

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
 Data File : BF131099.D
 Acq On : 09 Nov 2022 21:35
 Operator : CG\JU
 Sample : N5441-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5486-5

Quant Time: Nov 10 04:33:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 04:15:17 2022
 Response via : Initial Calibration

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

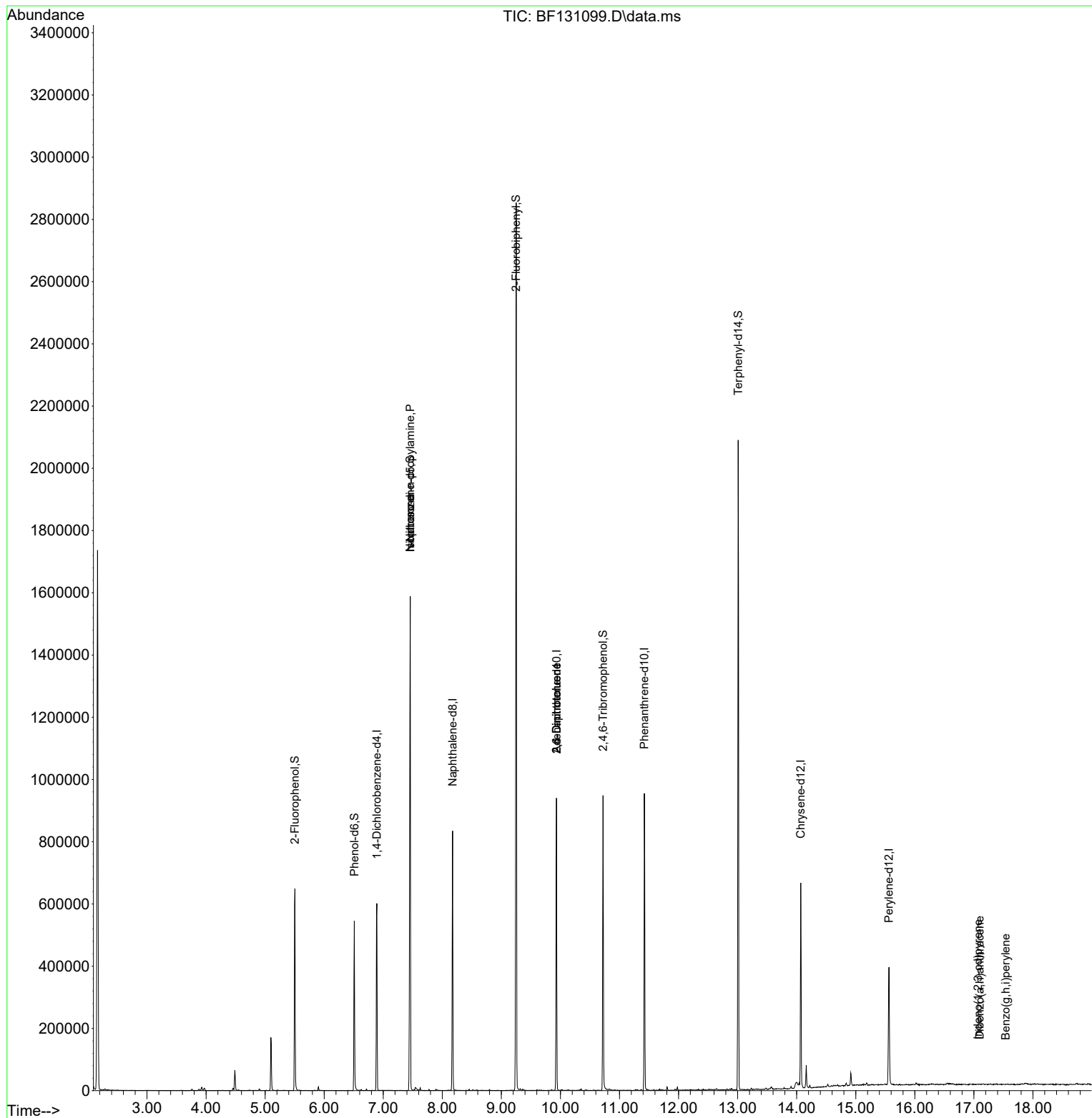
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	85353	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	325525	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	176286	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	325825	20.000	ng	0.00
76) Chrysene-d12	14.068	240	213633	20.000	ng	-0.01
86) Perylene-d12	15.562	264	166420	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	159029	31.686	ng	0.00
7) Phenol-d6	6.510	99	153032	23.322	ng	-0.01
23) Nitrobenzene-d5	7.457	82	501843	69.557	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	99016	54.349	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	827620	65.538	ng	0.00
79) Terphenyl-d14	13.010	244	699174	57.382	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	69384	16.105	ng	# 76
25) Isophorone	7.457	82	501918	44.992	ng	# 68
51) 2,6-Dinitrotoluene	9.933	165	22851	8.292	ng	# 14
57) 2,4-Dinitrotoluene	9.933	165	22851	6.238	ng	# 16
87) Indeno(1,2,3-cd)pyrene	17.068	276	349	3.888	ng	# 52
91) Dibenzo(a,h)anthracene	17.098	278	327	3.866	ng	# 57
92) Benzo(g,h,i)perylene	17.539	276	283	4.388	ng	# 55

