

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010523\
 Data File : BF131931.D
 Acq On : 05 Jan 2023 23:47
 Operator : CG\JU
 Sample : N6243-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-9

Quant Time: Jan 06 03:15:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 03:02:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	60539	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	210552	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	111357	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	170135	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	116951	20.000	ng	0.00
86) Perylene-d12	15.504	264	107737	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	368616	100.907	ng	0.00
7) Phenol-d6	6.440	99	476967	99.380	ng	0.00
23) Nitrobenzene-d5	7.375	82	352757	66.891	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	101397	83.806	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	572486	70.418	ng	0.00
79) Terphenyl-d14	12.945	244	439542	63.573	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.375	70	48591	14.335	ng	# 80
25) Isophorone	7.375	82	352753	40.960	ng	# 69
51) 2,6-Dinitrotoluene	9.851	165	14772	8.100	ng	# 18
63) Azobenzene	10.575	77	54756	6.085	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	6950	3.525	ng	# 1
71) Phenanthrene	11.369	178	33739	3.606	ng	98
72) Anthracene	11.422	178	18956	2.071	ng	98
75) Fluoranthene	12.574	202	535881	49.174	ng	99
78) Pyrene	12.804	202	520097	53.058	ng	100
81) Benzo(a)anthracene	13.998	228	262612	31.014	ng	99
83) Chrysene	14.039	228	229236	28.810	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	101744	14.865	ng	97
88) Benzo(b)fluoranthene	15.068	252	414037	52.412	ng	# 96
89) Benzo(k)fluoranthene	15.068	252	414037	54.245	ng	# 96
90) Benzo(a)pyrene	15.445	252	223768	36.587	ng	# 90
91) Dibenzo(a,h)anthracene	16.998	278	26001	4.638	ng	# 83
92) Benzo(g,h,i)perylene	17.445	276	99221	18.574	ng	96

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

BNA F

BNA F

ClientSampleId :

PE-9

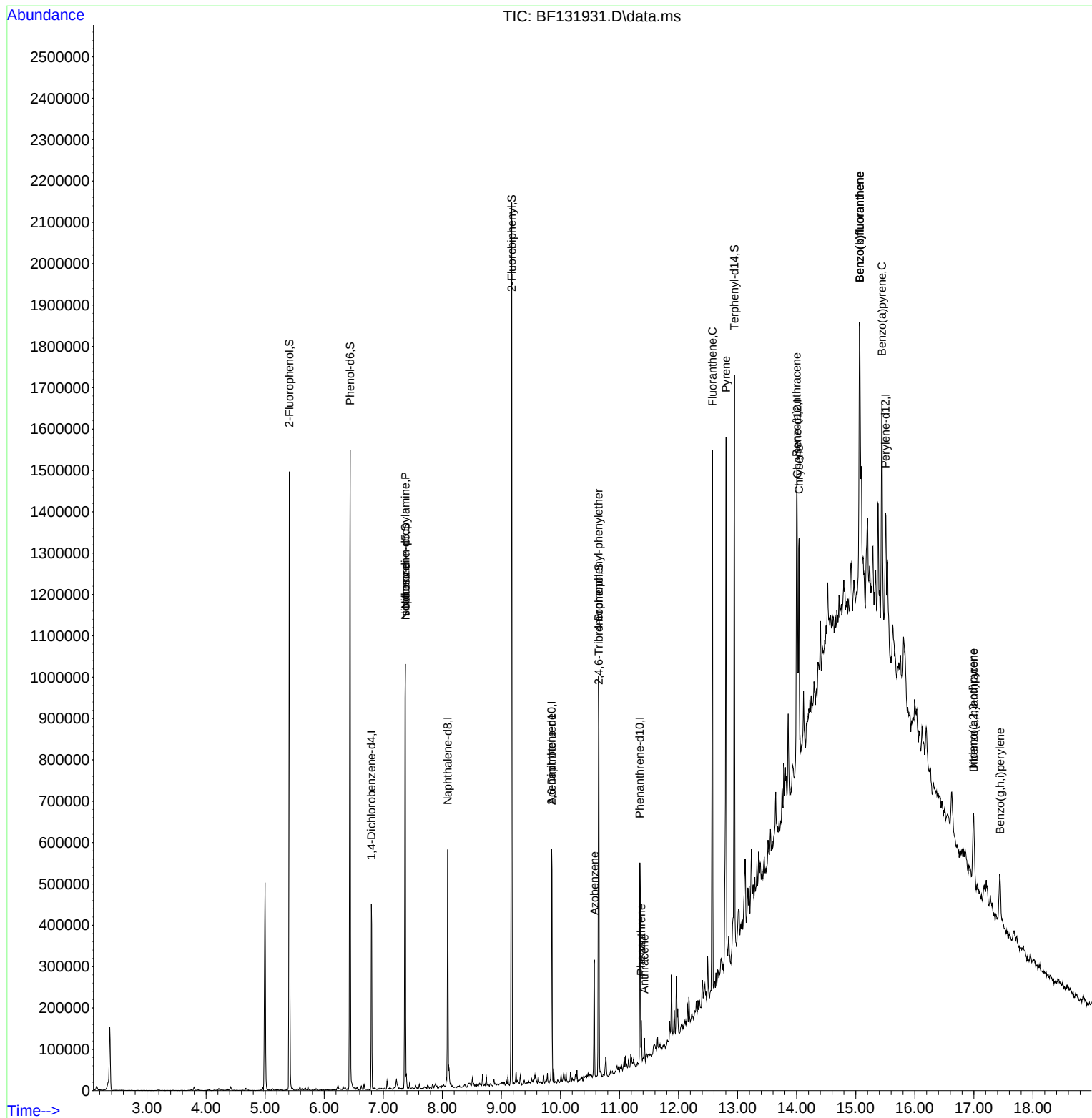
Quant Time: Jan 06 03:15:54 2023

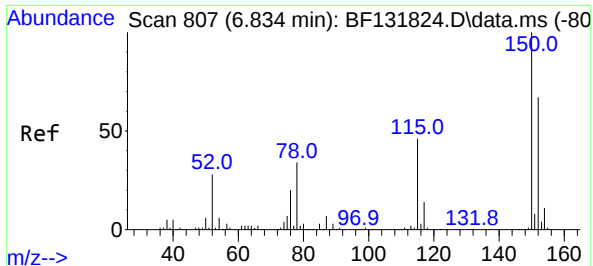
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jan 06 03:02:38 2023

Response via : Initial Calibration

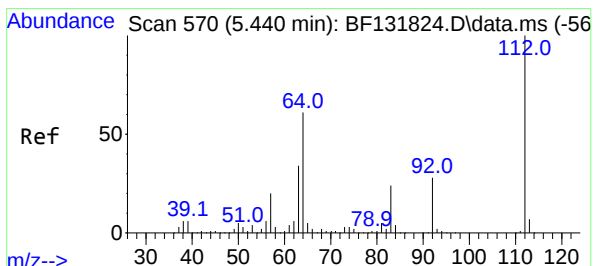
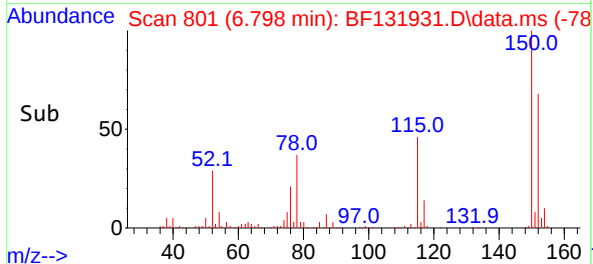
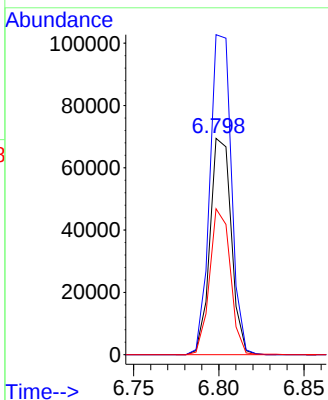
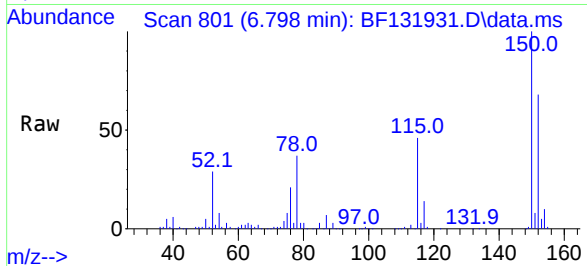




