

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
 Data File : BF137209.D
 Acq On : 31 Jan 2024 14:34
 Operator : CG\JU
 Sample : P1295-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-013024

Quant Time: Feb 01 01:16:05 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)

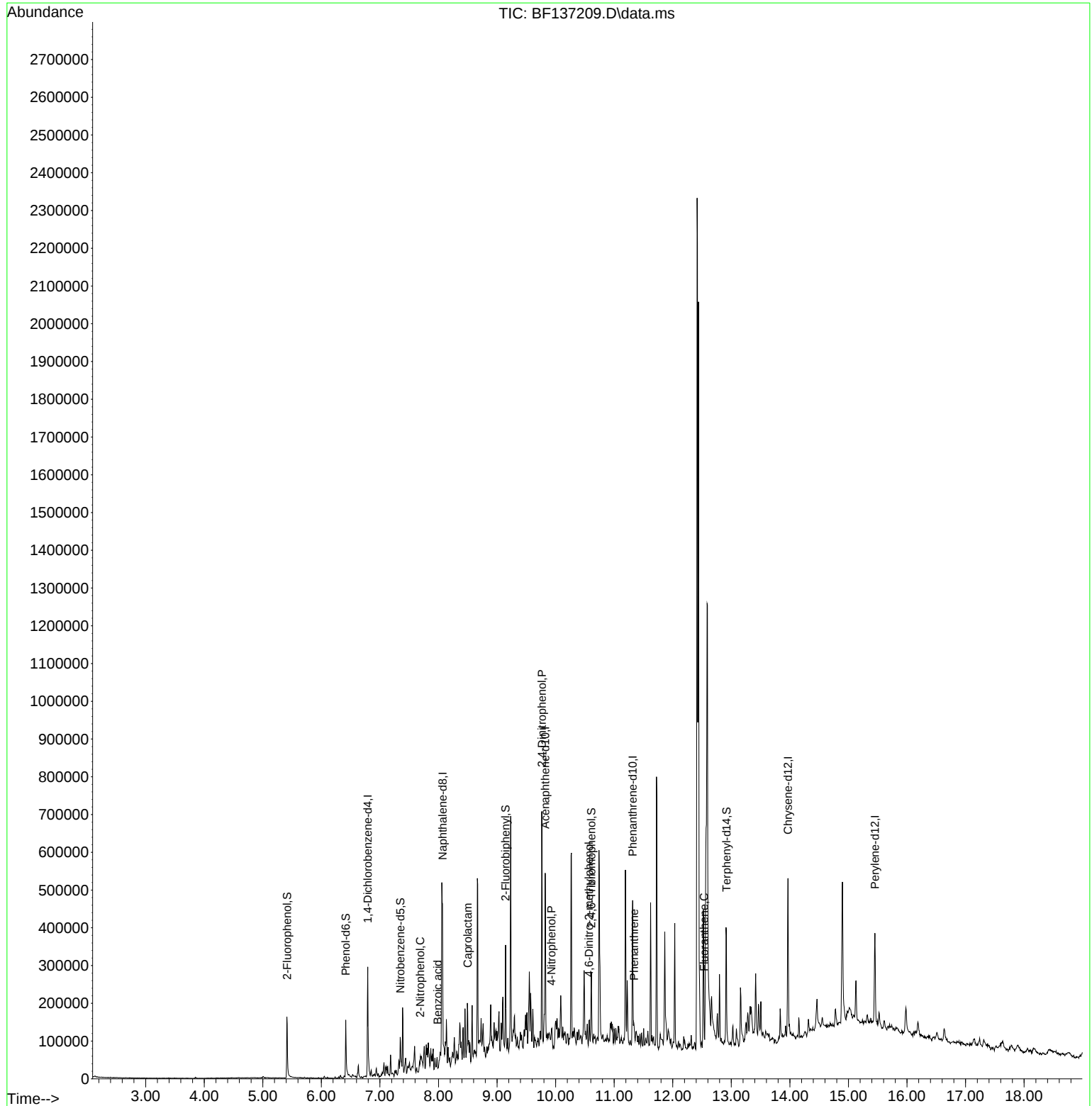
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	41799	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	145630	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	79478	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	151110	20.000	ng	0.00
76) Chrysene-d12	13.969	240	151734	20.000	ng	0.00
86) Perylene-d12	15.451	264	122438	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	46134	18.212	ng	0.00
7) Phenol-d6	6.416	99	56652	15.671	ng	-0.01
23) Nitrobenzene-d5	7.345	82	31720	9.752	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	16351	18.217	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	76362	13.208	ng	0.00
79) Terphenyl-d14	12.916	244	107204	9.605	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	7.687	139	146	2.563	ng	# 1
32) Benzoic acid	7.987	122	61	8.360	ng	# 60
35) Caprolactam	8.498	113	2693	4.068	ng	# 1
54) 2,4-Dinitrophenol	9.763	184	70	11.666	ng	# 1
56) 4-Nitrophenol	9.928	139	484	8.957	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.569	198	70	5.532	ng	# 1
71) Phenanthrene	11.339	178	15915	2.012	ng	# 94
75) Fluoranthene	12.533	202	17206	2.079	ng	99

