

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
 Data File : BF133316.D
 Acq On : 09 May 2023 14:32
 Operator : CG\JU
 Sample : 02665-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-612-COMP-02

Quant Time: May 10 01:46:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

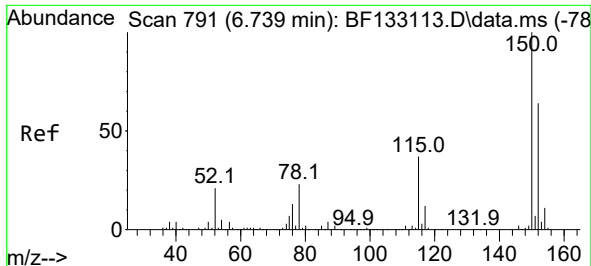
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	181324	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	720290	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	371088	20.000	ng	0.00
64) Phenanthrene-d10	11.233	188	668875	20.000	ng	-0.01
76) Chrysene-d12	13.868	240	376468	20.000	ng	-0.01
86) Perylene-d12	15.292	264	399734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1207577	100.603	ng	0.00
7) Phenol-d6	6.363	99	1460701	98.042	ng	0.00
23) Nitrobenzene-d5	7.286	82	884155	66.257	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	336530	90.174	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1544279	69.622	ng	0.00
79) Terphenyl-d14	12.827	244	1621169	74.269	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.269	77	246	Below Cal	#	55
19) n-Nitroso-di-n-propyla...	7.286	70	116380	12.547	ng	# 77
25) Isophorone	7.286	82	882644	34.837	ng	# 63
50) Dimethylphthalate	9.757	163	78559	3.036	ng	# 1
51) 2,6-Dinitrotoluene	9.751	165	50260	8.630	ng	# 25
63) Azobenzene	10.469	77	172919	6.679	ng	# 1
67) 4-Bromophenyl-phenylether	10.545	248	22179	3.057	ng	# 1
71) Phenanthrene	11.263	178	488887	13.599	ng	99
75) Fluoranthene	12.445	202	489180	13.558	ng	98
78) Pyrene	12.674	202	567300	17.579	ng	99
81) Benzo(a)anthracene	13.862	228	201224	7.773	ng	94
83) Chrysene	13.898	228	206660	7.985	ng	99
87) Indeno(1,2,3-cd)pyrene	16.656	276	92364	4.062	ng	95
88) Benzo(b)fluoranthene	14.886	252	247781	9.743	ng	99
89) Benzo(k)fluoranthene	14.886	252	247781	9.829	ng	99
90) Benzo(a)pyrene	15.227	252	149053	6.439	ng	98
92) Benzo(g,h,i)perylene	17.068	276	91690	4.897	ng	98

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 09 04:59:36 2023
Response via : Initial Calibration

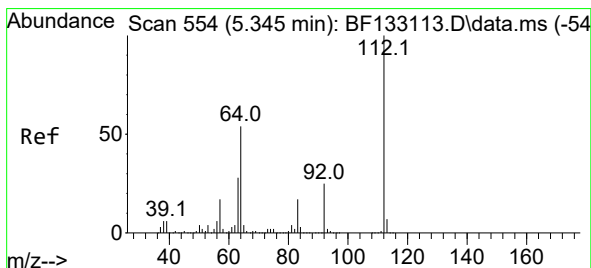
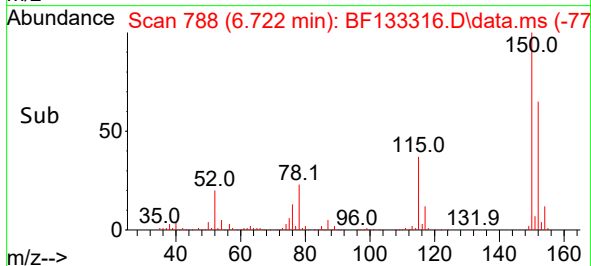
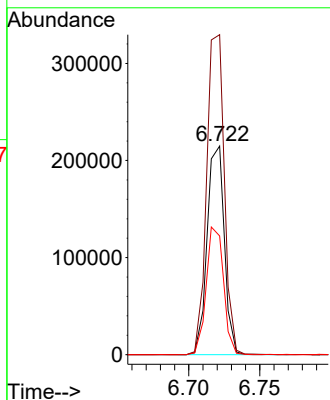
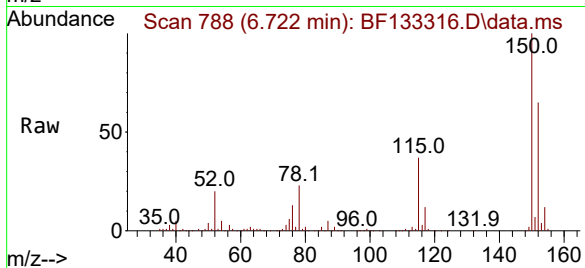




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

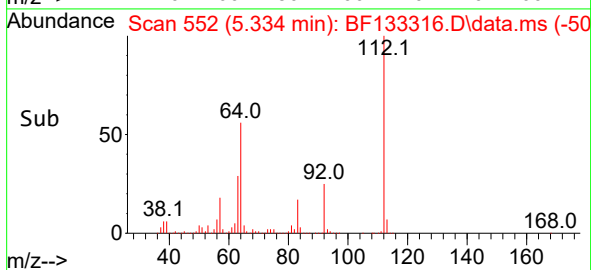
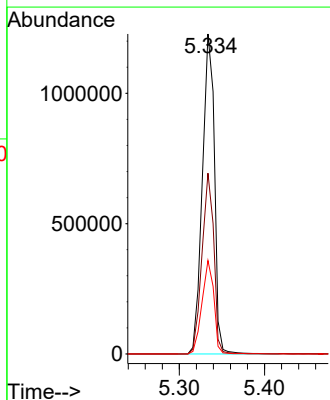
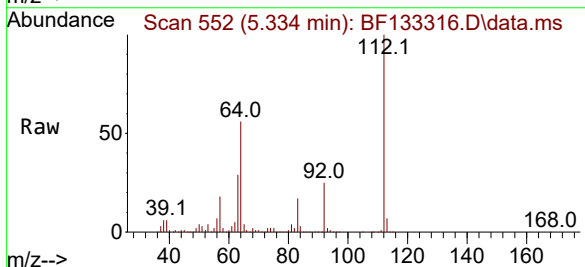
Instrument :
BNA_F
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TR-612-COMP-02

Tgt Ion:152 Resp: 181324
Ion Ratio Lower Upper
152 100
150 153.4 124.8 187.2
115 56.9 49.9 74.9



#5
2-Fluorophenol
Concen: 100.603 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

Tgt Ion:112 Resp: 1207577
Ion Ratio Lower Upper
112 100
64 56.5 46.8 70.2
63 29.2 23.8 35.8

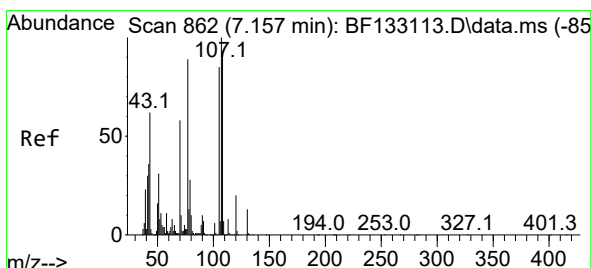
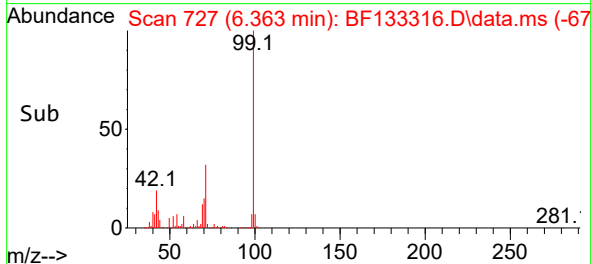
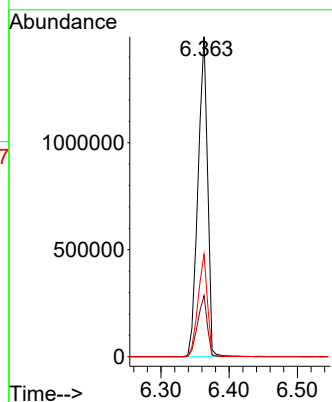
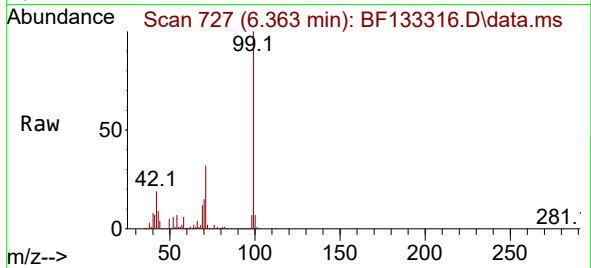




