

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042624\
 Data File : BF137744.D
 Acq On : 26 Apr 2024 20:01
 Operator : CG\JU
 Sample : P2274-02 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-209

Quant Time: Apr 26 23:04:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 03:57:12 2024
 Response via : Initial Calibration

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

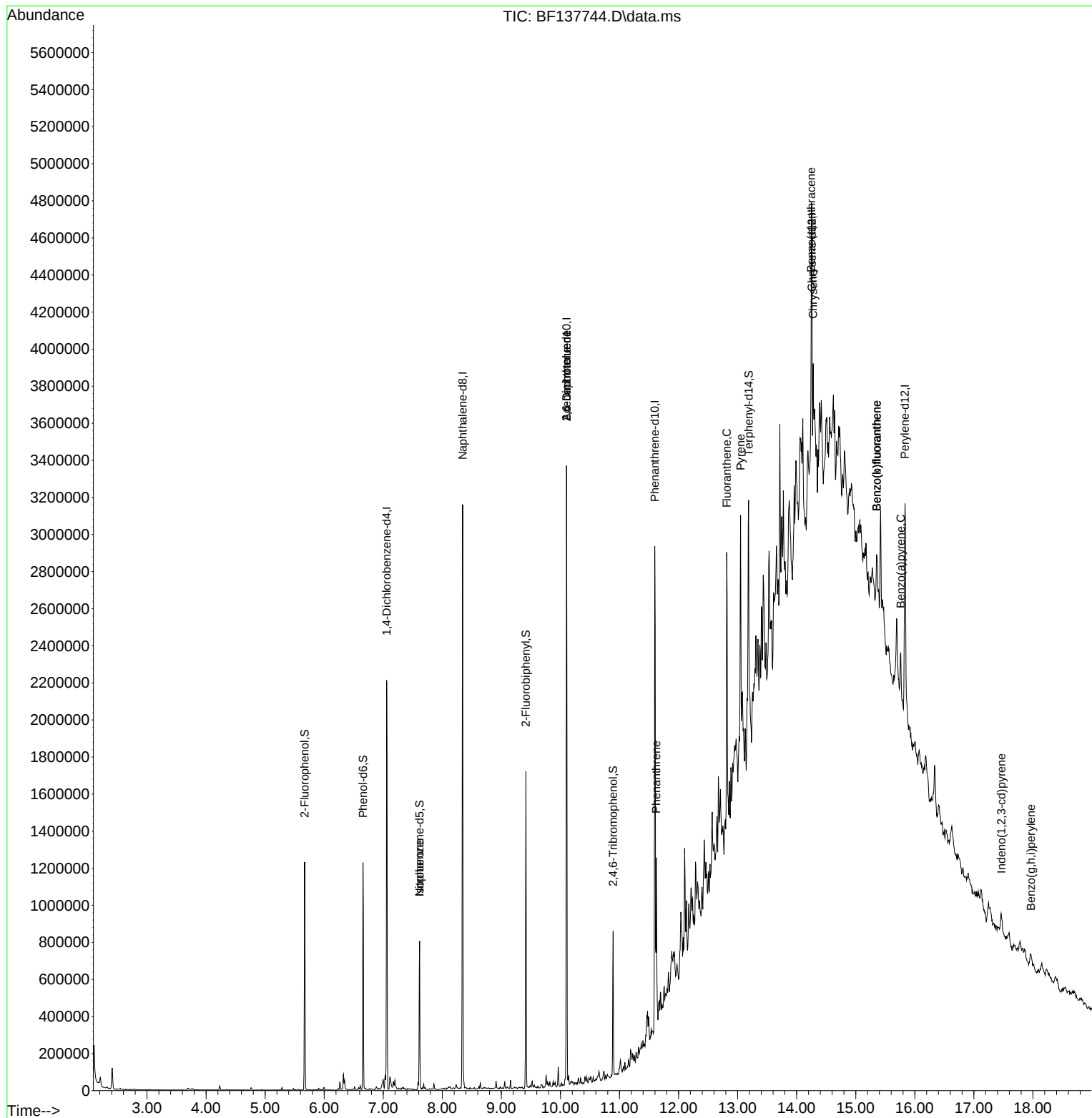
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	312691	20.000	ng	0.00
21) Naphthalene-d8	8.345	136	1235711	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	656280	20.000	ng	-0.01
64) Phenanthrene-d10	11.598	188	917831	20.000	ng	0.00
76) Chrysene-d12	14.257	240	560411	20.000	ng	# 0.00
86) Perylene-d12	15.833	264	579820	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	298902	14.521	ng	-0.01
7) Phenol-d6	6.657	99	376901	14.418	ng	-0.02
23) Nitrobenzene-d5	7.616	82	221516	9.516	ng	-0.01
42) 2,4,6-Tribromophenol	10.892	330	80157	12.104	ng	-0.01
45) 2-Fluorobiphenyl	9.416	172	453921	10.335	ng	-0.01
79) Terphenyl-d14	13.186	244	310518	8.918	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.616	82	220472	5.100	ng	# 64
51) 2,6-Dinitrotoluene	10.104	165	85120	8.835	ng	# 22
57) 2,4-Dinitrotoluene	10.104	165	85120	7.008	ng	# 24
71) Phenanthrene	11.622	178	249102	5.127	ng	98
75) Fluoranthene	12.816	202	415020	8.127	ng	98
78) Pyrene	13.051	202	416690	9.059	ng	98
81) Benzo(a)anthracene	14.245	228	169237	4.330	ng	92
83) Chrysene	14.280	228	204083	5.588	ng	97
87) Indeno(1,2,3-cd)pyrene	17.468	276	81141	2.524	ng	97
88) Benzo(b)fluoranthene	15.357	252	312220	8.415	ng	# 72
89) Benzo(k)fluoranthene	15.357	252	312220	8.561	ng	# 72
90) Benzo(a)pyrene	15.762	252	155297	4.666	ng	# 78
92) Benzo(g,h,i)perylene	17.968	276	80604	3.107	ng	# 90

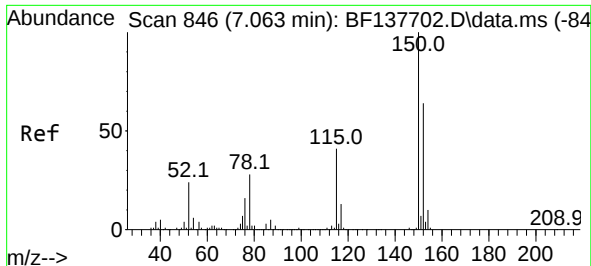
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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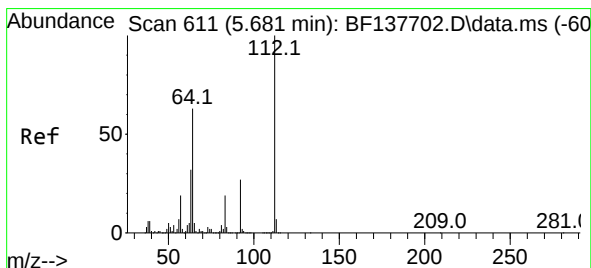
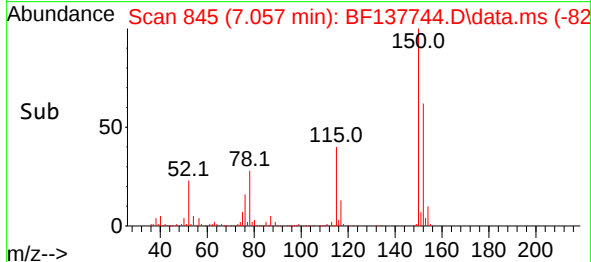
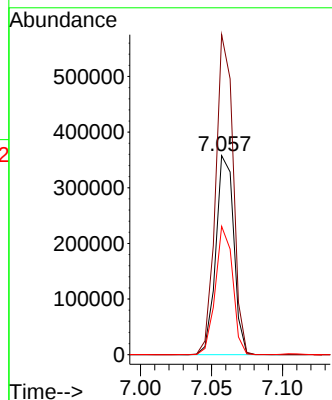
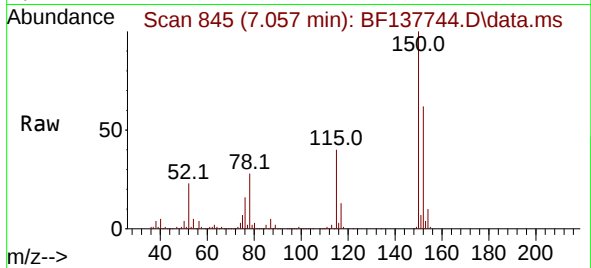




