

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136771.D
 Acq On : 27 Dec 2023 22:01
 Operator : CG\JU
 Sample : 05827-03RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 22:48:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

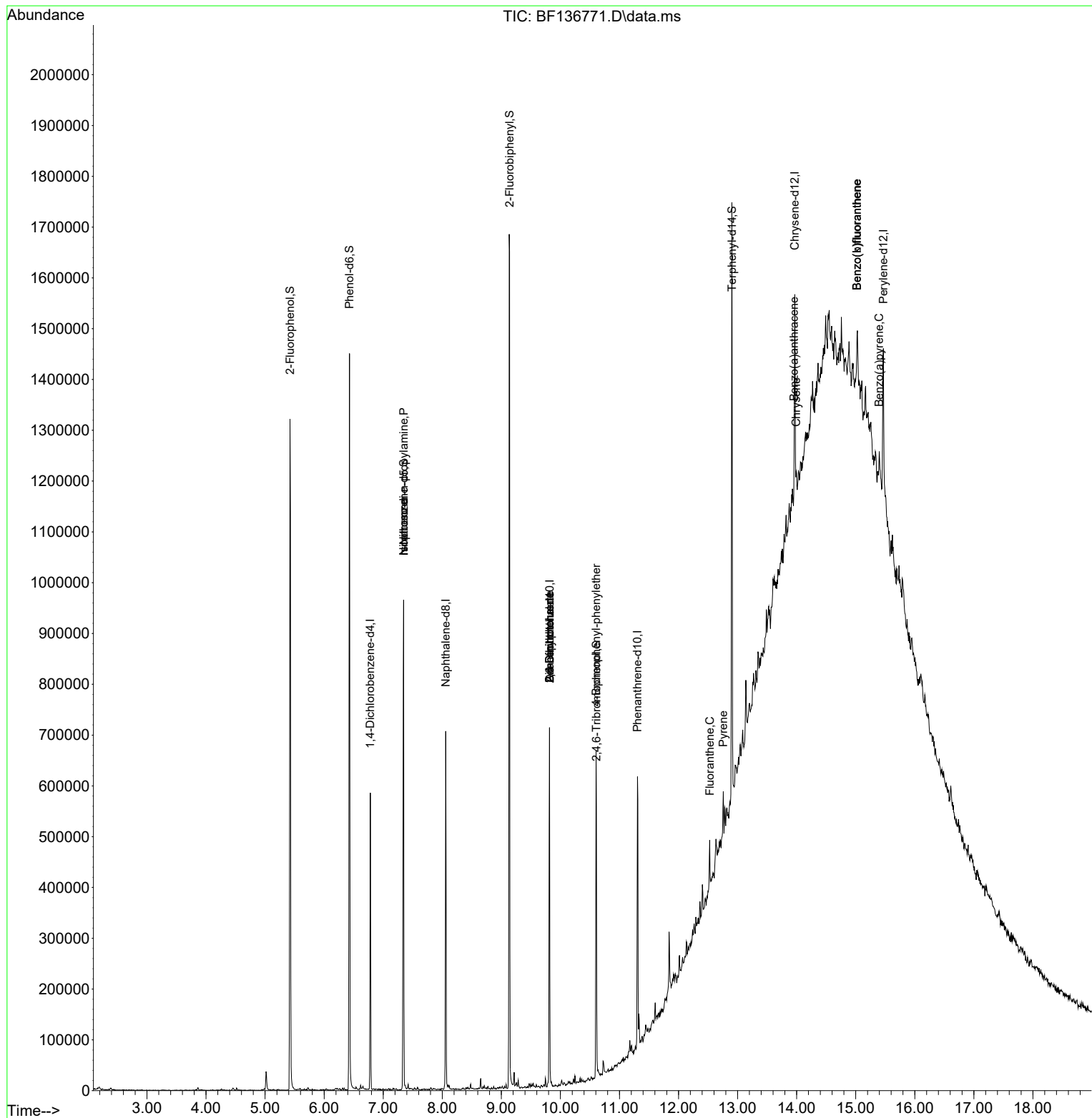
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	75465	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	278278	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	133388	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	210667	20.000	ng	-0.01
76) Chrysene-d12	13.969	240	132905	20.000	ng	0.00
86) Perylene-d12	15.468	264	151116	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	359597	74.349	ng	0.00
7) Phenol-d6	6.428	99	460140	73.422	ng	-0.01
23) Nitrobenzene-d5	7.345	82	292045	53.703	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	81932	52.155	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	567324	57.205	ng	-0.01
79) Terphenyl-d14	12.904	244	428449	45.051	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	39983	10.524	ng	# 73
25) Isophorone	7.345	82	292041	29.513	ng	# 65
50) Dimethylphthalate	9.816	163	26779	2.749	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	17563	7.943	ng	# 29
57) 2,4-Dinitrotoluene	9.816	165	17563	6.118	ng	# 20
67) 4-Bromophenyl-phenylether	10.604	248	4720	2.017	ng	# 1
75) Fluoranthene	12.527	202	36840	3.186	ng	93
78) Pyrene	12.757	202	35695	2.736	ng	# 93
81) Benzo(a)anthracene	13.957	228	21654	2.346	ng	# 86
83) Chrysene	13.992	228	21730	2.408	ng	# 81
88) Benzo(b)fluoranthene	15.021	252	32185	3.189	ng	# 33
89) Benzo(k)fluoranthene	15.021	252	32185	3.375	ng	# 31
90) Benzo(a)pyrene	15.398	252	17515	2.056	ng	# 22

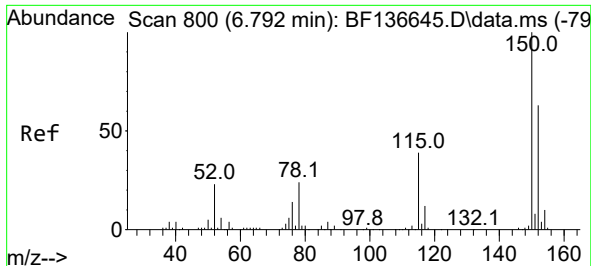
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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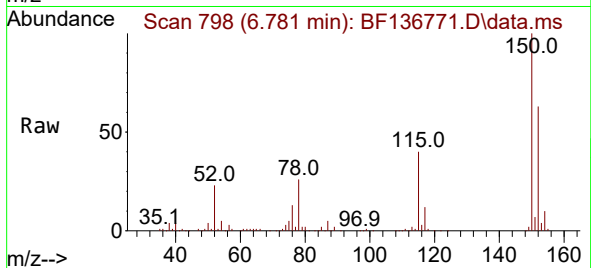
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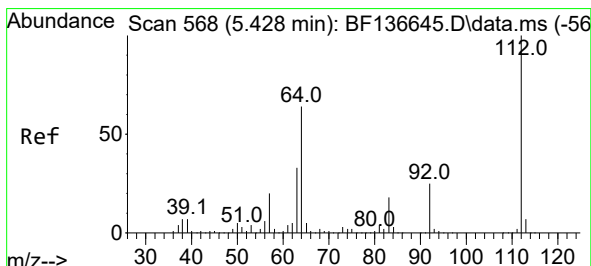
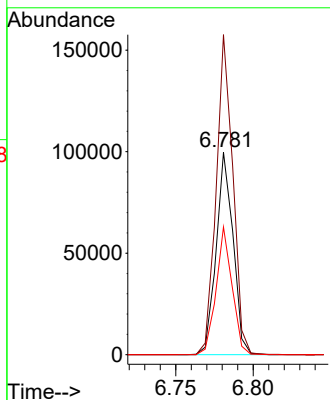
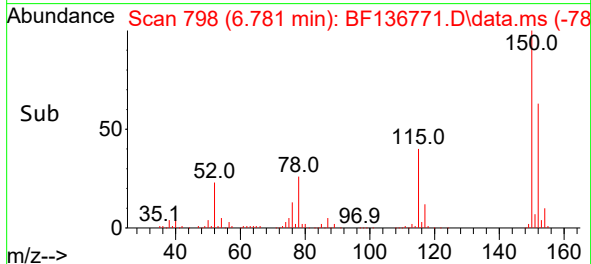