#7
Phenol-d6
Concen: 98.042 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

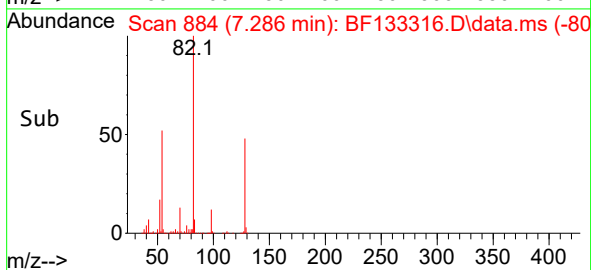
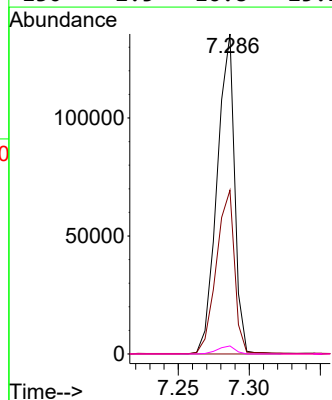
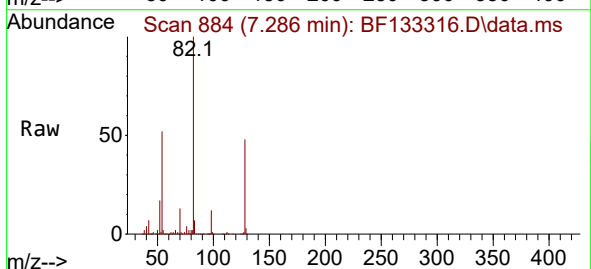
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ClientSampleId :
TR-612-COMP-02

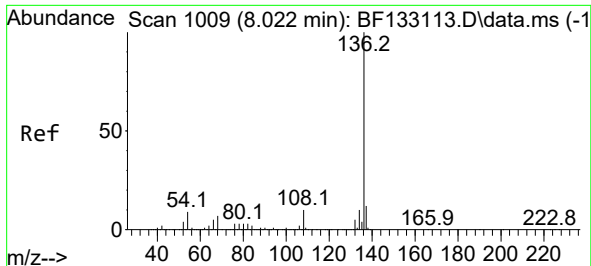
Tgt Ion: 99 Resp: 1460701
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 32.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.547 ng
RT: 7.286 min Scan# 884
Delta R.T. 0.141 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

Tgt Ion: 70 Resp: 116380
Ion Ratio Lower Upper
70 100
42 51.2 51.8 77.6#
101 0.0 8.0 12.0#
130 2.5 16.8 25.2#

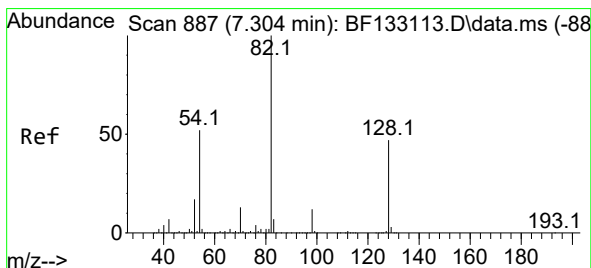
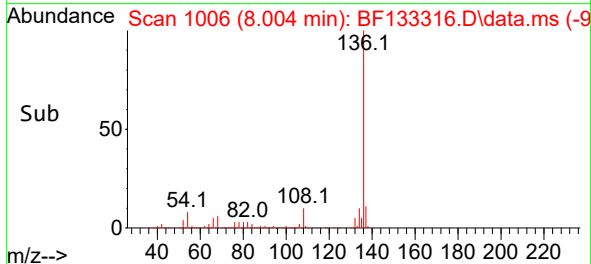
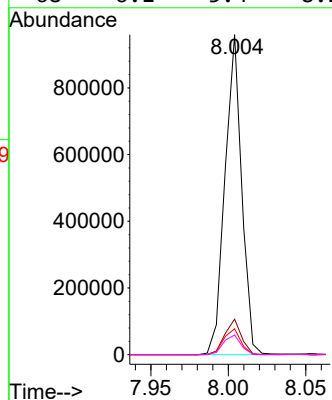
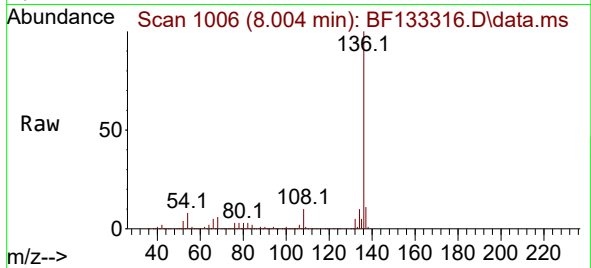




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

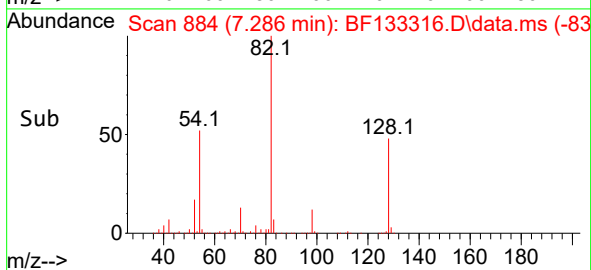
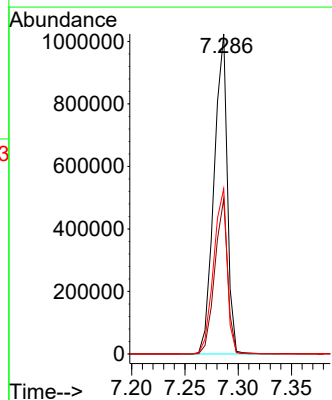
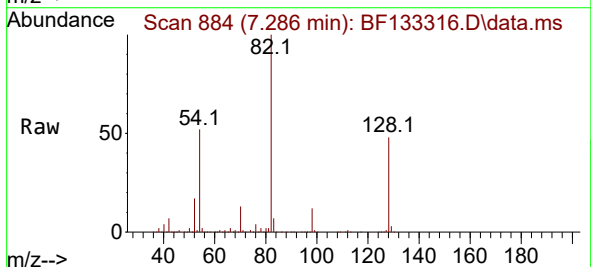
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TR-612-COMP-02

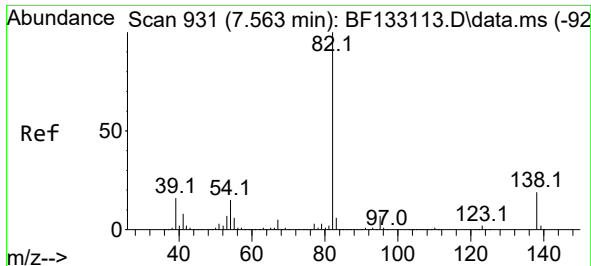
Tgt Ion:136 Resp: 720290
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.1 7.0 10.4
68 6.1 5.4 8.2



#23
Nitrobenzene-d5
Concen: 66.257 ng
RT: 7.286 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

Tgt Ion: 82 Resp: 884155
Ion Ratio Lower Upper
82 100
128 48.5 37.7 56.5
54 51.7 43.0 64.4