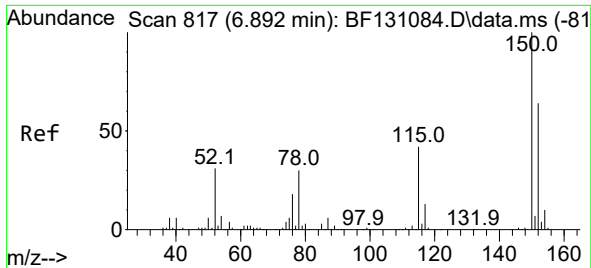
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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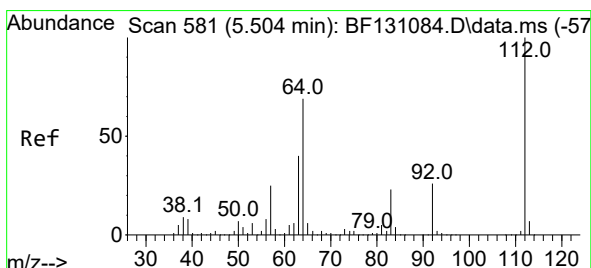
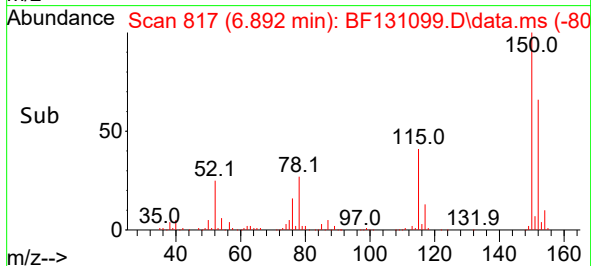
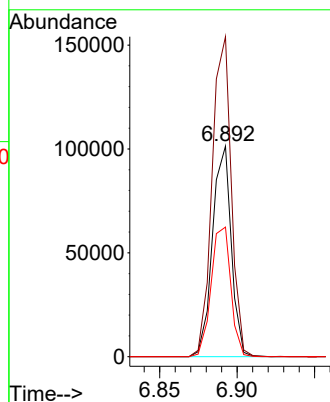
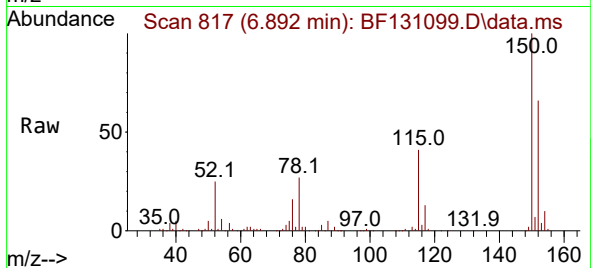




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 817
 Delta R.T. 0.000 min
 Lab File: BF131099.D
 Acq: 09 Nov 2022 21:35

