

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
 Data File : BF132053.D
 Acq On : 12 Jan 2023 21:27
 Operator : CG\JU
 Sample : 01064-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-14-02

Quant Time: Jan 13 01:39:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 23:59:08 2023
 Response via : Initial Calibration

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

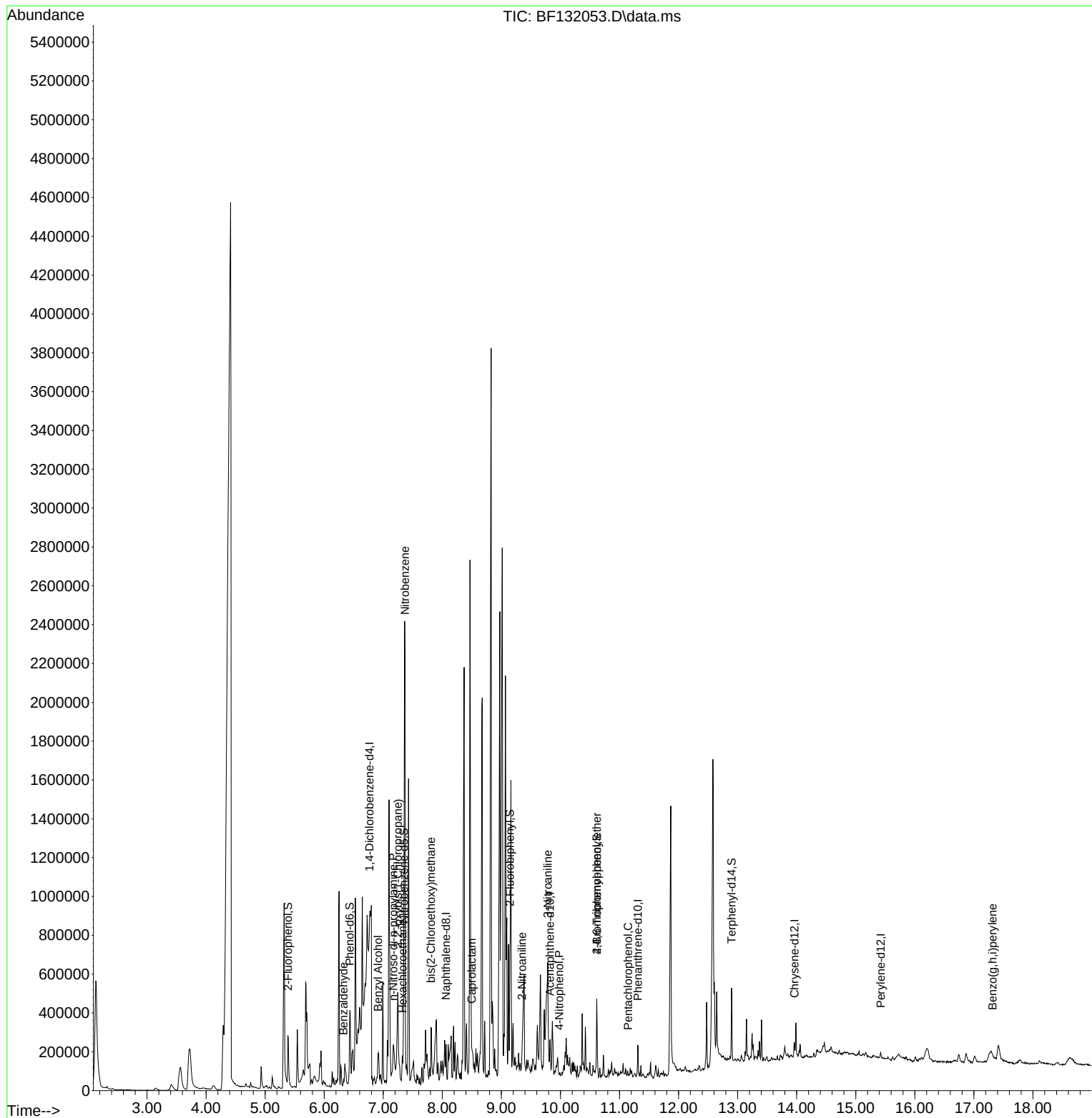
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	12712	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	46817	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	24266	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	43290	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	24070	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	9963	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	79444	102.979	ng	0.00
7) Phenol-d6	6.434	99	101350	99.084	ng	0.01
23) Nitrobenzene-d5	7.345	82	62910	55.770	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	21119	75.694	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	124566	69.298	ng	0.00
79) Terphenyl-d14	12.898	244	116369	69.293	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.328	77	6963	10.231	ng	93
15) Benzyl Alcohol	6.910	79	2806	3.150	ng	# 50
16) 2,2'-oxybis(1-Chloropr...	7.245	45	12968	11.946	ng	91
18) Hexachloroethane	7.328	117	6014	16.671	ng	# 1
19) n-Nitroso-di-n-propyla...	7.169	70	32913	44.482	ng	# 56
24) Nitrobenzene	7.369	77	6989	6.086	ng	# 1
28) bis(2-Chloroethoxy)met...	7.810	93	3935	3.374	ng	# 75
35) Caprolactam	8.498	113	1947	8.581	ng	# 1
48) 2-Nitroaniline	9.351	65	1208	2.288	ng	# 20
53) 3-Nitroaniline	9.786	138	1049	2.718	ng	# 1
56) 4-Nitrophenol	9.981	139	536	2.466	ng	90
67) 4-Bromophenyl-phenylether	10.616	248	1618	2.988	ng	# 1
70) Pentachlorophenol	11.145	266	56	4.539	ng	# 17
92) Benzo(g,h,i)perylene	17.315	276	534	4.427	ng	# 1

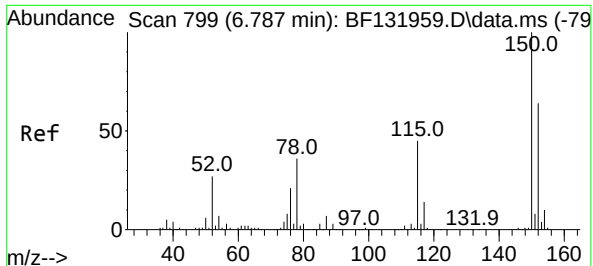
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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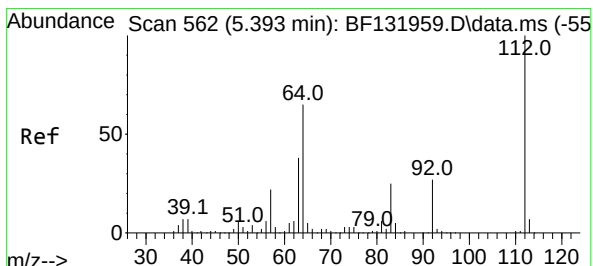
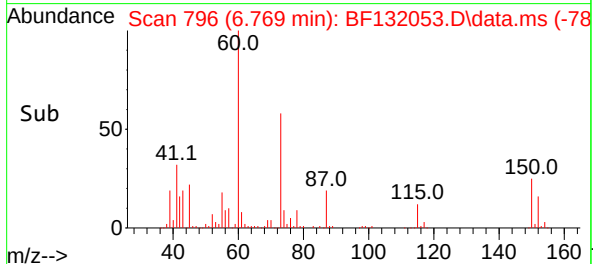
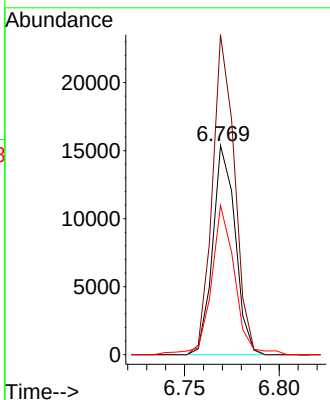
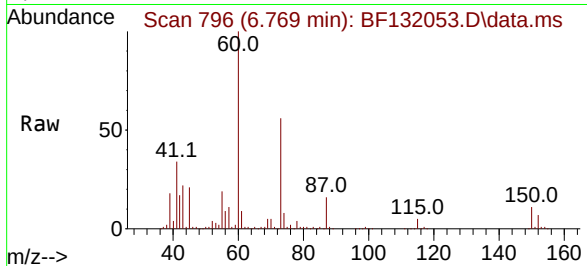




