

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082923\
 Data File : BF134991.D
 Acq On : 29 Aug 2023 19:09
 Operator : CG\JU
 Sample : 04122-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FLY-ASH

Quant Time: Aug 29 22:28:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

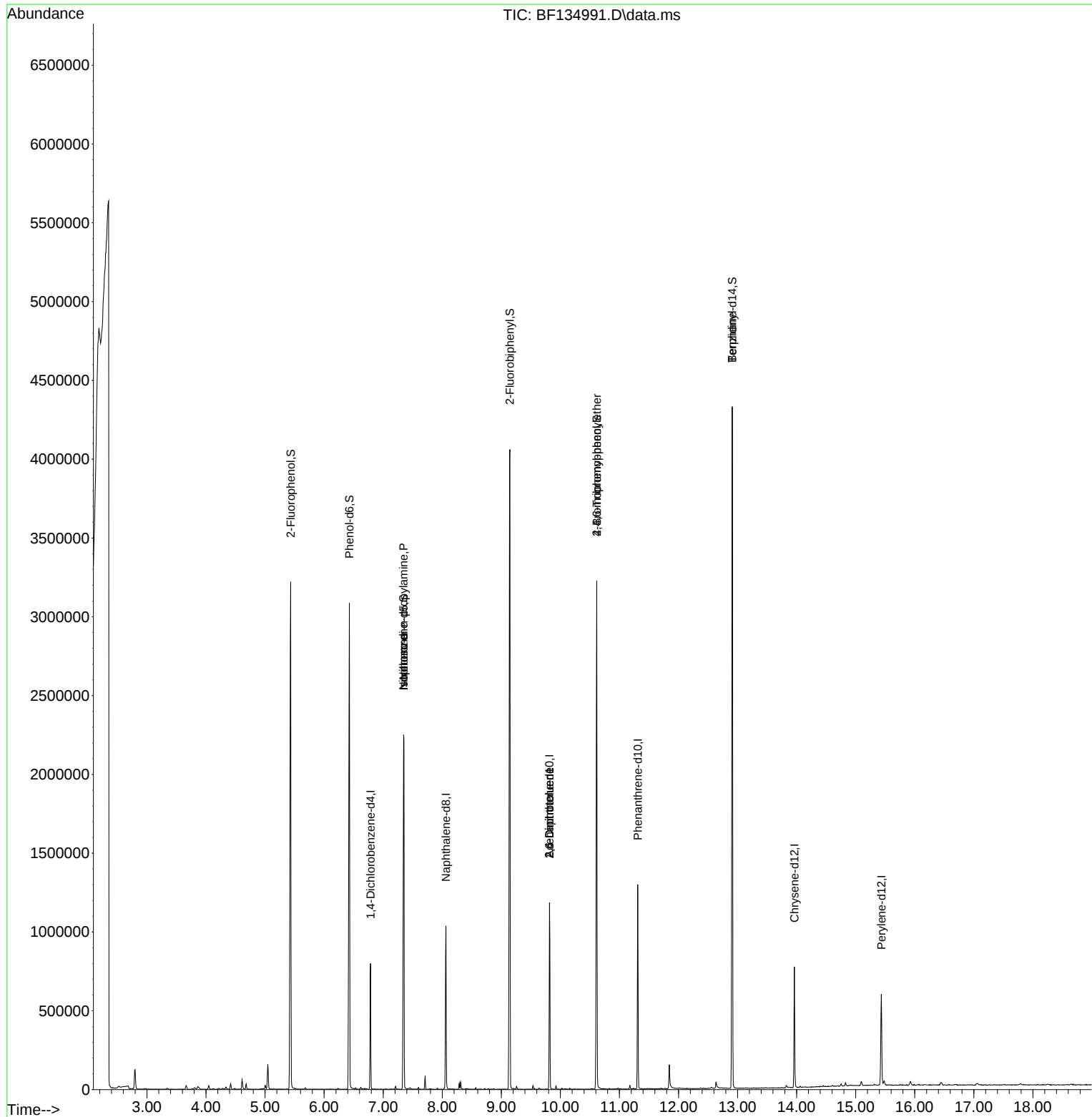
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	112904	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	451246	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	235273	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	433528	20.000	ng	-0.02
76) Chrysene-d12	13.962	240	238676	20.000	ng	-0.02
86) Perylene-d12	15.433	264	258305	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	967655	136.671	ng	0.01
7) Phenol-d6	6.428	99	1121046	123.912	ng	-0.01
23) Nitrobenzene-d5	7.345	82	826445	100.921	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	411729	148.589	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1493489	98.132	ng	-0.01
79) Terphenyl-d14	12.910	244	1588344	91.530	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	113259	21.435	ng	# 80
25) Isophorone	7.345	82	821879	53.748	ng	# 64
51) 2,6-Dinitrotoluene	9.816	165	30365	8.221	ng	# 28
57) 2,4-Dinitrotoluene	9.816	165	30365	6.647	ng	# 25
67) 4-Bromophenyl-phenylether	10.616	248	26688	5.336	ng	# 1
77) Benzidine	12.910	184	20554	5.308	ng	# 93

