

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110722\
 Data File : BF131053.D
 Acq On : 07 Nov 2022 20:37
 Operator : CG\JU
 Sample : N5415-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-19

Quant Time: Nov 08 02:18:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 01:40:43 2022
 Response via : Initial Calibration

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

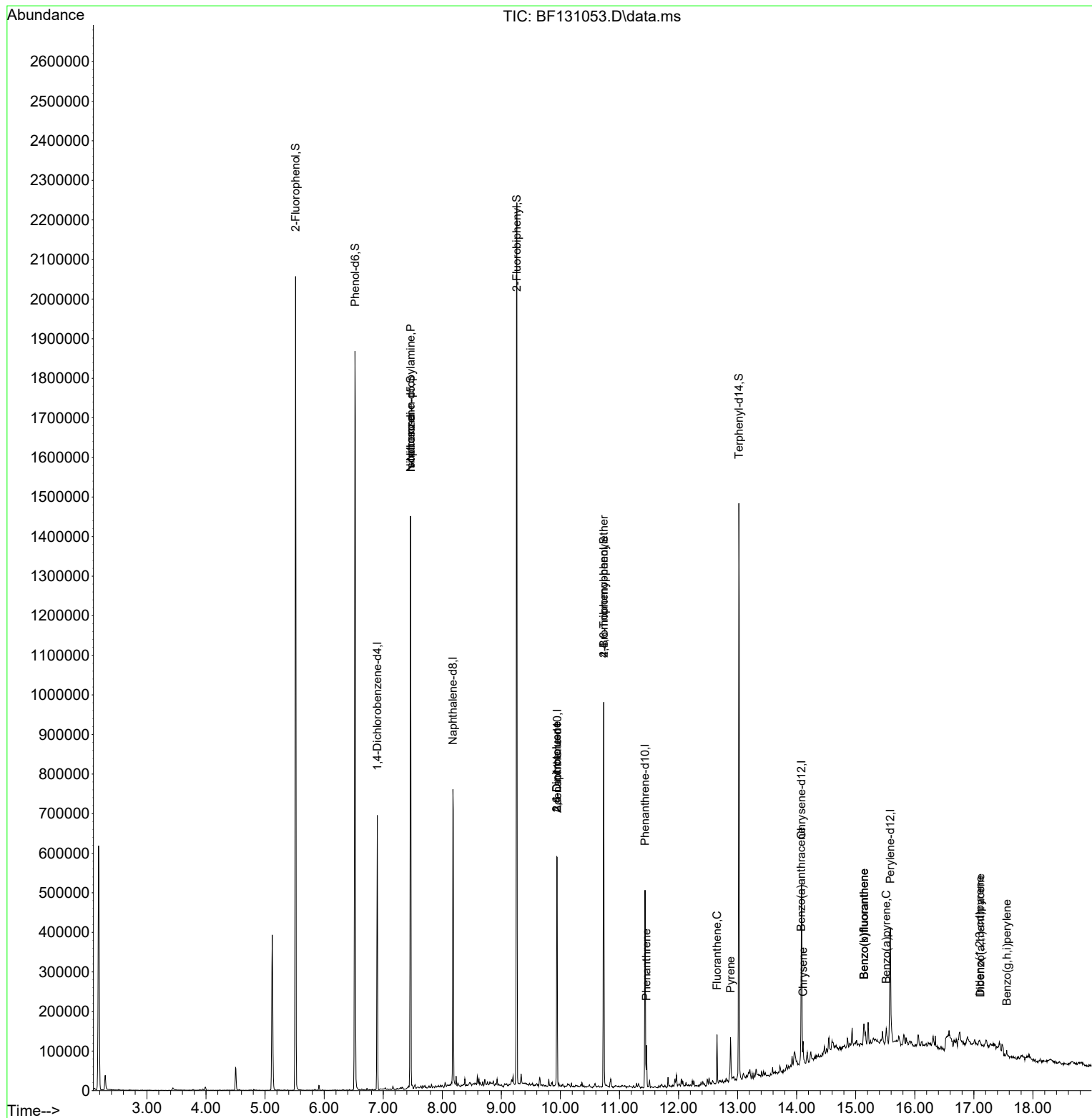
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	82545	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	308286	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	119781	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	167740	20.000	ng	0.00
76) Chrysene-d12	14.080	240	145034	20.000	ng	#-0.01
86) Perylene-d12	15.586	264	132344	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	490287	95.776	ng	0.00
7) Phenol-d6	6.522	99	628117	100.529	ng	0.00
23) Nitrobenzene-d5	7.463	82	411071	61.807	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	96498	73.173	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	664960	75.657	ng	0.00
79) Terphenyl-d14	13.022	244	490574	54.230	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	56789	12.754	ng	# 76
25) Isophorone	7.463	82	411065	36.059	ng	# 66
51) 2,6-Dinitrotoluene	9.939	165	15354	7.797	ng	# 18
55) Dibenzofuran	10.145	168	1051	Below Cal		# 88
57) 2,4-Dinitrotoluene	9.939	165	15354	6.001	ng	# 19
67) 4-Bromophenyl-phenylether	10.733	248	5703	2.706	ng	# 1
71) Phenanthrene	11.457	178	31162	3.298	ng	99
75) Fluoranthene	12.651	202	43000	4.288	ng	99
78) Pyrene	12.880	202	45375	3.435	ng	99
81) Benzo(a)anthracene	14.074	228	21641	2.055	ng	95
83) Chrysene	14.110	228	22555	2.255	ng	94
87) Indeno(1,2,3-cd)pyrene	17.098	276	11476	4.284	ng	97
88) Benzo(b)fluoranthene	15.139	252	35575	3.699	ng	# 93
89) Benzo(k)fluoranthene	15.139	252	35575	3.797	ng	# 92
90) Benzo(a)pyrene	15.515	252	17925	2.344	ng	# 92
91) Dibenzo(a,h)anthracene	17.110	278	4489	3.766	ng	# 54
92) Benzo(g,h,i)perylene	17.557	276	8516	4.245	ng	# 82

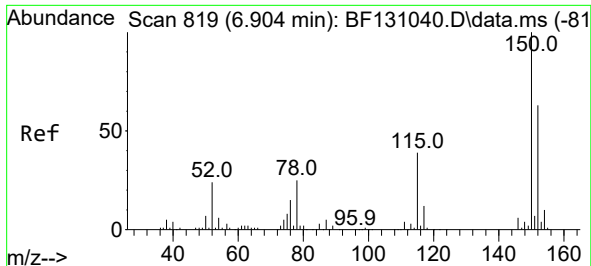
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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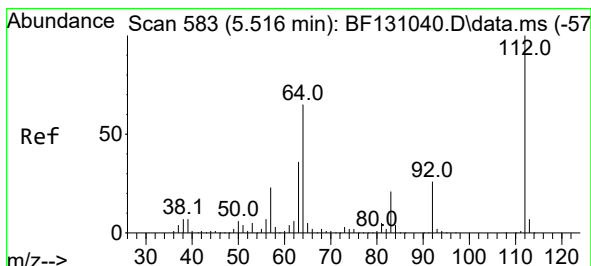
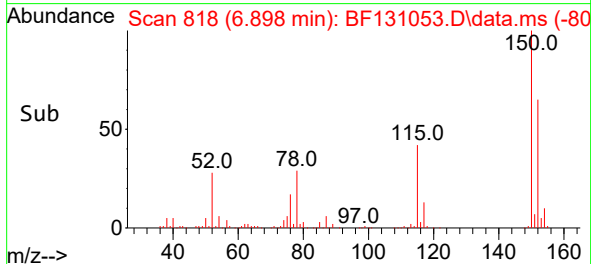
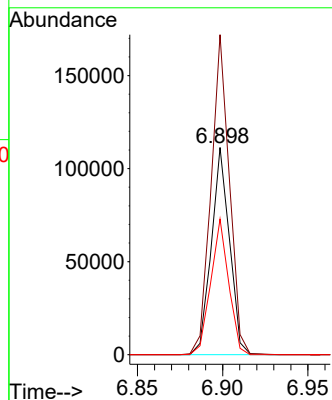
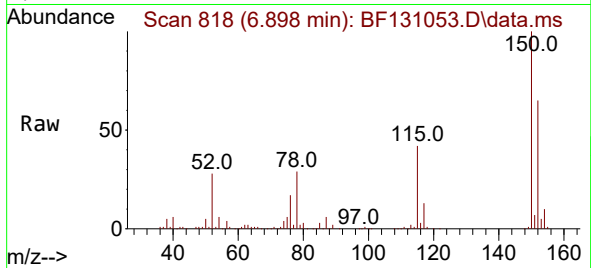