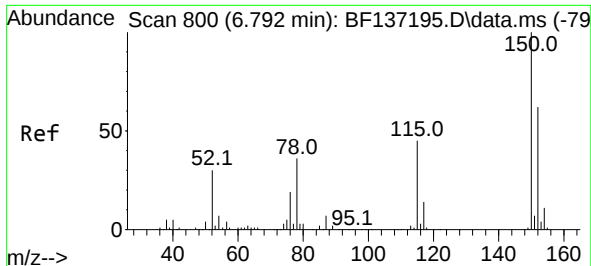
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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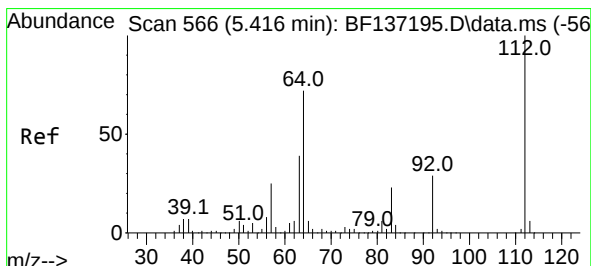
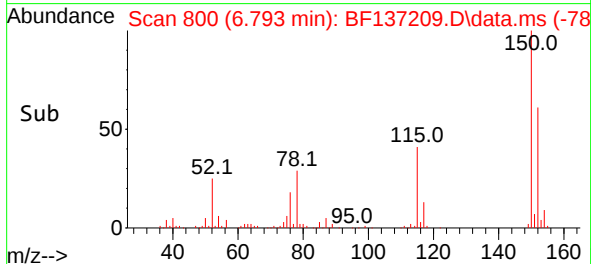
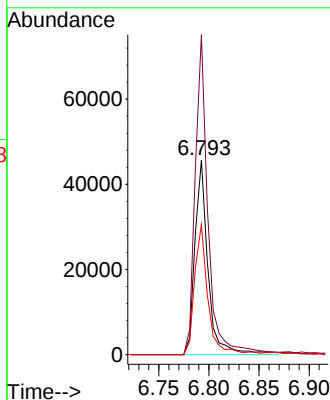
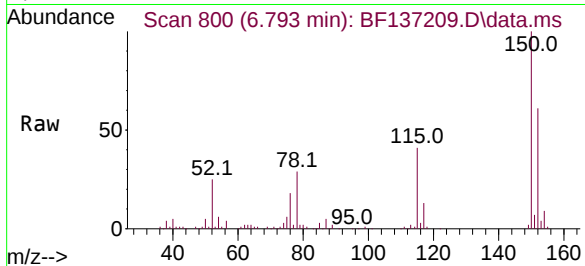




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. 0.001 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

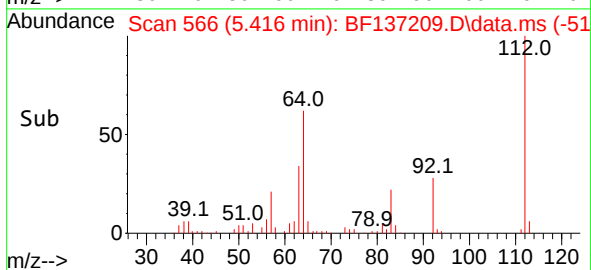
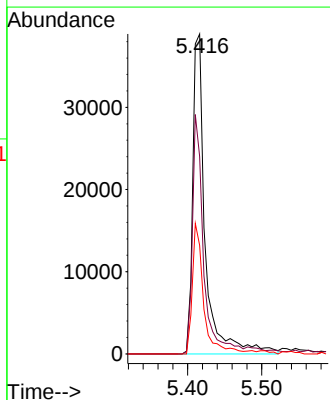
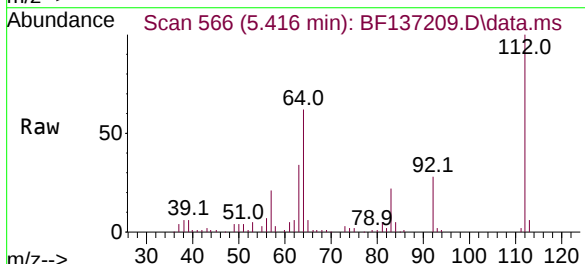
Instrument :
BNA_F
ClientSampleId :
OK-02-013024

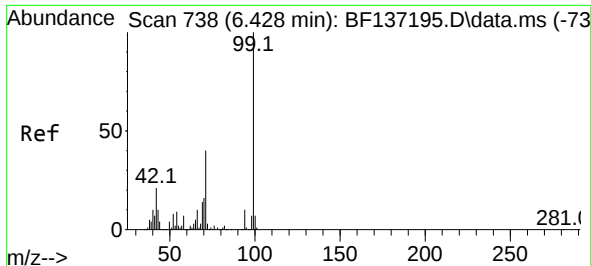
Tgt Ion:152 Resp: 41799
Ion Ratio Lower Upper
152 100
150 164.6 129.8 194.8
115 66.8 58.5 87.7



#5
2-Fluorophenol
Concen: 18.212 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

Tgt Ion:112 Resp: 46134
Ion Ratio Lower Upper
112 100
64 61.7 57.8 86.6
63 33.9 31.4 47.0





#7

Phenol-d6

Concen: 15.671 ng

RT: 6.416 min Scan# 738

Delta R.T. -0.012 min

Lab File: BF137209.D

Acq: 31 Jan 2024 14:34

Instrument :

BNA_F

ClientSampleId :

OK-02-013024

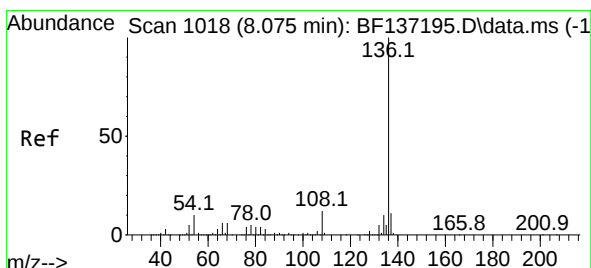
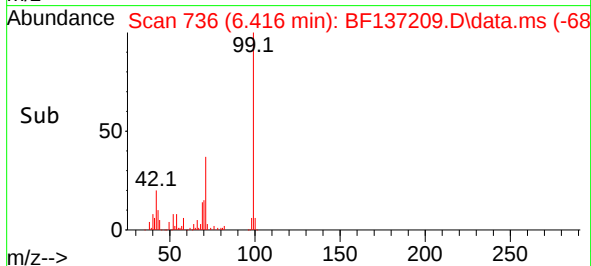
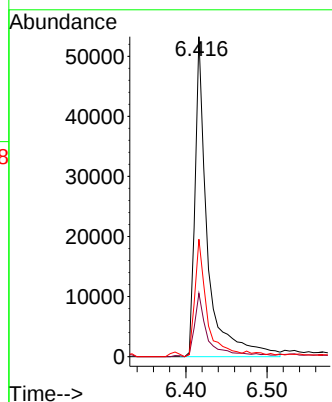
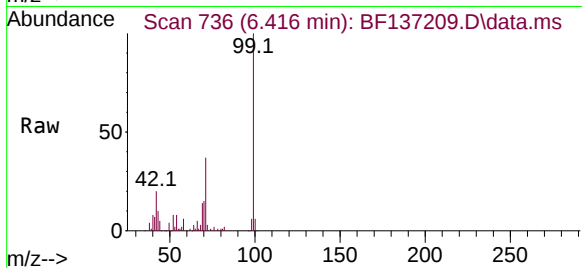
Tgt Ion: 99 Resp: 56652