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF131931.D
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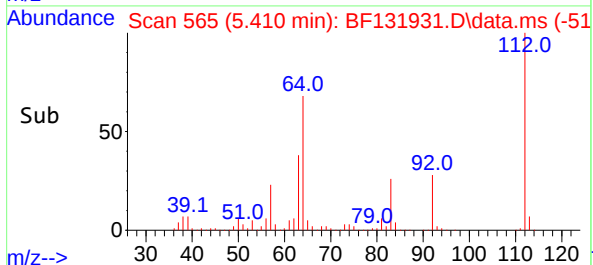
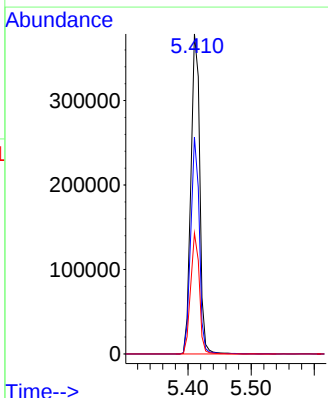
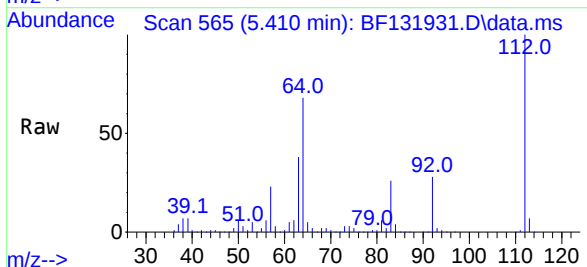
Instrument :
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ClientSampleId :
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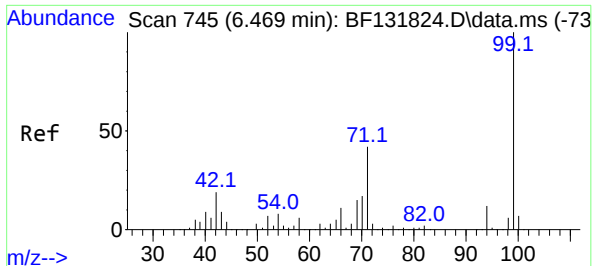
Tgt Ion:152 Resp: 60539
Ion Ratio Lower Upper
152 100
150 147.9 120.0 180.0
115 67.4 55.1 82.7



#5
2-Fluorophenol
Concen: 100.907 ng
RT: 5.410 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Tgt Ion:112 Resp: 368616
Ion Ratio Lower Upper
112 100
64 67.7 49.2 73.8
63 37.8 27.5 41.3

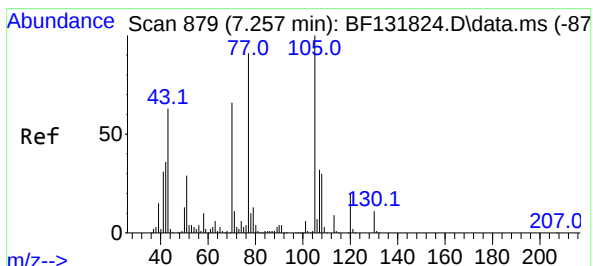
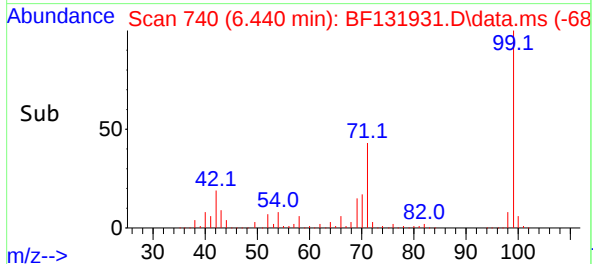
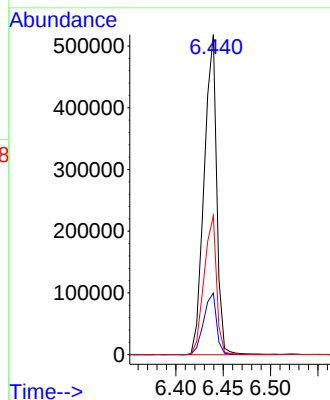
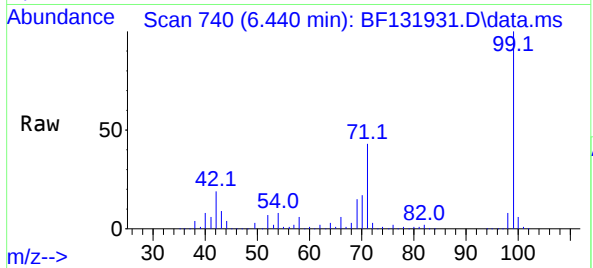




#7
Phenol-d6
Concen: 99.380 ng
RT: 6.440 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

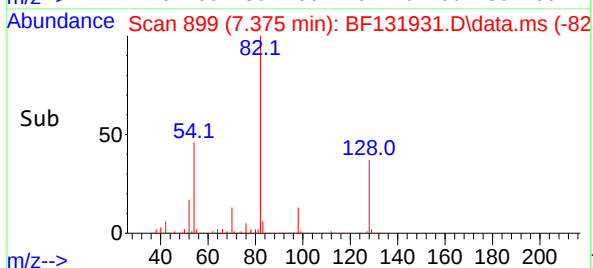
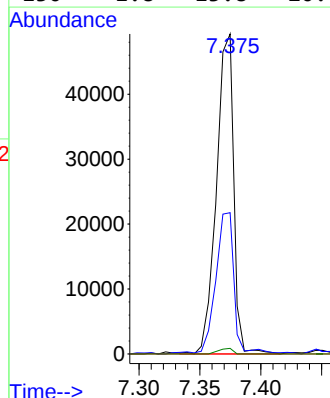
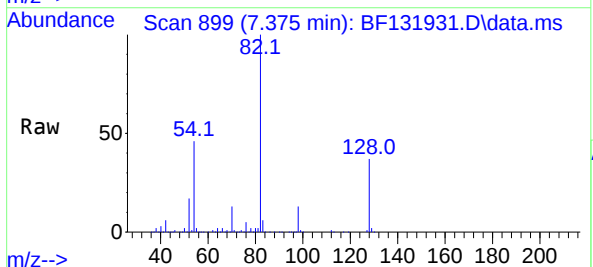
Instrument :
BNA_F
ClientSampleId :
PE-9

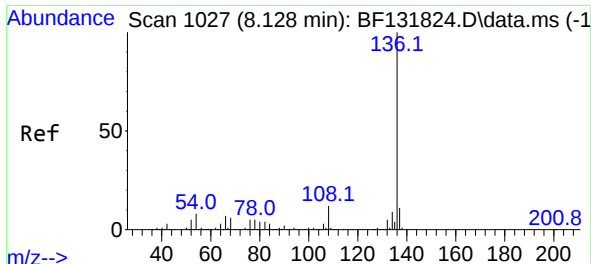
Tgt Ion: 99 Resp: 476967
Ion Ratio Lower Upper
99 100
42 19.2 15.3 22.9
71 43.4 33.5 50.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.335 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Tgt Ion: 70 Resp: 48591
Ion Ratio Lower Upper
70 100
42 44.2 43.8 65.6
101 0.0 7.4 11.0#
130 1.8 13.8 20.6#



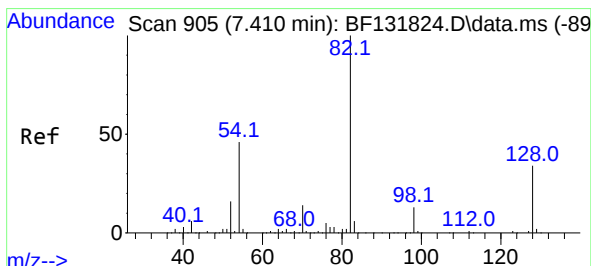
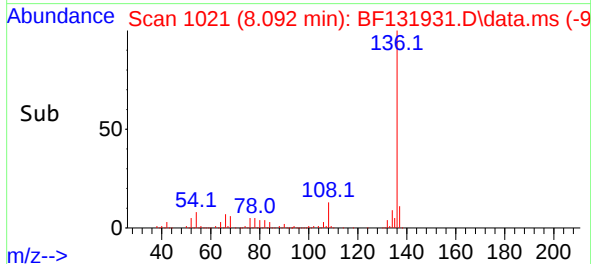
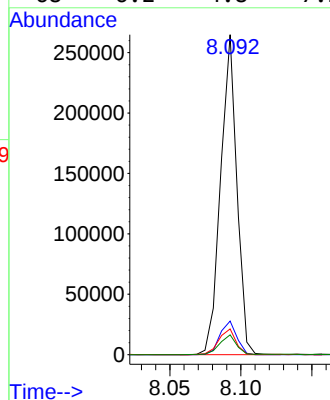
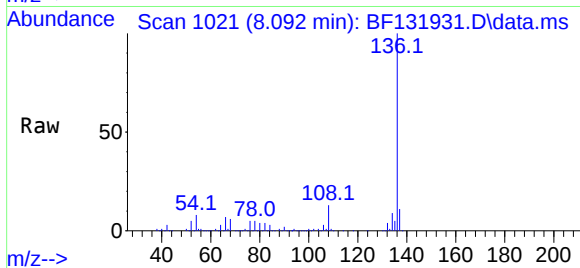


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Instrument :
BNA_F
ClientSampleId :
PE-9