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

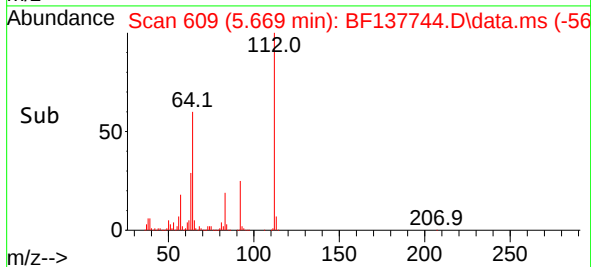
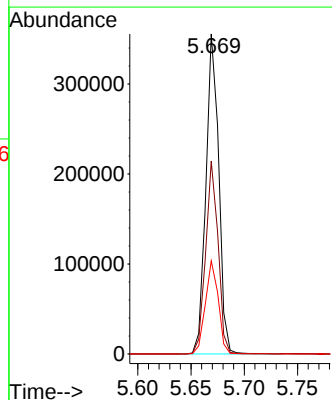
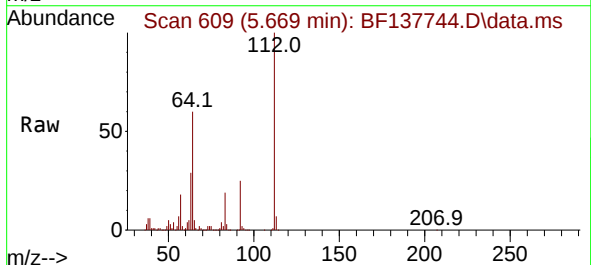
Instrument :
BNA_F
ClientSampleId :
VNJ-209

Tgt Ion:152 Resp: 312691
Ion Ratio Lower Upper
152 100
150 160.7 124.2 186.4
115 64.5 50.8 76.2



#5
2-Fluorophenol
Concen: 14.521 ng
RT: 5.669 min Scan# 609
Delta R.T. -0.012 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

Tgt Ion:112 Resp: 298902
Ion Ratio Lower Upper
112 100
64 60.2 50.1 75.1
63 29.1 25.2 37.8

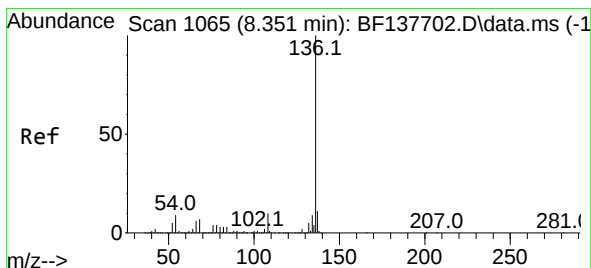
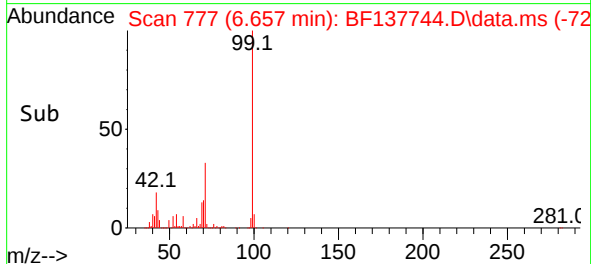
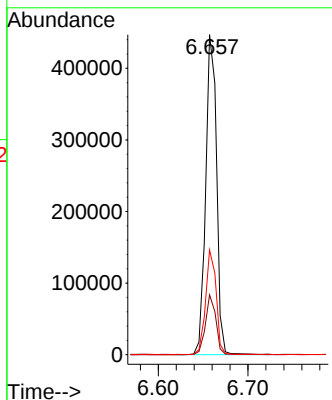
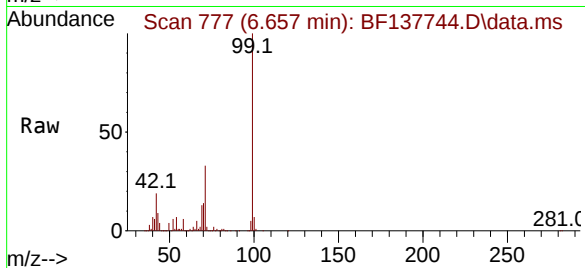




#7
Phenol-d6
Concen: 14.418 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

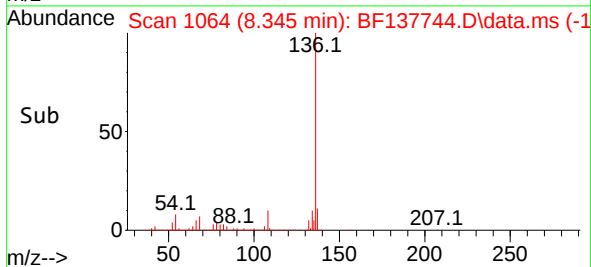
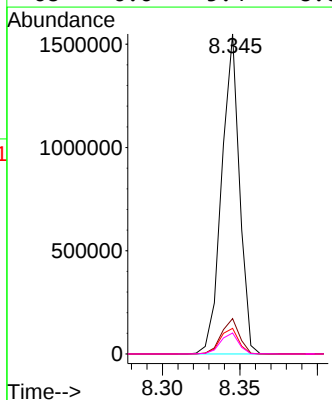
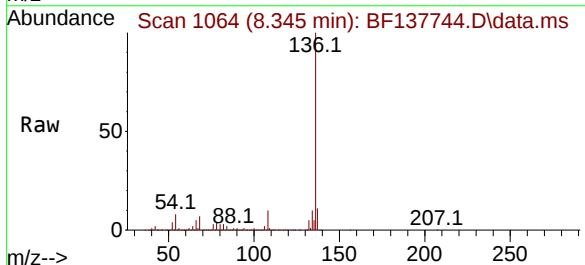
Instrument :
BNA_F
ClientSampleId :
VNJ-209

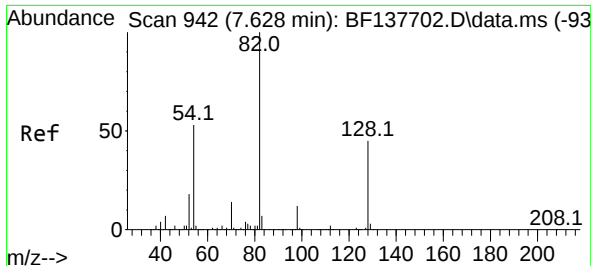
Tgt Ion: 99 Resp: 376901
Ion Ratio Lower Upper
99 100
42 18.7 15.0 22.4
71 32.7 25.7 38.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.345 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

Tgt Ion: 136 Resp: 1235711
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.0 6.9 10.3
68 6.6 5.4 8.0





#23

Nitrobenzene-d5

Concen: 9.516 ng

RT: 7.616 min Scan# 940

Delta R.T. -0.012 min

Lab File: BF137744.D

Acq: 26 Apr 2024 20:01

Instrument :

BNA_F

ClientSampleId :