Ion Ratio Lower Upper

99 100

42 19.8 16.4 24.6

71 36.7 32.4 48.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF137209.D

Acq: 31 Jan 2024 14:34

Tgt Ion: 136 Resp: 145630

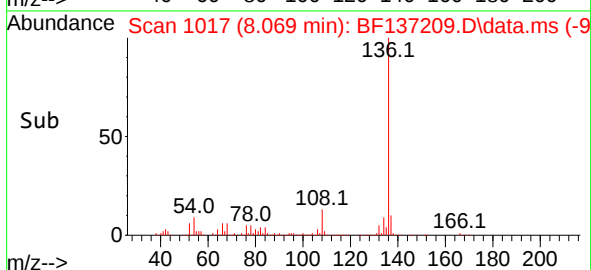
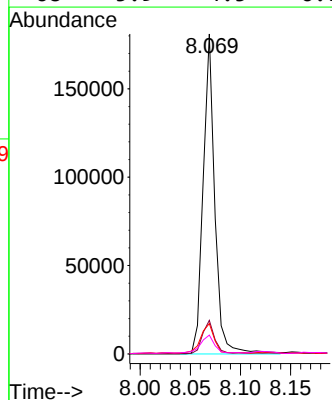
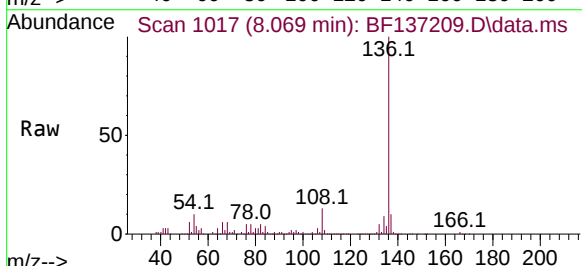
Ion Ratio Lower Upper

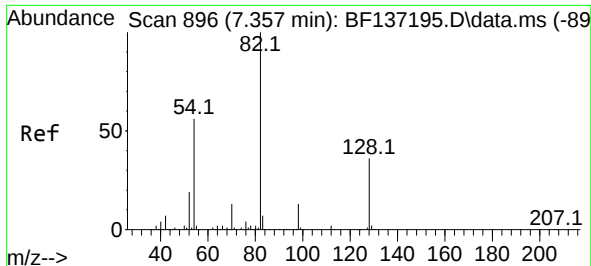
136 100

137 10.5 8.9 13.3

54 9.5 7.8 11.8

68 5.9 4.5 6.7

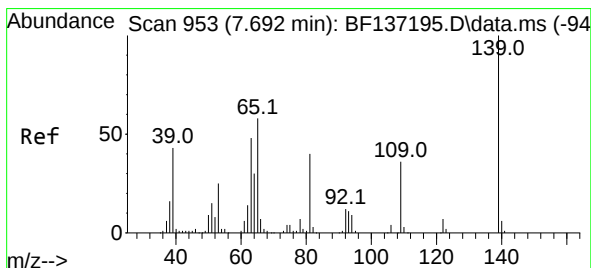
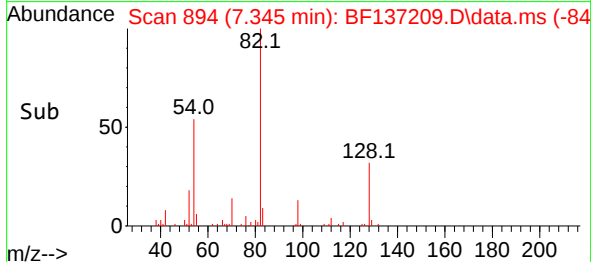
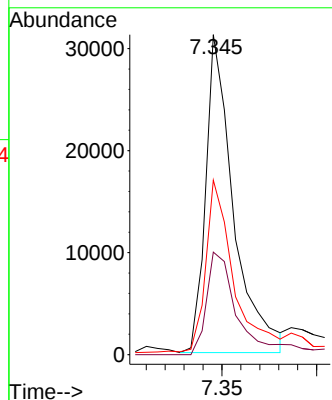
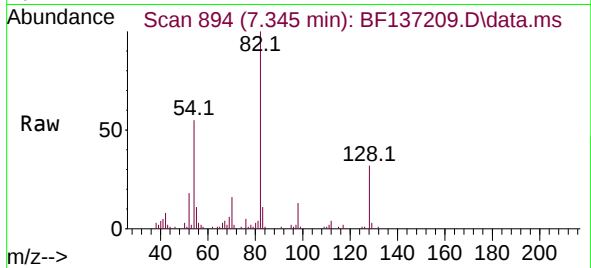




#23
Nitrobenzene-d5
Concen: 9.752 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

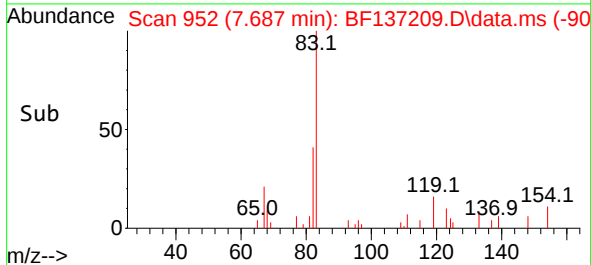
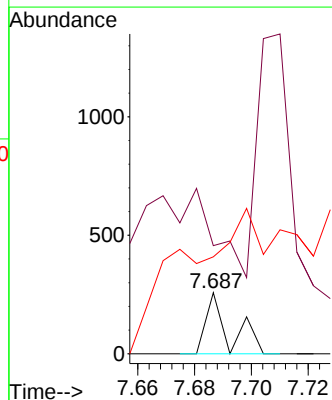
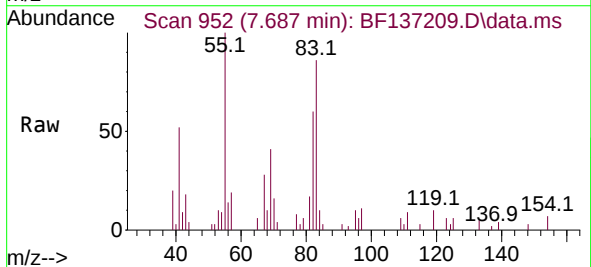
Instrument :
BNA_F
ClientSampleId :
OK-02-013024