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01

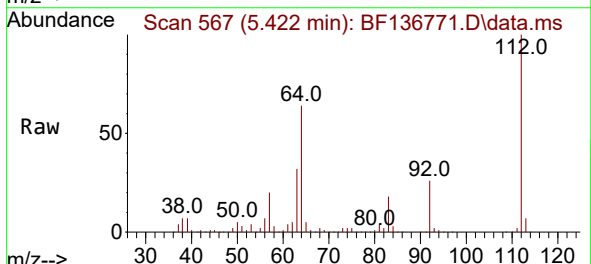
Instrument :
BNA_F
ClientSampleId :



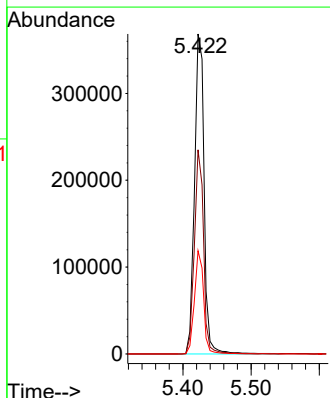
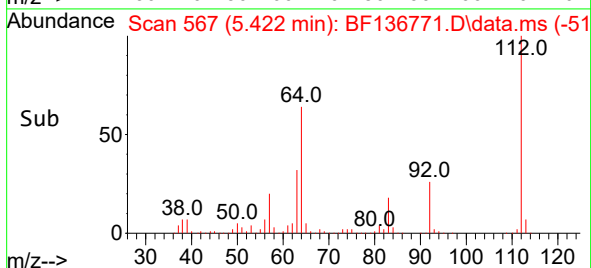
Tgt Ion:152 Resp: 75465
Ion Ratio Lower Upper
152 100
150 158.1 127.0 190.6
115 63.1 49.0 73.4

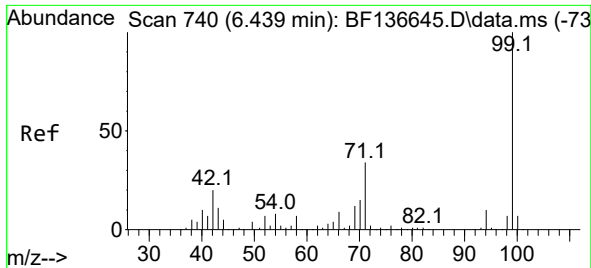


#5
2-Fluorophenol
Concen: 74.349 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01



Tgt Ion:112 Resp: 359597
Ion Ratio Lower Upper
112 100
64 63.8 51.1 76.7
63 32.2 26.1 39.1

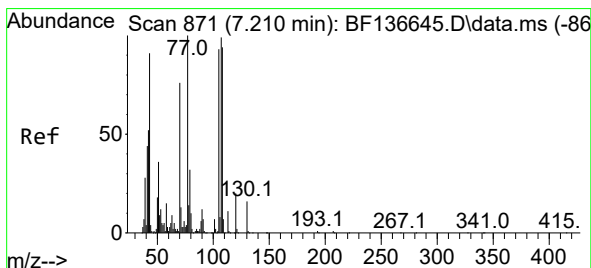
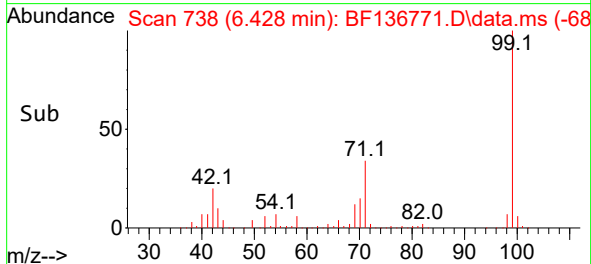
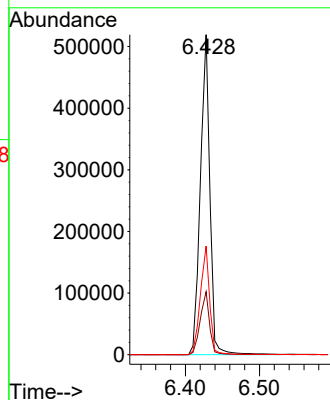
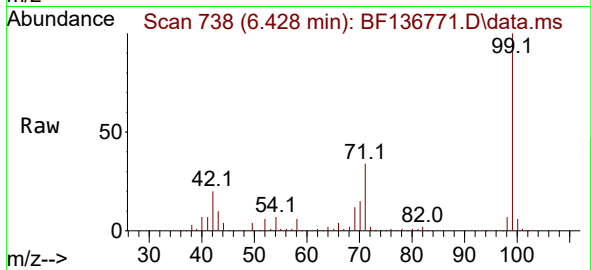




#7
Phenol-d6
Concen: 73.422 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01

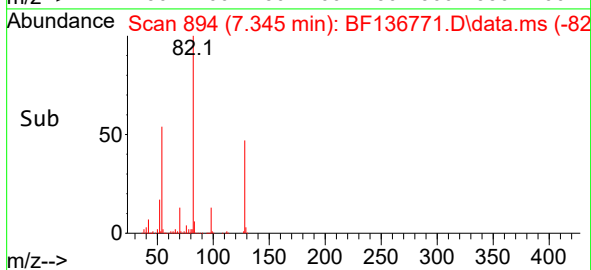
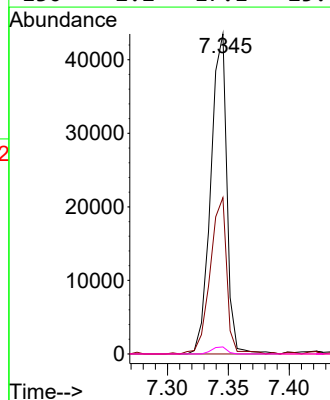
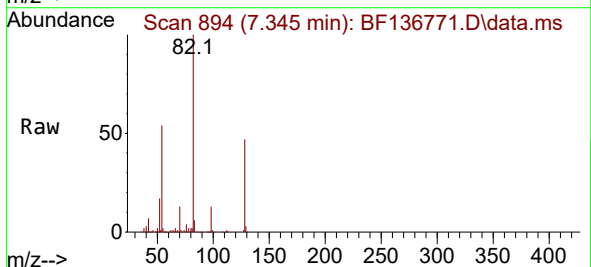
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 460140
Ion Ratio Lower Upper
99 100
42 19.7 16.1 24.1
71 34.0 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.524 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.136 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01

Tgt Ion: 70 Resp: 39983
Ion Ratio Lower Upper
70 100
42 48.9 54.2 81.4#
101 0.0 7.6 11.4#
130 2.2 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

