

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134137.D
 Acq On : 07 Jul 2023 14:41
 Operator : CG\JU
 Sample : 03393-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SF-9

Quant Time: Jul 07 23:04:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

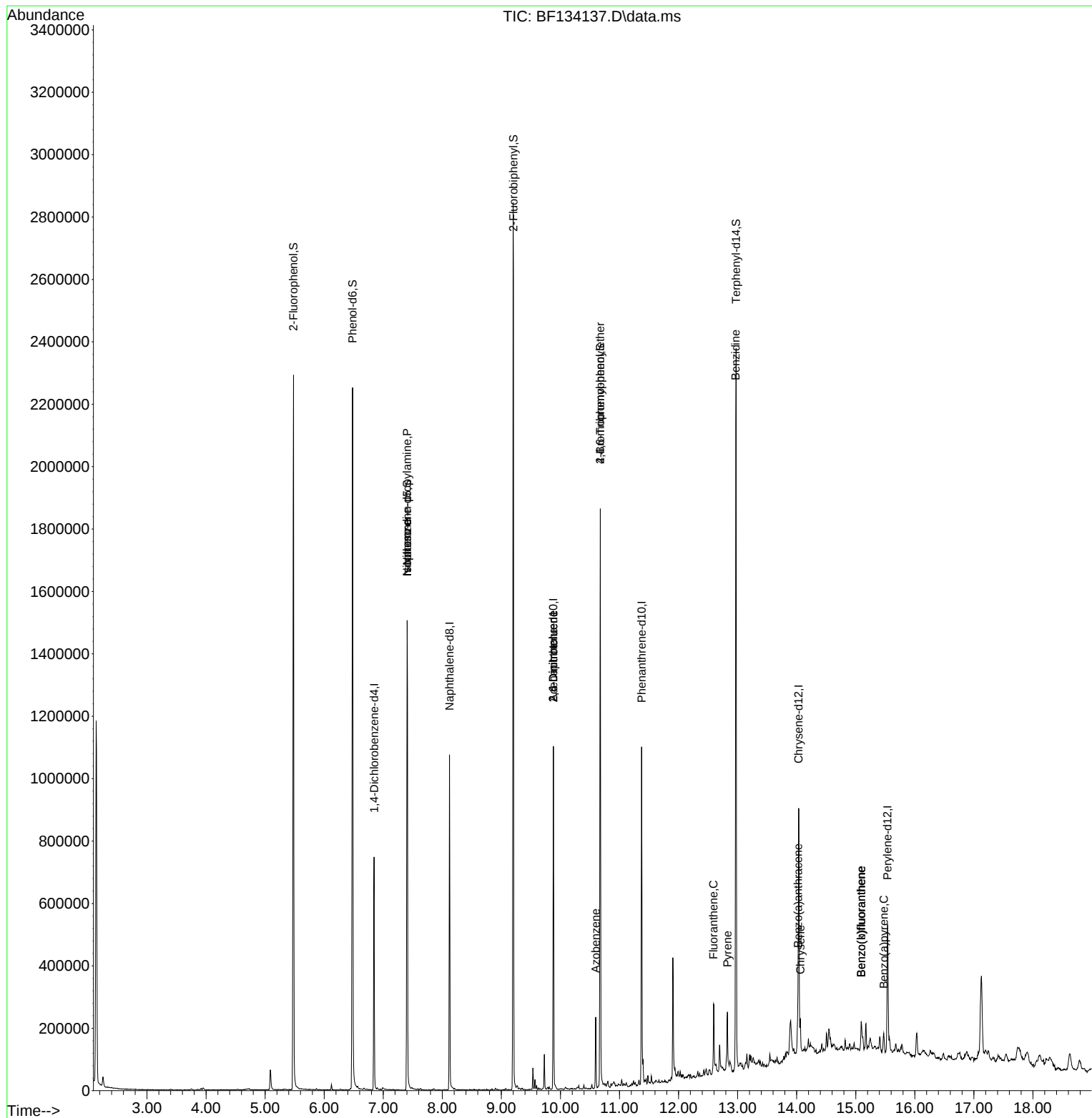
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	105658	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	408289	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	197166	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	383593	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	244971	20.000	ng	-0.02
86) Perylene-d12	15.539	264	205976	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	581492	92.061	ng	0.00
7) Phenol-d6	6.481	99	709691	91.362	ng	-0.01
23) Nitrobenzene-d5	7.404	82	475927	62.835	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	209712	84.833	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	869152	64.091	ng	0.00
79) Terphenyl-d14	12.974	244	842625	55.359	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	267	Below Cal	#	80
19) n-Nitroso-di-n-propyla...	7.404	70	65483	13.293	ng	# 77
25) Isophorone	7.404	82	475923	34.574	ng	# 64
51) 2,6-Dinitrotoluene	9.880	165	25387	8.235	ng	# 24
57) 2,4-Dinitrotoluene	9.880	165	25387	6.236	ng	# 22
63) Azobenzene	10.598	77	38064	2.699	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	12669	3.107	ng	# 1
75) Fluoranthene	12.592	202	92404	4.426	ng	100
77) Benzidine	12.968	184	12218	2.096	ng	# 92
78) Pyrene	12.827	202	80746	3.542	ng	100
81) Benzo(a)anthracene	14.021	228	47587	2.801	ng	99
83) Chrysene	14.063	228	46103	2.802	ng	97
88) Benzo(b)fluoranthene	15.092	252	66560	5.496	ng	# 98
89) Benzo(k)fluoranthene	15.092	252	66560	5.398	ng	97
90) Benzo(a)pyrene	15.474	252	30954	2.643	ng	# 96

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

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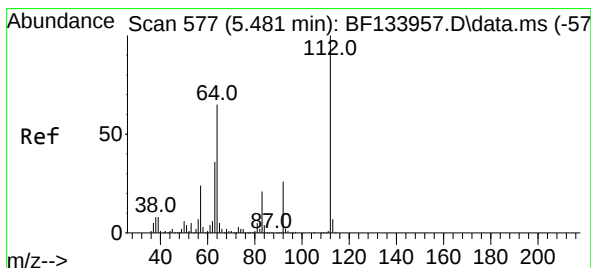
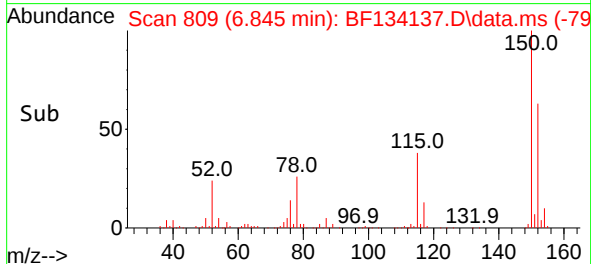
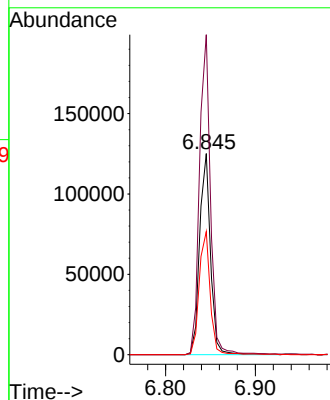
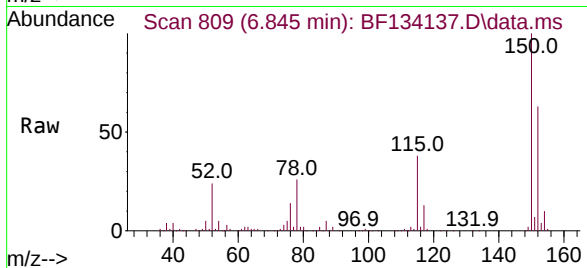