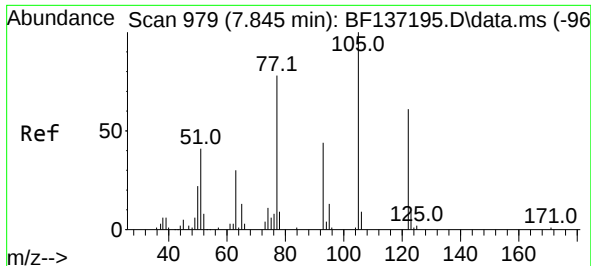
Tgt Ion: 82 Resp: 31720
Ion Ratio Lower Upper
82 100
128 32.0 29.1 43.7
54 54.5 45.0 67.6



#26
2-Nitrophenol
Concen: 2.563 ng
RT: 7.687 min Scan# 952
Delta R.T. -0.005 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

Tgt Ion:139 Resp: 146
Ion Ratio Lower Upper
139 100
109 176.7 28.5 42.7#
65 158.5 46.7 70.1#

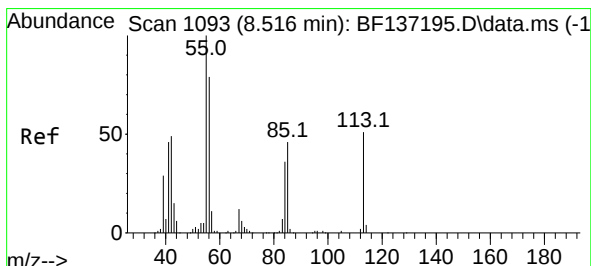
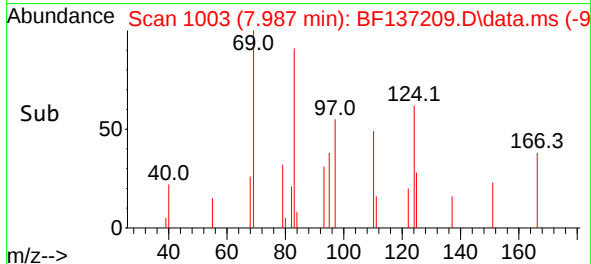
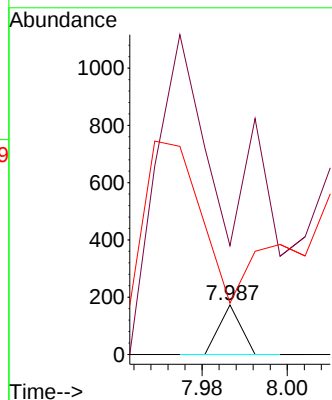
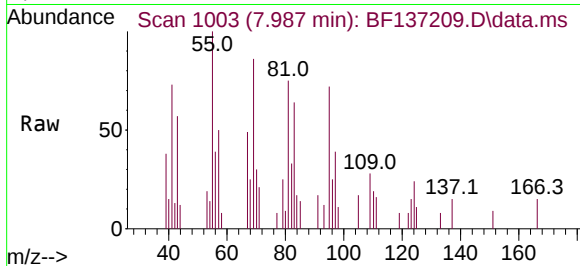




#32
Benzoic acid
Concen: 8.360 ng
RT: 7.987 min Scan# 1003
Delta R.T. 0.142 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

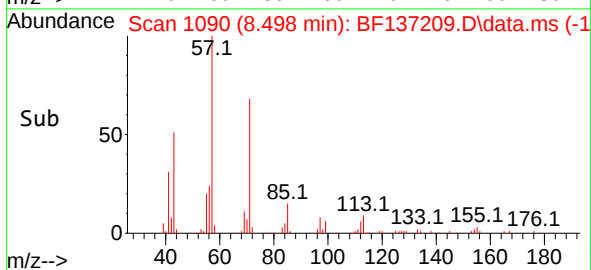
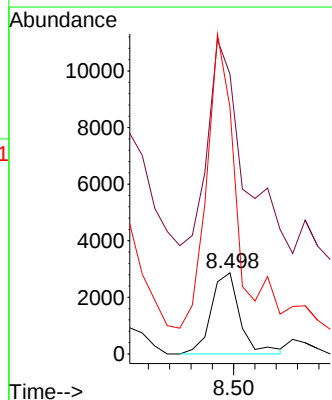
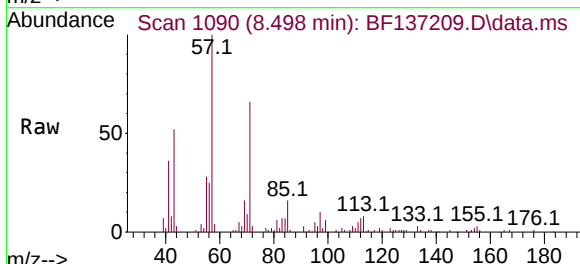
Instrument :
BNA_F
ClientSampleId :
OK-02-013024

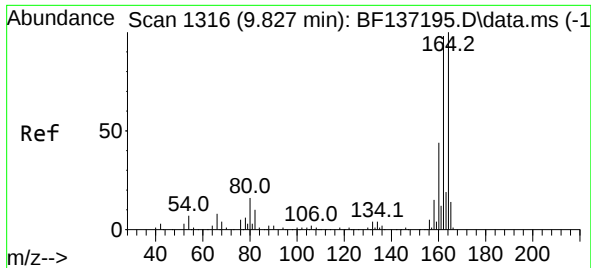
Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 219.7 122.5 162.5#
77 103.5 96.4 136.4



#35
Caprolactam
Concen: 4.068 ng
RT: 8.498 min Scan# 1090
Delta R.T. -0.017 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

Tgt Ion:113 Resp: 2693
Ion Ratio Lower Upper
113 100
55 345.4 176.0 216.0#
56 304.3 134.0 174.0#