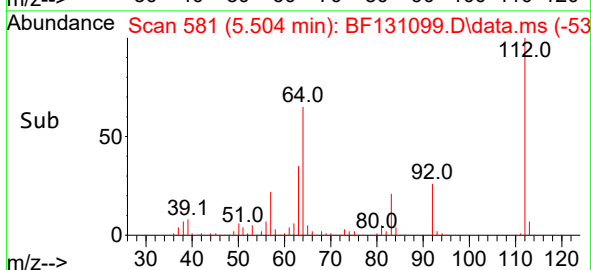
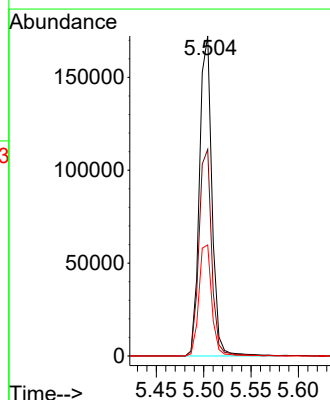
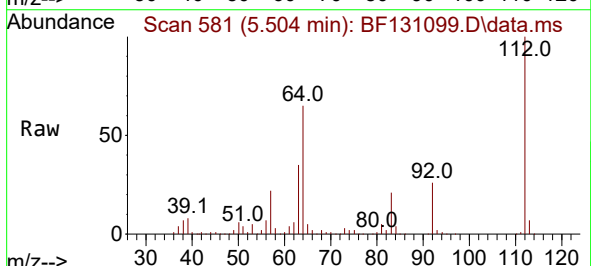
Instrument :
 BNA_F
 ClientSampleId :
 5486-5

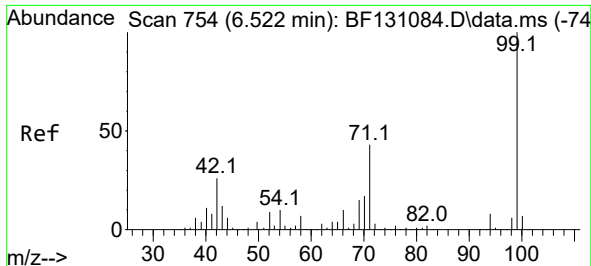
Tgt Ion:152 Resp: 85353
 Ion Ratio Lower Upper
 152 100
 150 151.9 125.5 188.3
 115 61.6 52.2 78.2



#5
 2-Fluorophenol
 Concen: 31.686 ng
 RT: 5.504 min Scan# 581
 Delta R.T. 0.000 min
 Lab File: BF131099.D
 Acq: 09 Nov 2022 21:35

Tgt Ion:112 Resp: 159029
 Ion Ratio Lower Upper
 112 100
 64 64.6 55.1 82.7
 63 34.7 32.4 48.6

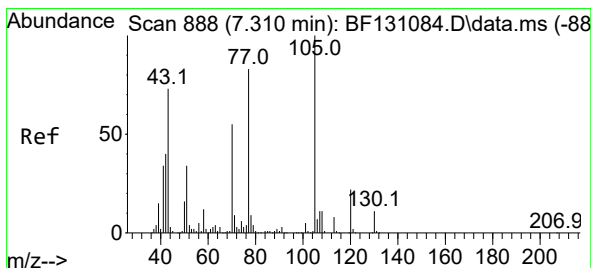
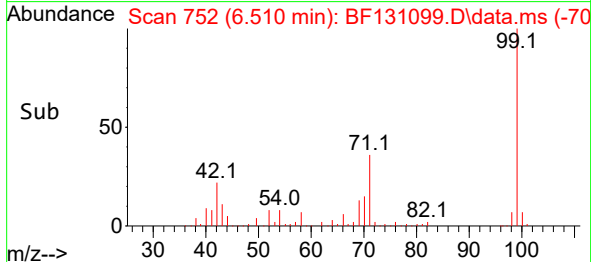
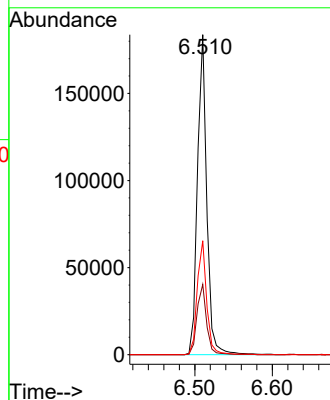
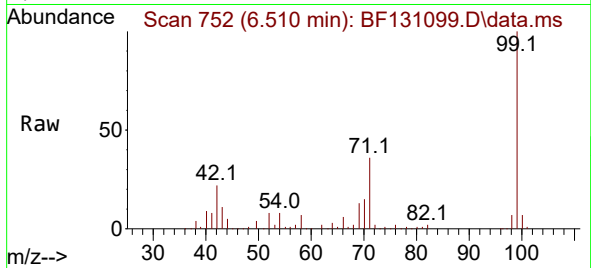




