

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110323\
 Data File : BF136132.D
 Acq On : 03 Nov 2023 19:08
 Operator : CG\JU
 Sample : 05141-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-4

Quant Time: Nov 04 00:11:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

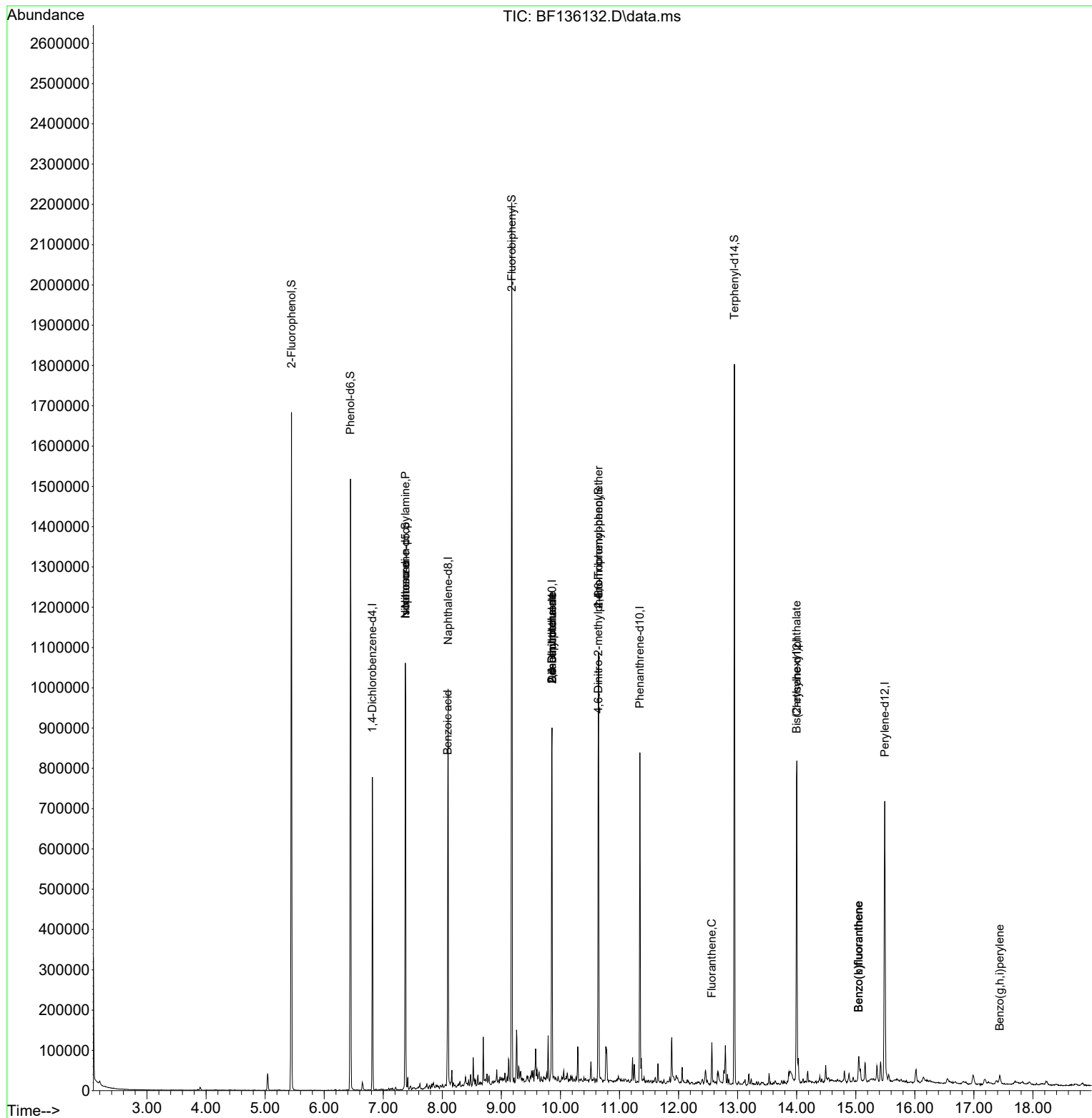
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	102133	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	380527	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	173954	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	281423	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	248578	20.000	ng	-0.01
86) Perylene-d12	15.492	264	312238	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	425917	65.531	ng	0.00
7) Phenol-d6	6.445	99	516035	63.724	ng	-0.01
23) Nitrobenzene-d5	7.375	82	325764	51.607	ng	-0.02
42) 2,4,6-Tribromophenol	10.645	330	120549	64.925	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	600724	55.050	ng	-0.01
79) Terphenyl-d14	12.945	244	568774	35.558	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.375	70	42862	9.263	ng	# 79
25) Isophorone	7.375	82	325612	27.323	ng	# 64
32) Benzoic acid	8.092	122	145	5.144	ng	# 1
50) Dimethylphthalate	9.857	163	37229	3.245	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	23728	9.669	ng	# 29
57) 2,4-Dinitrotoluene	9.857	165	23728	7.642	ng	# 26
65) 4,6-Dinitro-2-methylph...	10.639	198	264	5.941	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	7464	2.530	ng	# 1
75) Fluoranthene	12.563	202	34746	2.387	ng	99
84) Bis(2-ethylhexyl)phtha...	13.998	149	24621	2.694	ng	99
88) Benzo(b)fluoranthene	15.051	252	45569	2.466	ng	# 92
89) Benzo(k)fluoranthene	15.051	252	45569	2.493	ng	# 92
92) Benzo(g,h,i)perylene	17.439	276	14973	3.634	ng	95

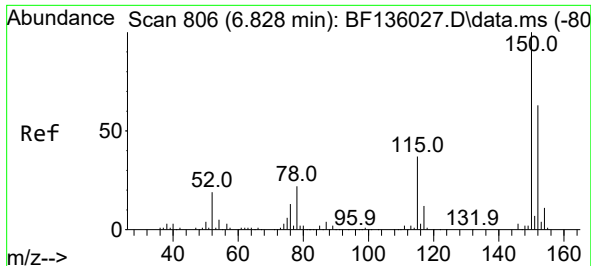
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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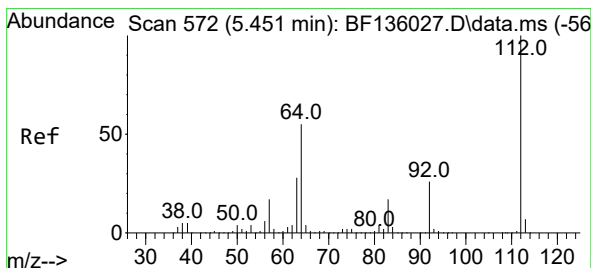
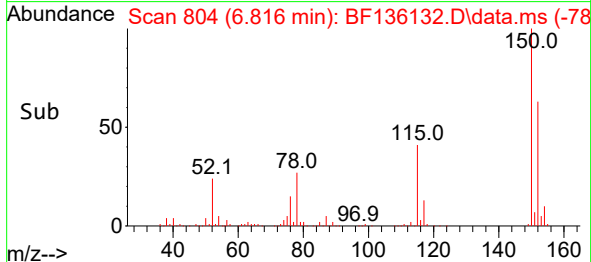
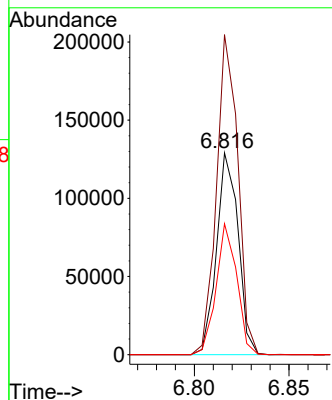
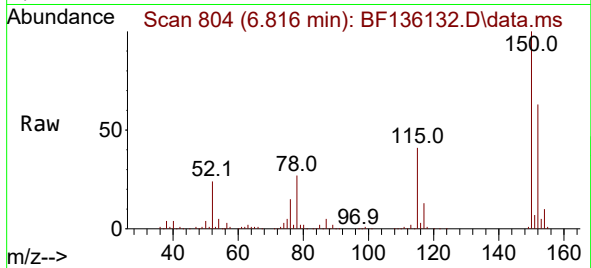