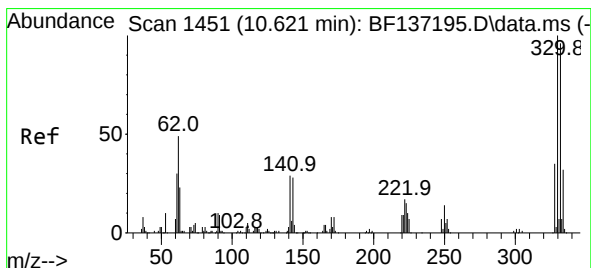
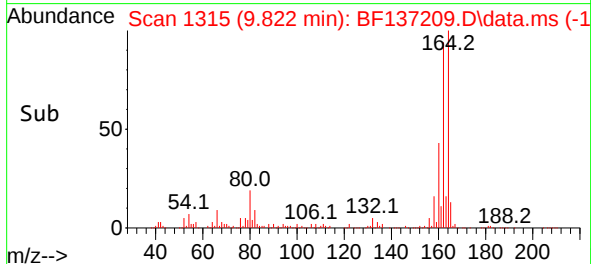
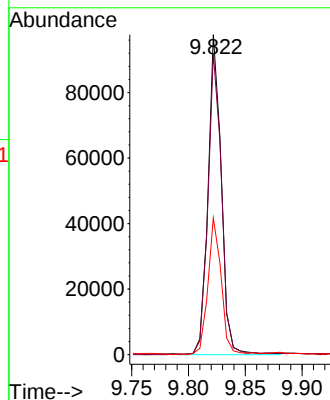
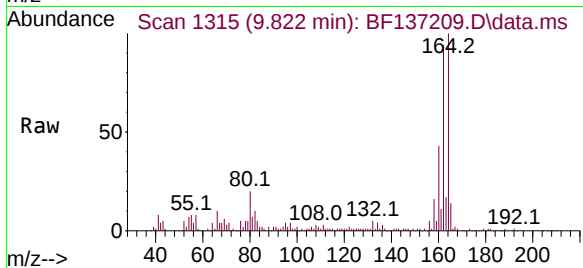




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1316
Delta R.T. -0.005 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

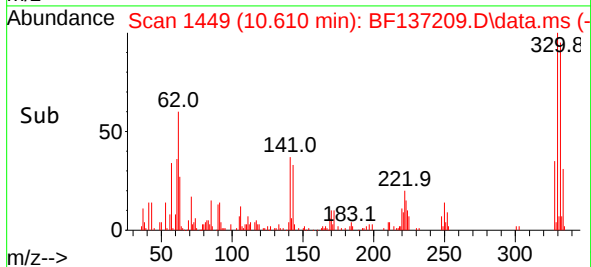
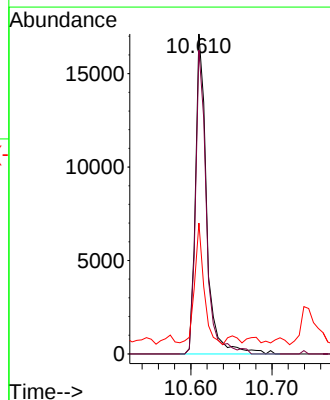
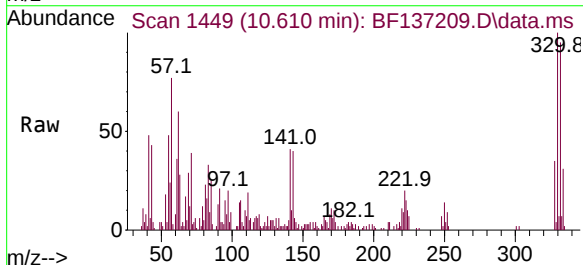
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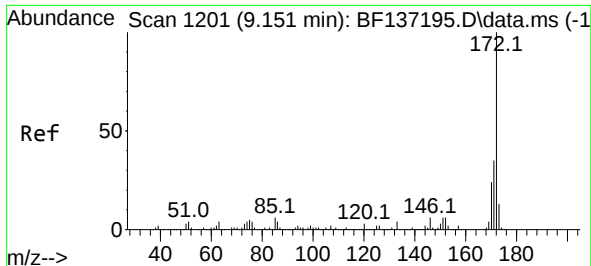
Tgt Ion:164 Resp: 79478
Ion Ratio Lower Upper
164 100
162 94.1 78.3 117.5
160 42.7 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 18.217 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

Tgt Ion:330 Resp: 16351
Ion Ratio Lower Upper
330 100
332 92.3 77.3 115.9
141 32.8 25.2 37.8

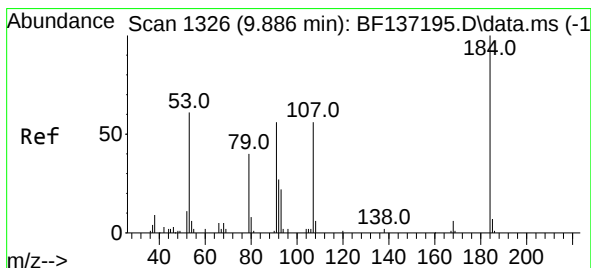
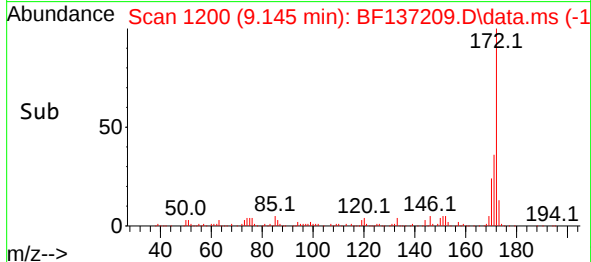
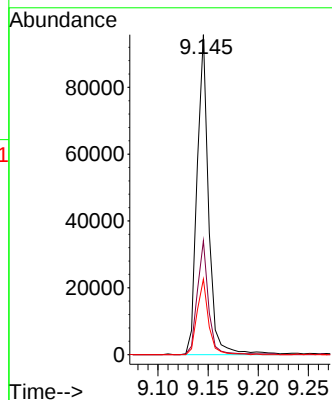
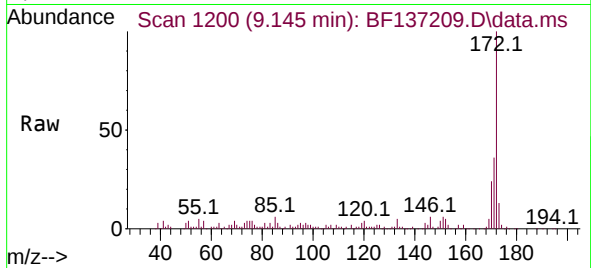




#45
2-Fluorobiphenyl
Concen: 13.208 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