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

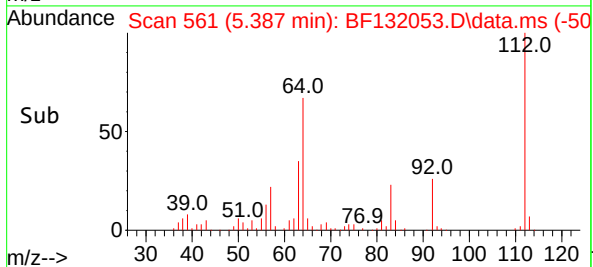
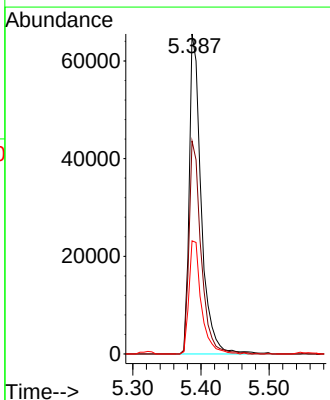
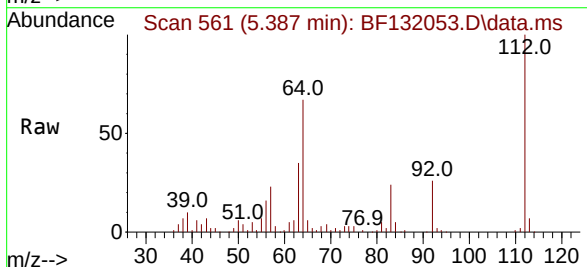
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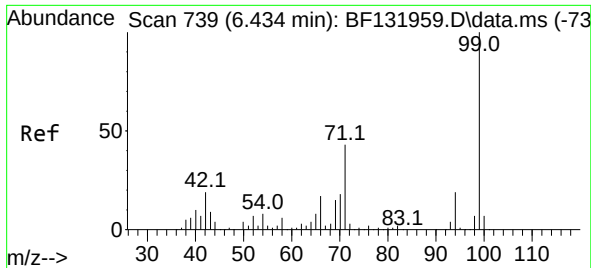
Tgt Ion:152 Resp: 12712
Ion Ratio Lower Upper
152 100
150 152.9 124.6 186.8
115 71.3 55.6 83.4



#5
2-Fluorophenol
Concen: 102.979 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

Tgt Ion:112 Resp: 79444
Ion Ratio Lower Upper
112 100
64 66.5 51.9 77.9
63 35.4 30.2 45.2

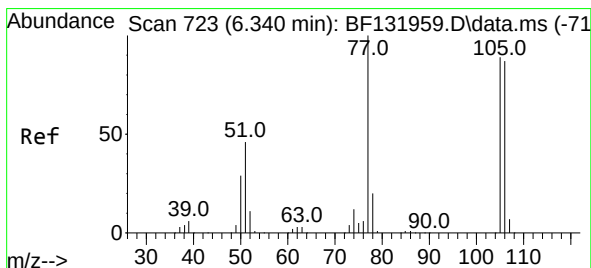
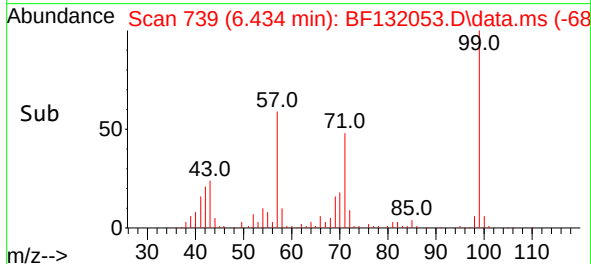
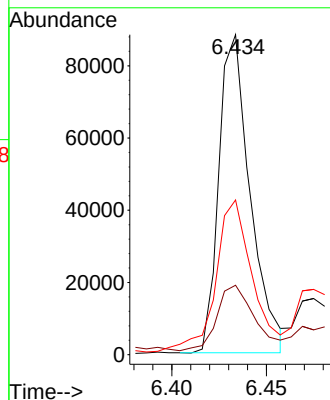
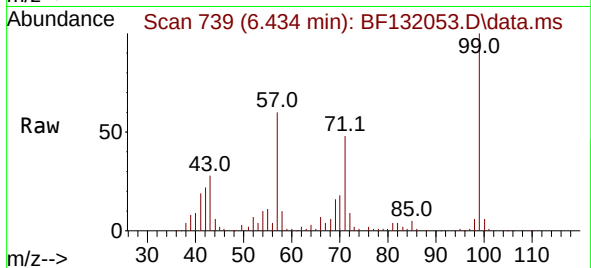




#7
Phenol-d6
Concen: 99.084 ng
RT: 6.434 min Scan# 711
Delta R.T. 0.012 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

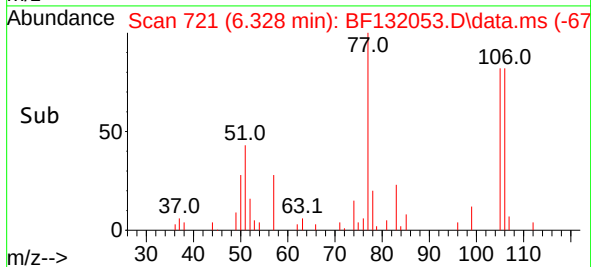
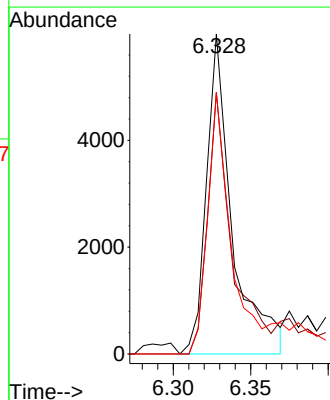
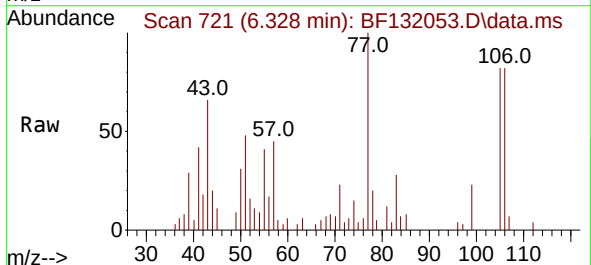
Instrument :
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ClientSampleId :
S-14-02

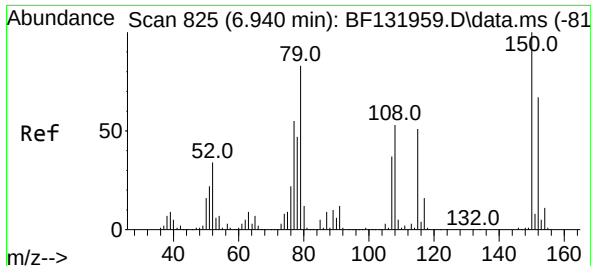
Tgt Ion: 99 Resp: 101350
Ion Ratio Lower Upper
99 100
42 21.7 15.4 23.2
71 48.4 34.6 51.8



#9
Benzaldehyde
Concen: 10.231 ng
RT: 6.328 min Scan# 721
Delta R.T. 0.000 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

Tgt Ion: 77 Resp: 6963
Ion Ratio Lower Upper
77 100
105 81.8 69.0 109.0
106 81.7 67.0 107.0