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.012 min
Lab File: BF136132.D
Acq: 03 Nov 2023 19:08

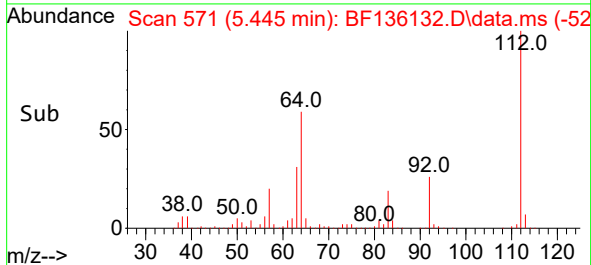
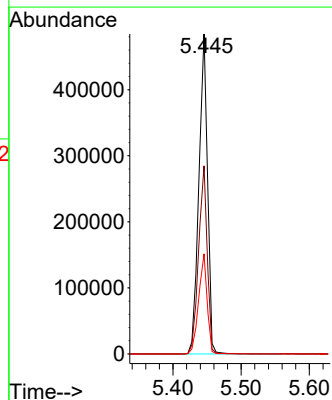
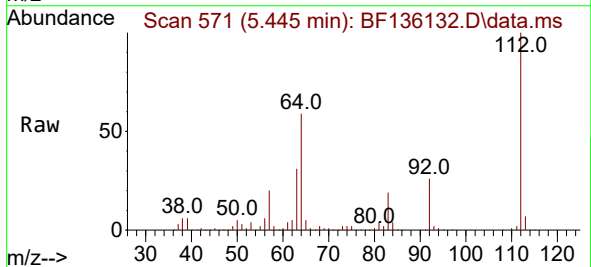
Instrument :
BNA_F
ClientSampleId :
PE-4

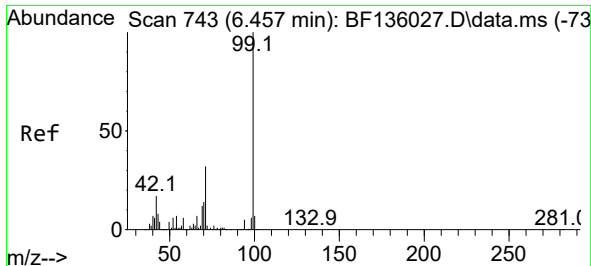
Tgt Ion:152 Resp: 102133
Ion Ratio Lower Upper
152 100
150 158.6 126.4 189.6
115 64.9 47.0 70.4



#5
2-Fluorophenol
Concen: 65.531 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136132.D
Acq: 03 Nov 2023 19:08

Tgt Ion:112 Resp: 425917
Ion Ratio Lower Upper
112 100
64 58.8 43.9 65.9
63 31.3 22.4 33.6

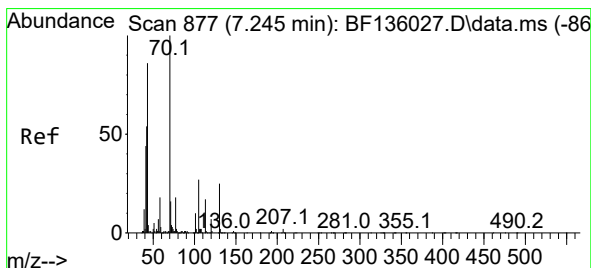
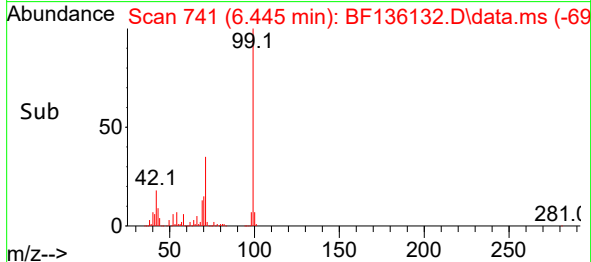
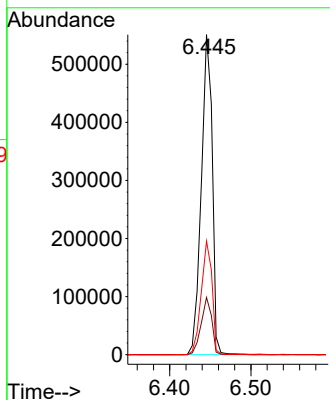
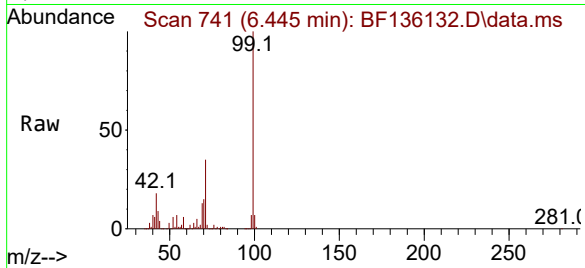




#7
Phenol-d6
Concen: 63.724 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF136132.D
Acq: 03 Nov 2023 19:08

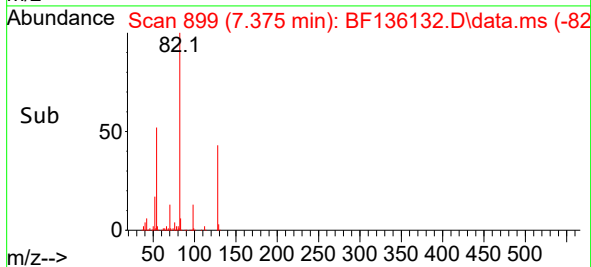
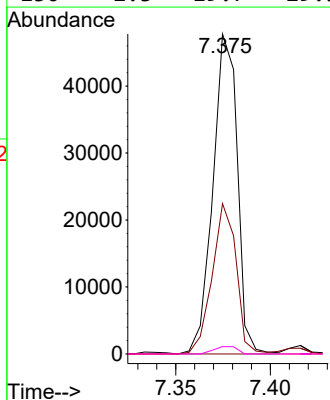
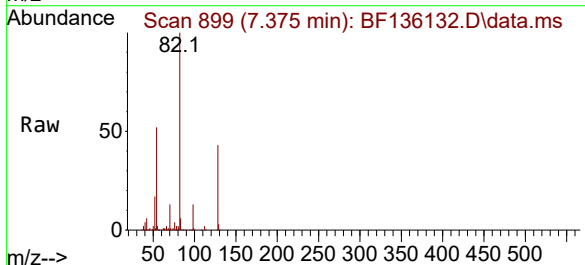
Instrument :
BNA_F
ClientSampleId :
PE-4

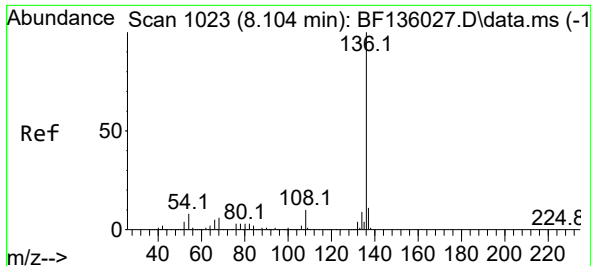
Tgt Ion: 99 Resp: 516035
Ion Ratio Lower Upper
99 100
42 17.9 13.7 20.5
71 35.5 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.263 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.129 min
Lab File: BF136132.D
Acq: 03 Nov 2023 19:08

Tgt Ion: 70 Resp: 42862
Ion Ratio Lower Upper
70 100
42 47.0 43.0 64.4
101 0.0 8.0 12.0#
130 2.3 19.7 29.5#