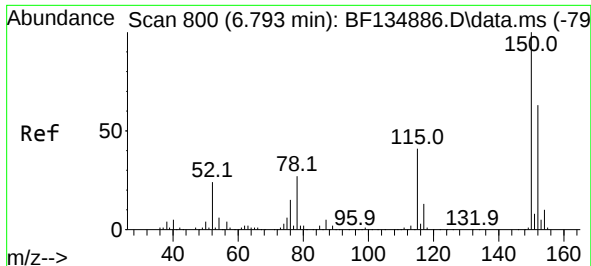
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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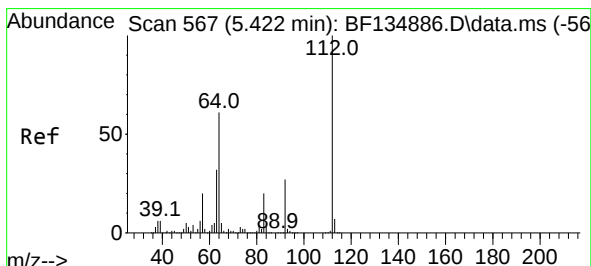
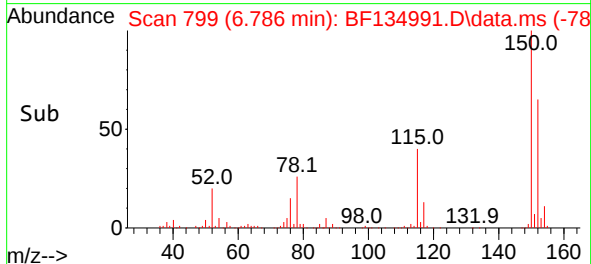
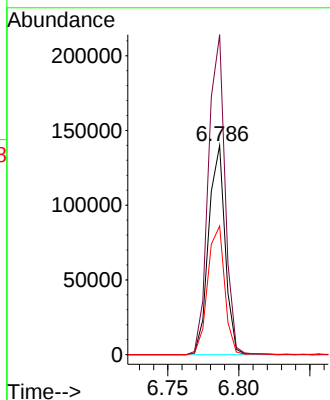
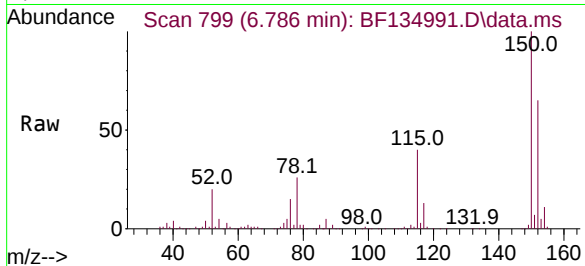




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 79
Delta R.T. -0.007 min
Lab File: BF134991.D
Acq: 29 Aug 2023 19:09

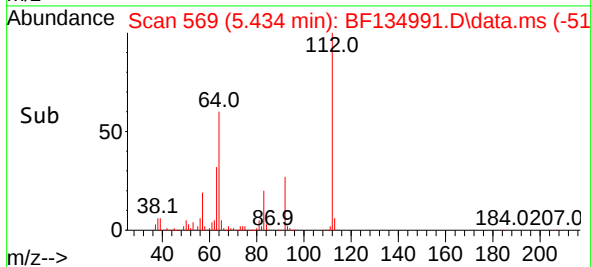
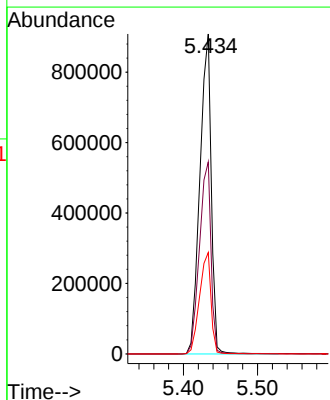
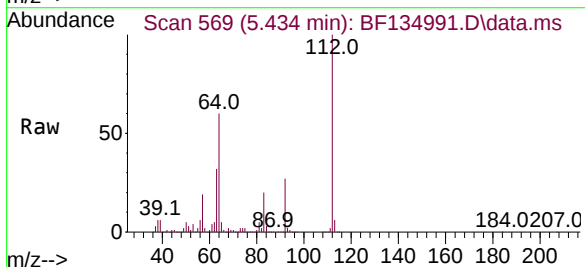
Instrument :
BNA_F
ClientSampleId :
FLY-ASH

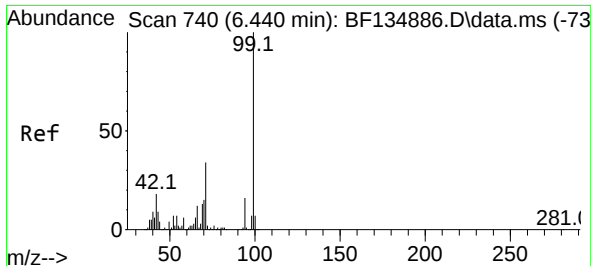
Tgt Ion:152 Resp: 112904
Ion Ratio Lower Upper
152 100
150 152.9 126.1 189.1
115 61.4 51.1 76.7



#5
2-Fluorophenol
Concen: 136.671 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF134991.D
Acq: 29 Aug 2023 19:09

Tgt Ion:112 Resp: 967655
Ion Ratio Lower Upper
112 100
64 60.0 48.6 73.0
63 31.7 25.7 38.5

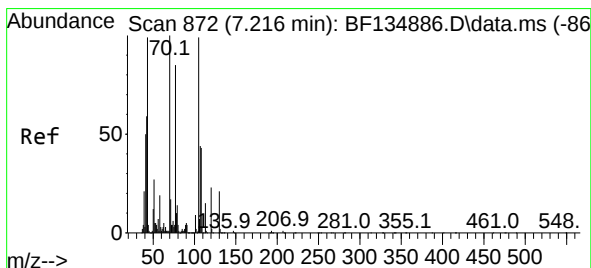
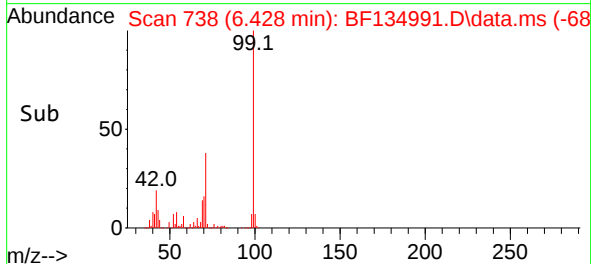
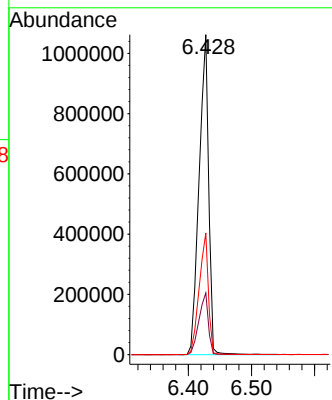
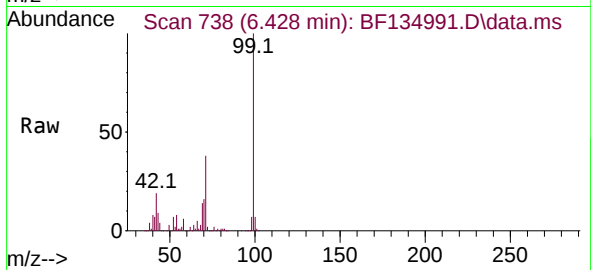