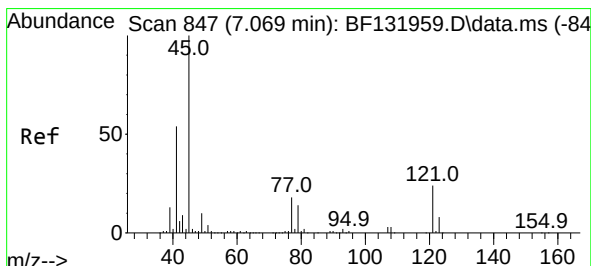
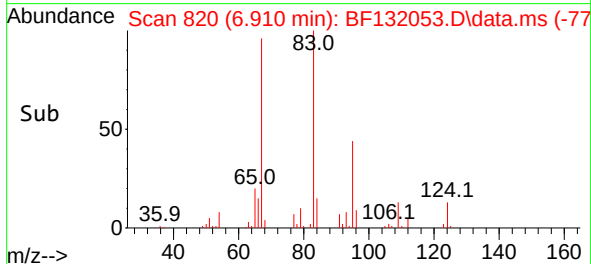
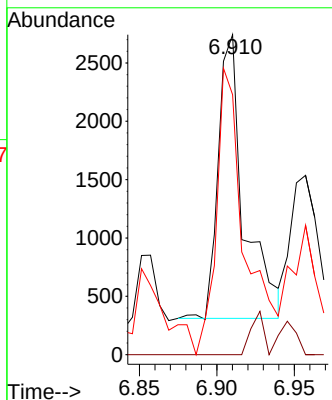
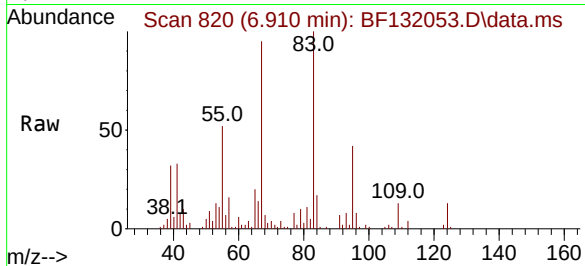




#15
Benzyl Alcohol
Concen: 3.150 ng
RT: 6.910 min Scan# 810
Delta R.T. -0.018 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

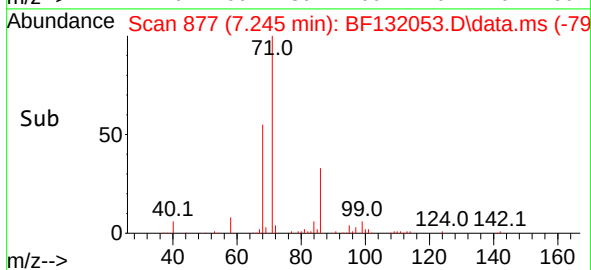
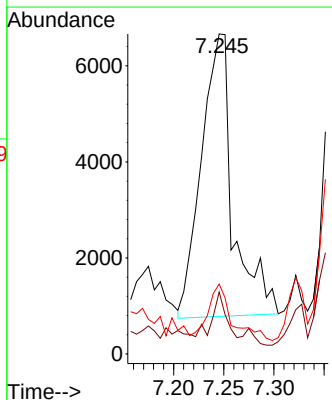
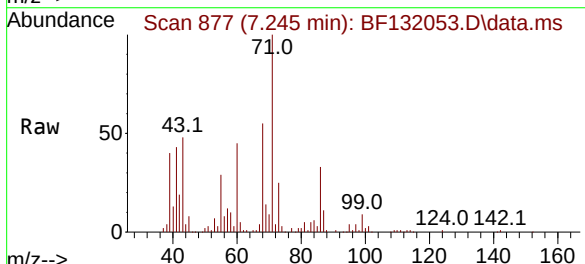
Instrument :
BNA_F
ClientSampleId :
S-14-02

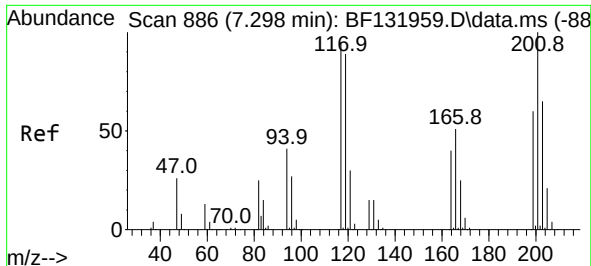
Tgt Ion: 79 Resp: 2806
Ion Ratio Lower Upper
79 100
108 0.0 51.7 77.5#
77 81.3 52.9 79.3#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.946 ng
RT: 7.245 min Scan# 877
Delta R.T. 0.188 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

Tgt Ion: 45 Resp: 12968
Ion Ratio Lower Upper
45 100
77 19.4 0.0 38.1
79 21.8 0.0 34.6

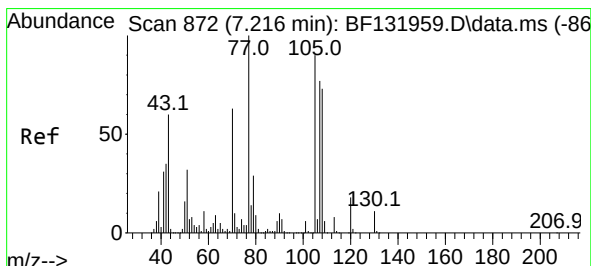
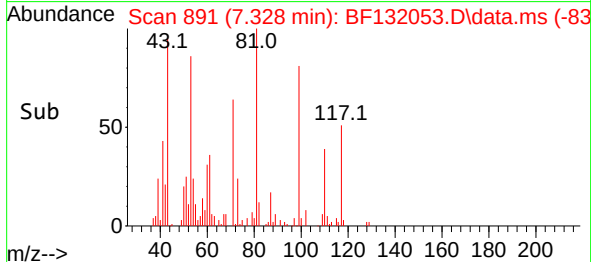
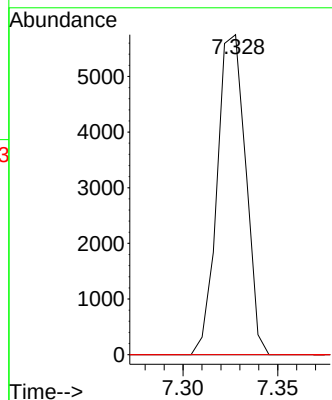
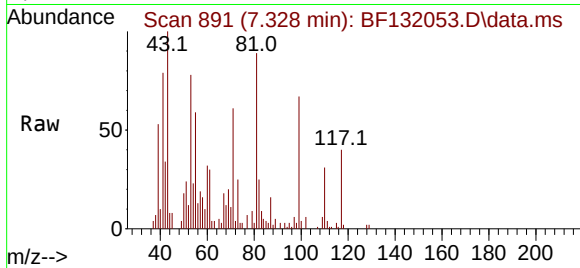




#18
Hexachloroethane
Concen: 16.671 ng
RT: 7.328 min Scan# 891
Delta R.T. 0.047 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

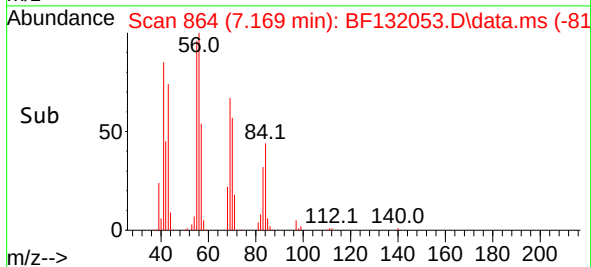
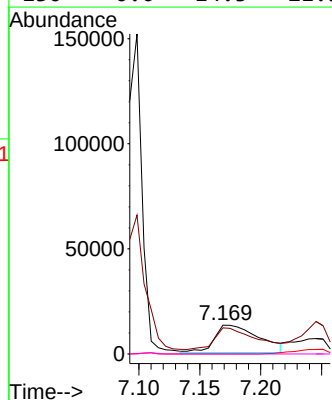
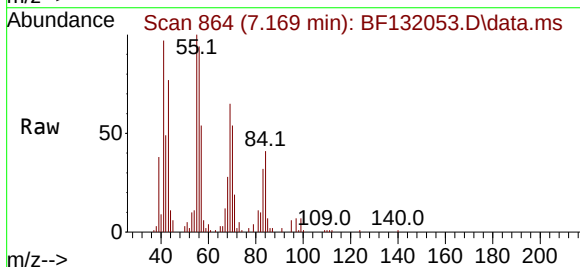
Instrument :
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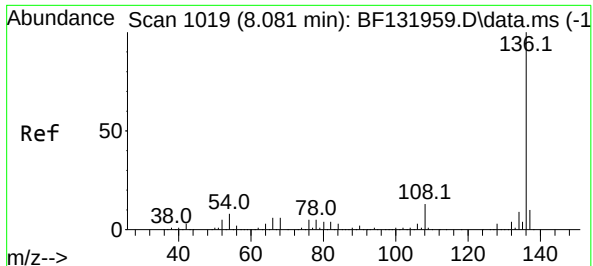
Tgt Ion:117 Resp: 6014
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
201 0.0 84.2 126.4#