VNJ-209

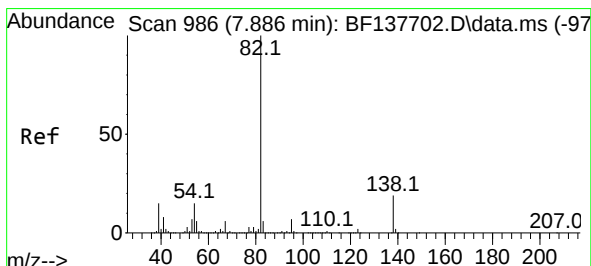
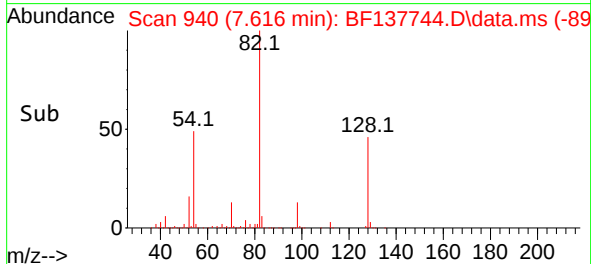
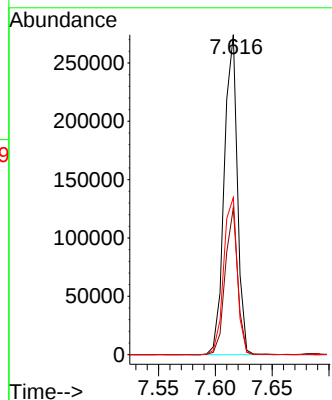
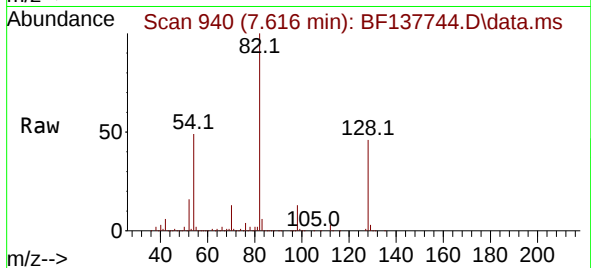
Tgt Ion: 82 Resp: 221516

Ion Ratio Lower Upper

82 100

128 45.9 35.8 53.6

54 49.1 42.5 63.7



#25

Isophorone

Concen: 5.100 ng

RT: 7.616 min Scan# 940

Delta R.T. -0.271 min

Lab File: BF137744.D

Acq: 26 Apr 2024 20:01

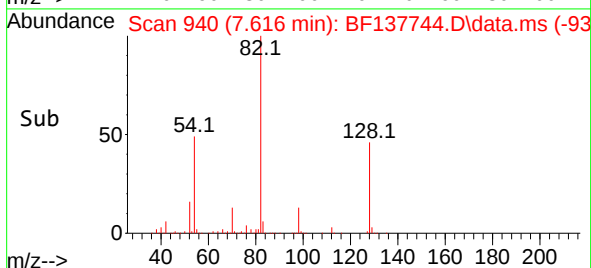
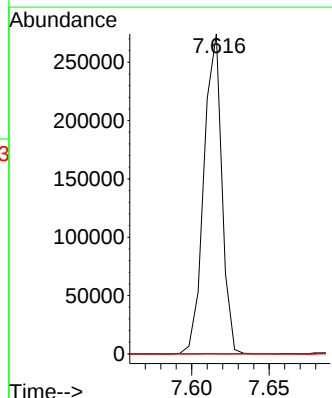
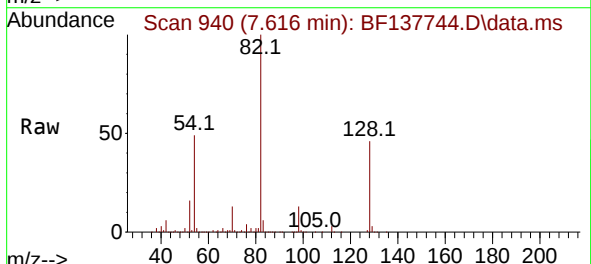
Tgt Ion: 82 Resp: 220472

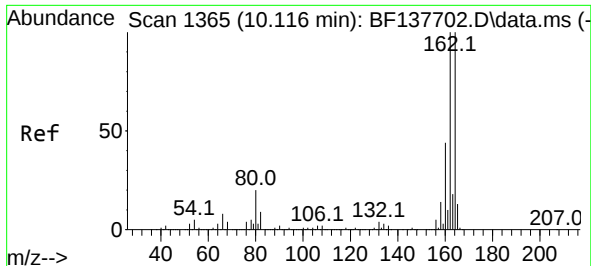
Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

138 0.0 15.3 22.9#

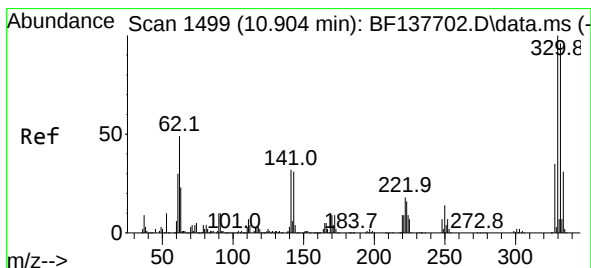
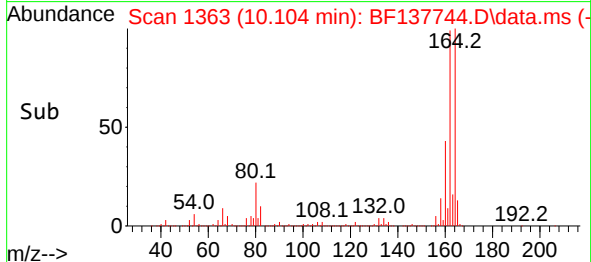
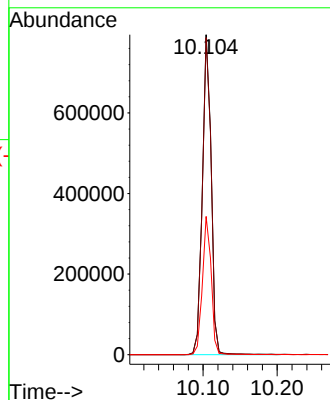
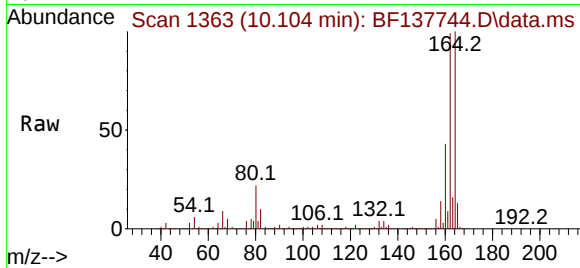




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

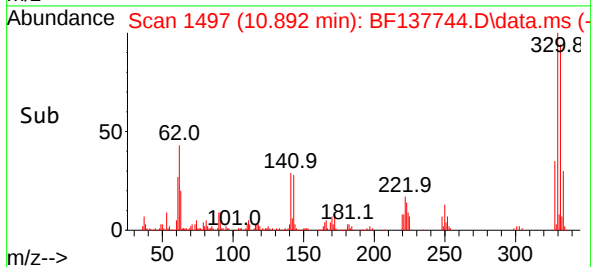
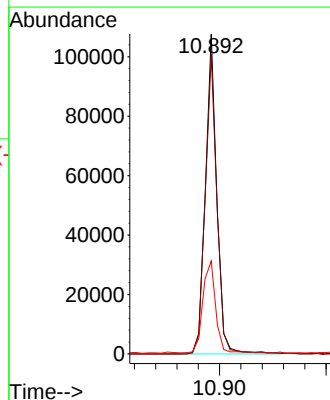
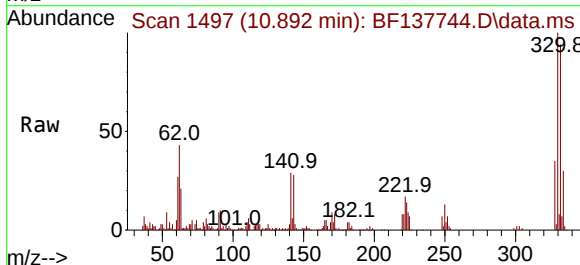
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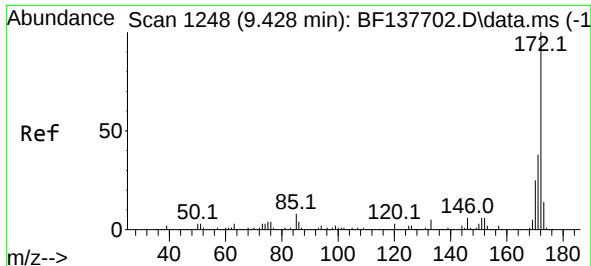
Tgt Ion:164 Resp: 656280
Ion Ratio Lower Upper
164 100
162 99.1 80.3 120.5
160 43.2 35.0 52.4