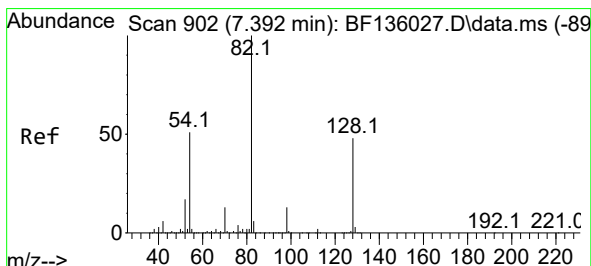
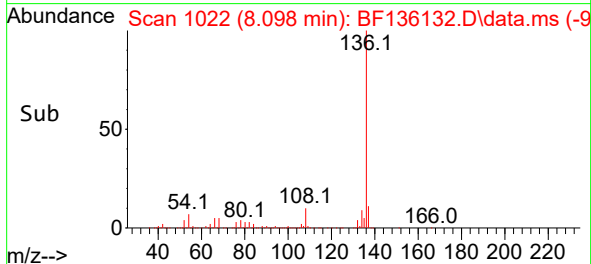
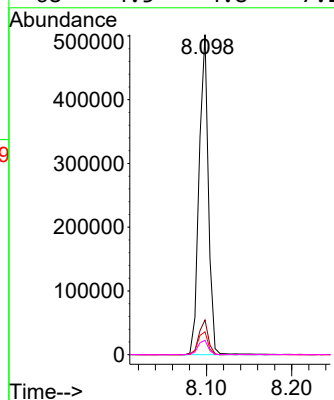
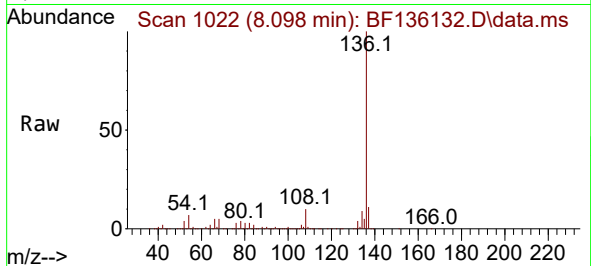




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136132.D
Acq: 03 Nov 2023 19:08

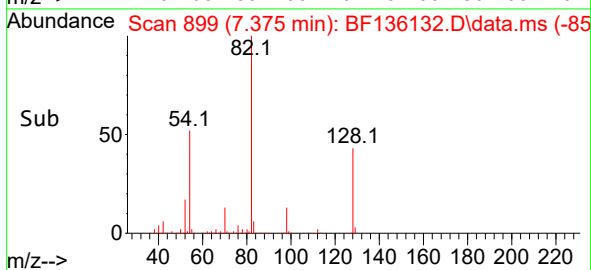
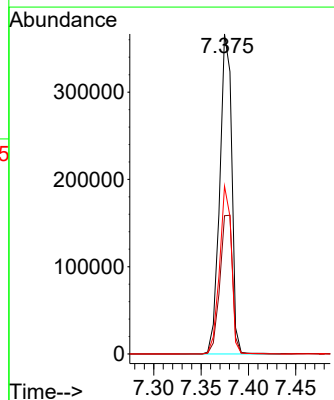
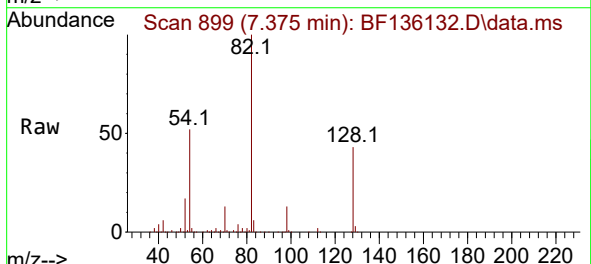
Instrument :
BNA_F
ClientSampleId :
PE-4

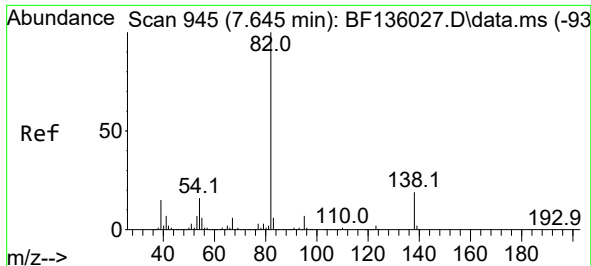
Tgt Ion:	136	Resp:	380527
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	7.1	6.6	9.8
68	4.5	4.8	7.2



#23
Nitrobenzene-d5
Concen: 51.607 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF136132.D
Acq: 03 Nov 2023 19:08

Tgt Ion:	82	Resp:	325764
Ion Ratio	Lower	Upper	
82	100		
128	43.2	38.6	57.8
54	52.5	40.8	61.2

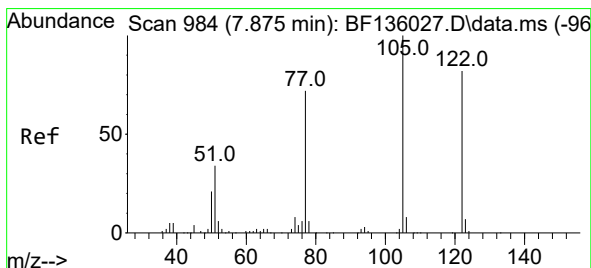
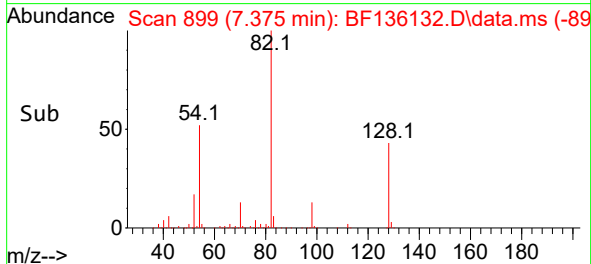
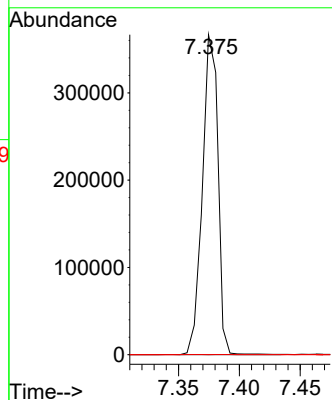
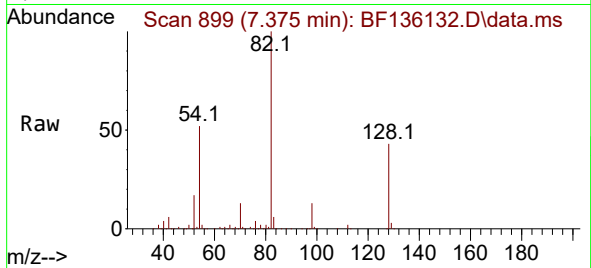




#25
Isophorone
Concen: 27.323 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF136132.D
Acq: 03 Nov 2023 19:08

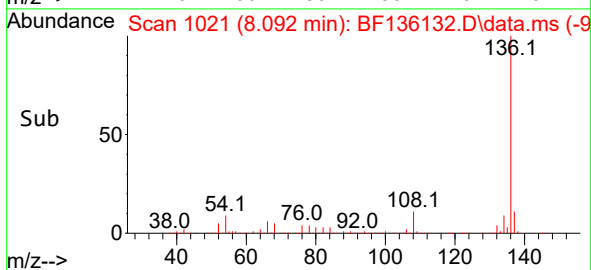
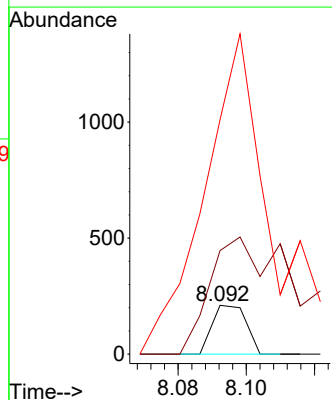
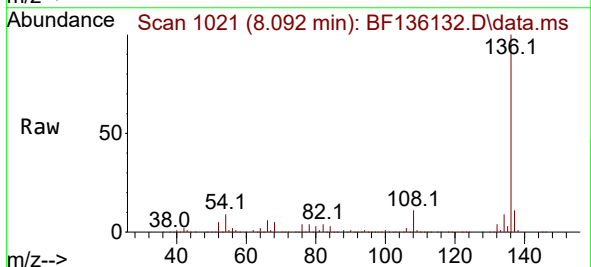
Instrument :
BNA_F
ClientSampleId :
PE-4