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

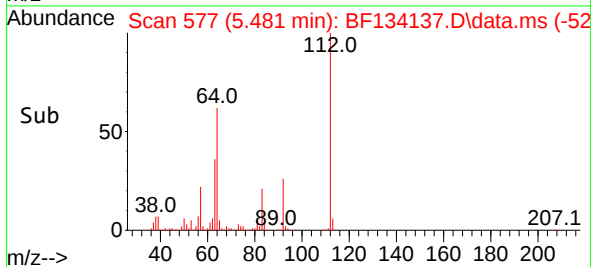
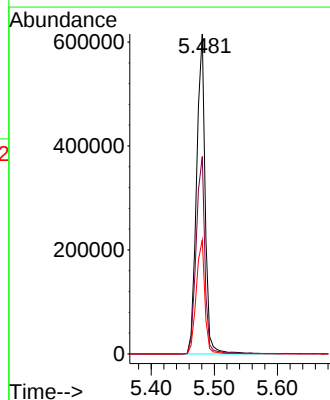
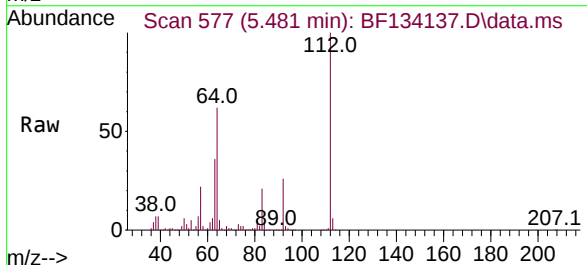
Instrument :
BNA_F
ClientSampleId :
SF-9

Tgt Ion:152 Resp: 105658
Ion Ratio Lower Upper
152 100
150 159.0 124.5 186.7
115 61.2 50.2 75.2



#5
2-Fluorophenol
Concen: 92.061 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

Tgt Ion:112 Resp: 581492
Ion Ratio Lower Upper
112 100
64 61.7 52.1 78.1
63 35.6 28.6 42.8

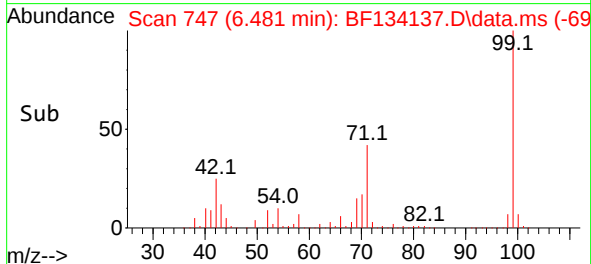
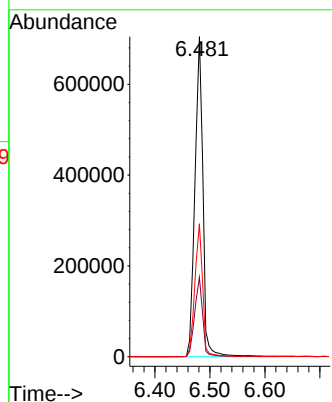
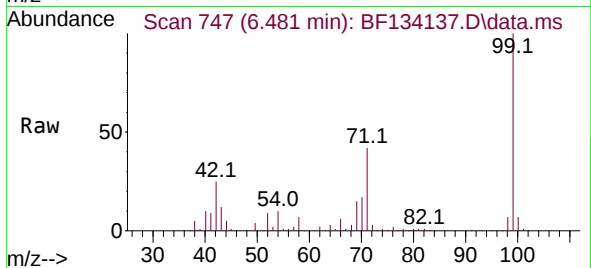




#7
Phenol-d6
Concen: 91.362 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

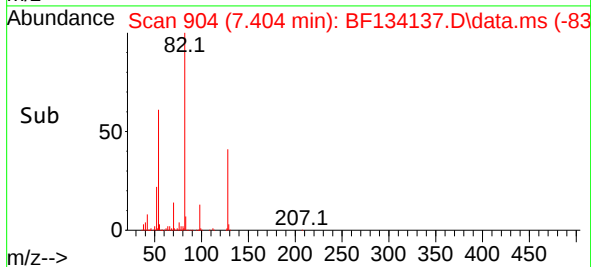
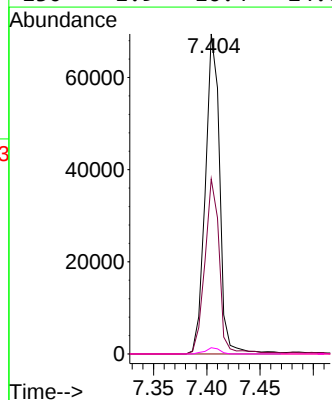
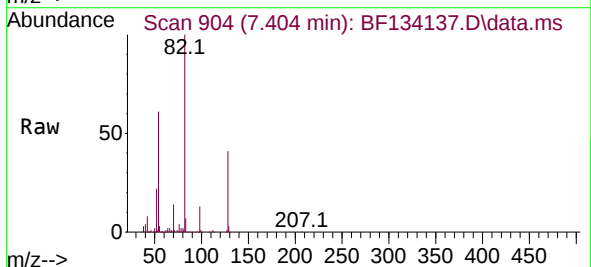
Instrument :
BNA_F
ClientSampleId :
SF-9

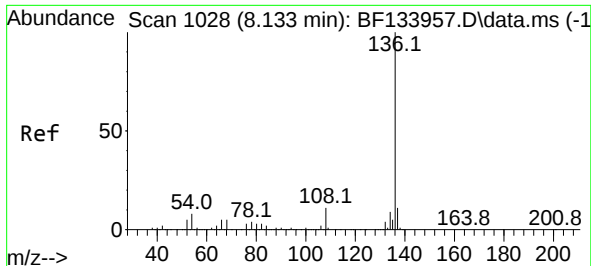
Tgt Ion: 99 Resp: 709691
Ion Ratio Lower Upper
99 100
42 24.8 19.8 29.6
71 41.6 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.293 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

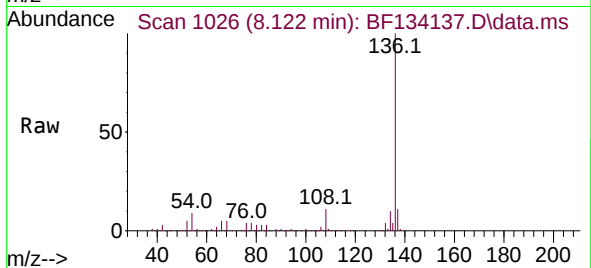
Tgt Ion: 70 Resp: 65483
Ion Ratio Lower Upper
70 100
42 54.7 54.7 82.1#
101 0.0 7.7 11.5#
130 1.9 16.4 24.6#



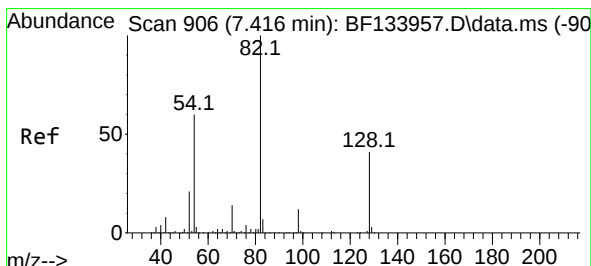
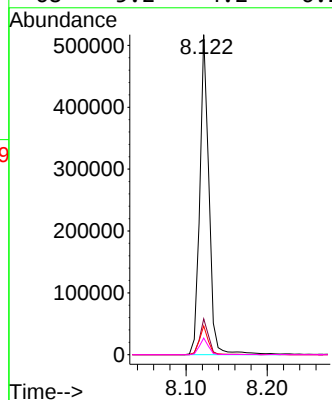
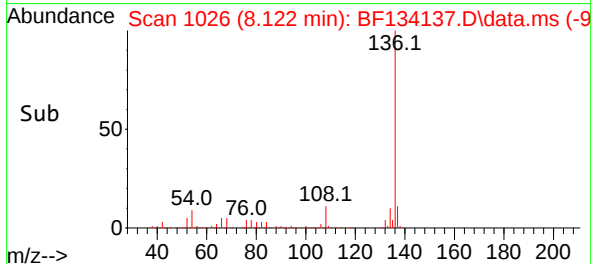