#7
Phenol-d6
Concen: 123.912 ng
RT: 6.428 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF134991.D
Acq: 29 Aug 2023 19:09

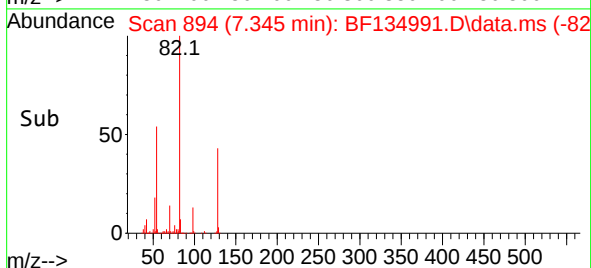
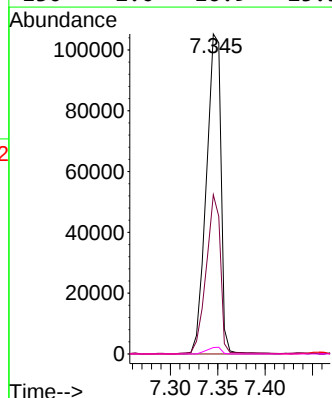
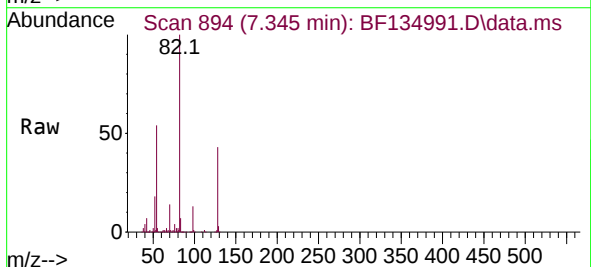
Instrument :
BNA_F
ClientSampleId :
FLY-ASH

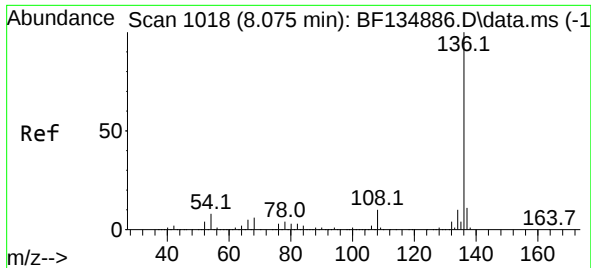
Tgt Ion: 99 Resp: 1121046
Ion Ratio Lower Upper
99 100
42 19.3 14.6 22.0
71 38.0 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 21.435 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.129 min
Lab File: BF134991.D
Acq: 29 Aug 2023 19:09

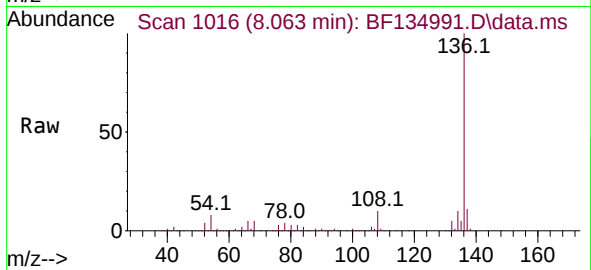
Tgt Ion: 70 Resp: 113259
Ion Ratio Lower Upper
70 100
42 49.7 46.9 70.3
101 0.0 7.5 11.3#
130 2.0 16.9 25.3#



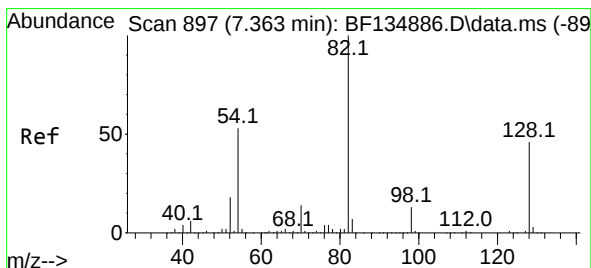
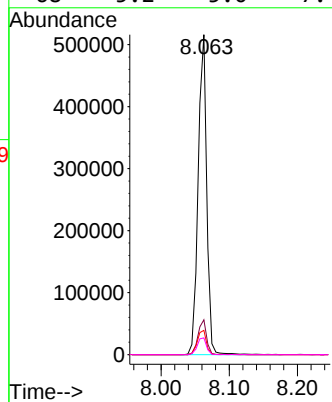
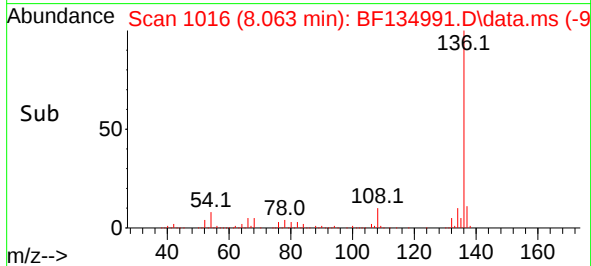