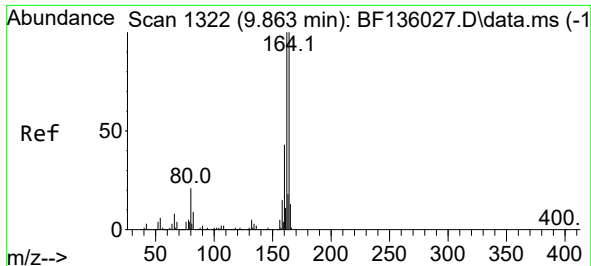
Tgt Ion: 82 Resp: 325612
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.144 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.217 min
Lab File: BF136132.D
Acq: 03 Nov 2023 19:08

Tgt Ion:122 Resp: 145
Ion Ratio Lower Upper
122 100
105 212.4 99.5 139.5#
77 481.0 66.8 106.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136132.D

Acq: 03 Nov 2023 19:08

Instrument :

BNA_F

ClientSampleId :

PE-4

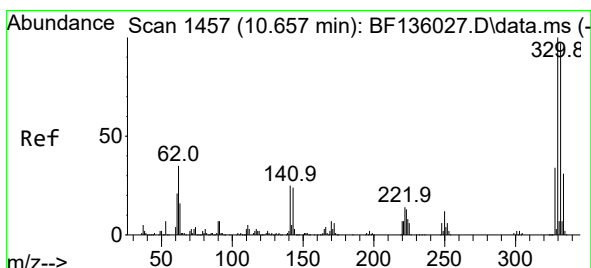
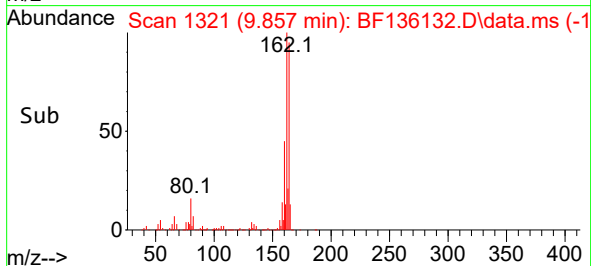
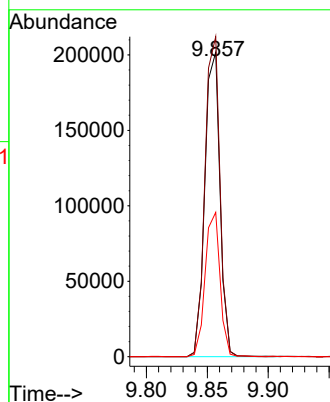
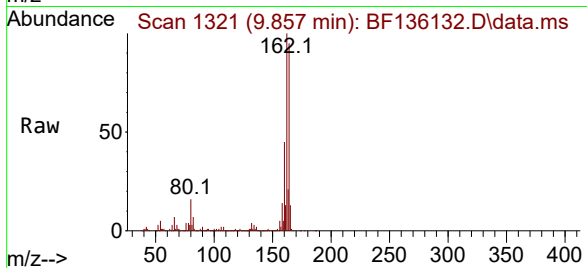
Tgt Ion:164 Resp: 173954

Ion Ratio Lower Upper

164 100

162 105.1 80.1 120.1

160 47.4 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 64.925 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.012 min

Lab File: BF136132.D

Acq: 03 Nov 2023 19:08

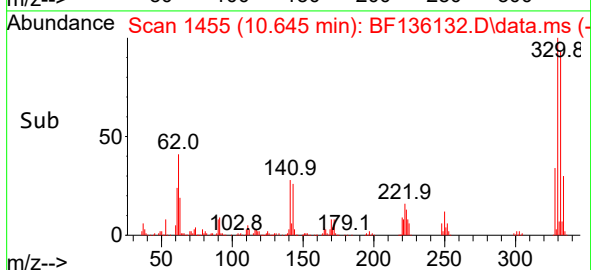
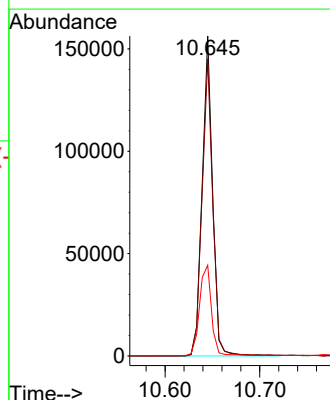
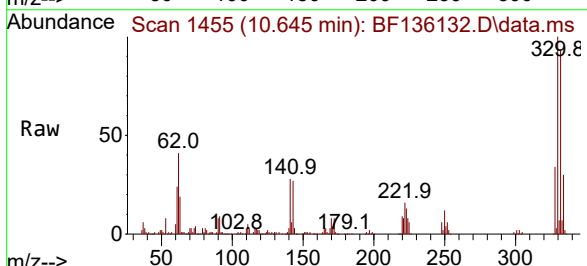
Tgt Ion:330 Resp: 120549

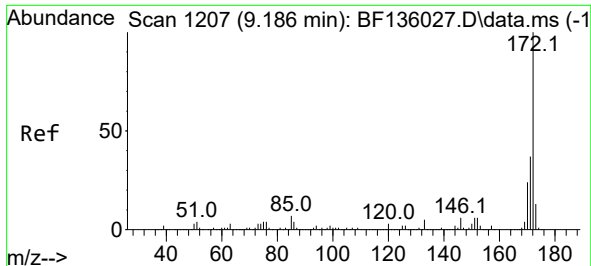
Ion Ratio Lower Upper

330 100

332 95.4 76.9 115.3

141 32.1 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 55.050 ng

RT: 9.175 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136132.D

Acq: 03 Nov 2023 19:08

Instrument :

BNA_F

ClientSampleId :

PE-4

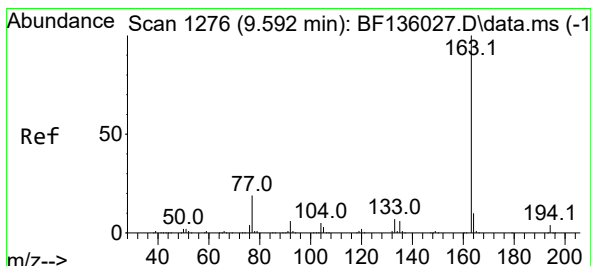
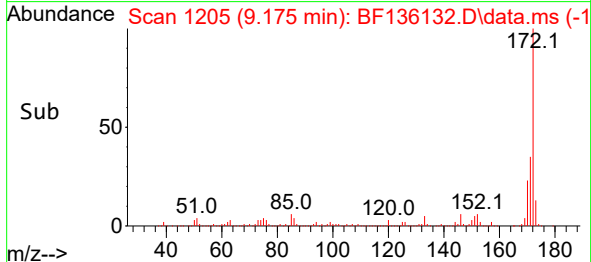
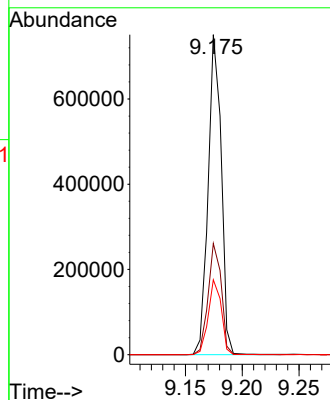
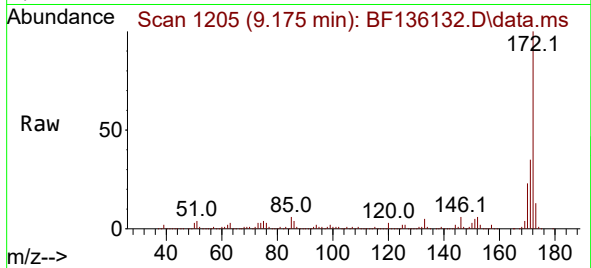
Tgt Ion:172 Resp: 600724