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

Instrument :
BNA_F
ClientSampleId :
SF-9

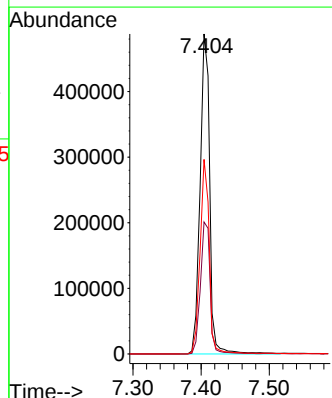
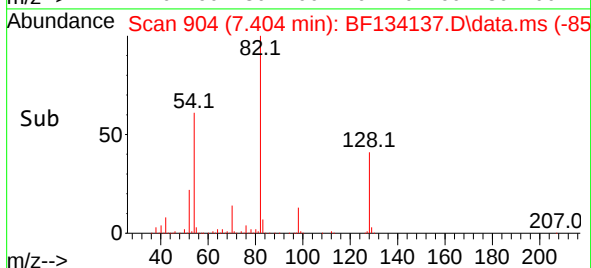
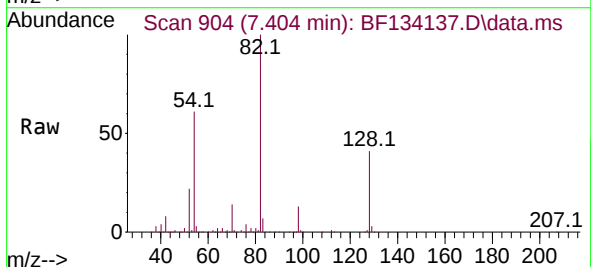


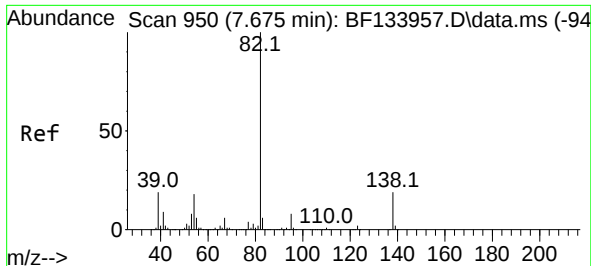
Tgt Ion:136 Resp: 408289
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 9.0 6.5 9.7
68 5.2 4.2 6.2



#23
Nitrobenzene-d5
Concen: 62.835 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

Tgt Ion: 82 Resp: 475927
Ion Ratio Lower Upper
82 100
128 41.2 32.5 48.7
54 60.8 48.2 72.2

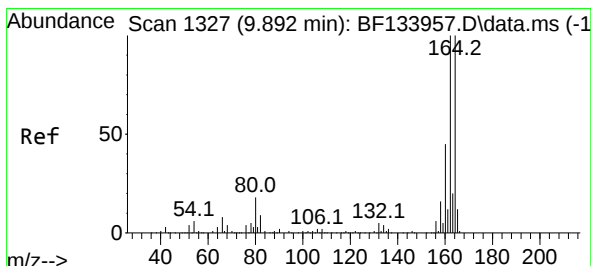
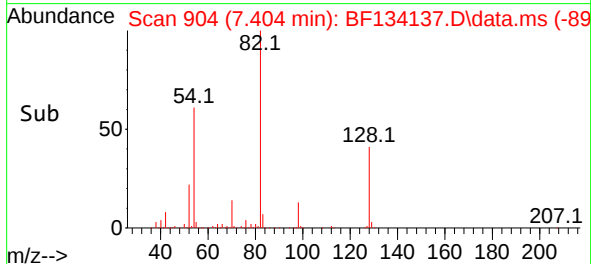
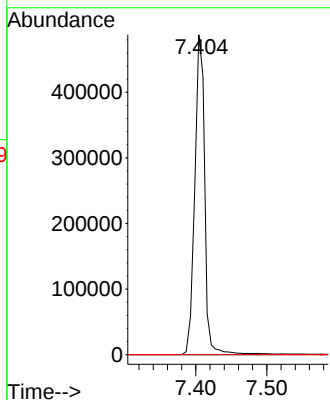
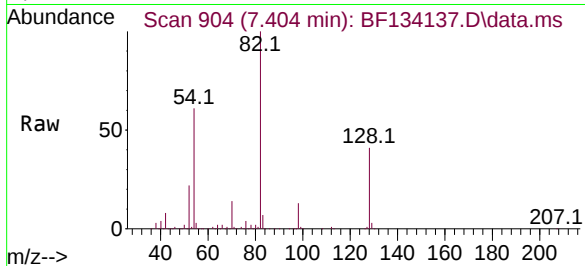




#25
Isophorone
Concen: 34.574 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

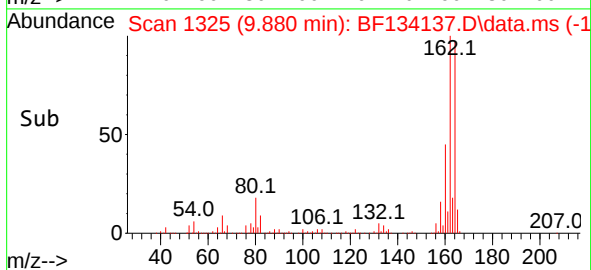
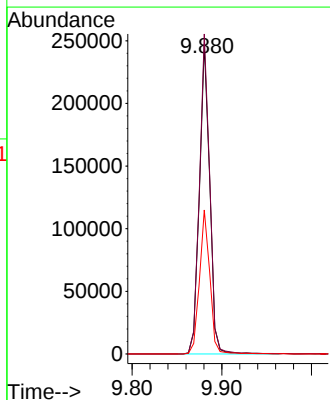
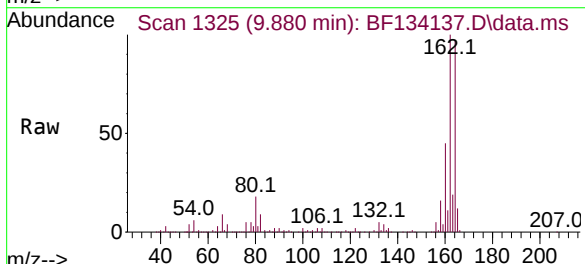
Instrument :
BNA_F
ClientSampleId :
SF-9

Tgt Ion: 82 Resp: 475923
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

Tgt Ion: 164 Resp: 197166
Ion Ratio Lower Upper
164 100
162 103.3 80.0 120.0
160 46.5 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 84.833 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF134137.D

Acq: 07 Jul 2023 14:41

Instrument :

BNA_F

ClientSampleId :