#19
n-Nitroso-di-n-propylamine
Concen: 44.482 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.029 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

Tgt Ion: 70 Resp: 32913
Ion Ratio Lower Upper
70 100
42 90.8 44.3 66.5#
101 0.0 7.5 11.3#
130 0.0 14.3 21.5#

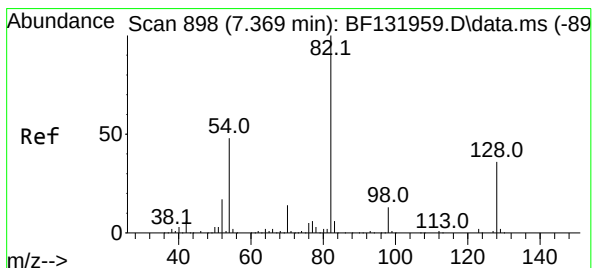
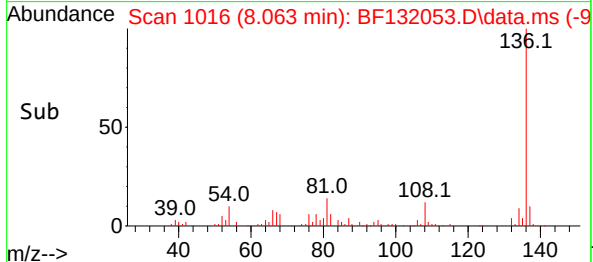
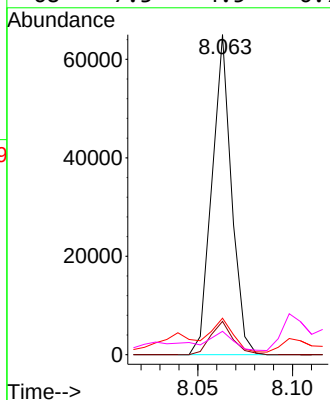
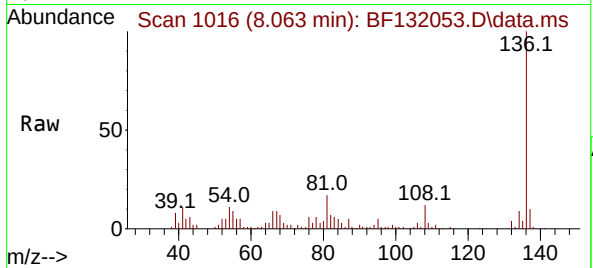




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

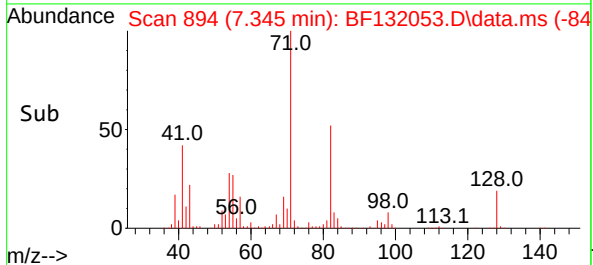
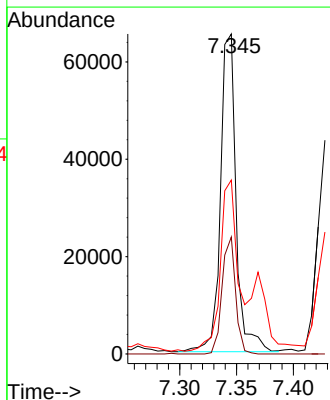
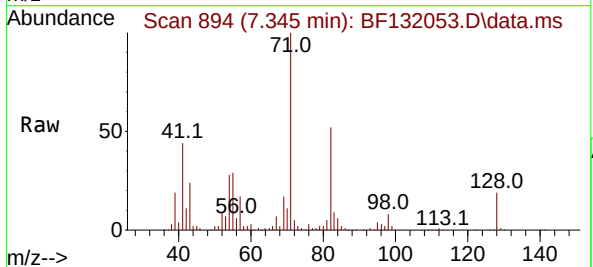
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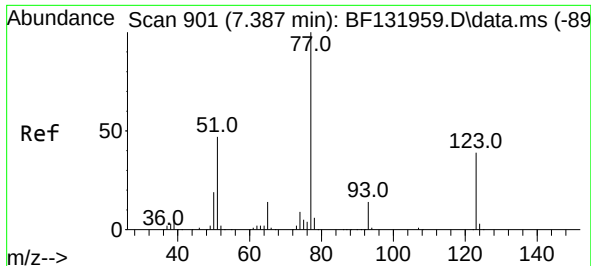
Tgt Ion:	136	Resp:	46817
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.2	12.2
54	11.4	6.6	9.8#
68	7.3	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 55.770 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

Tgt Ion:	82	Resp:	62910
Ion	Ratio	Lower	Upper
82	100		
128	36.6	28.7	43.1
54	54.4	38.1	57.1

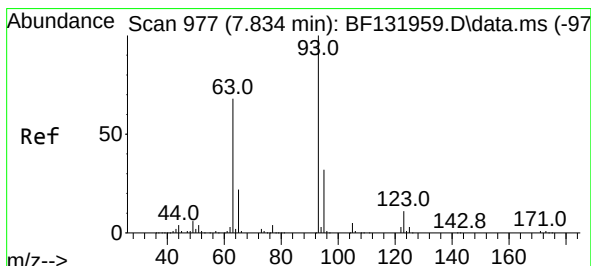
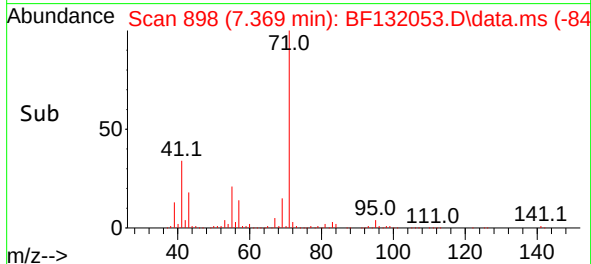
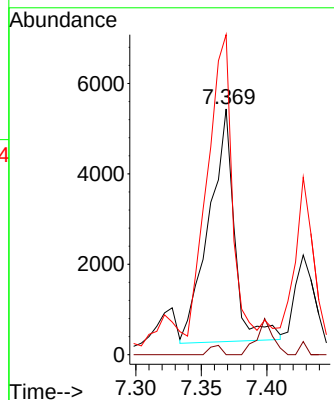
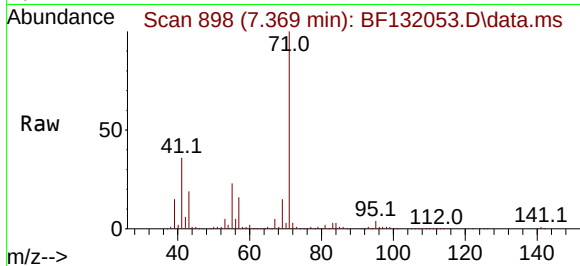




#24
Nitrobenzene
Concen: 6.086 ng
RT: 7.369 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

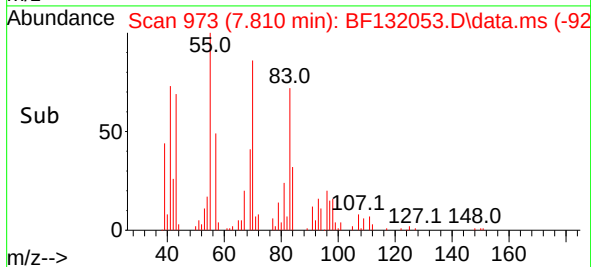
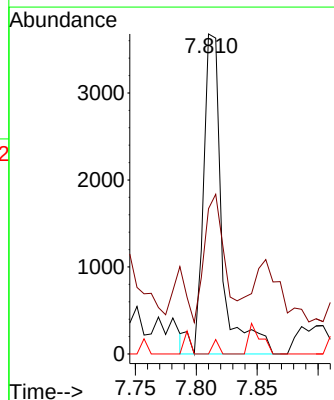
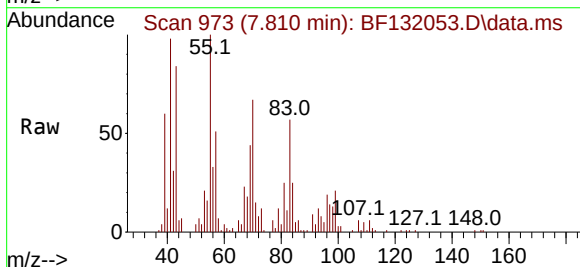
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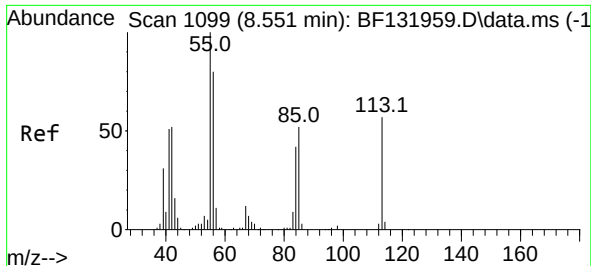
Tgt Ion: 77 Resp: 6989
Ion Ratio Lower Upper
77 100
123 0.0 30.9 46.3#
65 130.2 10.8 16.2#



