

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134318.D
 Acq On : 17 Jul 2023 16:25
 Operator : CG\JU
 Sample : 03564-02DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225DL

Quant Time: Jul 17 16:58:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

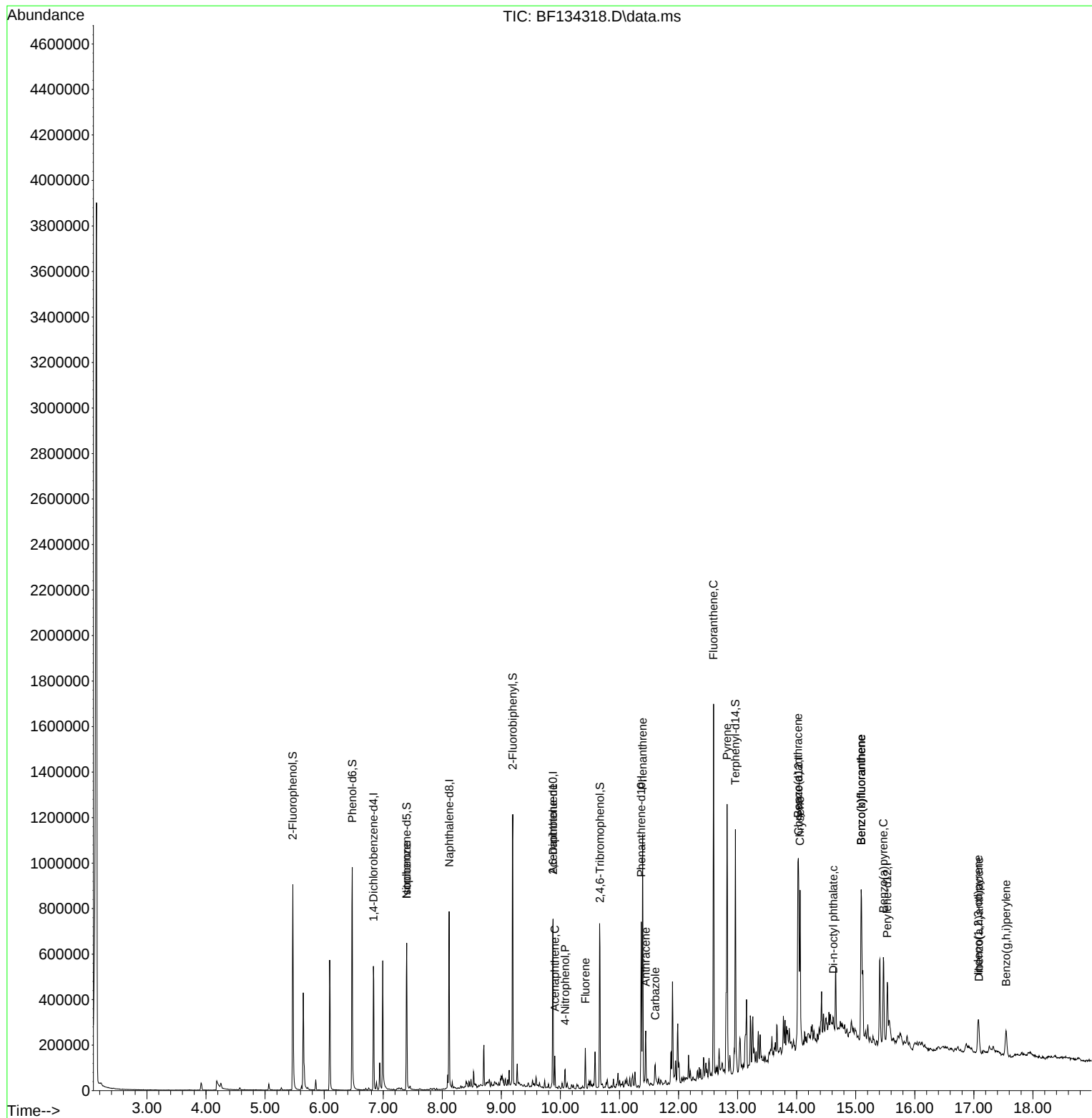
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	81421	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	307869	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	146667	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	253983	20.000	ng	0.00
76) Chrysene-d12	14.033	240	162529	20.000	ng	0.00
86) Perylene-d12	15.533	264	123998	20.000	ng	#-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	240301	49.369	ng	0.00
7) Phenol-d6	6.475	99	284189	47.476	ng	-0.01
23) Nitrobenzene-d5	7.398	82	185607	32.498	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	81362	44.245	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	344916	34.191	ng	-0.01
79) Terphenyl-d14	12.963	244	336532	33.325	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	107	Below Cal	#	1
25) Isophorone	7.398	82	185606	17.881	ng	# 64
51) 2,6-Dinitrotoluene	9.875	165	19452	8.483	ng	# 23
52) Acenaphthene	9.904	154	24834	2.911	ng	99
56) 4-Nitrophenol	10.081	139	9977	5.185	ng	# 6
58) Fluorene	10.422	166	42842	4.130	ng	100
71) Phenanthrene	11.392	178	368302	28.805	ng	98
72) Anthracene	11.445	178	89813	6.753	ng	98
73) Carbazole	11.604	167	36848	3.027	ng	100
75) Fluoranthene	12.592	202	615412	44.522	ng	98
78) Pyrene	12.822	202	505768	33.438	ng	100
81) Benzo(a)anthracene	14.022	228	316772	28.103	ng	99
83) Chrysene	14.057	228	265876	24.354	ng	97
85) Di-n-octyl phthalate	14.621	149	19457	2.031	ng	# 73
87) Indeno(1,2,3-cd)pyrene	17.074	276	116343	13.522	ng	# 94
88) Benzo(b)fluoranthene	15.092	252	514159	70.518	ng	98
89) Benzo(k)fluoranthene	15.092	252	514159	69.261	ng	97
90) Benzo(a)pyrene	15.468	252	194143	27.536	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	39332	5.597	ng	97
92) Benzo(g,h,i)perylene	17.545	276	106387	14.679	ng	99

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

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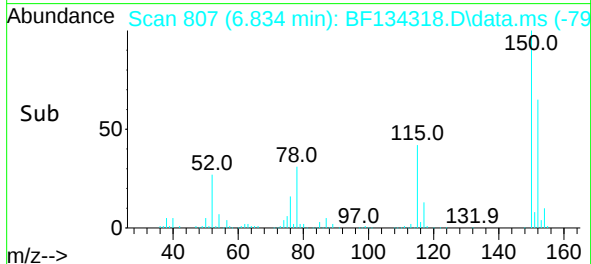
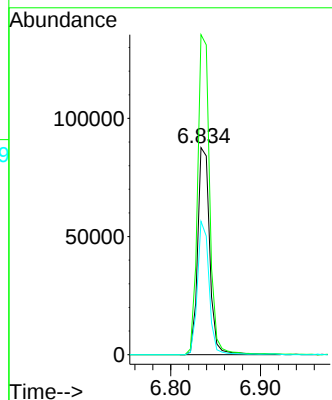
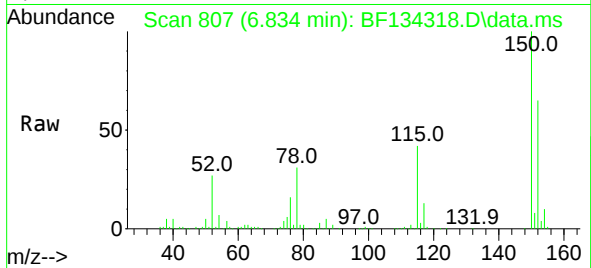




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

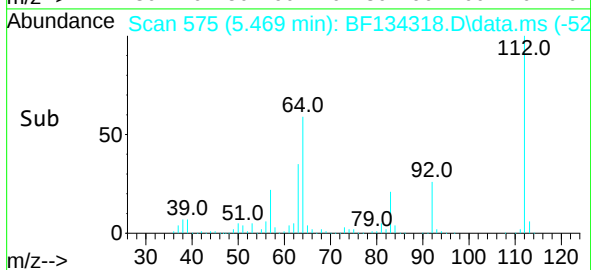
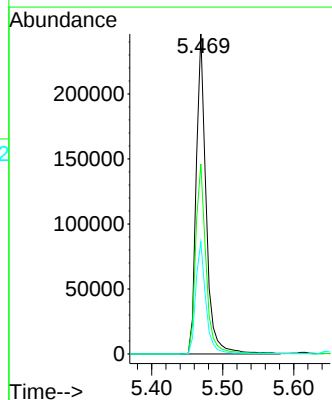
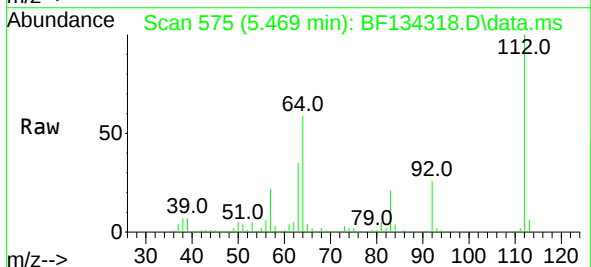
Instrument :
BNA_F
ClientSampleId :
VNJ-225DL

Tgt Ion:152 Resp: 81421
Ion Ratio Lower Upper
152 100
150 154.6 124.5 186.7
115 64.4 50.2 75.2



