

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020524\
 Data File : BF137287.D
 Acq On : 05 Feb 2024 20:47
 Operator : CG\JU
 Sample : P1356-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 01:18:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

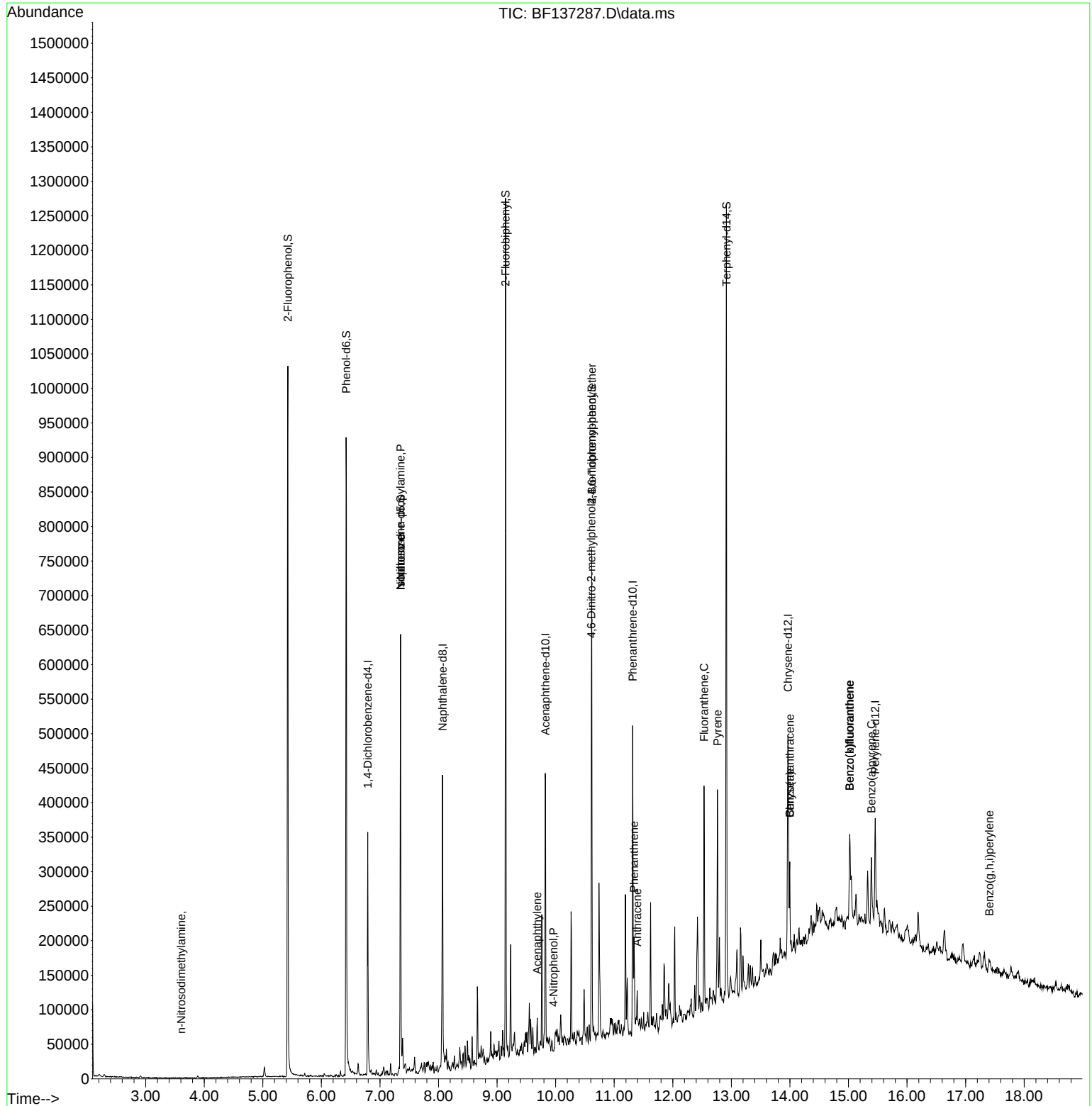
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	46749	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	163228	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	82714	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	162689	20.000	ng	0.00
76) Chrysene-d12	13.968	240	89038	20.000	ng	0.00
86) Perylene-d12	15.456	264	82793	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	265250	93.624	ng	0.01
7) Phenol-d6	6.422	99	328314	81.202	ng	0.00
23) Nitrobenzene-d5	7.351	82	205154	56.271	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	79067	84.642	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	340381	56.570	ng	0.00
79) Terphenyl-d14	12.915	244	390441	59.613	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.604	42	64	6.096	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	25934	9.355	ng	# 76
25) Isophorone	7.351	82	205153	30.486	ng	# 68
49) Acenaphthylene	9.686	152	17909	2.297	ng	99
56) 4-Nitrophenol	9.963	139	228	8.721	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.610	198	172	5.632	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	5646	3.156	ng	# 1
71) Phenanthrene	11.339	178	47059	5.525	ng	100
72) Anthracene	11.392	178	19065	2.148	ng	99
75) Fluoranthene	12.533	202	128426	14.410	ng	99
78) Pyrene	12.763	202	129957	15.188	ng	99
81) Benzo(a)anthracene	13.998	228	64904	10.293	ng	96
83) Chrysene	13.998	228	64904	10.469	ng	99
88) Benzo(b)fluoranthene	15.021	252	96951	19.041	ng	# 95
89) Benzo(k)fluoranthene	15.021	252	96951	17.999	ng	# 93
90) Benzo(a)pyrene	15.392	252	55699	11.624	ng	# 95
92) Benzo(g,h,i)perylene	17.403	276	24178	5.285	ng	# 87

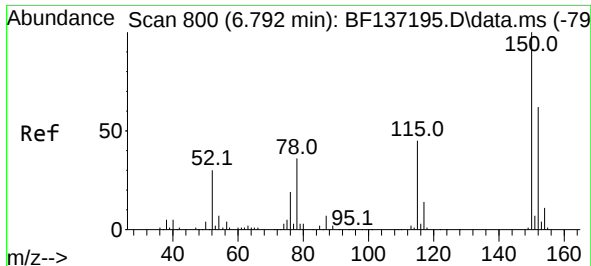
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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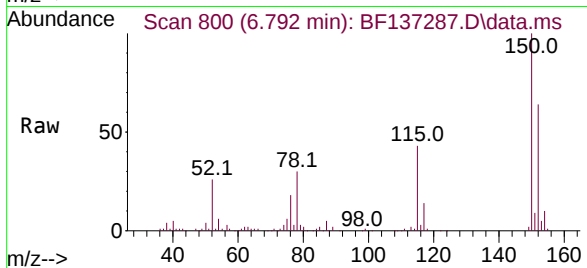
Quant Time: Feb 06 01:18:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 04:56:22 2024
Response via : Initial Calibration



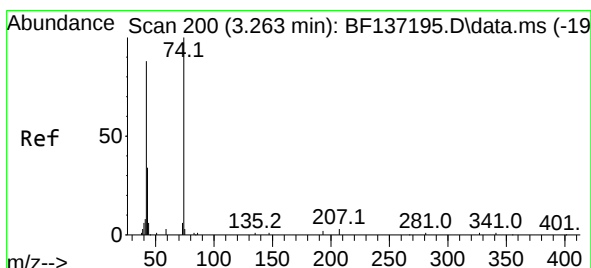
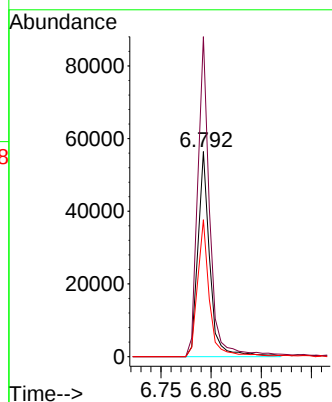
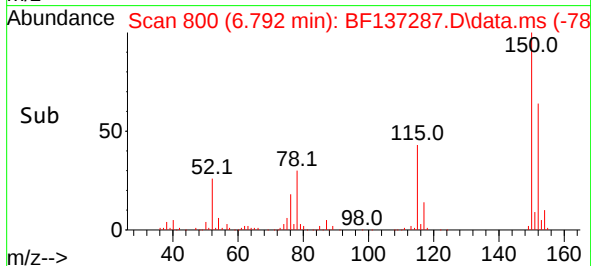


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

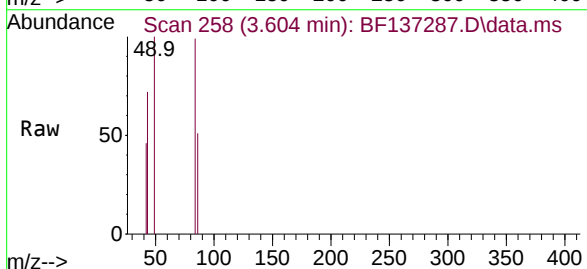
Instrument :
BNA_F
ClientSampleId :



