

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138789.D
 Acq On : 05 Aug 2024 17:02
 Operator : RC/JU
 Sample : P3463-03 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-082024

Quant Time: Aug 05 17:31:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

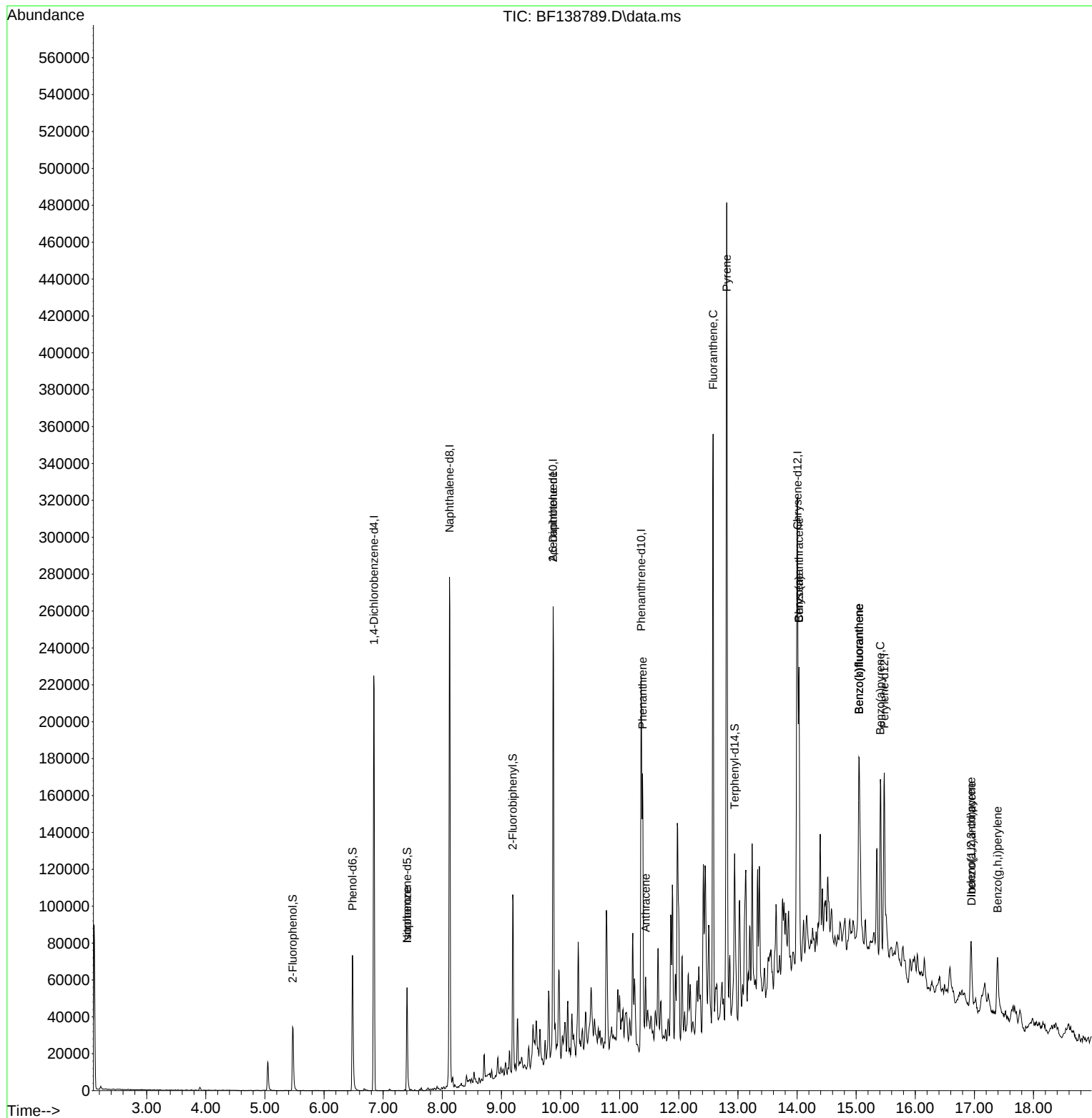
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	45343	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	163946	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	69702	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	98729	20.000	ng	0.00
76) Chrysene-d12	14.010	240	64006	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	51308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	14752	5.022	ng	0.00
7) Phenol-d6	6.481	99	36501	9.255	ng	0.00
23) Nitrobenzene-d5	7.404	82	24020	7.163	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	420	0.736	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	41660	8.980	ng	-0.01
79) Terphenyl-d14	12.945	244	34017	8.898	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.404	82	24019	4.195	ng	# 66
51) 2,6-Dinitrotoluene	9.875	165	9552	9.497	ng	# 21
71) Phenanthrene	11.386	178	72224	14.207	ng	99
72) Anthracene	11.439	178	19389	3.871	ng	97
75) Fluoranthene	12.580	202	162892	34.322	ng	97
78) Pyrene	12.810	202	234417	38.899	ng	99
81) Benzo(a)anthracene	14.033	228	75152	17.051	ng	93
83) Chrysene	14.033	228	75152	18.899	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.945	276	25868	7.035	ng	# 93
88) Benzo(b)fluoranthene	15.051	252	79741	25.071	ng	99
89) Benzo(k)fluoranthene	15.051	252	79741	28.957	ng	98
90) Benzo(a)pyrene	15.410	252	53110	19.852	ng	97
91) Dibenzo(a,h)anthracene	16.951	278	7022	2.326	ng	# 86
92) Benzo(g,h,i)perylene	17.392	276	27618	8.818	ng	95

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

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Quant Time: Aug 05 17:31:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

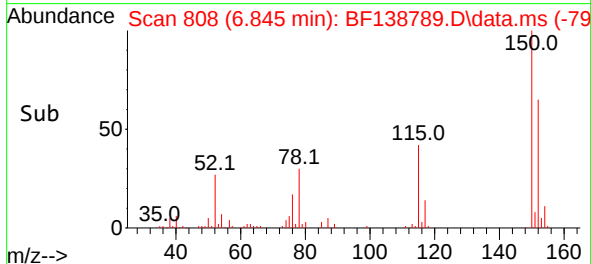
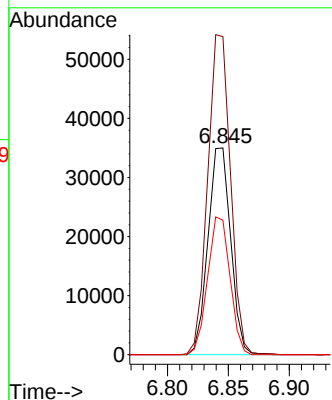
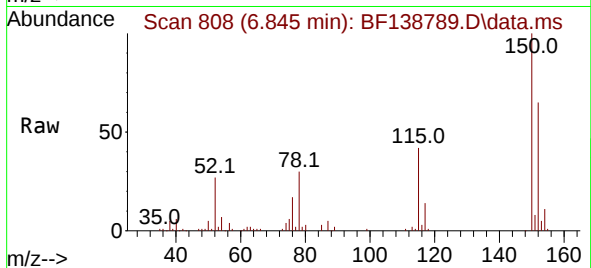