SF-9

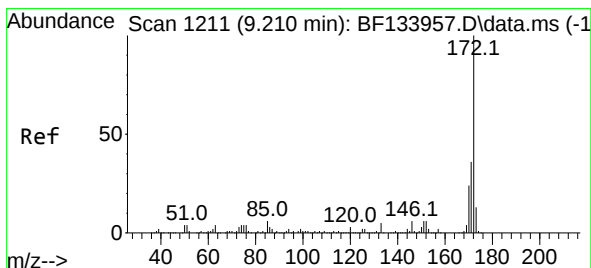
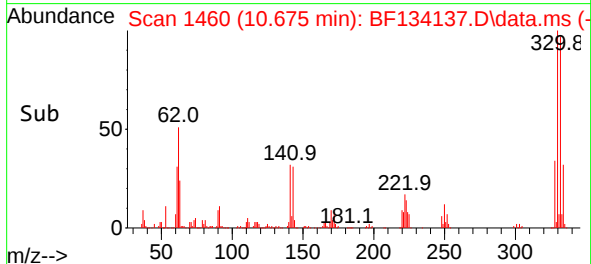
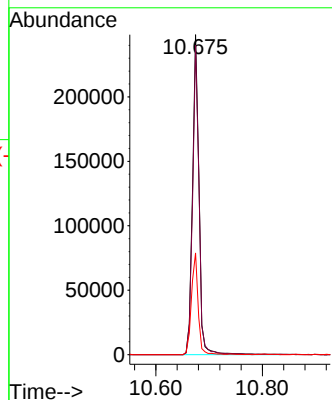
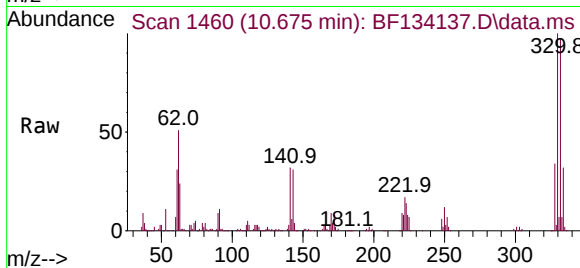
Tgt Ion:330 Resp: 209712

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

141 32.7 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 64.091 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134137.D

Acq: 07 Jul 2023 14:41

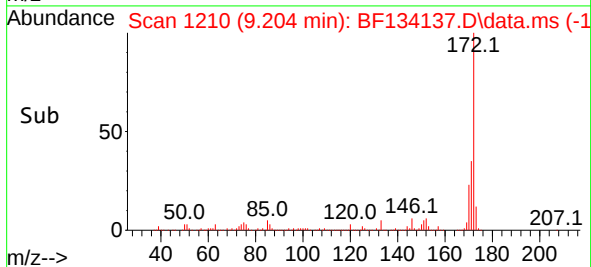
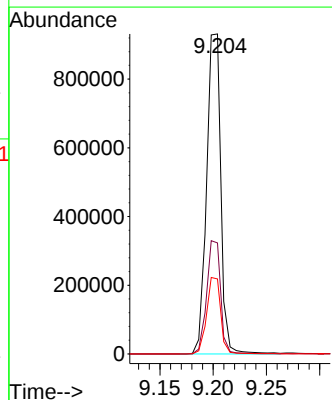
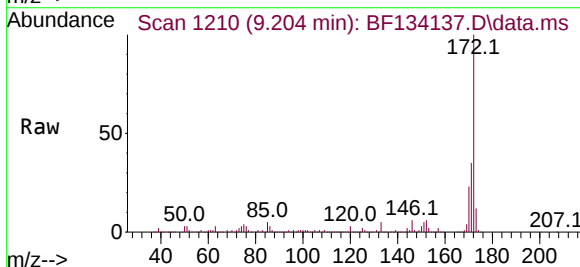
Tgt Ion:172 Resp: 869152

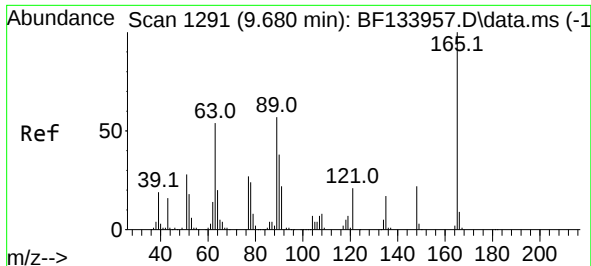
Ion Ratio Lower Upper

172 100

171 34.7 28.6 43.0

170 23.5 19.4 29.0

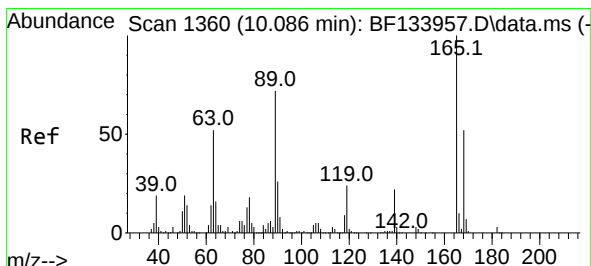
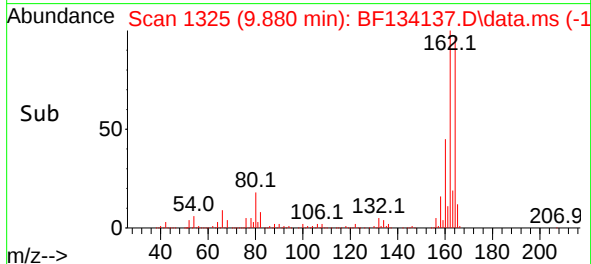
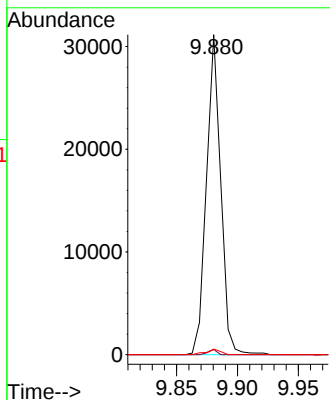
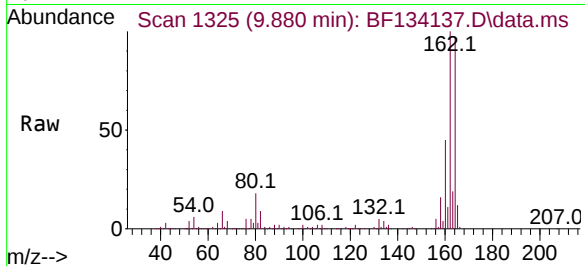




#51
2,6-Dinitrotoluene
Concen: 8.235 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

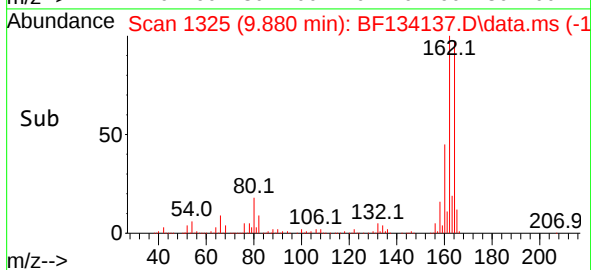
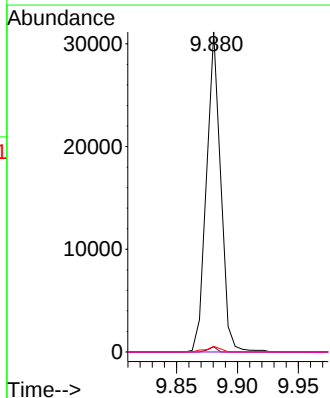
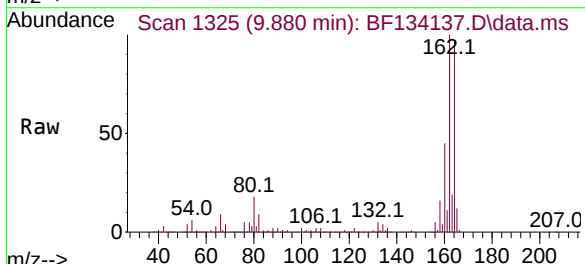
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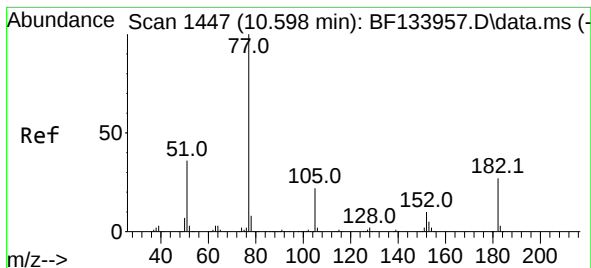
Tgt Ion:165 Resp: 25387
Ion Ratio Lower Upper
165 100
63 1.6 48.5 72.7#
89 1.7 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.236 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