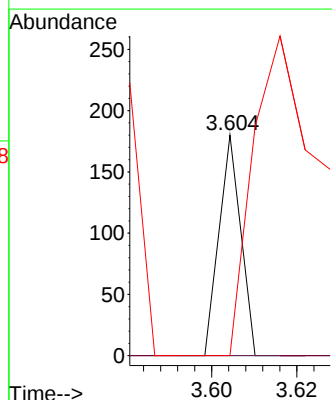
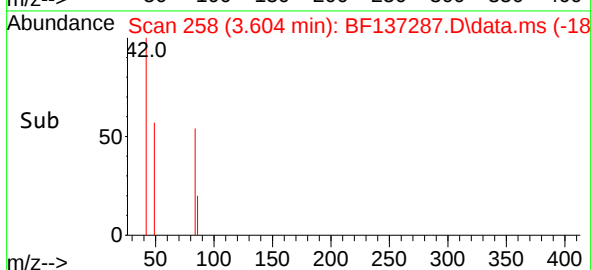
Tgt Ion:152 Resp: 46749
Ion Ratio Lower Upper
152 100
150 156.1 129.8 194.8
115 66.7 58.5 87.7

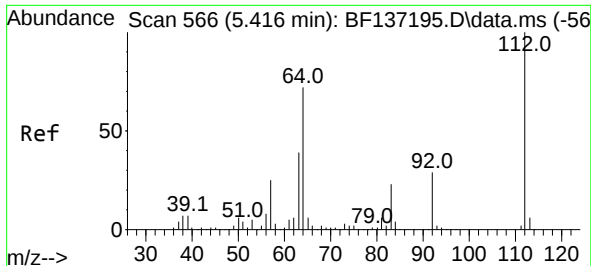


#4
n-Nitrosodimethylamine
Concen: 6.096 ng
RT: 3.604 min Scan# 258
Delta R.T. 0.341 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47



Tgt Ion: 42 Resp: 64
Ion Ratio Lower Upper
42 100
74 0.0 90.5 135.7#
44 0.0 6.1 9.1#

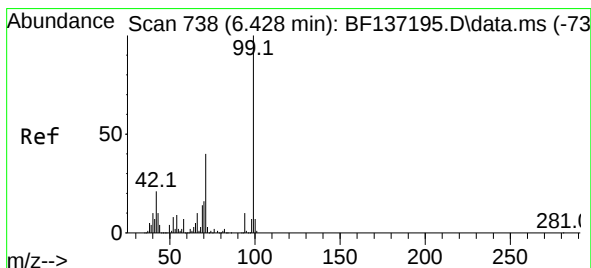
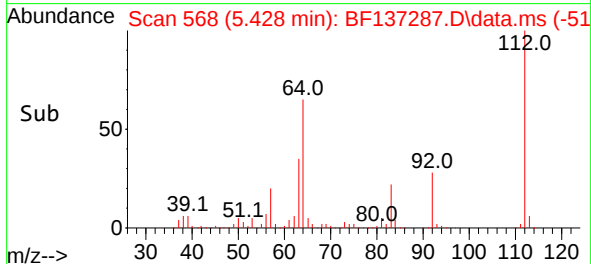
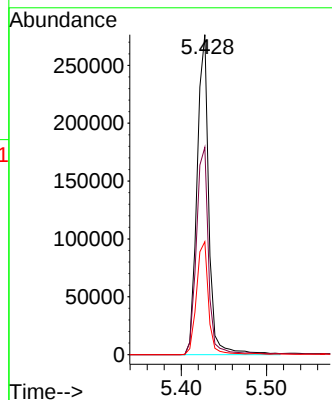
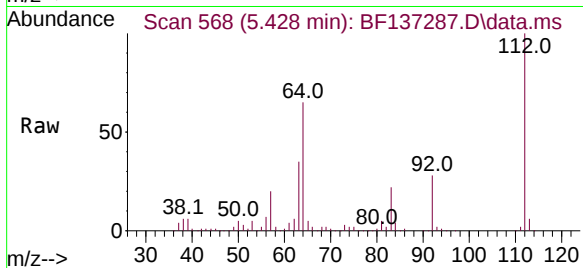




#5
2-Fluorophenol
Concen: 93.624 ng
RT: 5.428 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

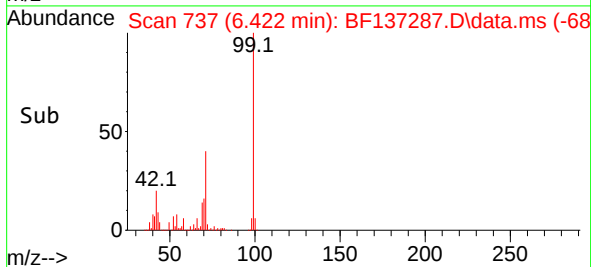
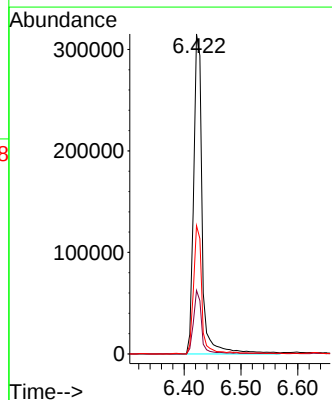
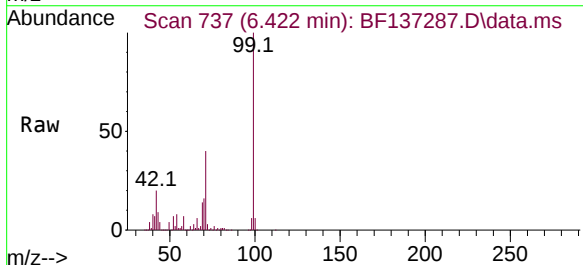
Instrument :
BNA_F
ClientSampleId :

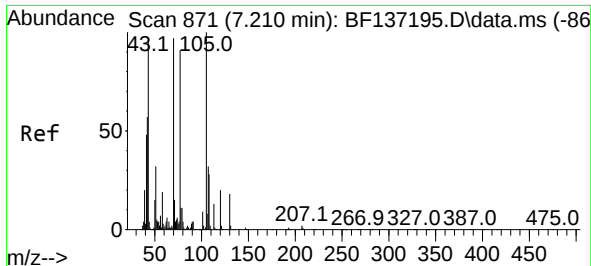
Tgt Ion:112 Resp: 265250
Ion Ratio Lower Upper
112 100
64 64.8 57.8 86.6
63 35.3 31.4 47.0



#7
Phenol-d6
Concen: 81.202 ng
RT: 6.422 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

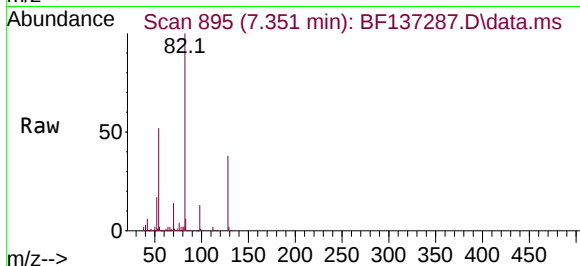
Tgt Ion: 99 Resp: 328314
Ion Ratio Lower Upper
99 100
42 19.8 16.4 24.6
71 40.1 32.4 48.6



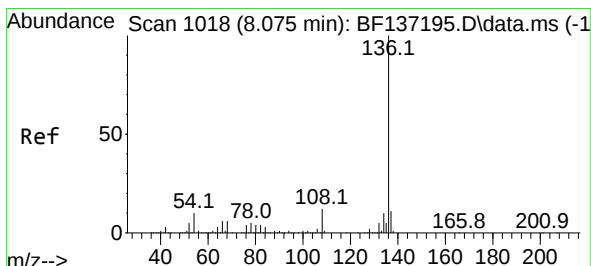
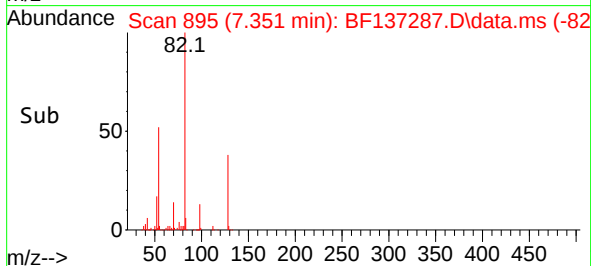
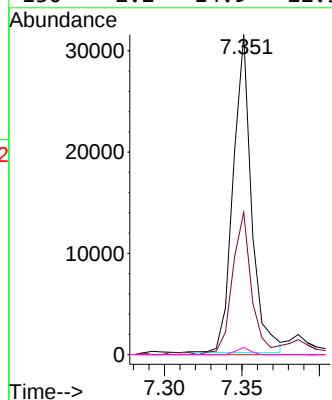


#19
n-Nitroso-di-n-propylamine
Concen: 9.355 ng
RT: 7.351 min Scan# 89
Delta R.T. 0.141 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

Instrument :
BNA_F
ClientSampleId :