Tgt Ion:136 Resp: 210552

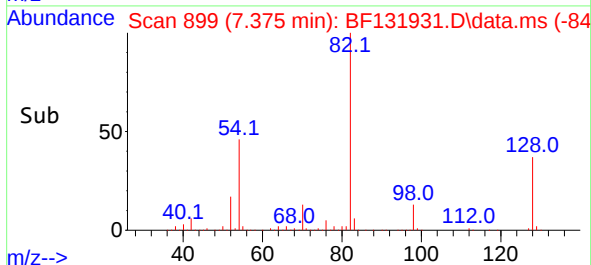
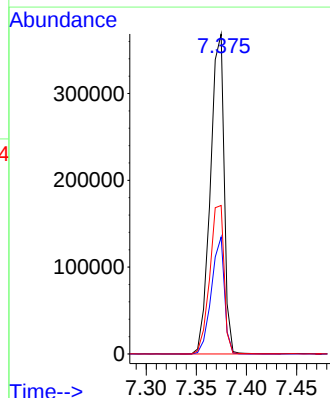
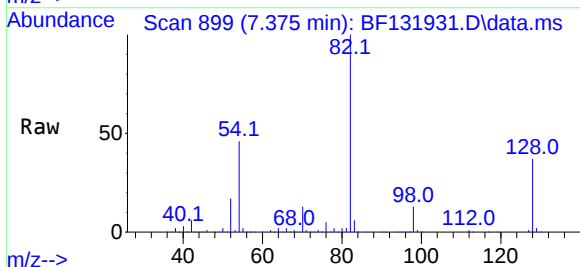
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	8.0	6.7	10.1
68	6.2	4.8	7.2

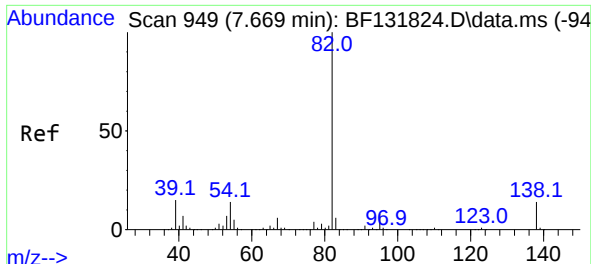


#23
Nitrobenzene-d5
Concen: 66.891 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Tgt Ion: 82 Resp: 352757

Ion	Ratio	Lower	Upper
82	100		
128	36.5	27.1	40.7
54	46.4	37.0	55.6

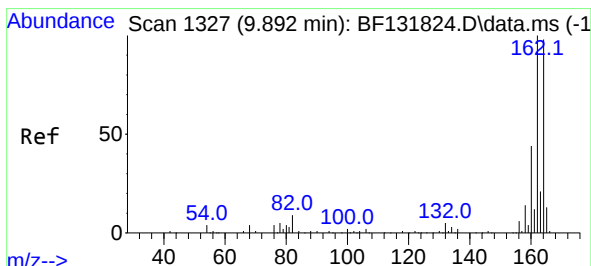
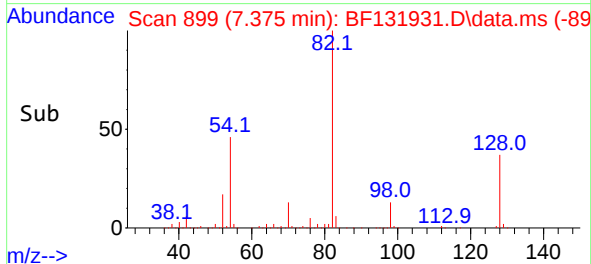
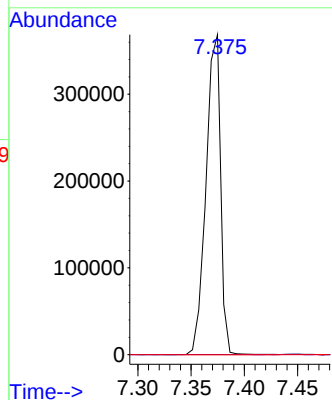
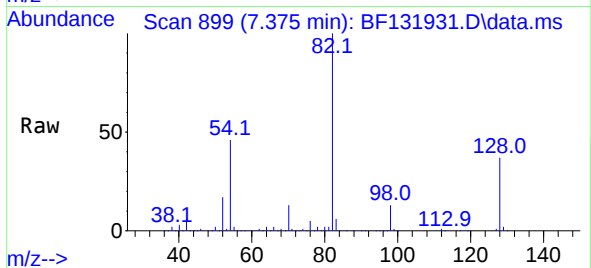




#25
Isophorone
Concen: 40.960 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.259 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

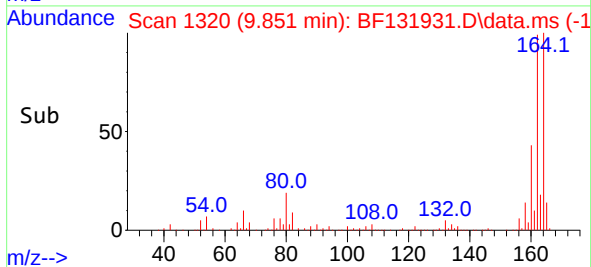
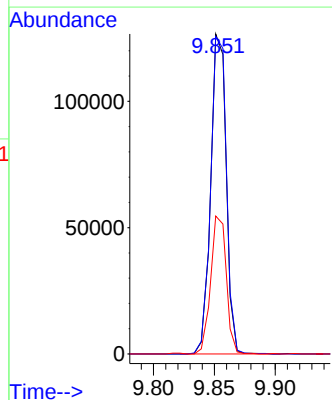
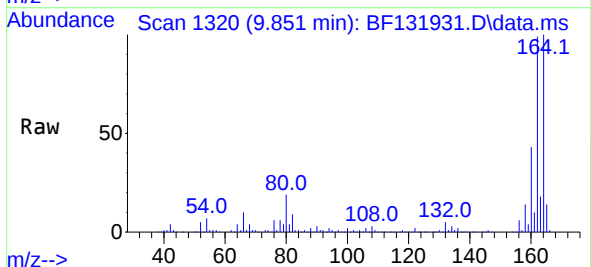
Instrument :
BNA_F
ClientSampleId :
PE-9

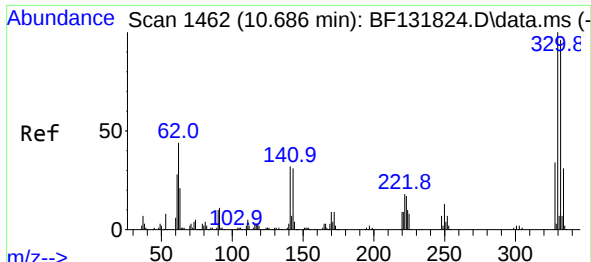
Tgt Ion: 82 Resp: 352753
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.4#
138 0.0 11.5 17.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

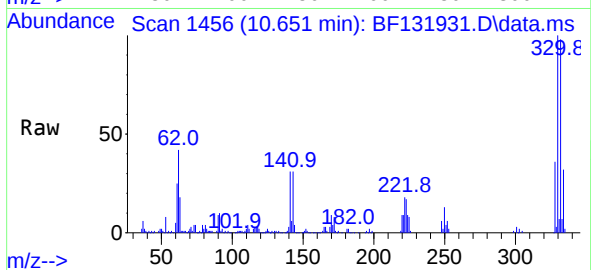
Tgt Ion:164 Resp: 111357
Ion Ratio Lower Upper
164 100
162 99.2 81.8 122.6
160 43.1 35.7 53.5



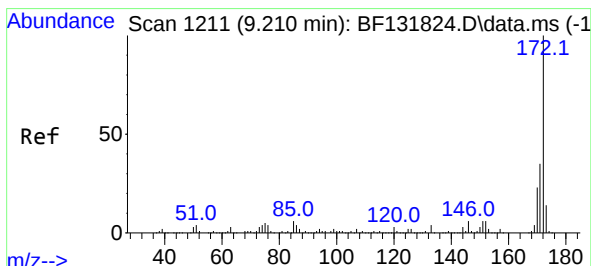
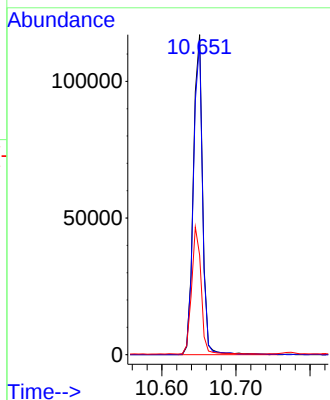
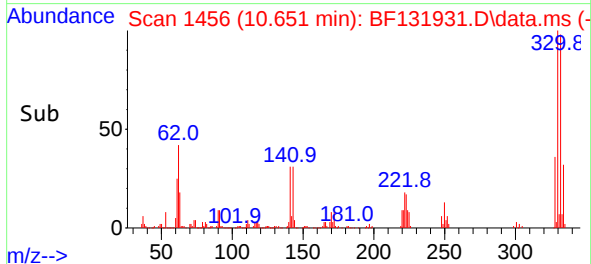