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BF134991.D
Acq: 29 Aug 2023 19:09

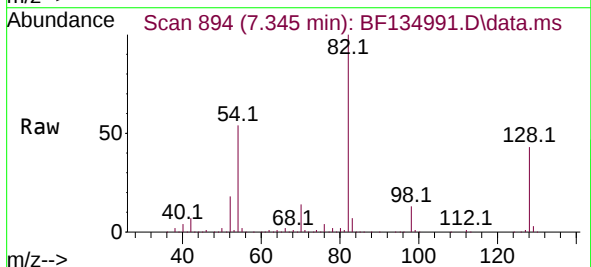
Instrument :
BNA_F
ClientSampleId :
FLY-ASH



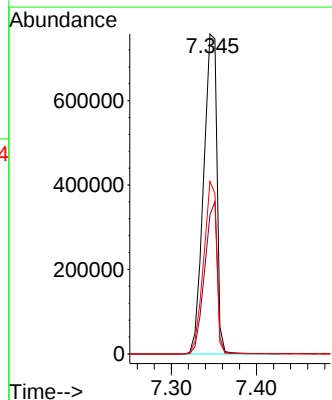
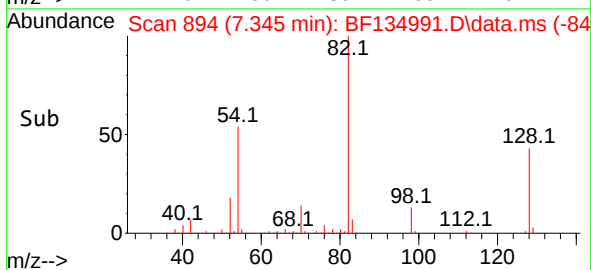
Tgt Ion:136	Resp: 451246
Ion Ratio	Lower Upper
136	100
137	10.9 8.9 13.3
54	7.6 6.6 9.8
68	5.2 5.0 7.4

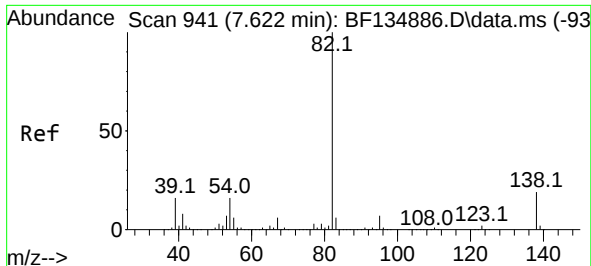


#23
Nitrobenzene-d5
Concen: 100.921 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF134991.D
Acq: 29 Aug 2023 19:09



Tgt Ion: 82	Resp: 826445
Ion Ratio	Lower Upper
82	100
128	43.5 36.6 54.8
54	53.9 42.6 63.8

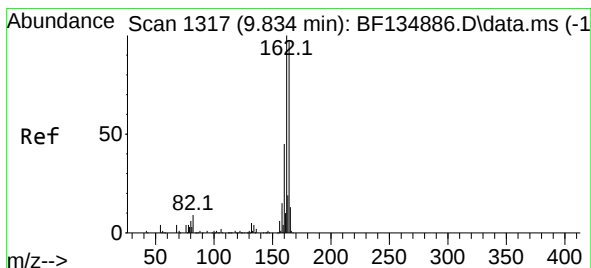
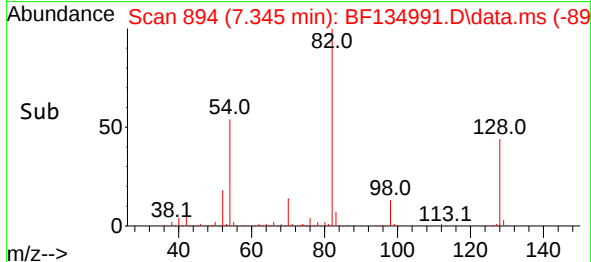
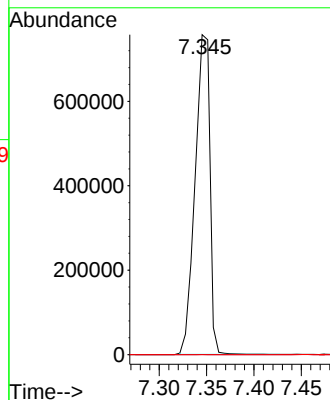
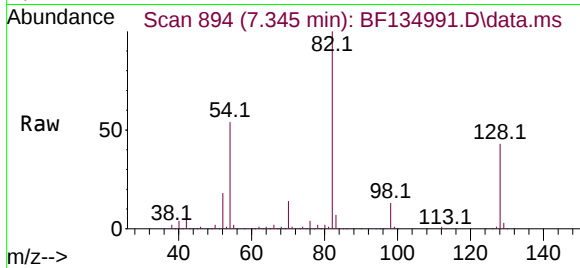




#25
Isophorone
Concen: 53.748 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF134991.D
Acq: 29 Aug 2023 19:09