#7
Phenol-d6
Concen: 23.322 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF131099.D
Acq: 09 Nov 2022 21:35

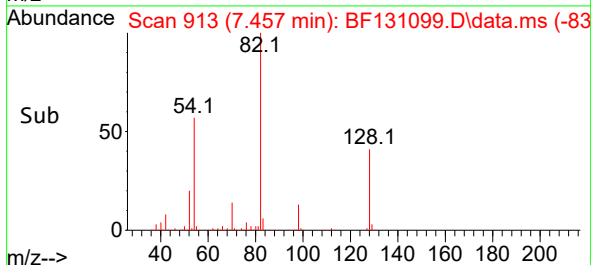
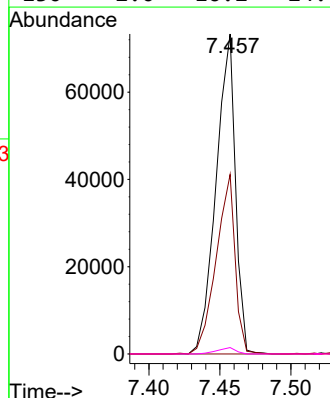
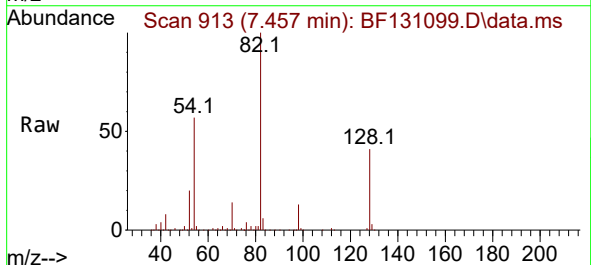
Instrument :
BNA_F
ClientSampleId :
5486-5

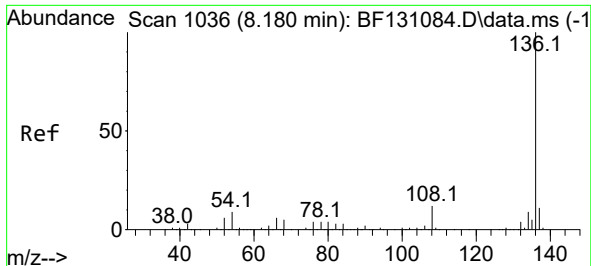
Tgt Ion: 99 Resp: 153032
Ion Ratio Lower Upper
99 100
42 22.0 20.8 31.2
71 35.6 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.105 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.147 min
Lab File: BF131099.D
Acq: 09 Nov 2022 21:35

Tgt Ion: 70 Resp: 69384
Ion Ratio Lower Upper
70 100
42 56.1 58.3 87.5#
101 0.0 7.4 11.2#
130 2.0 16.2 24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF131099.D

Acq: 09 Nov 2022 21:35

Instrument :

BNA_F

ClientSampleId :

5486-5

Tgt Ion:136 Resp: 325525

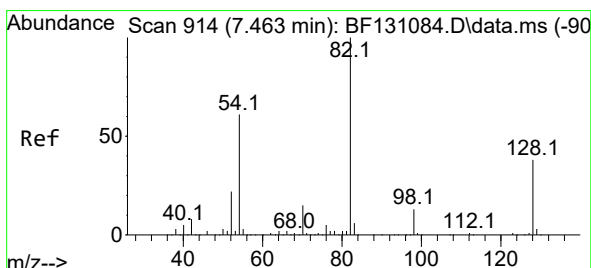
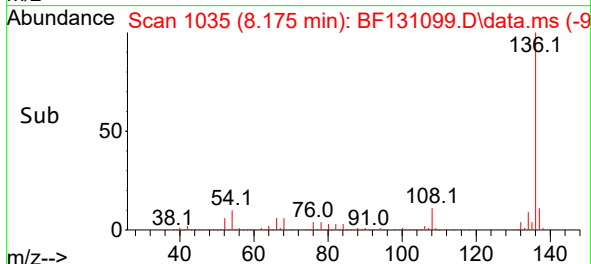
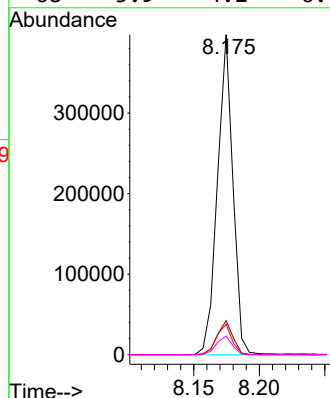
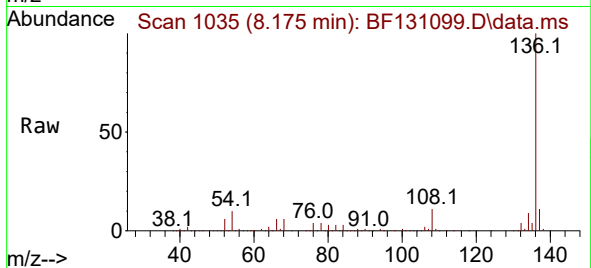
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 9.5 7.2 10.8