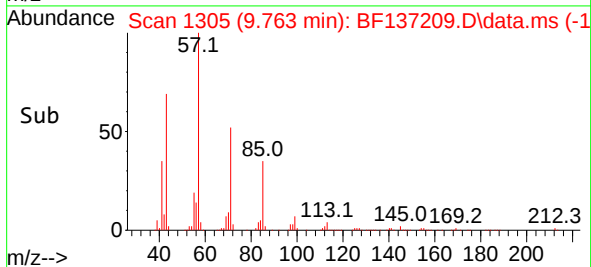
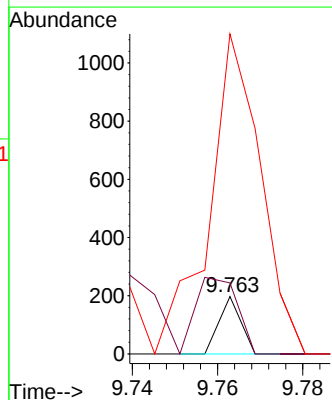
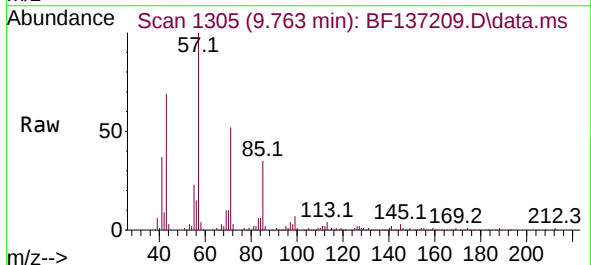
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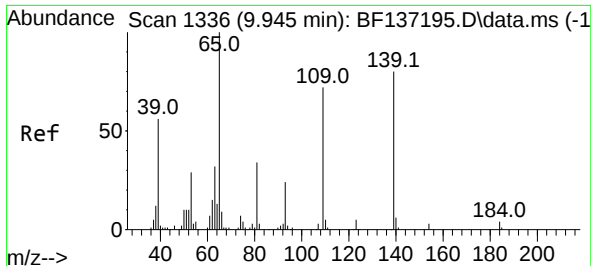
Tgt Ion:172 Resp: 76362
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.6 19.1 28.7



#54
2,4-Dinitrophenol
Concen: 11.666 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.123 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

Tgt Ion:184 Resp: 70
Ion Ratio Lower Upper
184 100
63 123.9 71.2 106.8#
154 558.4 64.9 97.3#

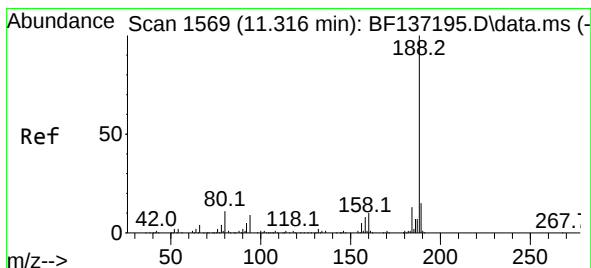
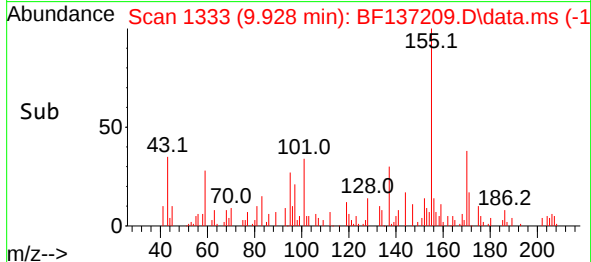
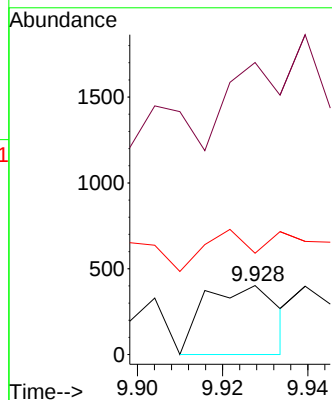
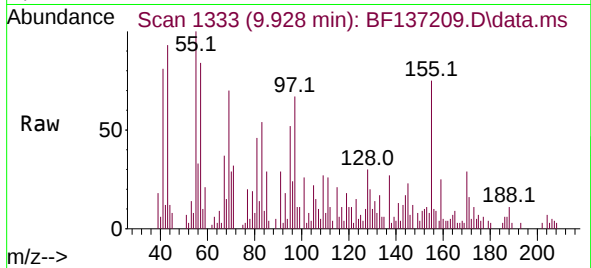




#56
4-Nitrophenol
Concen: 8.957 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.017 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

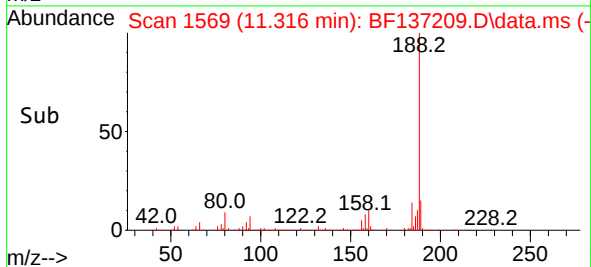
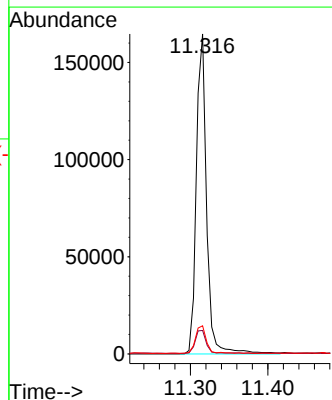
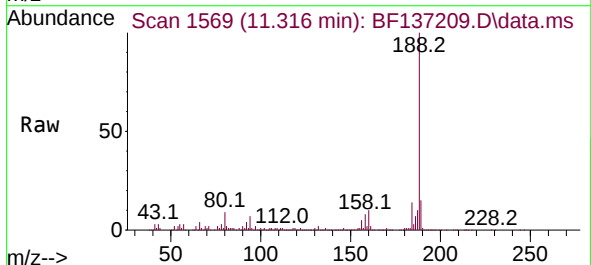
Instrument :
BNA_F
ClientSampleId :
OK-02-013024