#42
2,4,6-Tribromophenol
Concen: 83.806 ng
RT: 10.651 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

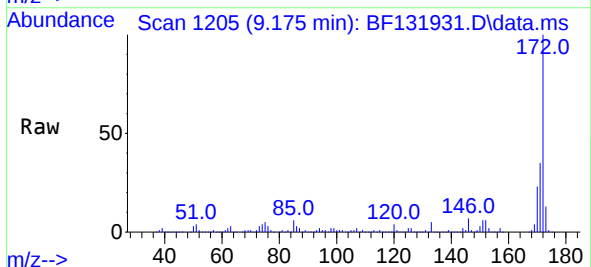
Instrument :
BNA_F
ClientSampleId :
PE-9



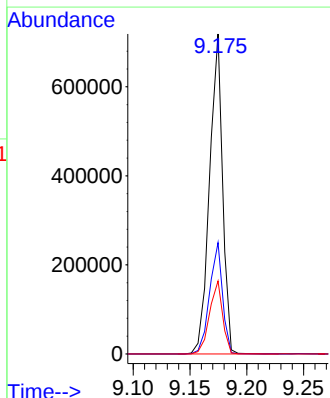
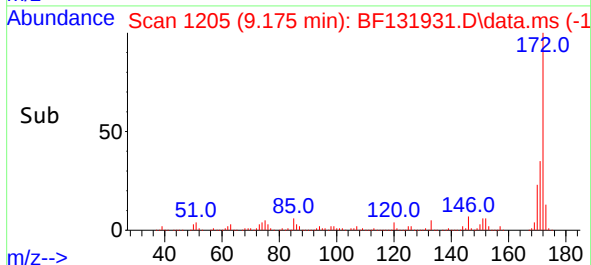
Tgt Ion:330 Resp: 101397
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 40.6 31.0 46.4

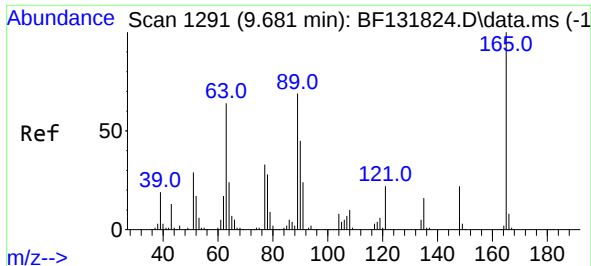


#45
2-Fluorobiphenyl
Concen: 70.418 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47



Tgt Ion:172 Resp: 572486
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 22.8 18.7 28.1

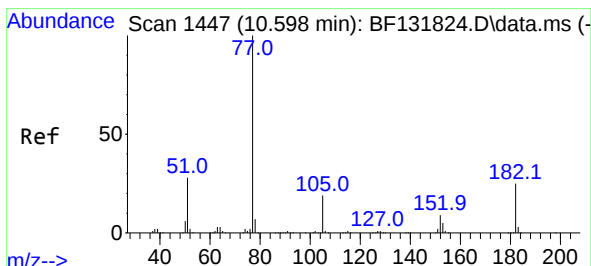
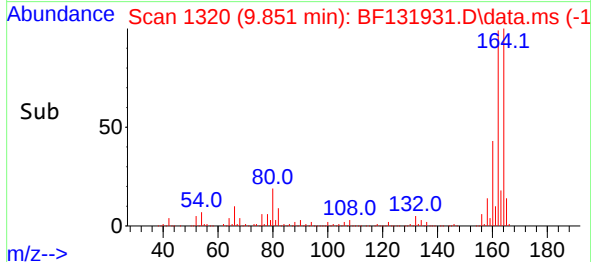
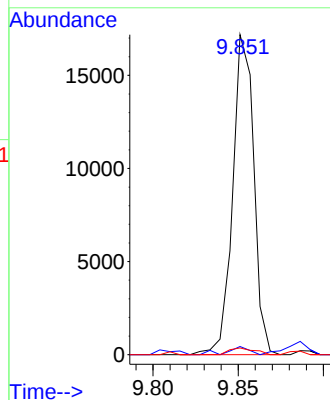
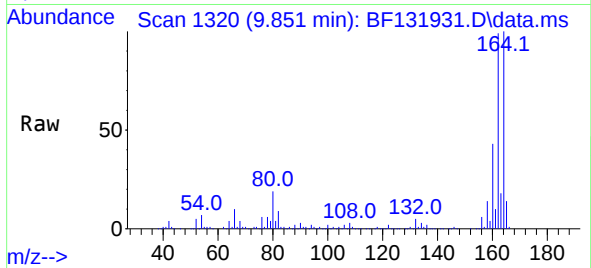




#51
2,6-Dinitrotoluene
Concen: 8.100 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

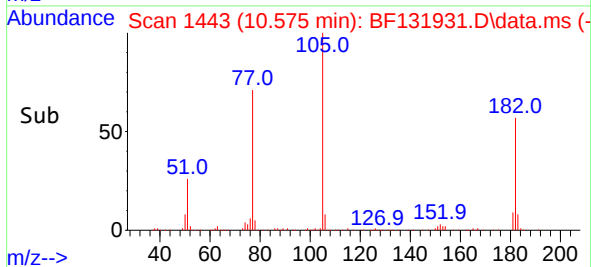
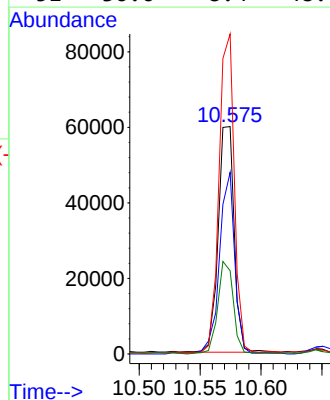
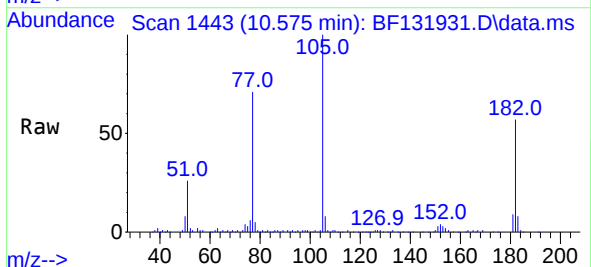
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ClientSampleId :
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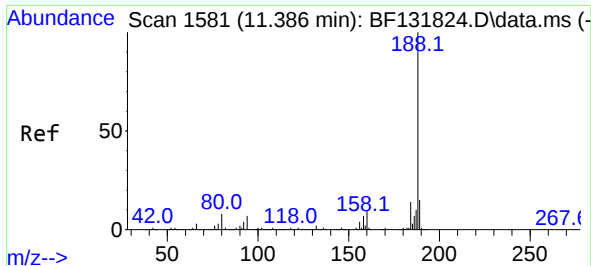
Tgt Ion:165 Resp: 14772
Ion Ratio Lower Upper
165 100
63 2.5 55.1 82.7#
89 2.1 55.0 82.4#



#63
Azobenzene
Concen: 6.085 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.012 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Tgt Ion: 77 Resp: 54756
Ion Ratio Lower Upper
77 100
182 79.8 5.0 45.0#
105 140.7 0.0 39.4#
51 36.6 8.4 48.4

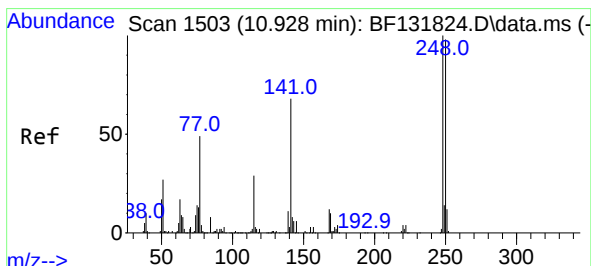
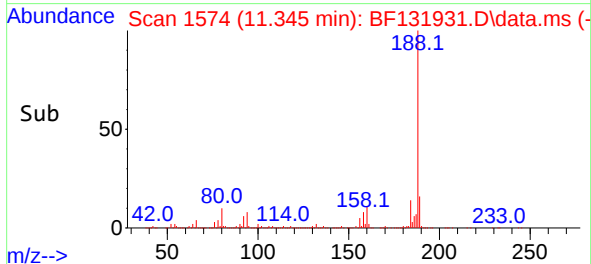
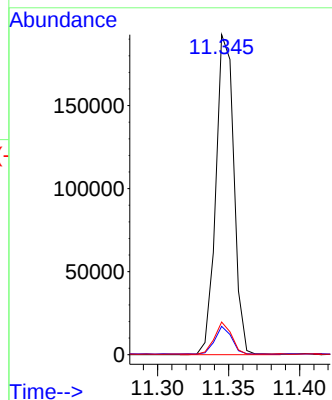
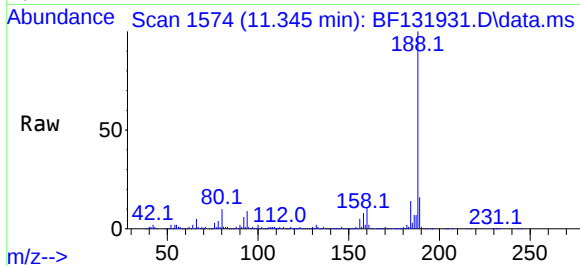