#28
bis(2-Chloroethoxy)methane
Concen: 3.374 ng
RT: 7.810 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

Tgt Ion: 93 Resp: 3935
Ion Ratio Lower Upper
93 100
95 45.4 25.8 38.6#
123 0.0 8.4 12.6#

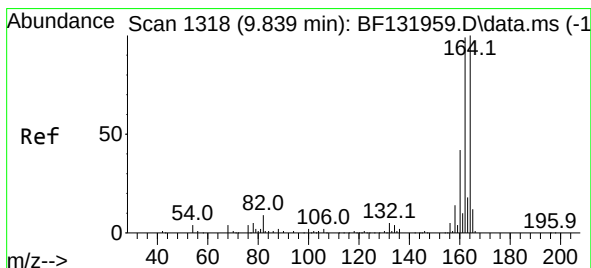
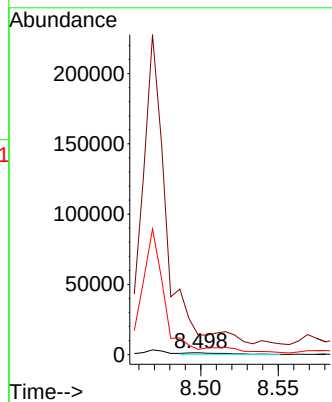
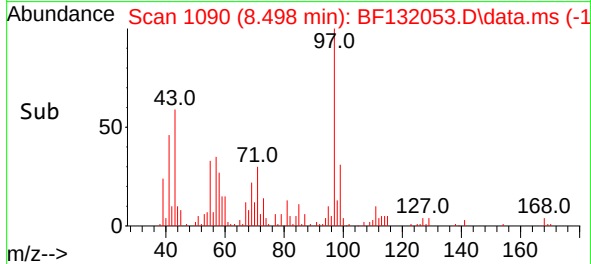
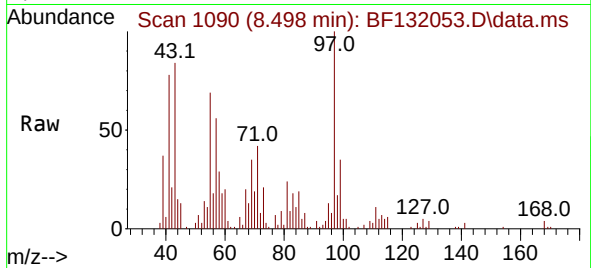




#35
 Caprolactam
 Concen: 8.581 ng
 RT: 8.498 min Scan# 1099
 Delta R.T. -0.029 min
 Lab File: BF132053.D
 Acq: 12 Jan 2023 21:27

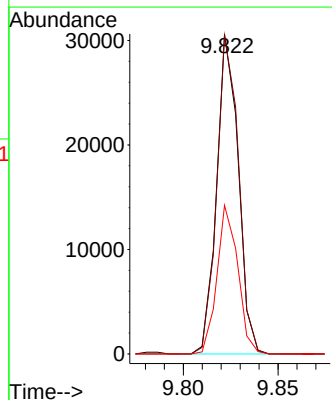
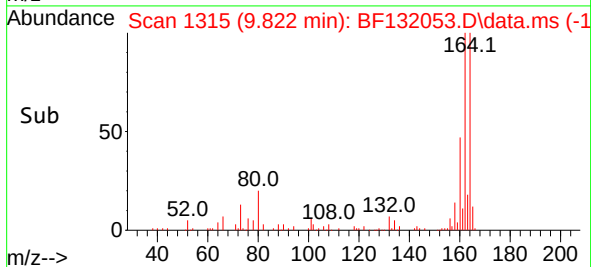
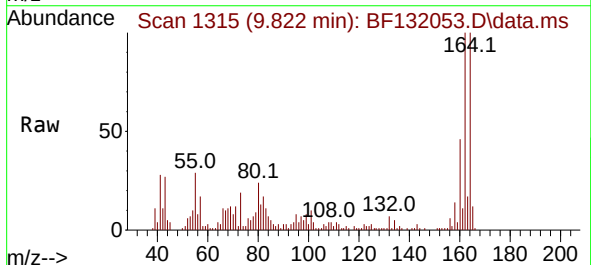
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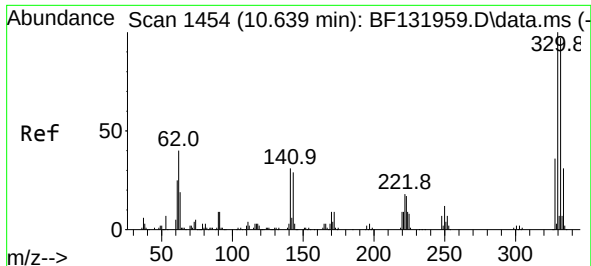
Tgt Ion:113 Resp: 1947
 Ion Ratio Lower Upper
 113 100
 55 997.1 154.4 194.4#
 56 266.8 119.6 159.6#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.822 min Scan# 1315
 Delta R.T. -0.006 min
 Lab File: BF132053.D
 Acq: 12 Jan 2023 21:27

Tgt Ion:164 Resp: 24266
 Ion Ratio Lower Upper
 164 100
 162 99.5 79.4 119.0
 160 46.4 33.9 50.9





#42

2,4,6-Tribromophenol

Concen: 75.694 ng

RT: 10.616 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF132053.D

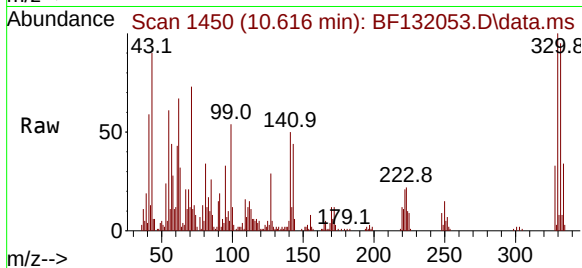
Acq: 12 Jan 2023 21:27

Instrument :

BNA_F

ClientSampleId :

S-14-02



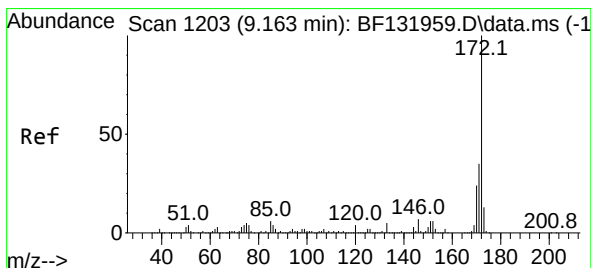
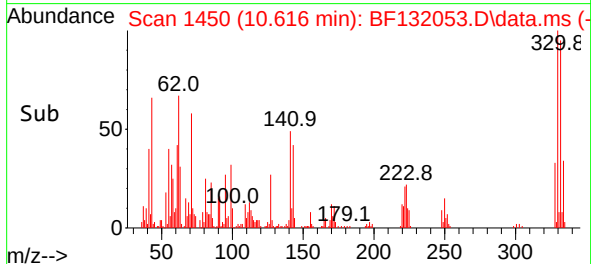
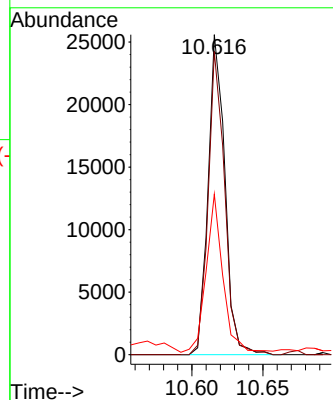
Tgt Ion:330 Resp: 21119