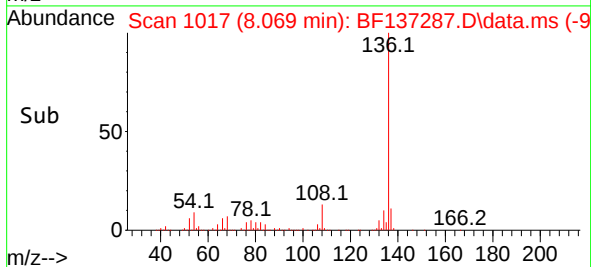
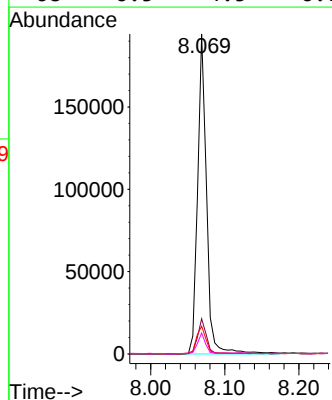
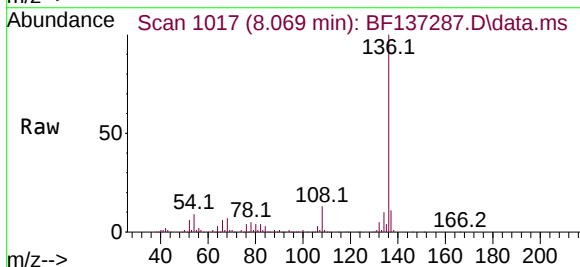


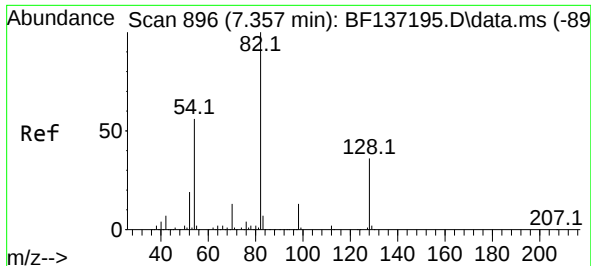
Tgt Ion: 70 Resp: 25934
Ion Ratio Lower Upper
70 100
42 44.5 47.2 70.8#
101 0.0 7.4 11.0#
130 2.2 14.9 22.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

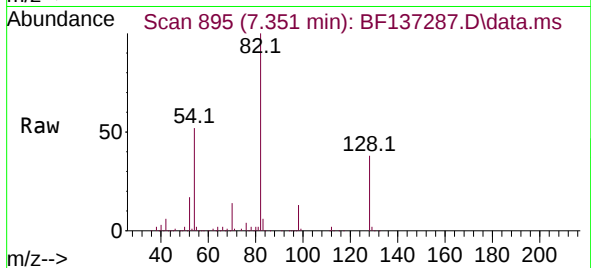
Tgt Ion: 136 Resp: 163228
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.7 7.8 11.8
68 6.5 4.5 6.7



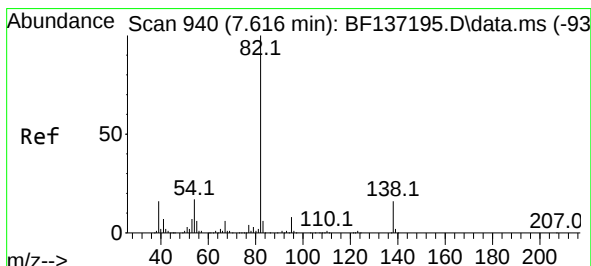
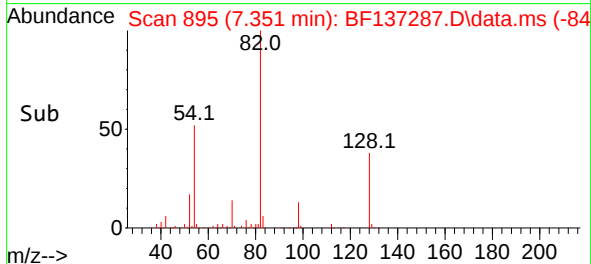
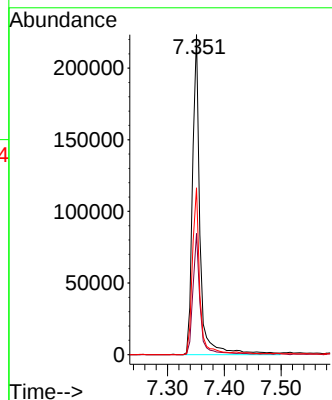


#23
Nitrobenzene-d5
Concen: 56.271 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

Instrument :
BNA_F
ClientSampleId :

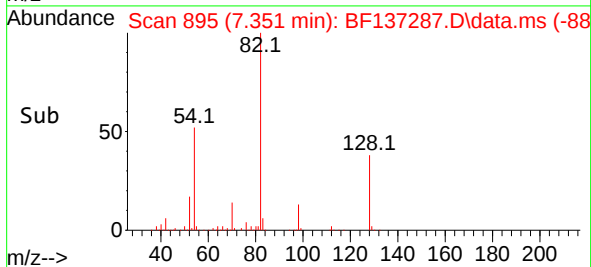
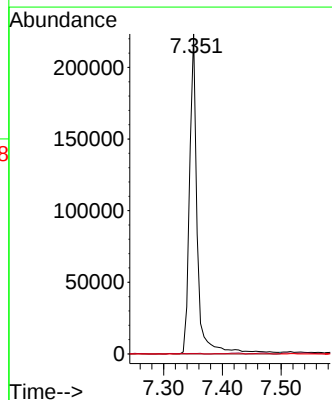
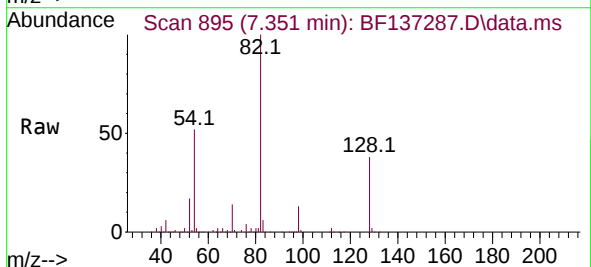


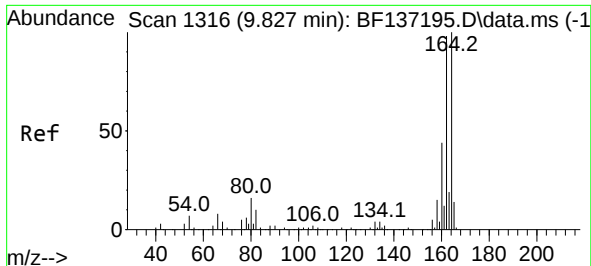
Tgt Ion: 82 Resp: 205154
Ion Ratio Lower Upper
82 100
128 37.8 29.1 43.7
54 52.1 45.0 67.6



#25
Isophorone
Concen: 30.486 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

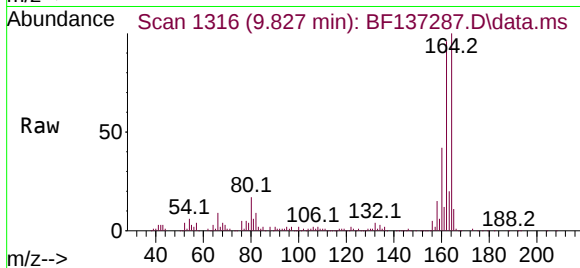
Tgt Ion: 82 Resp: 205153
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 12.7 19.1#



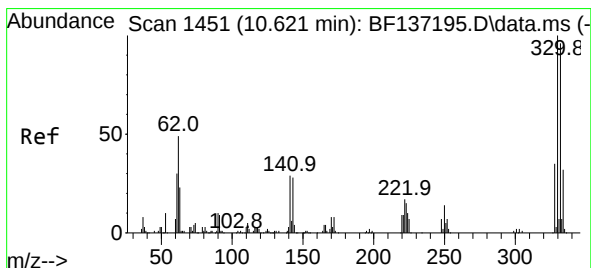
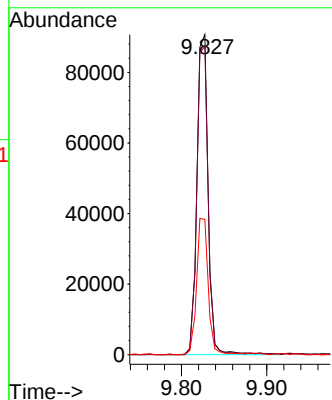
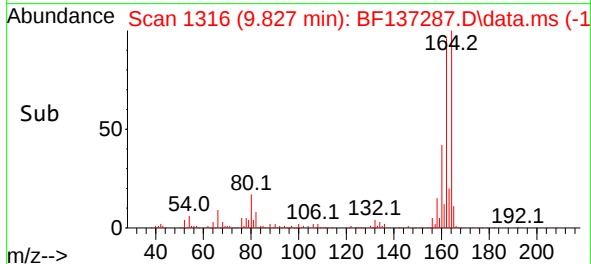