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

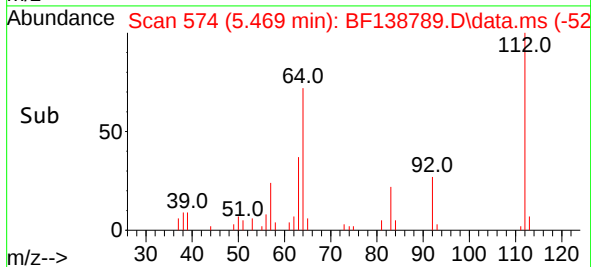
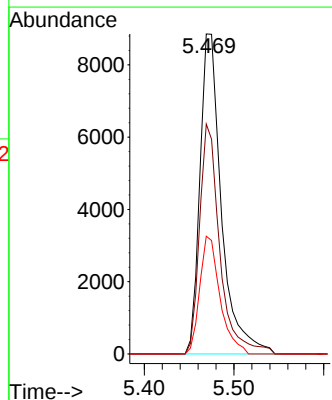
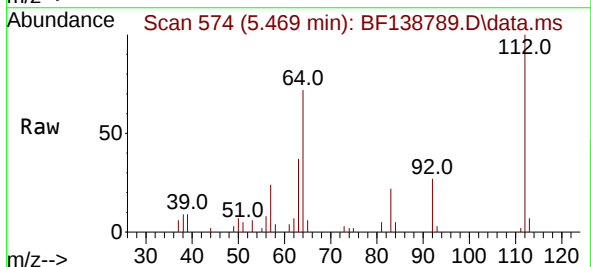
Instrument :
BNA_F
ClientSampleId :
TR-05-082024

Tgt Ion:152 Resp: 45343
Ion Ratio Lower Upper
152 100
150 153.9 126.0 189.0
115 65.0 51.7 77.5



#5
2-Fluorophenol
Concen: 5.022 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Tgt Ion:112 Resp: 14752
Ion Ratio Lower Upper
112 100
64 71.9 54.2 81.4
63 36.8 28.7 43.1

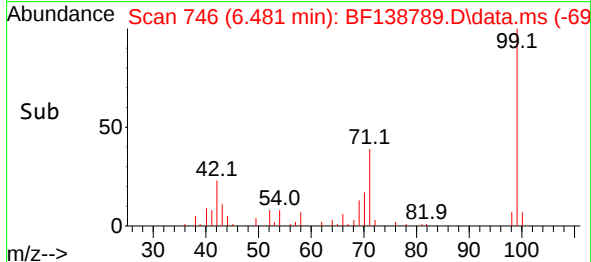
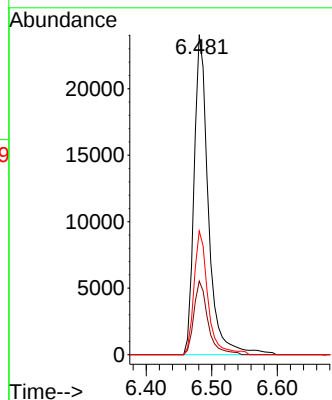
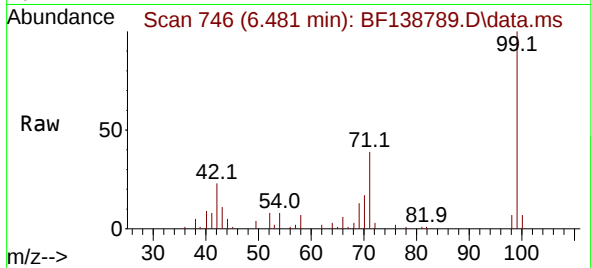




#7
Phenol-d6
Concen: 9.255 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

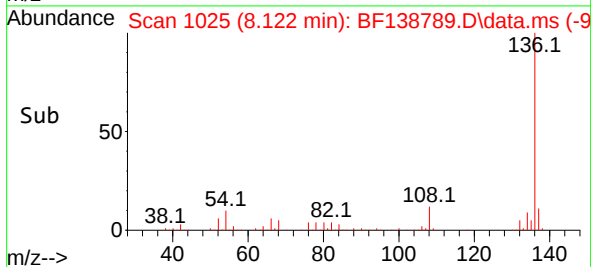
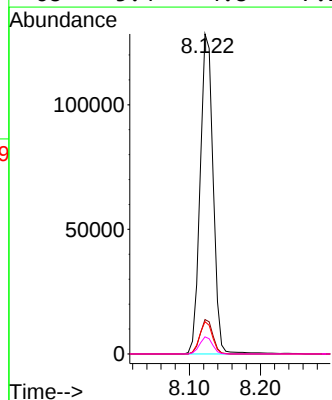
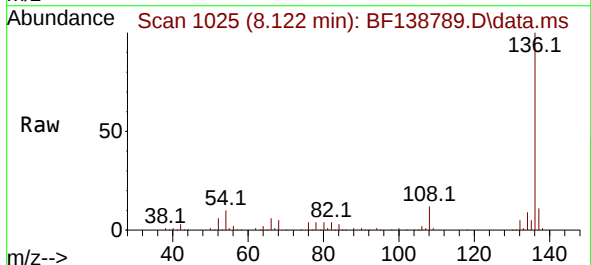
Instrument :
BNA_F
ClientSampleId :
TR-05-082024

Tgt Ion: 99 Resp: 36501
Ion Ratio Lower Upper
99 100
42 23.0 17.4 26.0
71 38.7 28.1 42.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Tgt Ion: 136 Resp: 163946
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 10.1 8.6 12.8
68 5.4 4.8 7.2





#23
Nitrobenzene-d5
Concen: 7.163 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

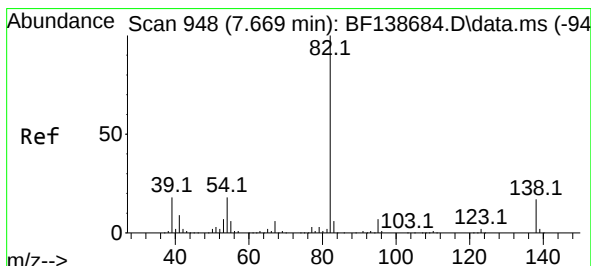
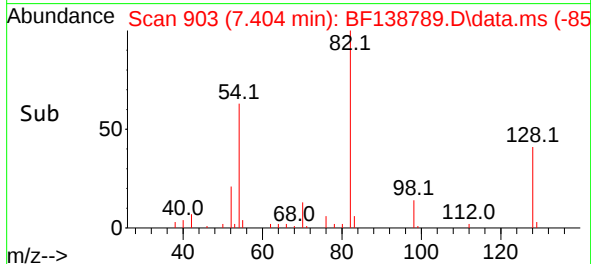
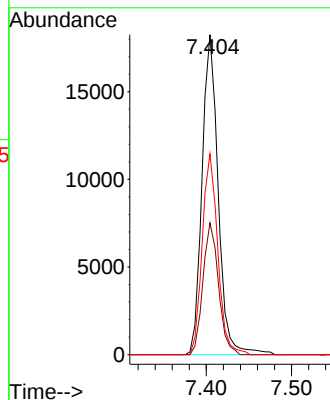
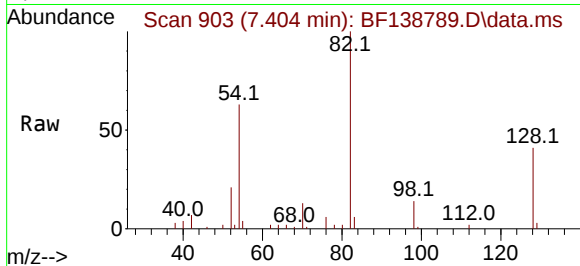
Instrument :

BNA_F

ClientSampleId :