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

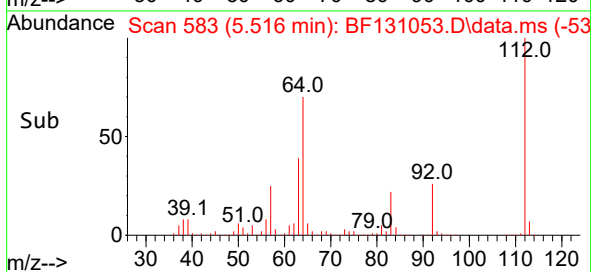
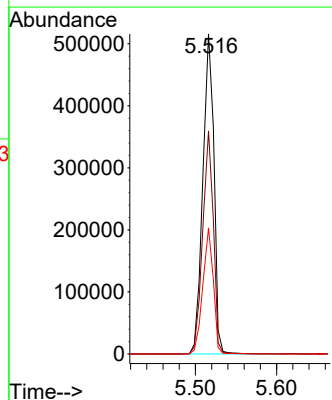
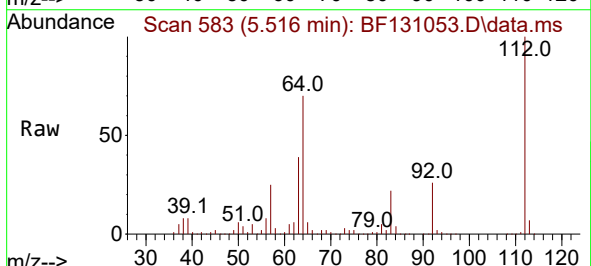
Instrument :
BNA_F
ClientSampleId :
R-19

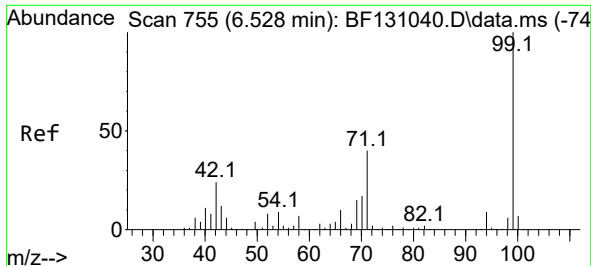
Tgt Ion:152 Resp: 82545
Ion Ratio Lower Upper
152 100
150 154.4 126.6 189.8
115 65.5 49.1 73.7



#5
2-Fluorophenol
Concen: 95.776 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.000 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

Tgt Ion:112 Resp: 490287
Ion Ratio Lower Upper
112 100
64 69.7 52.2 78.4
63 39.4 29.0 43.4

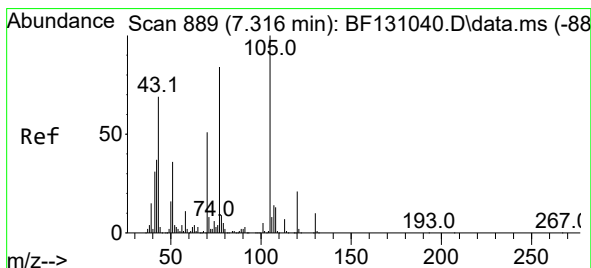
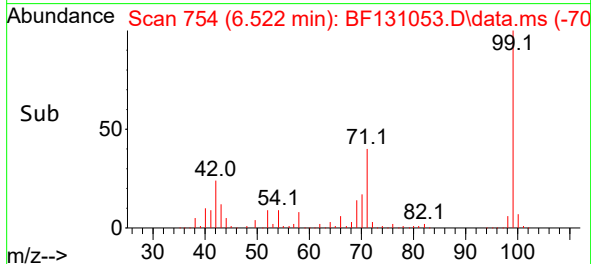
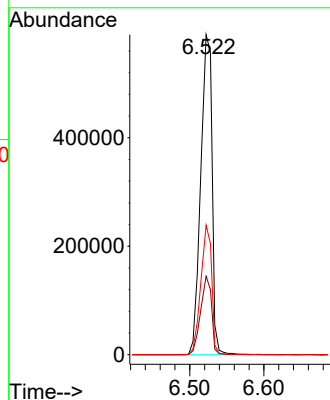
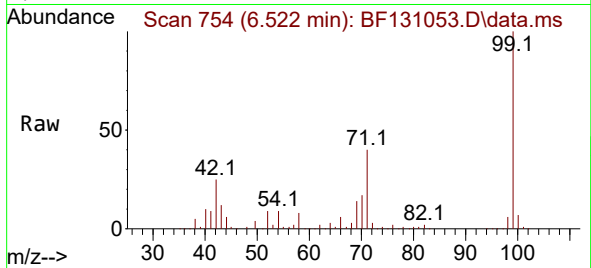




#7
Phenol-d6
Concen: 100.529 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

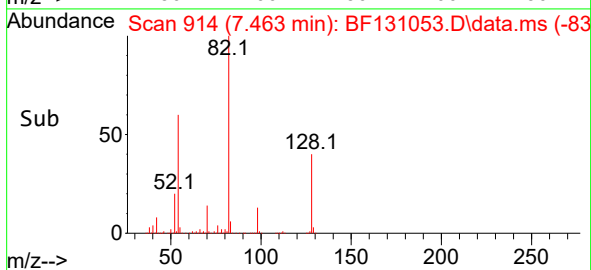
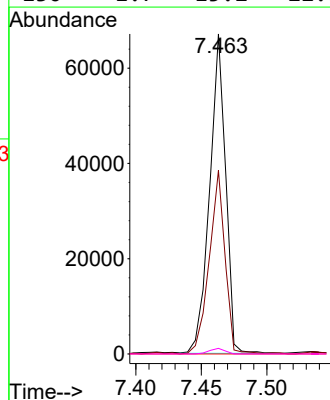
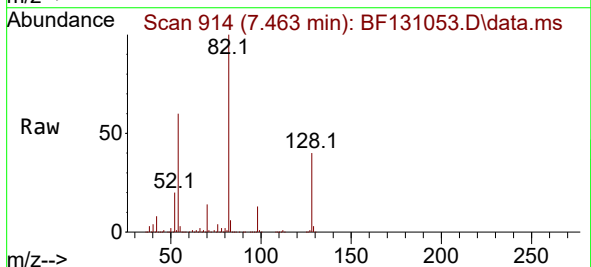
Instrument :
BNA_F
ClientSampleId :
R-19

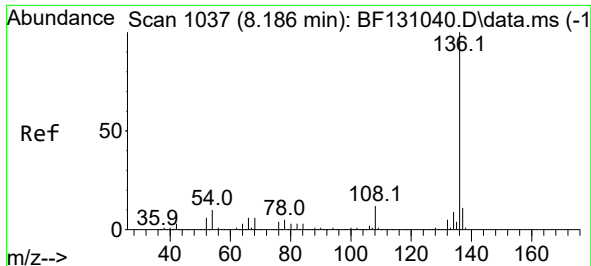
Tgt Ion: 99 Resp: 628117
Ion Ratio Lower Upper
99 100
42 24.5 19.4 29.0
71 40.4 31.8 47.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.754 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.147 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

Tgt Ion: 70 Resp: 56789
Ion Ratio Lower Upper
70 100
42 57.4 59.0 88.4#
101 0.0 8.0 12.0#
130 1.7 15.2 22.8#



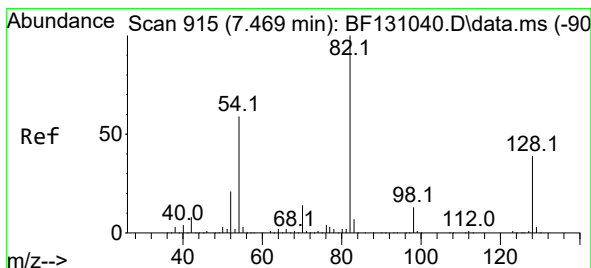
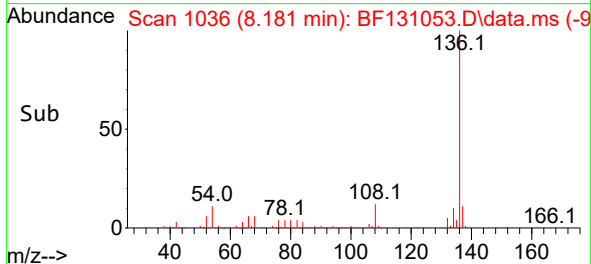
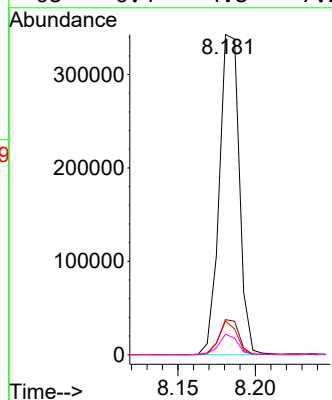
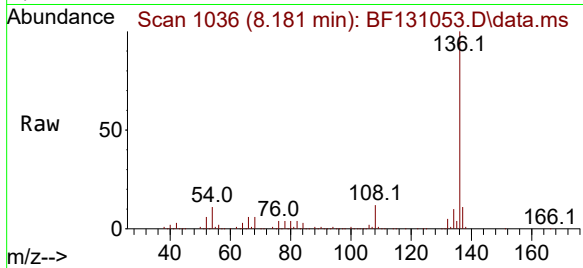