68 5.9 4.2 6.4



#23

Nitrobenzene-d5

Concen: 69.557 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF131099.D

Acq: 09 Nov 2022 21:35

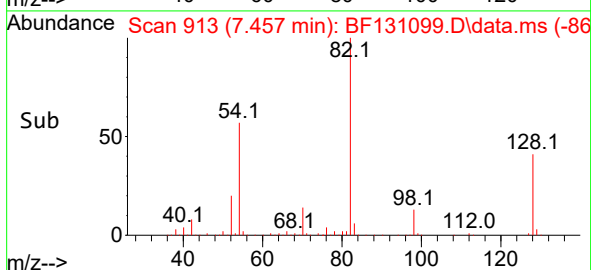
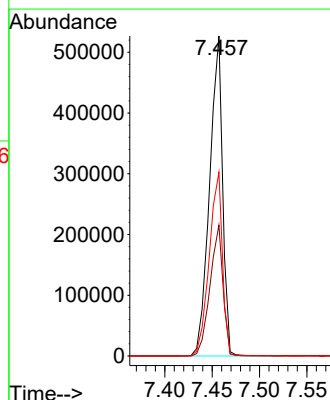
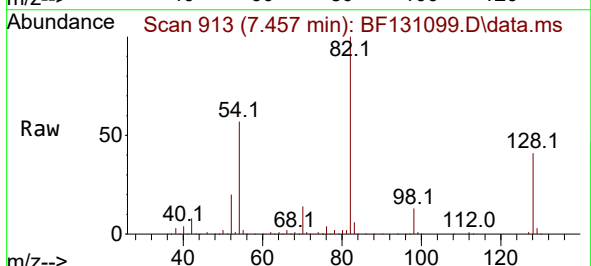
Tgt Ion: 82 Resp: 501843

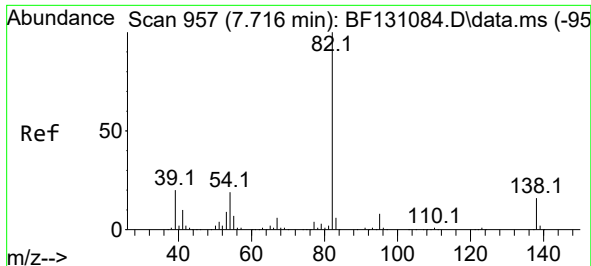
Ion Ratio Lower Upper

82 100

128 40.9 30.5 45.7

54 57.4 49.1 73.7

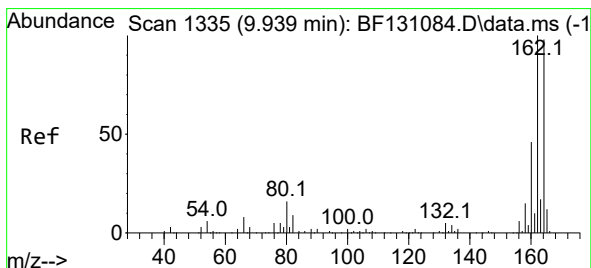
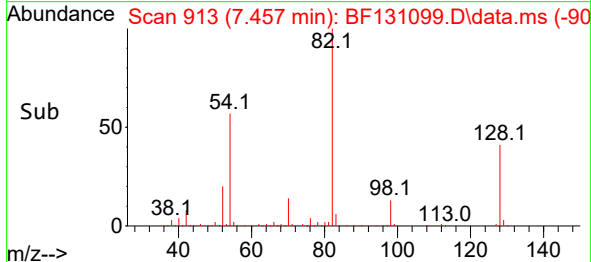
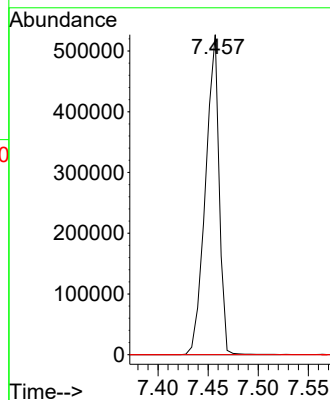
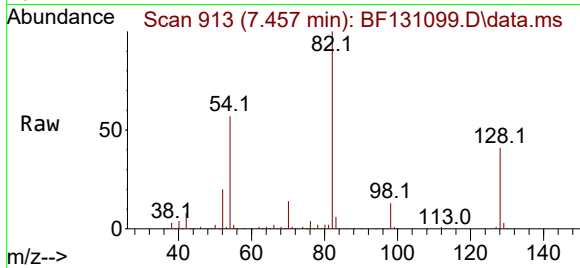




