

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
 Data File : BF132269.D
 Acq On : 01 Feb 2023 20:03
 Operator : CG\JU
 Sample : 01366-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-013023

Quant Time: Feb 02 00:56:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 05:24:37 2023
 Response via : Initial Calibration

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

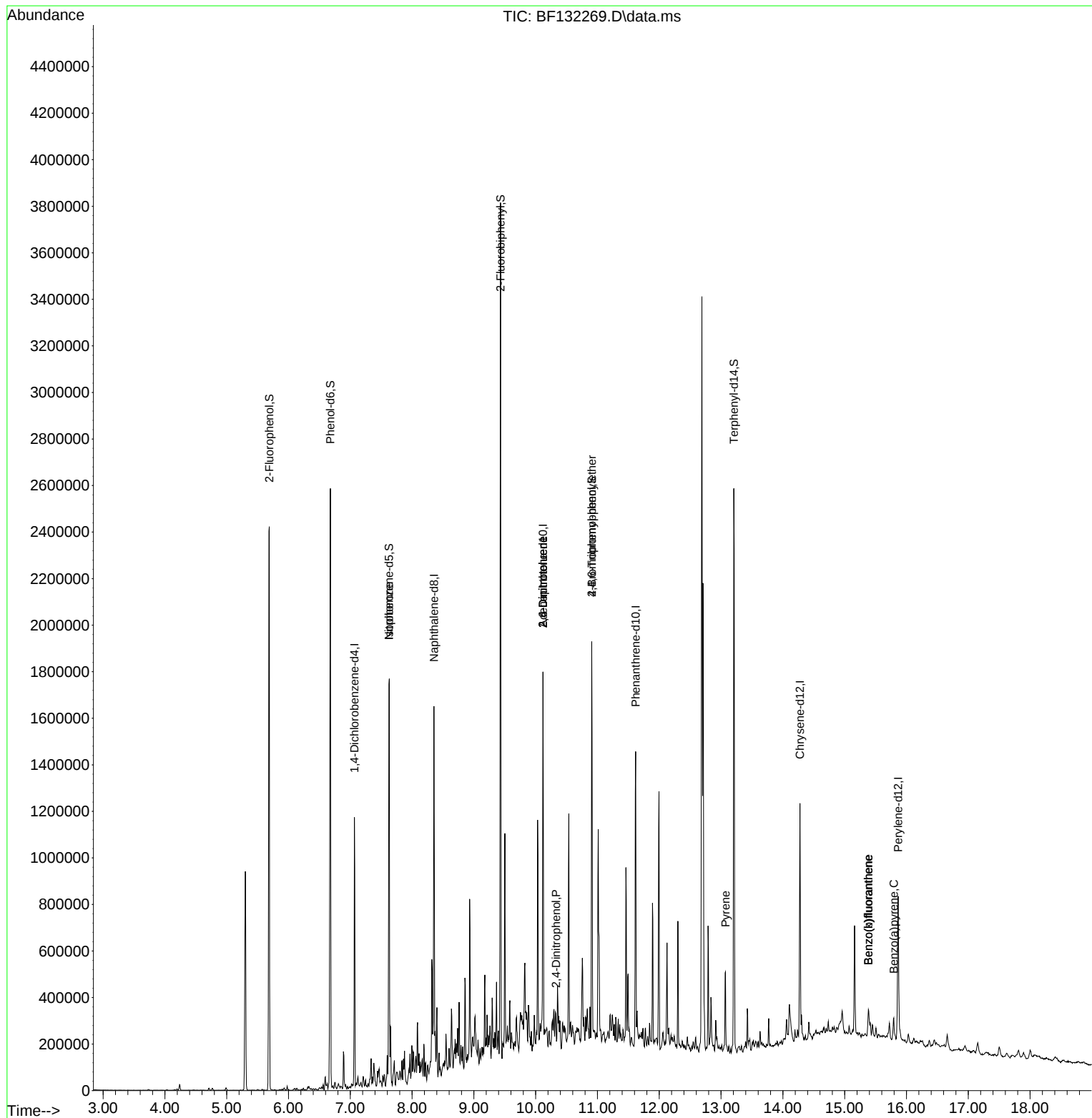
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.066	152	167304	20.000	ng	0.00
21) Naphthalene-d8	8.354	136	608224	20.000	ng	0.00
39) Acenaphthene-d10	10.119	164	281799	20.000	ng	0.00
64) Phenanthrene-d10	11.619	188	450535	20.000	ng	0.00
76) Chrysene-d12	14.277	240	307521	20.000	ng	-0.01
86) Perylene-d12	15.866	264	289067	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	807004	77.534	ng	0.00
7) Phenol-d6	6.678	99	988645	77.045	ng	0.00
23) Nitrobenzene-d5	7.625	82	595259	54.461	ng	-0.01
42) 2,4,6-Tribromophenol	10.907	330	200839	69.305	ng	-0.01
45) 2-Fluorobiphenyl	9.431	172	1006205	55.140	ng	0.00
79) Terphenyl-d14	13.207	244	845577	53.190	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.625	77	1057	Below Cal	#	1
25) Isophorone	7.625	82	595181	28.690	ng	# 64
51) 2,6-Dinitrotoluene	10.119	165	41901	9.518	ng	# 25
54) 2,4-Dinitrophenol	10.331	184	65	4.352	ng	# 1
57) 2,4-Dinitrotoluene	10.119	165	41901	7.327	ng	# 24
67) 4-Bromophenyl-phenylether	10.907	248	12116	2.626	ng	# 1
78) Pyrene	13.072	202	49503	2.001	ng	97
88) Benzo(b)fluoranthene	15.383	252	88822	4.834	ng	# 95
89) Benzo(k)fluoranthene	15.383	252	88822	5.064	ng	# 95
90) Benzo(a)pyrene	15.795	252	46926	2.743	ng	# 91

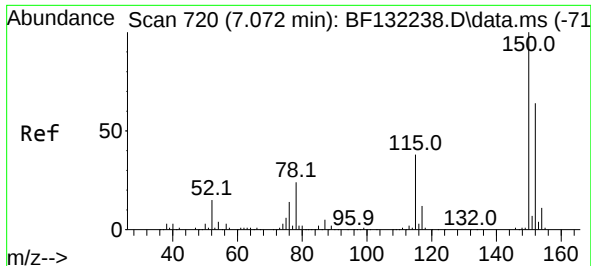
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