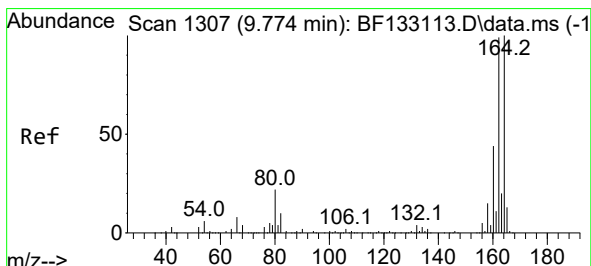
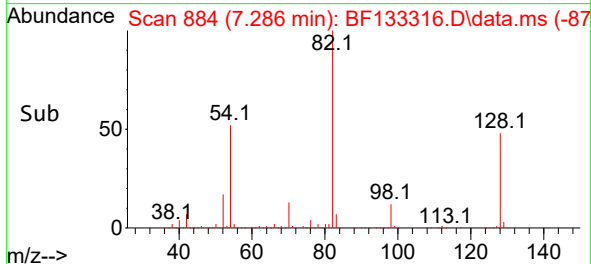
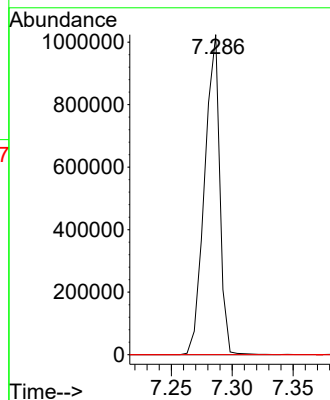
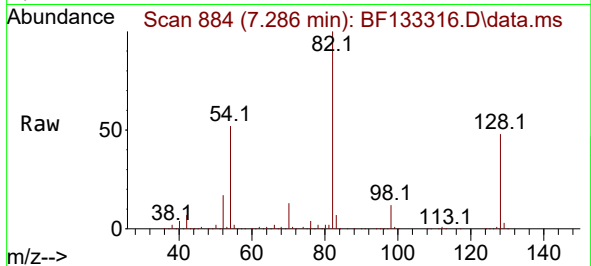




#25
Isophorone
Concen: 34.837 ng
RT: 7.286 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

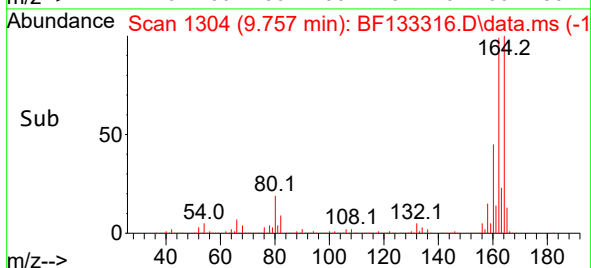
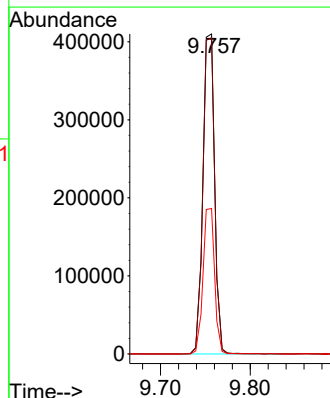
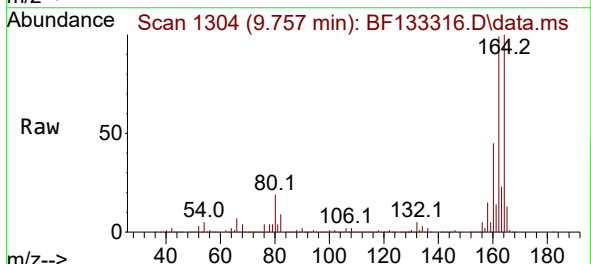
Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

Tgt Ion: 82 Resp: 882644
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

Tgt Ion: 164 Resp: 371088
Ion Ratio Lower Upper
164 100
162 98.8 78.7 118.1
160 45.5 35.8 53.6

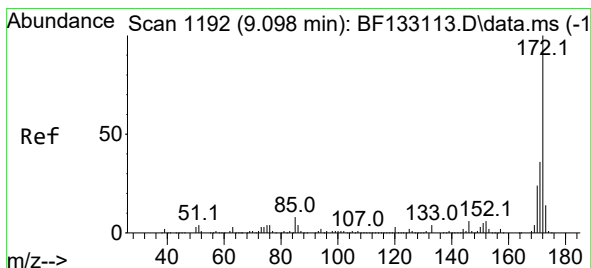
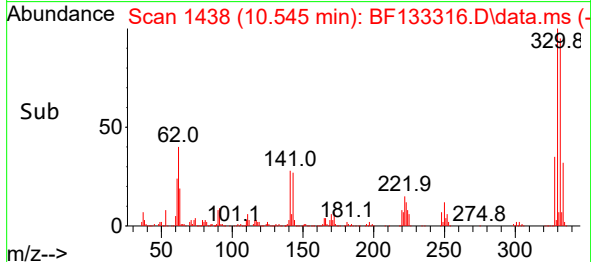
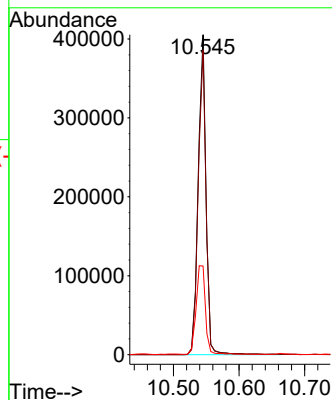
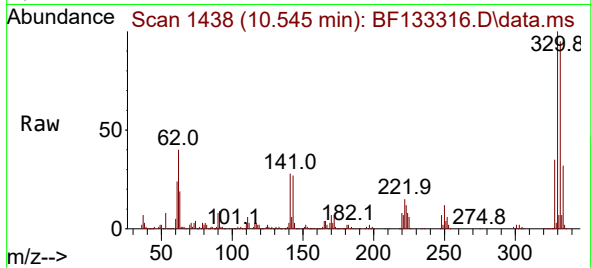




#42
 2,4,6-Tribromophenol
 Concen: 90.174 ng
 RT: 10.545 min Scan# 1441
 Delta R.T. -0.006 min
 Lab File: BF133316.D
 Acq: 09 May 2023 14:32

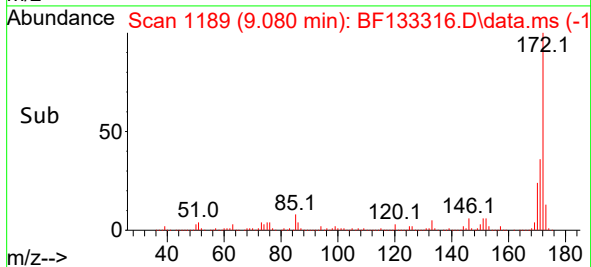
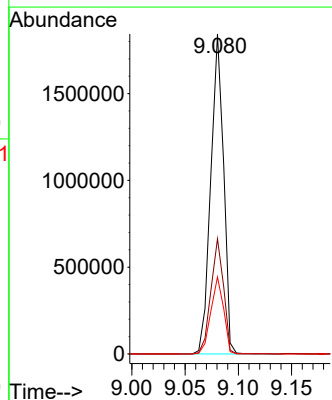
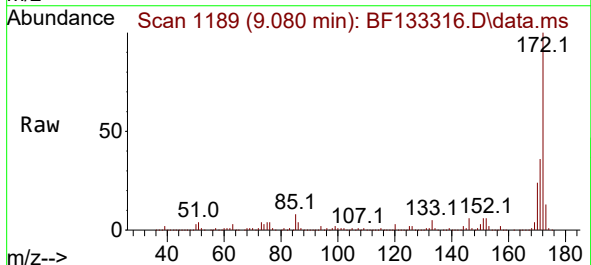
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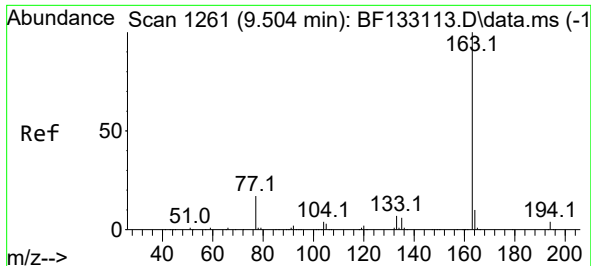
Tgt Ion: 330 Resp: 336530
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.1 115.7
 141 33.1 25.8 38.8