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

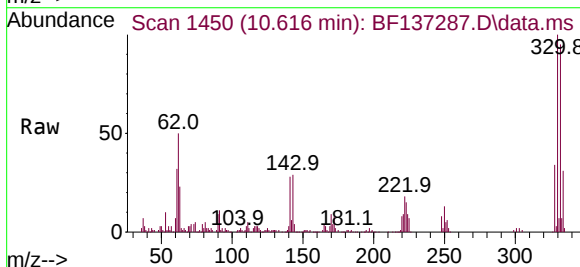
Instrument :
BNA_F
ClientSampleId :



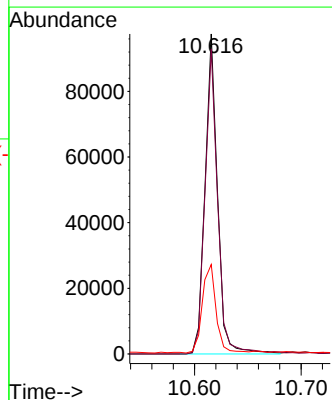
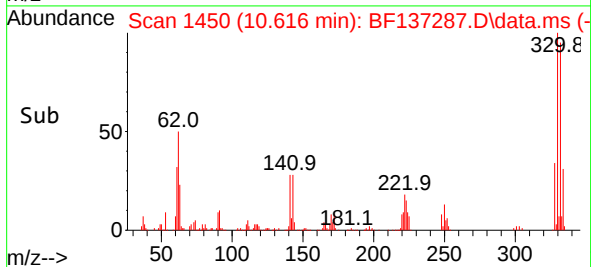
Tgt Ion:164 Resp: 82714
Ion Ratio Lower Upper
164 100
162 96.3 78.3 117.5
160 42.3 35.4 53.2

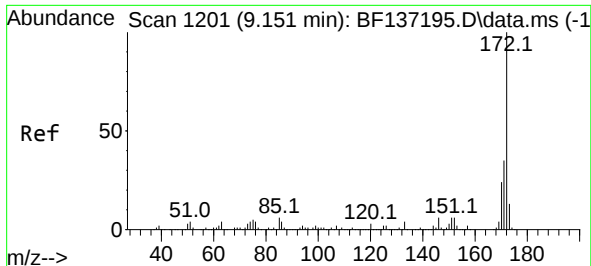


#42
2,4,6-Tribromophenol
Concen: 84.642 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47



Tgt Ion:330 Resp: 79067
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 29.6 25.2 37.8

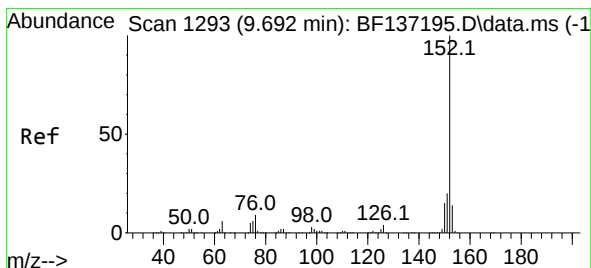
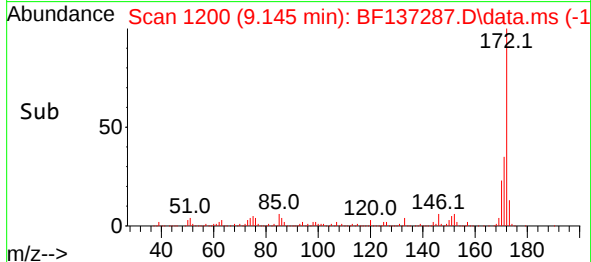
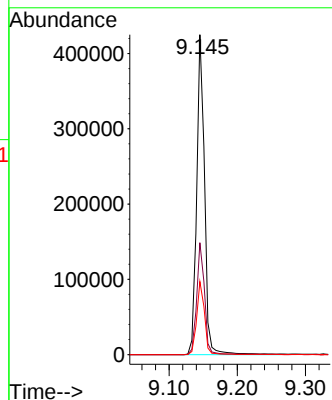
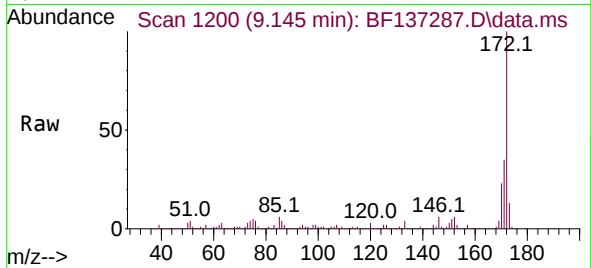




#45
2-Fluorobiphenyl
Concen: 56.570 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

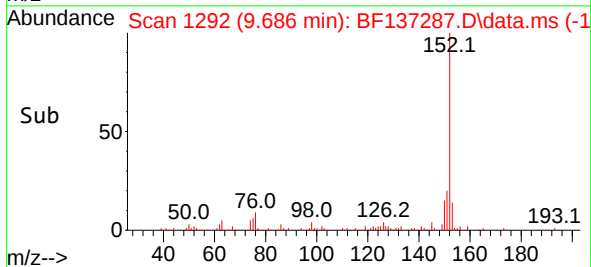
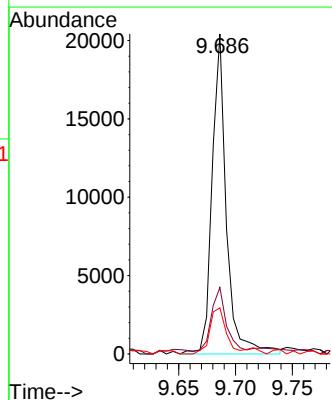
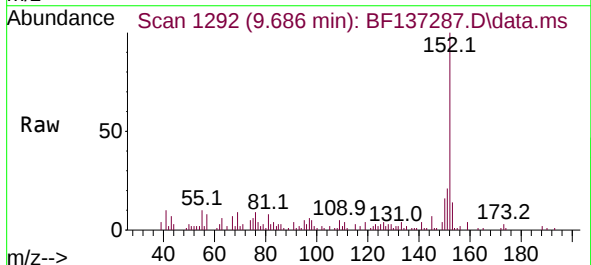
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BNA_F
ClientSampleId :

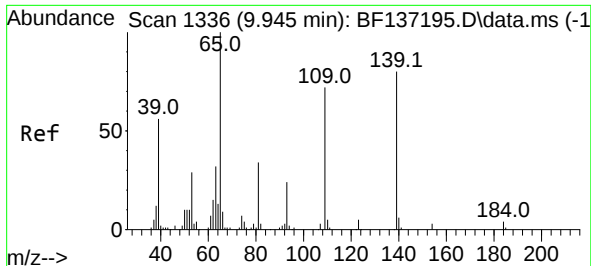
Tgt Ion:172 Resp: 340381
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 22.8 19.1 28.7



#49
Acenaphthylene
Concen: 2.297 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

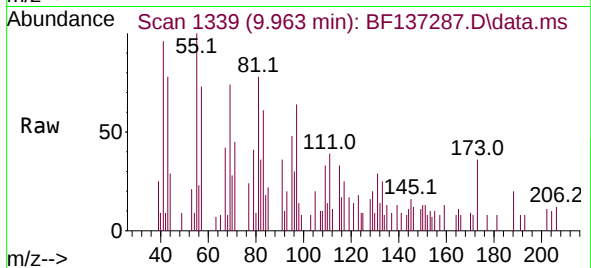
Tgt Ion:152 Resp: 17909
Ion Ratio Lower Upper
152 100
151 20.8 16.3 24.5
153 14.4 11.2 16.8



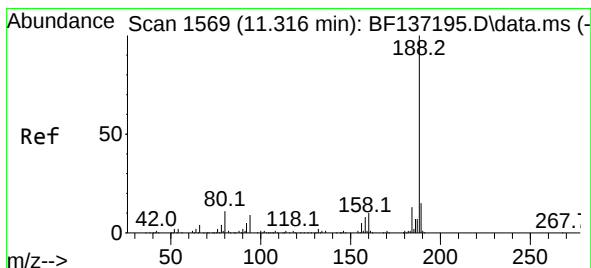
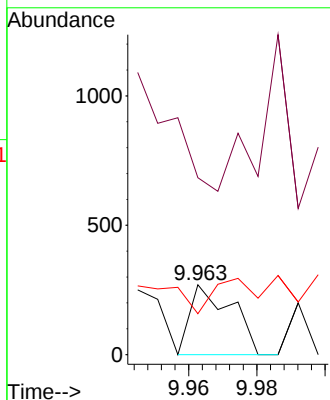
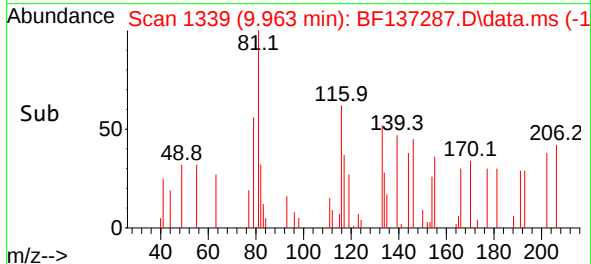