#5
2-Fluorophenol
Concen: 49.369 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Tgt Ion:112 Resp: 240301
Ion Ratio Lower Upper
112 100
64 59.4 52.1 78.1
63 35.0 28.6 42.8

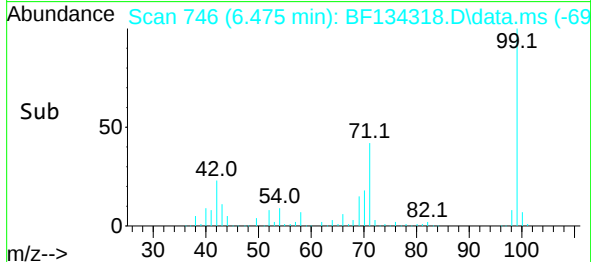
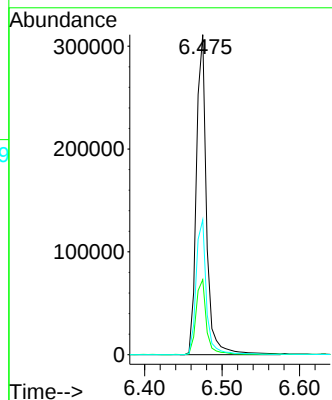
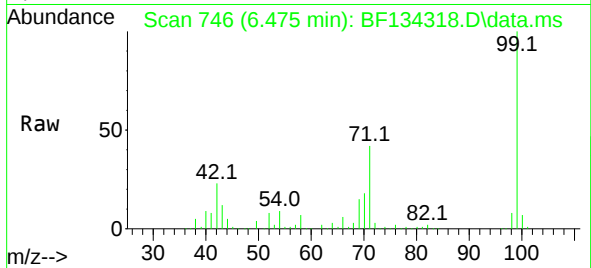




#7
Phenol-d6
Concen: 47.476 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

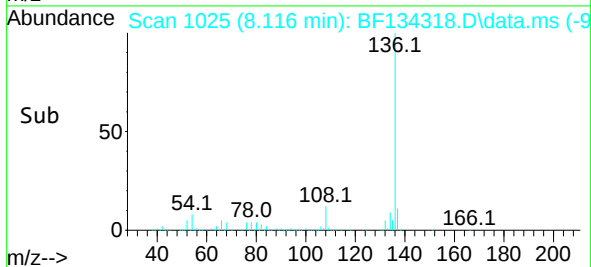
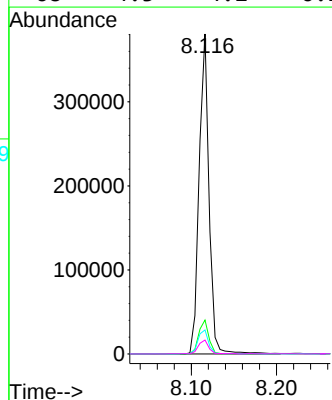
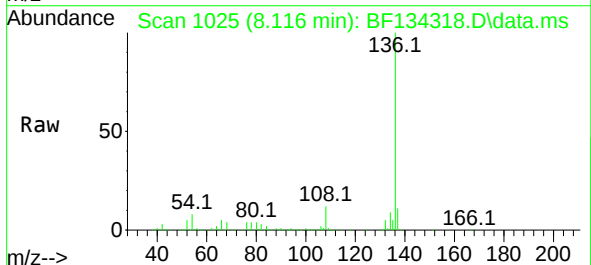
Instrument :
BNA_F
ClientSampleId :
VNJ-225DL

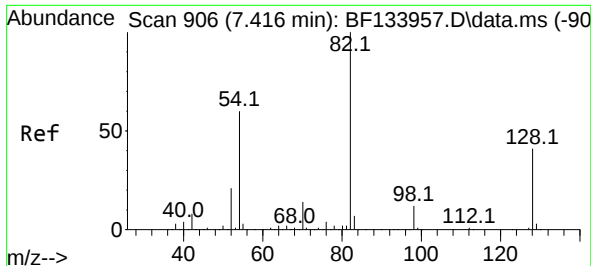
Tgt Ion: 99 Resp: 284189
Ion Ratio Lower Upper
99 100
42 23.4 19.8 29.6
71 42.2 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Tgt Ion: 136 Resp: 307869
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 7.5 6.5 9.7
68 4.3 4.2 6.2





#23

Nitrobenzene-d5

Concen: 32.498 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

Instrument :

BNA_F

ClientSampleId :

VNJ-225DL

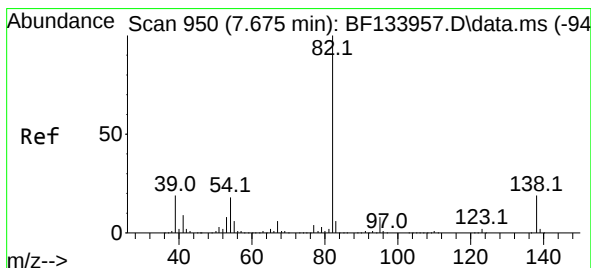
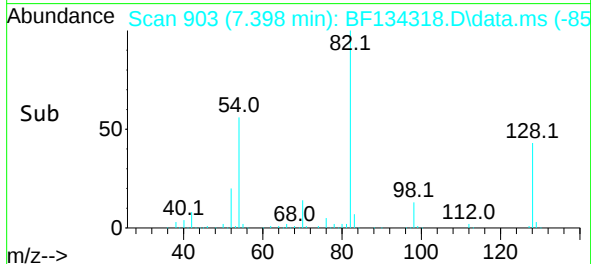
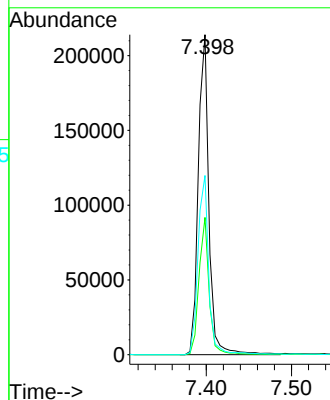
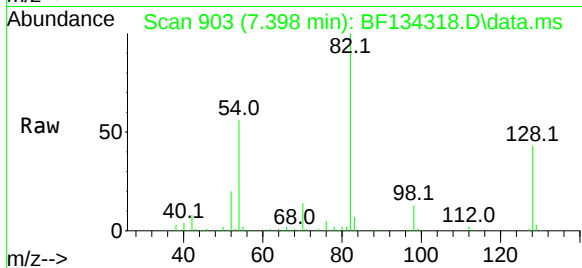
Tgt Ion: 82 Resp: 185607

Ion Ratio Lower Upper

82 100

128 42.9 32.5 48.7

54 56.0 48.2 72.2



#25

Isophorone

Concen: 17.881 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.264 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

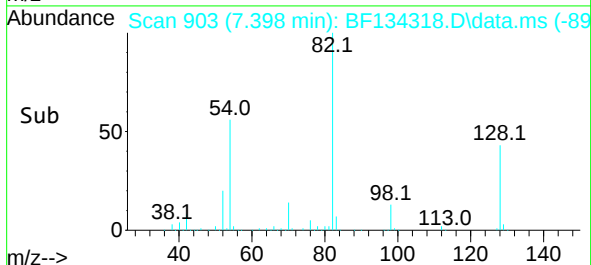
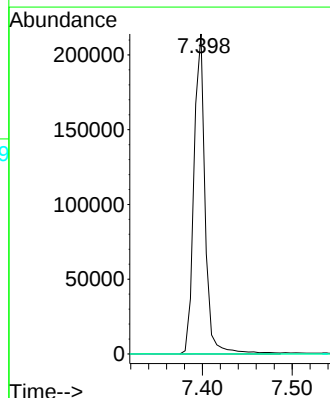
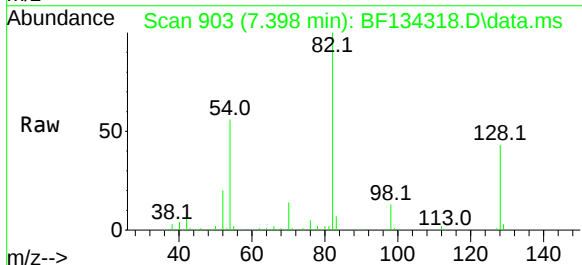
Tgt Ion: 82 Resp: 185606

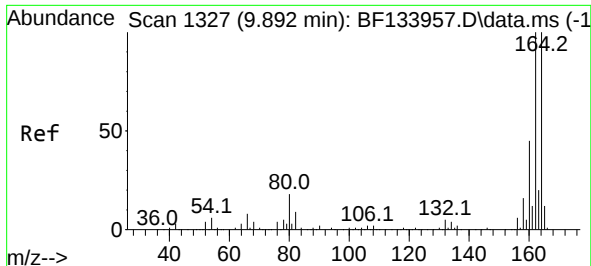
Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