Ion Ratio Lower Upper

330 100

332 93.1 76.9 115.3

141 49.8 31.3 46.9#



#45

2-Fluorobiphenyl

Concen: 69.298 ng

RT: 9.145 min Scan# 1200

Delta R.T. 0.000 min

Lab File: BF132053.D

Acq: 12 Jan 2023 21:27

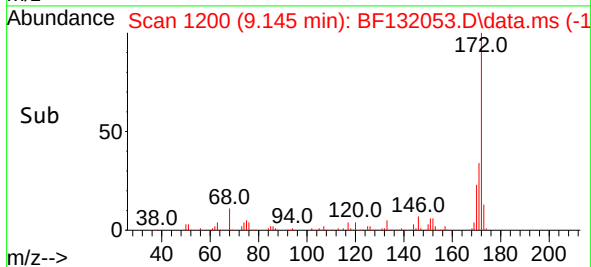
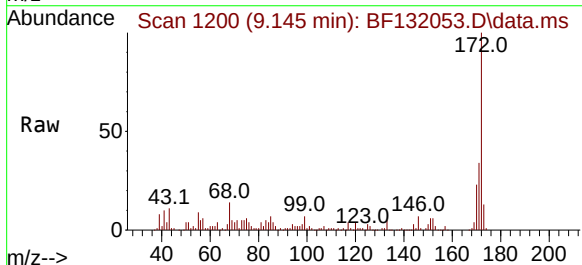
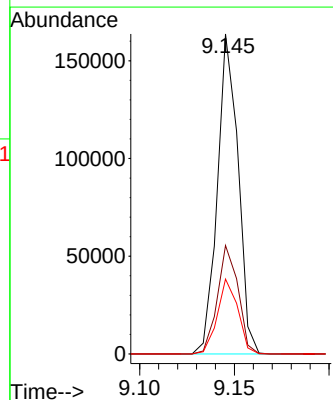
Tgt Ion:172 Resp: 124566

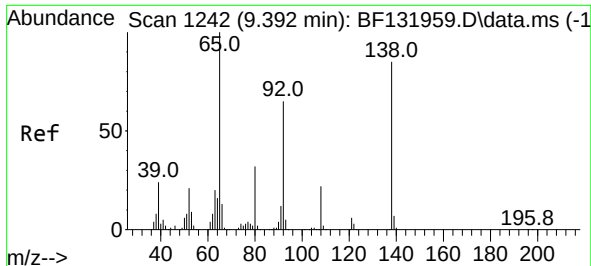
Ion Ratio Lower Upper

172 100

171 33.9 28.0 42.0

170 23.4 18.9 28.3

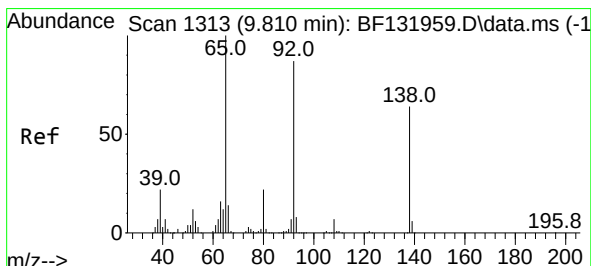
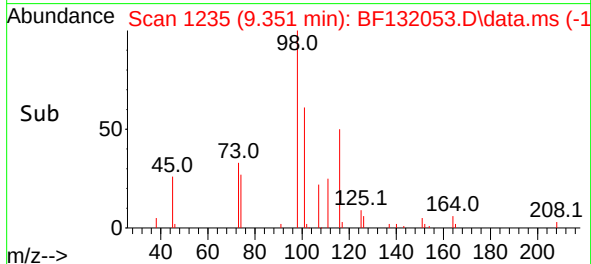
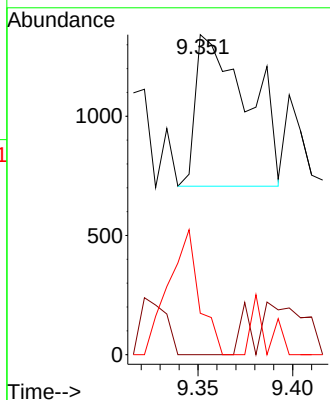
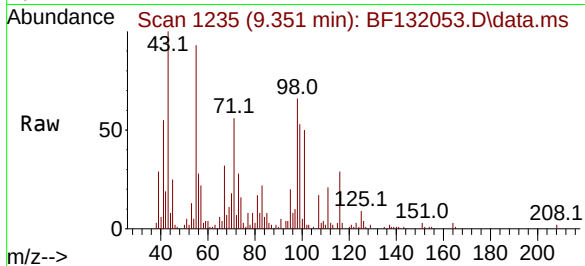




#48
2-Nitroaniline
Concen: 2.288 ng
RT: 9.351 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

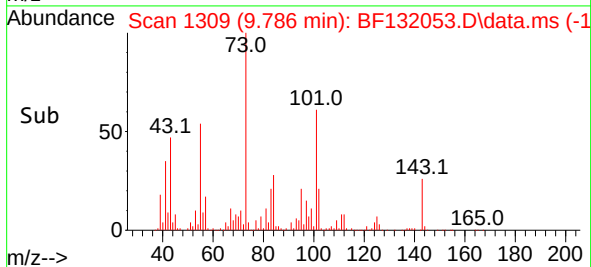
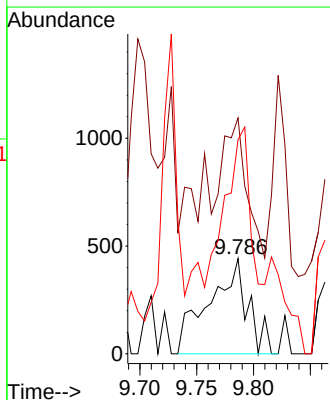
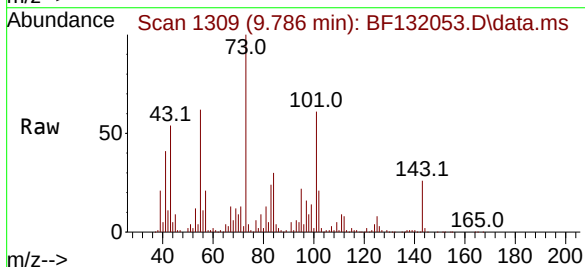
Instrument :
BNA_F
ClientSampleId :
S-14-02

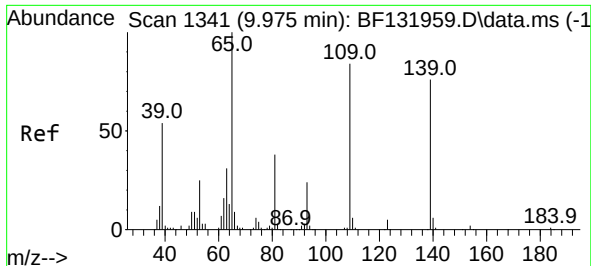
Tgt Ion: 65 Resp: 1208
Ion Ratio Lower Upper
65 100
92 0.0 52.2 78.2#
138 13.0 67.8 101.8#



#53
3-Nitroaniline
Concen: 2.718 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

Tgt Ion:138 Resp: 1049
Ion Ratio Lower Upper
138 100
108 247.5 8.8 13.2#
92 224.9 108.1 162.1#