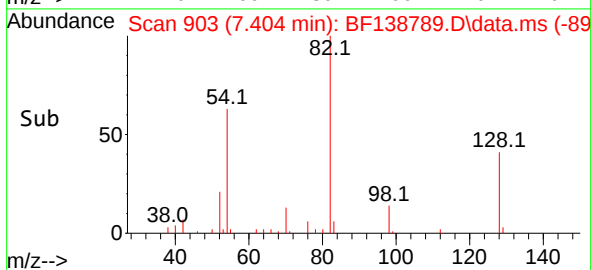
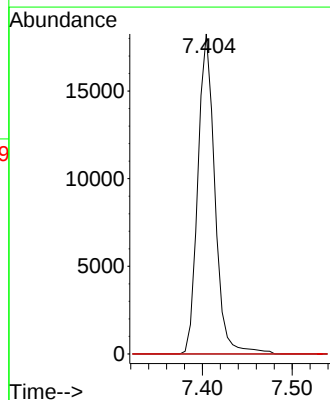
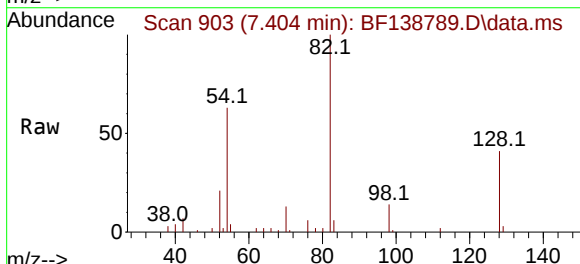
TR-05-082024

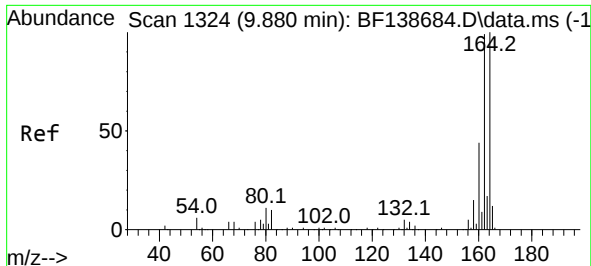
Tgt Ion: 82 Resp: 24020
Ion Ratio Lower Upper
82 100
128 41.2 32.8 49.2
54 62.7 48.3 72.5



#25
Isophorone
Concen: 4.195 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.265 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Tgt Ion: 82 Resp: 24019
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#

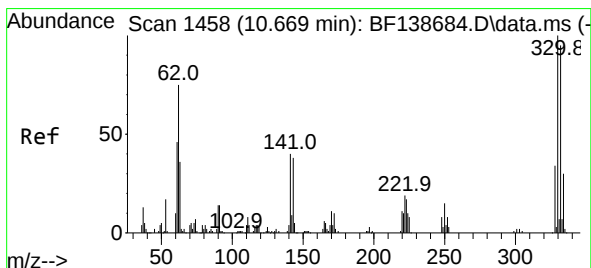
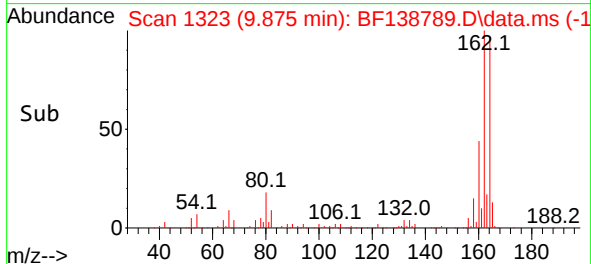
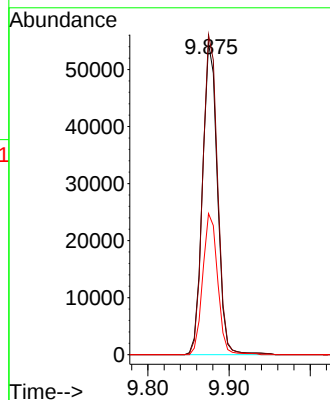
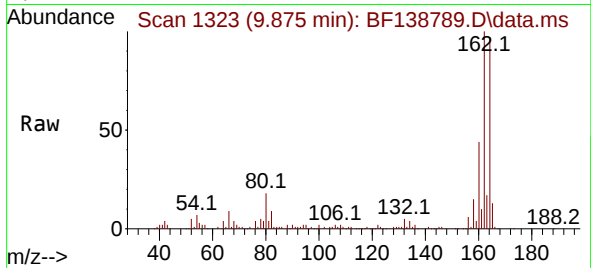




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

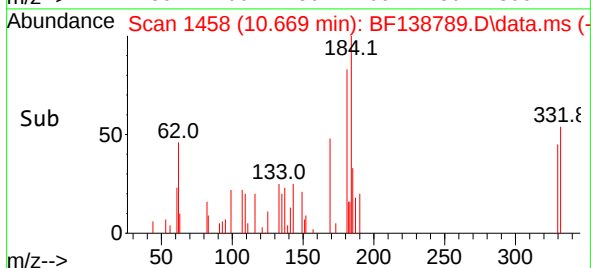
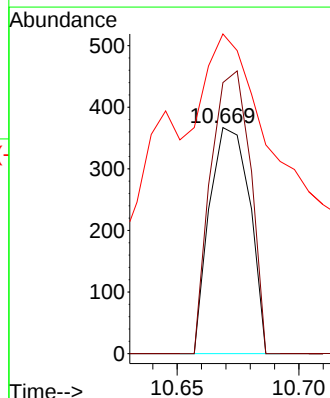
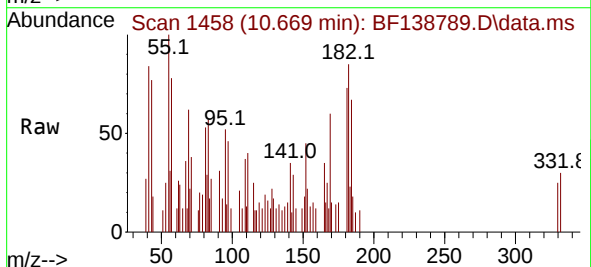
Instrument :
BNA_F
ClientSampleId :
TR-05-082024

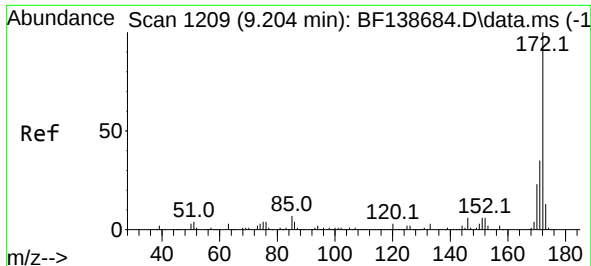
Tgt Ion:164 Resp: 69702
Ion Ratio Lower Upper
164 100
162 102.7 79.4 119.0
160 45.3 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 0.736 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Tgt Ion:330 Resp: 420
Ion Ratio Lower Upper
330 100
332 123.3 76.4 114.6#
141 220.5 31.1 46.7#





#45

2-Fluorobiphenyl

Concen: 8.980 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138789.D

Acq: 05 Aug 2024 17:02

Instrument :

BNA_F

ClientSampleId :

TR-05-082024

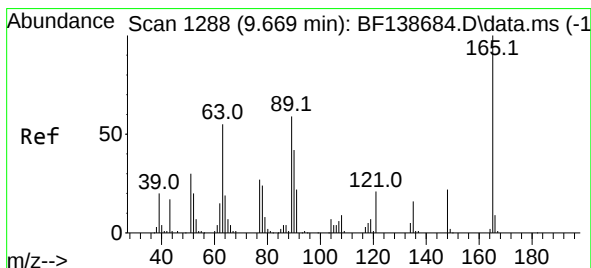
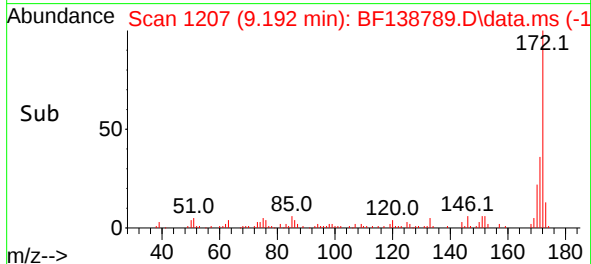
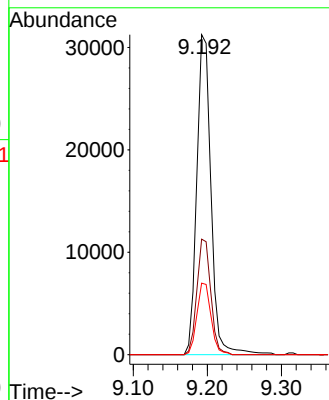
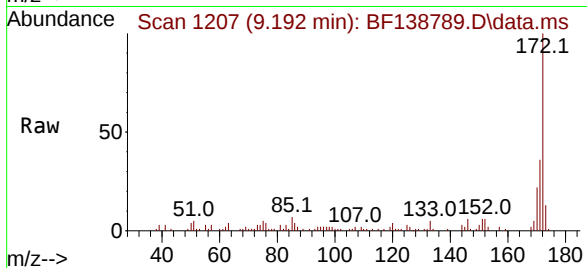
Tgt Ion:172 Resp: 41660