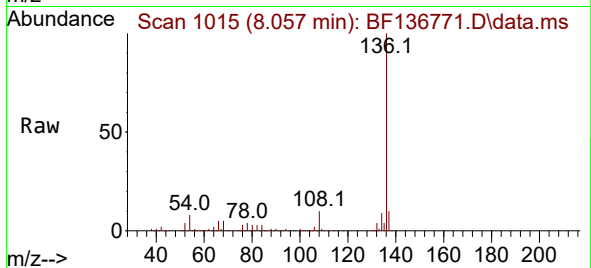
Lab File: BF136771.D

Acq: 27 Dec 2023 22:01

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 278278

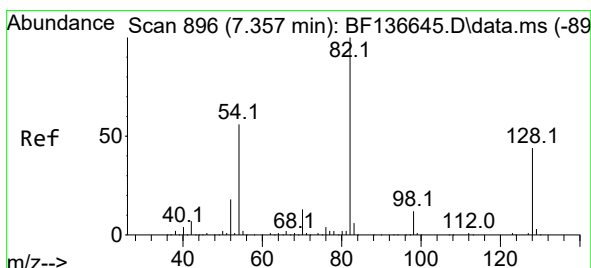
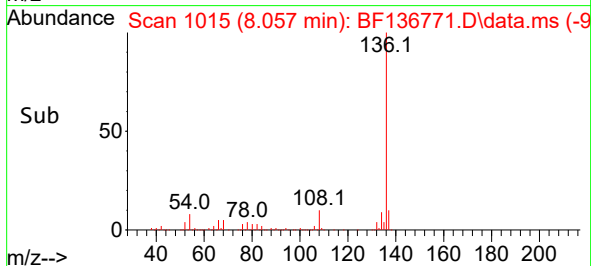
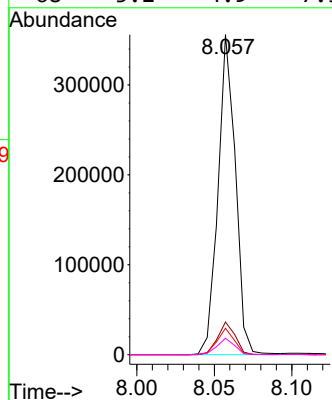
Ion Ratio Lower Upper

136 100

137 10.2 9.0 13.4

54 8.3 7.2 10.8

68 5.2 4.9 7.3



#23

Nitrobenzene-d5

Concen: 53.703 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136771.D

Acq: 27 Dec 2023 22:01

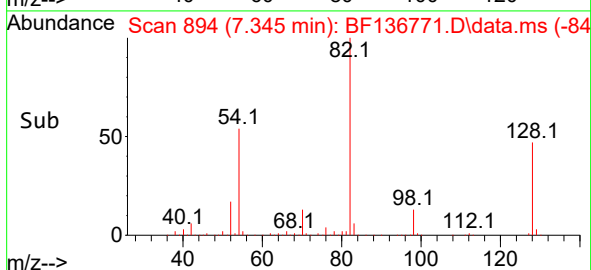
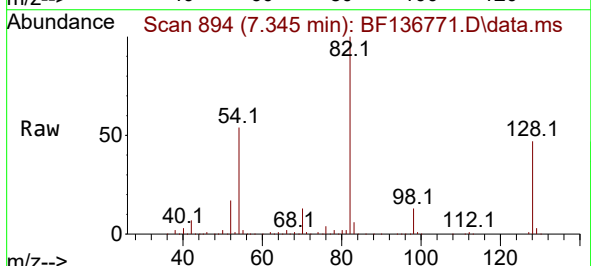
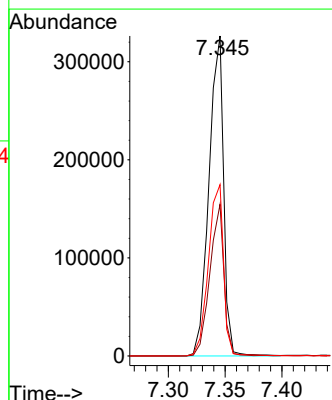
Tgt Ion: 82 Resp: 292045

Ion Ratio Lower Upper

82 100

128 47.4 35.3 52.9

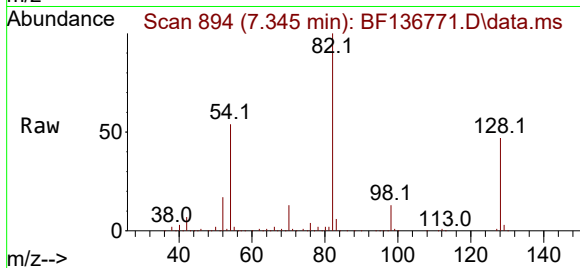
54 53.5 44.5 66.7



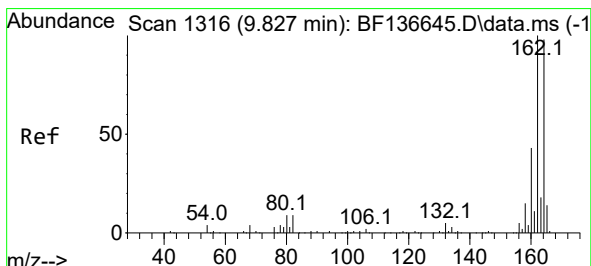
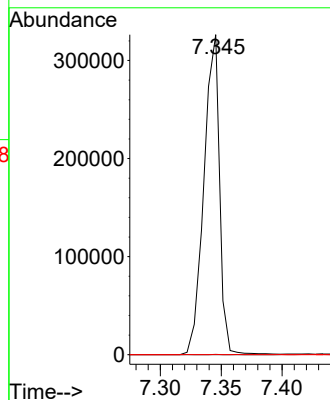
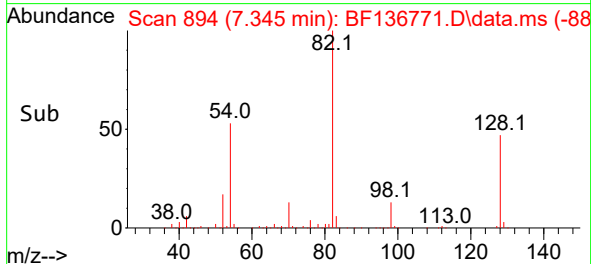


#25
Isophorone
Concen: 29.513 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01

Instrument :
BNA_F
ClientSampleId :

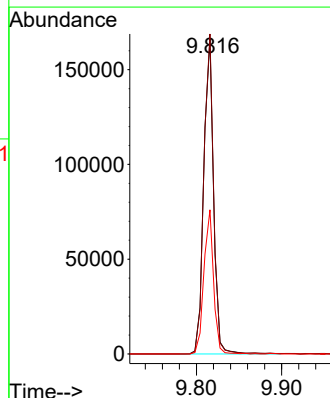
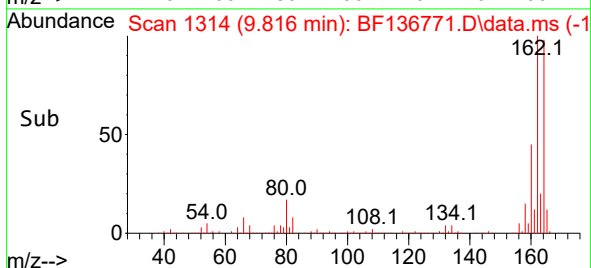
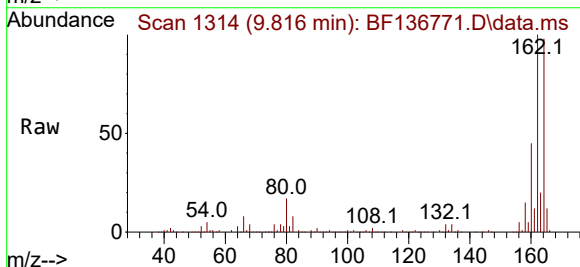


Tgt Ion: 82 Resp: 292041
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01

Tgt Ion:164 Resp: 133388
Ion Ratio Lower Upper
164 100
162 101.5 81.6 122.4
160 45.7 34.9 52.3