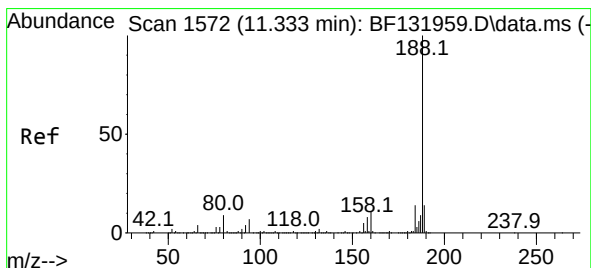
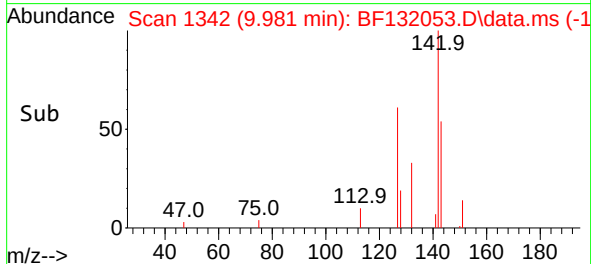
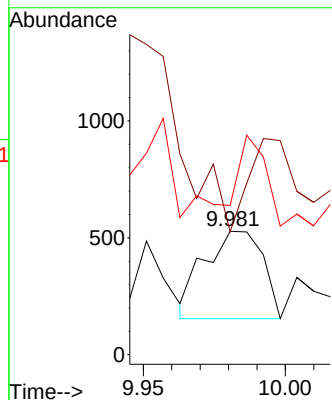
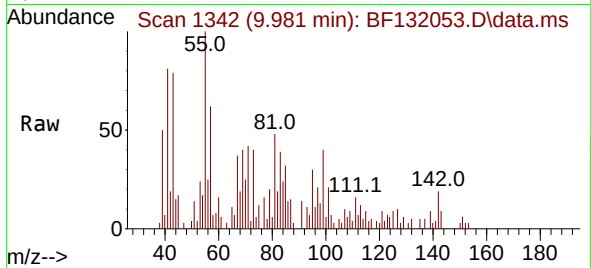




#56
4-Nitrophenol
Concen: 2.466 ng
RT: 9.981 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

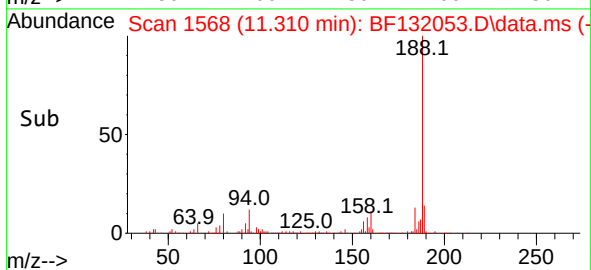
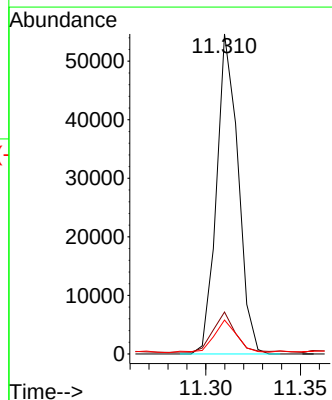
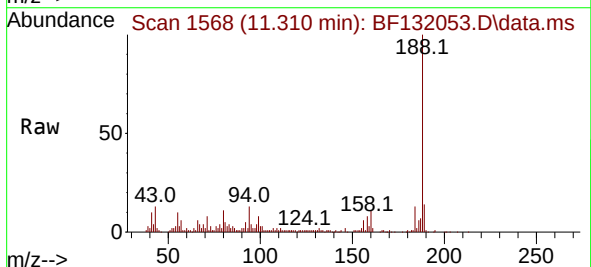
Instrument :
BNA_F
ClientSampleId :
S-14-02

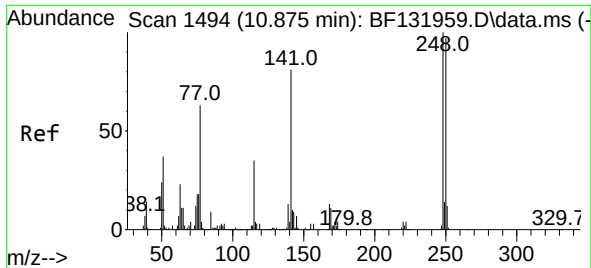
Tgt Ion:139 Resp: 536
Ion Ratio Lower Upper
139 100
109 99.6 90.5 130.5
65 121.0 112.6 152.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

Tgt Ion:188 Resp: 43290
Ion Ratio Lower Upper
188 100
94 13.1 5.8 8.6#
80 10.6 7.4 11.0

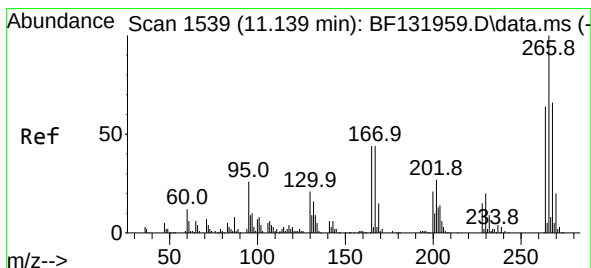
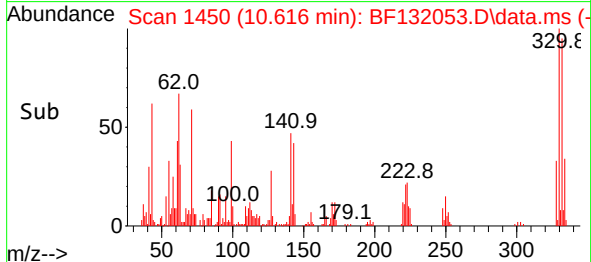
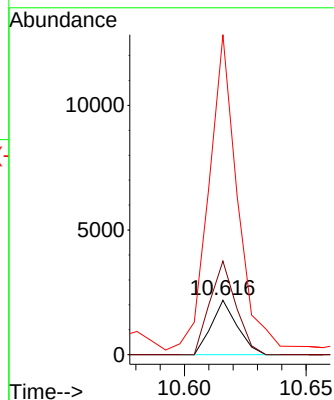
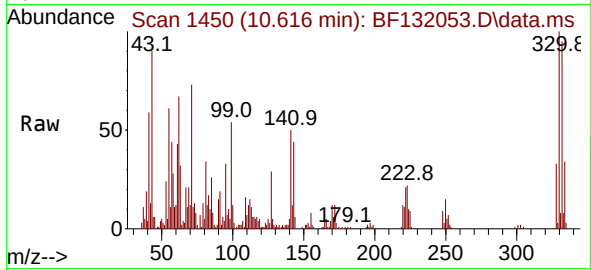




#67
4-Bromophenyl-phenylether
Concen: 2.988 ng
RT: 10.616 min Scan# 1494
Delta R.T. -0.241 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

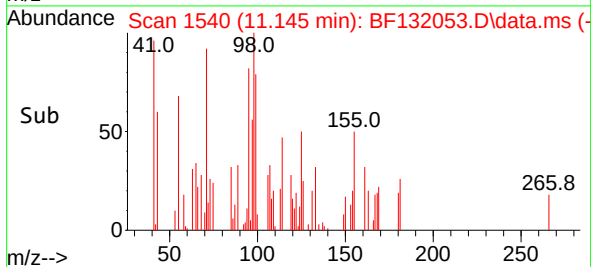
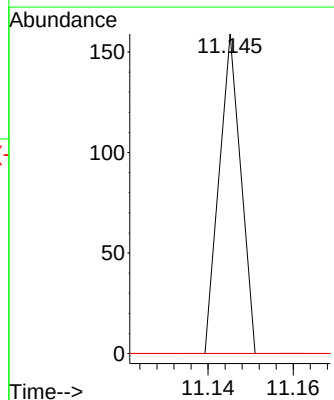
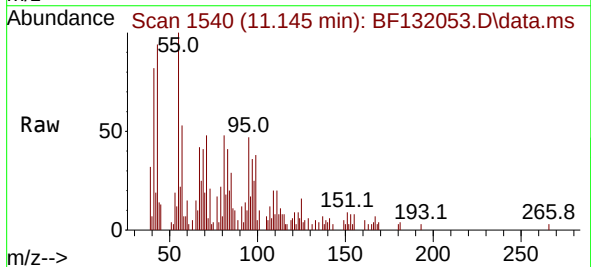
Instrument :
BNA_F
ClientSampleId :
S-14-02