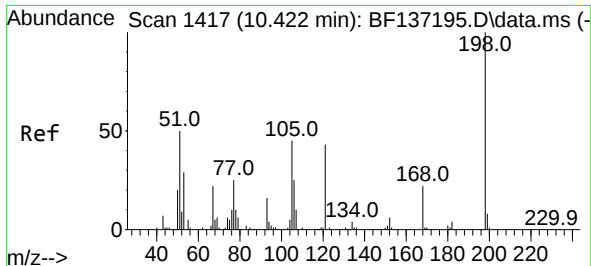
Tgt Ion:139 Resp: 484
Ion Ratio Lower Upper
139 100
109 423.1 70.4 110.4#
65 146.8 107.6 147.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

Tgt Ion:188 Resp: 151110
Ion Ratio Lower Upper
188 100
94 7.3 7.0 10.4
80 8.8 8.8 13.2

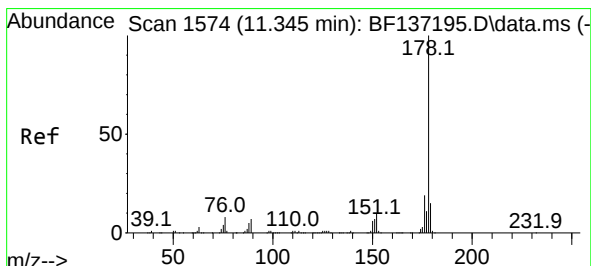
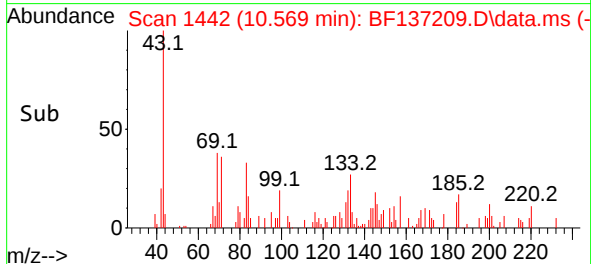
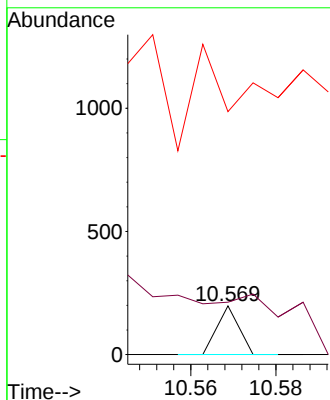
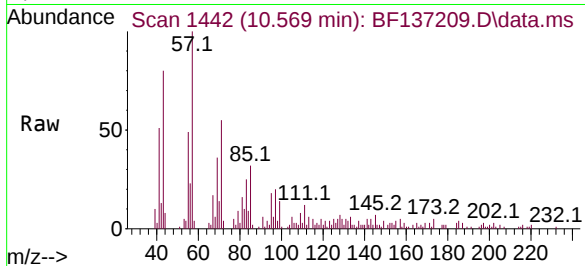




#65
4,6-Dinitro-2-methylphenol
Concen: 5.532 ng
RT: 10.569 min Scan# 1417
Delta R.T. 0.147 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

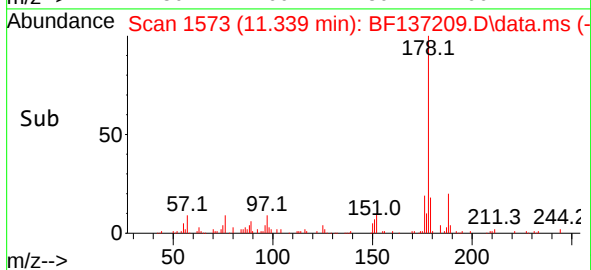
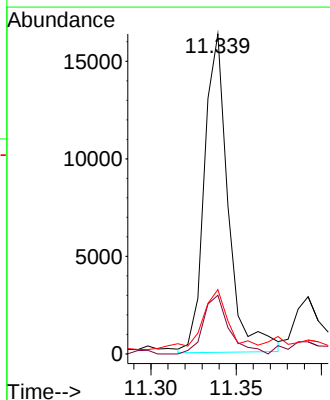
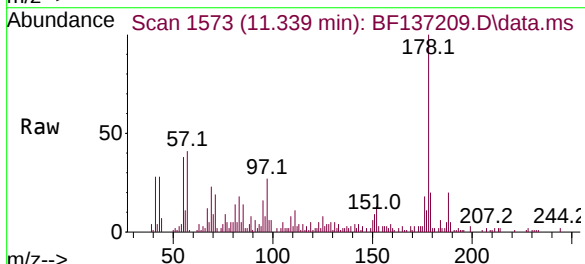
Instrument :
BNA_F
ClientSampleId :
OK-02-013024

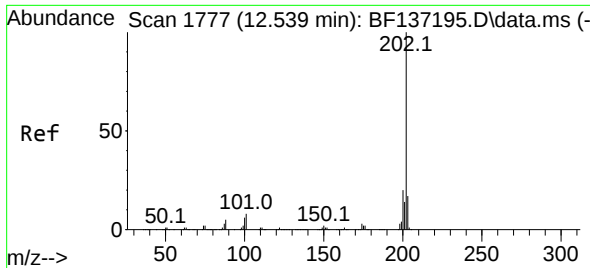
Tgt Ion:198 Resp: 70
Ion Ratio Lower Upper
198 100
51 107.6 40.9 80.9#
105 498.0 26.5 66.5#



#71
Phenanthrene
Concen: 2.012 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

Tgt Ion:178 Resp: 15915
Ion Ratio Lower Upper
178 100
176 18.3 15.1 22.7
179 20.1 12.1 18.1#