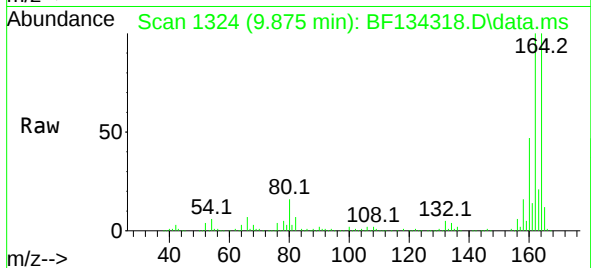
138 0.0 15.2 22.8#



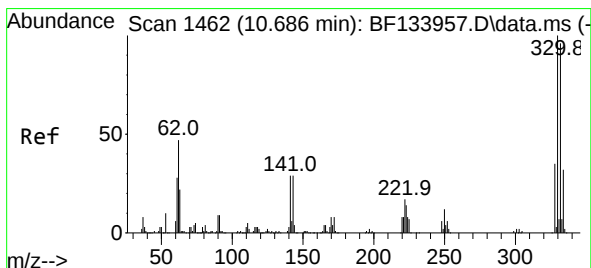
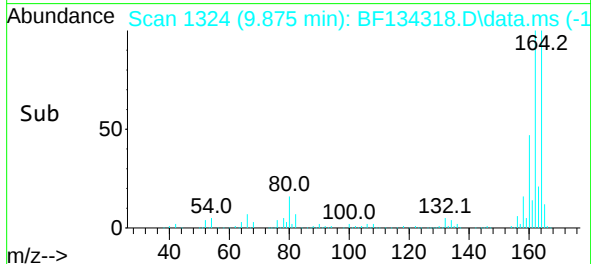
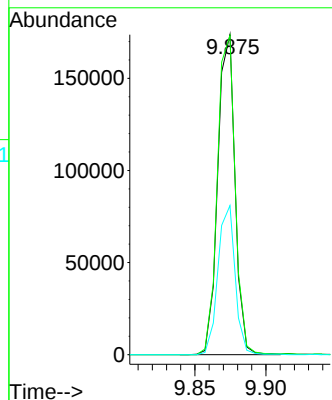


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Instrument :
BNA_F
ClientSampleId :
VNJ-225DL

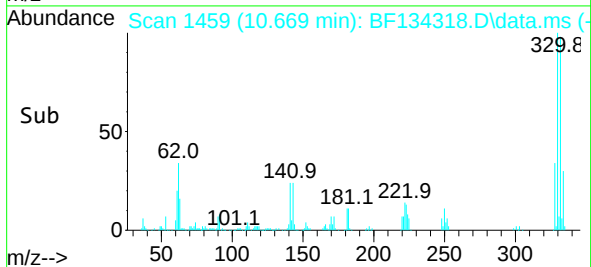
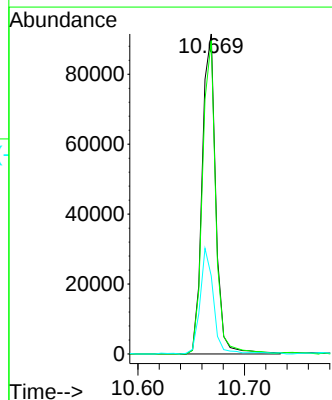
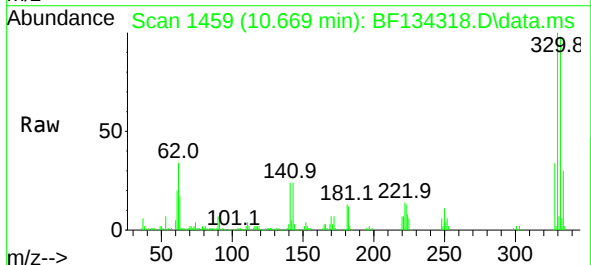


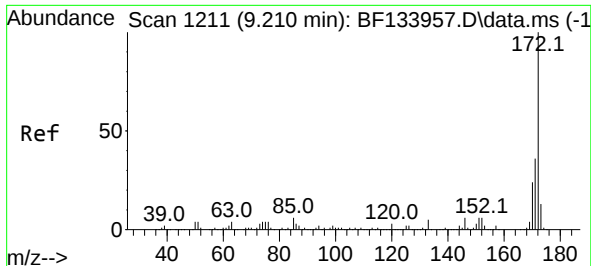
Tgt Ion:164 Resp: 146667
Ion Ratio Lower Upper
164 100
162 99.7 80.0 120.0
160 46.6 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 44.245 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Tgt Ion:330 Resp: 81362
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.6
141 32.1 26.3 39.5

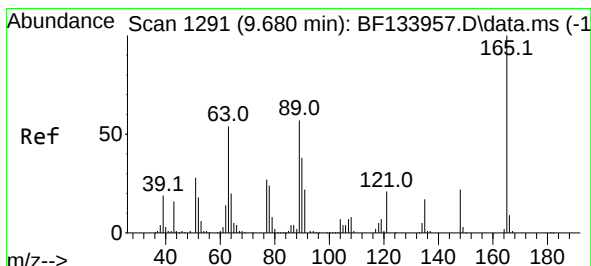
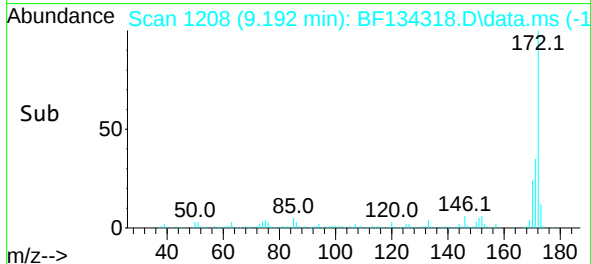
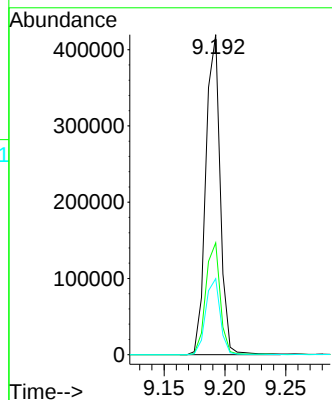
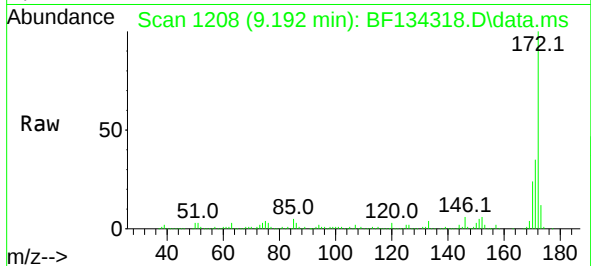




#45
2-Fluorobiphenyl
Concen: 34.191 ng
RT: 9.192 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

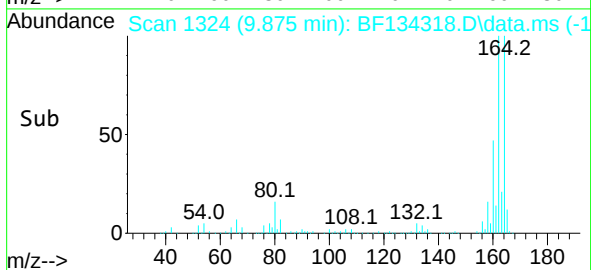
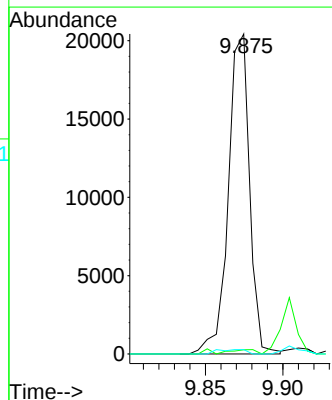
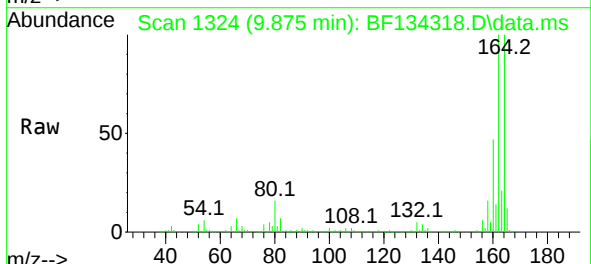
Instrument :
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ClientSampleId :
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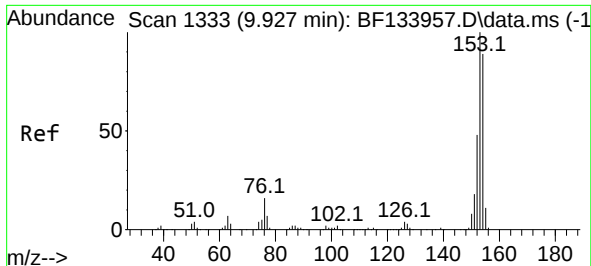
Tgt Ion:172 Resp: 344916
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.7 19.4 29.0



#51
2,6-Dinitrotoluene
Concen: 8.483 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.200 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Tgt Ion:165 Resp: 19452
Ion Ratio Lower Upper
165 100
63 1.3 48.5 72.7#
89 1.4 45.5 68.3#