Tgt Ion:165 Resp: 25387
Ion Ratio Lower Upper
165 100
63 1.6 42.2 63.2#
89 1.7 57.4 86.2#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.699 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF134137.D

Acq: 07 Jul 2023 14:41

Instrument :

BNA_F

ClientSampleId :

SF-9

Tgt Ion: 77 Resp: 38064

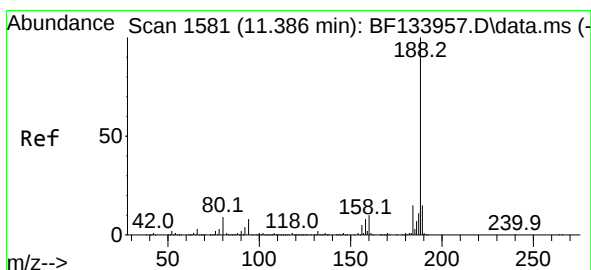
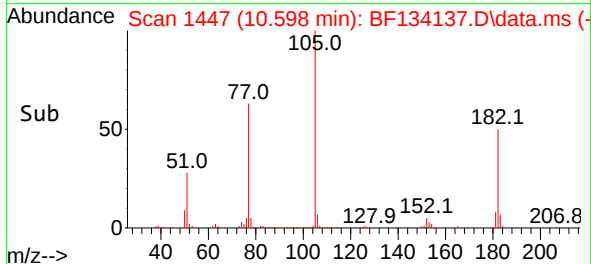
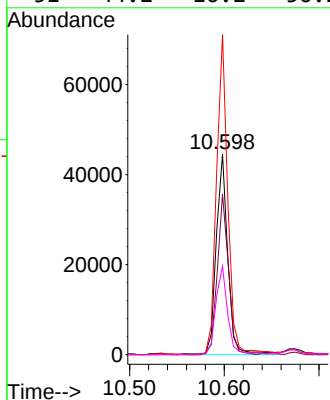
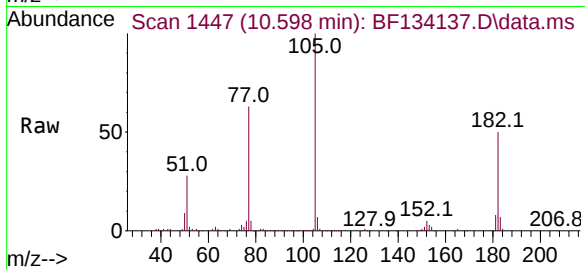
Ion Ratio Lower Upper

77 100

182 80.0 6.8 46.8#

105 159.6 2.3 42.3#

51 44.2 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.012 min

Lab File: BF134137.D

Acq: 07 Jul 2023 14:41

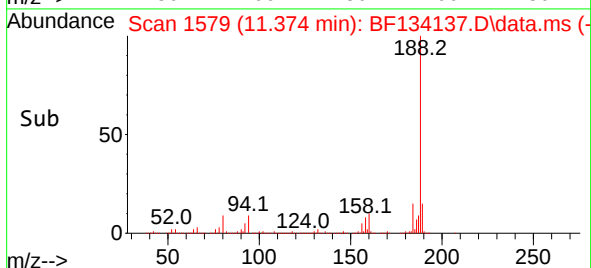
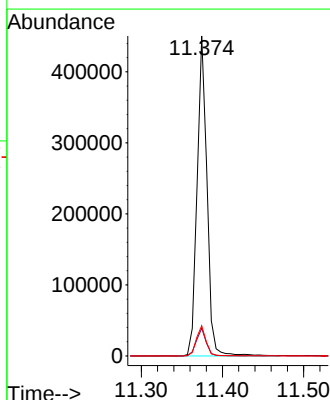
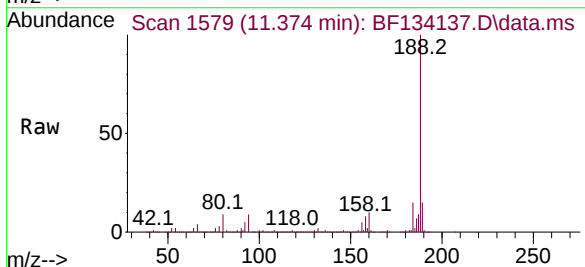
Tgt Ion: 188 Resp: 383593

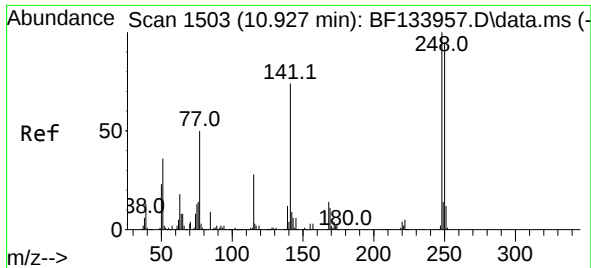
Ion Ratio Lower Upper

188 100

94 8.6 6.4 9.6

80 9.5 7.3 10.9

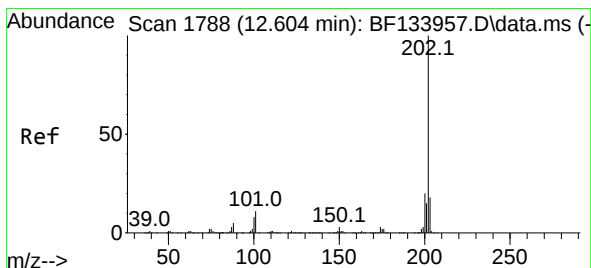
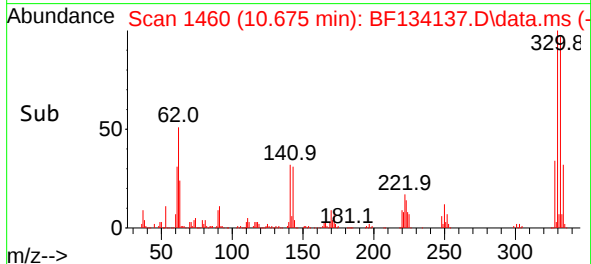
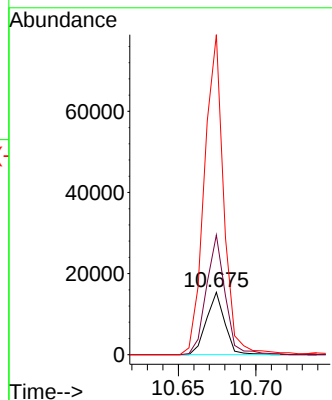
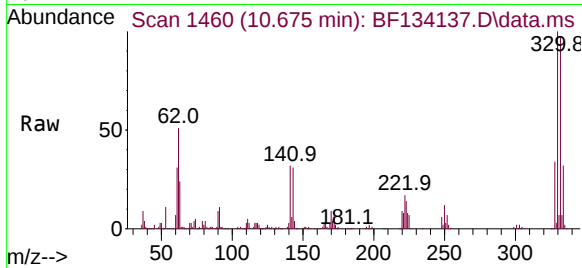




#67
4-Bromophenyl-phenylether
Concen: 3.107 ng
RT: 10.675 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