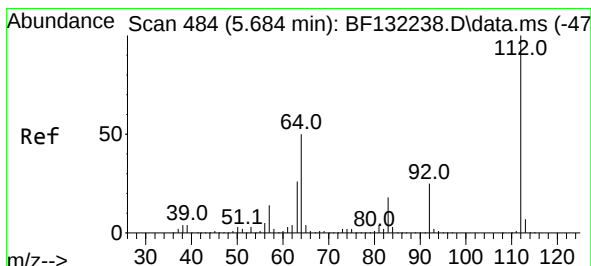
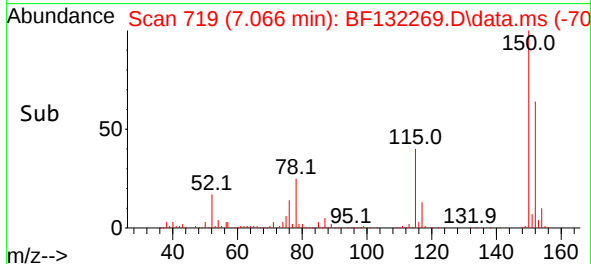
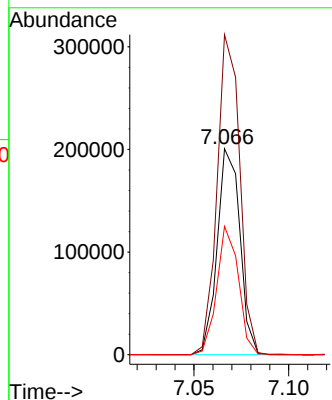
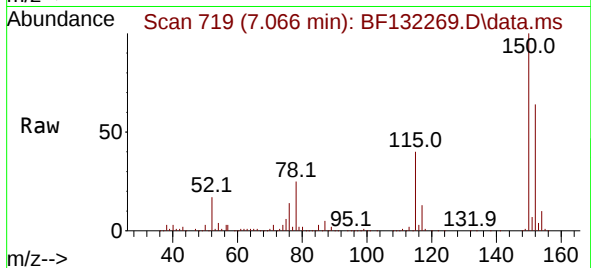




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.066 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF132269.D
 Acq: 01 Feb 2023 20:03

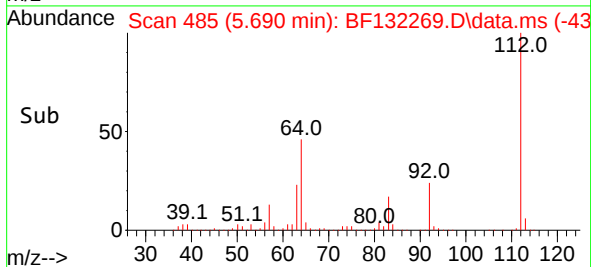
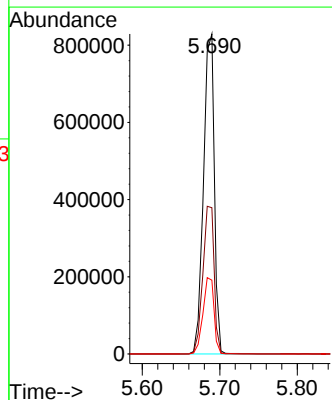
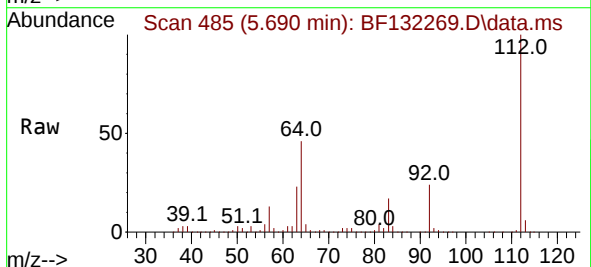
Instrument :
 BNA_F
 ClientSampleId :
 NB-07-013023

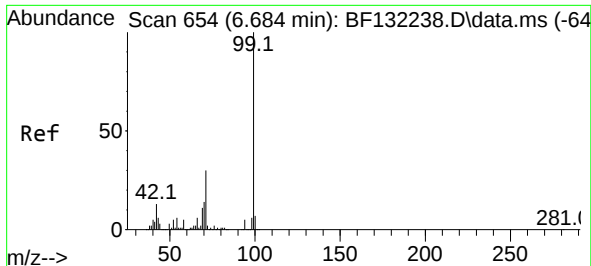
Tgt Ion:152 Resp: 167304
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.2 186.2
 115 62.3 47.3 70.9



#5
 2-Fluorophenol
 Concen: 77.534 ng
 RT: 5.690 min Scan# 485
 Delta R.T. 0.006 min
 Lab File: BF132269.D
 Acq: 01 Feb 2023 20:03

Tgt Ion:112 Resp: 807004
 Ion Ratio Lower Upper
 112 100
 64 45.7 40.0 60.0
 63 23.0 20.5 30.7

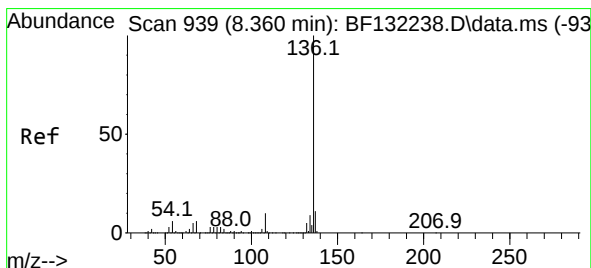
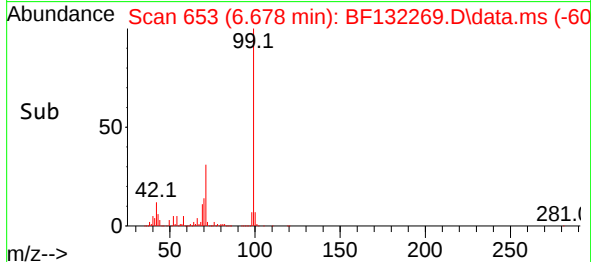
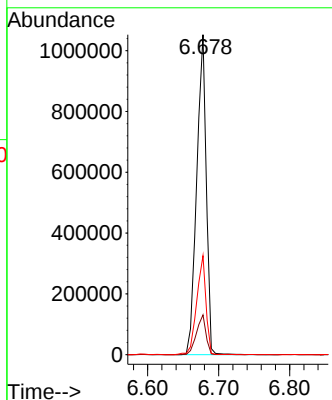
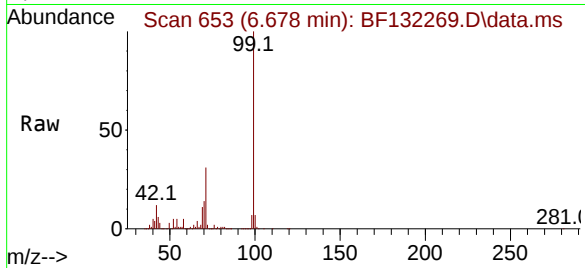




#7
Phenol-d6
Concen: 77.045 ng
RT: 6.678 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132269.D
Acq: 01 Feb 2023 20:03