Ion Ratio Lower Upper

172 100

171 36.1 28.3 42.5

170 22.4 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.497 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.206 min

Lab File: BF138789.D

Acq: 05 Aug 2024 17:02

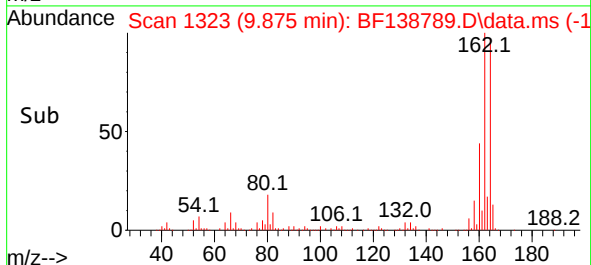
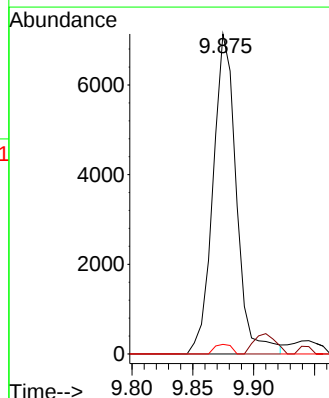
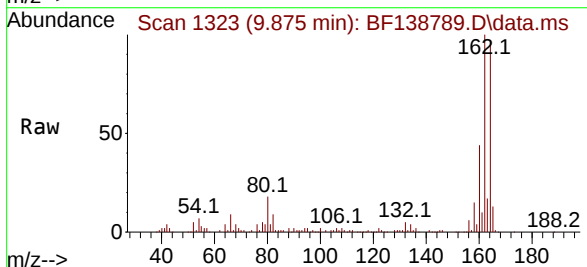
Tgt Ion:165 Resp: 9552

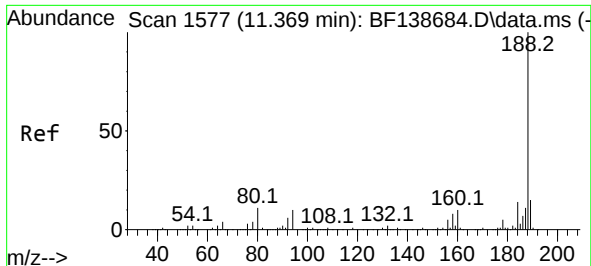
Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 3.0 47.0 70.6#

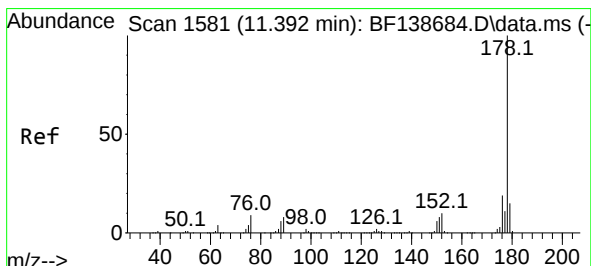
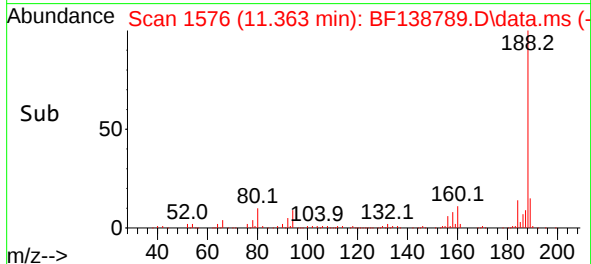
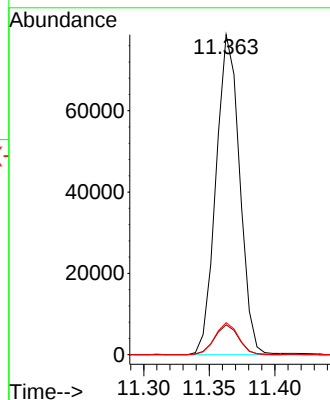
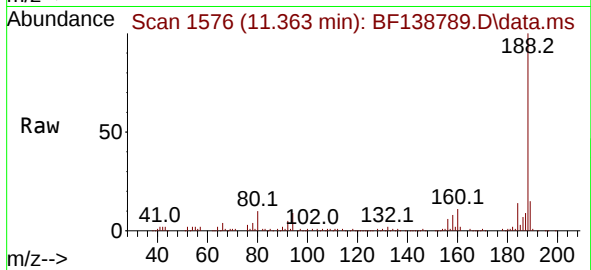




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

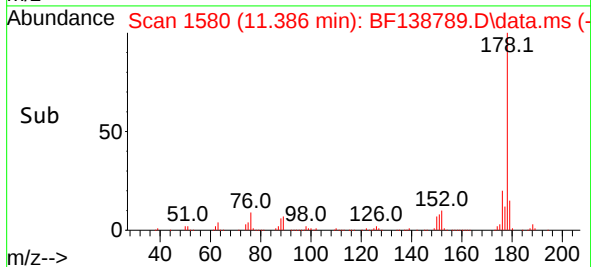
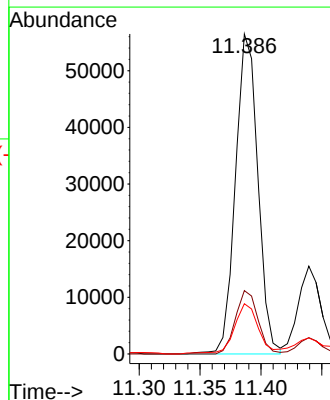
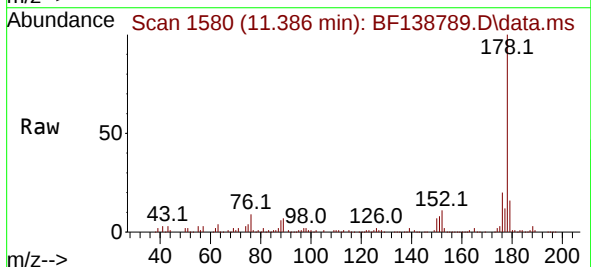
Instrument :
BNA_F
ClientSampleId :
TR-05-082024

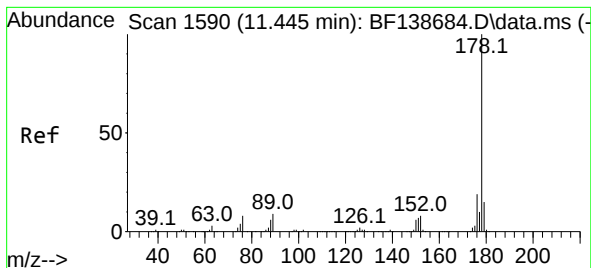
Tgt Ion:188 Resp: 98729
Ion Ratio Lower Upper
188 100
94 9.4 7.6 11.4
80 10.0 8.6 12.8