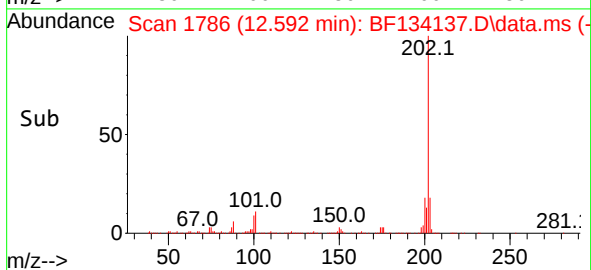
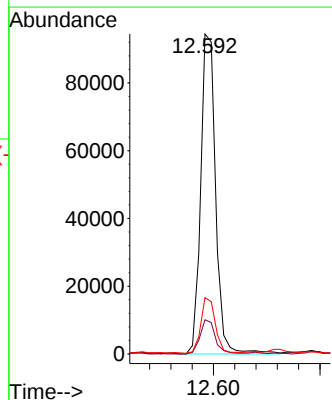
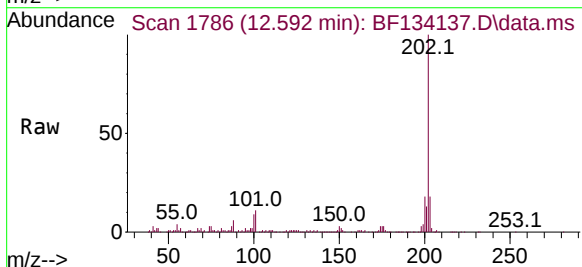
Instrument :
BNA_F
ClientSampleId :
SF-9

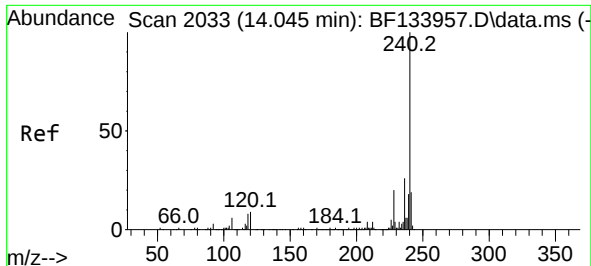
Tgt Ion:248 Resp: 12669
Ion Ratio Lower Upper
248 100
250 192.0 76.2 114.4#
141 513.2 59.0 88.4#



#75
Fluoranthene
Concen: 4.426 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.018 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

Tgt Ion:202 Resp: 92404
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.0
203 17.6 0.0 37.6

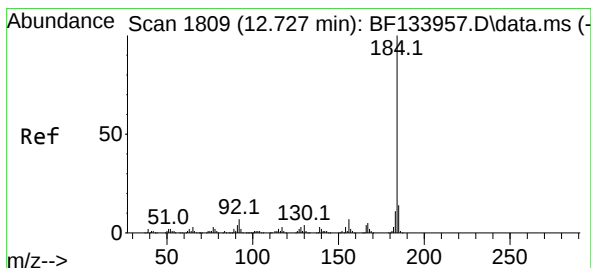
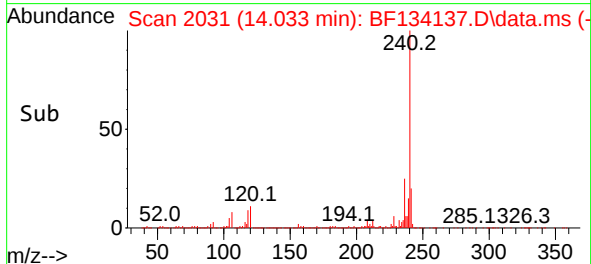
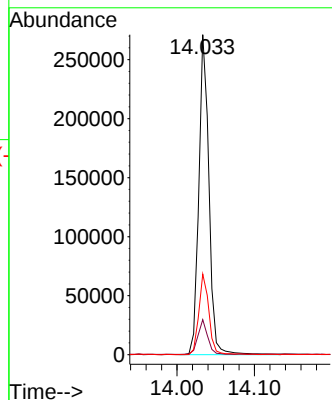
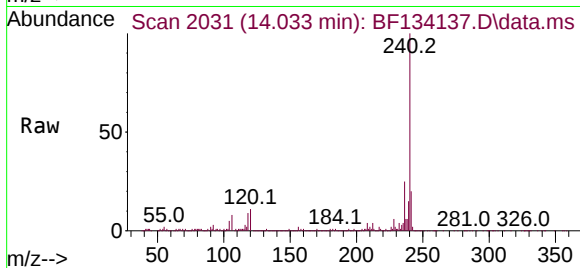




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.018 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

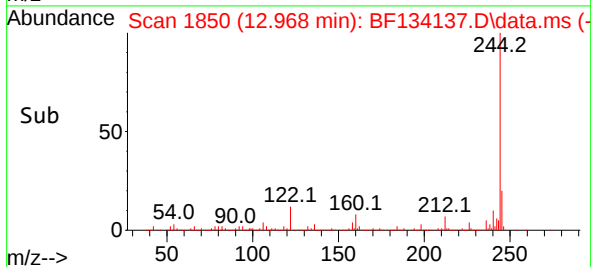
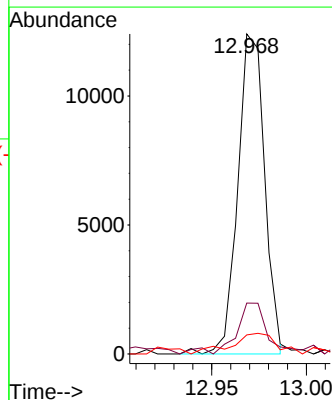
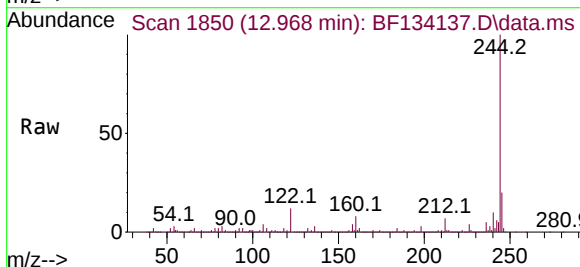
Instrument :
BNA_F
ClientSampleId :
SF-9

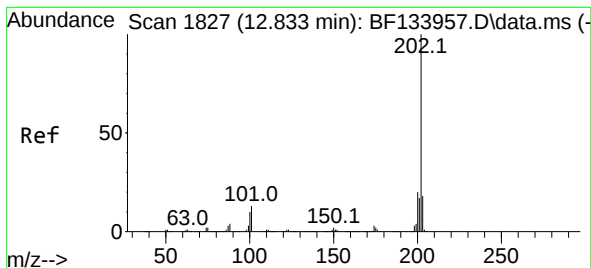
Tgt Ion:240 Resp: 244971
Ion Ratio Lower Upper
240 100
120 11.0 7.4 11.0
236 25.2 21.0 31.6



#77
Benzidine
Concen: 2.096 ng
RT: 12.968 min Scan# 1850
Delta R.T. 0.241 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

Tgt Ion:184 Resp: 12218
Ion Ratio Lower Upper
184 100
185 15.9 11.6 17.4
183 5.9 8.8 13.2#





#78

Pyrene

Concen: 3.542 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF134137.D

Acq: 07 Jul 2023 14:41

Instrument :

BNA_F

ClientSampleId :