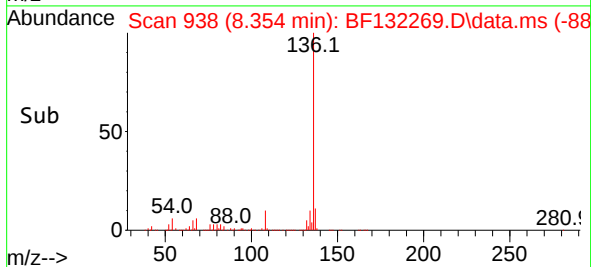
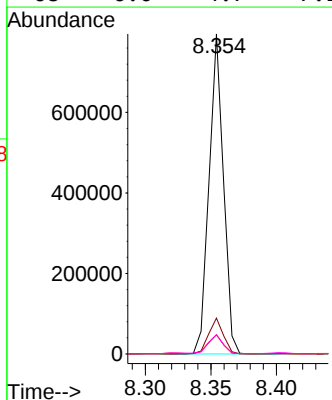
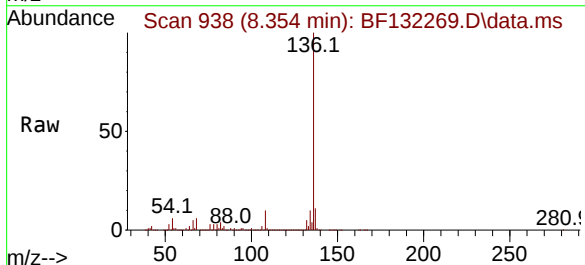
Instrument :
BNA_F
ClientSampleId :
NB-07-013023

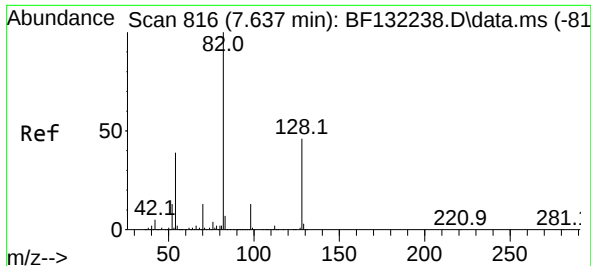
Tgt Ion: 99 Resp: 988645
Ion Ratio Lower Upper
99 100
42 12.5 10.1 15.1
71 30.9 24.2 36.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.354 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF132269.D
Acq: 01 Feb 2023 20:03

Tgt Ion: 136 Resp: 608224
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 6.0 4.9 7.3
68 6.0 4.7 7.1

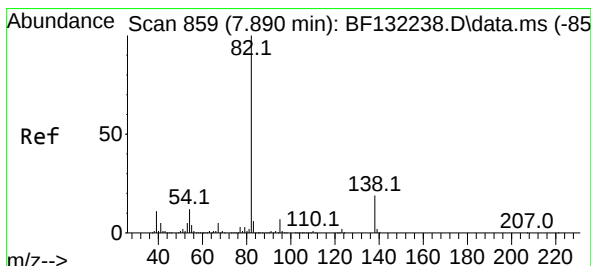
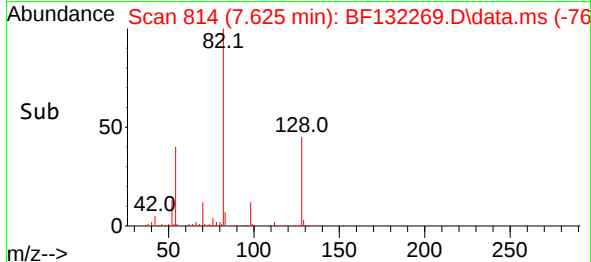
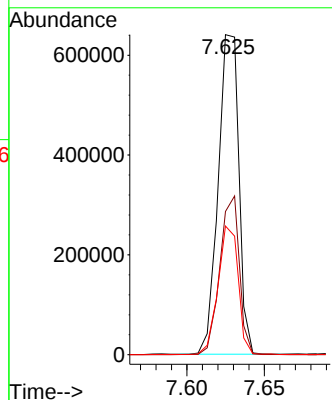
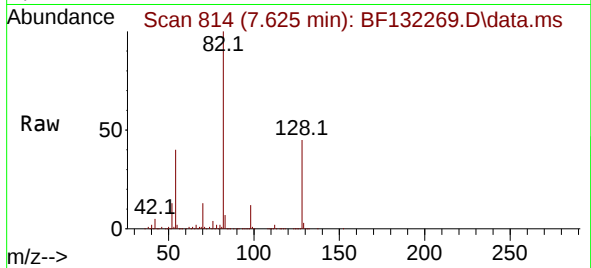




#23
Nitrobenzene-d5
Concen: 54.461 ng
RT: 7.625 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF132269.D
Acq: 01 Feb 2023 20:03

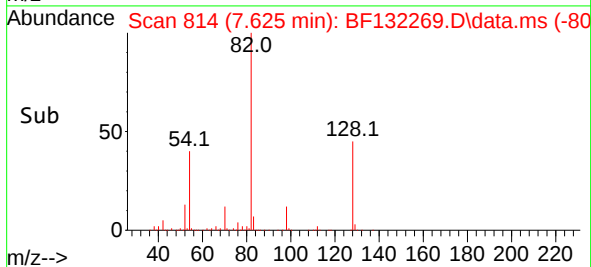
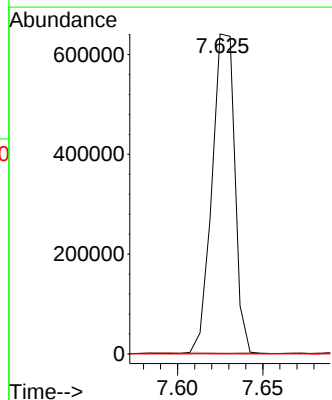
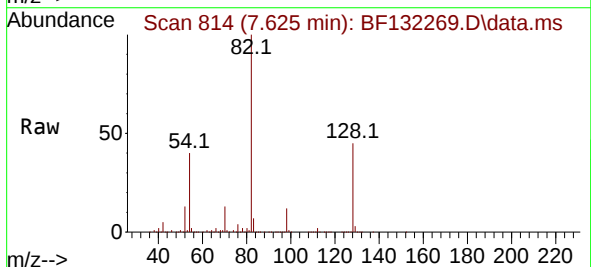
Instrument :
BNA_F
ClientSampleId :
NB-07-013023

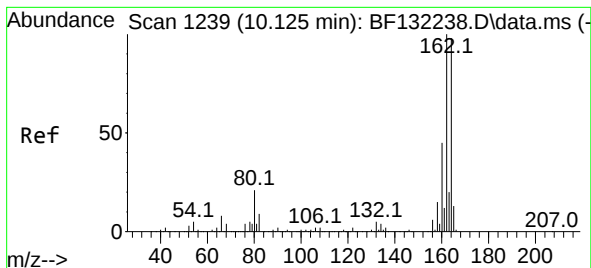
Tgt Ion: 82 Resp: 595259
Ion Ratio Lower Upper
82 100
128 44.8 37.0 55.4
54 40.2 31.5 47.3



#25
Isophorone
Concen: 28.690 ng
RT: 7.625 min Scan# 814
Delta R.T. -0.265 min
Lab File: BF132269.D
Acq: 01 Feb 2023 20:03