#56
4-Nitrophenol
Concen: 8.721 ng
RT: 9.963 min Scan# 1336
Delta R.T. 0.018 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

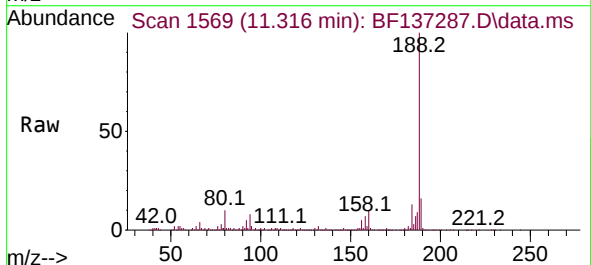
Instrument :
BNA_F
ClientSampleId :



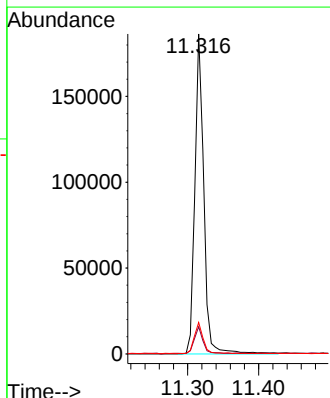
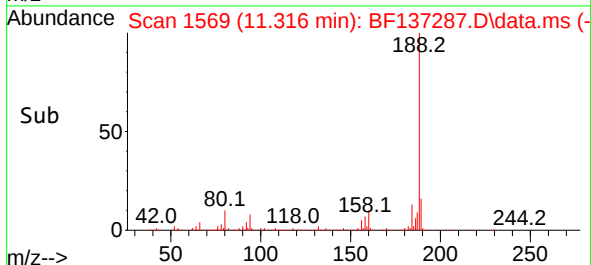
Tgt Ion:139 Resp: 228
Ion Ratio Lower Upper
139 100
109 253.3 70.4 110.4#
65 58.5 107.6 147.6#

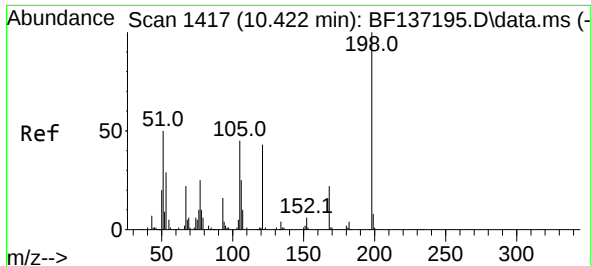


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47



Tgt Ion:188 Resp: 162689
Ion Ratio Lower Upper
188 100
94 8.5 7.0 10.4
80 9.8 8.8 13.2

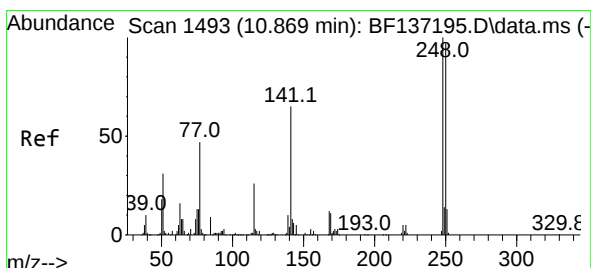
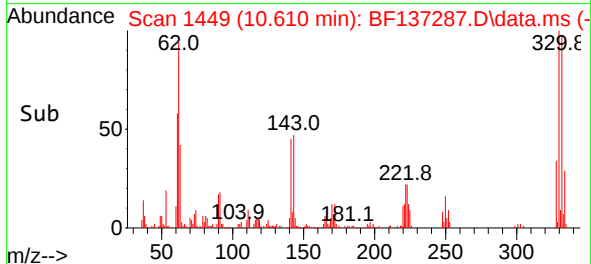
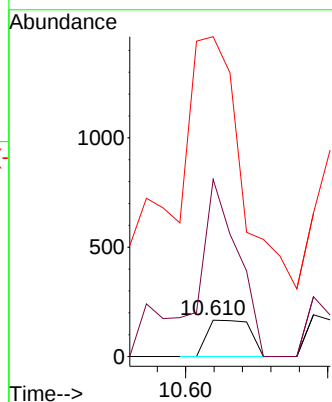
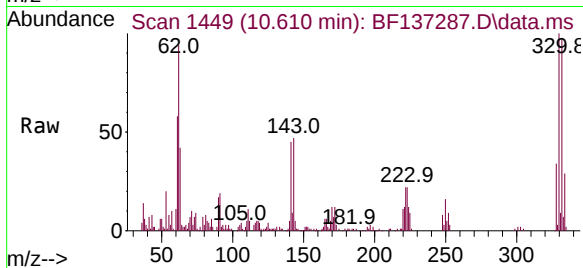




#65
4,6-Dinitro-2-methylphenol
Concen: 5.632 ng
RT: 10.610 min Scan# 1417
Delta R.T. 0.188 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

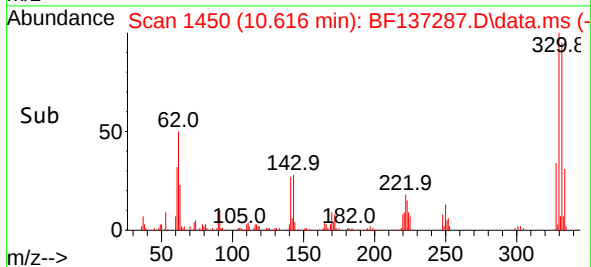
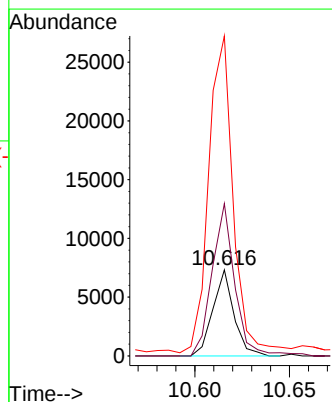
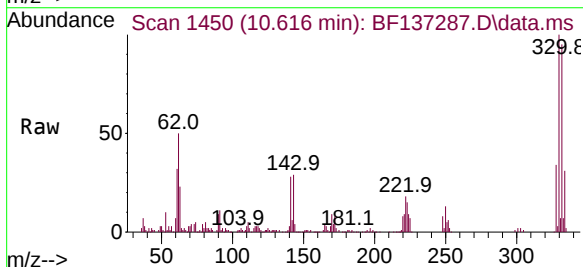
Instrument :
BNA_F
ClientSampleId :

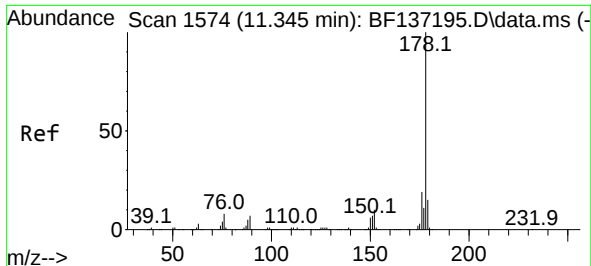
Tgt Ion:198 Resp: 172
Ion Ratio Lower Upper
198 100
51 488.0 40.9 80.9#
105 881.3 26.5 66.5#



#67
4-Bromophenyl-phenylether
Concen: 3.156 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

Tgt Ion:248 Resp: 5646
Ion Ratio Lower Upper
248 100
250 176.9 77.7 116.5#
141 371.8 51.6 77.4#

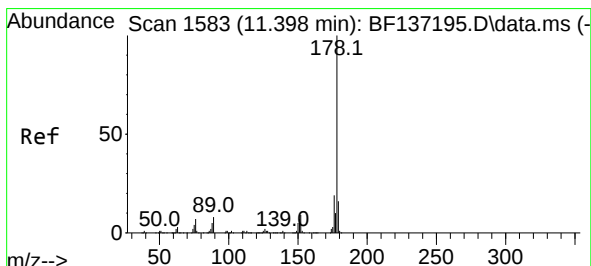
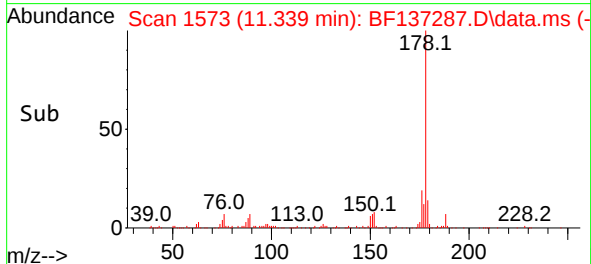
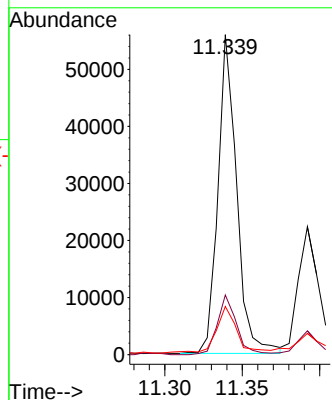
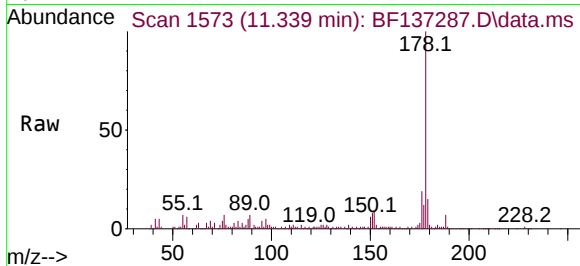