#25
Isophorone
Concen: 44.992 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF131099.D
Acq: 09 Nov 2022 21:35

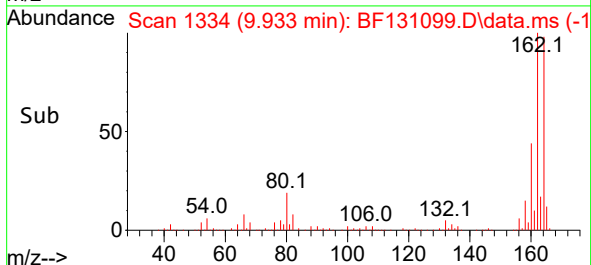
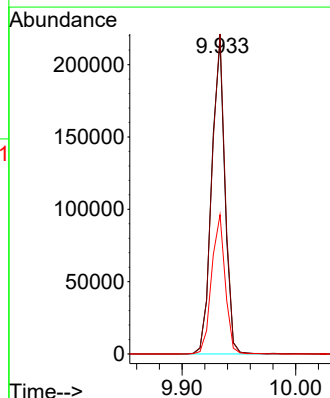
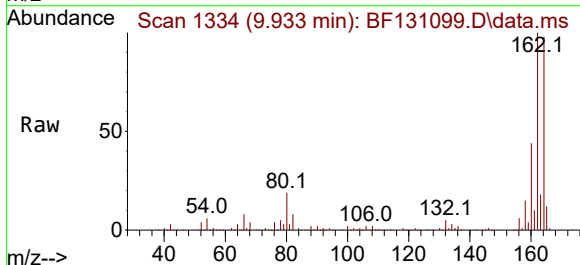
Instrument :
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ClientSampleId :
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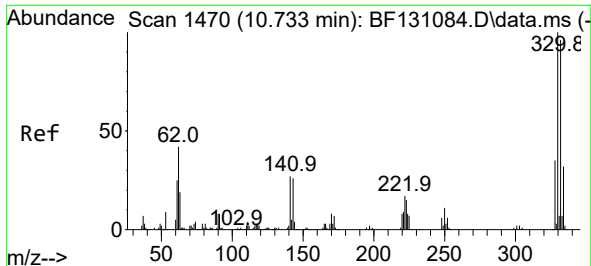
Tgt Ion: 82 Resp: 501918
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF131099.D
Acq: 09 Nov 2022 21:35

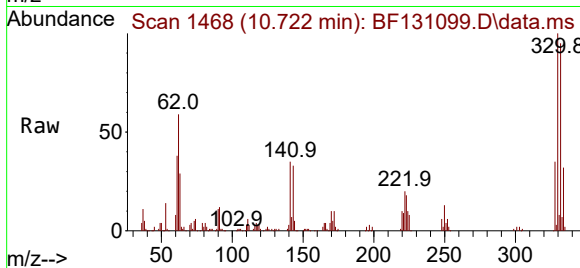
Tgt Ion: 164 Resp: 176286
Ion Ratio Lower Upper
164 100
162 102.2 81.7 122.5
160 44.5 37.4 56.2