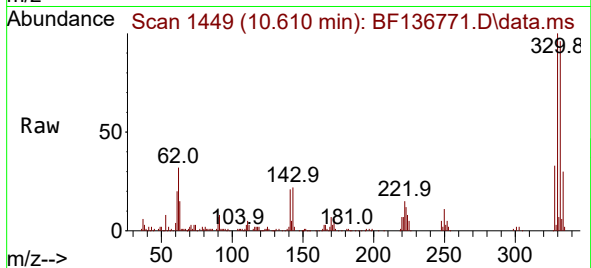


#42
2,4,6-Tribromophenol
Concen: 52.155 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01

Instrument :

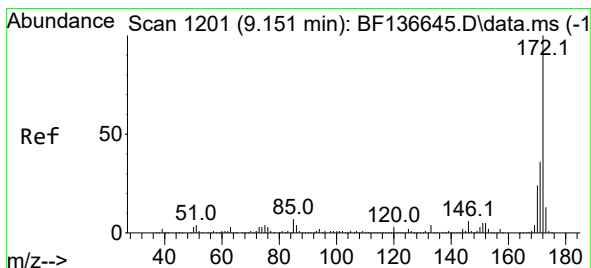
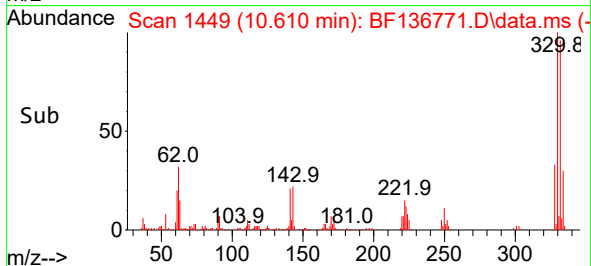
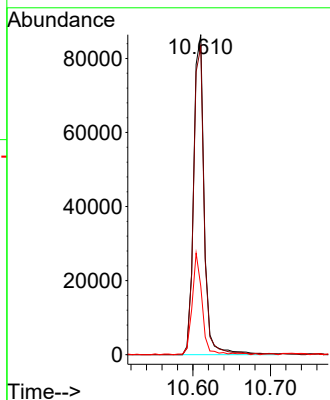
BNA_F

ClientSampleId :



Tgt Ion: 330 Resp: 81932

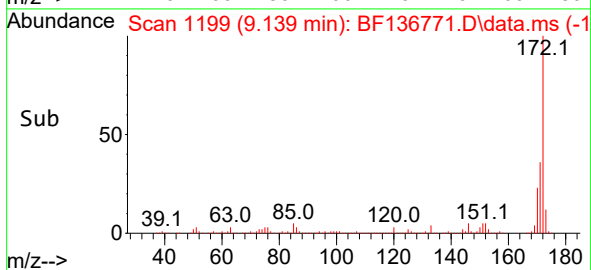
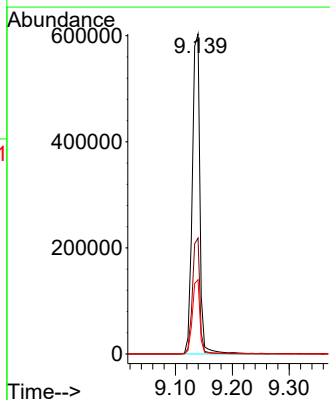
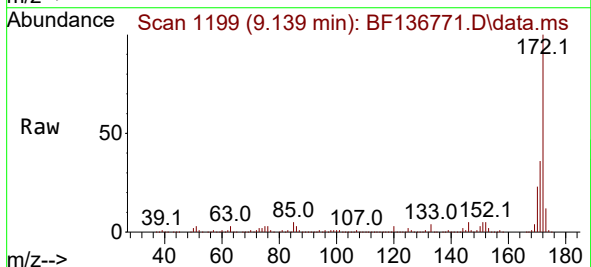
Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.0
141	30.0	23.4	35.2

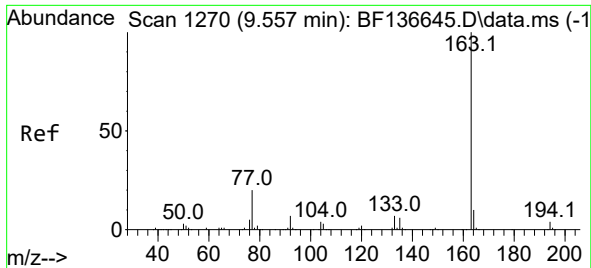


#45
2-Fluorobiphenyl
Concen: 57.205 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01

Tgt Ion: 172 Resp: 567324

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.6
170	23.2	19.0	28.4

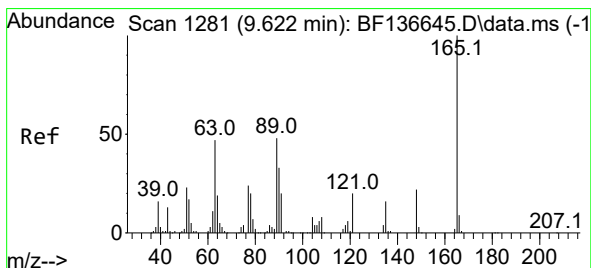
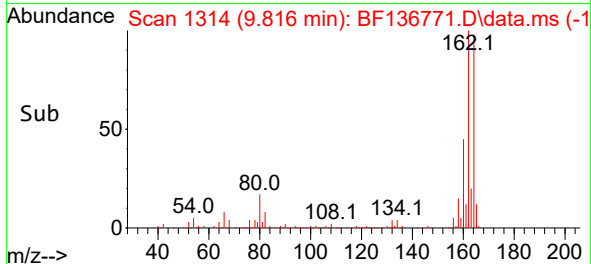
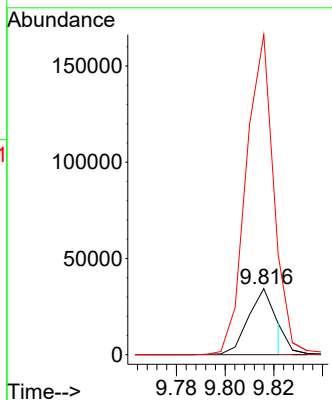
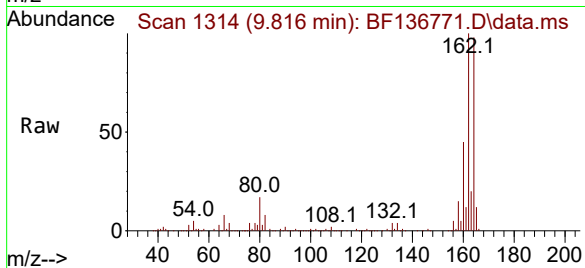




#50
Dimethylphthalate
Concen: 2.749 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01