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

Instrument :
BNA_F
ClientSampleId :
R-19

Tgt Ion:136 Resp: 308286

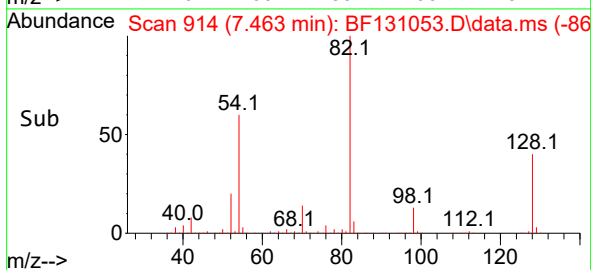
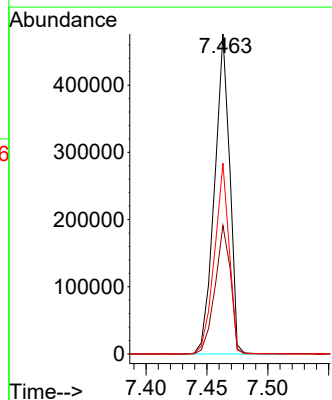
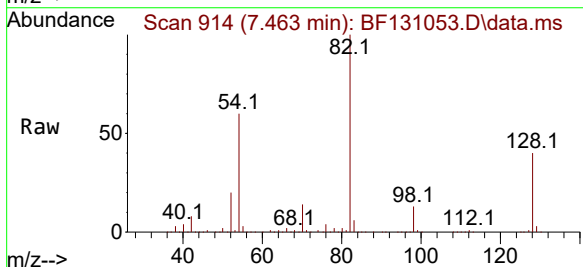
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	10.5	8.2	12.2
68	6.4	4.8	7.2

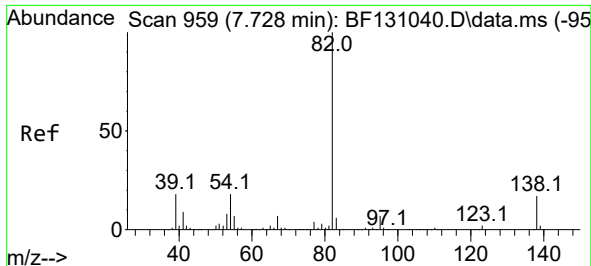


#23
Nitrobenzene-d5
Concen: 61.807 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.006 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

Tgt Ion: 82 Resp: 411071

Ion	Ratio	Lower	Upper
82	100		
128	40.2	31.3	46.9
54	59.6	47.2	70.8

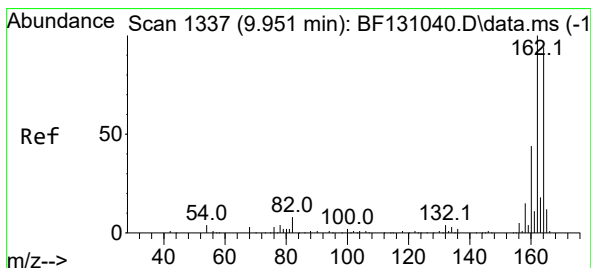
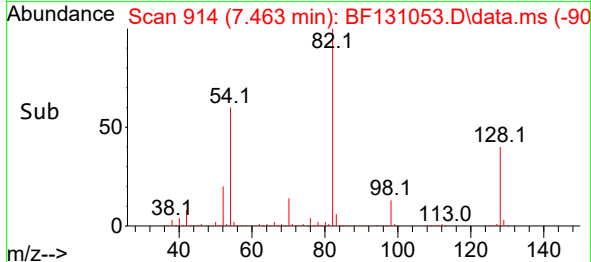
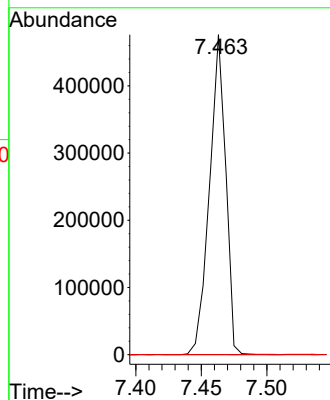
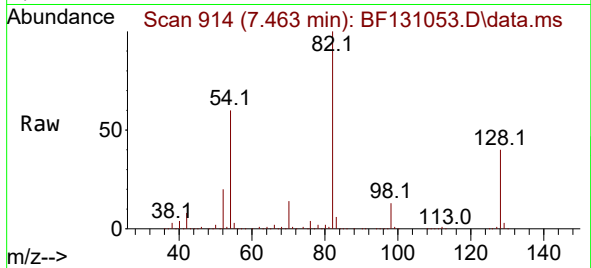




#25
Isophorone
Concen: 36.059 ng
RT: 7.463 min Scan# 91
Delta R.T. -0.264 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

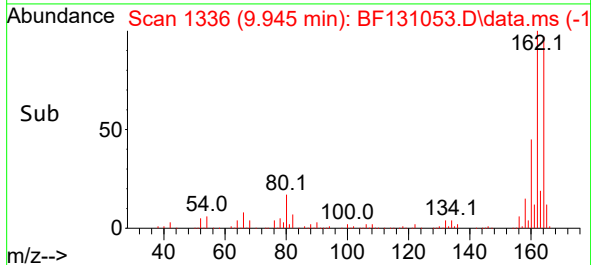
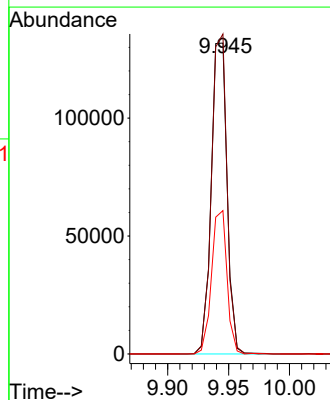
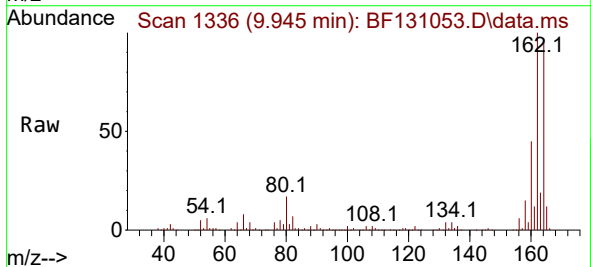
Instrument :
BNA_F
ClientSampleId :
R-19

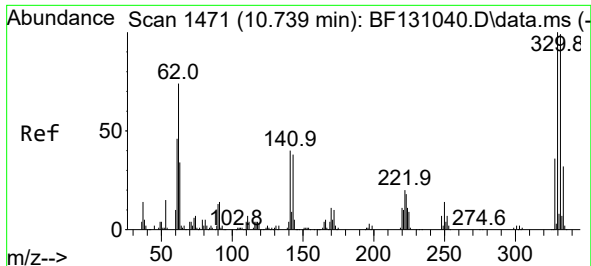
Tgt Ion: 82 Resp: 411065
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 13.5 20.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

Tgt Ion:164 Resp: 119781
Ion Ratio Lower Upper
164 100
162 102.9 85.0 127.6
160 46.1 37.0 55.6

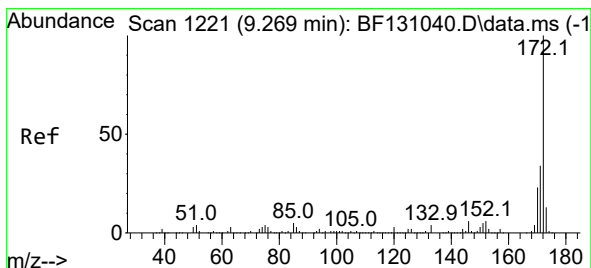
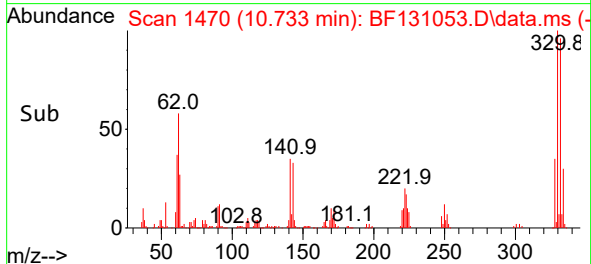
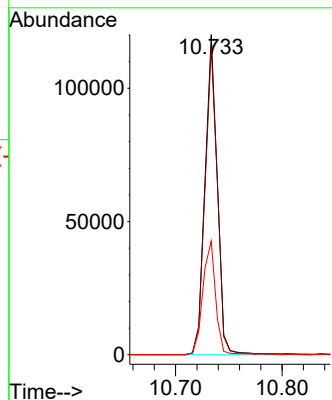
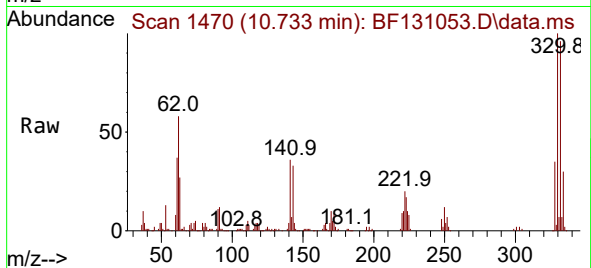




#42
2,4,6-Tribromophenol
Concen: 73.173 ng
RT: 10.733 min Scan# 1471
Delta R.T. -0.006 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