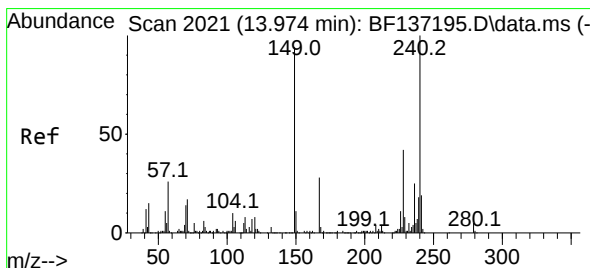
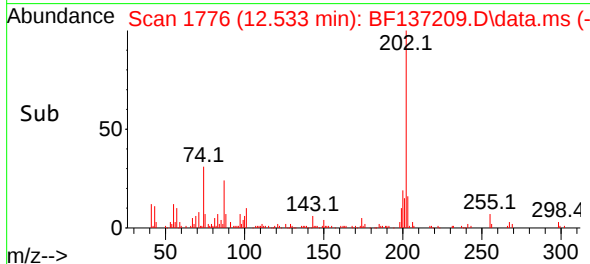
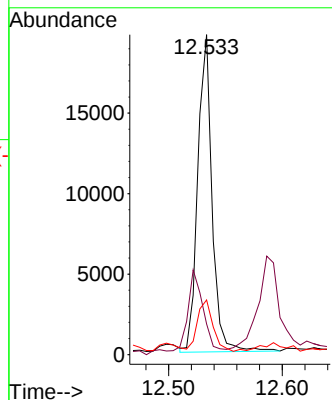
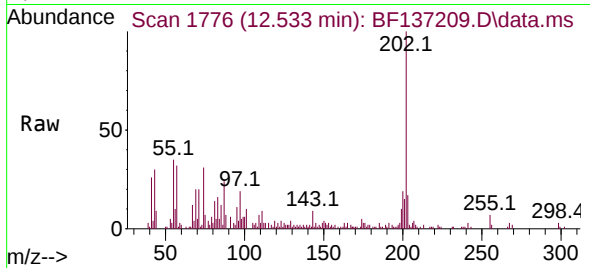




#75
Fluoranthene
Concen: 2.079 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

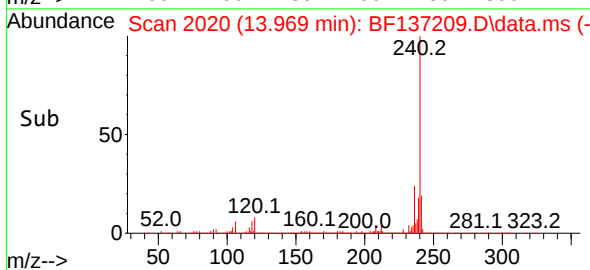
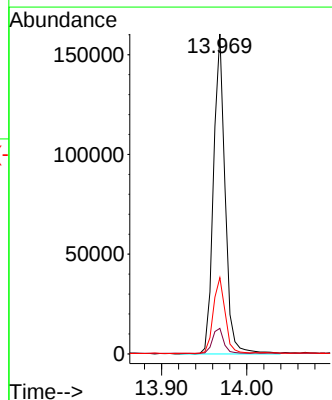
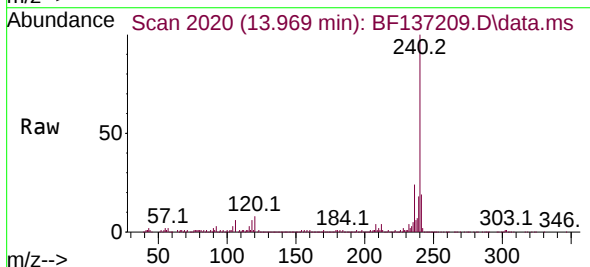
Instrument :
BNA_F
ClientSampleId :
OK-02-013024

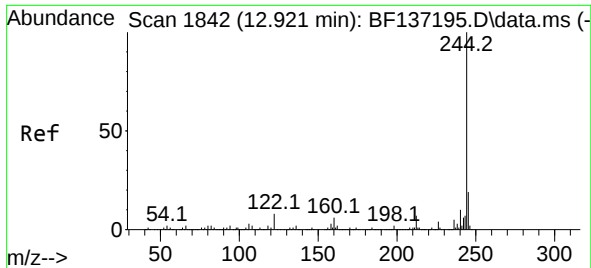
Tgt Ion:202 Resp: 17206
Ion Ratio Lower Upper
202 100
101 9.6 0.0 28.4
203 17.1 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF137209.D
Acq: 31 Jan 2024 14:34

Tgt Ion:240 Resp: 151734
Ion Ratio Lower Upper
240 100
120 8.0 6.3 9.5
236 23.8 20.3 30.5

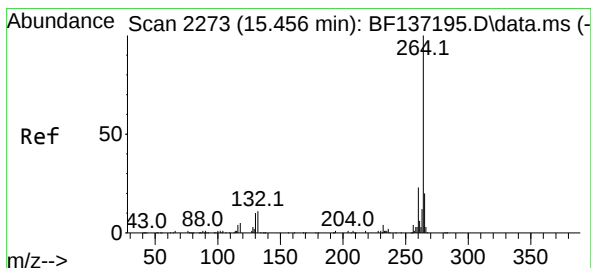
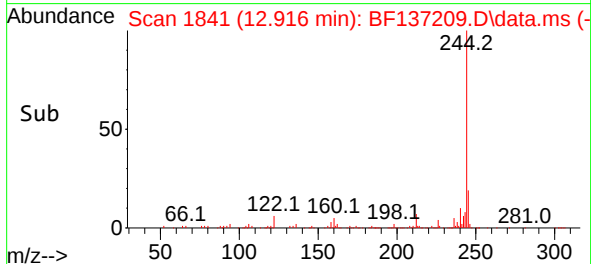
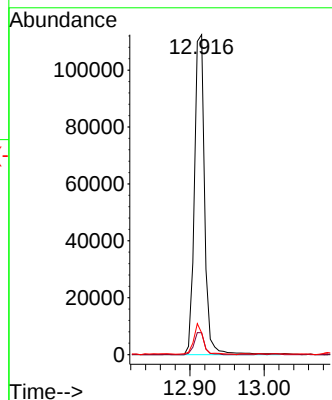
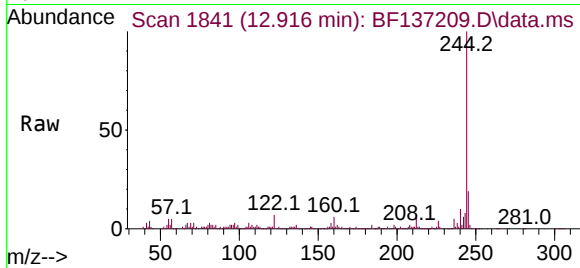




#79
 Terphenyl-d14
 Concen: 9.605 ng
 RT: 12.916 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF137209.D
 Acq: 31 Jan 2024 14:34

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-013024

Tgt Ion:244 Resp: 107204
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 6.8 6.2 9.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 2272
 Delta R.T. -0.006 min
 Lab File: BF137209.D
 Acq: 31 Jan 2024 14:34

Tgt Ion:264 Resp: 122438
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.2 27.4
 265 22.0 16.2 24.2