#45
 2-Fluorobiphenyl
 Concen: 69.622 ng
 RT: 9.080 min Scan# 1189
 Delta R.T. -0.006 min
 Lab File: BF133316.D
 Acq: 09 May 2023 14:32

Tgt Ion: 172 Resp: 1544279
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.8 43.2
 170 24.0 19.4 29.2

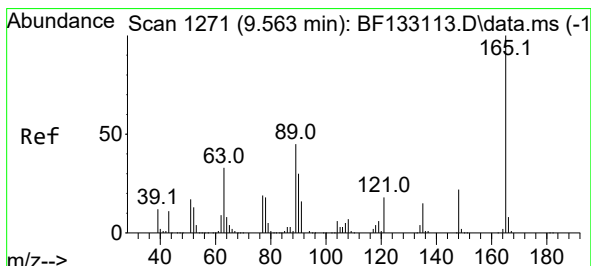
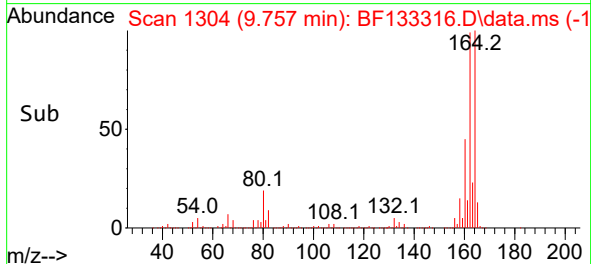
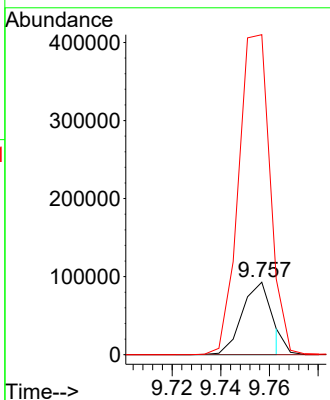
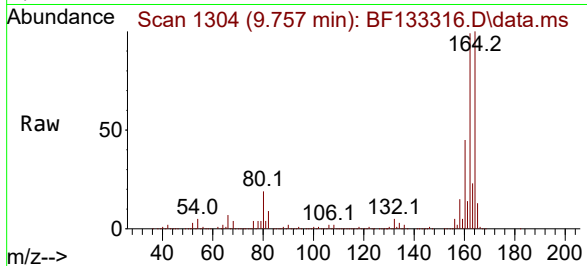




#50
Dimethylphthalate
Concen: 3.036 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

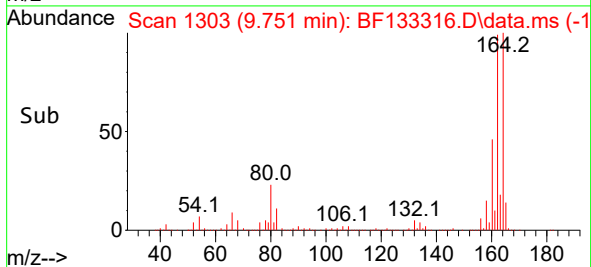
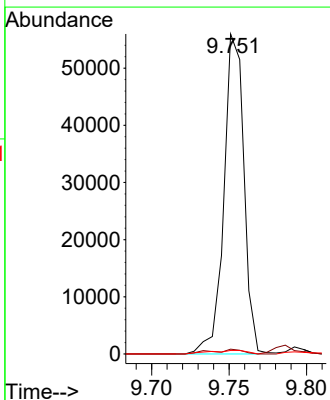
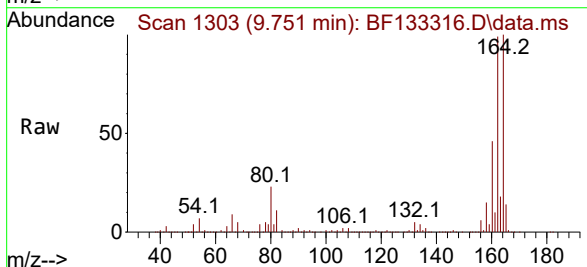
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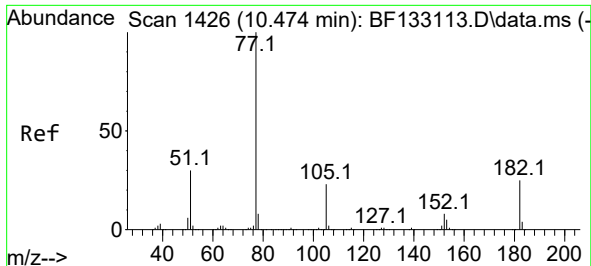
Tgt Ion:163 Resp: 78559
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 441.0 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.630 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.200 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

Tgt Ion:165 Resp: 50260
Ion Ratio Lower Upper
165 100
63 1.5 45.9 68.9#
89 1.1 44.0 66.0#

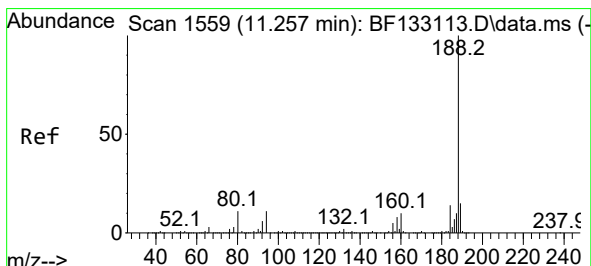
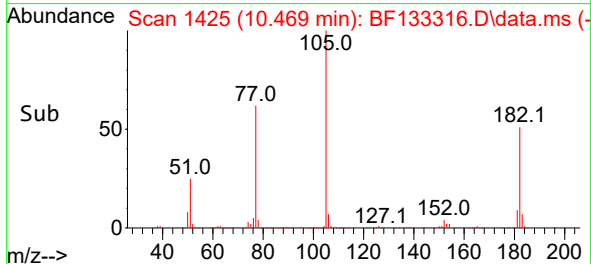
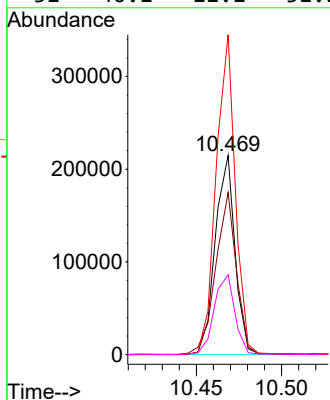
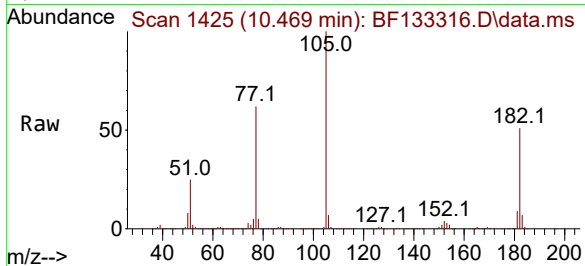




#63
Azobenzene
Concen: 6.679 ng
RT: 10.469 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