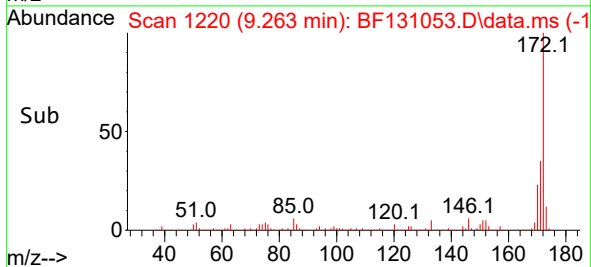
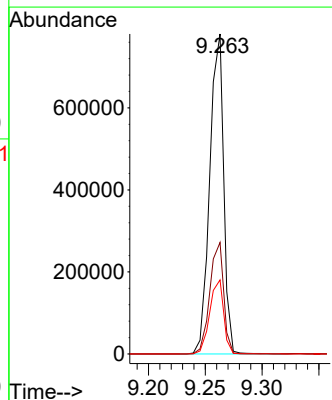
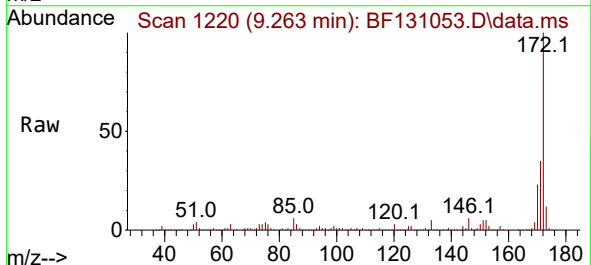
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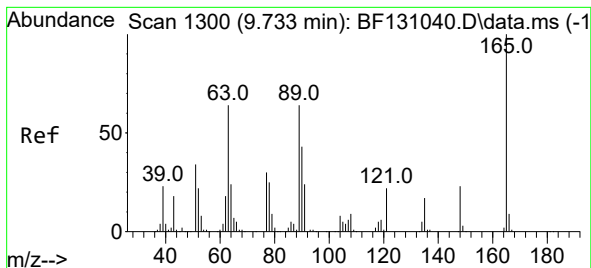
Tgt Ion:330 Resp: 96498
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 37.2 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 75.657 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

Tgt Ion:172 Resp: 664960
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 23.2 18.4 27.6





#51

2,6-Dinitrotoluene

Concen: 7.797 ng

RT: 9.939 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF131053.D

Acq: 07 Nov 2022 20:37

Instrument :

BNA_F

ClientSampleId :

R-19

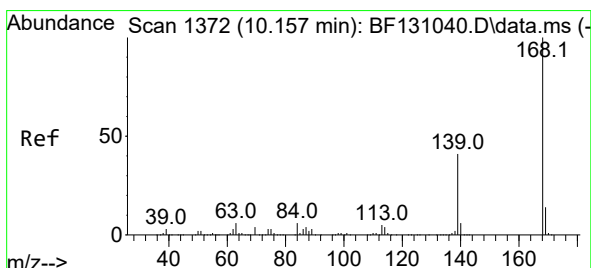
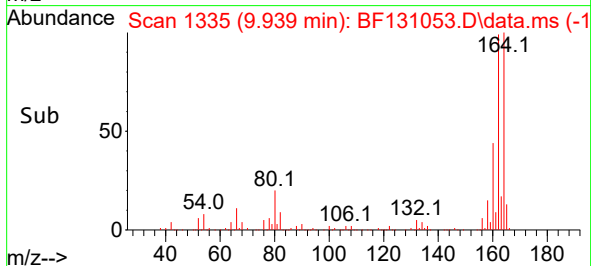
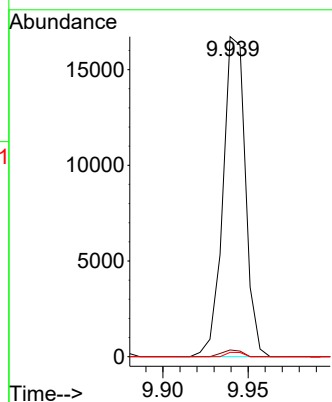
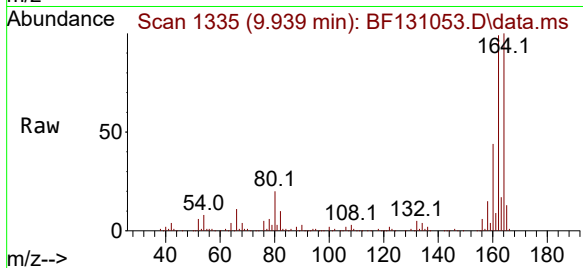
Tgt Ion:165 Resp: 15354

Ion Ratio Lower Upper

165 100

63 2.1 57.2 85.8#

89 1.3 51.4 77.2#



#55

Dibenzofuran

Concen: Below Cal

RT: 10.145 min Scan# 1370

Delta R.T. -0.012 min

Lab File: BF131053.D

Acq: 07 Nov 2022 20:37

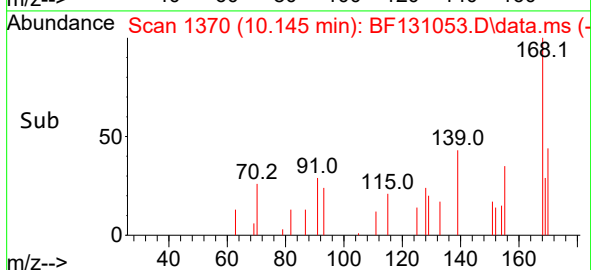
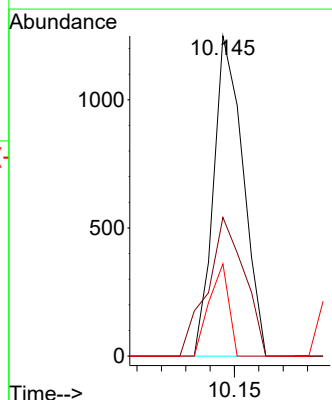
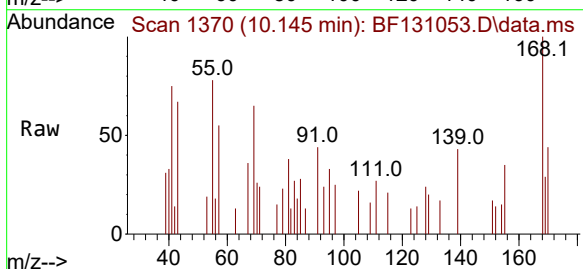
Tgt Ion:168 Resp: 1051

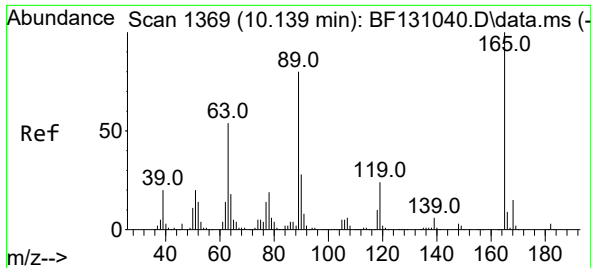
Ion Ratio Lower Upper

168 100

139 43.3 33.0 49.6

169 28.8 11.3 16.9#

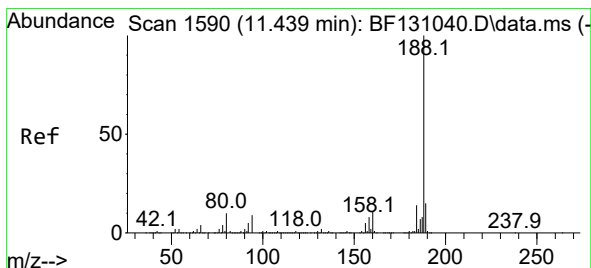
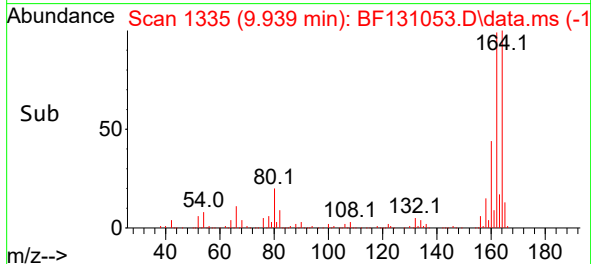
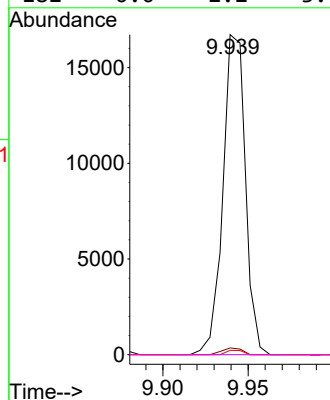
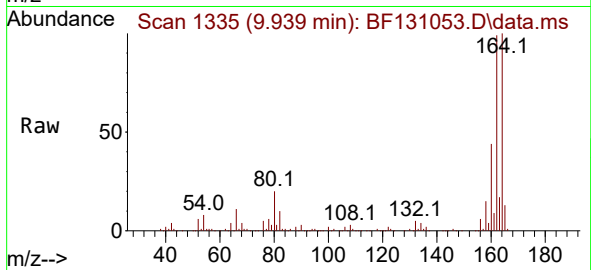