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

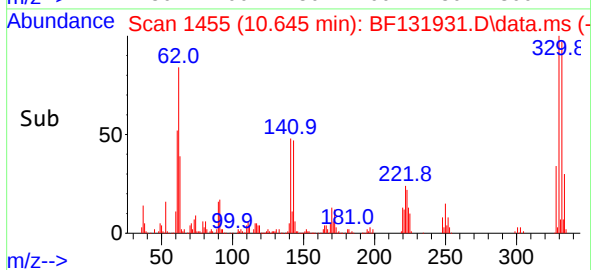
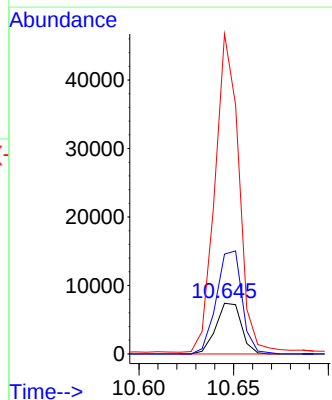
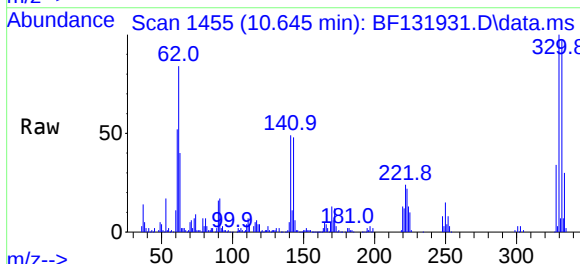
Instrument :
BNA_F
ClientSampleId :
PE-9

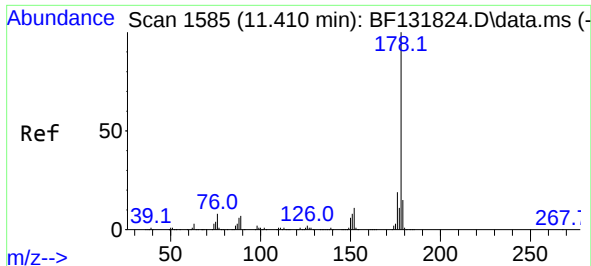
Tgt Ion:188 Resp: 170135
Ion Ratio Lower Upper
188 100
94 8.9 5.8 8.6#
80 10.2 6.7 10.1#



#67
4-Bromophenyl-phenylether
Concen: 3.525 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.247 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Tgt Ion:248 Resp: 6950
Ion Ratio Lower Upper
248 100
250 196.5 78.0 117.0#
141 629.9 54.8 82.2#

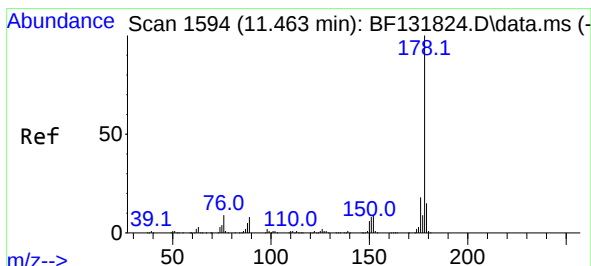
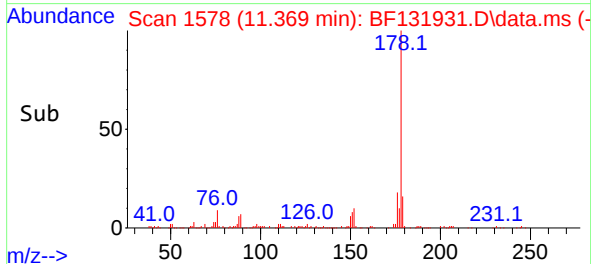
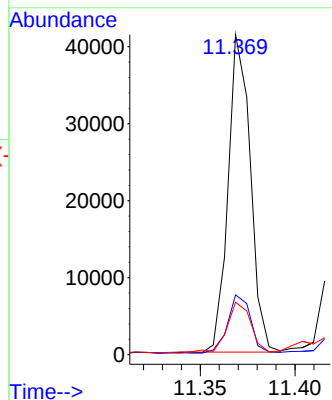
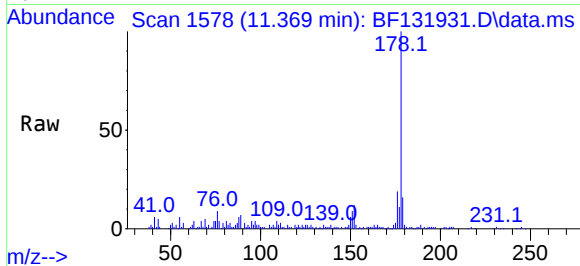




#71
Phenanthrene
Concen: 3.606 ng
RT: 11.369 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

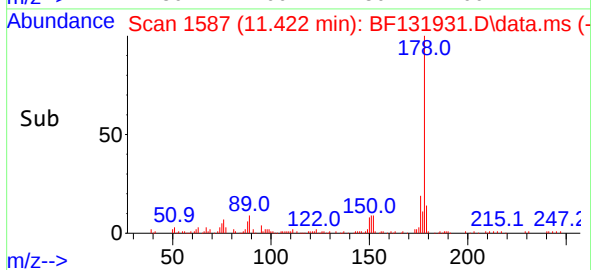
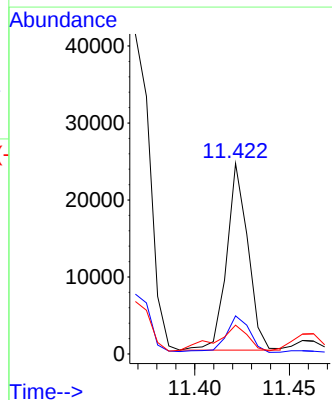
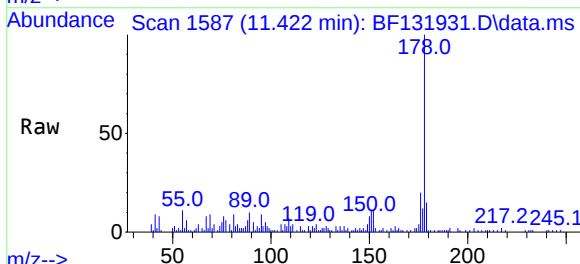
Instrument :
BNA_F
ClientSampleId :
PE-9

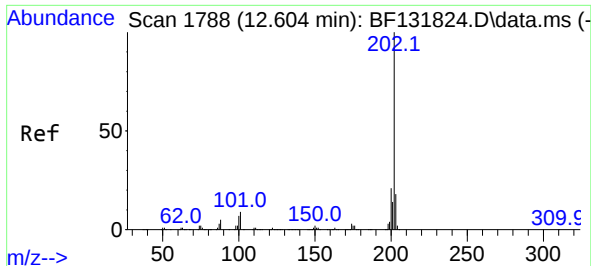
Tgt Ion:178 Resp: 33739
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 16.4 12.2 18.4



#72
Anthracene
Concen: 2.071 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

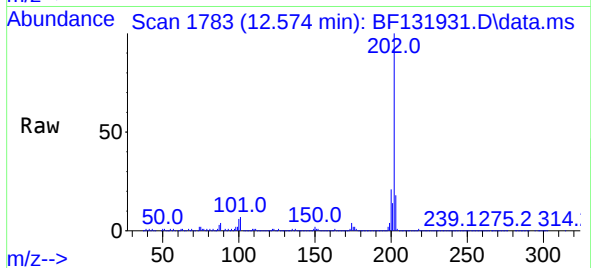
Tgt Ion:178 Resp: 18956
Ion Ratio Lower Upper
178 100
176 19.9 14.8 22.2
179 15.1 12.2 18.2



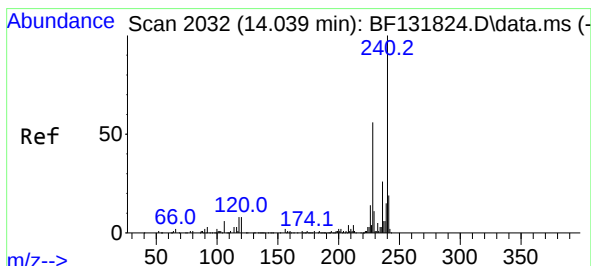
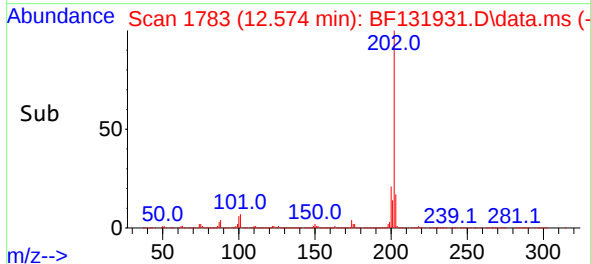
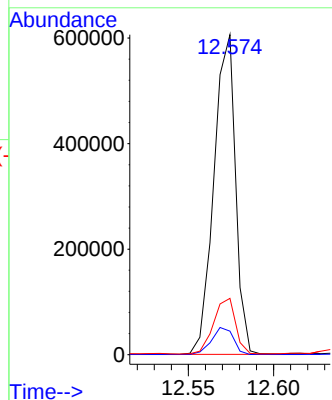