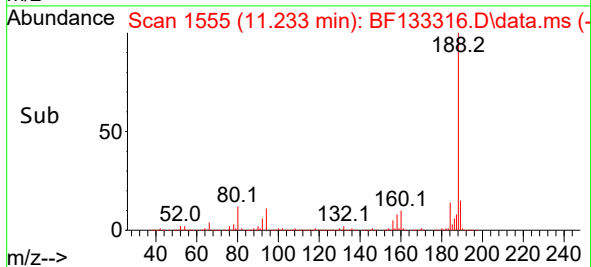
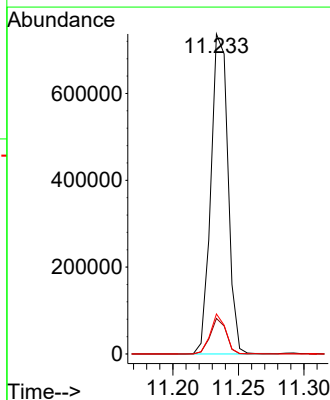
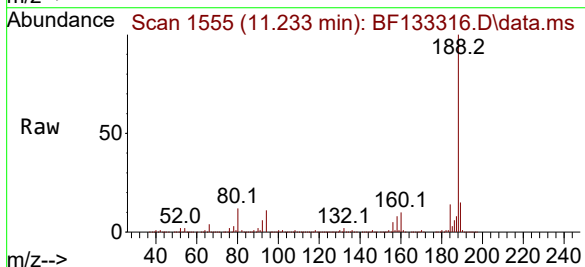
Instrument :
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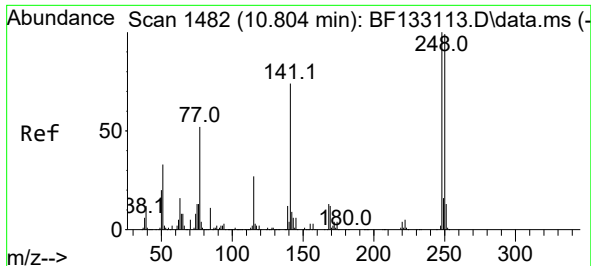
Tgt Ion: 77 Resp: 172919
Ion Ratio Lower Upper
77 100
182 81.5 5.9 45.9#
105 160.6 2.3 42.3#
51 40.1 11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.012 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

Tgt Ion: 188 Resp: 668875
Ion Ratio Lower Upper
188 100
94 11.1 9.7 14.5
80 12.5 10.4 15.6

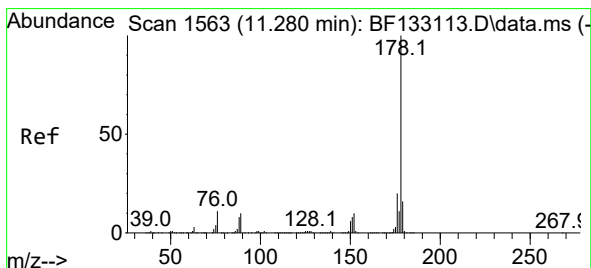
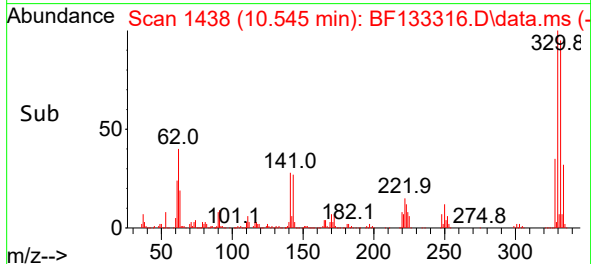
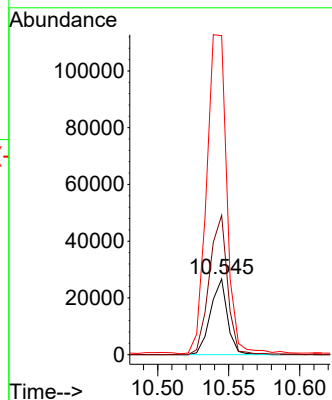
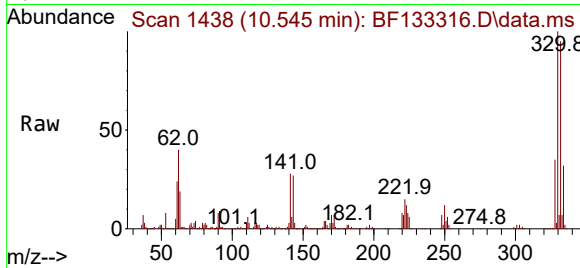




#67
4-Bromophenyl-phenylether
Concen: 3.057 ng
RT: 10.545 min Scan# 1482
Delta R.T. -0.247 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

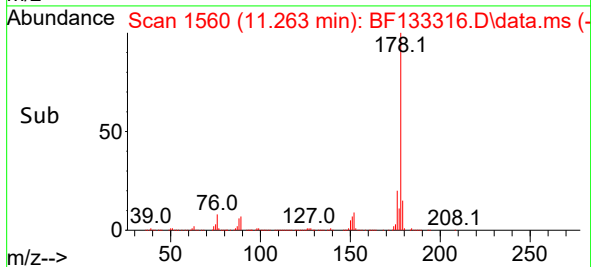
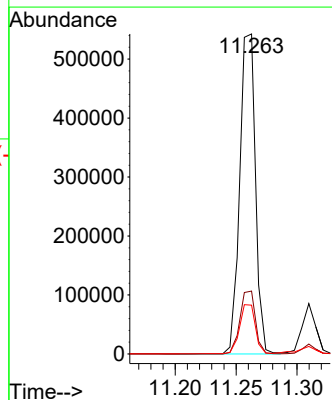
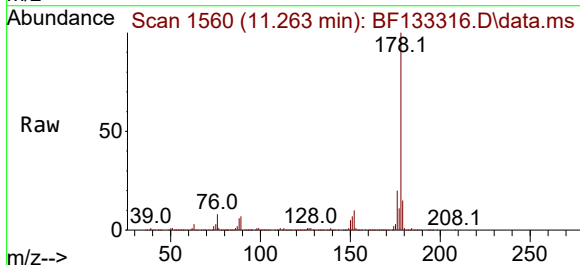
Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

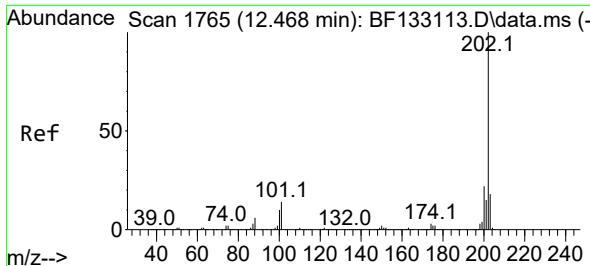
Tgt Ion:248 Resp: 22179
Ion Ratio Lower Upper
248 100
250 184.0 78.7 118.1#
141 421.1 56.3 84.5#



#71
Phenanthrene
Concen: 13.599 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

Tgt Ion:178 Resp: 488887
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.2 12.5 18.7

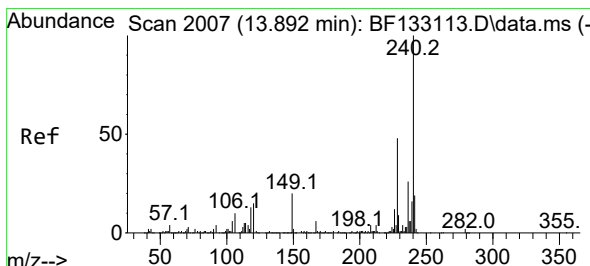
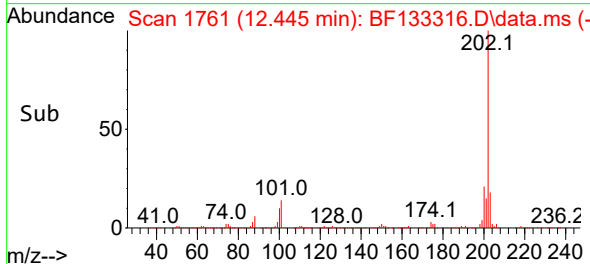
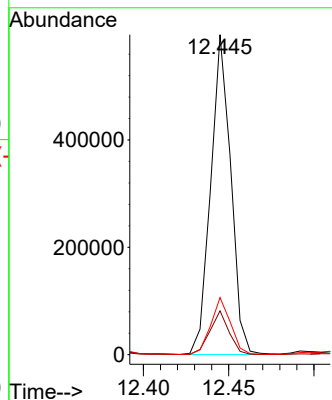
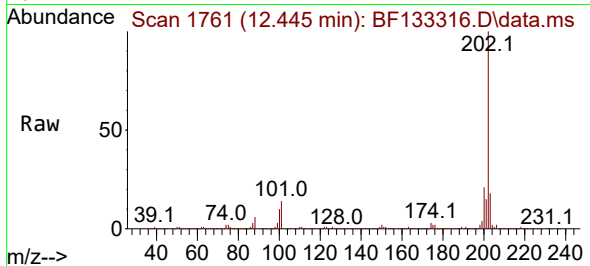