#57
2,4-Dinitrotoluene
Concen: 6.001 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

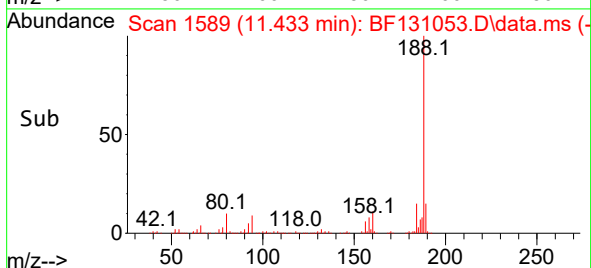
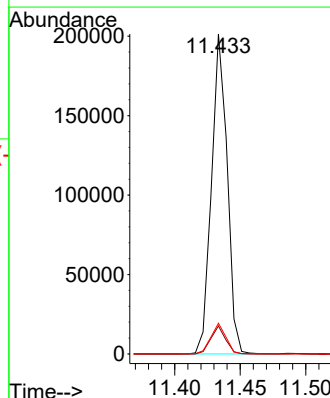
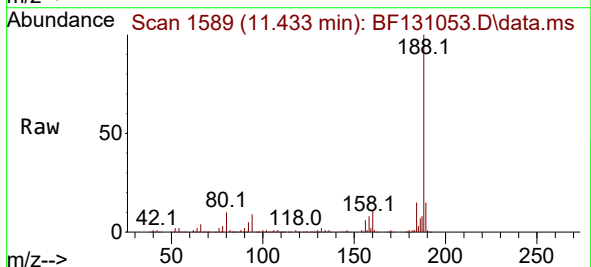
Instrument :
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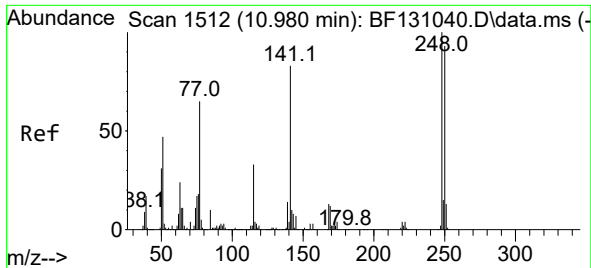
Tgt Ion:165 Resp: 15354
Ion Ratio Lower Upper
165 100
63 2.1 43.4 65.0#
89 1.3 64.0 96.0#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

Tgt Ion:188 Resp: 167740
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 9.6 8.1 12.1

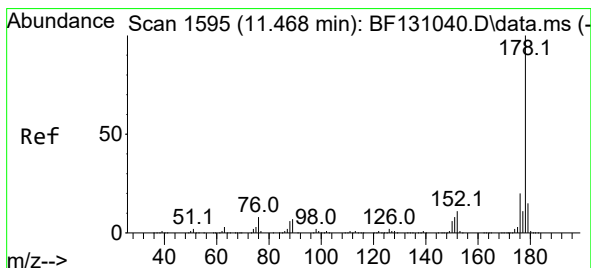
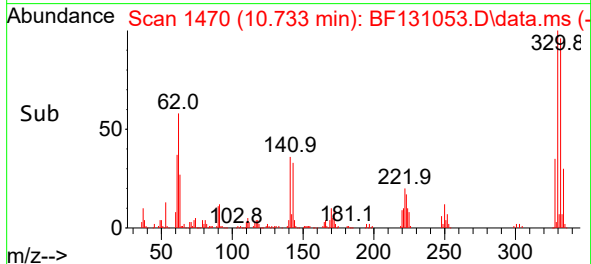
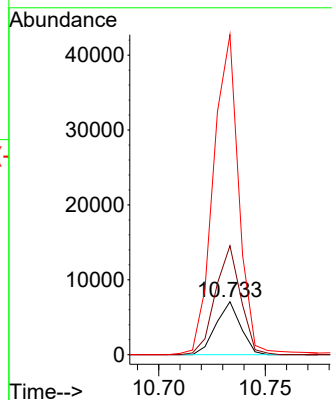
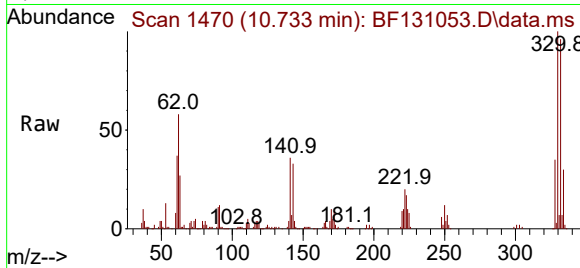




#67
4-Bromophenyl-phenylether
Concen: 2.706 ng
RT: 10.733 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

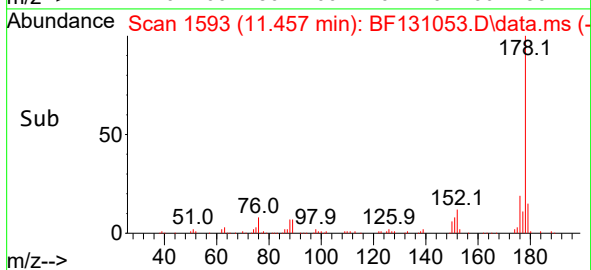
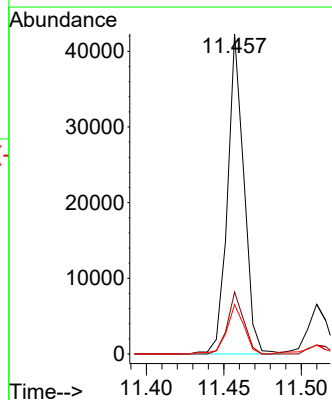
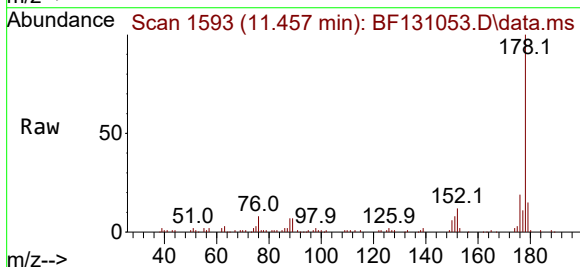
Instrument :
BNA_F
ClientSampleId :
R-19

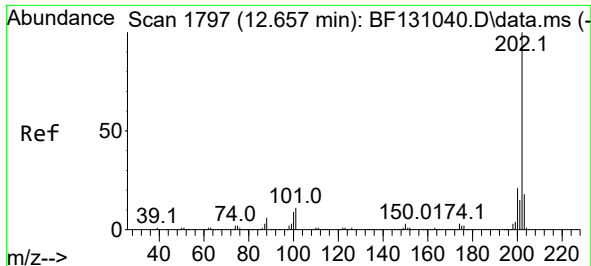
Tgt Ion:248 Resp: 5703
Ion Ratio Lower Upper
248 100
250 205.8 74.6 112.0#
141 604.0 66.2 99.2#



#71
Phenanthrene
Concen: 3.298 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.011 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

Tgt Ion:178 Resp: 31162
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.4 12.3 18.5

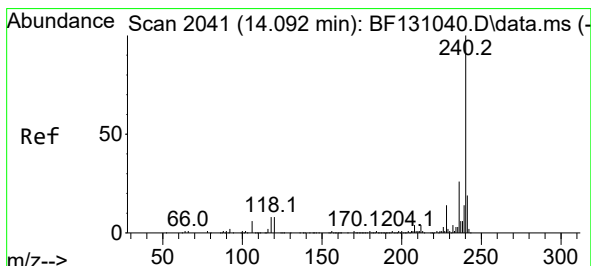
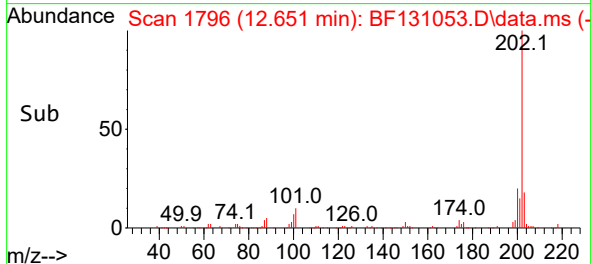
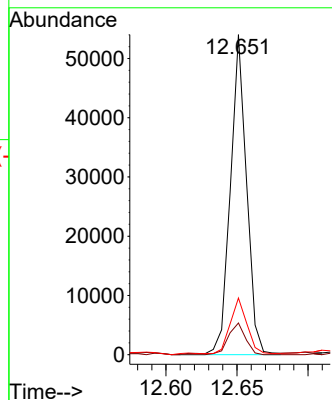
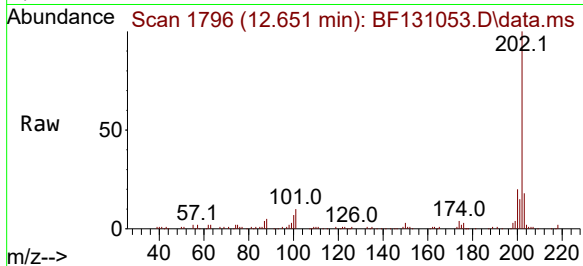