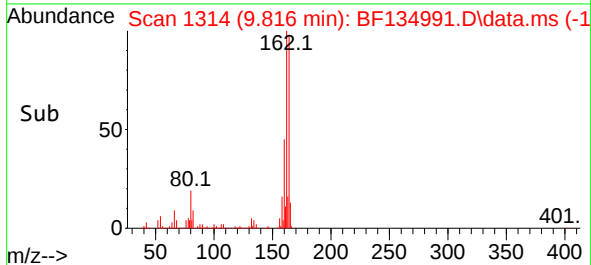
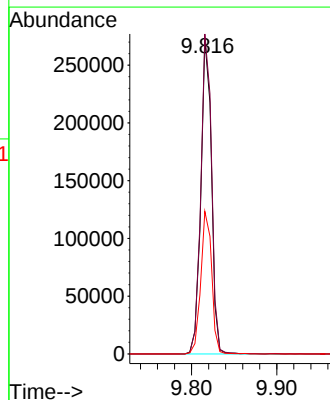
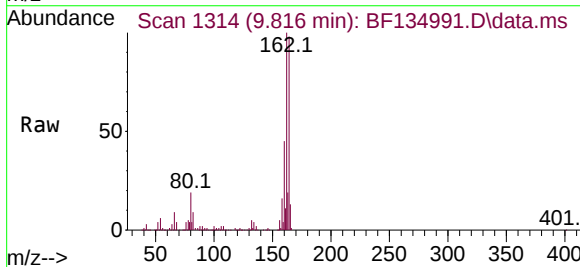
Instrument :
BNA_F
ClientSampleId :
FLY-ASH

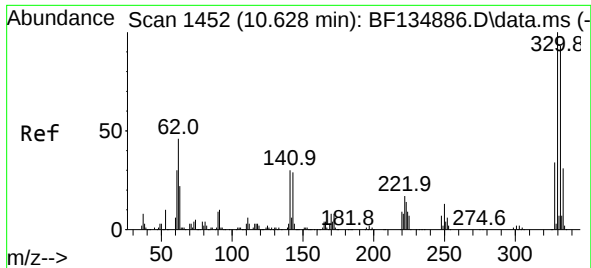
Tgt Ion: 82 Resp: 821879
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF134991.D
Acq: 29 Aug 2023 19:09

Tgt Ion:164 Resp: 235273
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 45.3 37.0 55.4

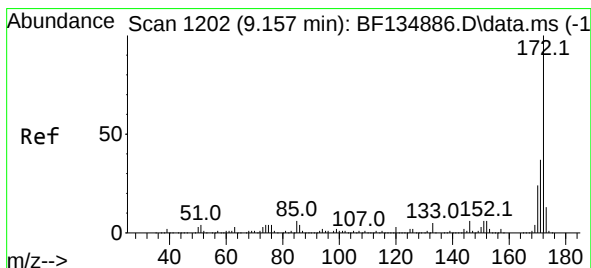
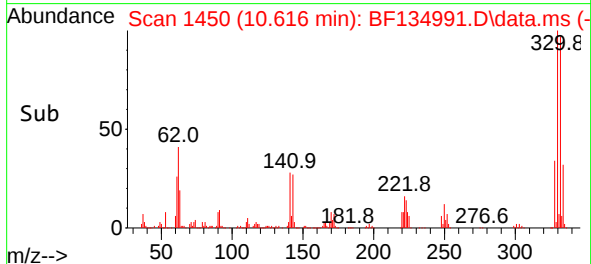
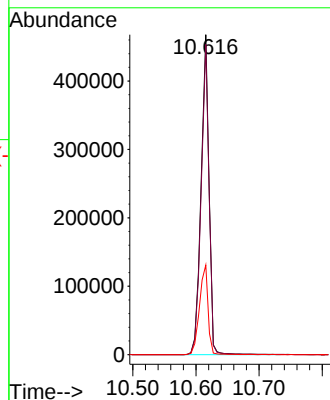
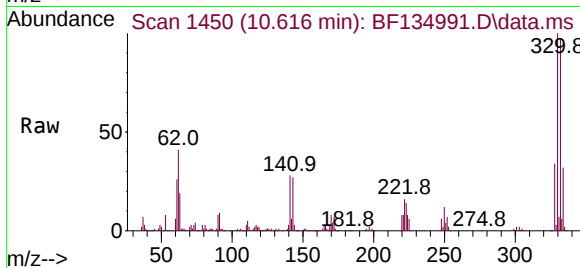




#42
2,4,6-Tribromophenol
Concen: 148.589 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF134991.D
Acq: 29 Aug 2023 19:09

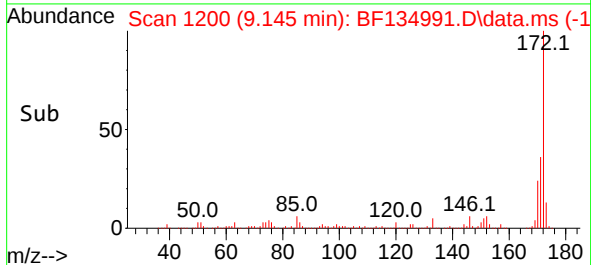
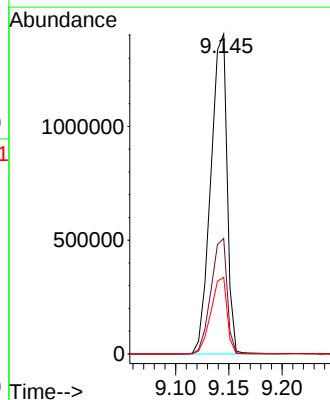
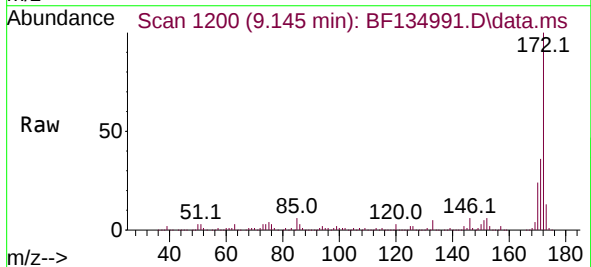
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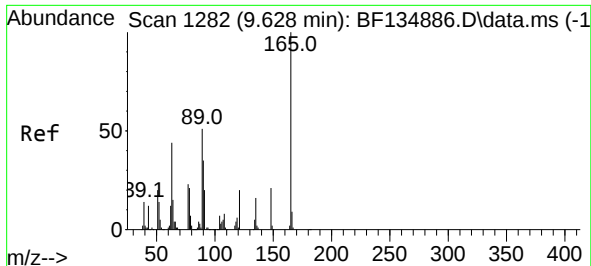
Tgt Ion:330 Resp: 411729
Ion Ratio Lower Upper
330 100
332 96.2 76.3 114.5
141 30.0 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 98.132 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF134991.D
Acq: 29 Aug 2023 19:09