#71
Phenanthrene
Concen: 14.207 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Tgt Ion:178 Resp: 72224
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.0
179 15.7 12.2 18.2





#72

Anthracene

Concen: 3.871 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF138789.D

Acq: 05 Aug 2024 17:02

Instrument :

BNA_F

ClientSampleId :

TR-05-082024

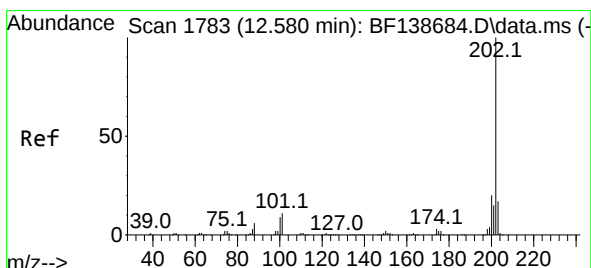
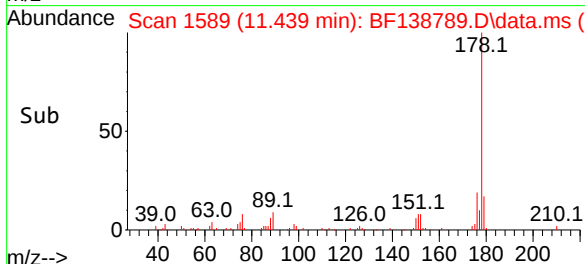
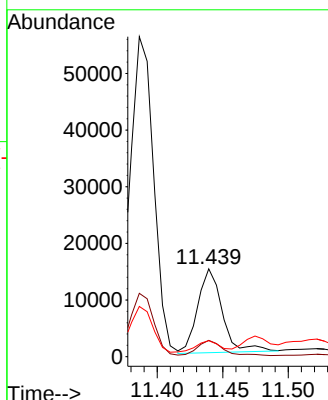
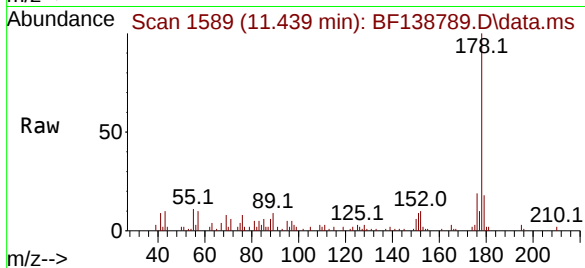
Tgt Ion:178 Resp: 19389

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 18.2 12.4 18.6



#75

Fluoranthene

Concen: 34.322 ng

RT: 12.580 min Scan# 1783

Delta R.T. 0.000 min

Lab File: BF138789.D

Acq: 05 Aug 2024 17:02

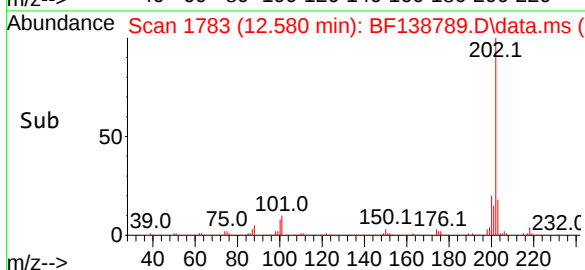
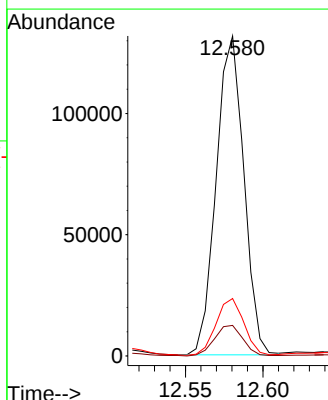
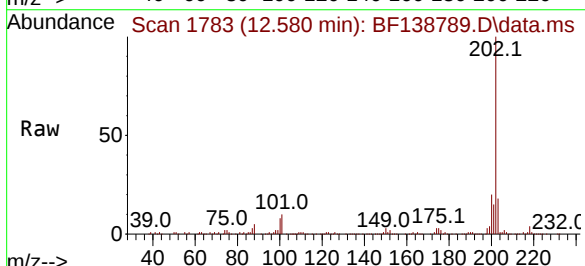
Tgt Ion:202 Resp: 162892

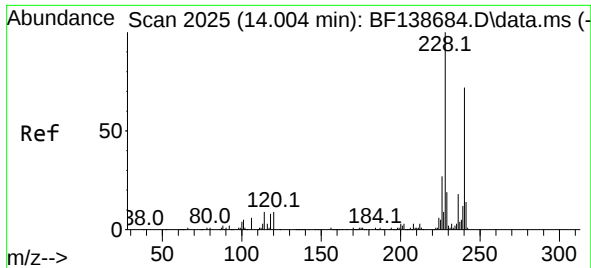
Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.2

203 18.0 0.0 37.3

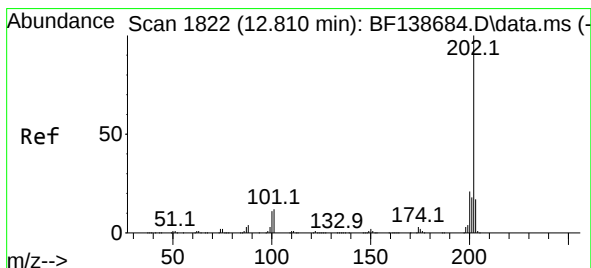
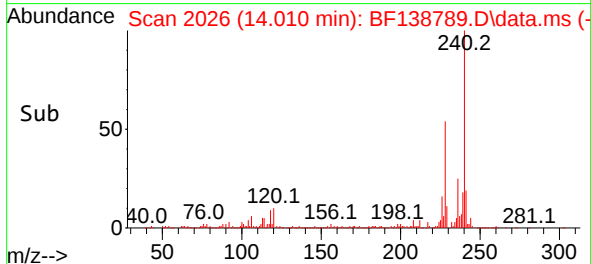
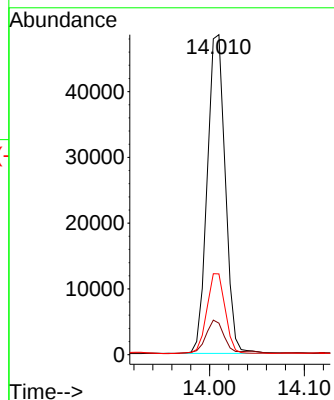
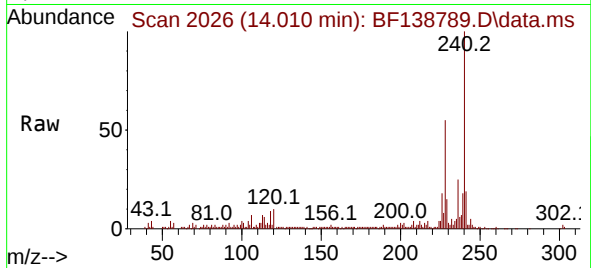