#75
Fluoranthene
Concen: 13.558 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

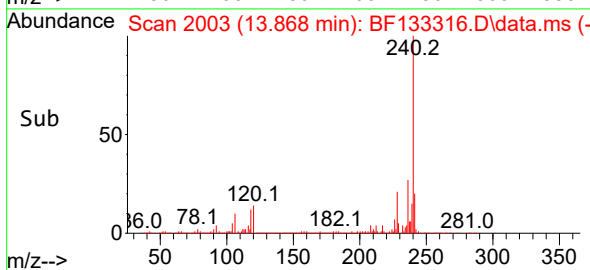
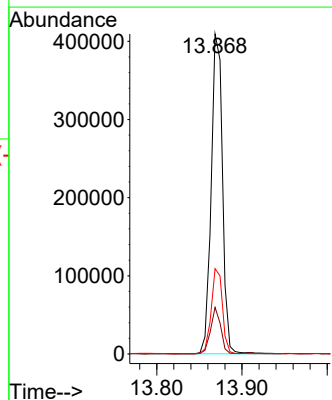
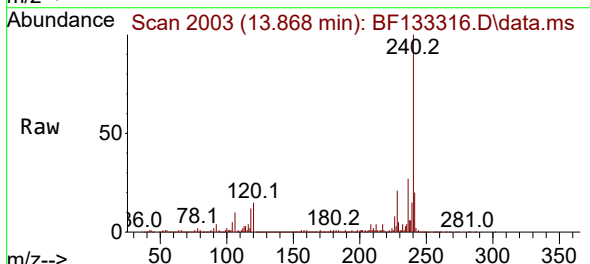
Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

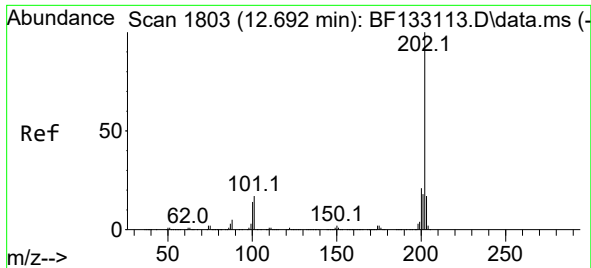
Tgt Ion:202 Resp: 489180
Ion Ratio Lower Upper
202 100
101 13.7 0.0 35.3
203 17.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

Tgt Ion:240 Resp: 376468
Ion Ratio Lower Upper
240 100
120 14.6 10.5 15.7
236 26.6 21.5 32.3





#78

Pyrene

Concen: 17.579 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF133316.D

Acq: 09 May 2023 14:32

Instrument :

BNA_F

ClientSampleId :

TR-612-COMP-02

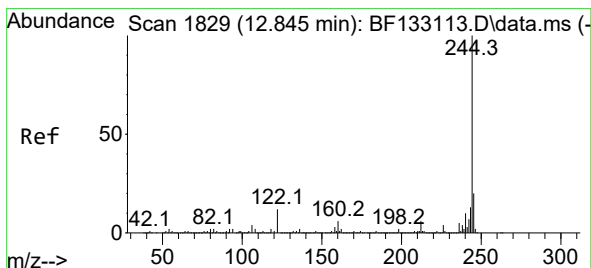
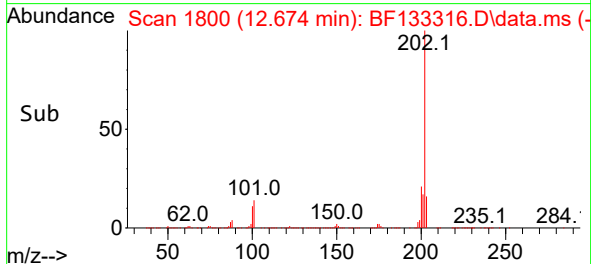
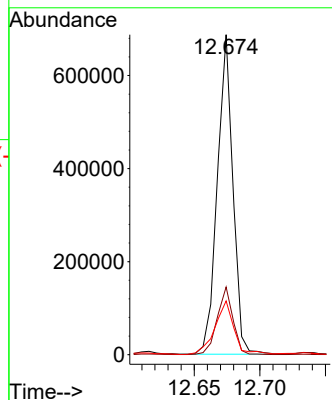
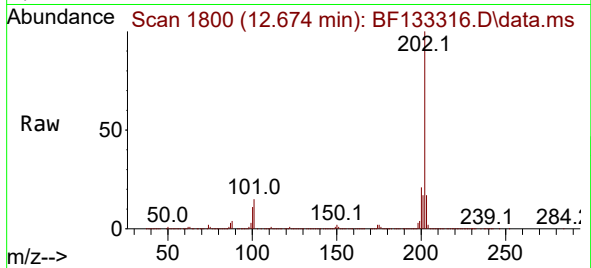
Tgt Ion:202 Resp: 567300

Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 16.8 14.1 21.1



#79

Terphenyl-d14

Concen: 74.269 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF133316.D

Acq: 09 May 2023 14:32

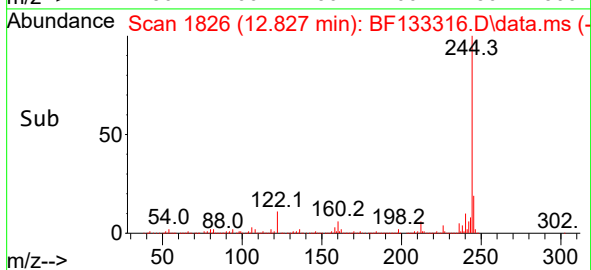
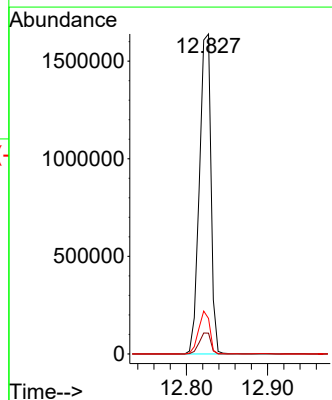
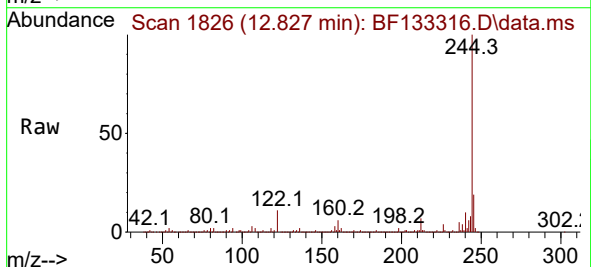
Tgt Ion:244 Resp: 1621169

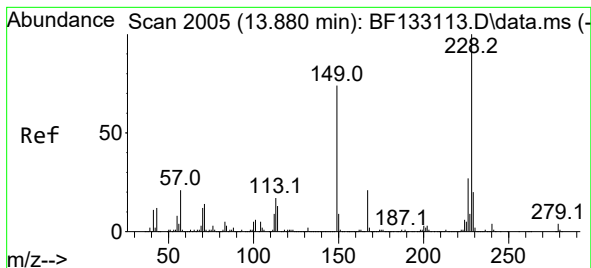
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 11.1 8.6 13.0





#81

Benzo(a)anthracene

Concen: 7.773 ng

RT: 13.862 min Scan# 2002

Delta R.T. -0.006 min

Lab File: BF133316.D

Acq: 09 May 2023 14:32

Instrument :

BNA_F

ClientSampleId :