#42
2,4,6-Tribromophenol
Concen: 12.104 ng
RT: 10.892 min Scan# 1497
Delta R.T. -0.012 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

Tgt Ion:330 Resp: 80157
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 32.1 27.0 40.4

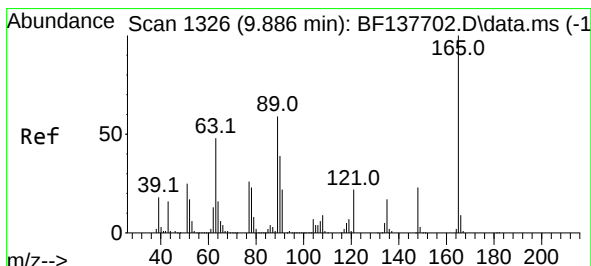
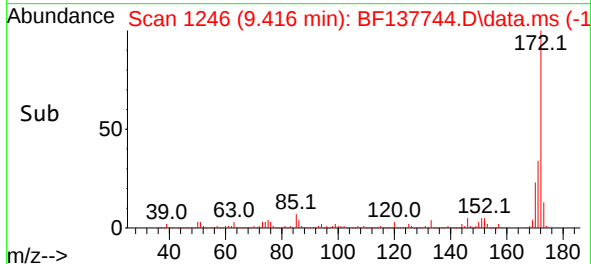
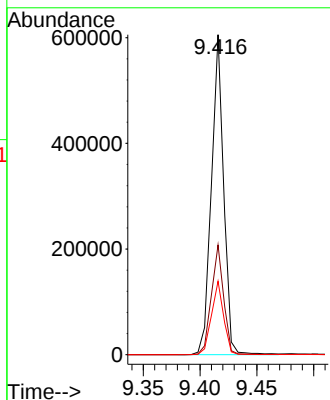
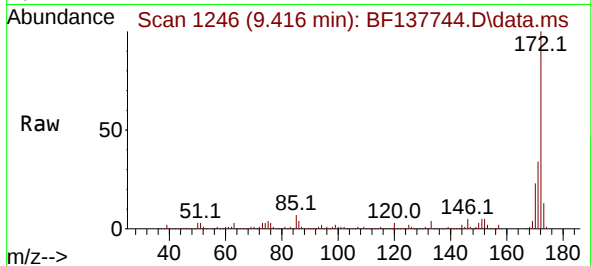




#45
2-Fluorobiphenyl
Concen: 10.335 ng
RT: 9.416 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

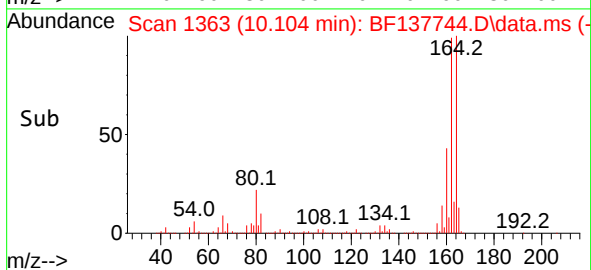
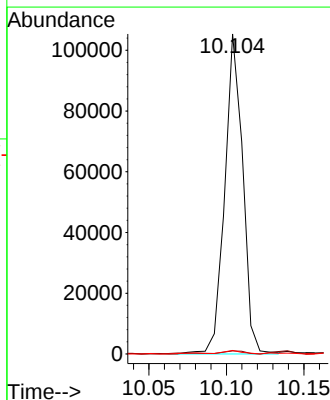
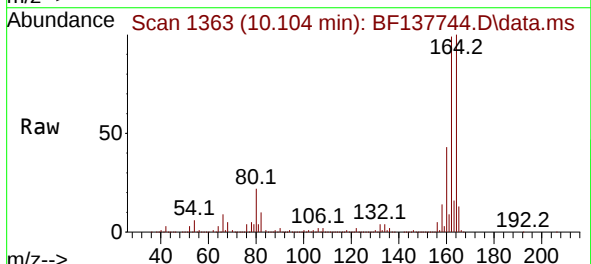
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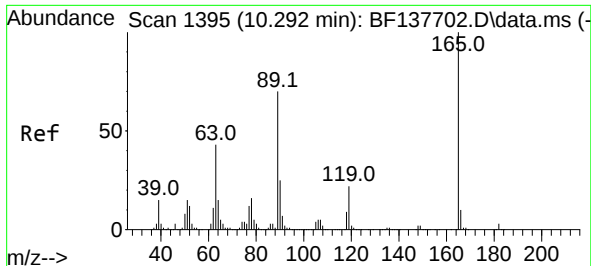
Tgt Ion:172 Resp: 453921
Ion Ratio Lower Upper
172 100
171 34.3 30.2 45.4
170 22.9 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.835 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.218 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

Tgt Ion:165 Resp: 85120
Ion Ratio Lower Upper
165 100
63 1.0 47.7 71.5#
89 1.1 47.3 70.9#

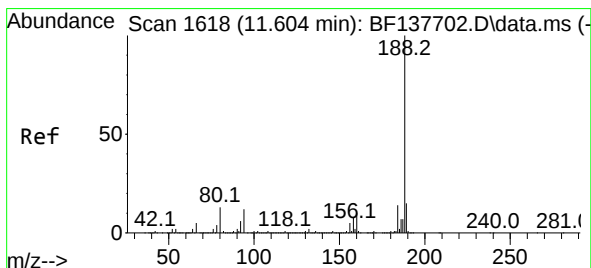
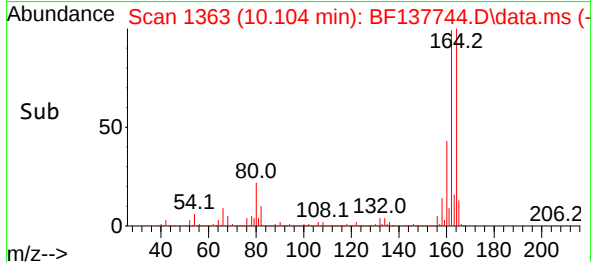
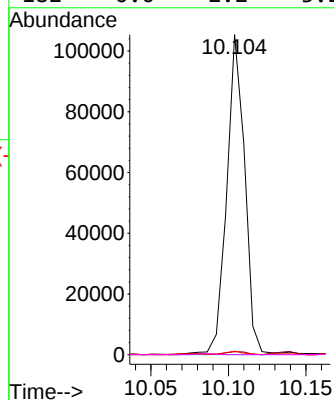
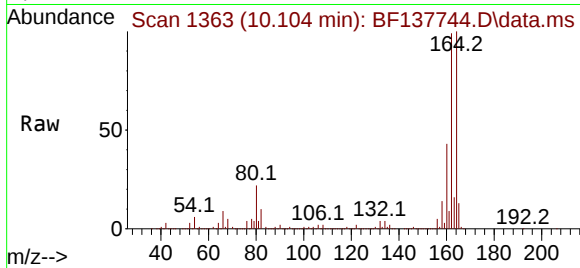




#57
2,4-Dinitrotoluene
Concen: 7.008 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