#71
Phenanthrene
Concen: 5.525 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

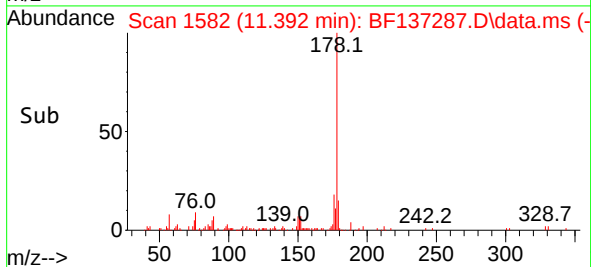
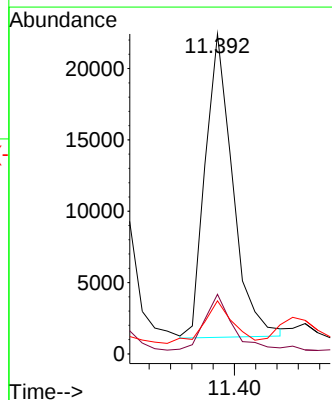
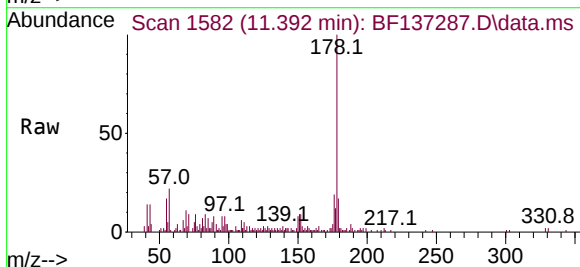
Instrument :
BNA_F
ClientSampleId :

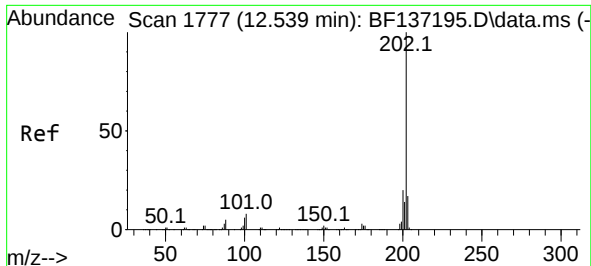
Tgt Ion:178 Resp: 47059
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.0 12.1 18.1



#72
Anthracene
Concen: 2.148 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

Tgt Ion:178 Resp: 19065
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 16.6 12.7 19.1

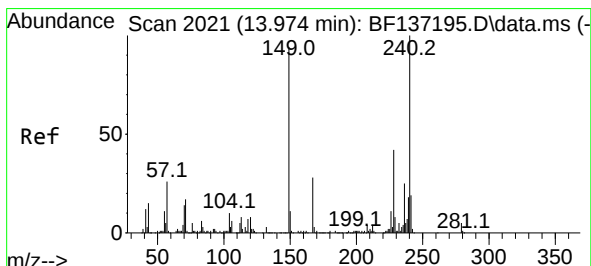
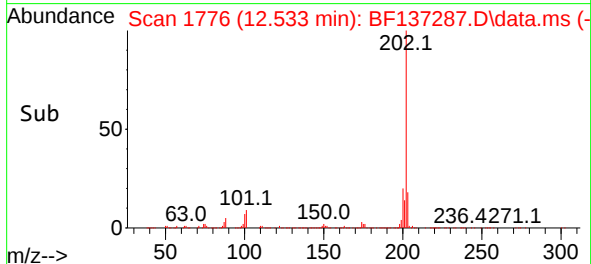
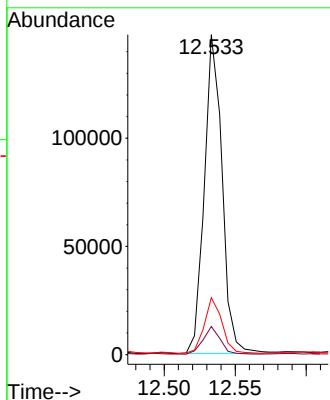
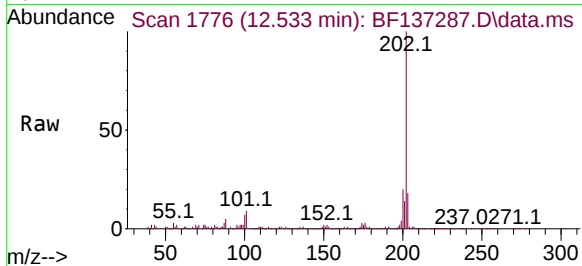




#75
Fluoranthene
Concen: 14.410 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

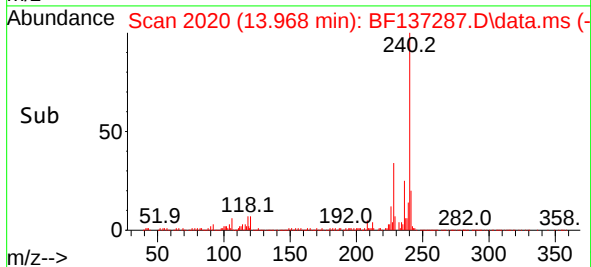
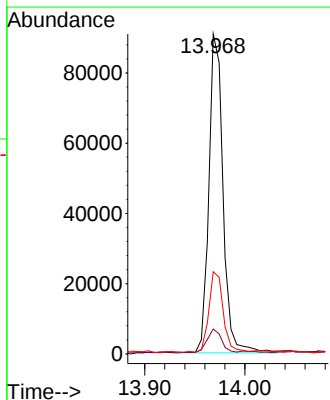
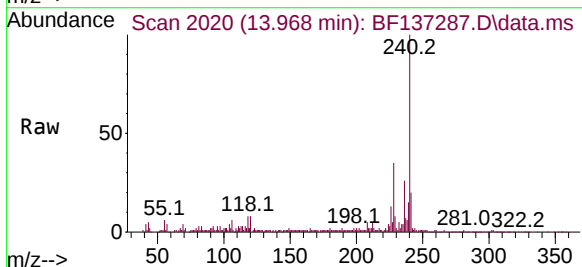
Instrument :
BNA_F
ClientSampleId :

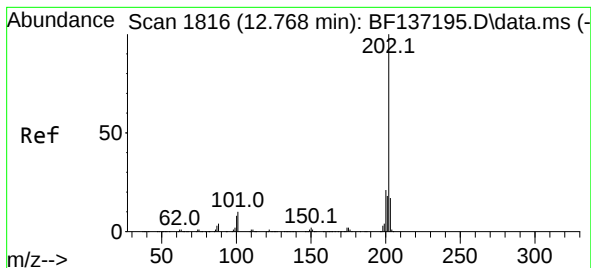
Tgt Ion:202 Resp: 128426
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.4
203 17.8 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

Tgt Ion:240 Resp: 89038
Ion Ratio Lower Upper
240 100
120 7.8 6.3 9.5
236 25.7 20.3 30.5





#78

Pyrene

Concen: 15.188 ng

RT: 12.763 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF137287.D

Acq: 05 Feb 2024 20:47

Instrument :

BNA_F

ClientSampleId :

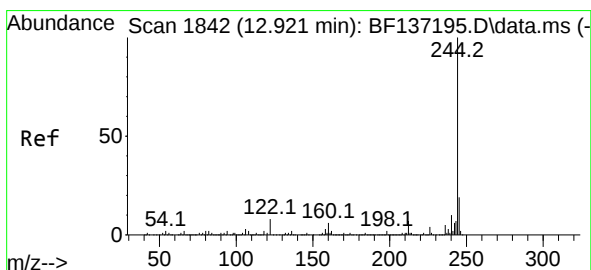
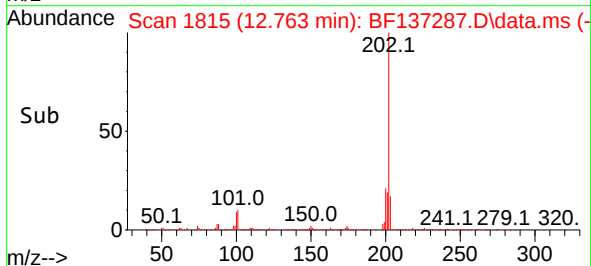
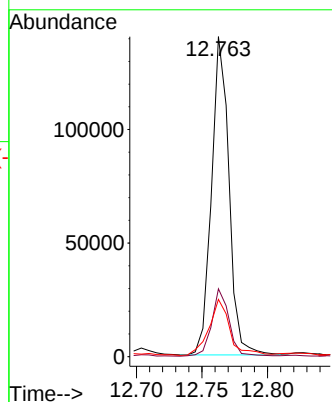
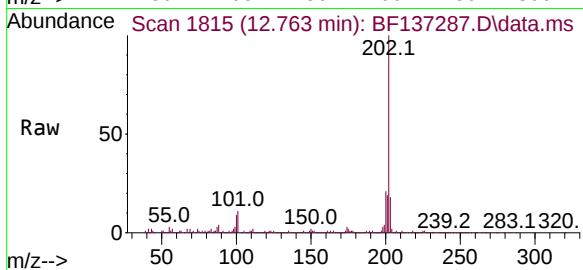
Tgt Ion:202 Resp: 129957