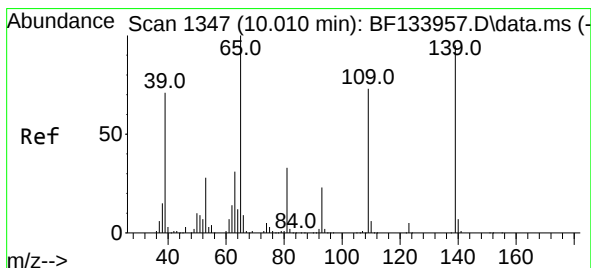
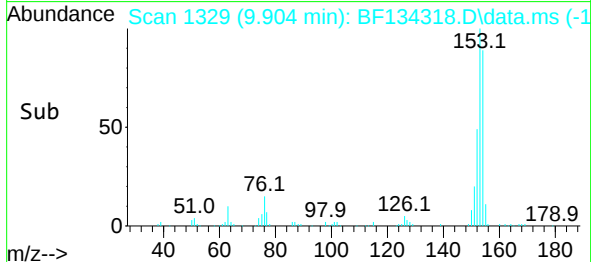
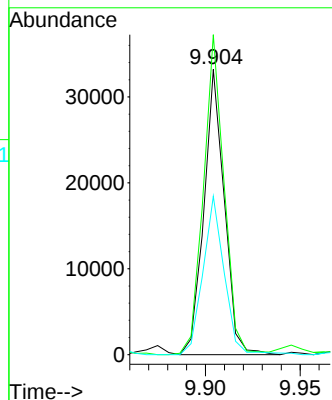
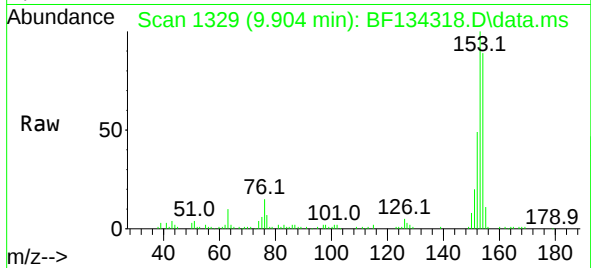




#52
Acenaphthene
Concen: 2.911 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

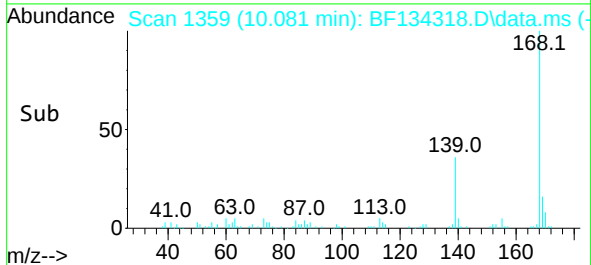
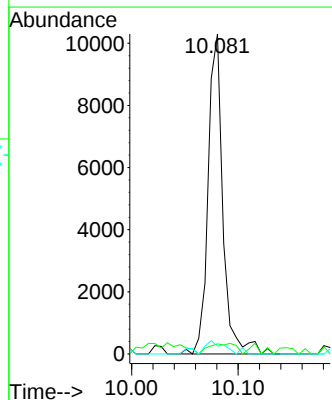
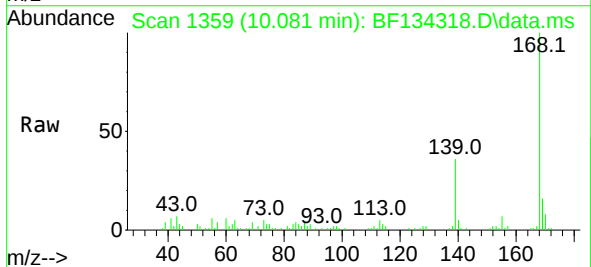
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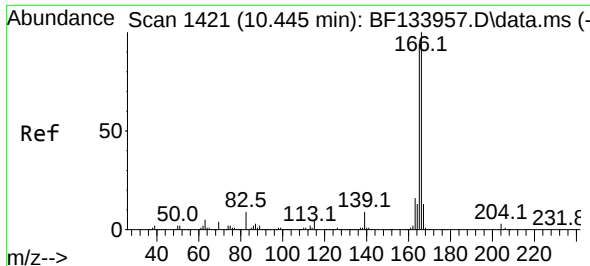
Tgt Ion:154 Resp: 24834
Ion Ratio Lower Upper
154 100
153 112.1 89.4 134.2
152 55.5 42.8 64.2



#56
4-Nitrophenol
Concen: 5.185 ng
RT: 10.081 min Scan# 1359
Delta R.T. 0.071 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Tgt Ion:139 Resp: 9977
Ion Ratio Lower Upper
139 100
109 3.1 56.8 96.8#
65 2.4 86.1 126.1#

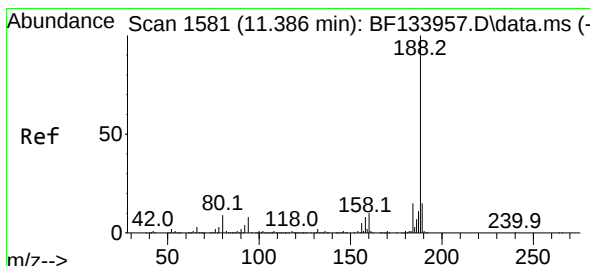
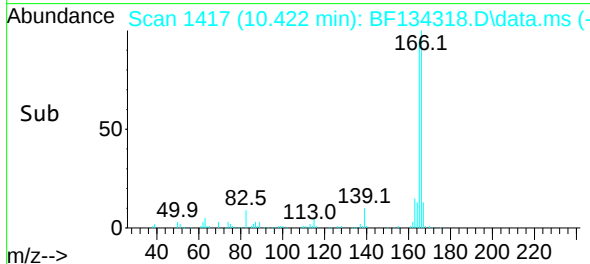
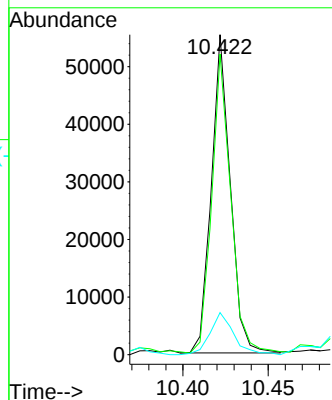
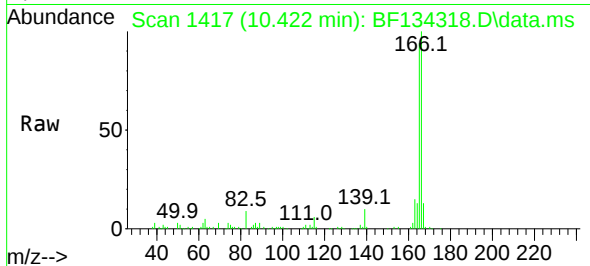




#58
Fluorene
Concen: 4.130 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

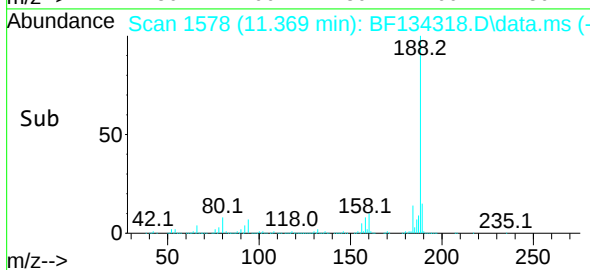
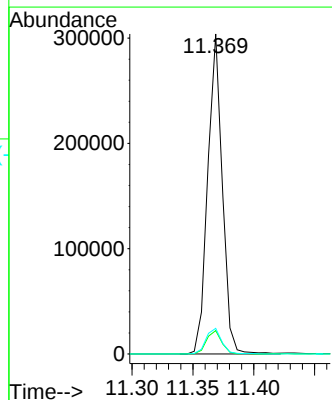
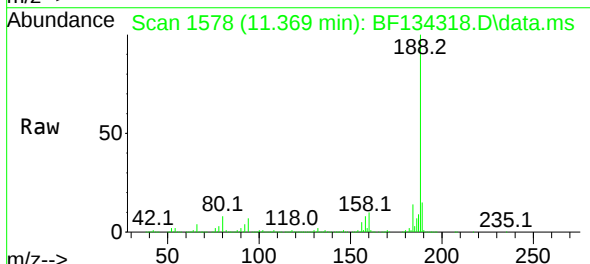
Instrument :
BNA_F
ClientSampleId :
VNJ-225DL

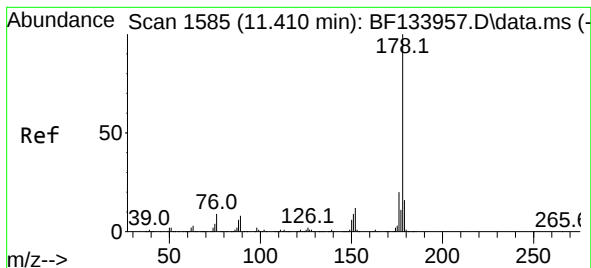
Tgt Ion:166 Resp: 42842
Ion Ratio Lower Upper
166 100
165 93.9 75.0 112.4
167 13.1 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Tgt Ion:188 Resp: 253983
Ion Ratio Lower Upper
188 100
94 7.3 6.4 9.6
80 8.0 7.3 10.9





#71

Phenanthrene

Concen: 28.805 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.012 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

Instrument :

BNA_F

ClientSampleId :