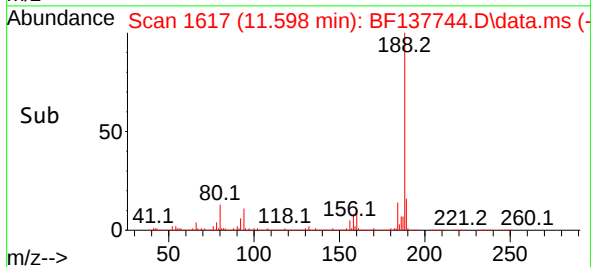
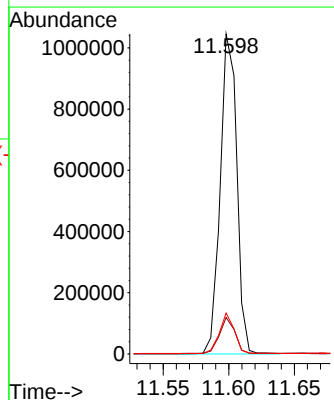
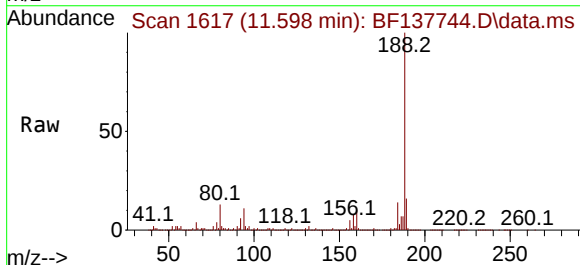
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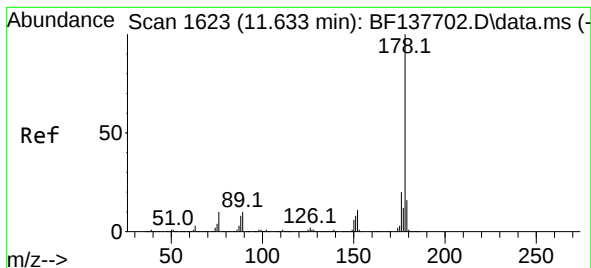
Tgt Ion:165 Resp: 85120
Ion Ratio Lower Upper
165 100
63 1.0 34.1 51.1#
89 1.1 56.4 84.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

Tgt Ion:188 Resp: 917831
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 12.8 10.2 15.4

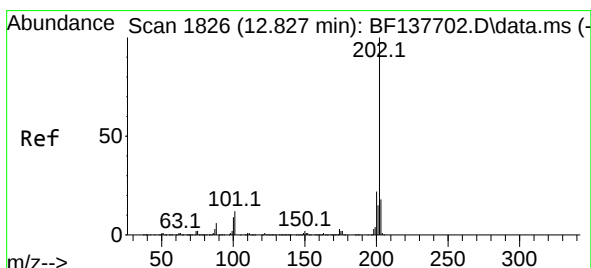
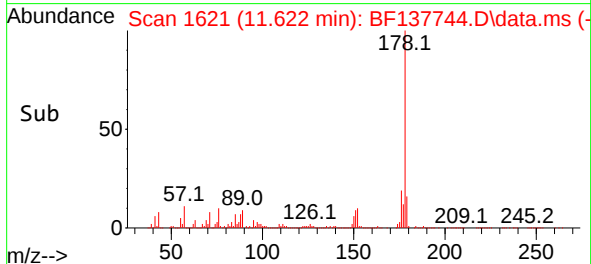
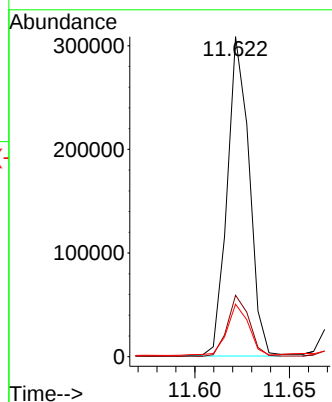
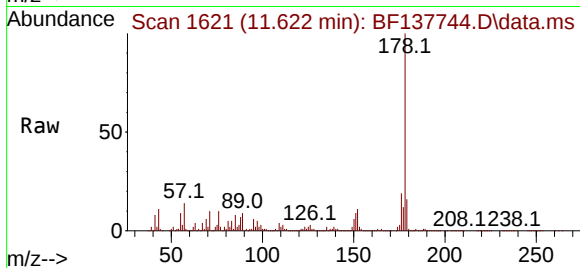




#71
Phenanthrene
Concen: 5.127 ng
RT: 11.622 min Scan# 1621
Delta R.T. -0.012 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

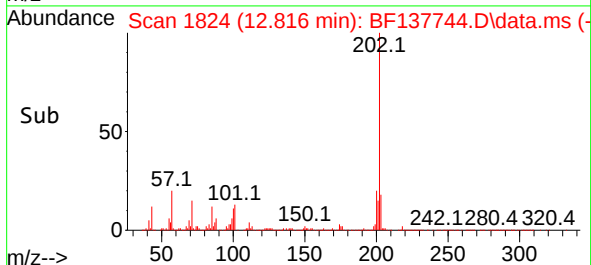
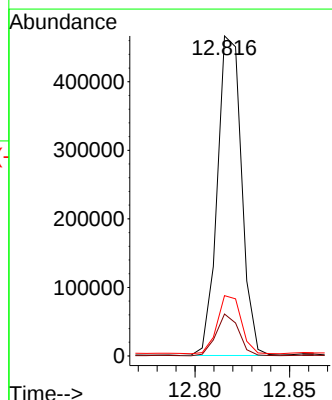
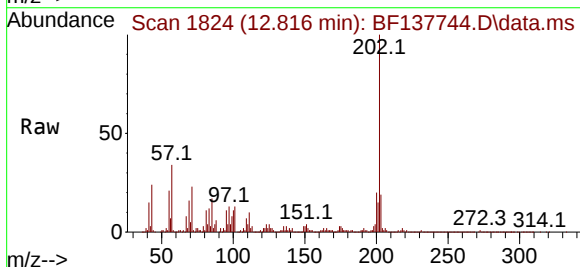
Instrument :
BNA_F
ClientSampleId :
VNJ-209

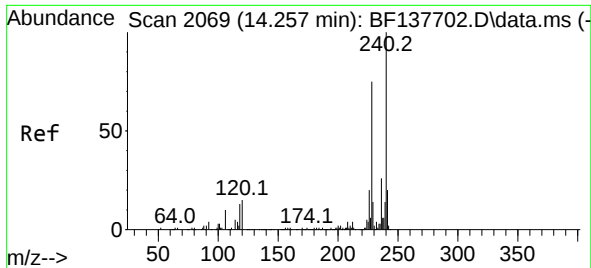
Tgt Ion:178 Resp: 249102
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 16.4 12.8 19.2



#75
Fluoranthene
Concen: 8.127 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

Tgt Ion:202 Resp: 415020
Ion Ratio Lower Upper
202 100
101 13.1 0.0 32.2
203 18.8 0.0 38.1