SF-9

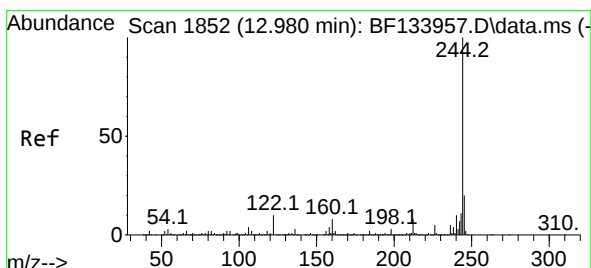
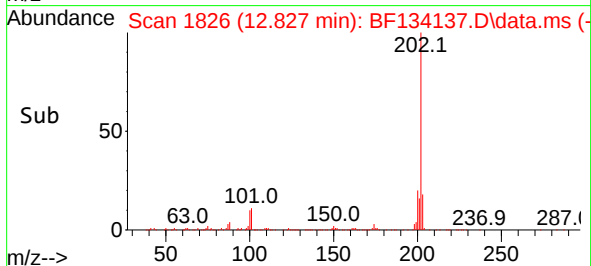
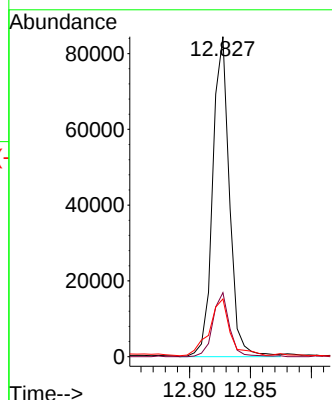
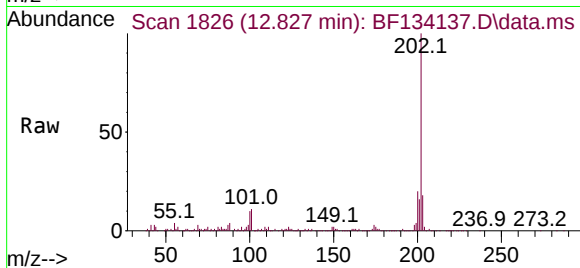
Tgt Ion:202 Resp: 80746

Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

203 18.0 14.3 21.5



#79

Terphenyl-d14

Concen: 55.359 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF134137.D

Acq: 07 Jul 2023 14:41

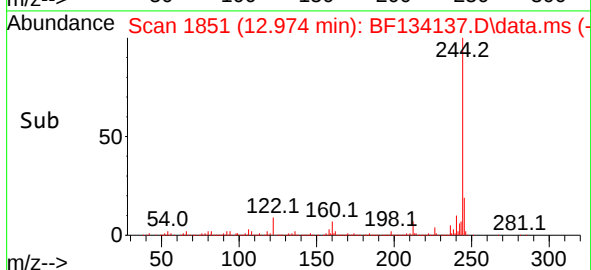
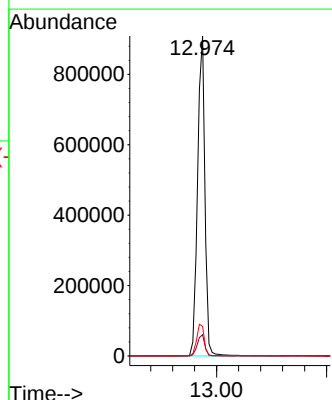
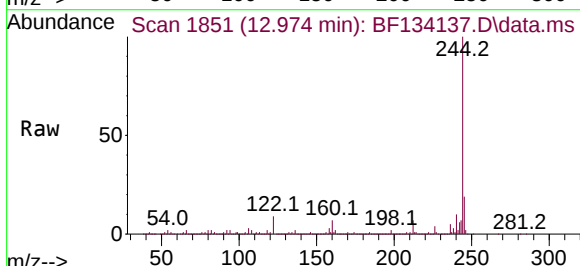
Tgt Ion:244 Resp: 842625

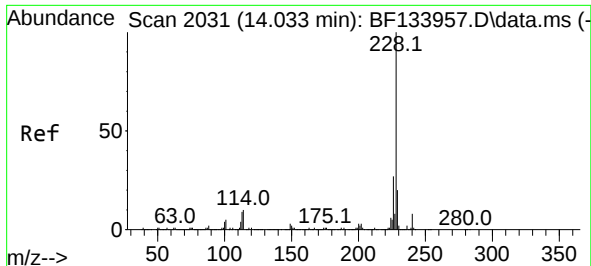
Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

122 9.3 8.3 12.5

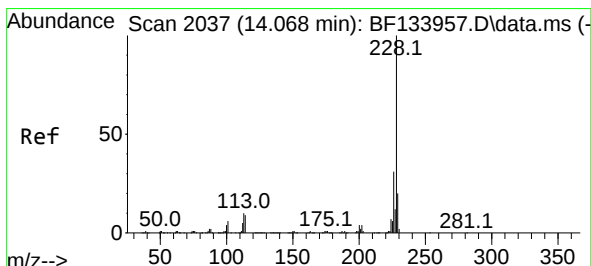
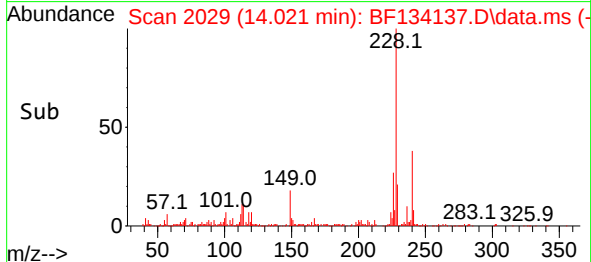
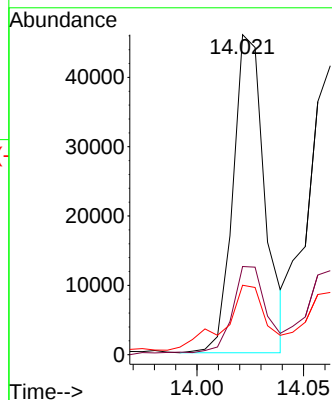
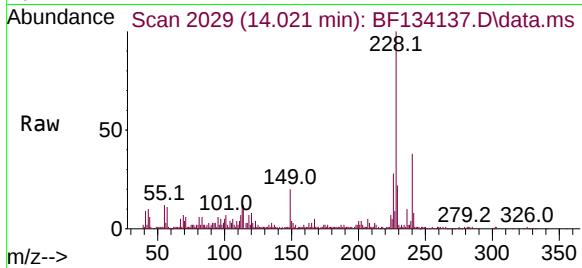




#81
Benzo(a)anthracene
Concen: 2.801 ng
RT: 14.021 min Scan# 2031
Delta R.T. -0.018 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

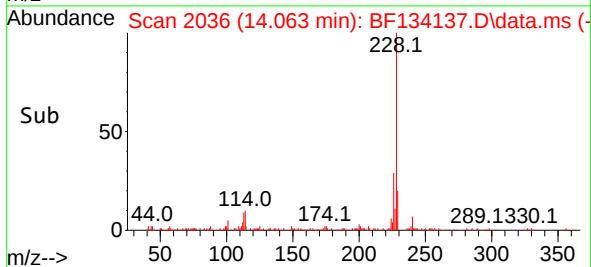
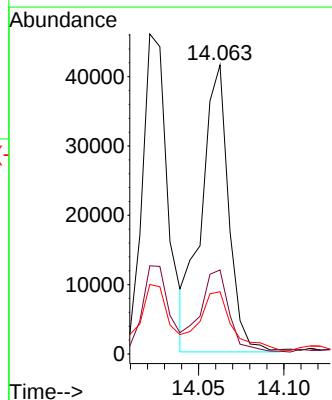
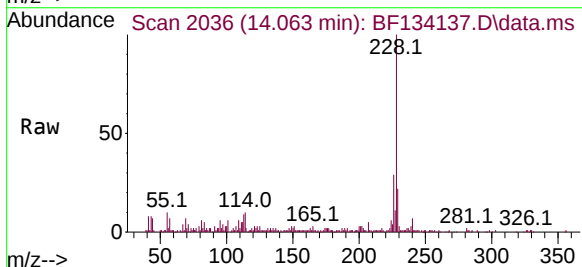
Instrument :
BNA_F
ClientSampleId :
SF-9

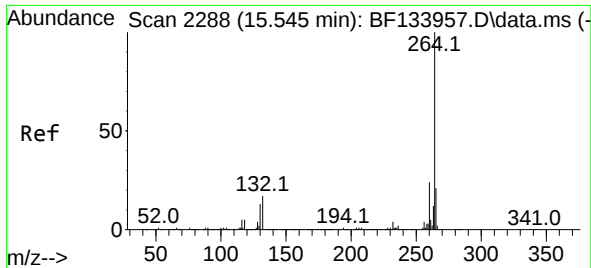
Tgt Ion:228 Resp: 47587
Ion Ratio Lower Upper
228 100
226 27.6 22.0 33.0
229 21.7 16.3 24.5