#75
Fluoranthene
Concen: 4.288 ng
RT: 12.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

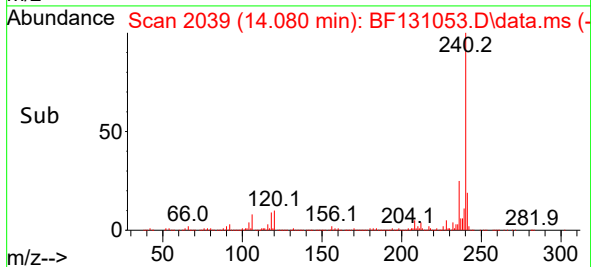
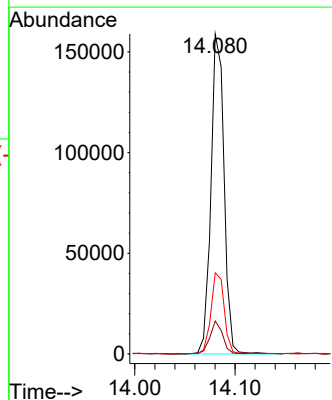
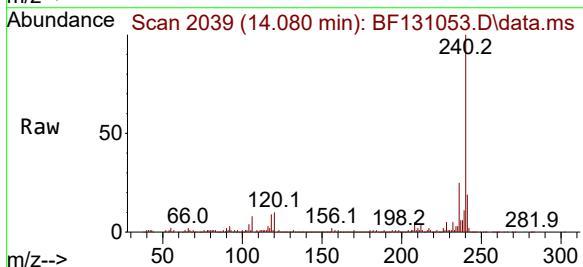
Instrument :
BNA_F
ClientSampleId :
R-19

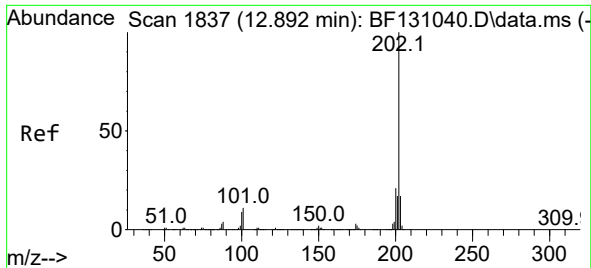
Tgt Ion:202 Resp: 43000
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.9
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.012 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

Tgt Ion:240 Resp: 145034
Ion Ratio Lower Upper
240 100
120 10.3 6.7 10.1#
236 25.4 20.8 31.2

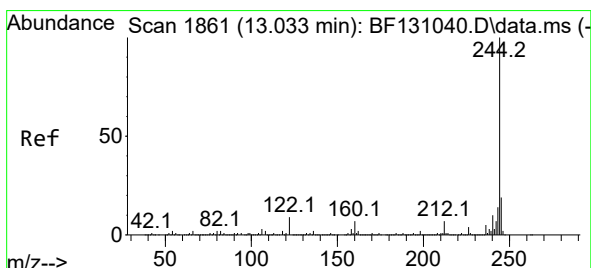
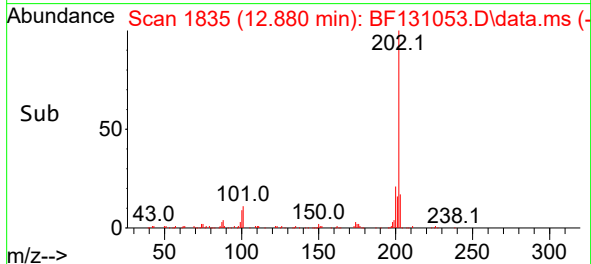
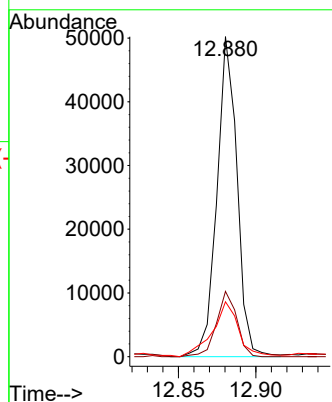
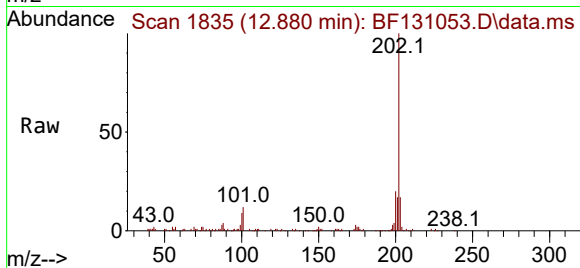




#78
Pyrene
Concen: 3.435 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

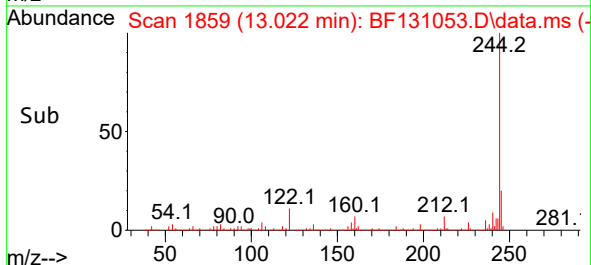
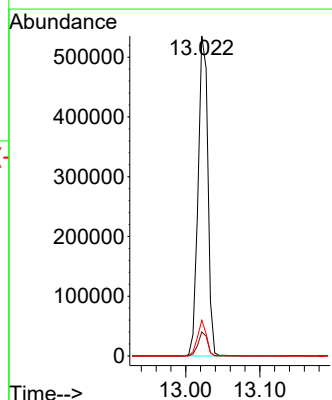
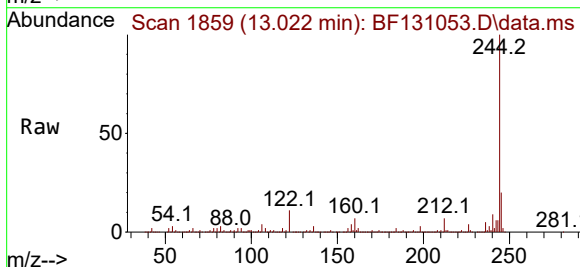
Instrument :
BNA_F
ClientSampleId :
R-19

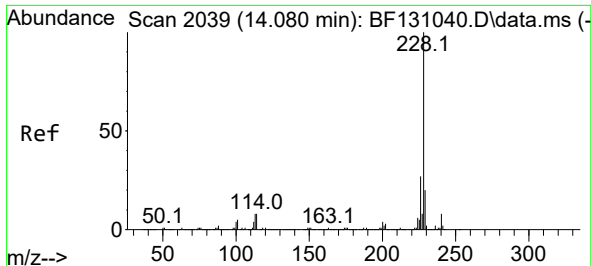
Tgt Ion:202 Resp: 45375
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 17.2 13.8 20.8



#79
Terphenyl-d14
Concen: 54.230 ng
RT: 13.022 min Scan# 1859
Delta R.T. -0.012 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

Tgt Ion:244 Resp: 490574
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 11.2 7.0 10.4#

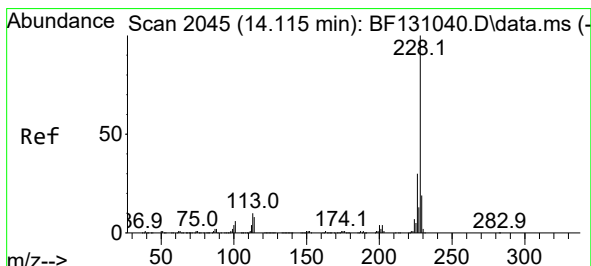
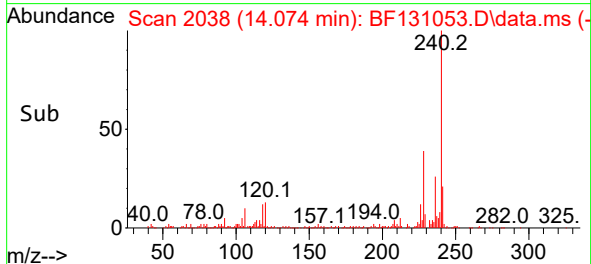
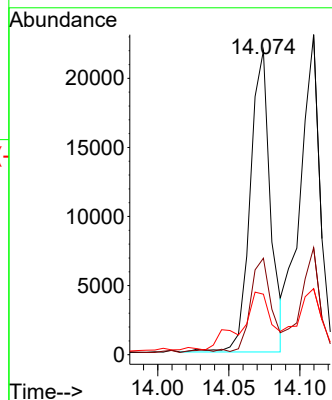
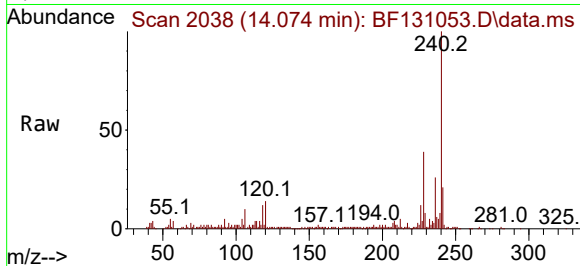