Tgt Ion: 82 Resp: 595181
Ion Ratio Lower Upper
82 100
95 0.2 5.6 8.4#
138 0.0 15.0 22.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.119 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132269.D

Acq: 01 Feb 2023 20:03

Instrument :

BNA_F

ClientSampleId :

NB-07-013023

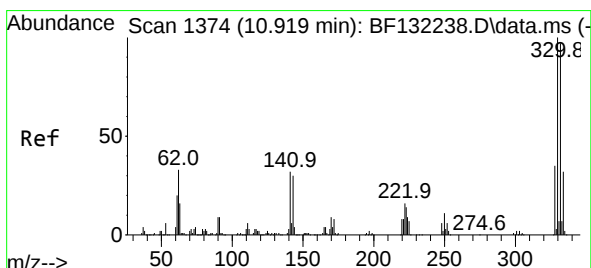
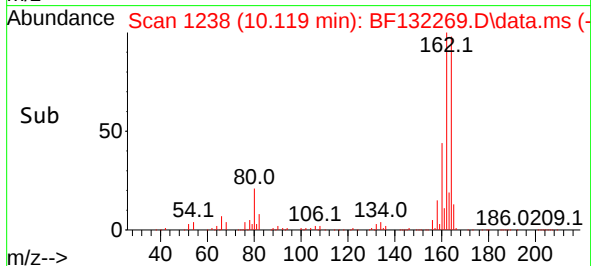
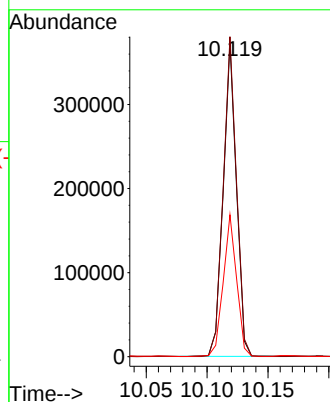
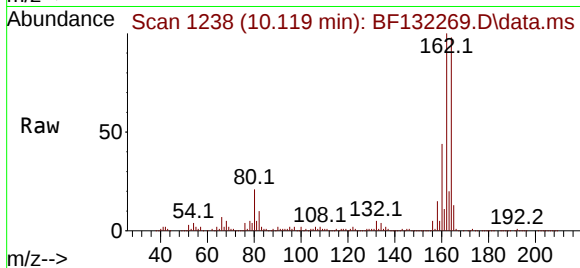
Tgt Ion:164 Resp: 281799

Ion Ratio Lower Upper

164 100

162 101.9 82.0 123.0

160 45.2 37.1 55.7



#42

2,4,6-Tribromophenol

Concen: 69.305 ng

RT: 10.907 min Scan# 1372

Delta R.T. -0.012 min

Lab File: BF132269.D

Acq: 01 Feb 2023 20:03

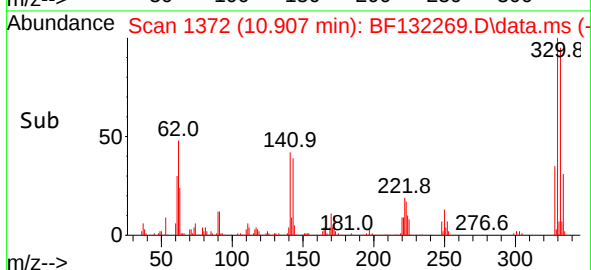
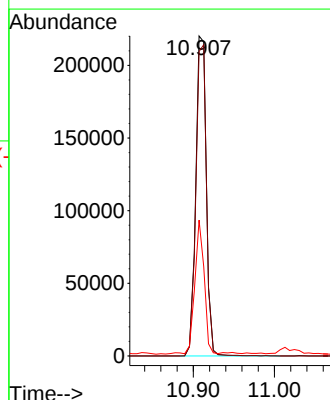
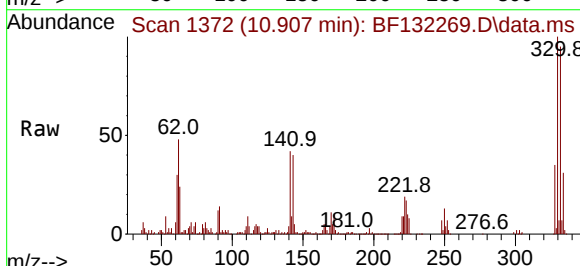
Tgt Ion:330 Resp: 200839

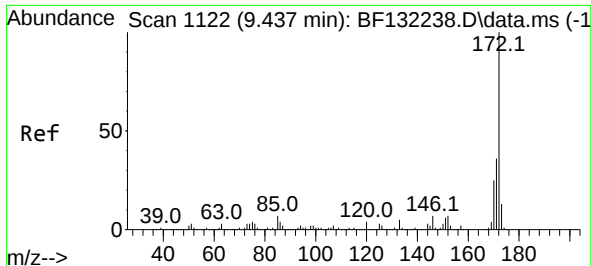
Ion Ratio Lower Upper

330 100

332 96.9 77.9 116.9

141 37.2 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 55.140 ng

RT: 9.431 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BF132269.D

Acq: 01 Feb 2023 20:03

Instrument :

BNA_F

ClientSampleId :

NB-07-013023

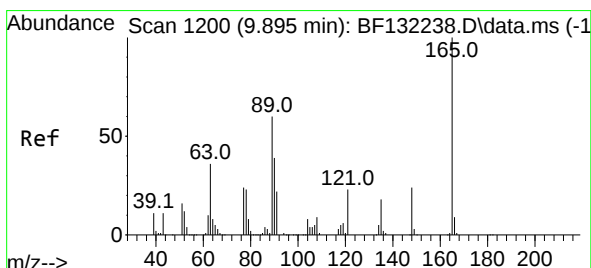
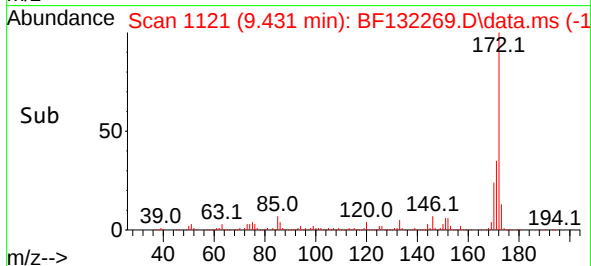
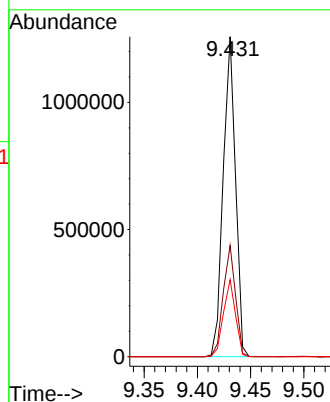
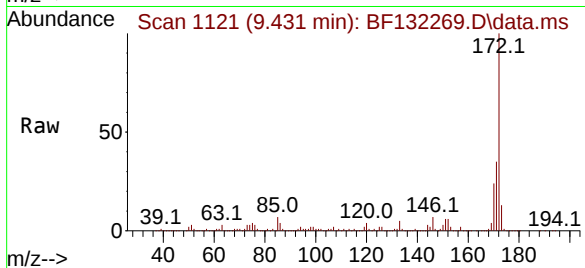
Tgt Ion:172 Resp: 1006205