Ion Ratio Lower Upper

172 100

171 34.7 29.4 44.0

170 23.4 19.3 28.9



#50

Dimethylphthalate

Concen: 3.245 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.265 min

Lab File: BF136132.D

Acq: 03 Nov 2023 19:08

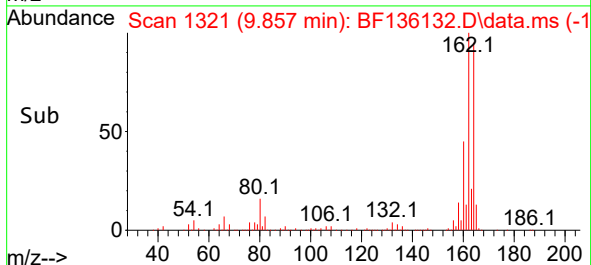
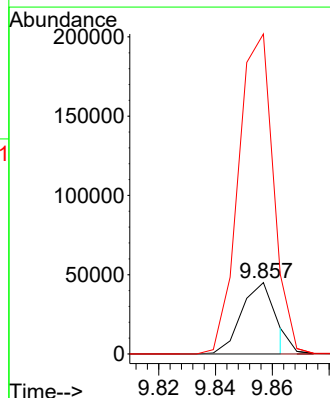
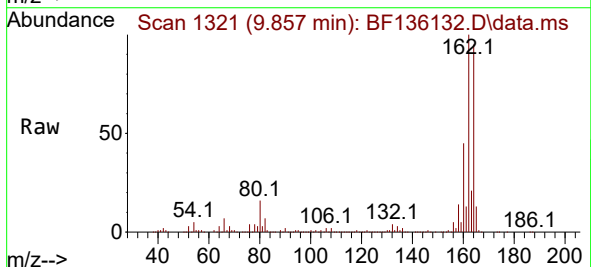
Tgt Ion:163 Resp: 37229

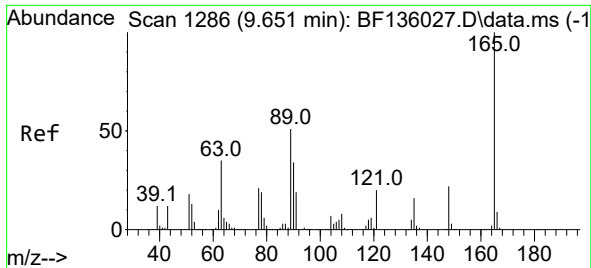
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 448.2 8.1 12.1#

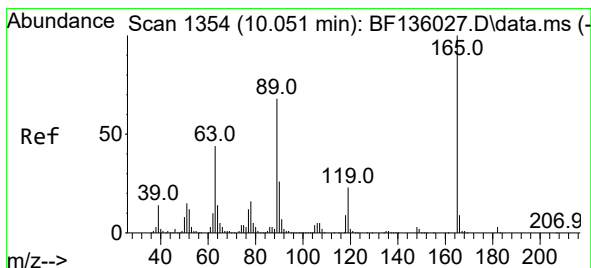
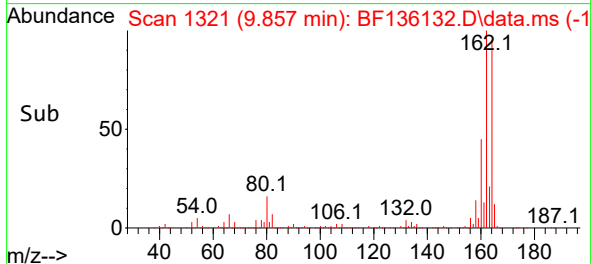
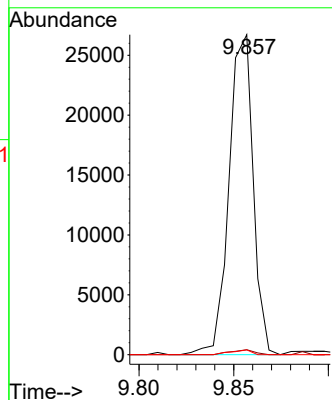
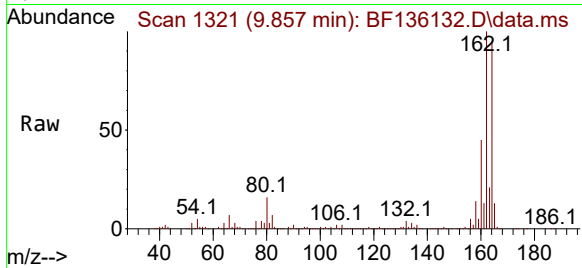




#51
2,6-Dinitrotoluene
Concen: 9.669 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF136132.D
Acq: 03 Nov 2023 19:08

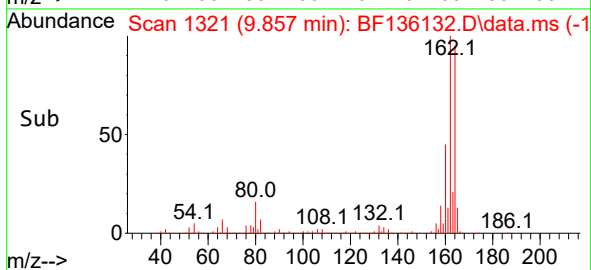
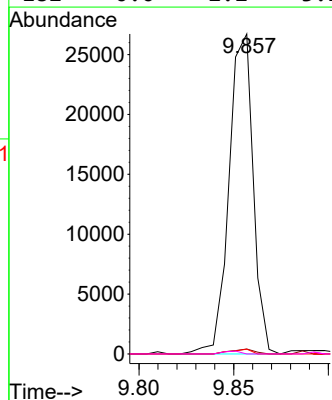
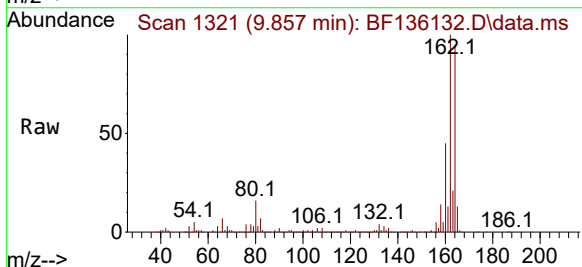
Instrument :
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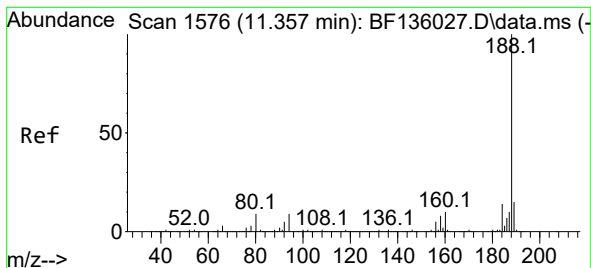
Tgt Ion:165 Resp: 23728
Ion Ratio Lower Upper
165 100
63 1.5 40.8 61.2#
89 1.5 41.1 61.7#



#57
2,4-Dinitrotoluene
Concen: 7.642 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF136132.D
Acq: 03 Nov 2023 19:08

Tgt Ion:165 Resp: 23728
Ion Ratio Lower Upper
165 100
63 1.5 35.2 52.8#
89 1.5 54.8 82.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136132.D

Acq: 03 Nov 2023 19:08

Instrument :

BNA_F

ClientSampleId :