VNJ-225DL

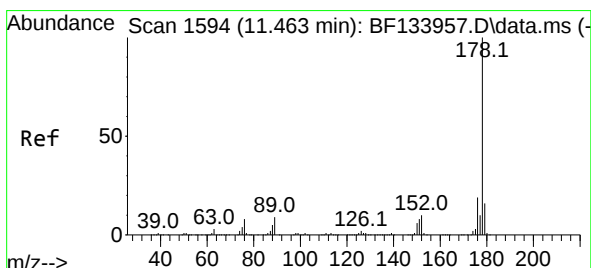
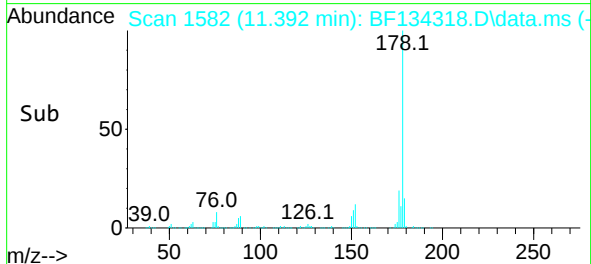
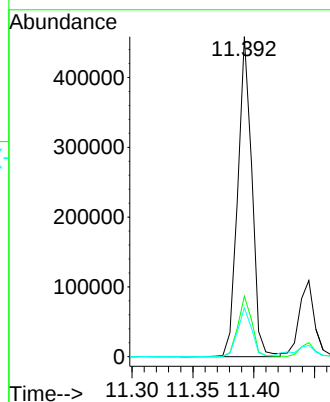
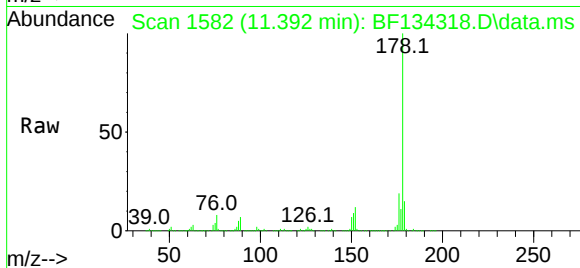
Tgt Ion:178 Resp: 368302

Ion Ratio Lower Upper

178 100

176 18.9 16.0 24.0

179 15.2 12.4 18.6



#72

Anthracene

Concen: 6.753 ng

RT: 11.445 min Scan# 1591

Delta R.T. -0.012 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

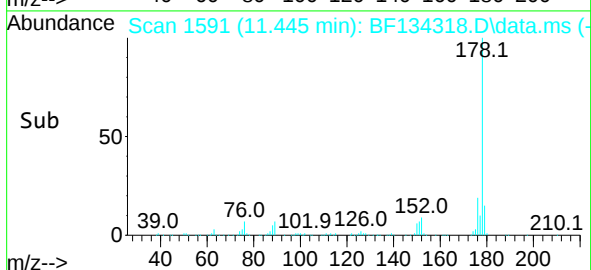
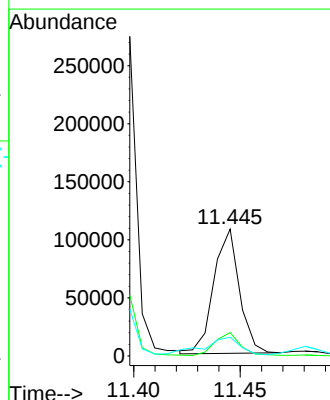
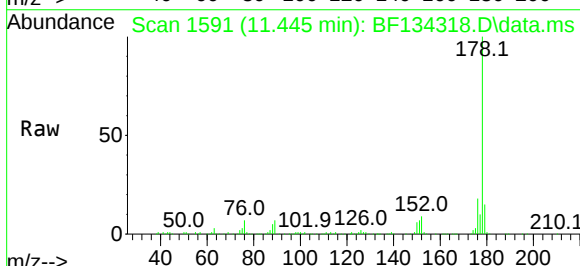
Tgt Ion:178 Resp: 89813

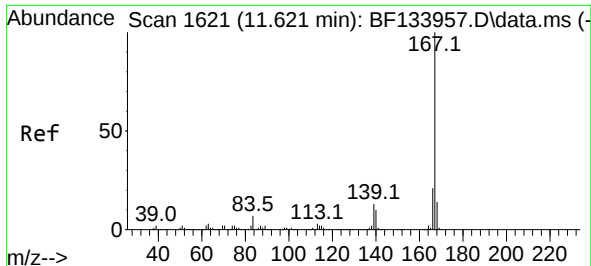
Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

179 14.8 12.4 18.6

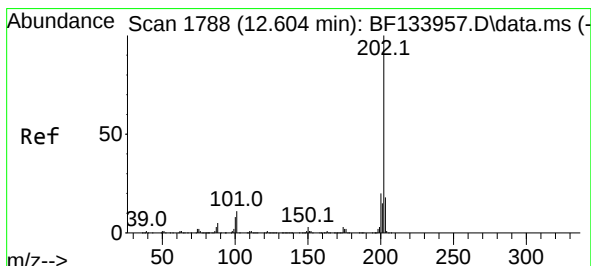
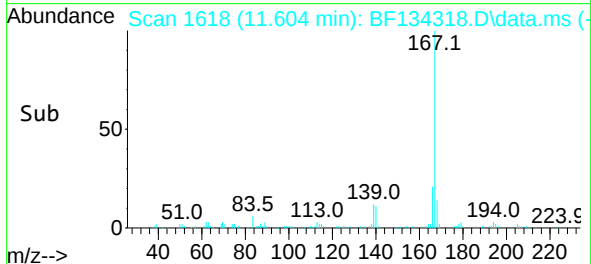
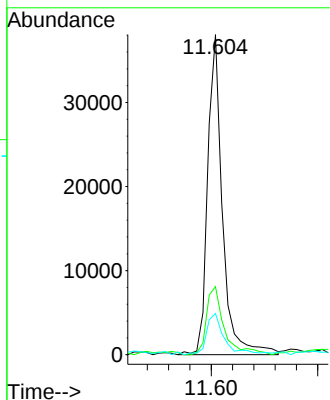
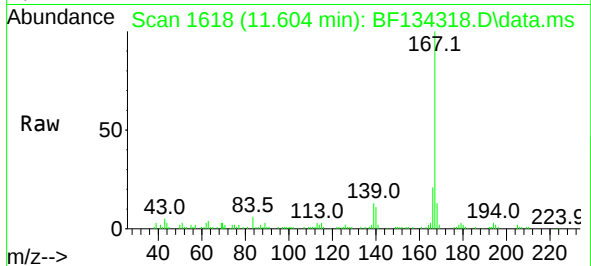




#73
 Carbazole
 Concen: 3.027 ng
 RT: 11.604 min Scan# 1618
 Delta R.T. -0.012 min
 Lab File: BF134318.D
 Acq: 17 Jul 2023 16:25

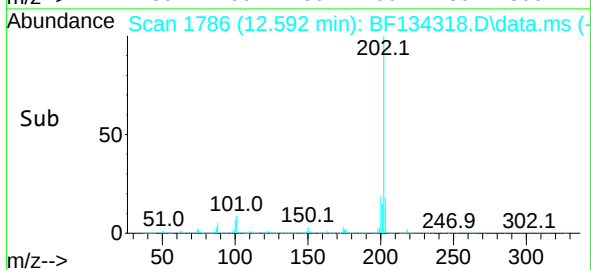
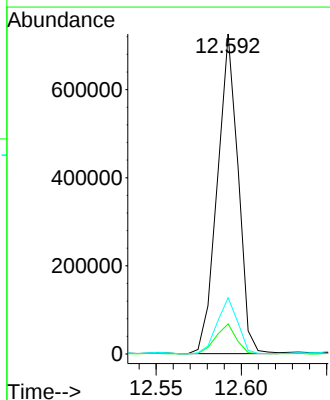
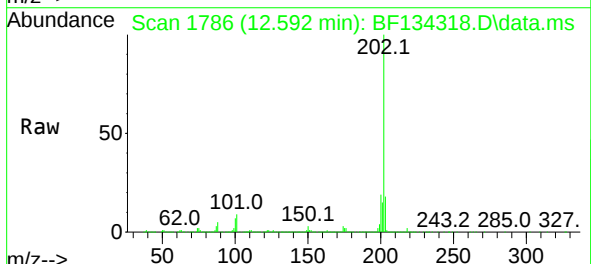
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225DL

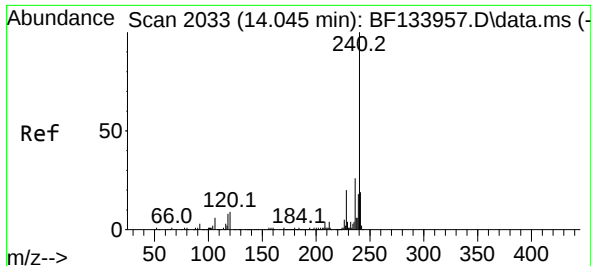
Tgt Ion:167 Resp: 36848
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 12.9 10.4 15.6



#75
 Fluoranthene
 Concen: 44.522 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. -0.006 min
 Lab File: BF134318.D
 Acq: 17 Jul 2023 16:25

Tgt Ion:202 Resp: 615412
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 31.0
 203 17.5 0.0 37.6