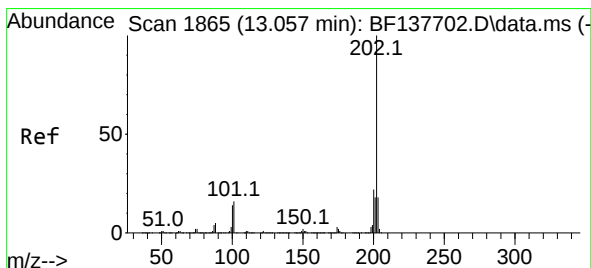
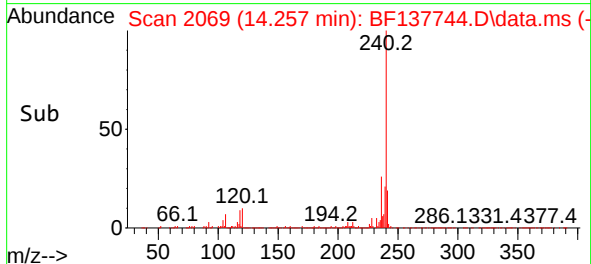
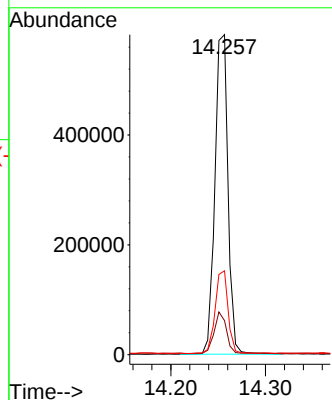
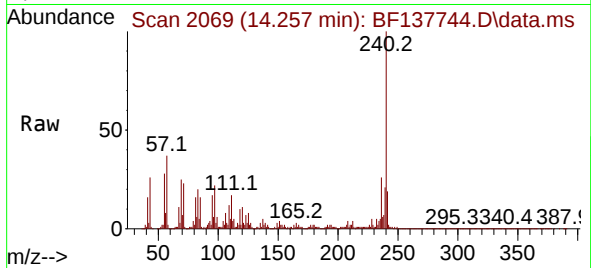




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.257 min Scan# 2069
Delta R.T. 0.000 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

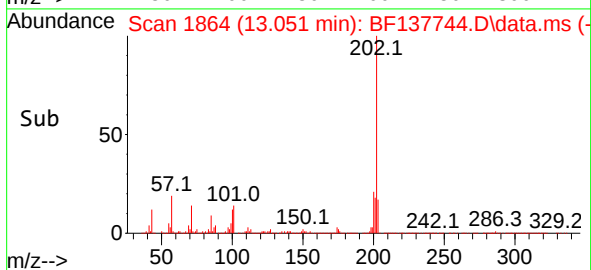
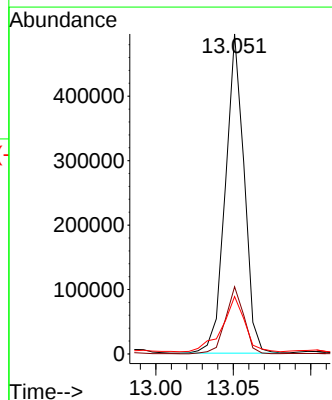
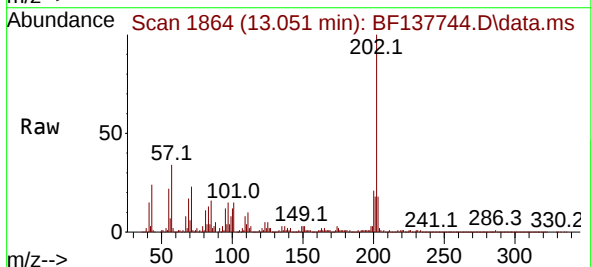
Instrument :
BNA_F
ClientSampleId :
VNJ-209

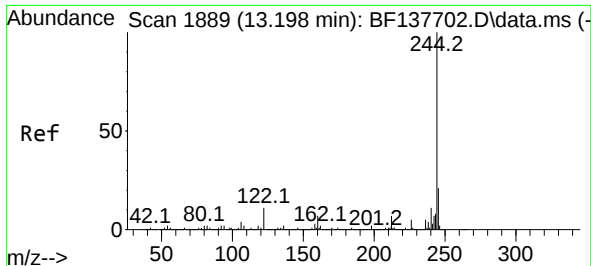
Tgt Ion:240 Resp: 560411
Ion Ratio Lower Upper
240 100
120 10.6 11.9 17.9#
236 26.2 20.8 31.2



#78
Pyrene
Concen: 9.059 ng
RT: 13.051 min Scan# 1864
Delta R.T. -0.006 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

Tgt Ion:202 Resp: 416690
Ion Ratio Lower Upper
202 100
200 21.0 17.8 26.6
203 17.9 14.6 21.8

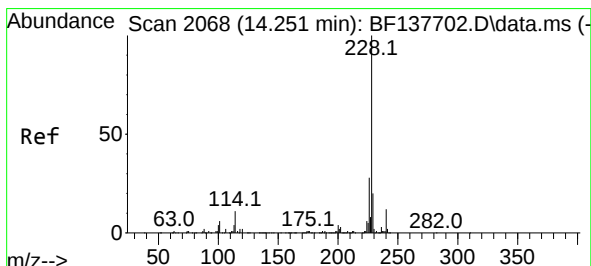
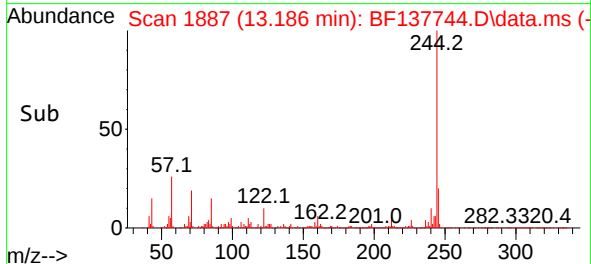
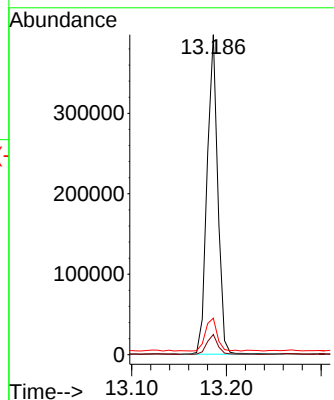
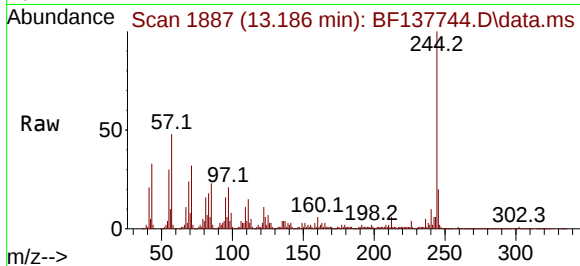




#79
 Terphenyl-d14
 Concen: 8.918 ng
 RT: 13.186 min Scan# 1887
 Delta R.T. -0.012 min
 Lab File: BF137744.D
 Acq: 26 Apr 2024 20:01

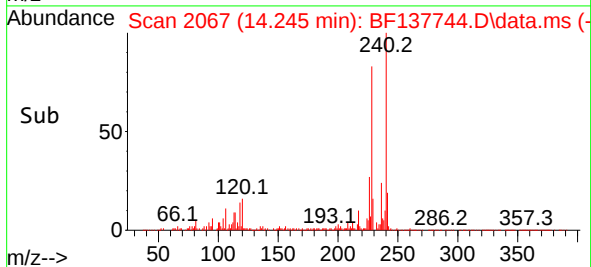
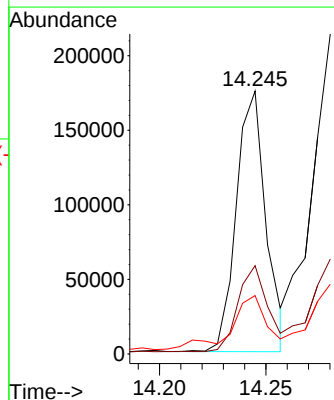
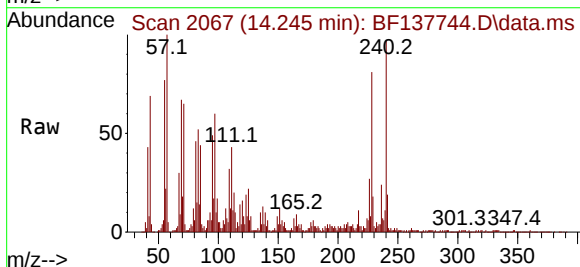
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-209