Ion Ratio Lower Upper

202 100

200 21.2 16.5 24.7

203 17.9 13.8 20.6



#79

Terphenyl-d14

Concen: 59.613 ng

RT: 12.915 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF137287.D

Acq: 05 Feb 2024 20:47

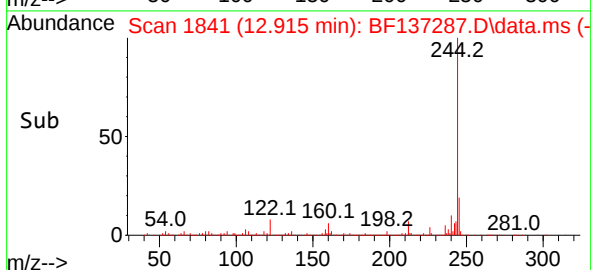
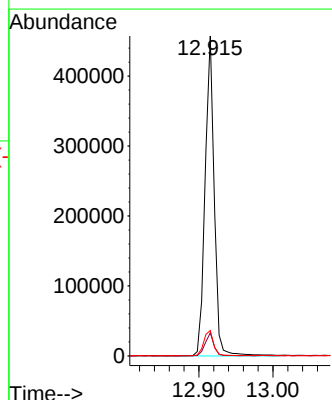
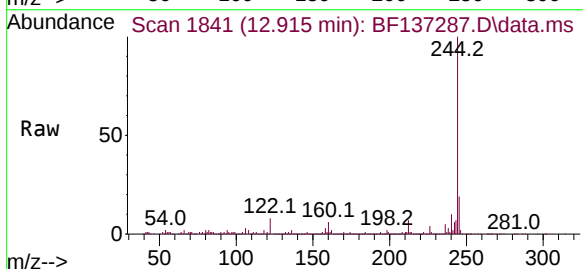
Tgt Ion:244 Resp: 390441

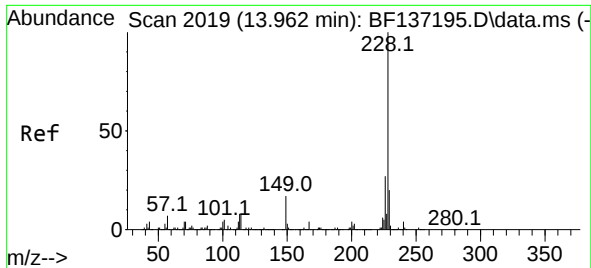
Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 7.9 6.2 9.4

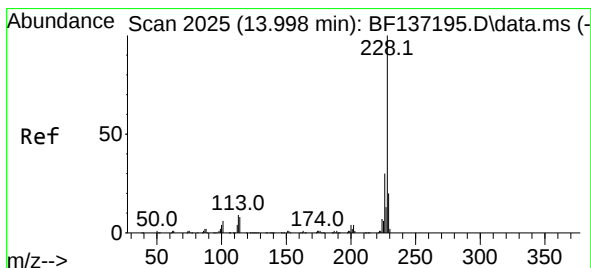
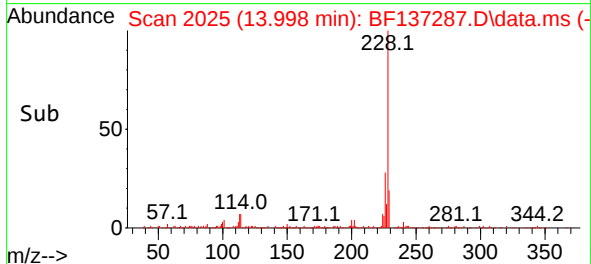
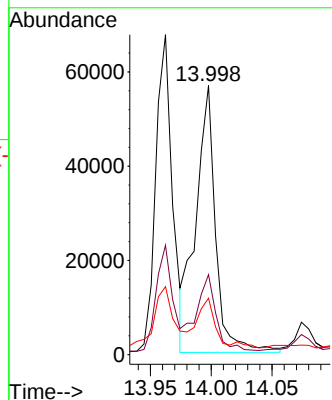
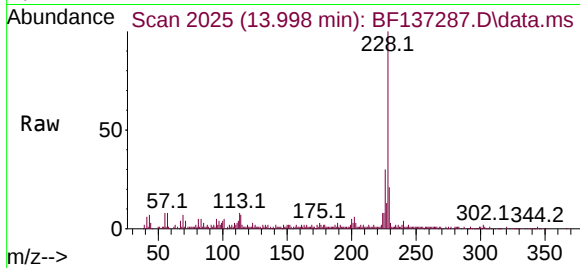




#81
Benzo(a)anthracene
Concen: 10.293 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.035 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

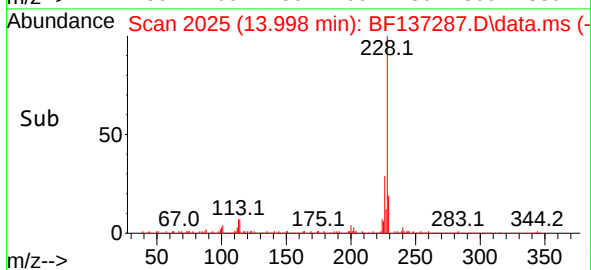
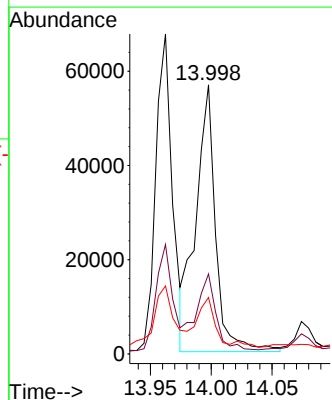
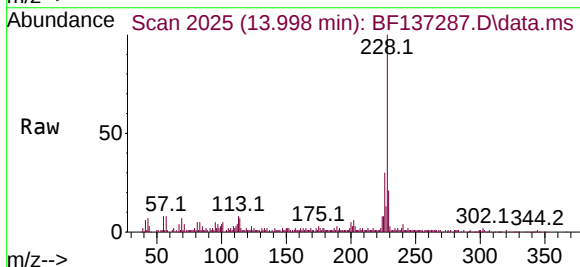
Instrument :
BNA_F
ClientSampleId :

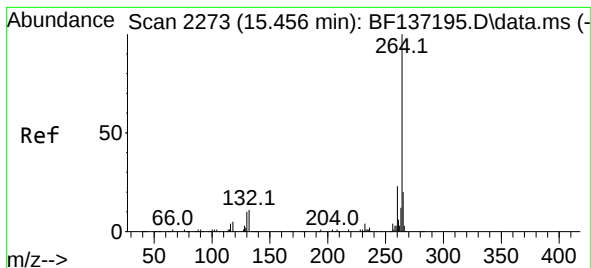
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	21.6	32.4
229	21.0	15.8	23.6



#83
Chrysene
Concen: 10.469 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF137287.D
Acq: 05 Feb 2024 20:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.7	35.5
229	21.0	15.6	23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.456 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF137287.D

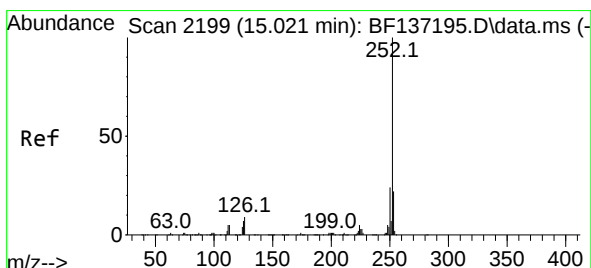
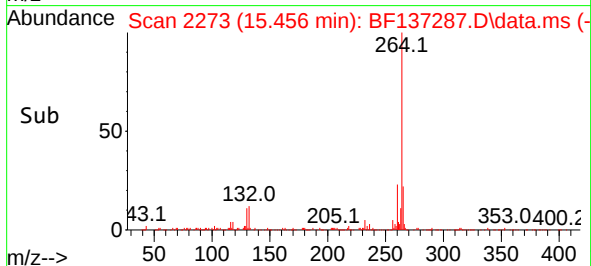
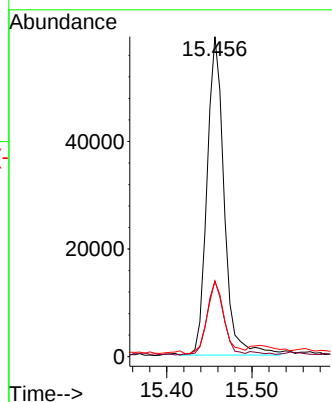
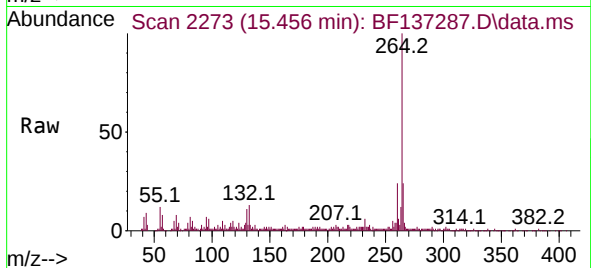
Acq: 05 Feb 2024 20:47