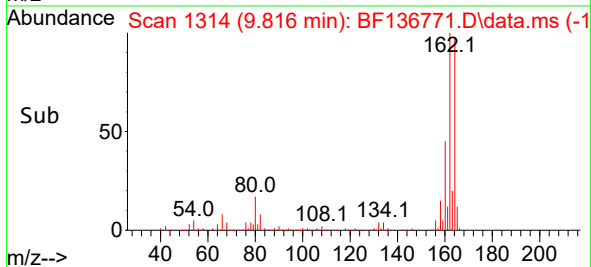
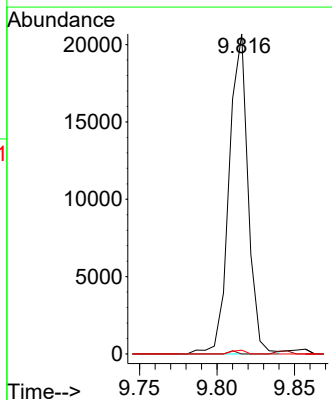
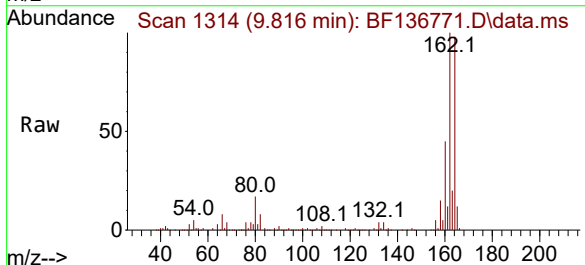
Instrument :
BNA_F
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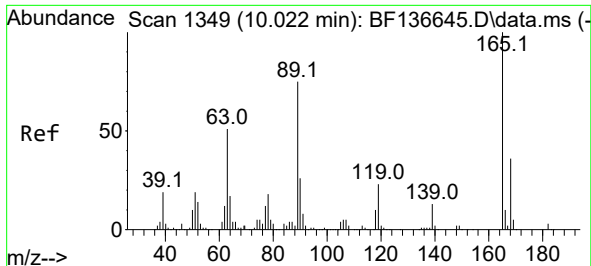
Tgt Ion:163 Resp: 26779
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 484.0 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.943 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01

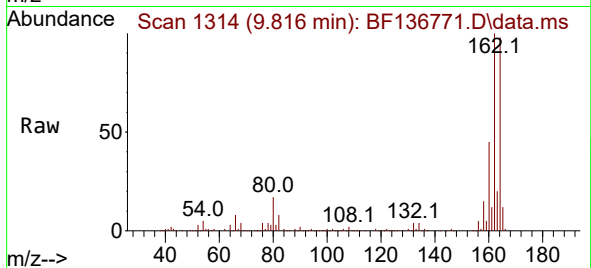
Tgt Ion:165 Resp: 17563
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 1.2 38.8 58.2#



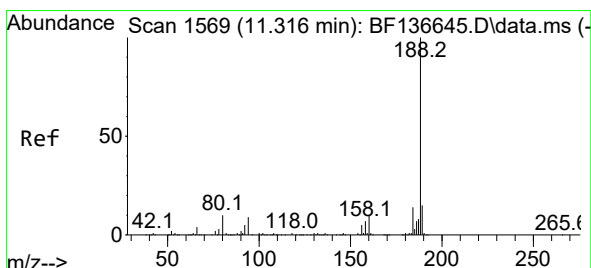
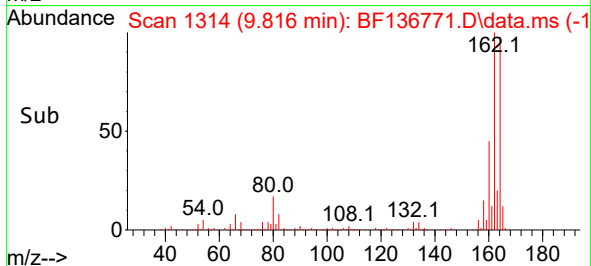
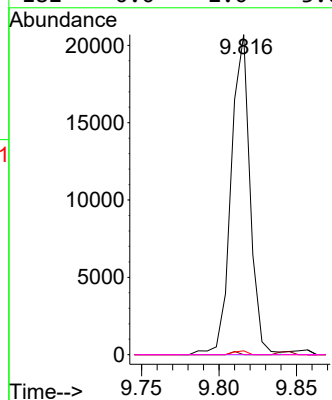


#57
2,4-Dinitrotoluene
Concen: 6.118 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01

Instrument :
BNA_F
ClientSampleId :

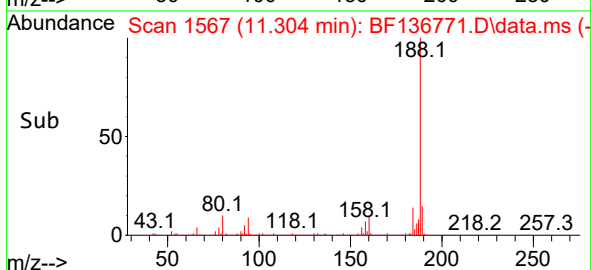
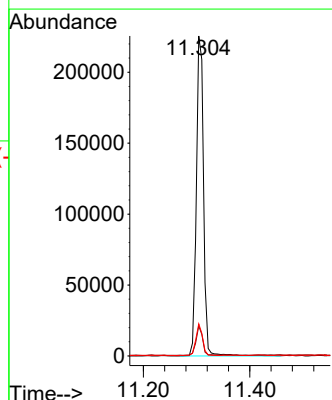
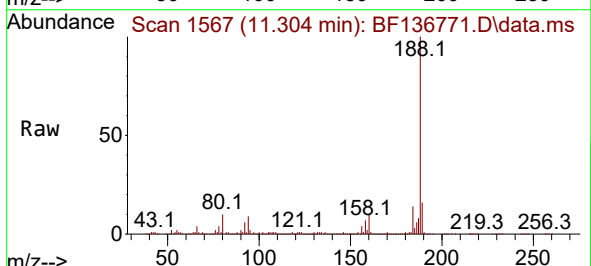


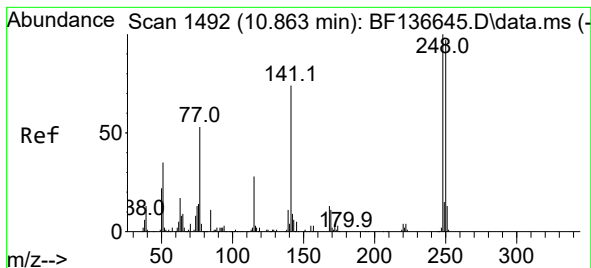
Tgt Ion:165 Resp: 17563
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 1.2 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01

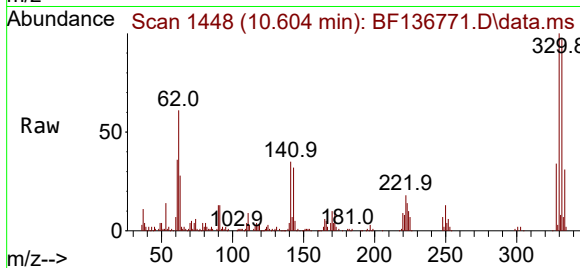
Tgt Ion:188 Resp: 210667
Ion Ratio Lower Upper
188 100
94 9.4 7.5 11.3
80 10.0 8.1 12.1



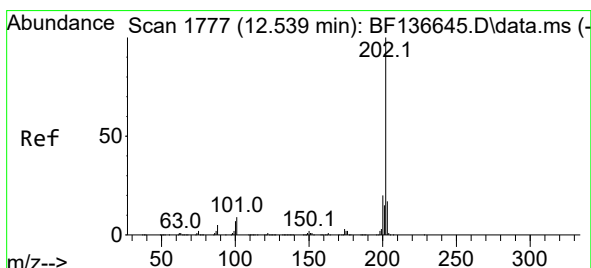
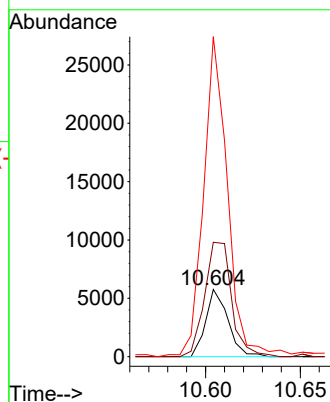
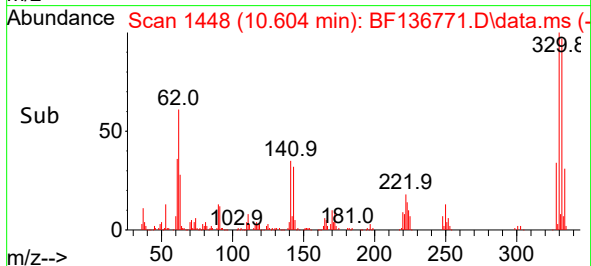