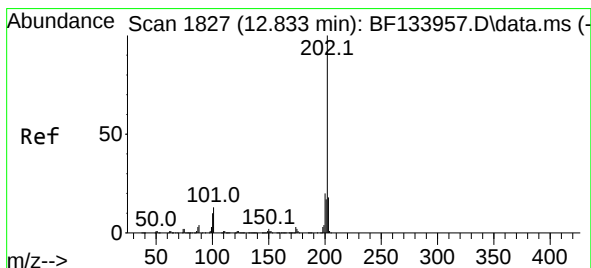
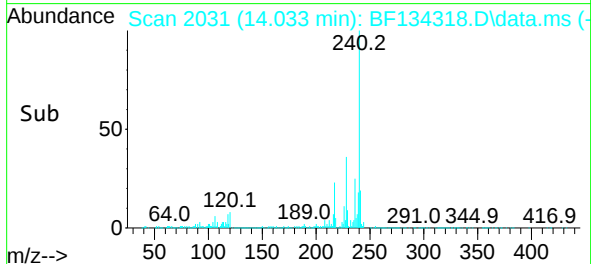
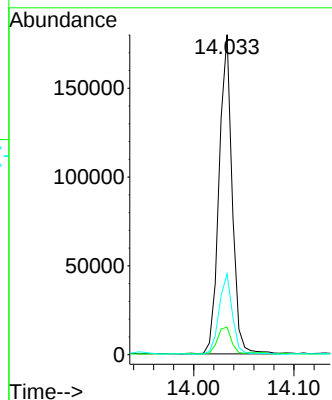
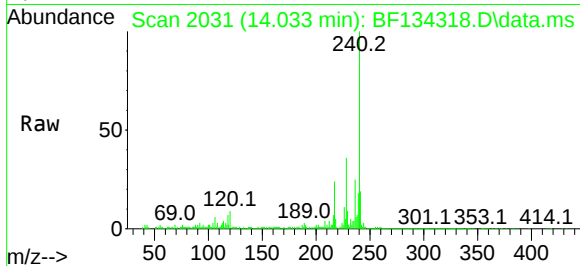




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

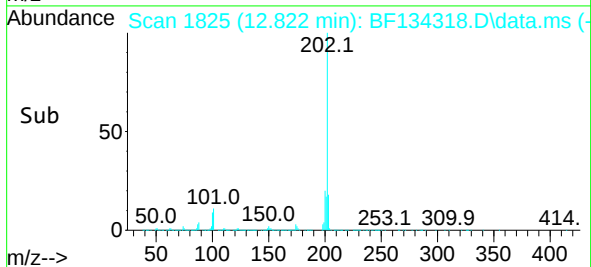
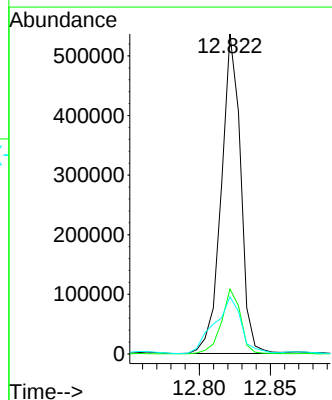
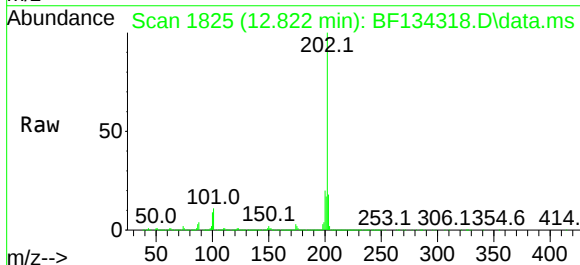
Instrument :
BNA_F
ClientSampleId :
VNJ-225DL

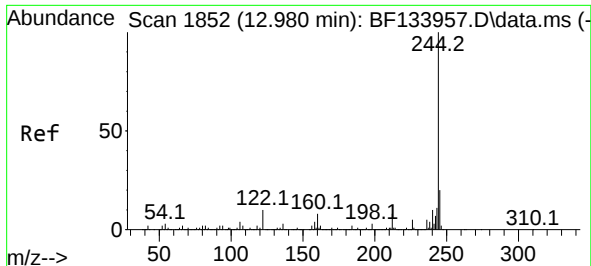
Tgt Ion:240 Resp: 162529
Ion Ratio Lower Upper
240 100
120 8.6 7.4 11.0
236 25.3 21.0 31.6



#78
Pyrene
Concen: 33.438 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Tgt Ion:202 Resp: 505768
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 17.8 14.3 21.5

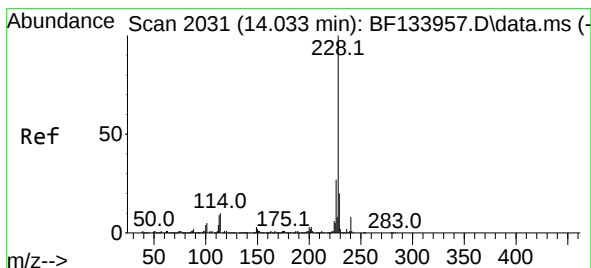
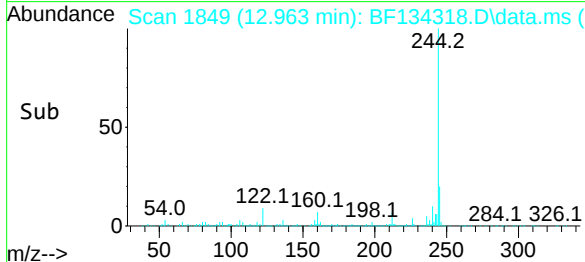
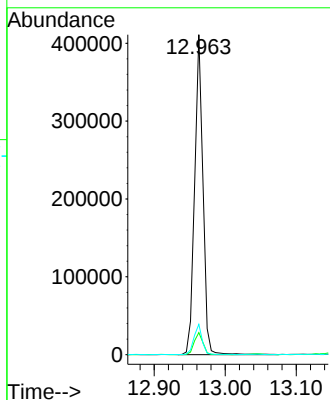
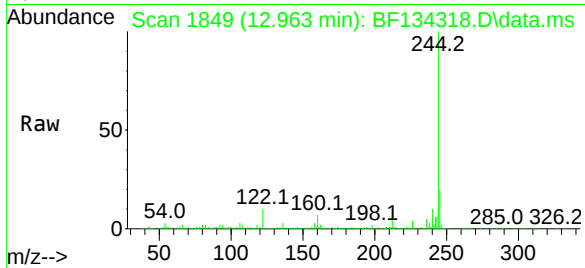




#79
 Terphenyl-d14
 Concen: 33.325 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.012 min
 Lab File: BF134318.D
 Acq: 17 Jul 2023 16:25

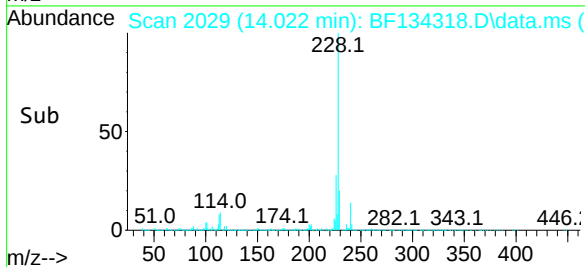
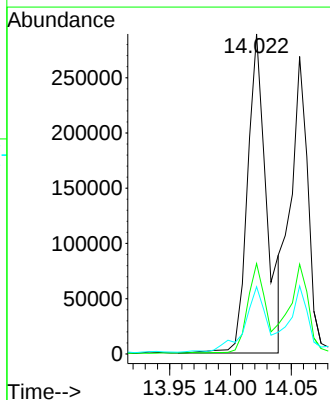
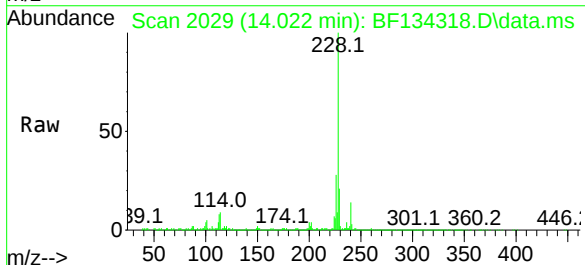
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225DL

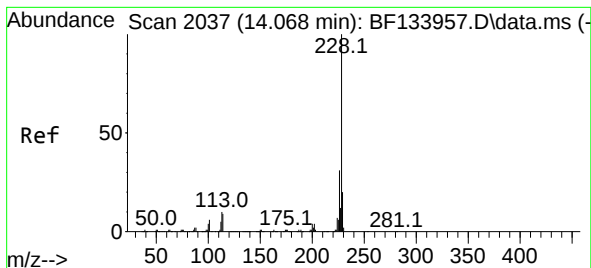
Tgt Ion:244 Resp: 336532
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.5 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 28.103 ng
 RT: 14.022 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF134318.D
 Acq: 17 Jul 2023 16:25

Tgt Ion:228 Resp: 316772
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.0 33.0
 229 21.0 16.3 24.5





#83

Chrysene

Concen: 24.354 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

Instrument :

BNA_F

ClientSampleId :