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:264	Resp:	82793
Ion Ratio	Lower	Upper
264	100	
260	23.6	18.2 27.4
265	23.5	16.2 24.2



#88

Benzo(b)fluoranthene

Concen: 19.041 ng

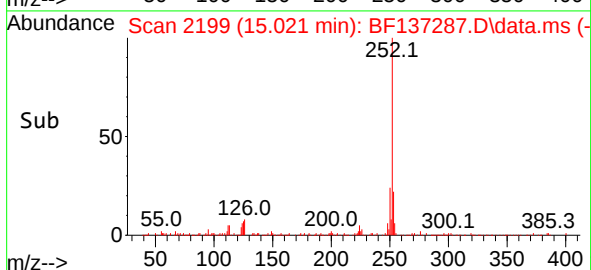
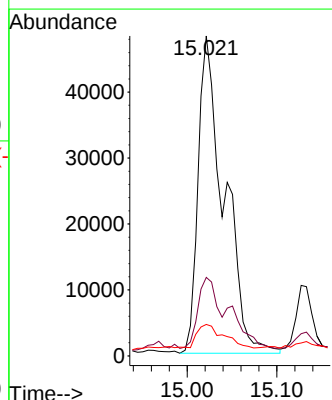
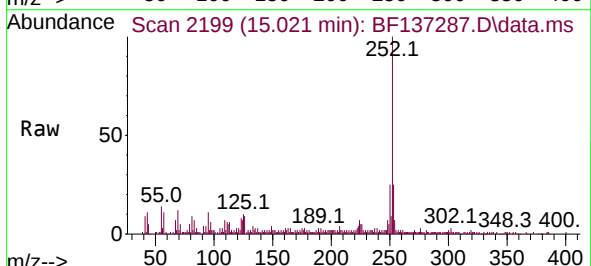
RT: 15.021 min Scan# 2199

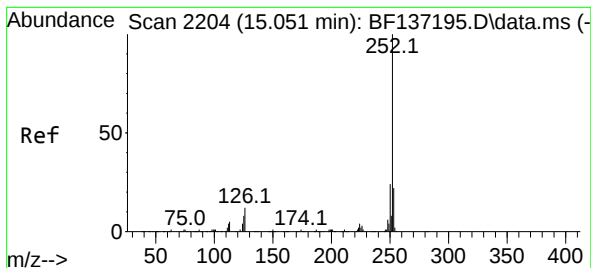
Delta R.T. -0.000 min

Lab File: BF137287.D

Acq: 05 Feb 2024 20:47

Tgt Ion:252	Resp:	96951
Ion Ratio	Lower	Upper
252	100	
253	24.5	17.9 26.9
125	9.8	5.4 8.2





#89

Benzo(k)fluoranthene

Concen: 17.999 ng

RT: 15.021 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF137287.D

Acq: 05 Feb 2024 20:47

Instrument :

BNA_F

ClientSampleId :

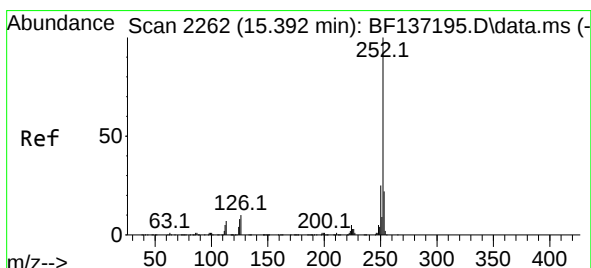
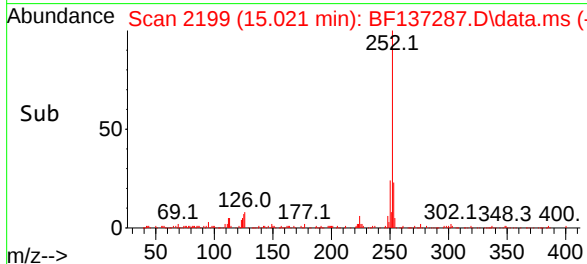
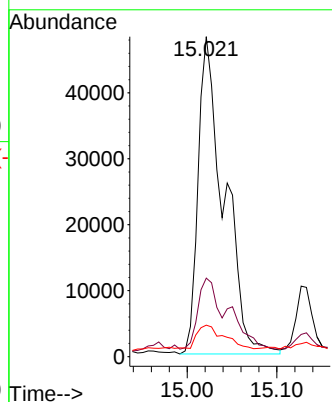
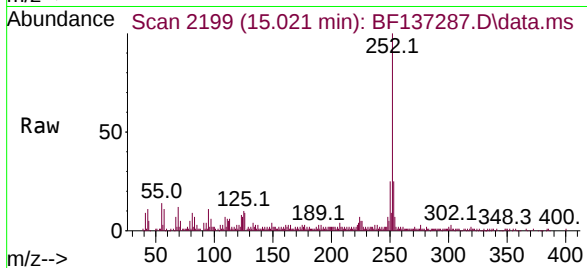
Tgt Ion:252 Resp: 96951

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

125 9.8 5.9 8.9#



#90

Benzo(a)pyrene

Concen: 11.624 ng

RT: 15.392 min Scan# 2262

Delta R.T. -0.000 min

Lab File: BF137287.D

Acq: 05 Feb 2024 20:47

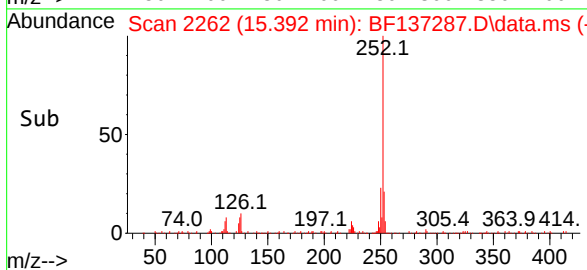
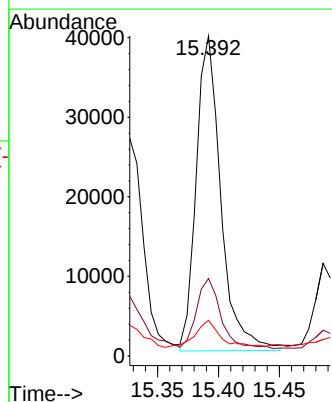
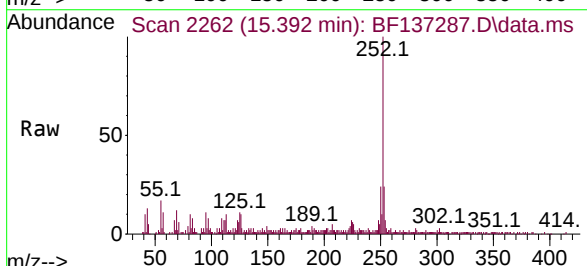
Tgt Ion:252 Resp: 55699

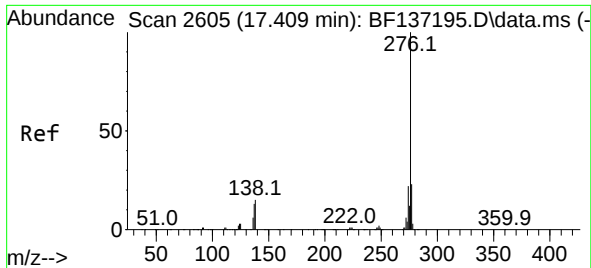
Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

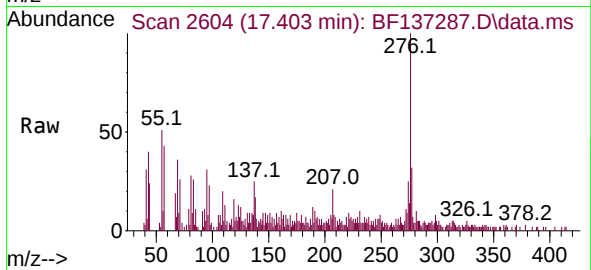
125 11.2 6.5 9.7#





#92
 Benzo(g,h,i)perylene
 Concen: 5.285 ng
 RT: 17.403 min Scan# 2604
 Delta R.T. -0.006 min
 Lab File: BF137287.D
 Acq: 05 Feb 2024 20:47

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	276	Resp:	24178
Ion Ratio	Lower	Upper	
276	100		
277	31.5	18.4	27.6#
138	16.9	11.8	17.8