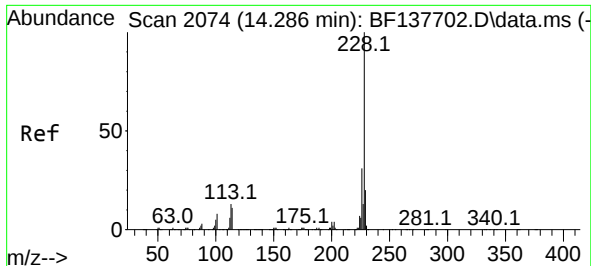
Tgt Ion:244 Resp: 310518
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.5 8.3
 122 11.4 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 4.330 ng
 RT: 14.245 min Scan# 2067
 Delta R.T. -0.006 min
 Lab File: BF137744.D
 Acq: 26 Apr 2024 20:01

Tgt Ion:228 Resp: 169237
 Ion Ratio Lower Upper
 228 100
 226 33.6 22.7 34.1
 229 22.2 16.0 24.0

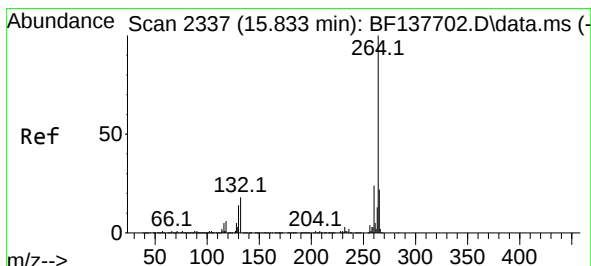
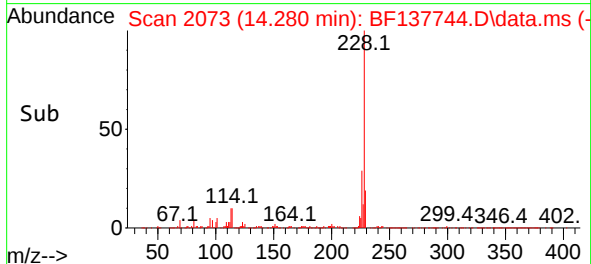
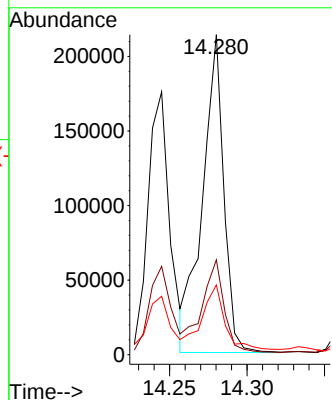
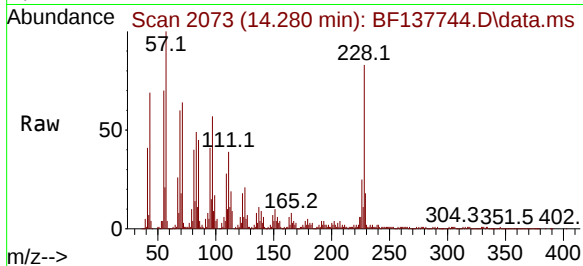




#83
Chrysene
Concen: 5.588 ng
RT: 14.280 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

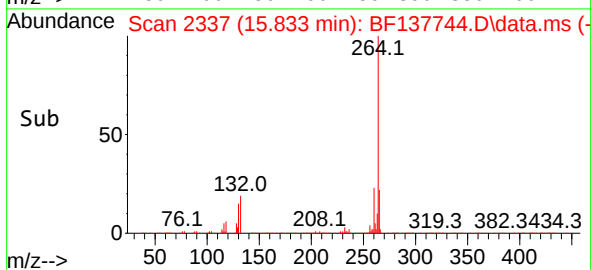
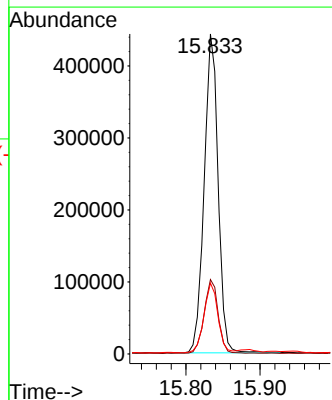
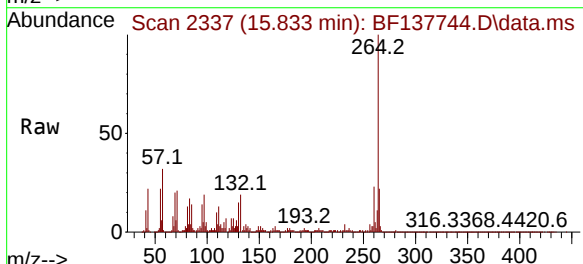
Instrument :
BNA_F
ClientSampleId :
VNJ-209

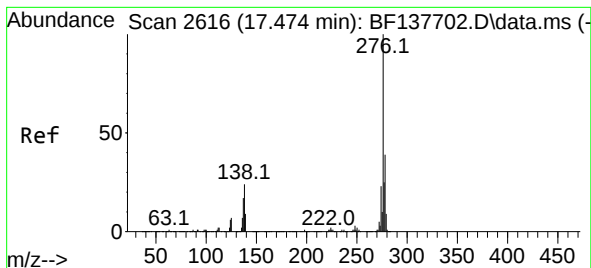
Tgt Ion:228 Resp: 204083
Ion Ratio Lower Upper
228 100
226 29.7 24.7 37.1
229 21.8 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.833 min Scan# 2337
Delta R.T. 0.000 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

Tgt Ion:264 Resp: 579820
Ion Ratio Lower Upper
264 100
260 23.3 19.4 29.2
265 22.1 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.524 ng

RT: 17.468 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137744.D

Acq: 26 Apr 2024 20:01

Instrument :

BNA_F

ClientSampleId :

VNJ-209

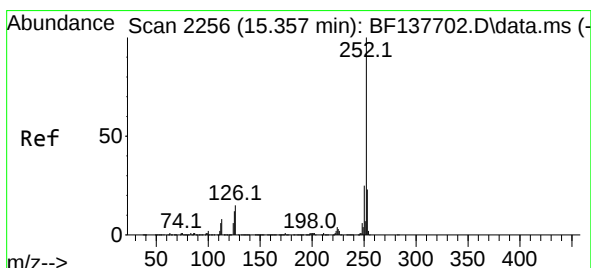
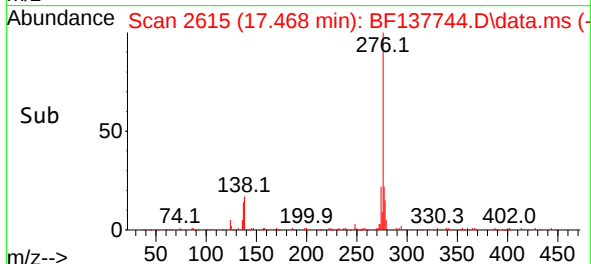
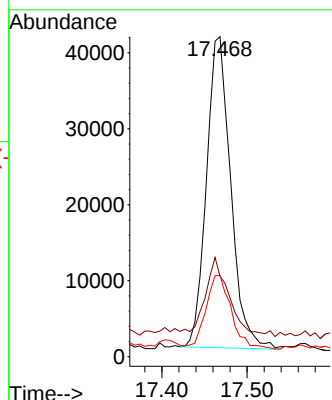
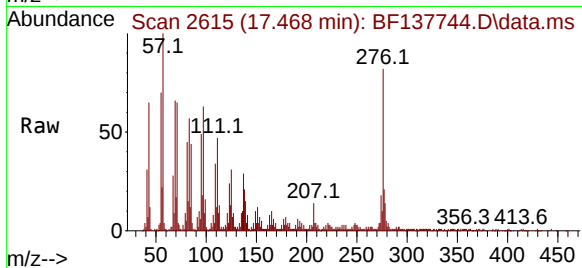
Tgt Ion:276 Resp: 81141