#75
Fluoranthene
Concen: 49.174 ng
RT: 12.574 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Instrument :
BNA_F
ClientSampleId :
PE-9

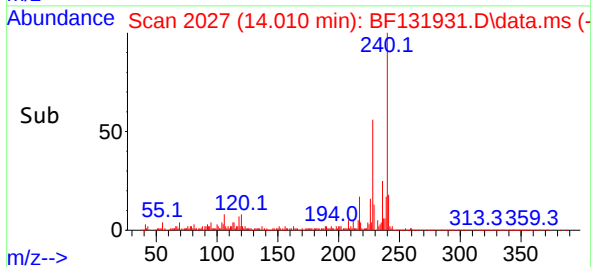
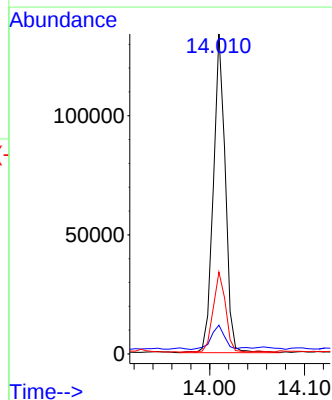
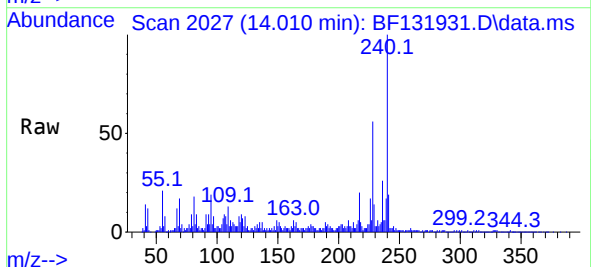


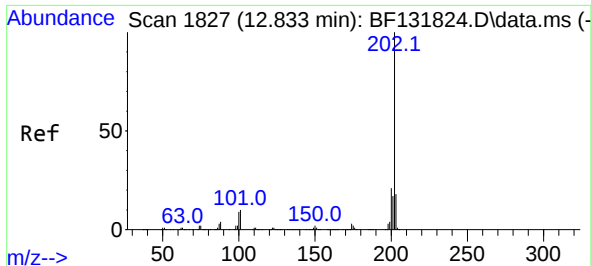
Tgt Ion:202 Resp: 535881
Ion Ratio Lower Upper
202 100
101 7.4 0.0 28.6
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Tgt Ion:240 Resp: 116951
Ion Ratio Lower Upper
240 100
120 9.0 6.7 10.1
236 25.6 20.6 31.0

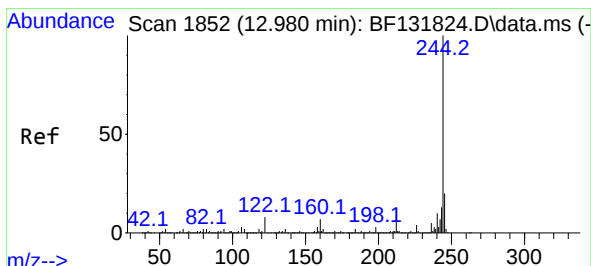
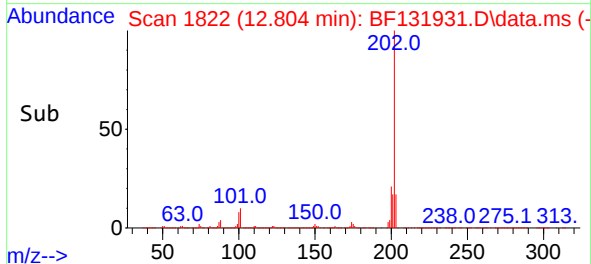
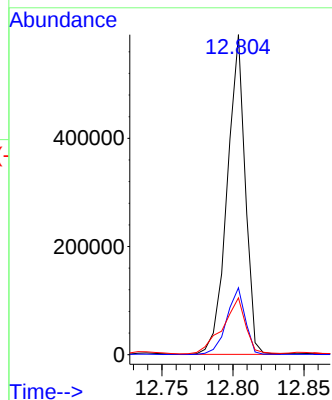
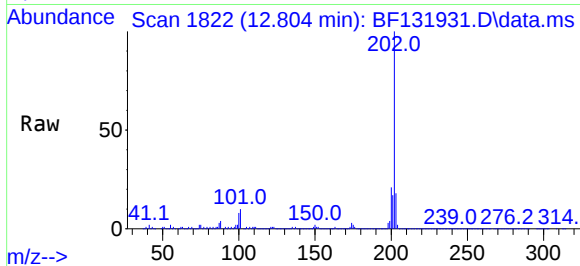




#78
Pyrene
Concen: 53.058 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

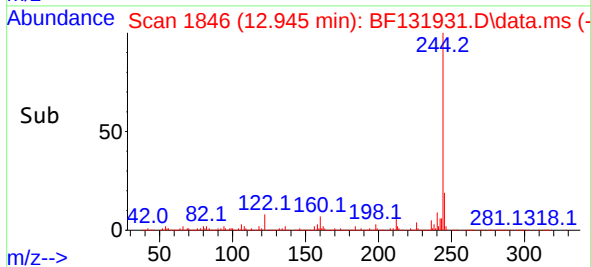
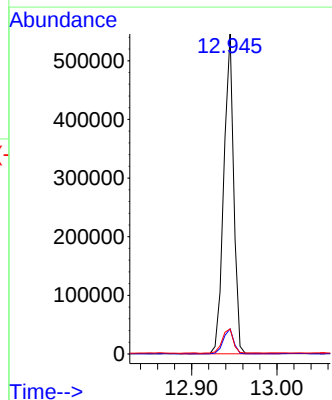
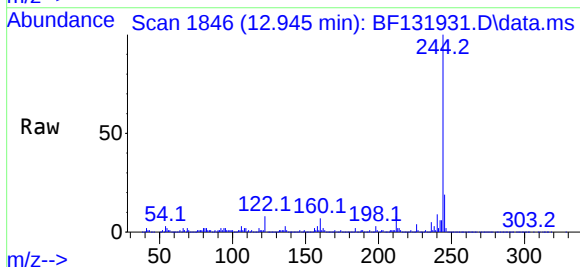
Instrument :
BNA_F
ClientSampleId :
PE-9

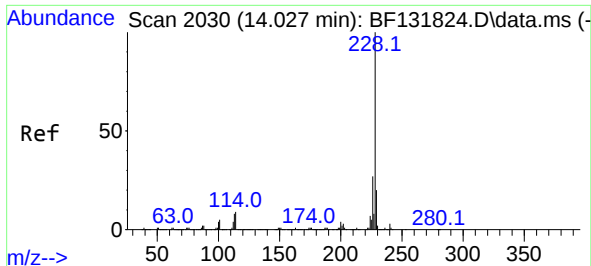
Tgt Ion:202 Resp: 520097
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.8 14.4 21.6



#79
Terphenyl-d14
Concen: 63.573 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.000 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Tgt Ion:244 Resp: 439542
Ion Ratio Lower Upper
244 100
212 7.8 6.3 9.5
122 7.8 6.4 9.6

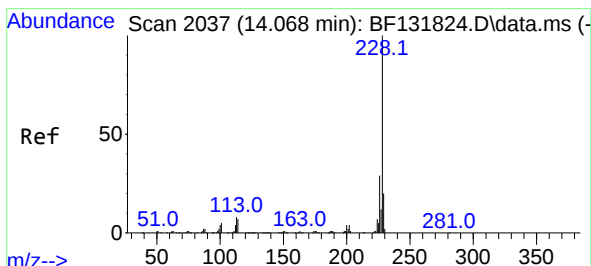
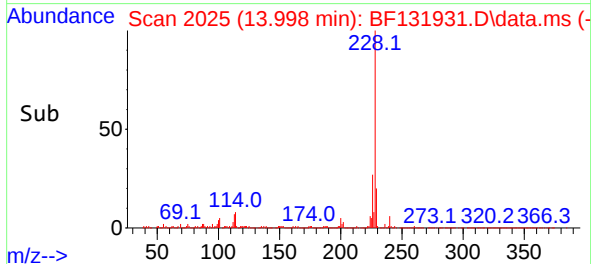
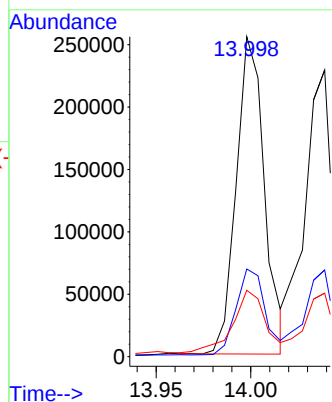
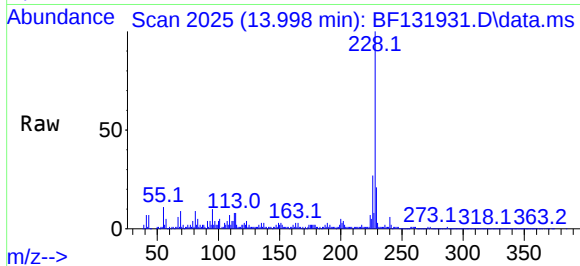