PE-4

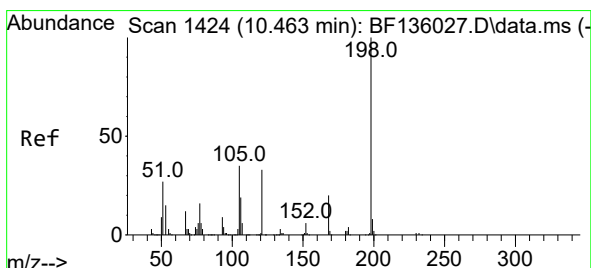
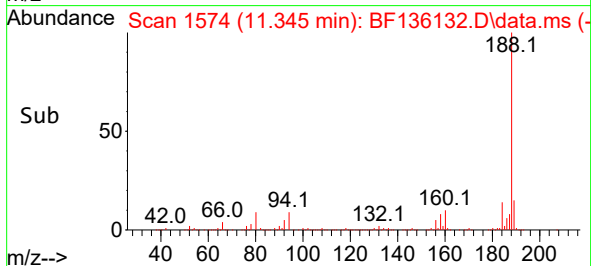
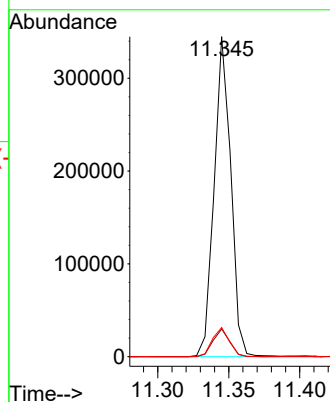
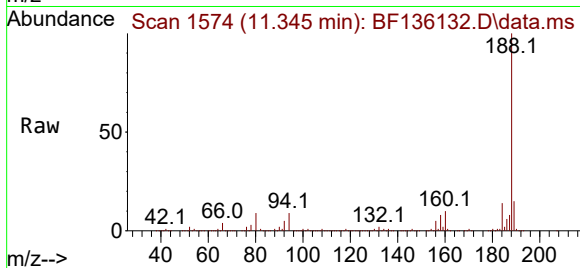
Tgt Ion:188 Resp: 281423

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

80 9.1 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.941 ng

RT: 10.639 min Scan# 1454

Delta R.T. 0.176 min

Lab File: BF136132.D

Acq: 03 Nov 2023 19:08

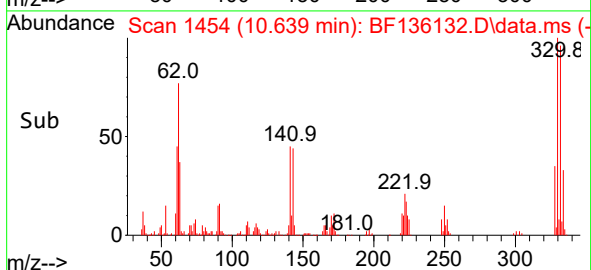
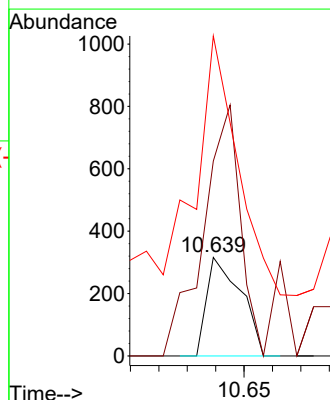
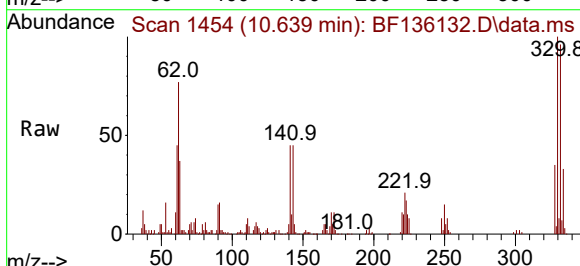
Tgt Ion:198 Resp: 264

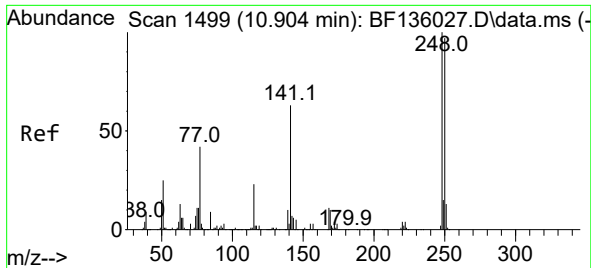
Ion Ratio Lower Upper

198 100

51 197.8 12.9 52.9#

105 324.7 16.0 56.0#

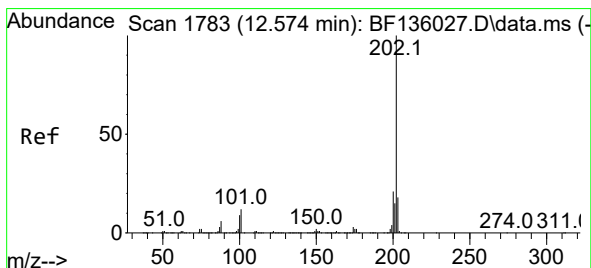
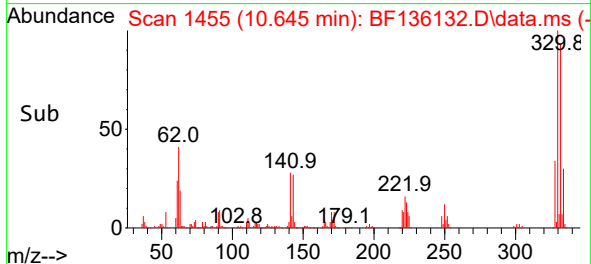
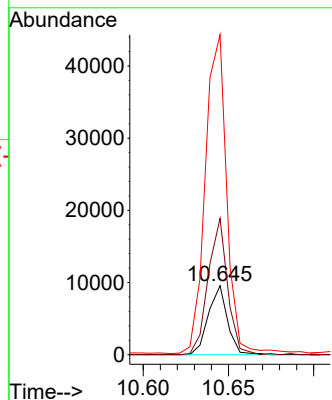
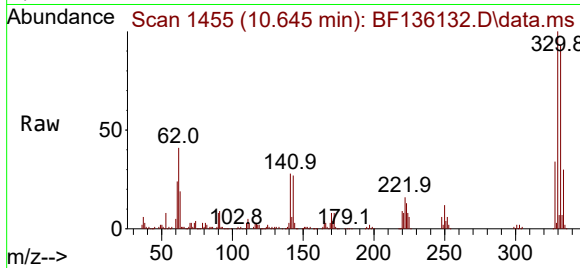




#67
4-Bromophenyl-phenylether
Concen: 2.530 ng
RT: 10.645 min Scan# 1499
Delta R.T. -0.259 min
Lab File: BF136132.D
Acq: 03 Nov 2023 19:08

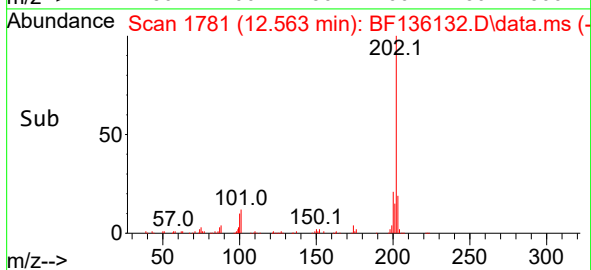
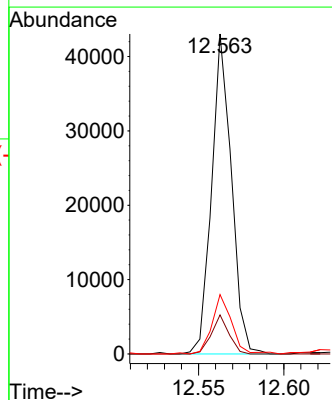
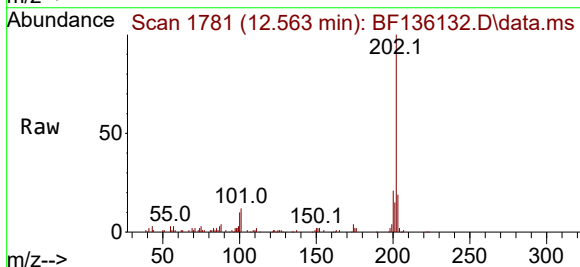
Instrument :
BNA_F
ClientSampleId :
PE-4