#67
4-Bromophenyl-phenylether
Concen: 2.017 ng
RT: 10.604 min Scan# 1492
Delta R.T. -0.259 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01

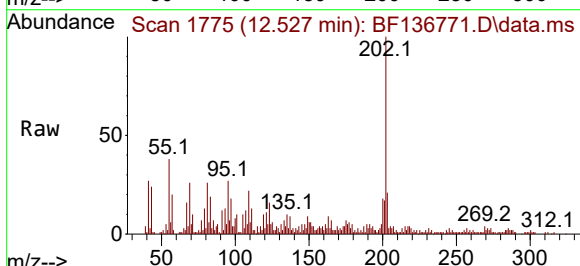
Instrument :
BNA_F
ClientSampleId :



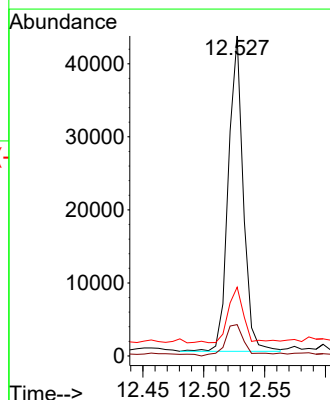
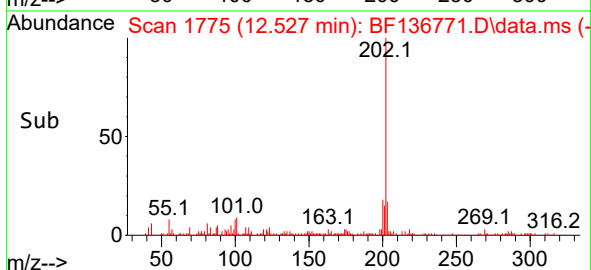
Tgt Ion:248 Resp: 4720
Ion Ratio Lower Upper
248 100
250 170.3 77.8 116.6#
141 476.1 59.2 88.8#

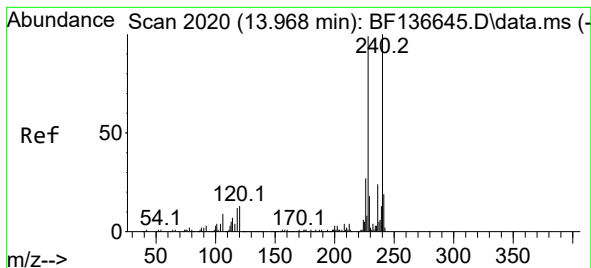


#75
Fluoranthene
Concen: 3.186 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01



Tgt Ion:202 Resp: 36840
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.3
203 21.5 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136771.D

Acq: 27 Dec 2023 22:01

Instrument :

BNA_F

ClientSampleId :

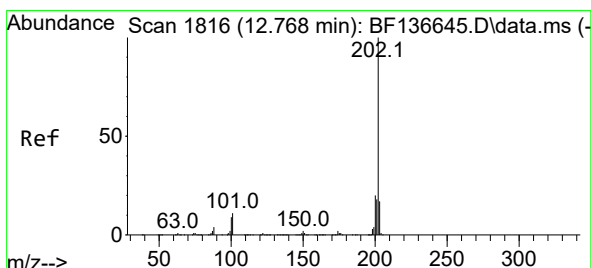
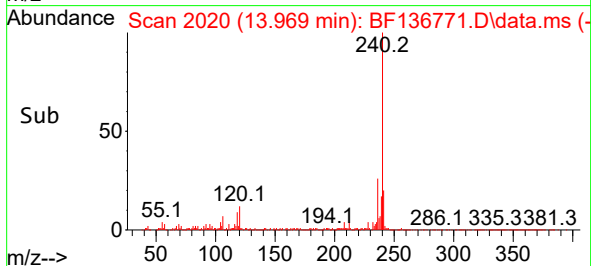
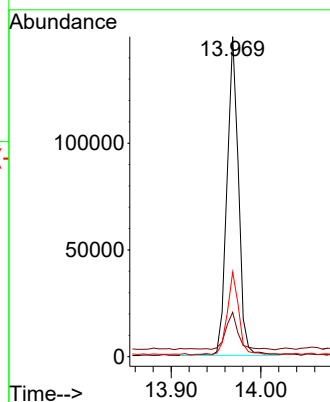
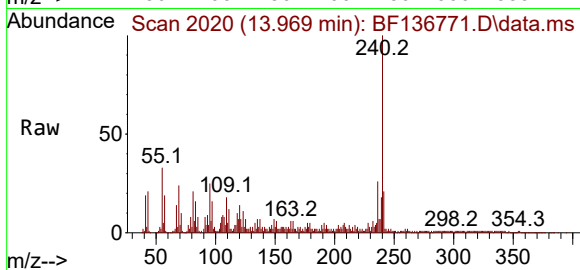
Tgt Ion:240 Resp: 132905

Ion Ratio Lower Upper

240 100

120 13.9 10.3 15.5

236 26.5 19.4 29.2



#78

Pyrene

Concen: 2.736 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136771.D

Acq: 27 Dec 2023 22:01

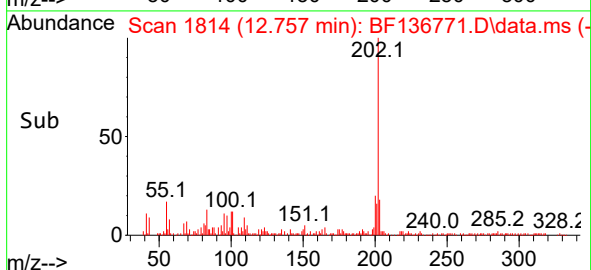
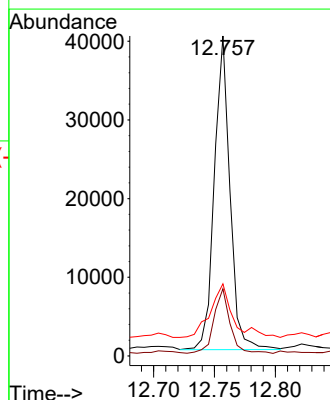
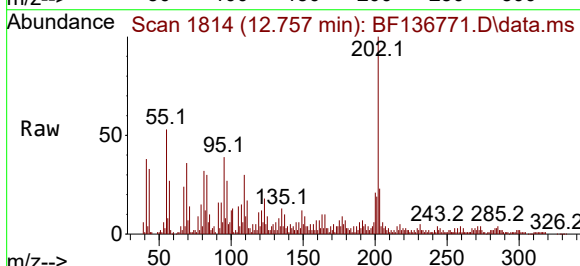
Tgt Ion:202 Resp: 35695