Ion Ratio Lower Upper

172 100

171 34.7 28.6 43.0

170 24.1 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 9.518 ng

RT: 10.119 min Scan# 1238

Delta R.T. 0.224 min

Lab File: BF132269.D

Acq: 01 Feb 2023 20:03

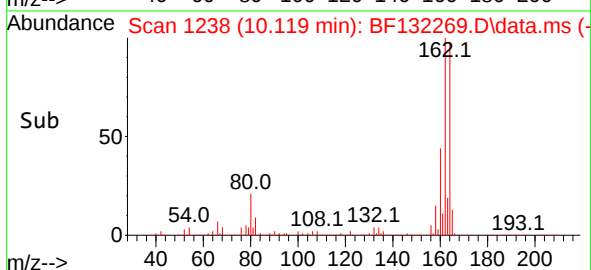
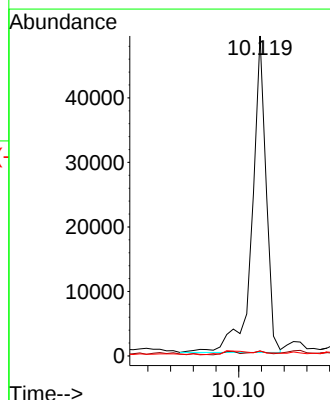
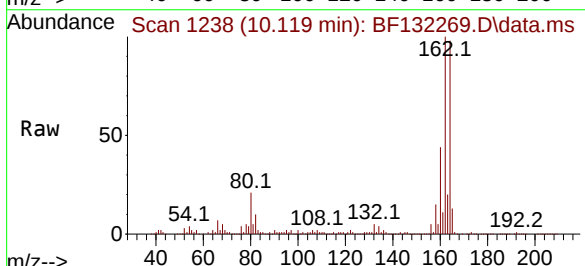
Tgt Ion:165 Resp: 41901

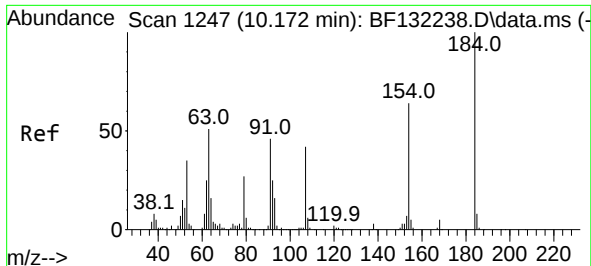
Ion Ratio Lower Upper

165 100

63 1.6 41.5 62.3#

89 1.5 48.1 72.1#

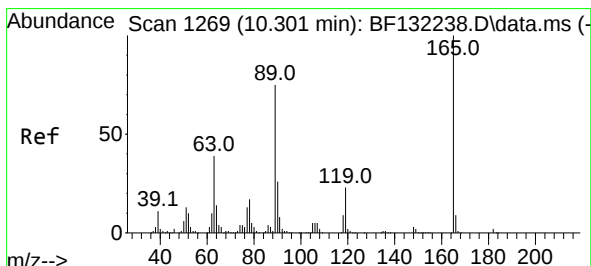
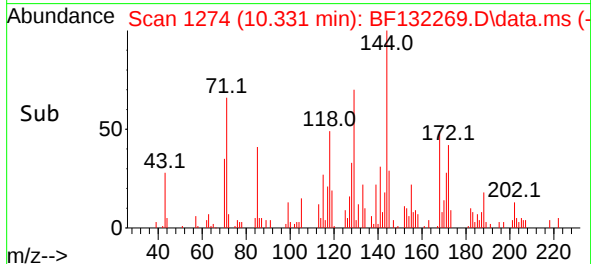
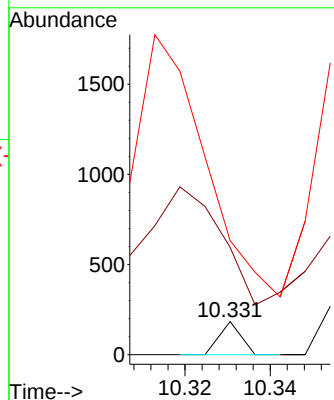
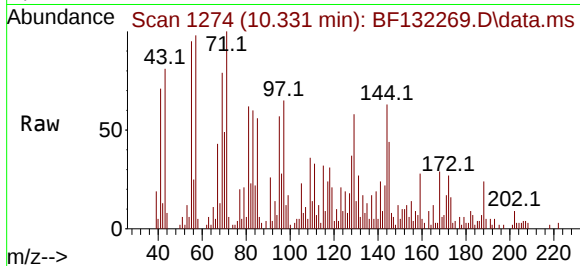




#54
2,4-Dinitrophenol
Concen: 4.352 ng
RT: 10.331 min Scan# 11
Delta R.T. 0.159 min
Lab File: BF132269.D
Acq: 01 Feb 2023 20:03

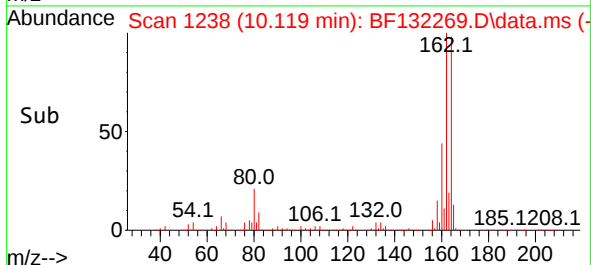
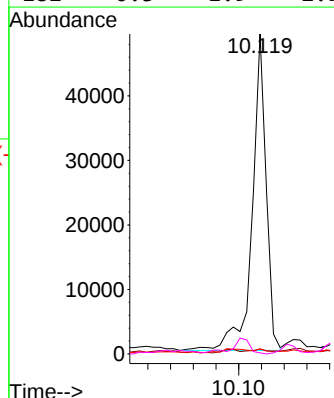
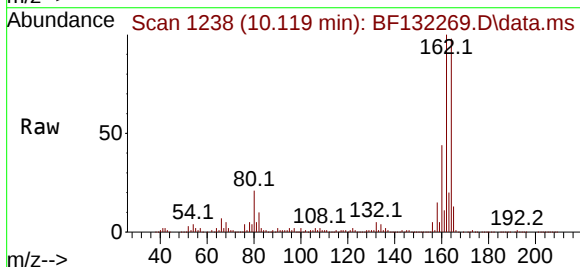
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NB-07-013023