#81
Benzo(a)anthracene
Concen: 31.014 ng
RT: 13.998 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

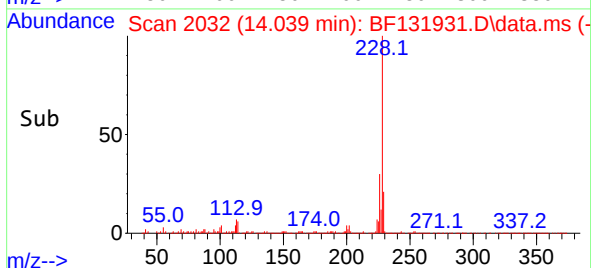
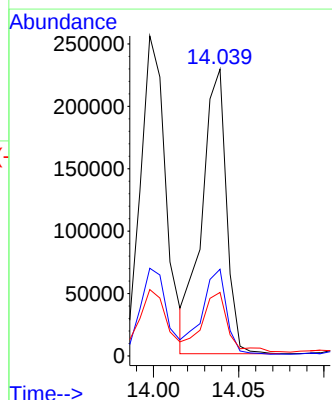
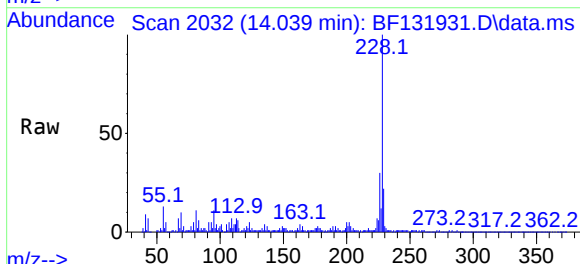
Instrument :
BNA_F
ClientSampleId :
PE-9

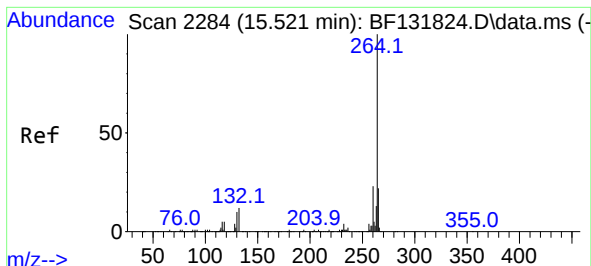
Tgt Ion:228 Resp: 262612
Ion Ratio Lower Upper
228 100
226 27.4 22.0 33.0
229 20.7 16.0 24.0



#83
Chrysene
Concen: 28.810 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Tgt Ion:228 Resp: 229236
Ion Ratio Lower Upper
228 100
226 30.3 23.5 35.3
229 22.2 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF131931.D

Acq: 05 Jan 2023 23:47

Instrument :

BNA_F

ClientSampleId :

PE-9

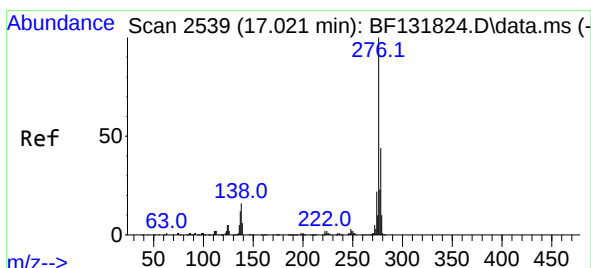
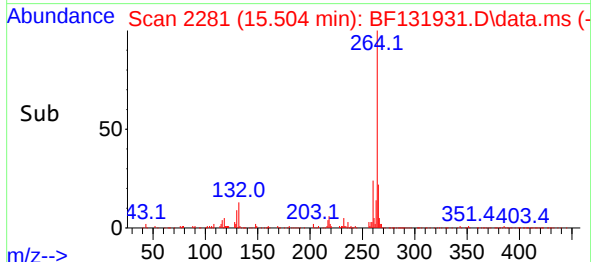
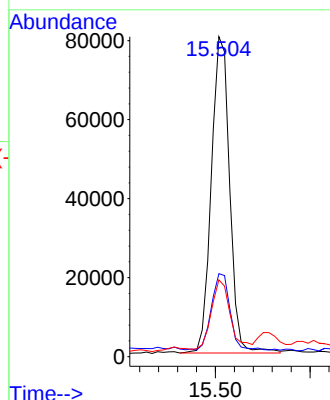
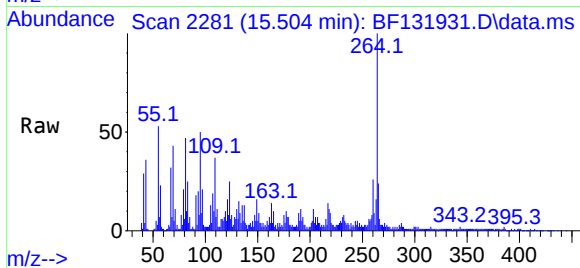
Tgt Ion:264 Resp: 107737

Ion Ratio Lower Upper

264 100

260 26.0 18.6 28.0

265 24.0 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.865 ng

RT: 16.992 min Scan# 2534

Delta R.T. 0.035 min

Lab File: BF131931.D

Acq: 05 Jan 2023 23:47

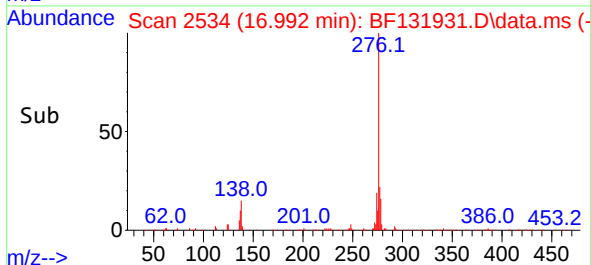
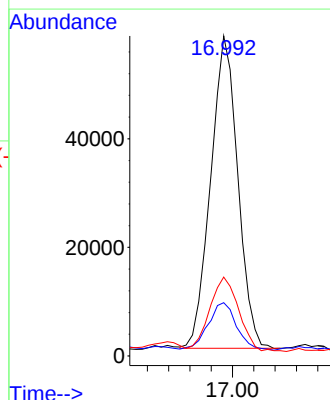
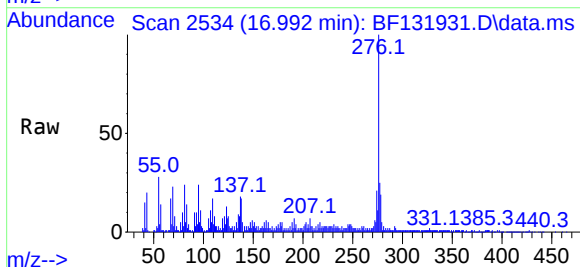
Tgt Ion:276 Resp: 101744

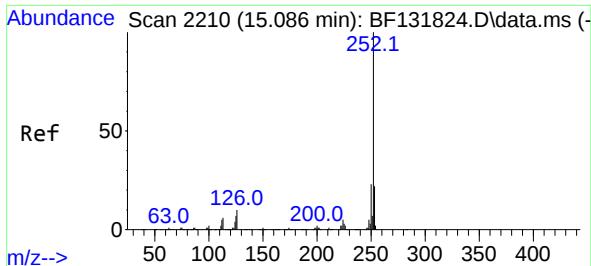
Ion Ratio Lower Upper

276 100

138 16.0 14.5 21.7

277 25.7 19.7 29.5

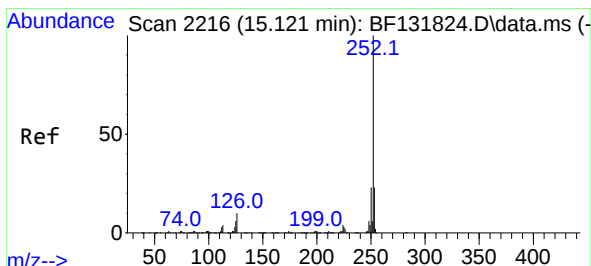
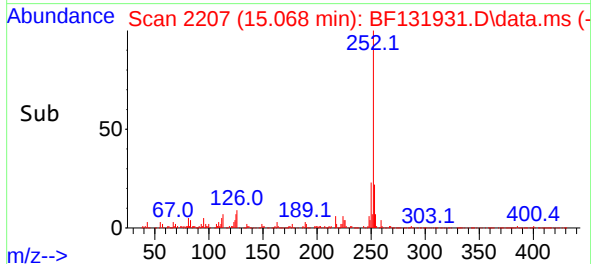
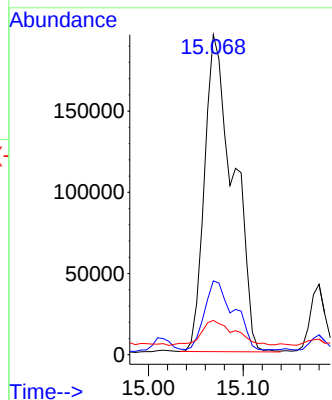
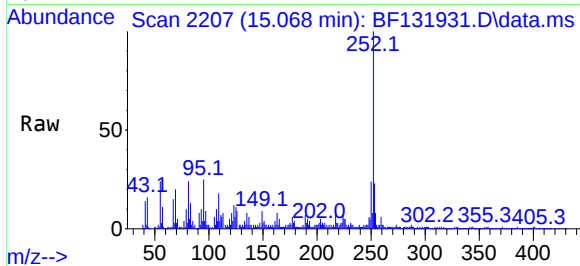