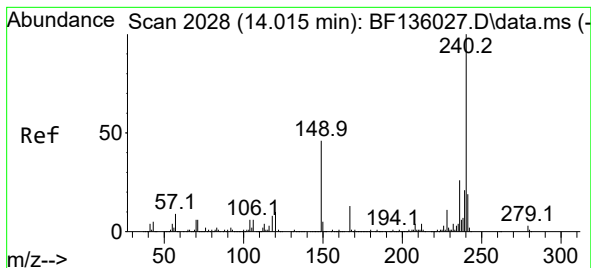
Tgt Ion:248 Resp: 7464
Ion Ratio Lower Upper
248 100
250 197.4 77.6 116.4#
141 463.6 50.4 75.6#



#75
Fluoranthene
Concen: 2.387 ng
RT: 12.563 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BF136132.D
Acq: 03 Nov 2023 19:08

Tgt Ion:202 Resp: 34746
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.8
203 18.6 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF136132.D

Acq: 03 Nov 2023 19:08

Instrument :

BNA_F

ClientSampleId :

PE-4

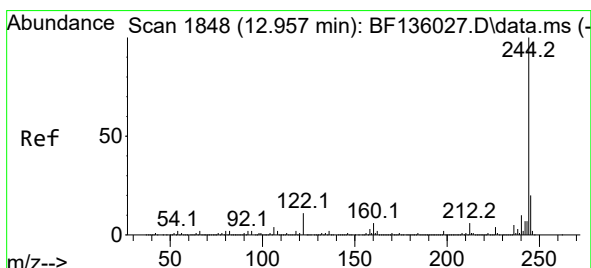
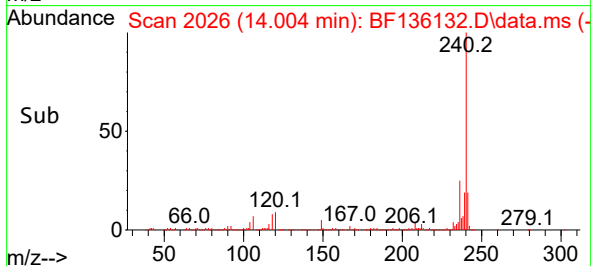
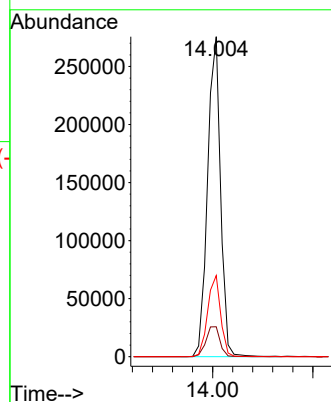
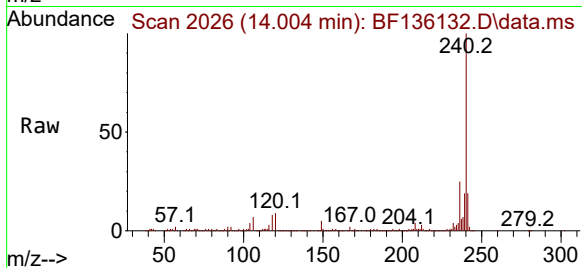
Tgt Ion:240 Resp: 248578

Ion Ratio Lower Upper

240 100

120 9.4 7.6 11.4

236 25.3 20.6 31.0



#79

Terphenyl-d14

Concen: 35.558 ng

RT: 12.945 min Scan# 1846

Delta R.T. -0.012 min

Lab File: BF136132.D

Acq: 03 Nov 2023 19:08

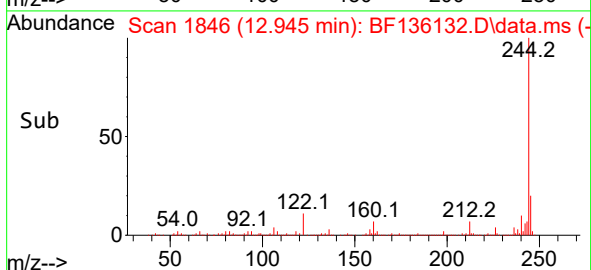
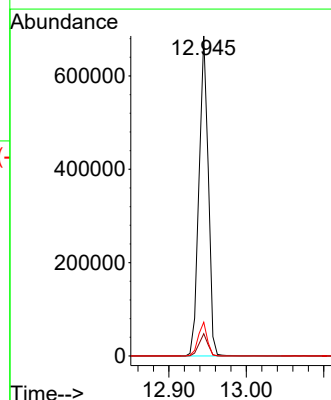
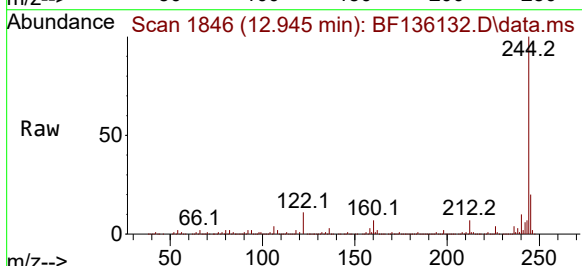
Tgt Ion:244 Resp: 568774

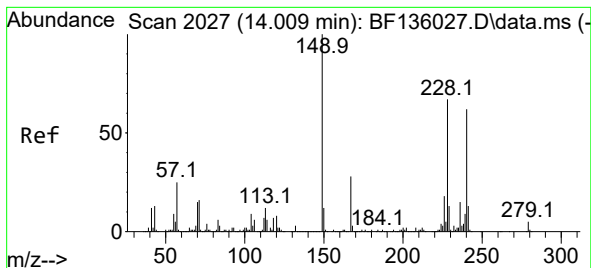
Ion Ratio Lower Upper

244 100

212 6.9 5.1 7.7

122 10.6 8.6 12.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.694 ng

RT: 13.998 min Scan# 2027

Delta R.T. -0.012 min

Lab File: BF136132.D

Acq: 03 Nov 2023 19:08

Instrument :

BNA_F

ClientSampleId :

PE-4

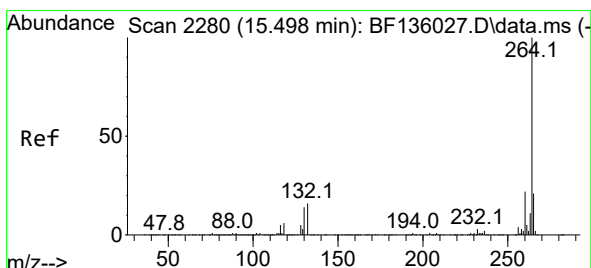
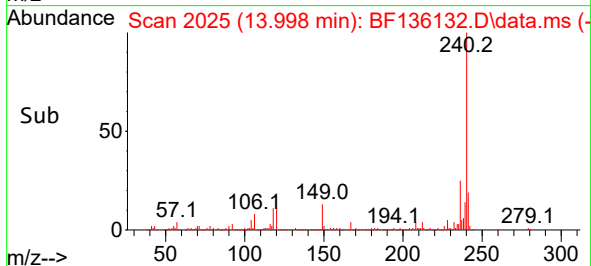
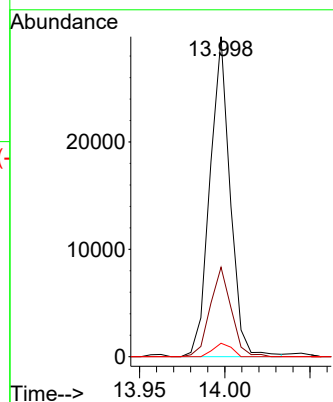
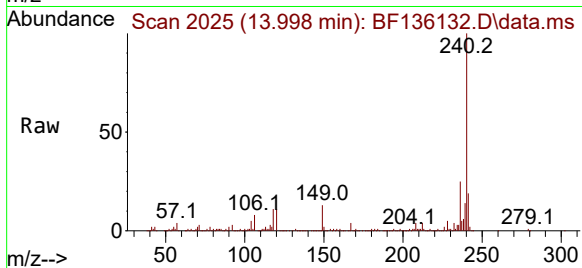
Tgt Ion:149 Resp: 24621