Tgt Ion:172 Resp: 1493489
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 23.9 19.6 29.4





#51

2,6-Dinitrotoluene

Concen: 8.221 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.188 min

Lab File: BF134991.D

Acq: 29 Aug 2023 19:09

Instrument :

BNA_F

ClientSampleId :

FLY-ASH

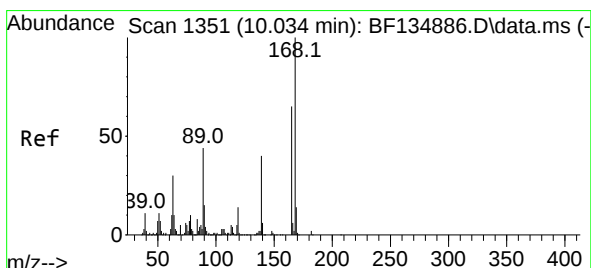
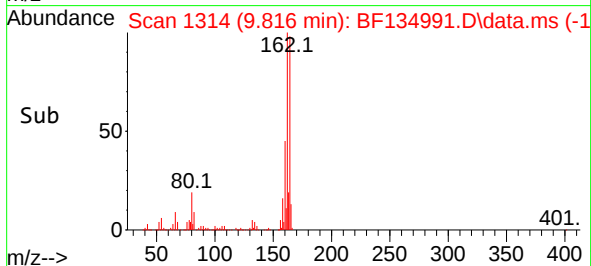
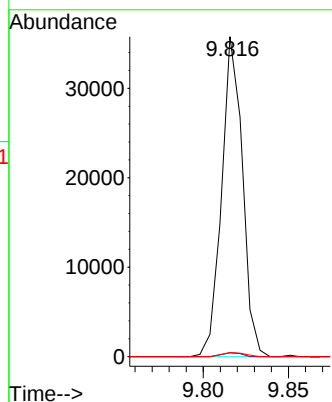
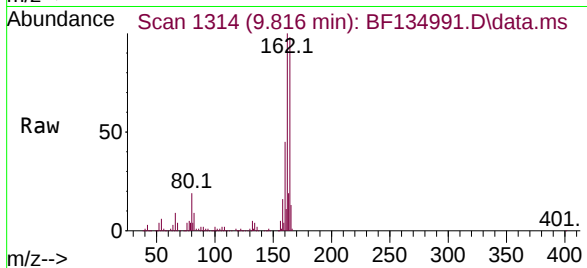
Tgt Ion:165 Resp: 30365

Ion Ratio Lower Upper

165 100

63 1.2 41.4 62.2#

89 1.3 40.9 61.3#



#57

2,4-Dinitrotoluene

Concen: 6.647 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.218 min

Lab File: BF134991.D

Acq: 29 Aug 2023 19:09

Tgt Ion:165 Resp: 30365

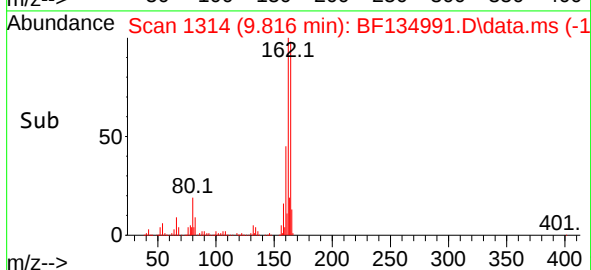
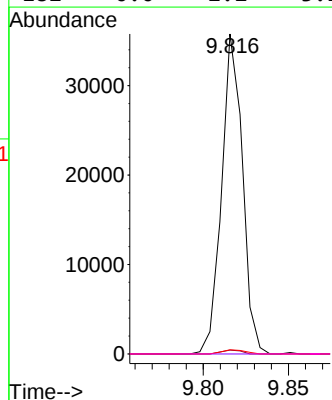
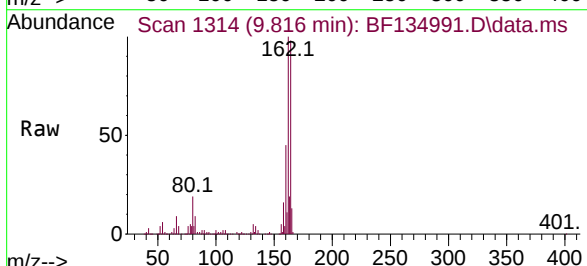
Ion Ratio Lower Upper