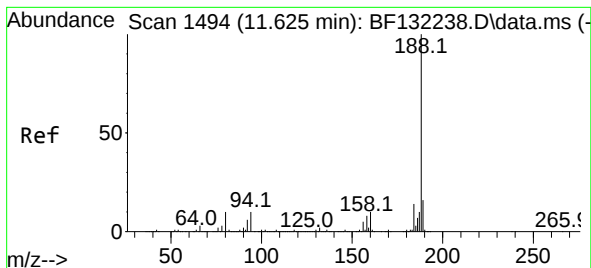
Tgt Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 323.9 41.6 62.4#
154 344.0 57.0 85.6#



#57
2,4-Dinitrotoluene
Concen: 7.327 ng
RT: 10.119 min Scan# 1238
Delta R.T. -0.182 min
Lab File: BF132269.D
Acq: 01 Feb 2023 20:03

Tgt Ion:165 Resp: 41901
Ion Ratio Lower Upper
165 100
63 1.6 30.9 46.3#
89 1.5 60.1 90.1#
182 0.3 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.619 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF132269.D

Acq: 01 Feb 2023 20:03

Instrument :

BNA_F

ClientSampleId :

NB-07-013023

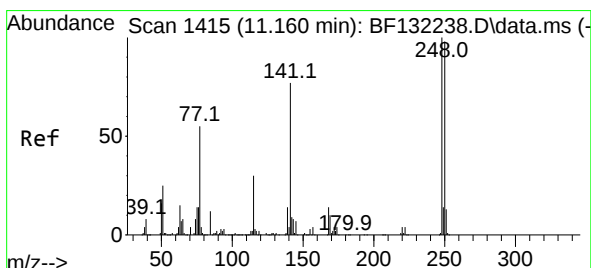
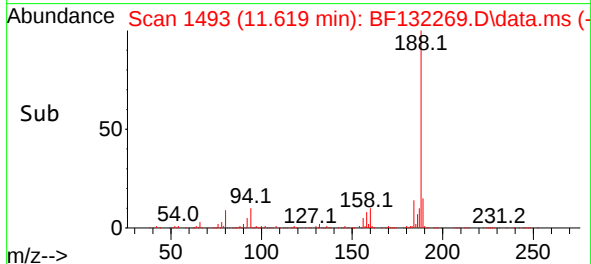
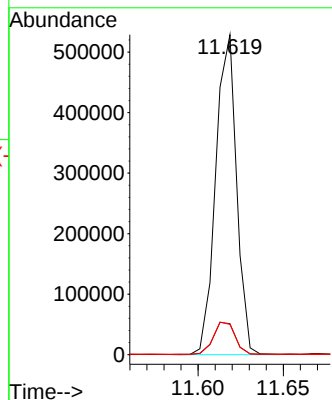
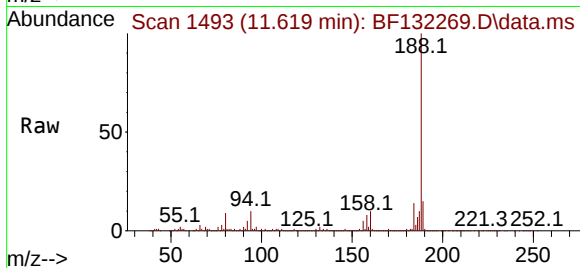
Tgt Ion:188 Resp: 450535

Ion Ratio Lower Upper

188 100

94 9.7 8.2 12.2

80 9.5 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 2.626 ng

RT: 10.907 min Scan# 1372

Delta R.T. -0.253 min

Lab File: BF132269.D

Acq: 01 Feb 2023 20:03

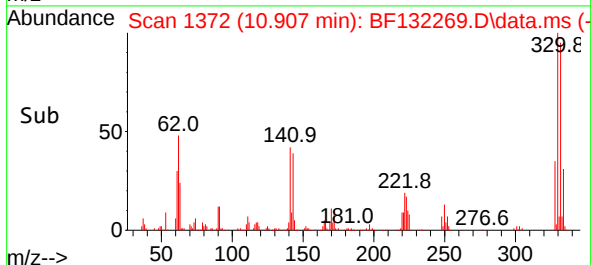
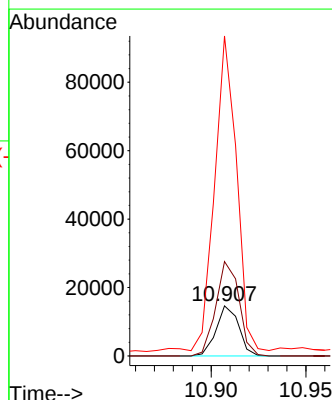
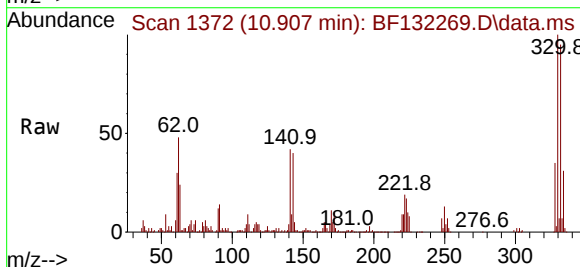
Tgt Ion:248 Resp: 12116

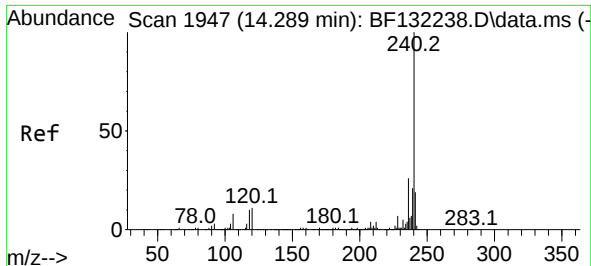
Ion Ratio Lower Upper

248 100

250 188.9 78.6 117.8#

141 639.9 61.6 92.4#

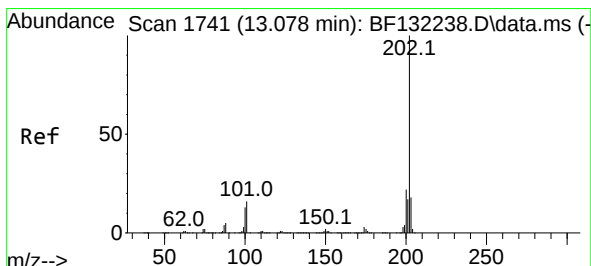
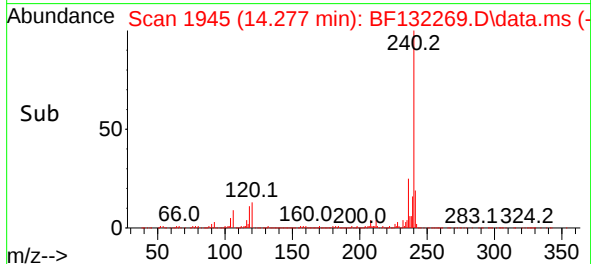
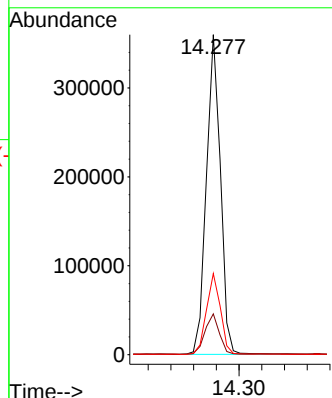
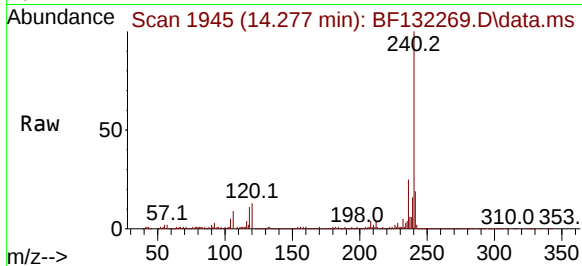