#83
Chrysene
Concen: 2.802 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

Tgt Ion:228 Resp: 46103
Ion Ratio Lower Upper
228 100
226 29.1 24.4 36.6
229 21.5 16.1 24.1



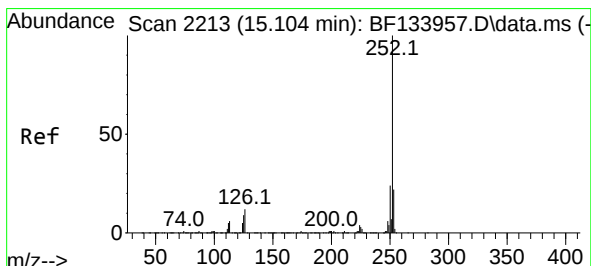
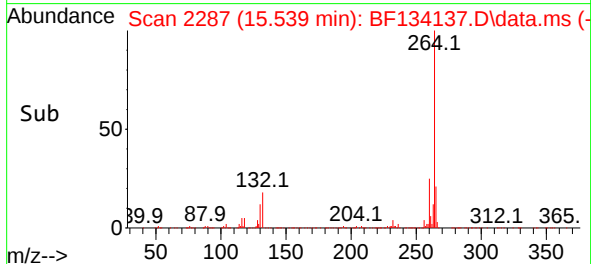
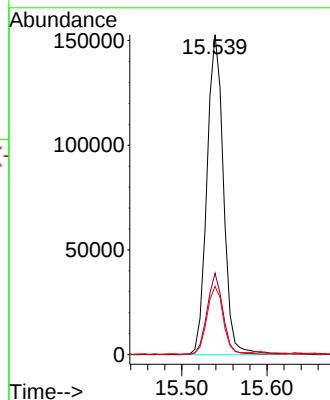
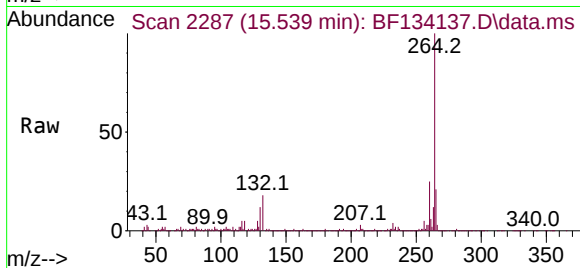


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2111
Delta R.T. -0.012 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

Instrument :
BNA_F
ClientSampleId :
SF-9

Tgt Ion:264 Resp: 205976

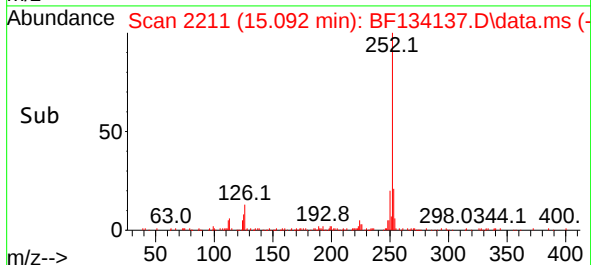
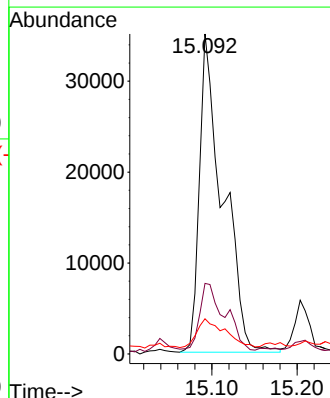
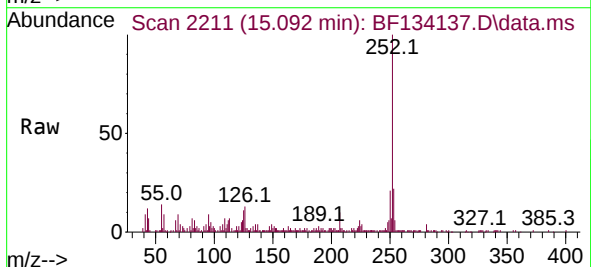
Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.5	29.3
265	21.3	16.6	25.0

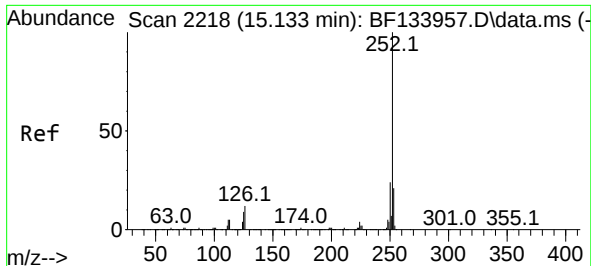


#88
Benzo(b)fluoranthene
Concen: 5.496 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.018 min
Lab File: BF134137.D
Acq: 07 Jul 2023 14:41

Tgt Ion:252 Resp: 66560

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	11.0	7.1	10.7





#89

Benzo(k)fluoranthene

Concen: 5.398 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF134137.D

Acq: 07 Jul 2023 14:41

Instrument :

BNA_F

ClientSampleId :

SF-9

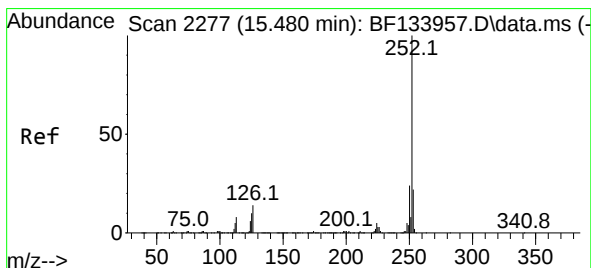
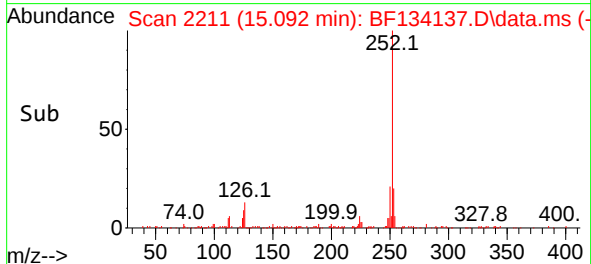
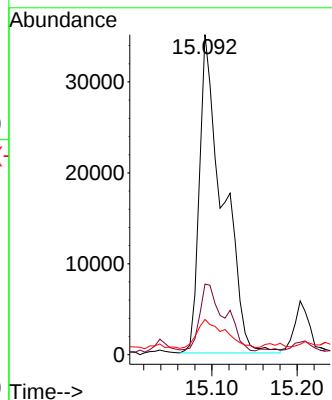
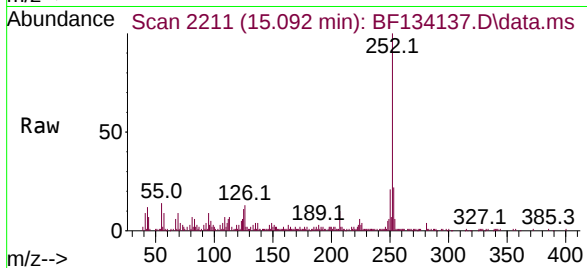
Tgt Ion:252 Resp: 66560

Ion Ratio Lower Upper

252 100

253 22.0 16.9 25.3

125 11.0 7.4 11.2



#90

Benzo(a)pyrene

Concen: 2.643 ng

RT: 15.474 min Scan# 2276

Delta R.T. -0.018 min

Lab File: BF134137.D

Acq: 07 Jul 2023 14:41

Tgt Ion:252 Resp: 30954

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 14.0 8.4 12.6#