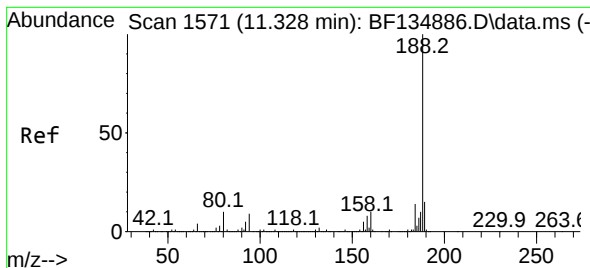
165 100

63 1.2 37.7 56.5#

89 1.3 54.2 81.4#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF134991.D

Acq: 29 Aug 2023 19:09

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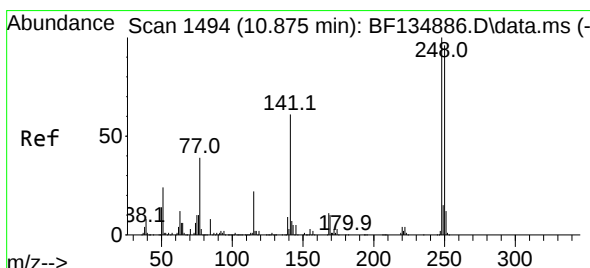
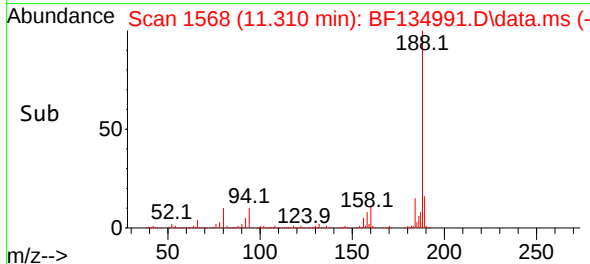
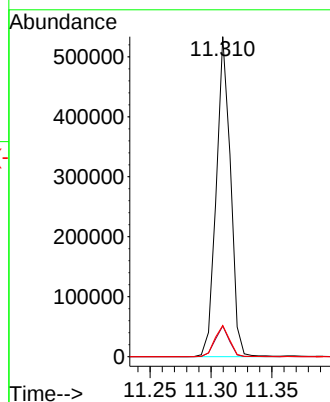
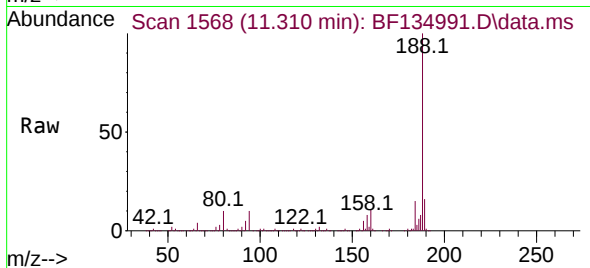
Tgt Ion:188 Resp: 433528

Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

80 9.7 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 5.336 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.259 min

Lab File: BF134991.D

Acq: 29 Aug 2023 19:09

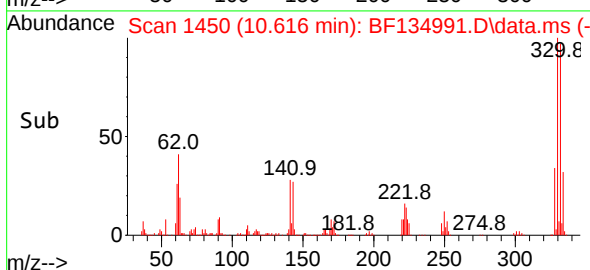
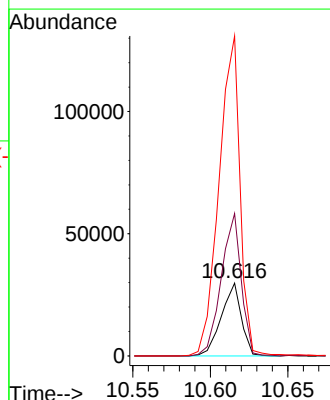
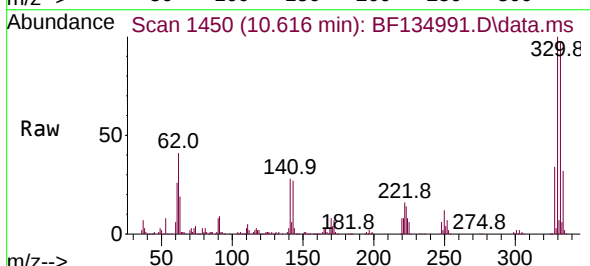
Tgt Ion:248 Resp: 26688

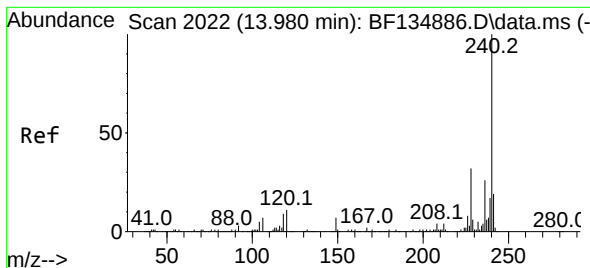
Ion Ratio Lower Upper

248 100

250 195.6 77.1 115.7#

141 439.8 49.0 73.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF134991.D

Acq: 29 Aug 2023 19:09

Instrument :

BNA_F

ClientSampleId :

FLY-ASH

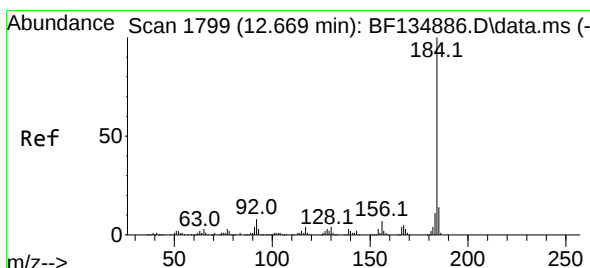
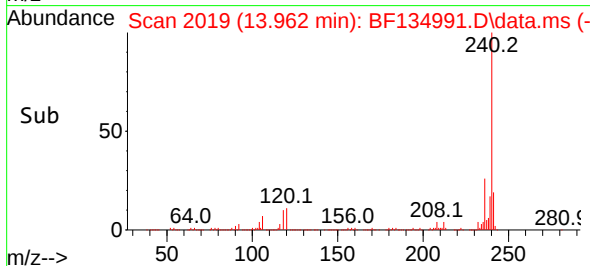
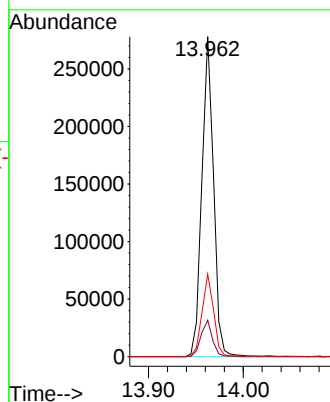
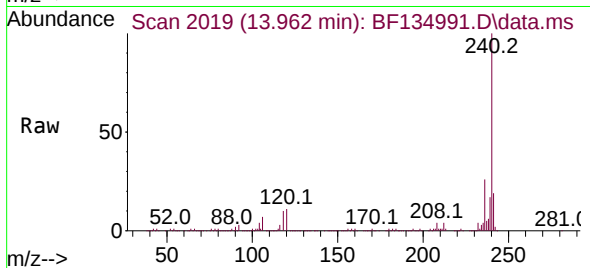
Tgt Ion:240 Resp: 238676