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

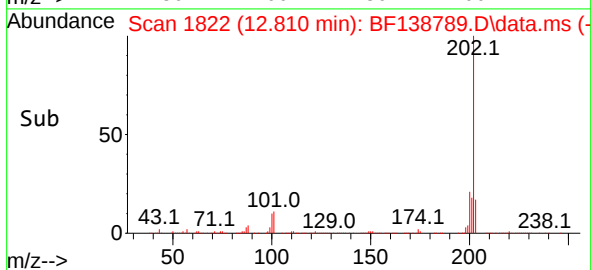
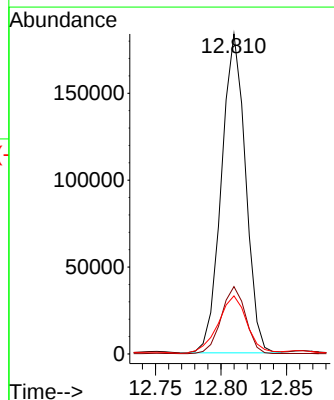
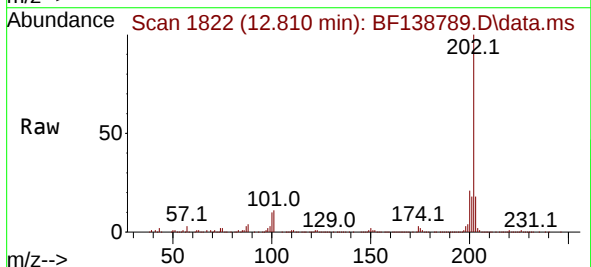
Instrument :
BNA_F
ClientSampleId :
TR-05-082024

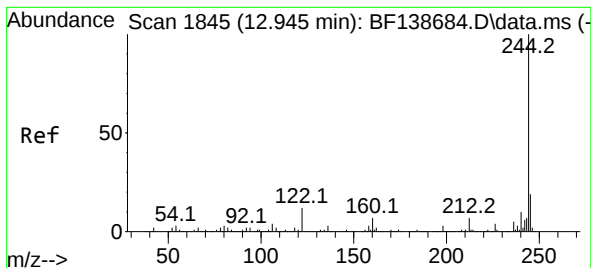
Tgt Ion:240 Resp: 64006
Ion Ratio Lower Upper
240 100
120 9.9 10.2 15.4#
236 25.3 19.8 29.8



#78
Pyrene
Concen: 38.899 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Tgt Ion:202 Resp: 234417
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 18.1 13.8 20.6





#79

Terphenyl-d14

Concen: 8.898 ng

RT: 12.945 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138789.D

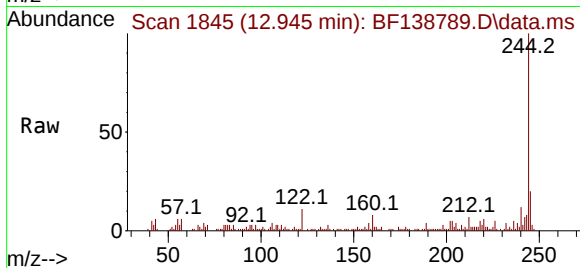
Acq: 05 Aug 2024 17:02

Instrument :

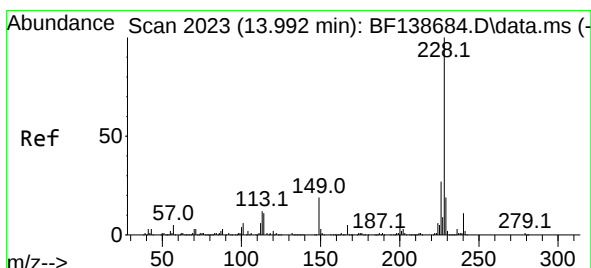
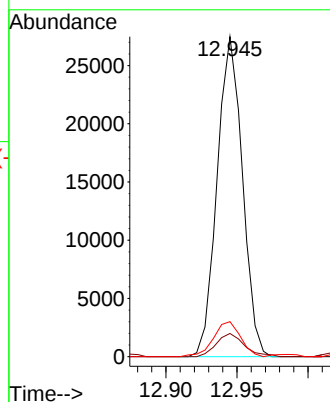
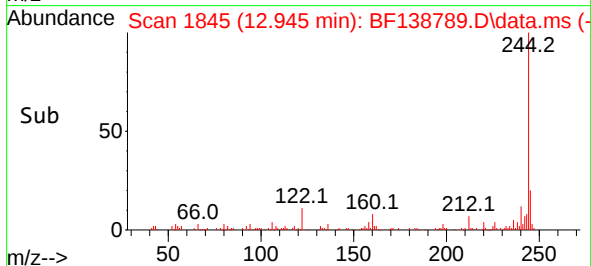
BNA_F

ClientSampleId :

TR-05-082024



Tgt Ion:	244	Resp:	34017
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.2
122	10.9	9.6	14.4



#81

Benzo(a)anthracene

Concen: 17.051 ng

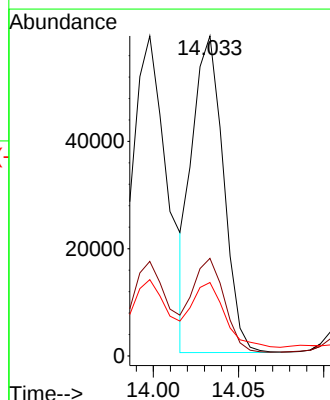
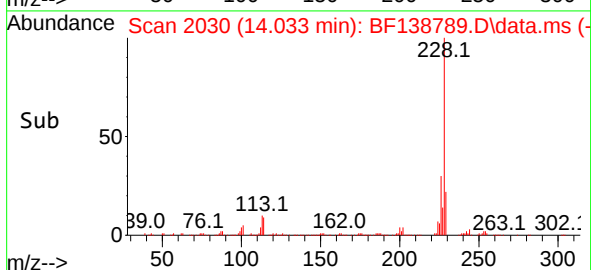
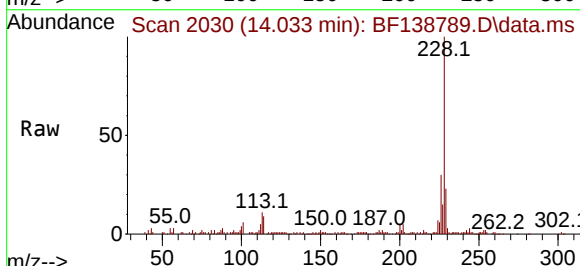
RT: 14.033 min Scan# 2030

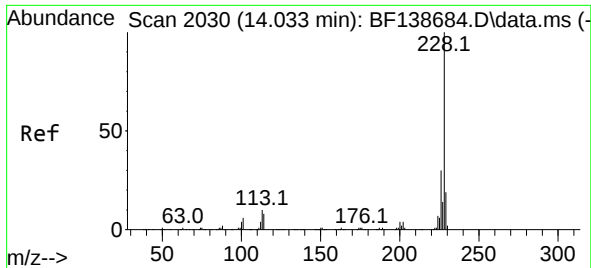
Delta R.T. 0.041 min

Lab File: BF138789.D

Acq: 05 Aug 2024 17:02

Tgt Ion:	228	Resp:	75152
Ion Ratio	Lower	Upper	
228	100		
226	30.5	22.1	33.1
229	22.9	15.4	23.0