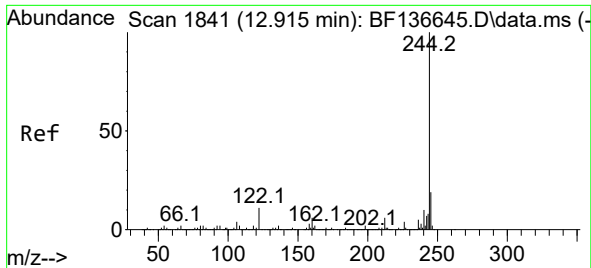
Ion Ratio Lower Upper

202 100

200 21.0 15.9 23.9

203 22.6 13.8 20.6#

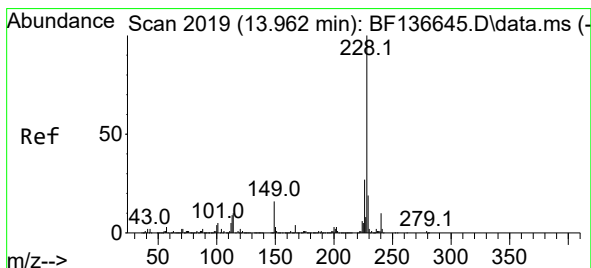
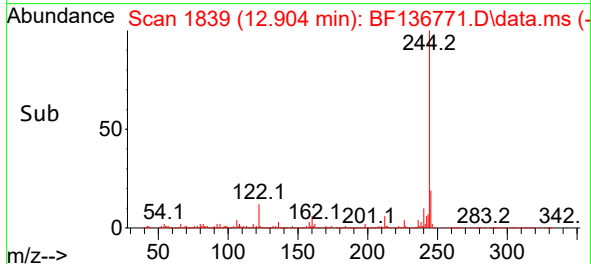
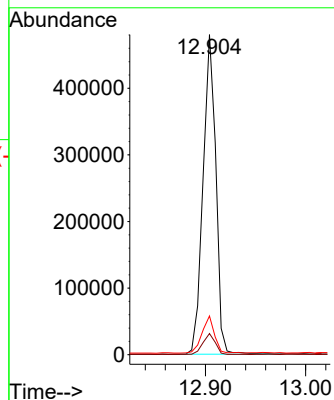
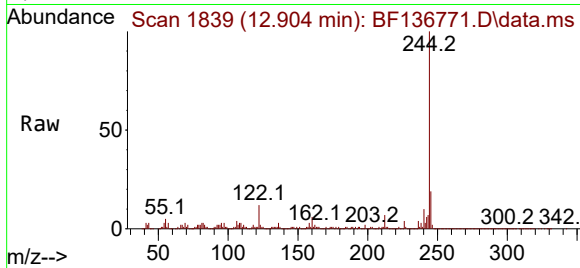




#79
 Terphenyl-d14
 Concen: 45.051 ng
 RT: 12.904 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136771.D
 Acq: 27 Dec 2023 22:01

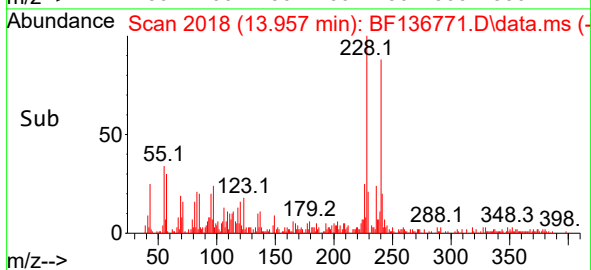
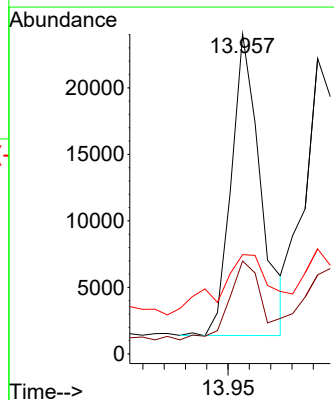
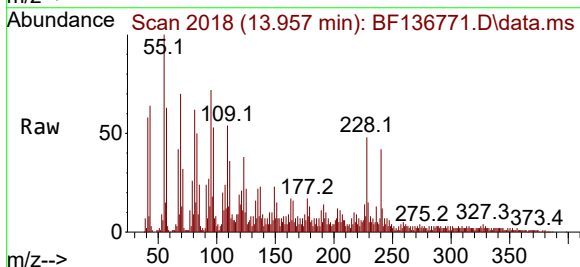
Instrument :
 BNA_F
 ClientSampleId :

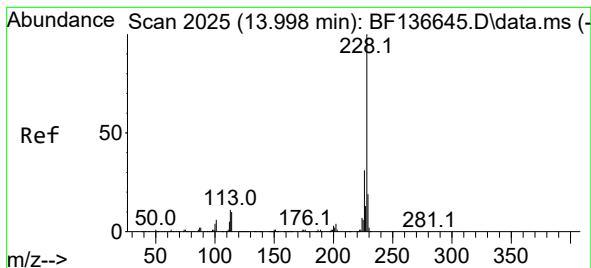
Tgt Ion:244 Resp: 428449
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 12.1 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 2.346 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF136771.D
 Acq: 27 Dec 2023 22:01

Tgt Ion:228 Resp: 21654
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.4 32.0
 229 31.0 14.9 22.3#





#83

Chrysene

Concen: 2.408 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136771.D

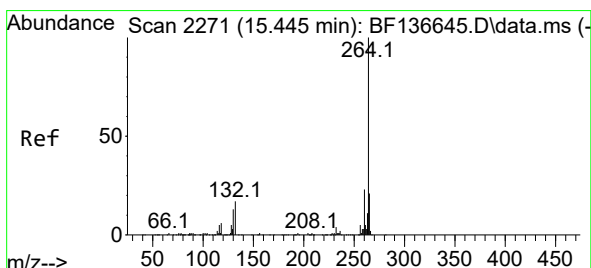
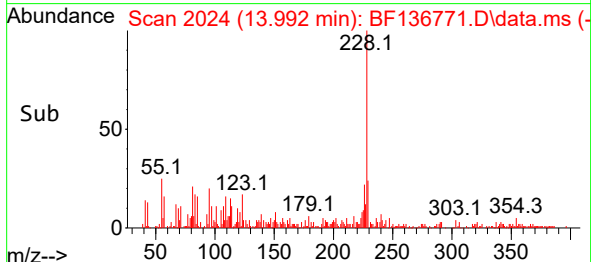
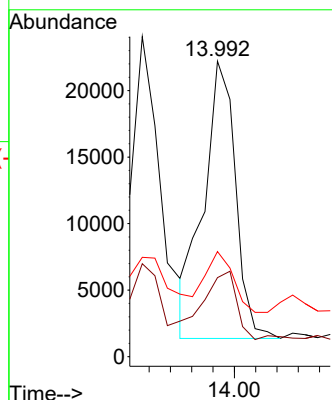
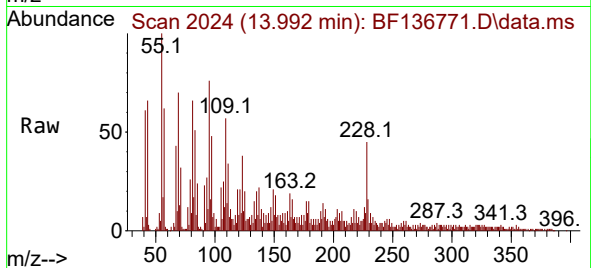
Acq: 27 Dec 2023 22:01

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:228	Resp:	21730
Ion Ratio	Lower	Upper
228	100	
226	26.7	24.7 37.1
229	35.6	15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