#81
Benzo(a)anthracene
Concen: 2.055 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

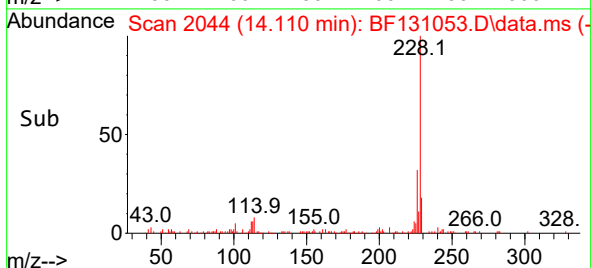
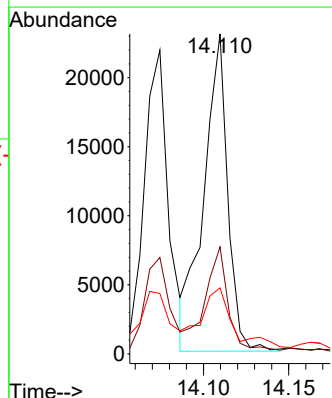
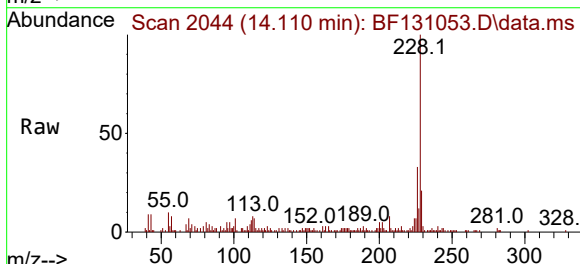
Instrument :
BNA_F
ClientSampleId :
R-19

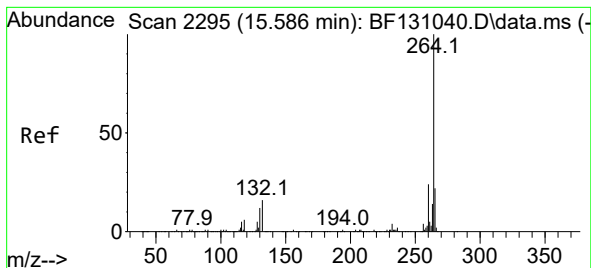
Tgt Ion:228 Resp: 21641
Ion Ratio Lower Upper
228 100
226 31.7 21.8 32.8
229 19.9 15.8 23.6



#83
Chrysene
Concen: 2.255 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.005 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

Tgt Ion:228 Resp: 22555
Ion Ratio Lower Upper
228 100
226 33.4 23.7 35.5
229 20.6 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF131053.D

Acq: 07 Nov 2022 20:37

Instrument :

BNA_F

ClientSampleId :

R-19

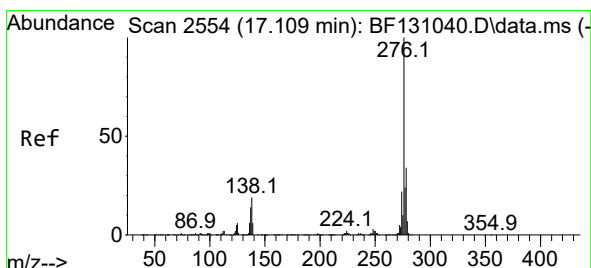
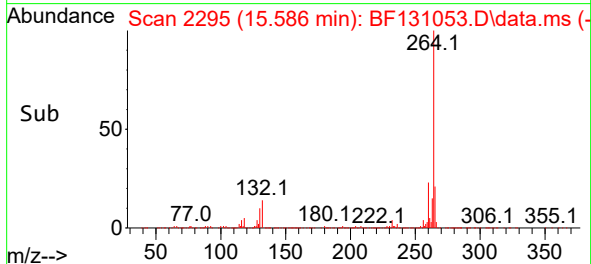
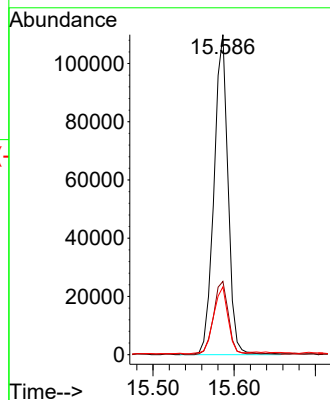
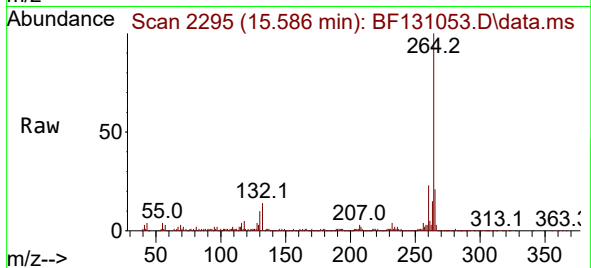
Tgt Ion:264 Resp: 132344

Ion Ratio Lower Upper

264 100

260 22.9 18.8 28.2

265 21.2 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.284 ng

RT: 17.098 min Scan# 2552

Delta R.T. -0.011 min

Lab File: BF131053.D

Acq: 07 Nov 2022 20:37

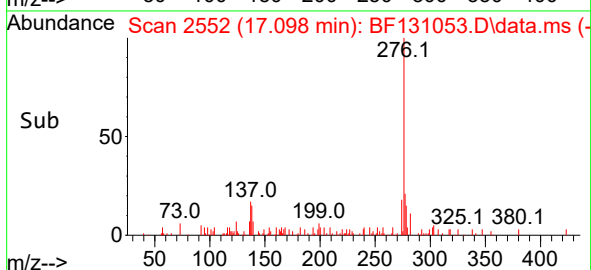
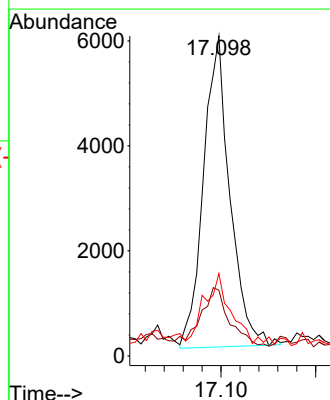
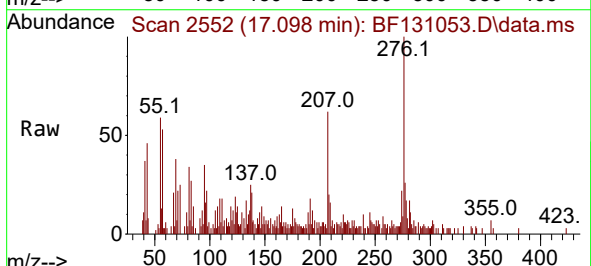
Tgt Ion:276 Resp: 11476

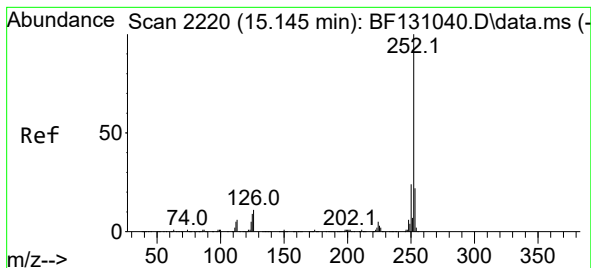
Ion Ratio Lower Upper

276 100

138 20.4 17.3 25.9

277 23.2 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 3.699 ng

RT: 15.139 min Scan# 2219

Delta R.T. -0.006 min

Lab File: BF131053.D

Acq: 07 Nov 2022 20:37

Instrument :

BNA_F

ClientSampleId :

R-19

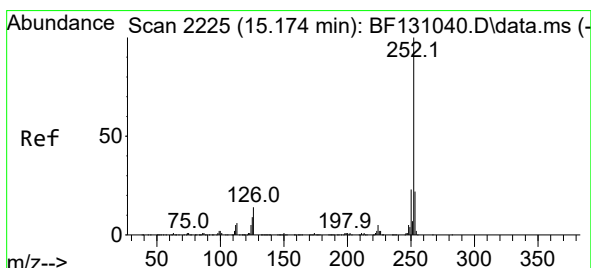
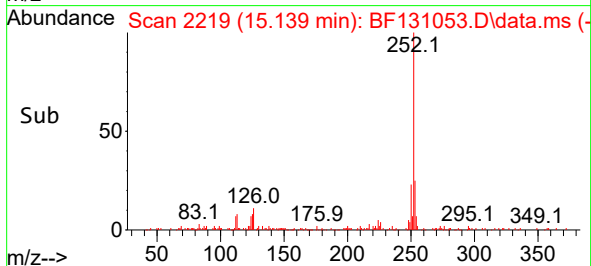
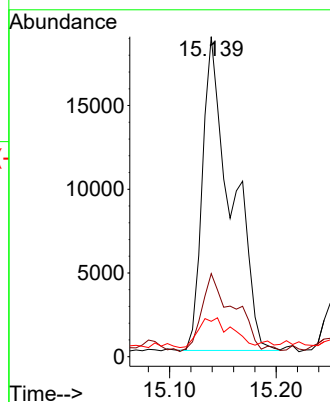
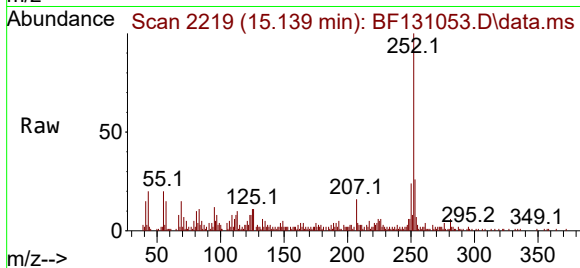
Tgt Ion:252 Resp: 35575