Ion Ratio Lower Upper

149 100

167 27.9 22.6 33.8

279 4.2 4.1 6.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF136132.D

Acq: 03 Nov 2023 19:08

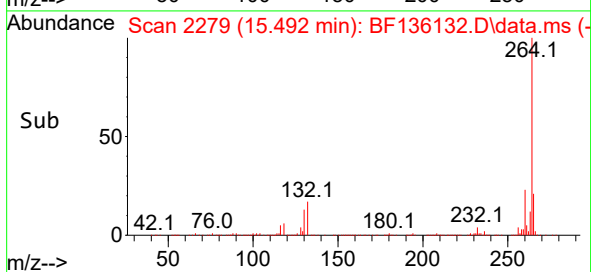
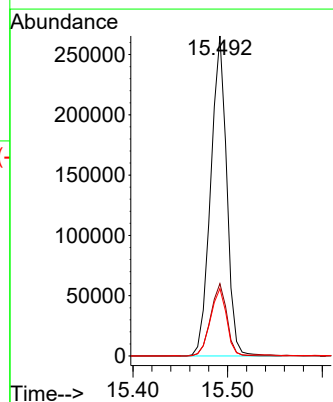
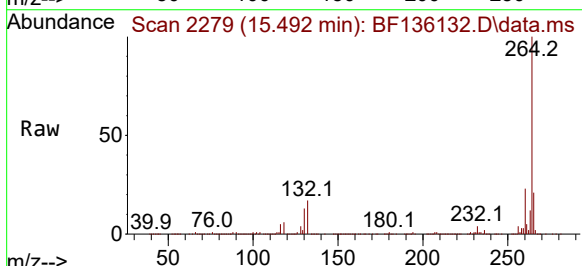
Tgt Ion:264 Resp: 312238

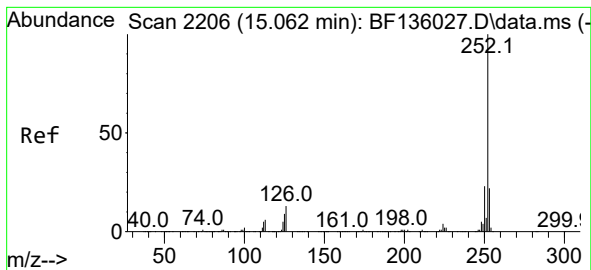
Ion Ratio Lower Upper

264 100

260 22.6 17.9 26.9

265 21.0 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 2.466 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.012 min

Lab File: BF136132.D

Acq: 03 Nov 2023 19:08

Instrument :

BNA_F

ClientSampleId :

PE-4

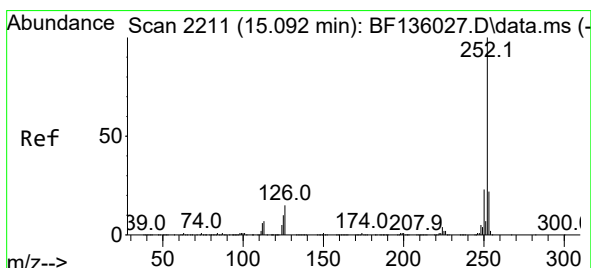
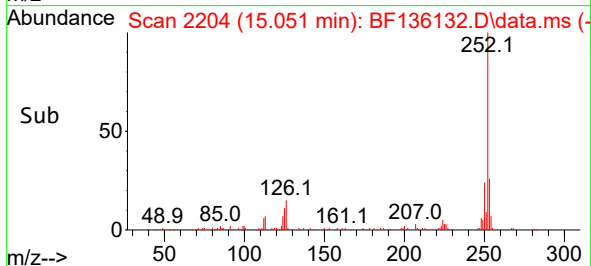
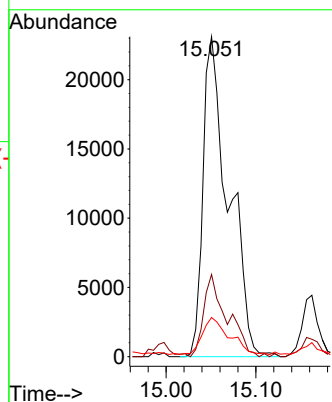
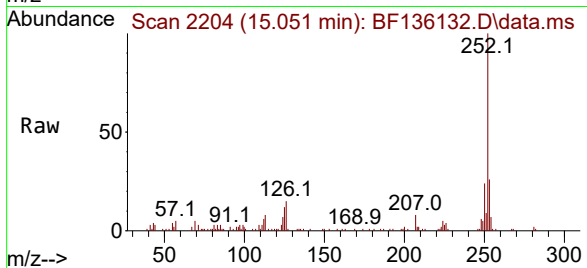
Tgt Ion:252 Resp: 45569

Ion Ratio Lower Upper

252 100

253 25.7 17.7 26.5

125 12.2 7.5 11.3#



#89

Benzo(k)fluoranthene

Concen: 2.493 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.041 min

Lab File: BF136132.D

Acq: 03 Nov 2023 19:08

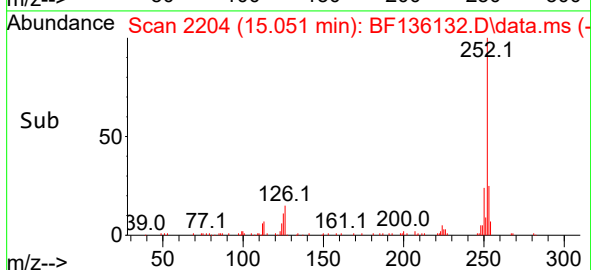
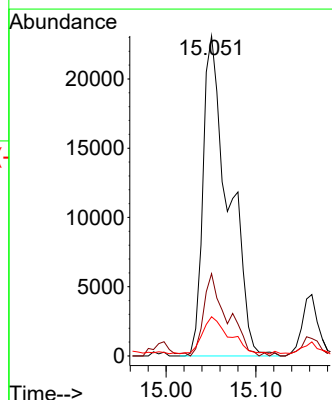
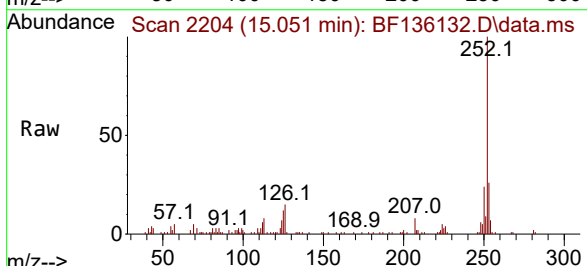
Tgt Ion:252 Resp: 45569

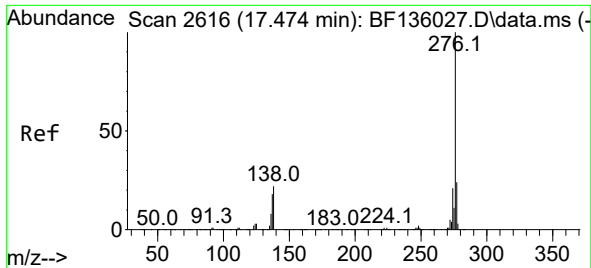
Ion Ratio Lower Upper

252 100

253 25.7 17.4 26.0

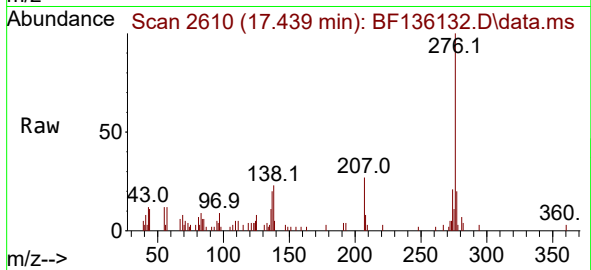
125 12.2 8.0 12.0#





#92
 Benzo(g,h,i)perylene
 Concen: 3.634 ng
 RT: 17.439 min Scan# 20
 Delta R.T. -0.035 min
 Lab File: BF136132.D
 Acq: 03 Nov 2023 19:08

Instrument :
 BNA_F
 ClientSampleId :
 PE-4



Tgt Ion:	276	Resp:	14973
Ion Ratio	Lower	Upper	
276	100		
277	20.0	19.0	28.4
138	22.8	17.4	26.2