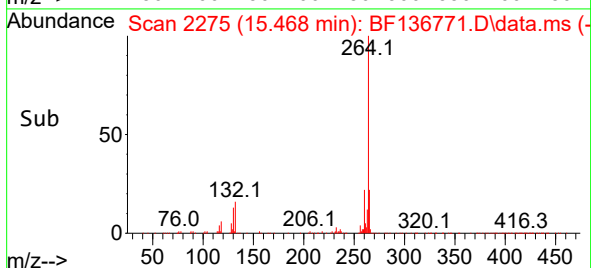
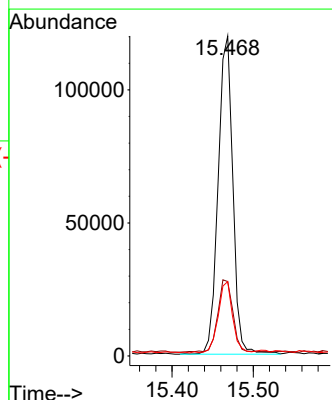
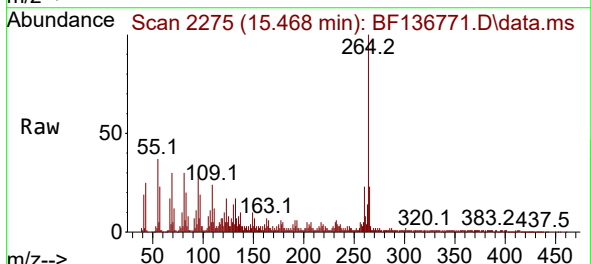
RT: 15.468 min Scan# 2275

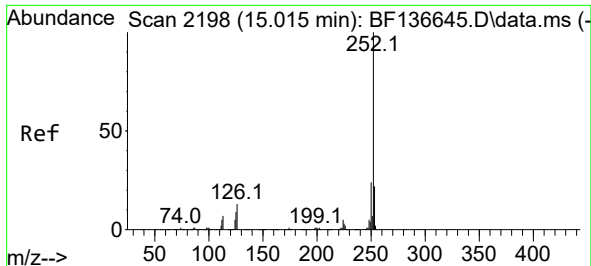
Delta R.T. 0.024 min

Lab File: BF136771.D

Acq: 27 Dec 2023 22:01

Tgt Ion:264	Resp:	151116
Ion Ratio	Lower	Upper
264	100	
260	23.3	18.3 27.5
265	23.2	17.0 25.6

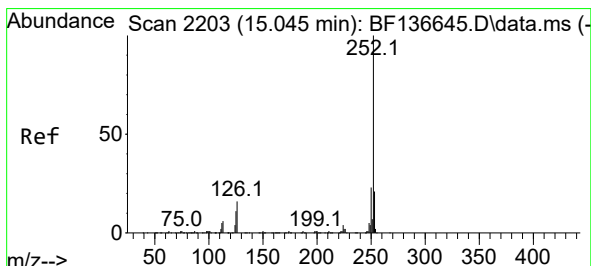
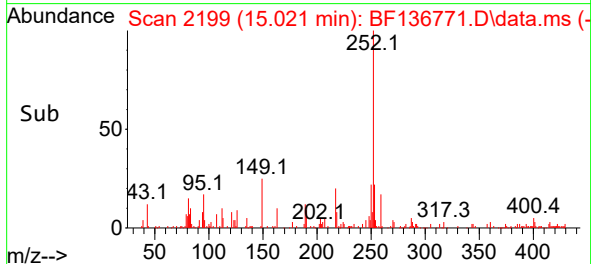
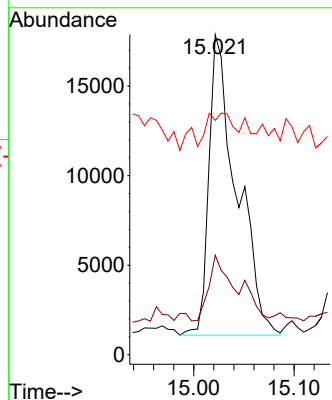
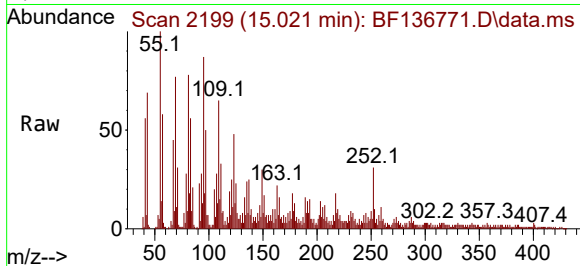




#88
Benzo(b)fluoranthene
Concen: 3.189 ng
RT: 15.021 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01

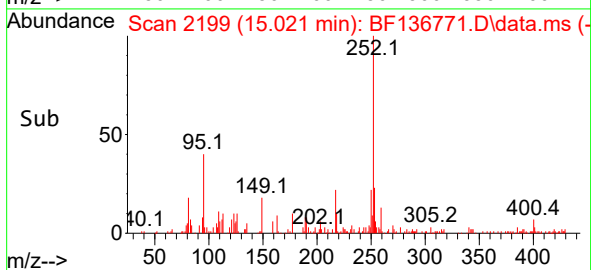
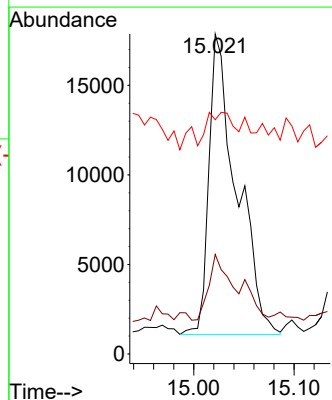
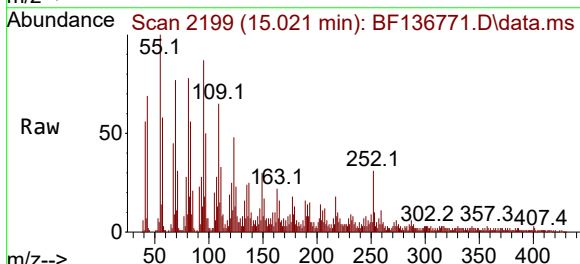
Instrument :
BNA_F
ClientSampleId :

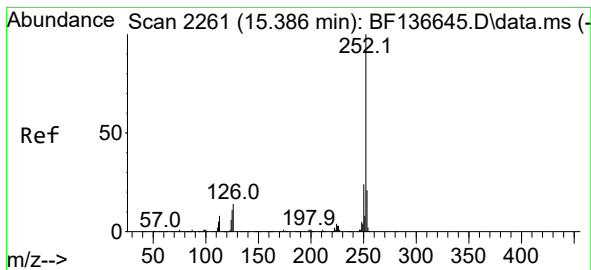
Tgt Ion:252 Resp: 32185
Ion Ratio Lower Upper
252 100
253 31.1 17.4 26.0#
125 73.2 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 3.375 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.023 min
Lab File: BF136771.D
Acq: 27 Dec 2023 22:01

Tgt Ion:252 Resp: 32185
Ion Ratio Lower Upper
252 100
253 31.1 17.0 25.6#
125 73.2 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 2.056 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.012 min

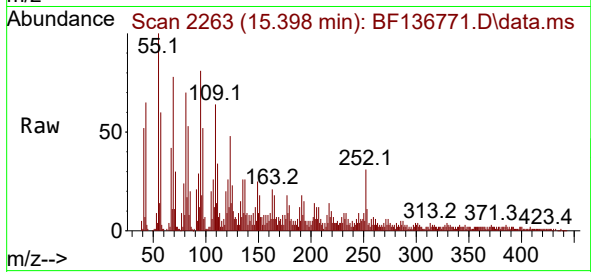
Lab File: BF136771.D

Acq: 27 Dec 2023 22:01

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:252 Resp: 17515

Ion Ratio Lower Upper

252 100

253 35.7 17.0 25.6#

125 75.6 8.8 13.2#

