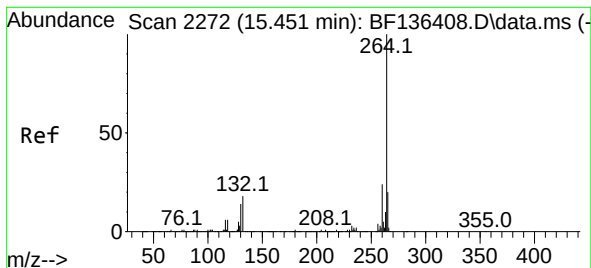
Tgt Ion:228 Resp: 26109
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.8
229 21.7 15.0 22.4



#83
Chrysene
Concen: 2.254 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

Tgt Ion:228 Resp: 22974
Ion Ratio Lower Upper
228 100
226 28.8 23.8 35.6
229 21.5 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.456 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136561.D

Acq: 14 Dec 2023 03:38

Instrument :

BNA_F

ClientSampleId :

TUDOR

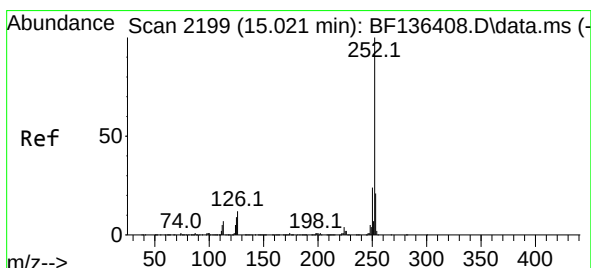
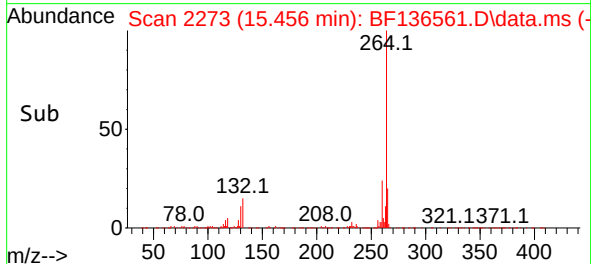
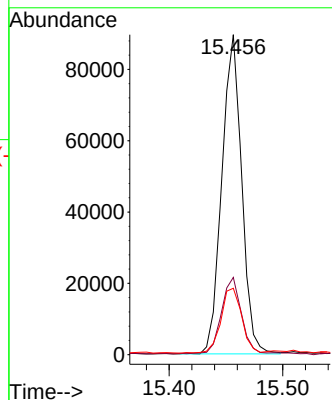
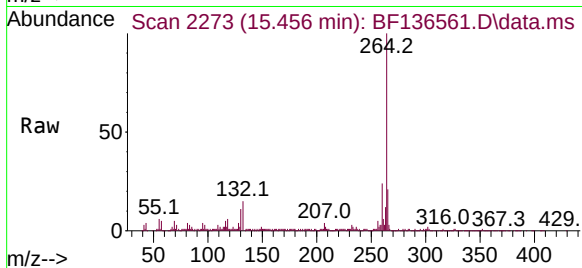
Tgt Ion:264 Resp: 108834