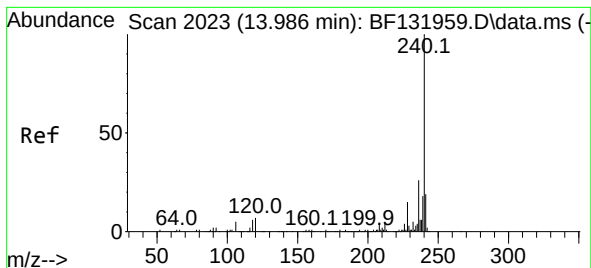
Tgt Ion:248 Resp: 1618
Ion Ratio Lower Upper
248 100
250 171.8 77.4 116.2#
141 587.5 65.0 97.6#



#70
Pentachlorophenol
Concen: 4.539 ng
RT: 11.145 min Scan# 1540
Delta R.T. 0.024 min
Lab File: BF132053.D
Acq: 12 Jan 2023 21:27

Tgt Ion:266 Resp: 56
Ion Ratio Lower Upper
266 100
268 0.0 52.7 79.1#
264 0.0 51.6 77.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF132053.D

Acq: 12 Jan 2023 21:27

Instrument :

BNA_F

ClientSampleId :

S-14-02

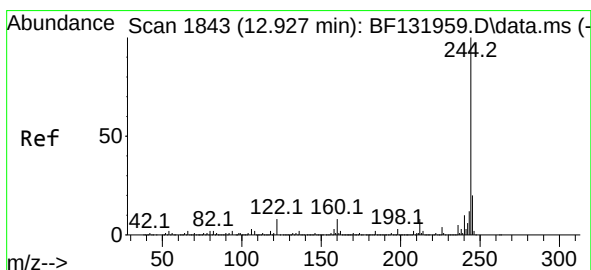
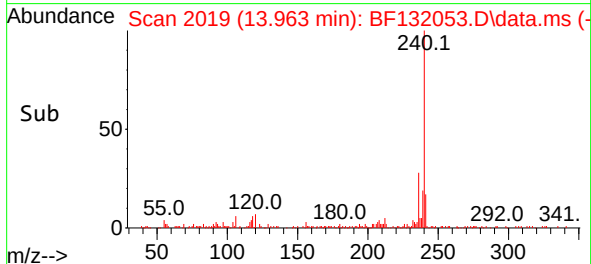
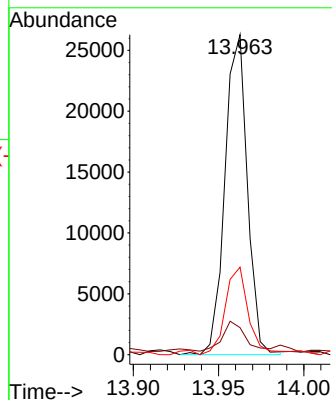
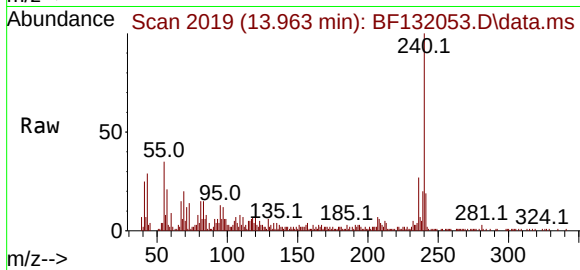
Tgt Ion:240 Resp: 24070

Ion Ratio Lower Upper

240 100

120 8.5 5.4 8.0#

236 27.4 21.1 31.7



#79

Terphenyl-d14

Concen: 69.293 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF132053.D

Acq: 12 Jan 2023 21:27

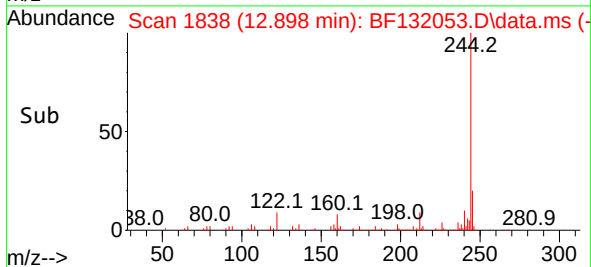
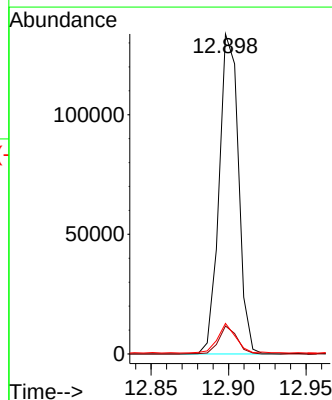
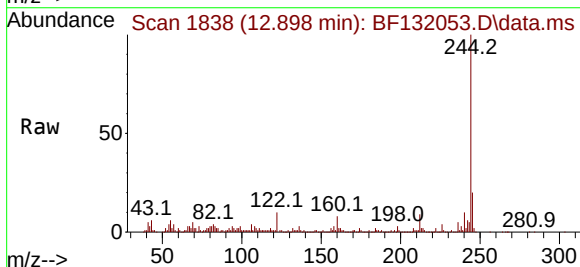
Tgt Ion:244 Resp: 116369

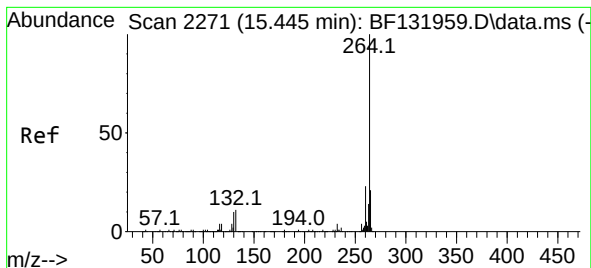
Ion Ratio Lower Upper

244 100

212 8.8 6.3 9.5

122 9.6 6.8 10.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132053.D

Acq: 12 Jan 2023 21:27

Instrument :

BNA_F

ClientSampleId :

S-14-02

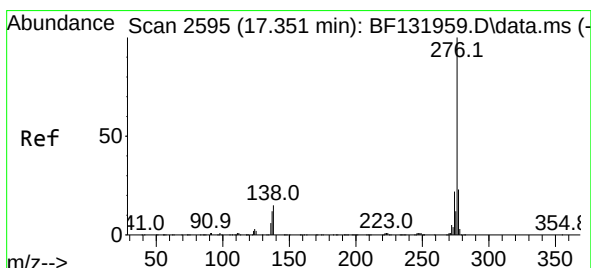
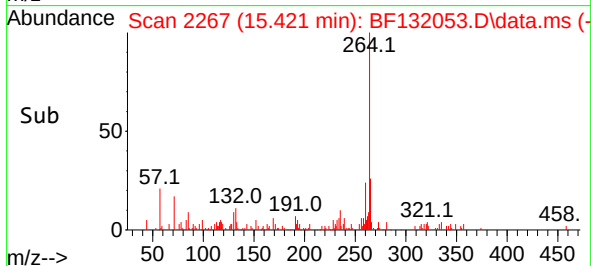
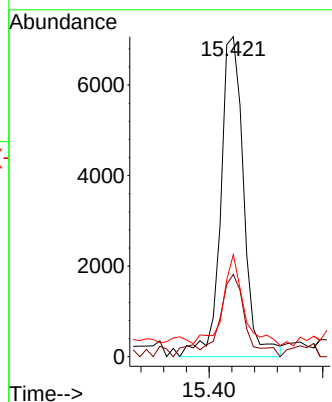
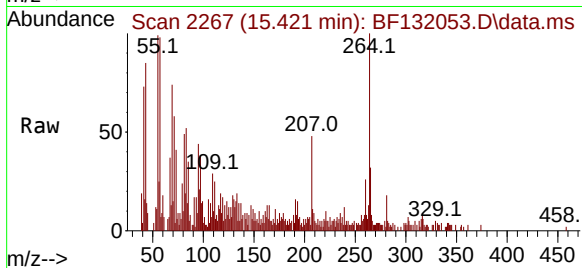
Tgt Ion:264 Resp: 9963

Ion Ratio Lower Upper

264 100

260 25.7 18.3 27.5

265 31.9 16.9 25.3#



#92

Benzo(g,h,i)perylene

Concen: 4.427 ng

RT: 17.315 min Scan# 2589

Delta R.T. 0.000 min

Lab File: BF132053.D

Acq: 12 Jan 2023 21:27

Tgt Ion:276 Resp: 534

Ion Ratio Lower Upper

276 100

277 73.9 18.2 27.2#

138 135.4 11.7 17.5#