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.277 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BF132269.D
Acq: 01 Feb 2023 20:03

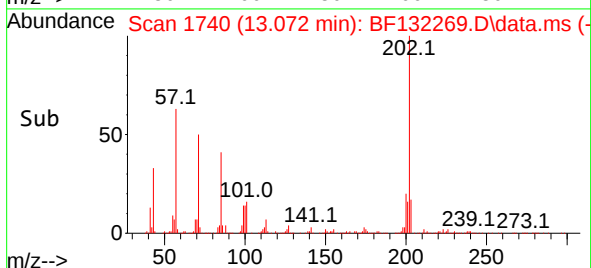
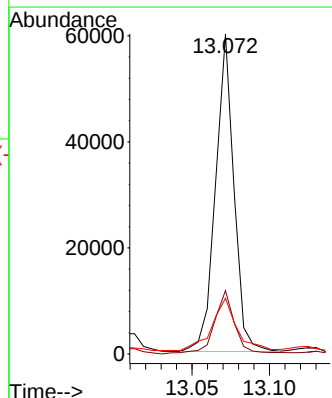
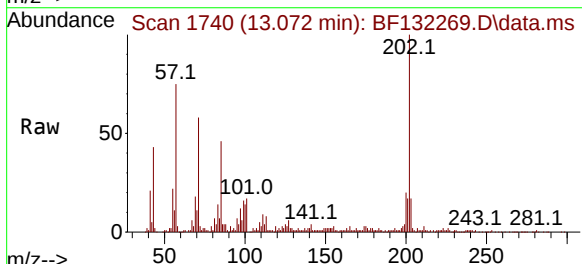
Instrument :
BNA_F
ClientSampleId :
NB-07-013023

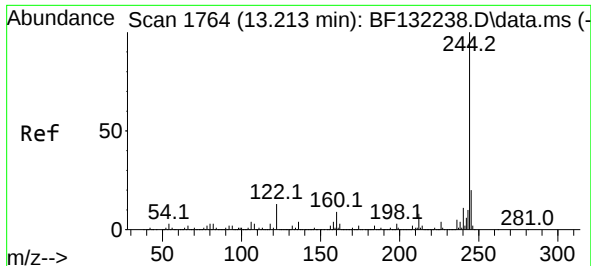
Tgt Ion:240 Resp: 307521
Ion Ratio Lower Upper
240 100
120 12.8 8.8 13.2
236 25.4 21.0 31.6



#78
Pyrene
Concen: 2.001 ng
RT: 13.072 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BF132269.D
Acq: 01 Feb 2023 20:03

Tgt Ion:202 Resp: 49503
Ion Ratio Lower Upper
202 100
200 19.8 17.3 25.9
203 17.4 14.4 21.6

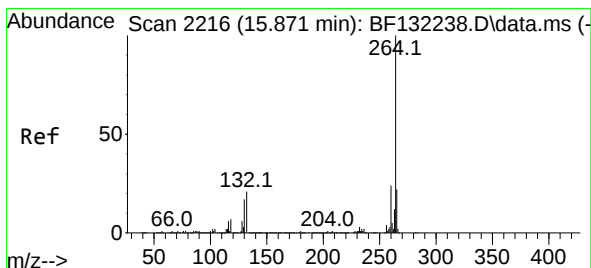
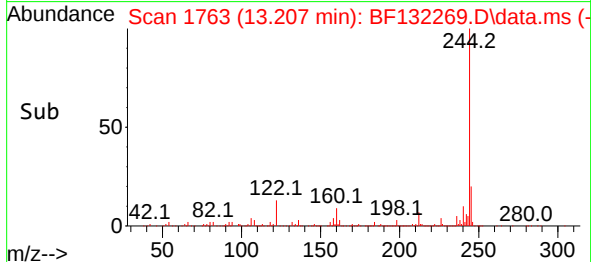
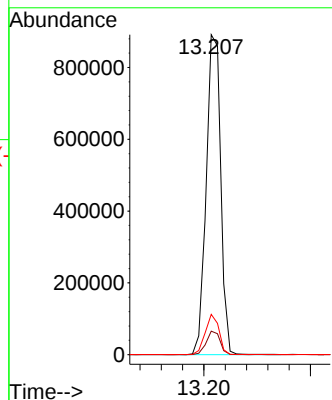
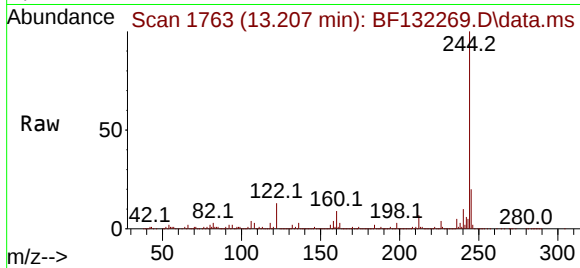




#79
 Terphenyl-d14
 Concen: 53.190 ng
 RT: 13.207 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132269.D
 Acq: 01 Feb 2023 20:03

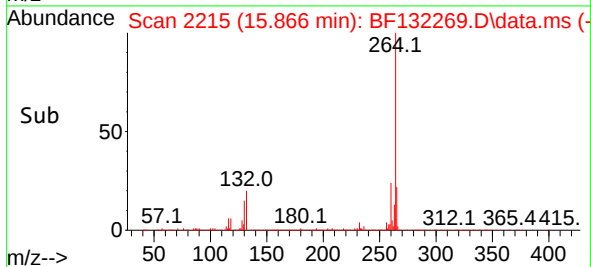
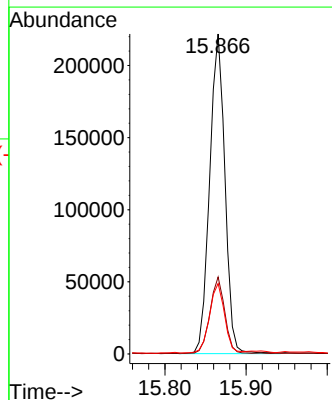
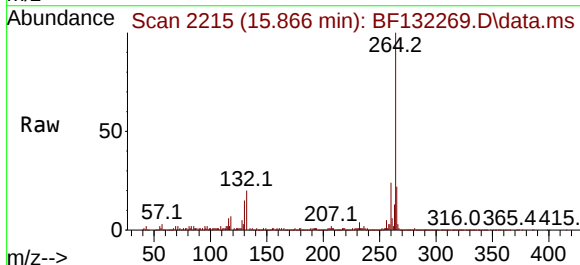
Instrument :
 BNA_F
 ClientSampleId :
 NB-07-013023