TR-612-COMP-02

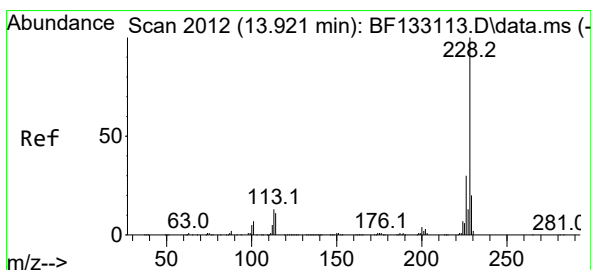
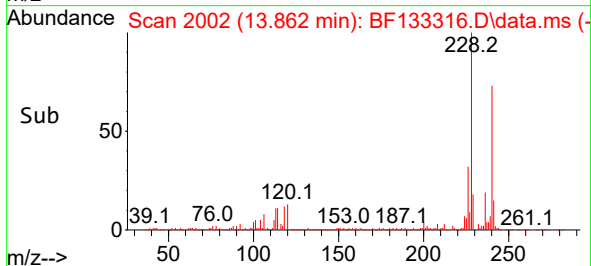
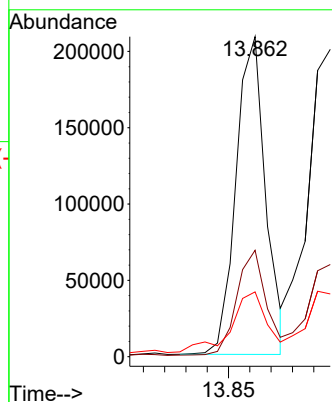
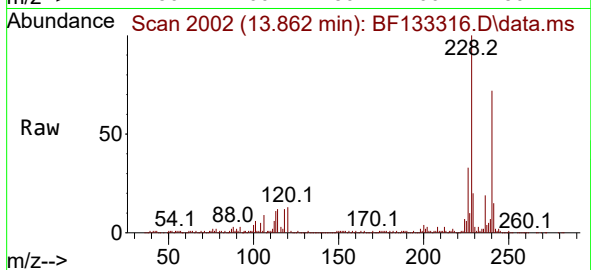
Tgt Ion:228 Resp: 201224

Ion Ratio Lower Upper

228 100

226 33.3 22.2 33.4

229 20.2 16.0 24.0



#83

Chrysene

Concen: 7.985 ng

RT: 13.898 min Scan# 2008

Delta R.T. -0.012 min

Lab File: BF133316.D

Acq: 09 May 2023 14:32

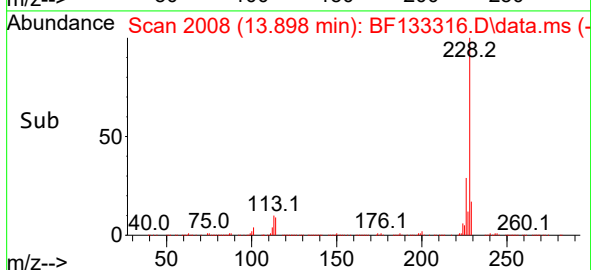
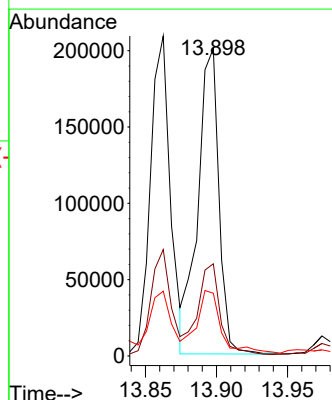
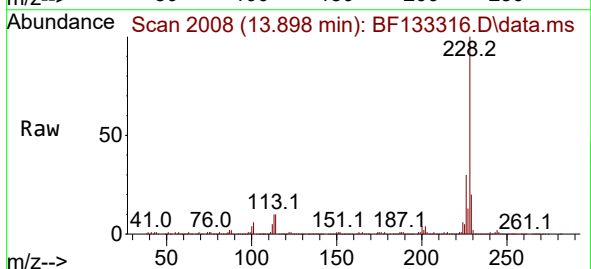
Tgt Ion:228 Resp: 206660

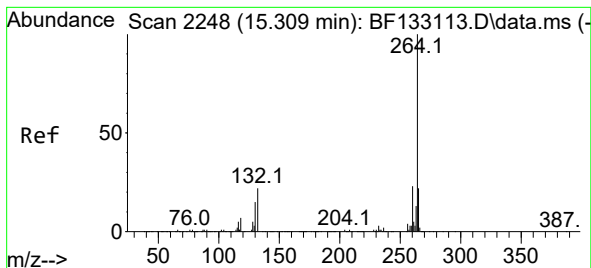
Ion Ratio Lower Upper

228 100

226 30.0 24.7 37.1

229 20.4 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133316.D

Acq: 09 May 2023 14:32

Instrument :

BNA_F

ClientSampleId :

TR-612-COMP-02

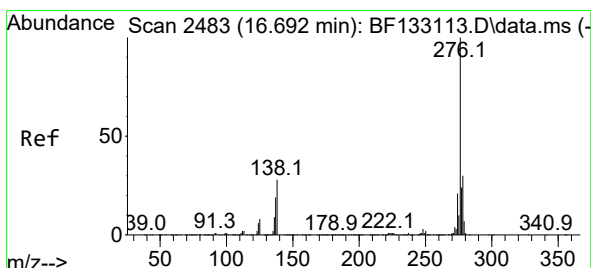
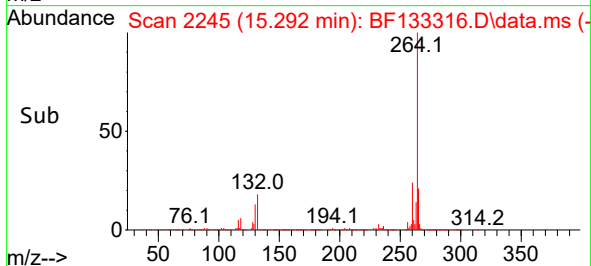
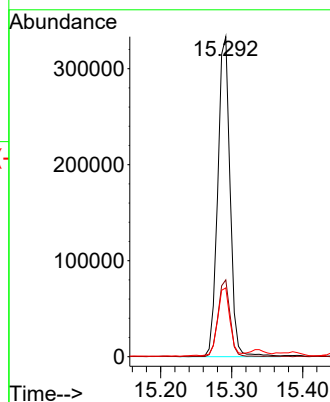
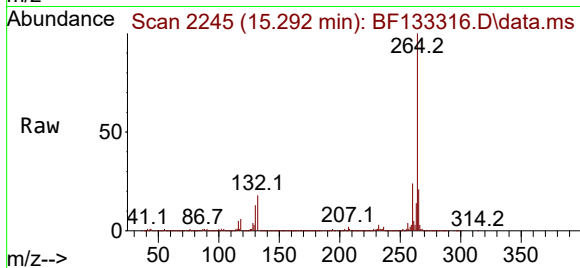
Tgt Ion:264 Resp: 399734

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 21.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.062 ng

RT: 16.656 min Scan# 2477

Delta R.T. -0.018 min

Lab File: BF133316.D

Acq: 09 May 2023 14:32

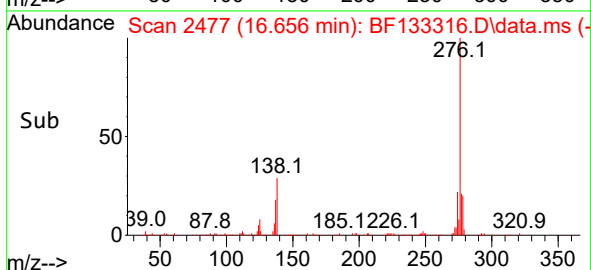
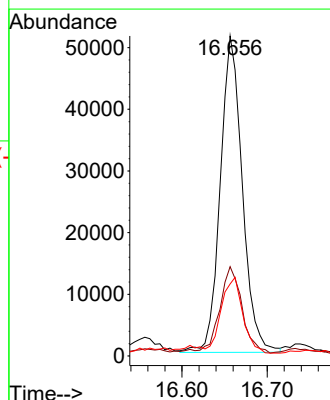
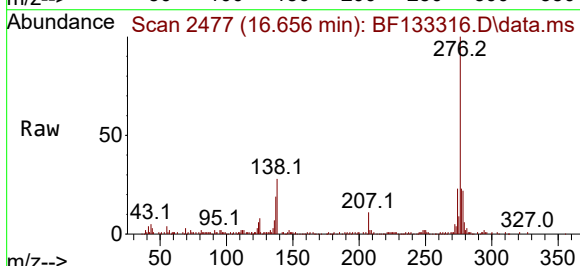
Tgt Ion:276 Resp: 92364