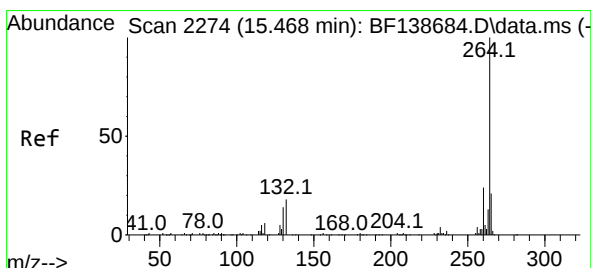
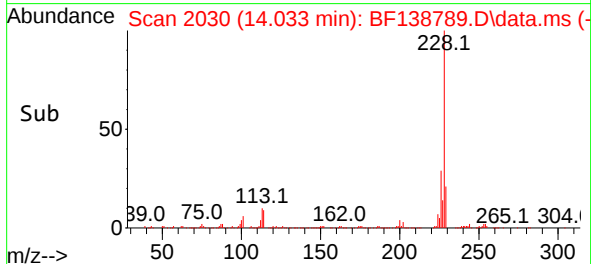
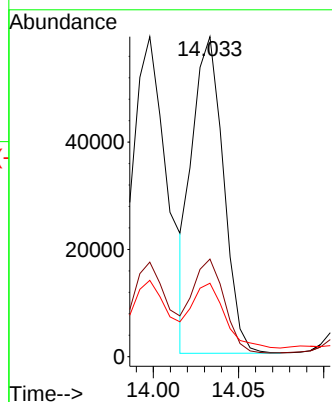
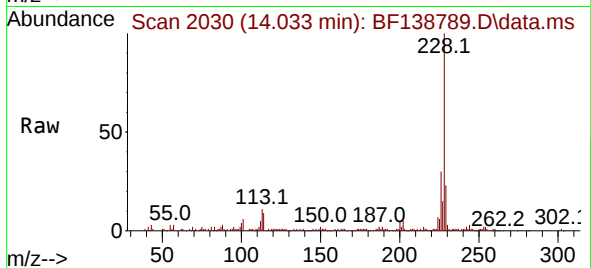




#83
Chrysene
Concen: 18.899 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

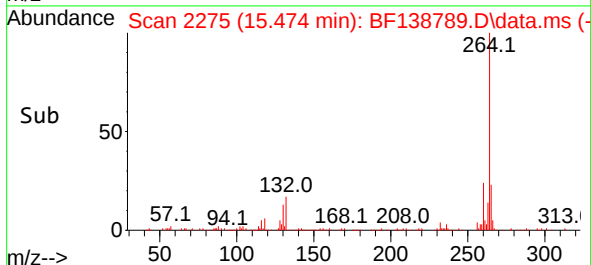
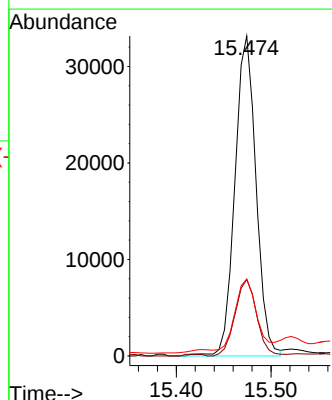
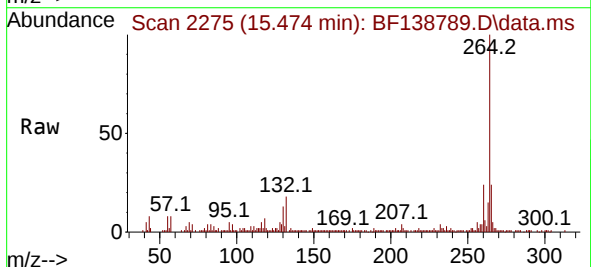
Instrument :
BNA_F
ClientSampleId :
TR-05-082024

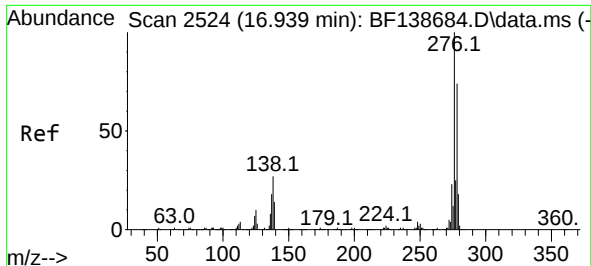
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	22.9	15.0	22.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	24.1	17.0	25.6

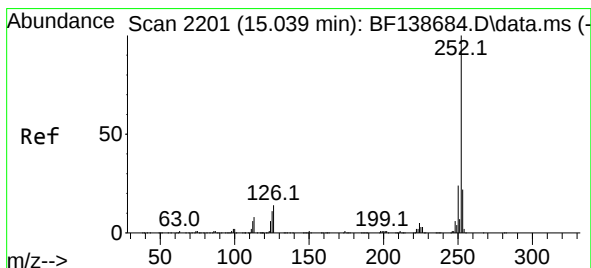
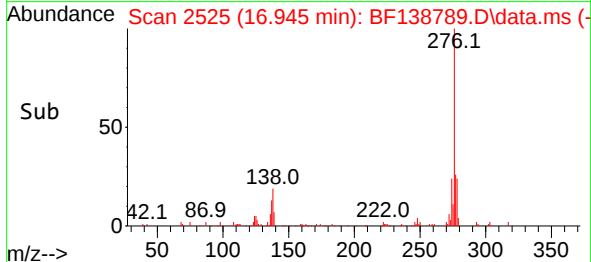
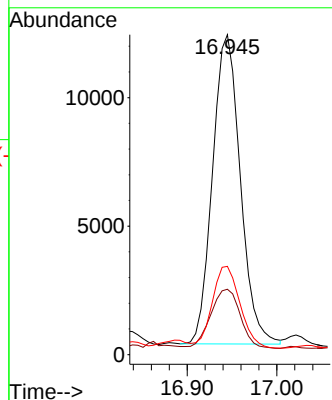
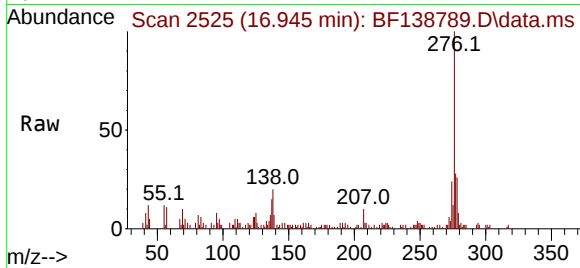




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.035 ng
RT: 16.945 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

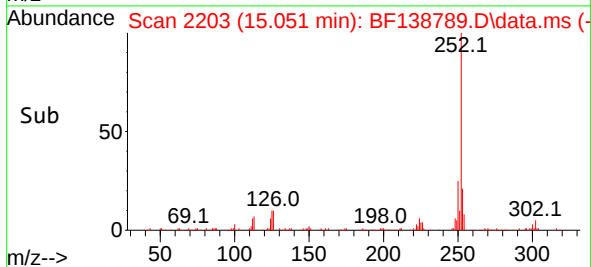
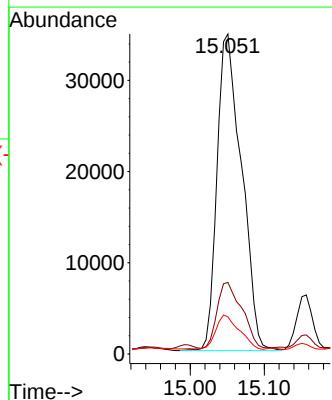
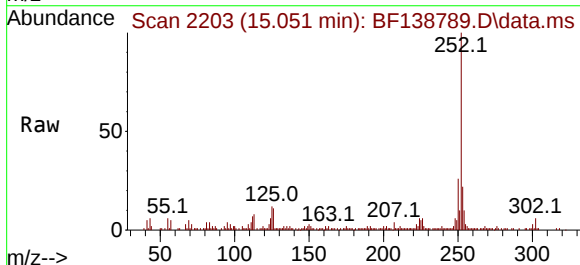
Instrument :
BNA_F
ClientSampleId :
TR-05-082024

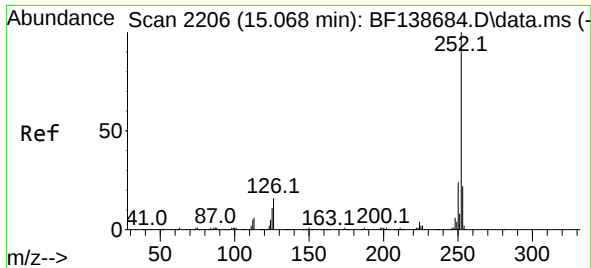
Tgt Ion:276 Resp: 25868
Ion Ratio Lower Upper
276 100
138 20.8 21.8 32.8#
277 26.5 20.6 30.8