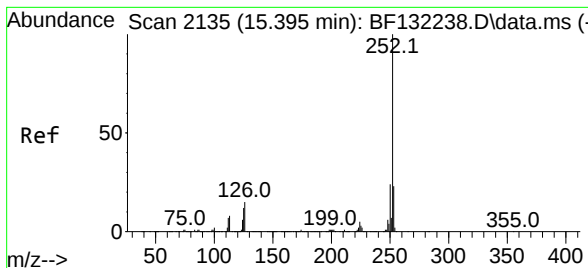
Tgt Ion:244 Resp: 845577
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.4 9.6
 122 12.6 10.5 15.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.866 min Scan# 2215
 Delta R.T. -0.006 min
 Lab File: BF132269.D
 Acq: 01 Feb 2023 20:03

Tgt Ion:264 Resp: 289067
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.4
 265 22.0 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 4.834 ng

RT: 15.383 min Scan# 2133

Delta R.T. -0.012 min

Lab File: BF132269.D

Acq: 01 Feb 2023 20:03

Instrument :

BNA_F

ClientSampleId :

NB-07-013023

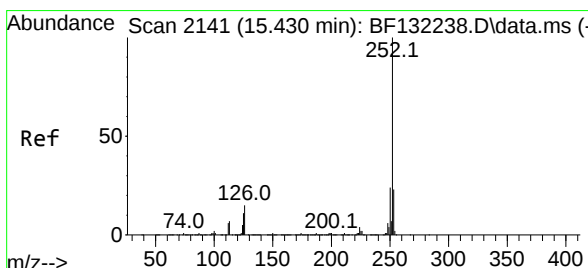
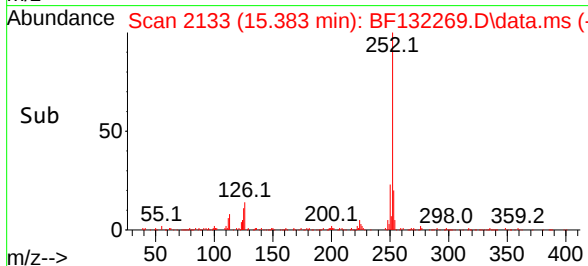
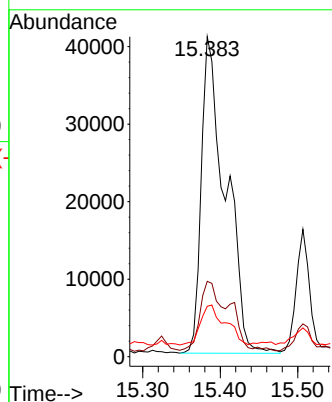
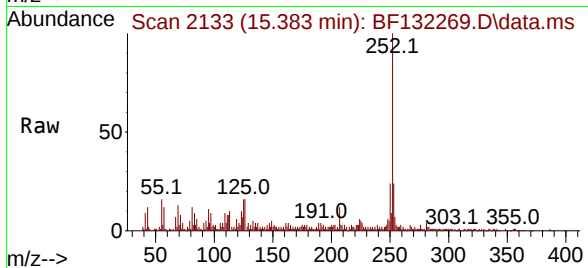
Tgt Ion:252 Resp: 88822

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

125 15.8 9.6 14.4#



#89

Benzo(k)fluoranthene

Concen: 5.064 ng

RT: 15.383 min Scan# 2133

Delta R.T. -0.047 min

Lab File: BF132269.D

Acq: 01 Feb 2023 20:03

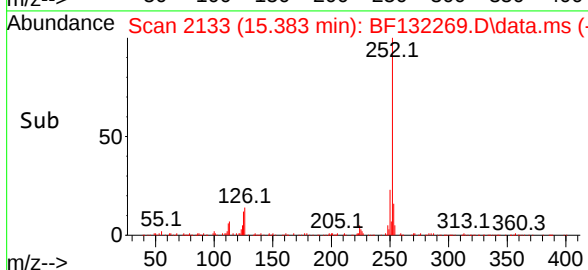
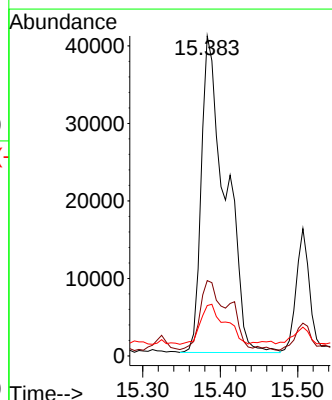
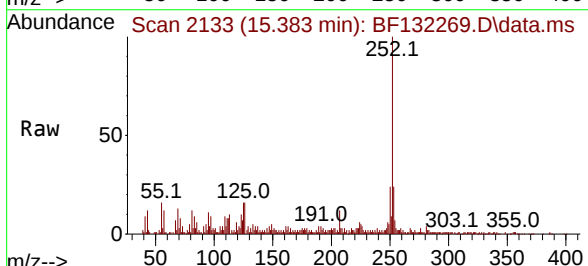
Tgt Ion:252 Resp: 88822

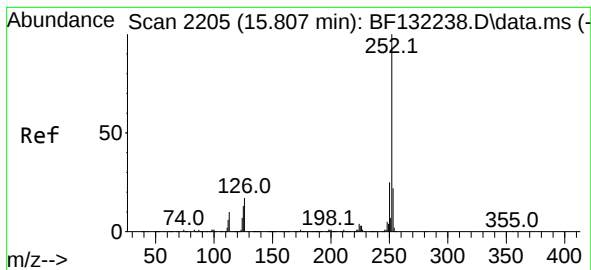
Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

125 15.8 9.0 13.6#





#90

Benzo(a)pyrene

Concen: 2.743 ng

RT: 15.795 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF132269.D

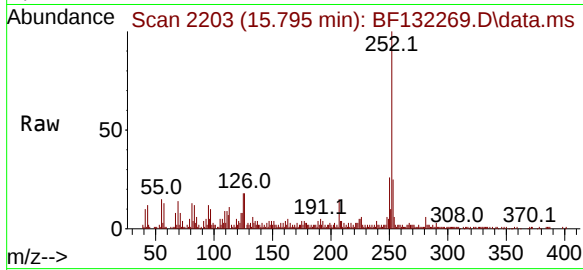
Acq: 01 Feb 2023 20:03

Instrument :

BNA_F

ClientSampleId :

NB-07-013023



Tgt Ion:252 Resp: 46926

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.8

125 17.8 10.2 15.4#