Ion Ratio Lower Upper

252 100

253 25.9 17.9 26.9

125 11.1 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 3.797 ng

RT: 15.139 min Scan# 2219

Delta R.T. -0.035 min

Lab File: BF131053.D

Acq: 07 Nov 2022 20:37

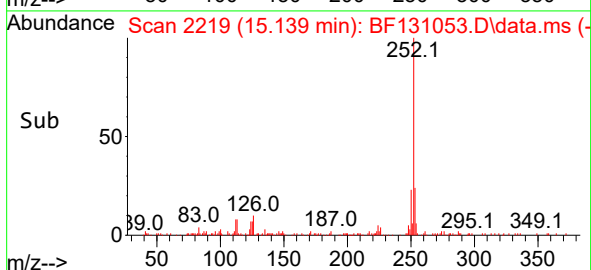
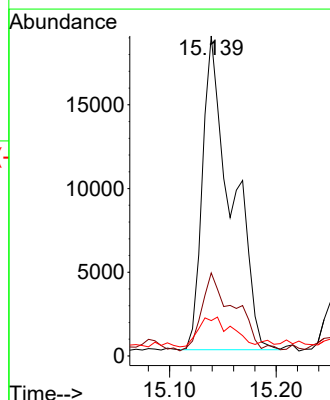
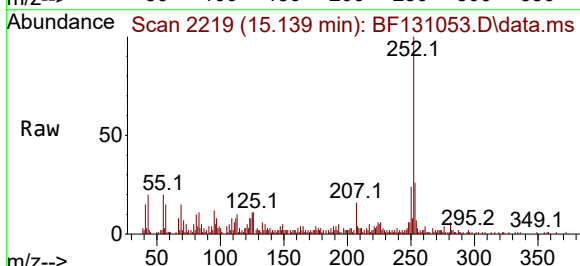
Tgt Ion:252 Resp: 35575

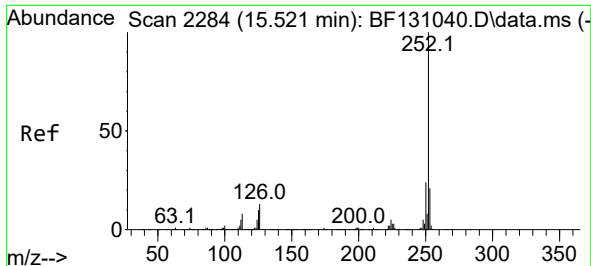
Ion Ratio Lower Upper

252 100

253 25.9 17.1 25.7#

125 11.1 7.2 10.8#

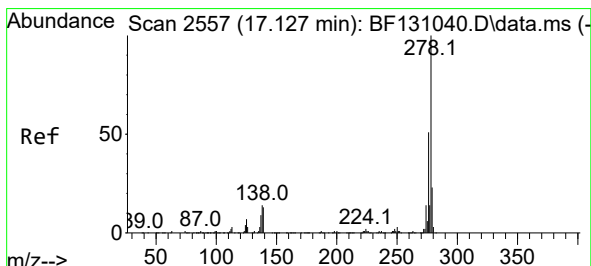
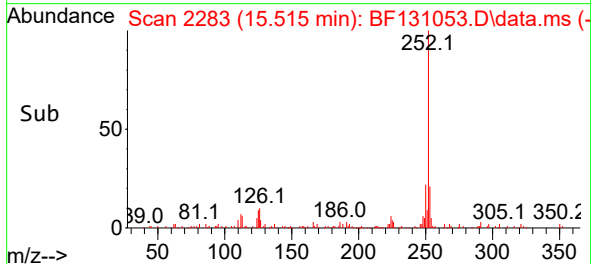
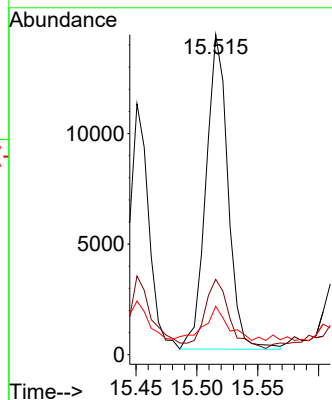
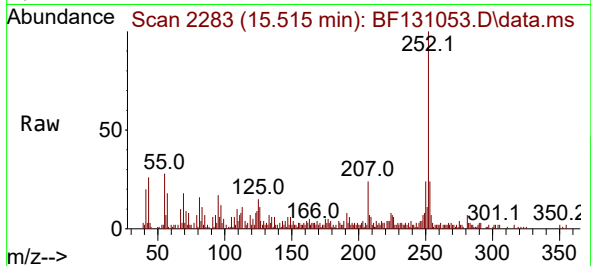




#90
Benzo(a)pyrene
Concen: 2.344 ng
RT: 15.515 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

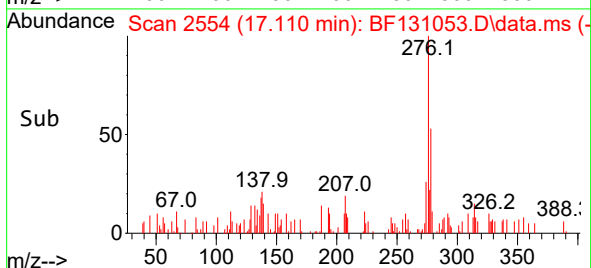
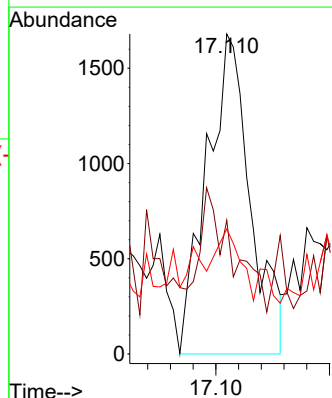
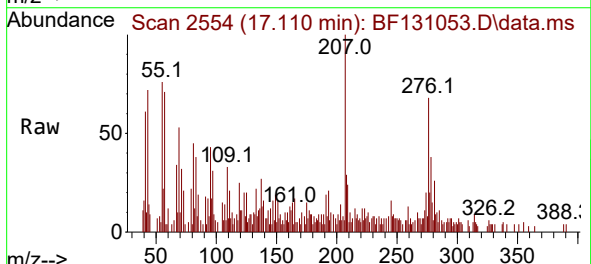
Instrument :
BNA_F
ClientSampleId :
R-19

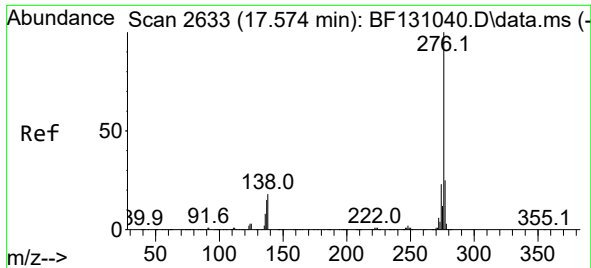
Tgt Ion:252 Resp: 17925
Ion Ratio Lower Upper
252 100
253 23.6 16.9 25.3
125 15.2 7.9 11.9#



#91
Dibenzo(a,h)anthracene
Concen: 3.766 ng
RT: 17.110 min Scan# 2554
Delta R.T. -0.017 min
Lab File: BF131053.D
Acq: 07 Nov 2022 20:37

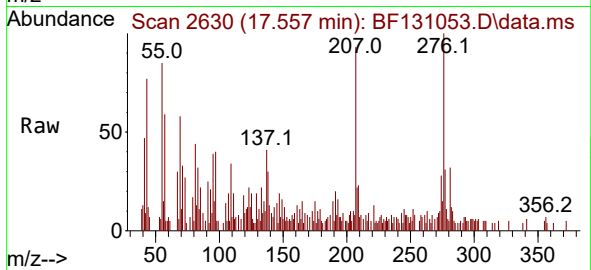
Tgt Ion:278 Resp: 4489
Ion Ratio Lower Upper
278 100
139 41.8 10.8 16.2#
279 39.0 18.7 28.1#





#92
 Benzo(g,h,i)perylene
 Concen: 4.245 ng
 RT: 17.557 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: BF131053.D
 Acq: 07 Nov 2022 20:37

Instrument :
 BNA_F
 ClientSampleId :
 R-19



Tgt Ion:	276	Resp:	8516
Ion Ratio	Lower	Upper	
276	100		
277	31.1	20.0	30.0#
138	30.4	14.8	22.2#