#88
Benzo(b)fluoranthene
Concen: 25.071 ng
RT: 15.051 min Scan# 2203
Delta R.T. 0.012 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Tgt Ion:252 Resp: 79741
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 11.6 8.9 13.3

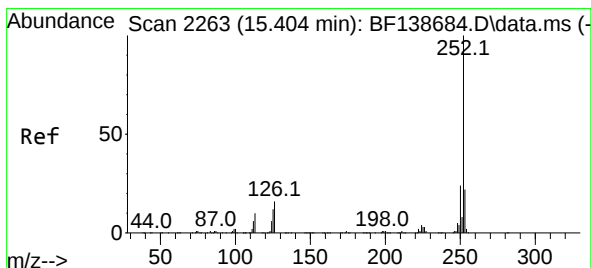
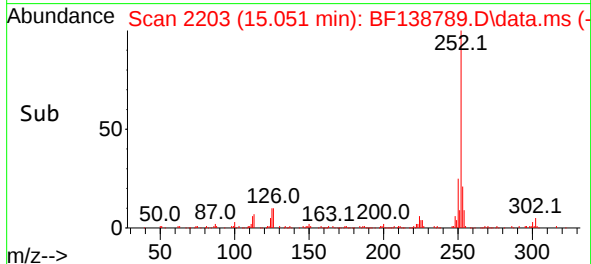
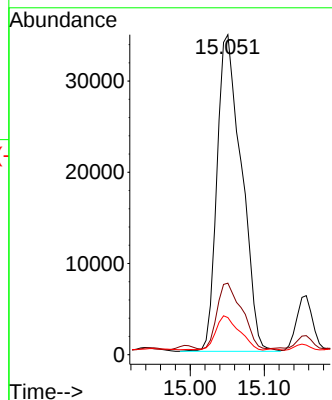
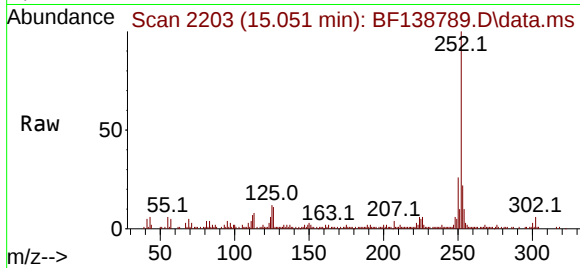




#89
Benzo(k)fluoranthene
Concen: 28.957 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

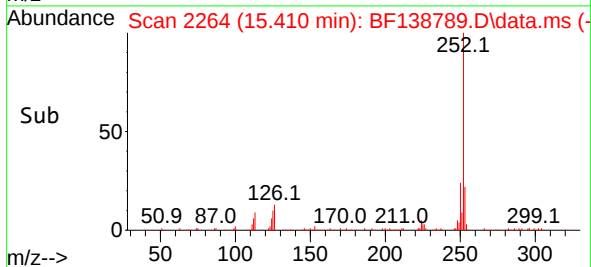
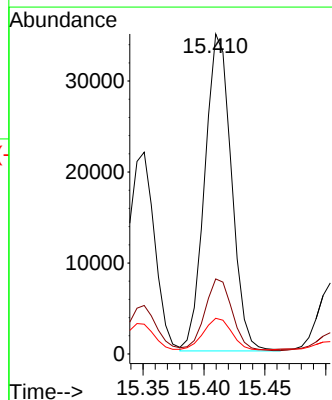
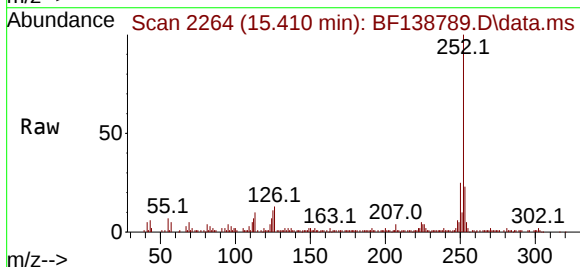
Instrument :
BNA_F
ClientSampleId :
TR-05-082024

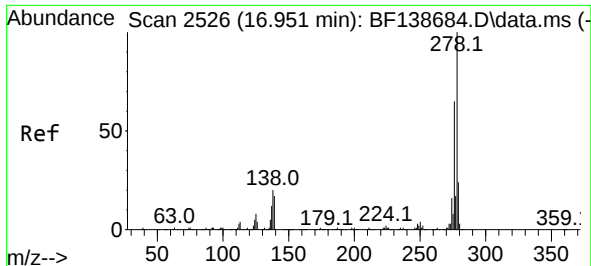
Tgt Ion:252 Resp: 79741
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 11.6 8.6 13.0



#90
Benzo(a)pyrene
Concen: 19.852 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Tgt Ion:252 Resp: 53110
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 11.2 9.5 14.3

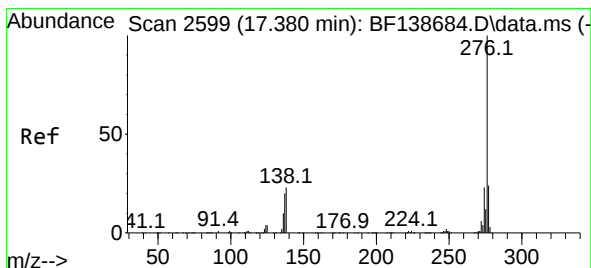
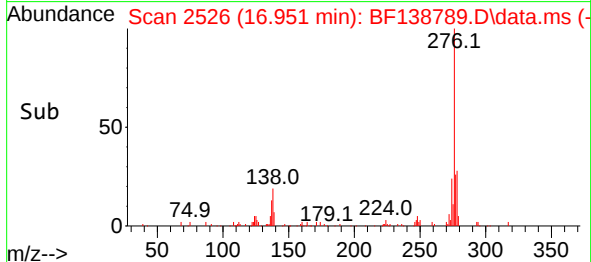
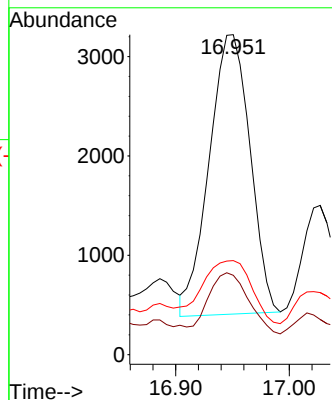
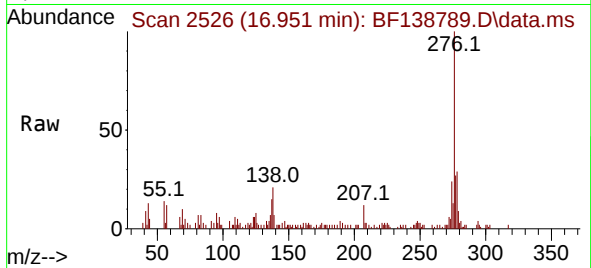




#91
Dibenzo(a,h)anthracene
Concen: 2.326 ng
RT: 16.951 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Instrument :
BNA_F
ClientSampleId :
TR-05-082024

Tgt Ion:278 Resp: 7022
Ion Ratio Lower Upper
278 100
139 24.8 14.0 21.0#
279 29.4 19.0 28.4#



#92
Benzo(g,h,i)perylene
Concen: 8.818 ng
RT: 17.392 min Scan# 2601
Delta R.T. 0.012 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Tgt Ion:276 Resp: 27618
Ion Ratio Lower Upper
276 100
277 26.5 19.0 28.4
138 20.6 18.5 27.7