Ion Ratio Lower Upper

276 100

138 24.9 22.3 33.5

277 24.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 8.415 ng

RT: 15.357 min Scan# 2256

Delta R.T. -0.000 min

Lab File: BF137744.D

Acq: 26 Apr 2024 20:01

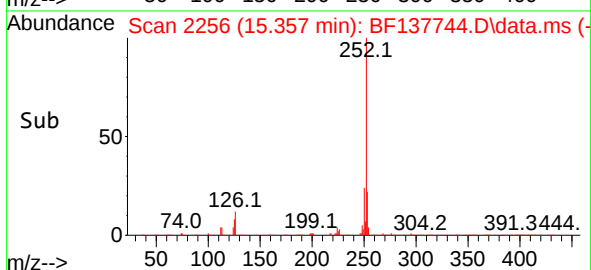
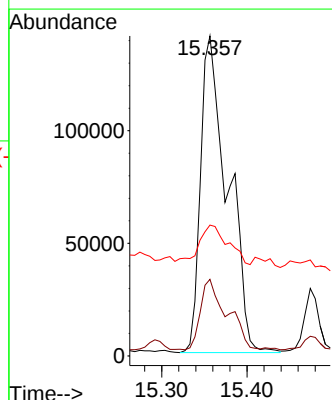
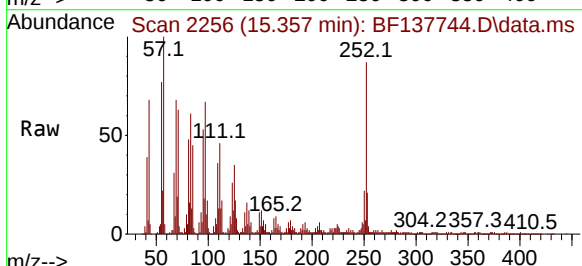
Tgt Ion:252 Resp: 312220

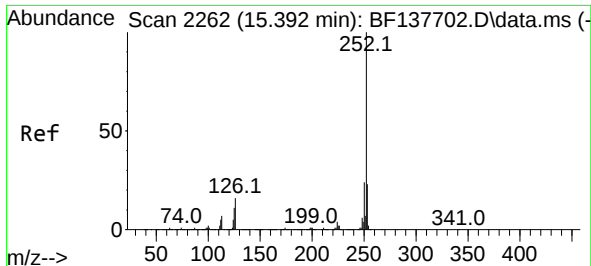
Ion Ratio Lower Upper

252 100

253 24.0 18.1 27.1

125 40.9 9.2 13.8#





#89

Benzo(k)fluoranthene

Concen: 8.561 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF137744.D

Acq: 26 Apr 2024 20:01

Instrument :

BNA_F

ClientSampleId :

VNJ-209

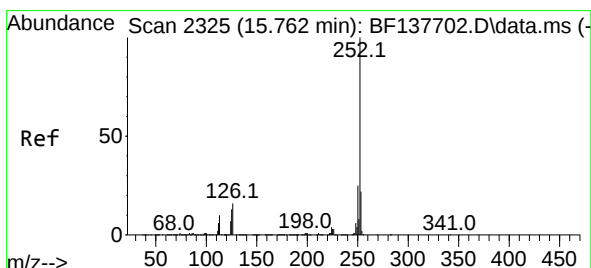
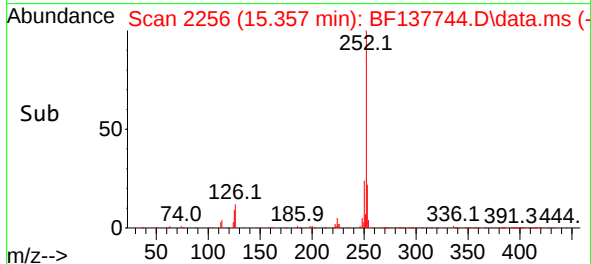
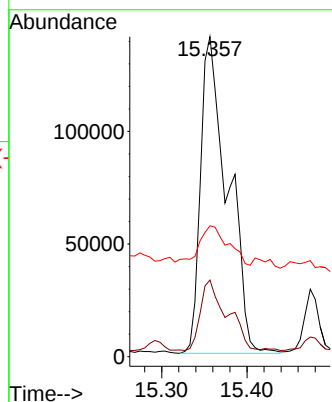
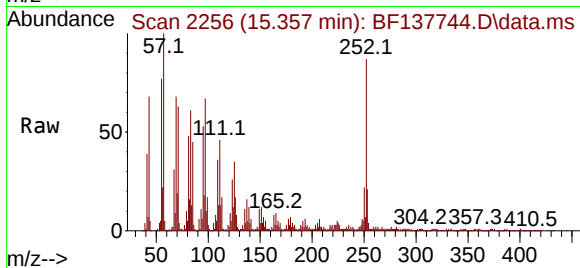
Tgt Ion:252 Resp: 312220

Ion Ratio Lower Upper

252 100

253 24.0 18.0 27.0

125 40.9 9.0 13.6#



#90

Benzo(a)pyrene

Concen: 4.666 ng

RT: 15.762 min Scan# 2325

Delta R.T. 0.000 min

Lab File: BF137744.D

Acq: 26 Apr 2024 20:01

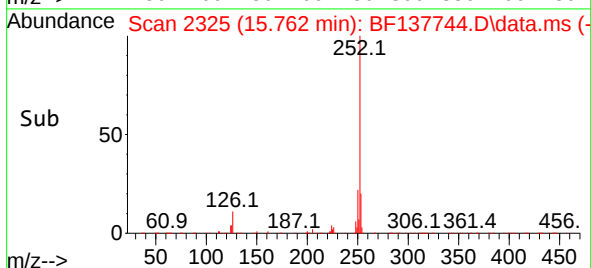
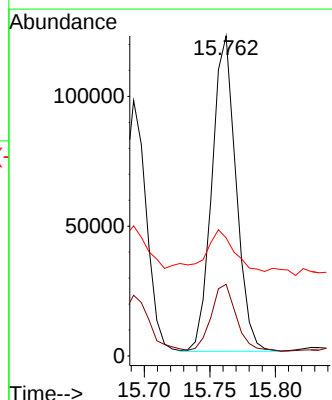
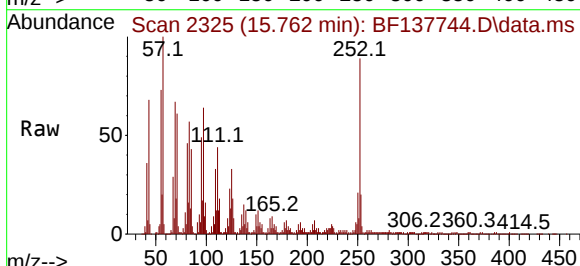
Tgt Ion:252 Resp: 155297

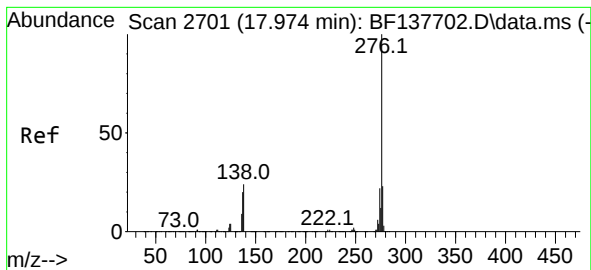
Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 36.9 10.2 15.2#





#92

Benzo(g,h,i)perylene

Concen: 3.107 ng

RT: 17.968 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137744.D

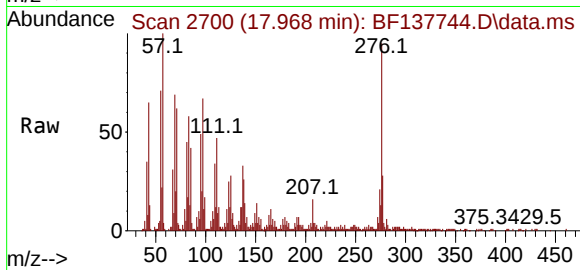
Acq: 26 Apr 2024 20:01

Instrument :

BNA_F

ClientSampleId :

VNJ-209



Tgt Ion:276 Resp: 80604

Ion Ratio Lower Upper

276 100

277 29.2 18.5 27.7#

138 27.9 19.5 29.3