Ion Ratio Lower Upper

240 100

120 11.4 8.6 12.8

236 25.8 20.6 31.0



#77

Benzidine

Concen: 5.308 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.241 min

Lab File: BF134991.D

Acq: 29 Aug 2023 19:09

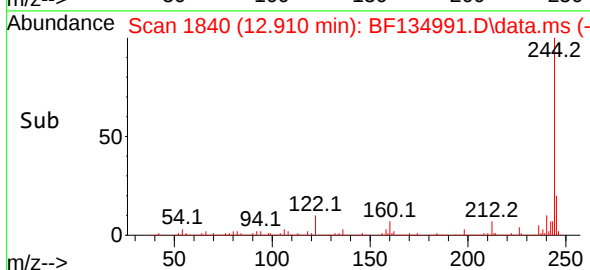
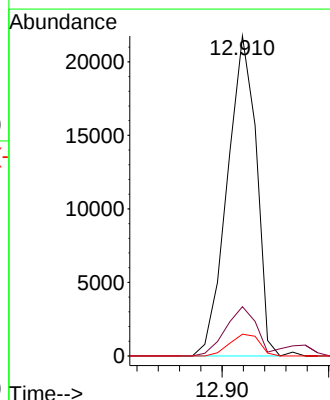
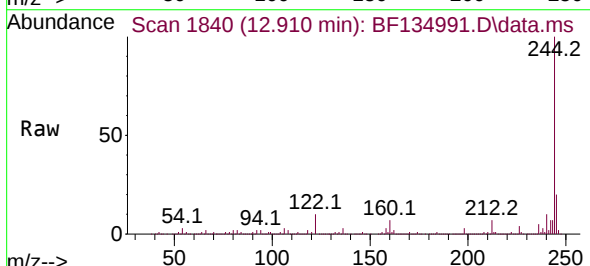
Tgt Ion:184 Resp: 20554

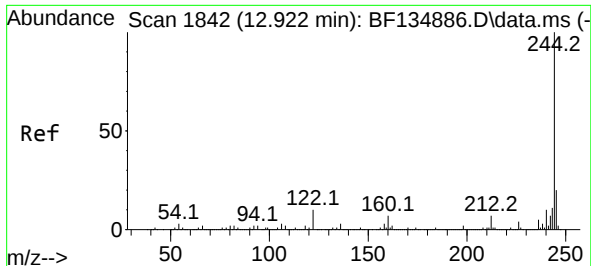
Ion Ratio Lower Upper

184 100

185 15.4 11.4 17.0

183 6.8 9.0 13.4#





#79

Terphenyl-d14

Concen: 91.530 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF134991.D

Acq: 29 Aug 2023 19:09

Instrument :

BNA_F

ClientSampleId :

FLY-ASH

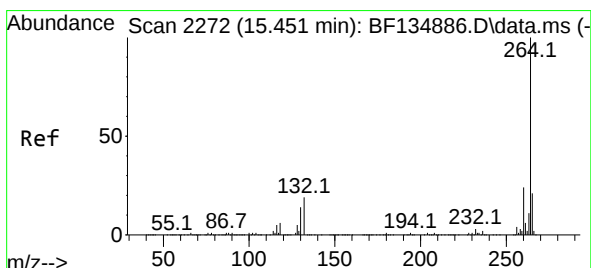
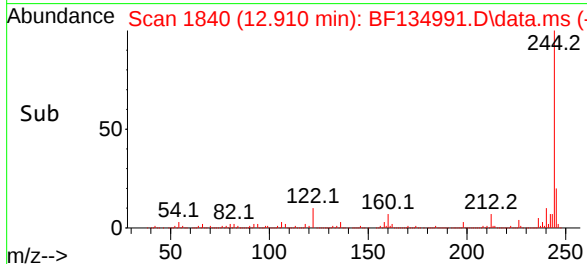
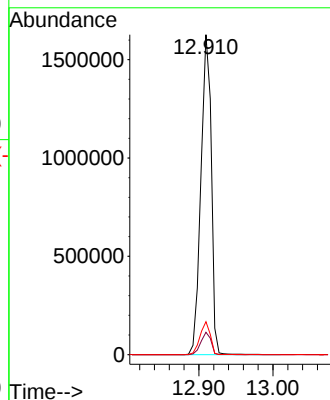
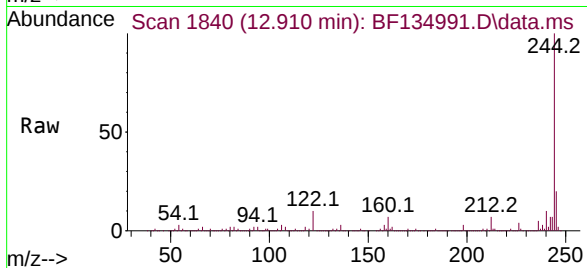
Tgt Ion:244 Resp: 1588344

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 10.3 8.2 12.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2269

Delta R.T. -0.018 min

Lab File: BF134991.D

Acq: 29 Aug 2023 19:09

Tgt Ion:264 Resp: 258305

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 21.2 17.1 25.7