#88
Benzo(b)fluoranthene
Concen: 52.412 ng
RT: 15.068 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

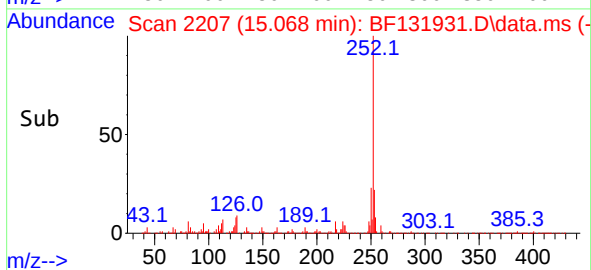
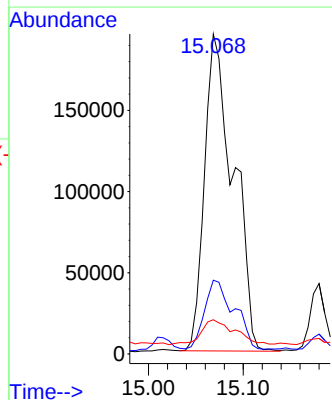
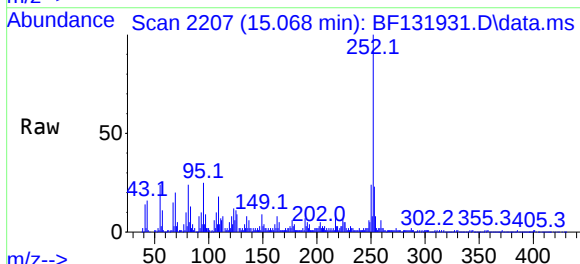
Instrument :
BNA_F
ClientSampleId :
PE-9

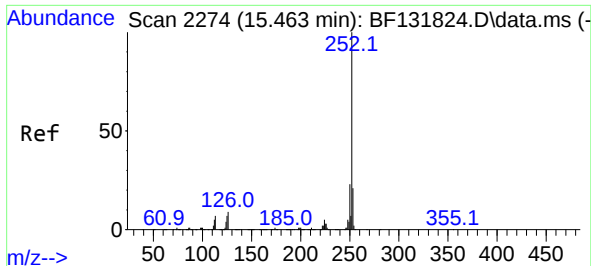
Tgt Ion:252 Resp: 414037
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 10.7 5.8 8.8#



#89
Benzo(k)fluoranthene
Concen: 54.245 ng
RT: 15.068 min Scan# 2207
Delta R.T. -0.012 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Tgt Ion:252 Resp: 414037
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 10.7 5.4 8.0#

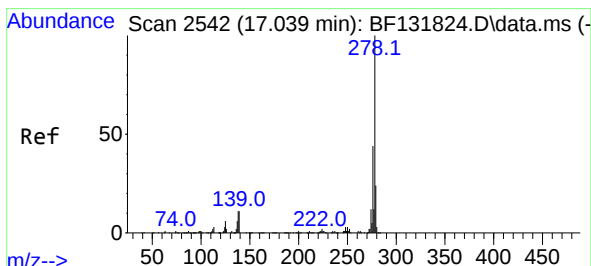
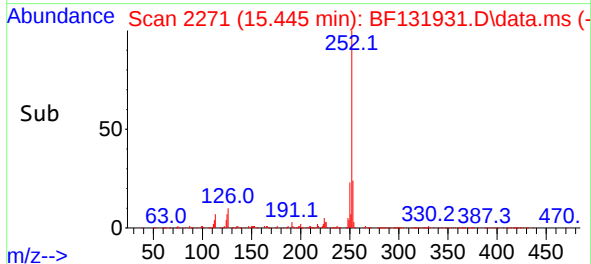
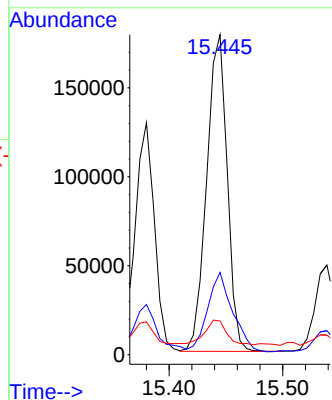
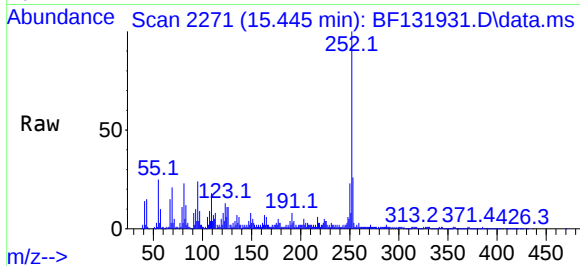




#90
Benzo(a)pyrene
Concen: 36.587 ng
RT: 15.445 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

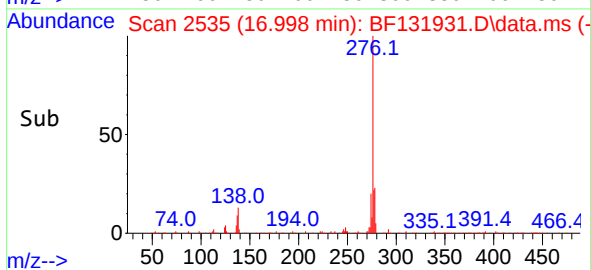
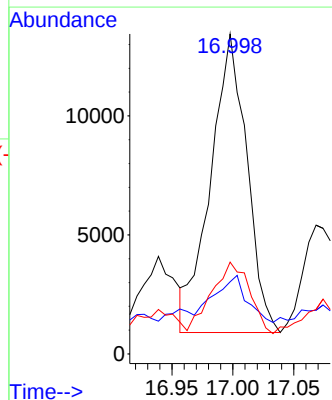
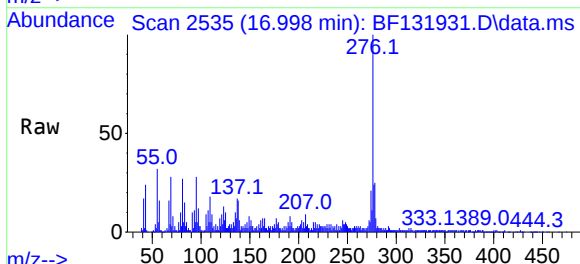
Instrument :
BNA_F
ClientSampleId :
PE-9

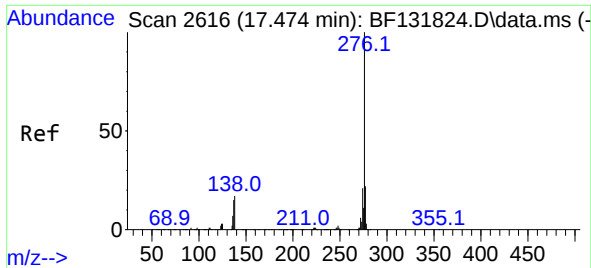
Tgt Ion:252 Resp: 223768
Ion Ratio Lower Upper
252 100
253 25.7 16.6 24.8#
125 10.5 5.8 8.8#



#91
Dibenzo(a,h)anthracene
Concen: 4.638 ng
RT: 16.998 min Scan# 2535
Delta R.T. 0.024 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Tgt Ion:278 Resp: 26001
Ion Ratio Lower Upper
278 100
139 22.5 8.6 12.8#
279 28.7 19.0 28.4#





#92
Benzo(g,h,i)perylene
Concen: 18.574 ng
RT: 17.445 min Scan# 20
Delta R.T. 0.035 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Instrument :
BNA_F
ClientSampleId :
PE-9

Tgt Ion:	276	Resp:	99221
Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	16.4	13.7	20.5