VNJ-225DL

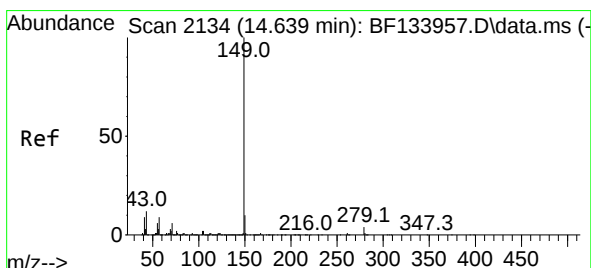
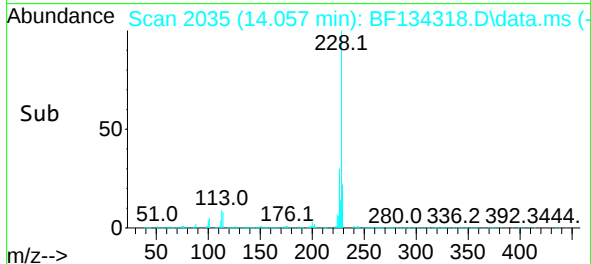
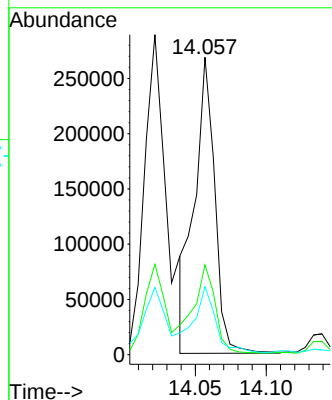
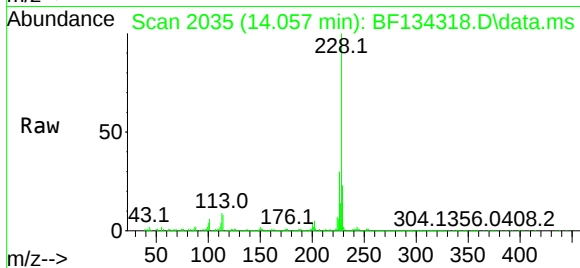
Tgt Ion:228 Resp: 265876

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 22.9 16.1 24.1



#85

Di-n-octyl phthalate

Concen: 2.031 ng

RT: 14.621 min Scan# 2131

Delta R.T. -0.012 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

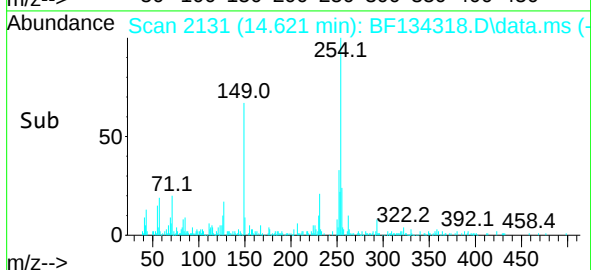
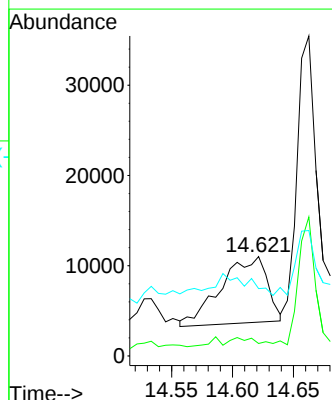
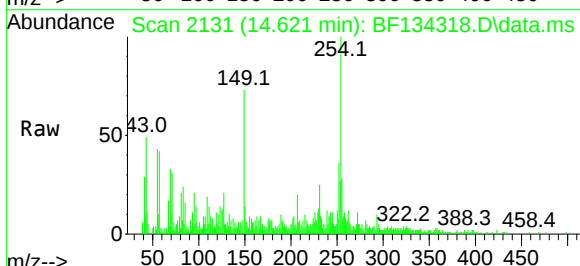
Tgt Ion:149 Resp: 19457

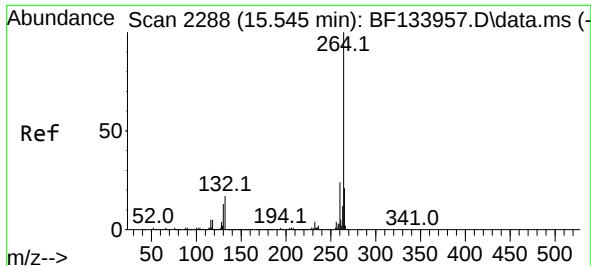
Ion Ratio Lower Upper

149 100

167 6.2 1.3 1.9#

43 0.0 9.0 13.4#

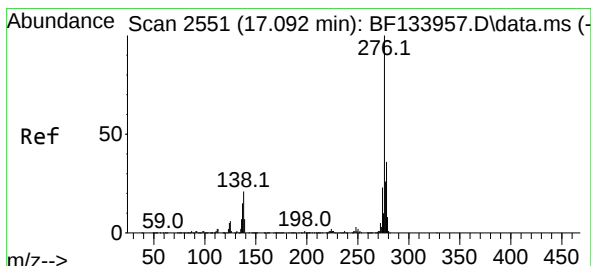
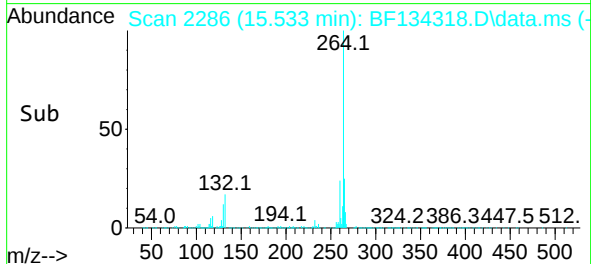
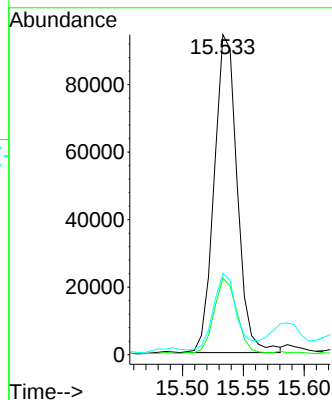
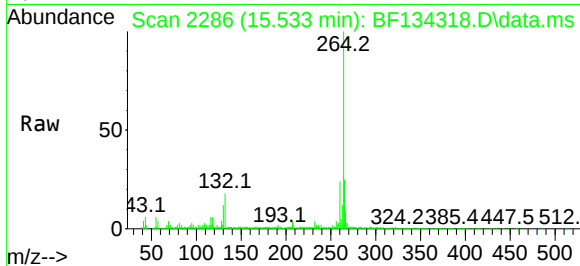




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

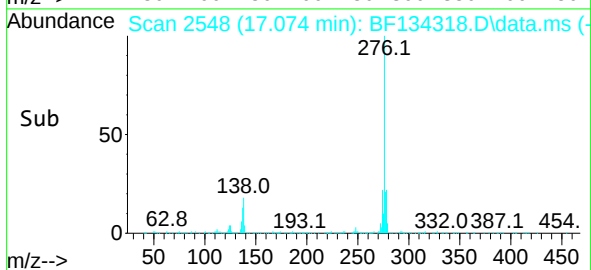
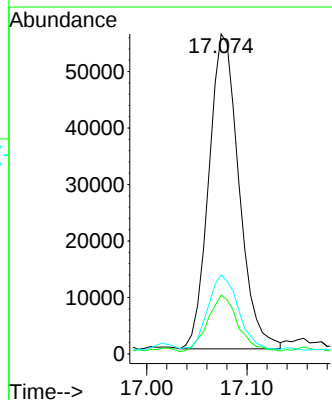
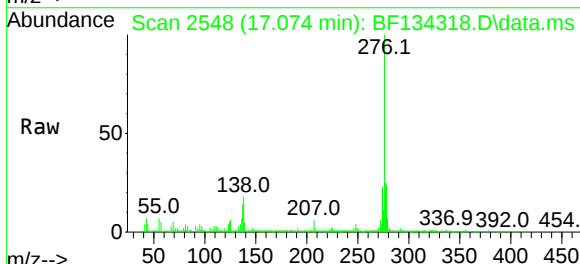
Instrument :
BNA_F
ClientSampleId :
VNJ-225DL

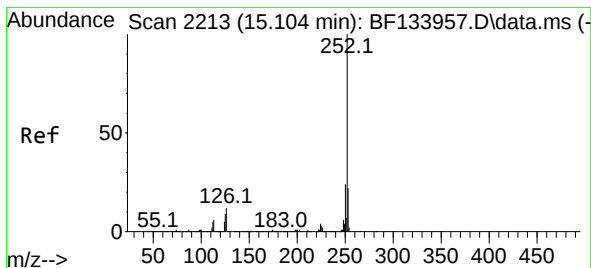
Tgt Ion:264 Resp: 123998
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 25.4 16.6 25.0#



#87
Indeno(1,2,3-cd)pyrene
Concen: 13.522 ng
RT: 17.074 min Scan# 2548
Delta R.T. -0.023 min
Lab File: BF134318.D
Acq: 17 Jul 2023 16:25

Tgt Ion:276 Resp: 116343
Ion Ratio Lower Upper
276 100
138 18.2 18.7 28.1#
277 23.7 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 70.518 ng

RT: 15.092 min Scan# 2111

Delta R.T. -0.012 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

Instrument :

BNA_F

ClientSampleId :