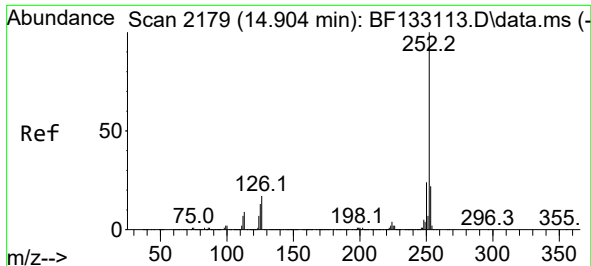
Ion Ratio Lower Upper

276 100

138 28.7 25.5 38.3

277 23.3 20.4 30.6

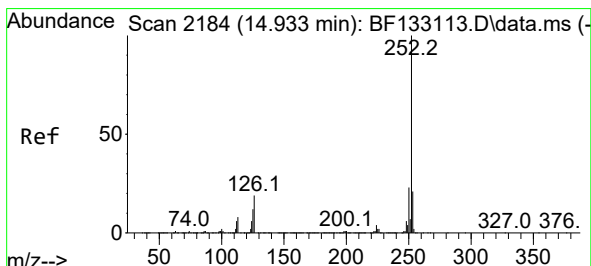
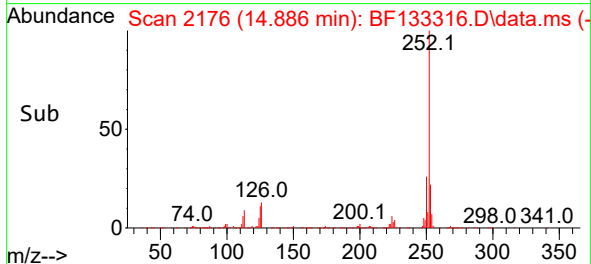
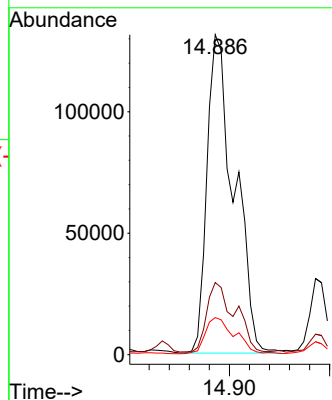
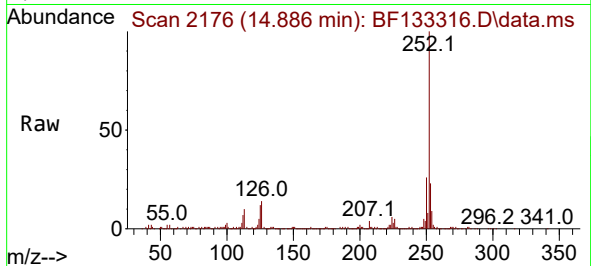




#88
Benzo(b)fluoranthene
Concen: 9.743 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

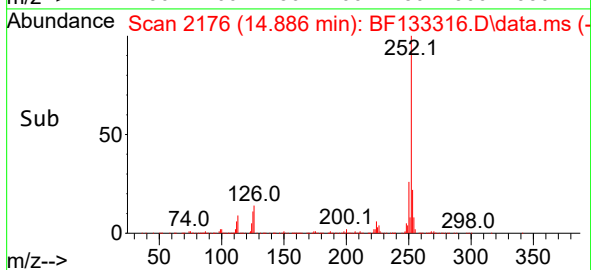
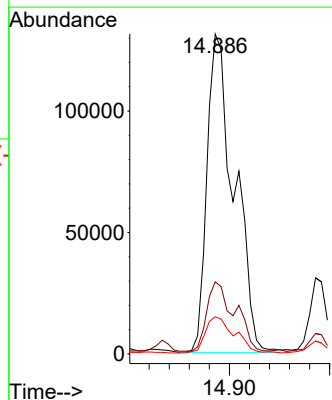
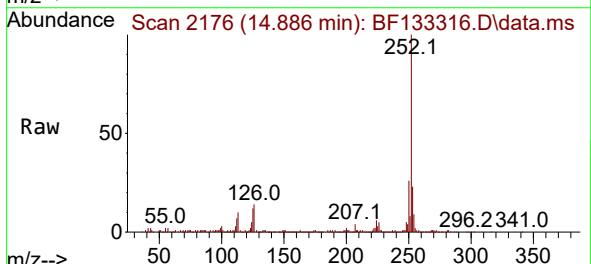
Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

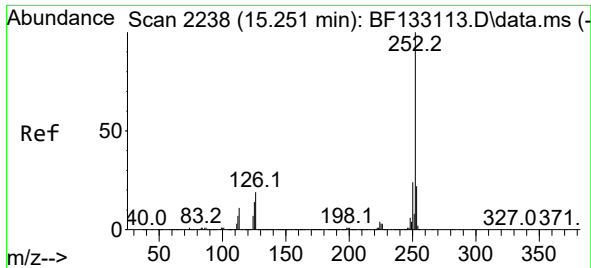
Tgt Ion:252 Resp: 247781
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 11.6 8.9 13.3



#89
Benzo(k)fluoranthene
Concen: 9.829 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.035 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

Tgt Ion:252 Resp: 247781
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 11.6 9.0 13.4

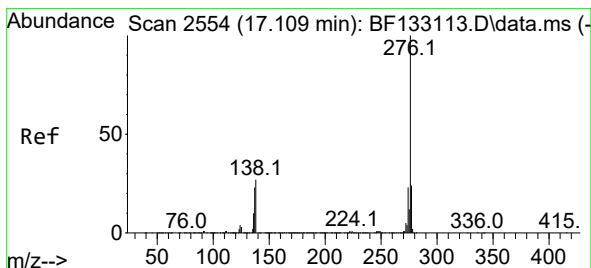
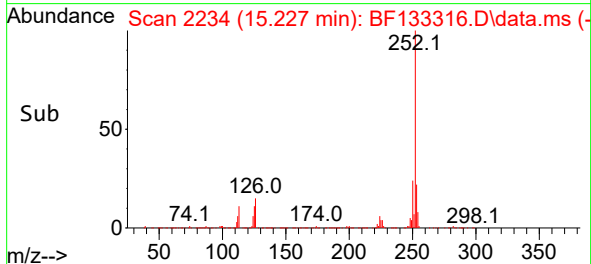
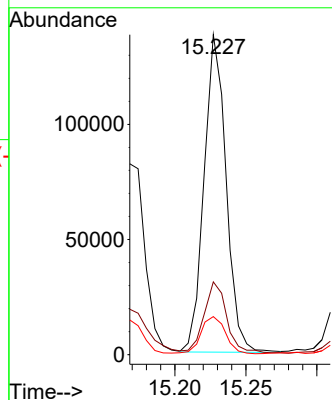
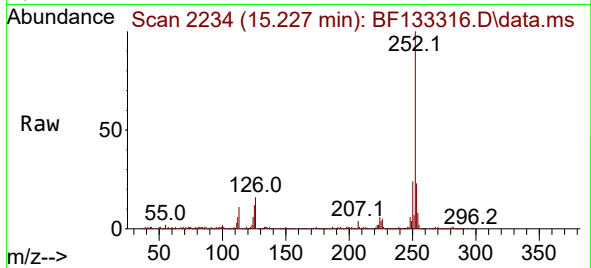




#90
Benzo(a)pyrene
Concen: 6.439 ng
RT: 15.227 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02

Tgt Ion:252 Resp: 149053
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 11.9 10.5 15.7



#92
Benzo(g,h,i)perylene
Concen: 4.897 ng
RT: 17.068 min Scan# 2547
Delta R.T. -0.018 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

Tgt Ion:276 Resp: 91690
Ion Ratio Lower Upper
276 100
277 22.4 19.4 29.0
138 27.9 22.7 34.1