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 20.7 15.9 23.9



#88

Benzo(b)fluoranthene

Concen: 4.493 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF136561.D

Acq: 14 Dec 2023 03:38

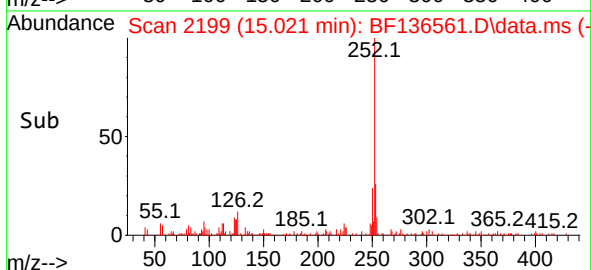
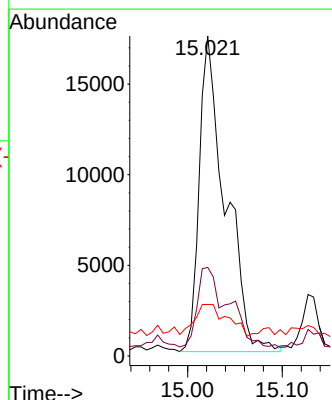
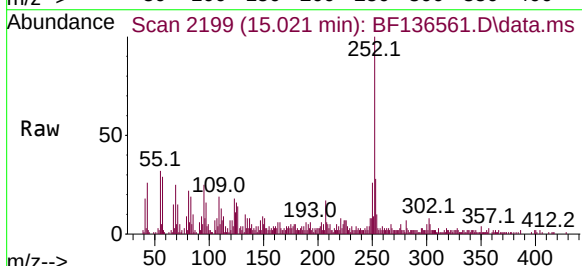
Tgt Ion:252 Resp: 33436

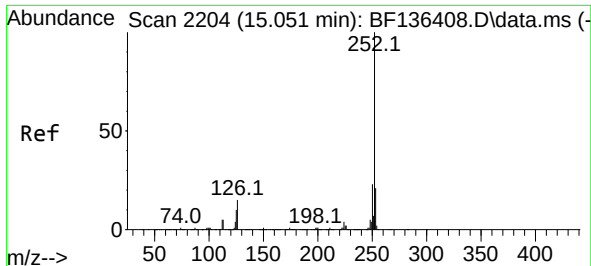
Ion Ratio Lower Upper

252 100

253 27.7 16.9 25.3#

125 16.1 7.4 11.2#

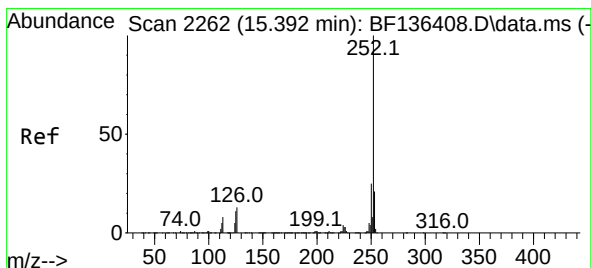
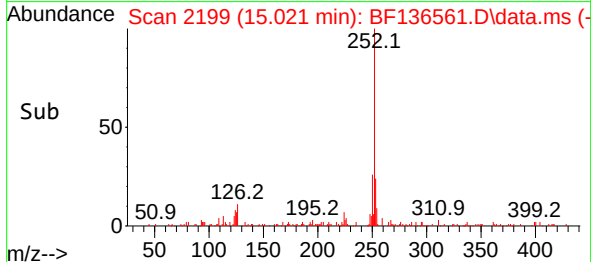
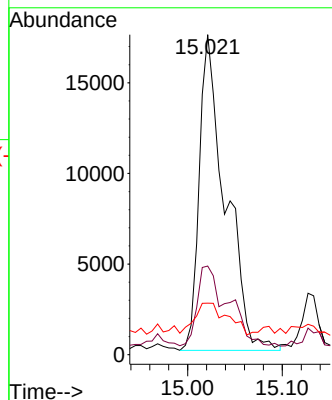
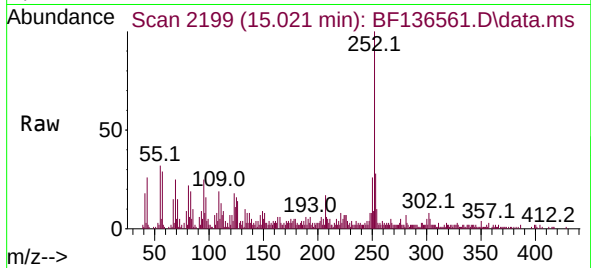




#89
Benzo(k)fluoranthene
Concen: 4.768 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.030 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

Instrument :
BNA_F
ClientSampleId :
TUDOR

Tgt Ion:252 Resp: 33436
Ion Ratio Lower Upper
252 100
253 27.7 16.9 25.3#
125 16.1 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 2.614 ng
RT: 15.392 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

Tgt Ion:252 Resp: 16063
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 20.2 8.6 13.0#