VNJ-225DL

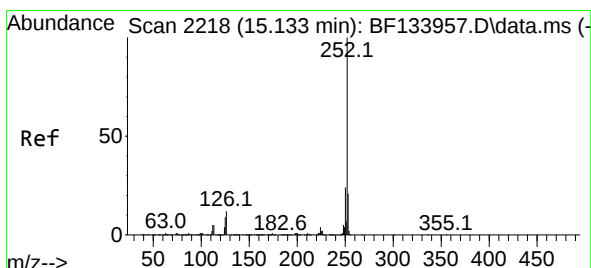
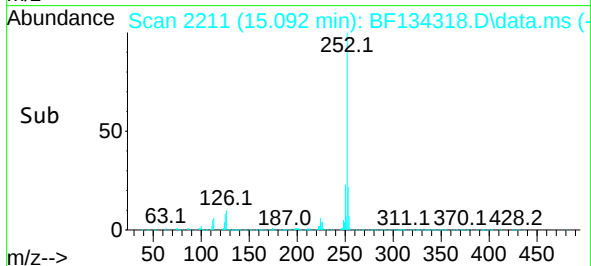
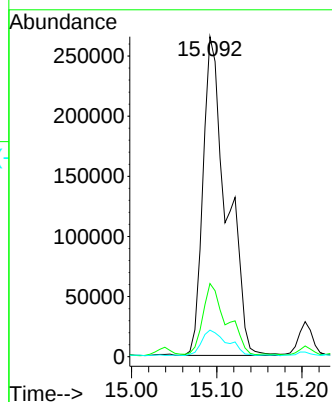
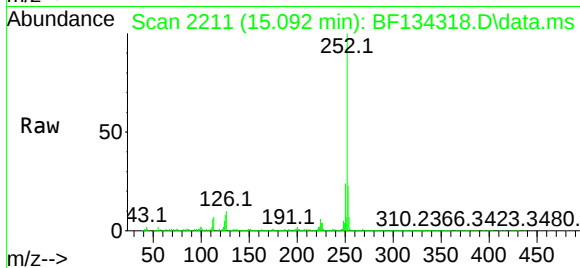
Tgt Ion:252 Resp: 514159

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 8.3 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 69.261 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.041 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

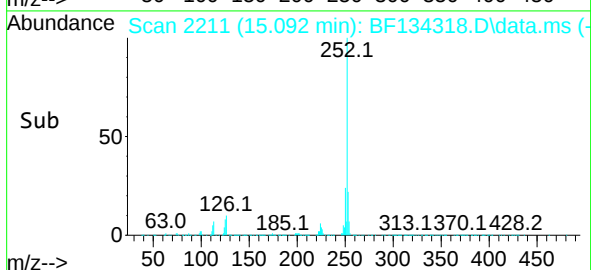
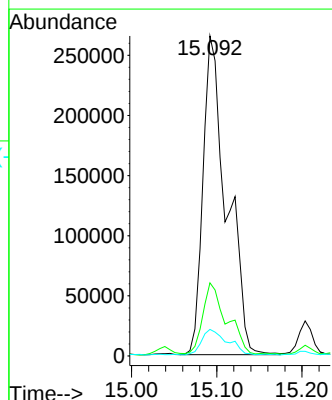
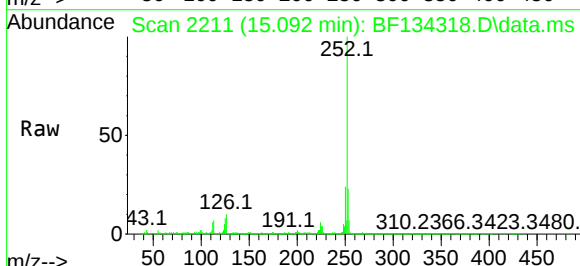
Tgt Ion:252 Resp: 514159

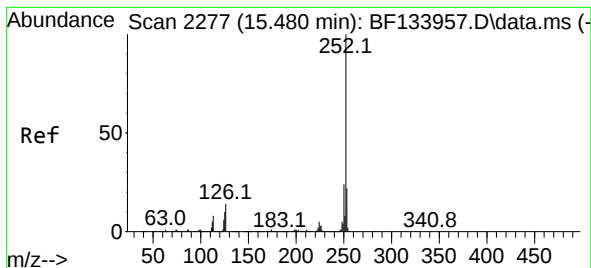
Ion Ratio Lower Upper

252 100

253 22.9 16.9 25.3

125 8.3 7.4 11.2





#90

Benzo(a)pyrene

Concen: 27.536 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

Instrument :

BNA_F

ClientSampleId :

VNJ-225DL

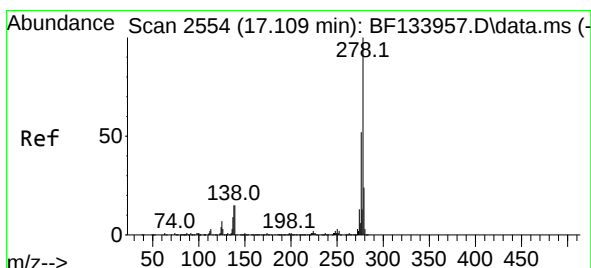
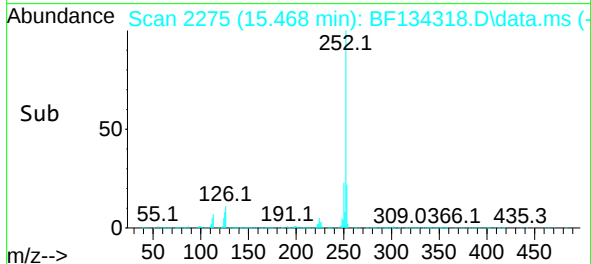
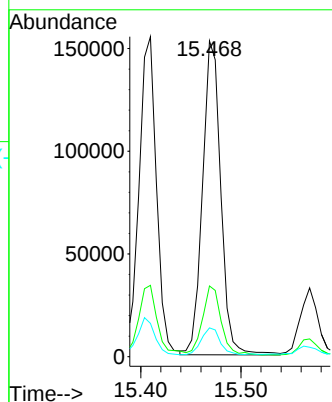
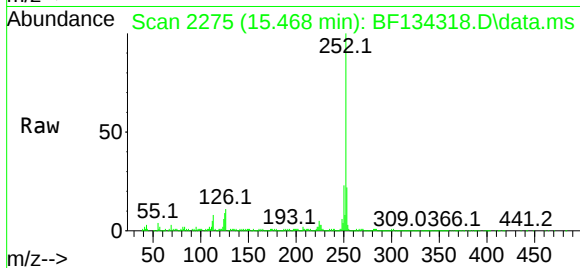
Tgt Ion:252 Resp: 194143

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 9.1 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 5.597 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.023 min

Lab File: BF134318.D

Acq: 17 Jul 2023 16:25

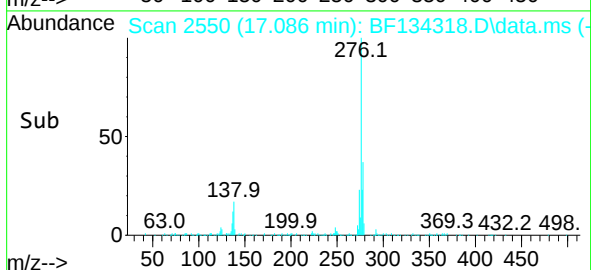
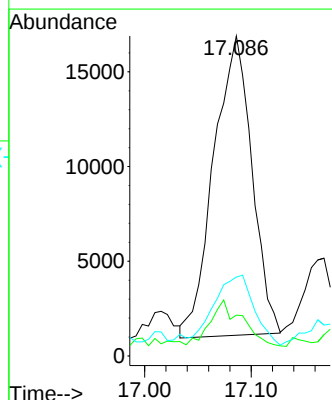
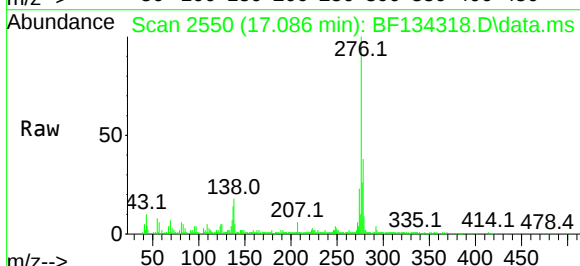
Tgt Ion:278 Resp: 39332

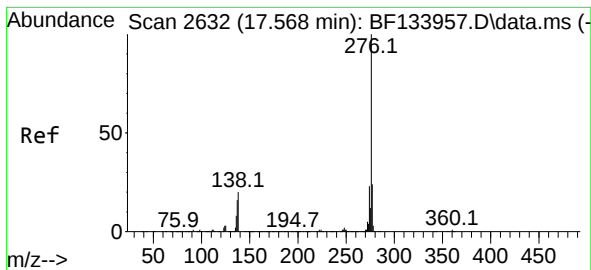
Ion Ratio Lower Upper

278 100

139 12.7 12.2 18.4

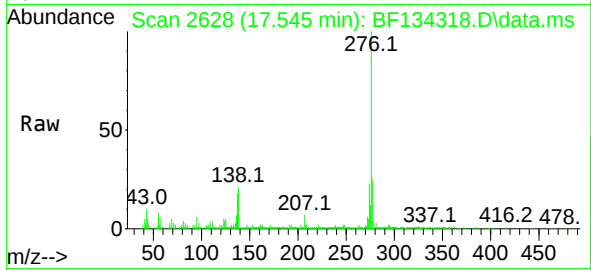
279 24.7 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 14.679 ng
 RT: 17.545 min Scan# 20
 Delta R.T. -0.023 min
 Lab File: BF134318.D
 Acq: 17 Jul 2023 16:25

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225DL



Tgt Ion:276 Resp: 106387

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.6
138	20.5	16.2	24.2