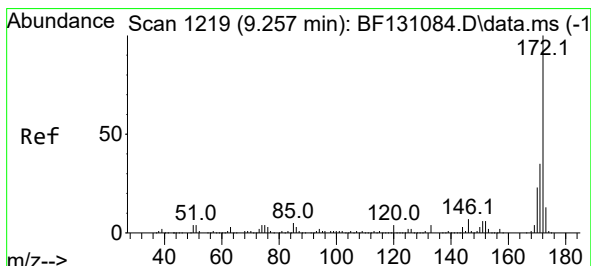
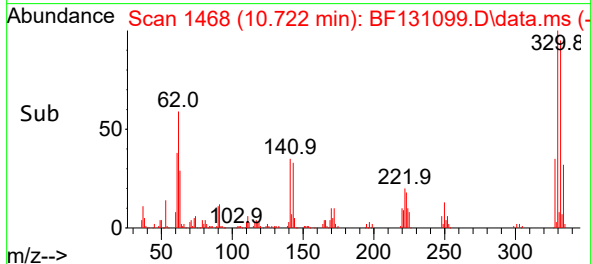
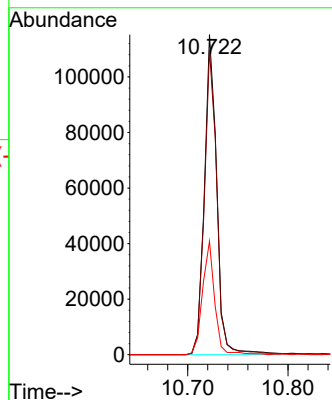


#42
 2,4,6-Tribromophenol
 Concen: 54.349 ng
 RT: 10.722 min Scan# 1468
 Delta R.T. -0.012 min
 Lab File: BF131099.D
 Acq: 09 Nov 2022 21:35

Instrument :
 BNA_F
 ClientSampleId :
 5486-5

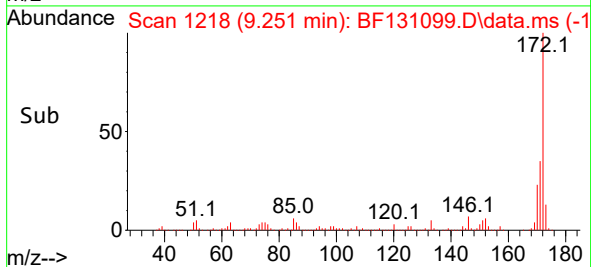
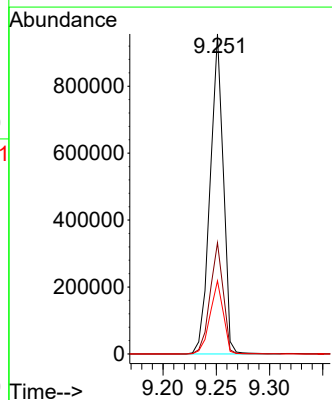
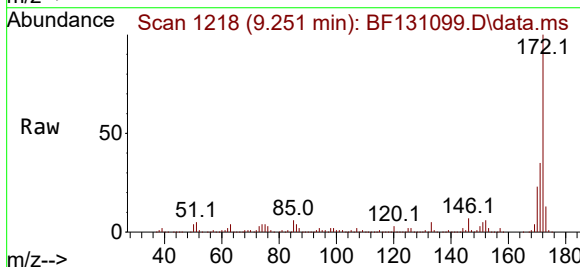


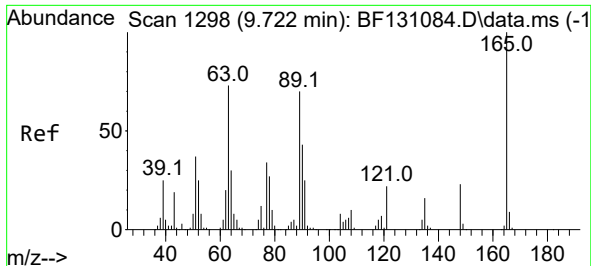
Tgt Ion:330 Resp: 99016
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.4
 141 35.0 28.5 42.7



#45
 2-Fluorobiphenyl
 Concen: 65.538 ng
 RT: 9.251 min Scan# 1218
 Delta R.T. -0.006 min
 Lab File: BF131099.D
 Acq: 09 Nov 2022 21:35

Tgt Ion:172 Resp: 827620
 Ion Ratio Lower Upper
 172 100
 171 34.8 27.7 41.5
 170 22.9 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.292 ng

RT: 9.933 min Scan# 1334

Delta R.T. 0.212 min

Lab File: BF131099.D

Acq: 09 Nov 2022 21:35

Instrument :

BNA_F

ClientSampleId :

5486-5

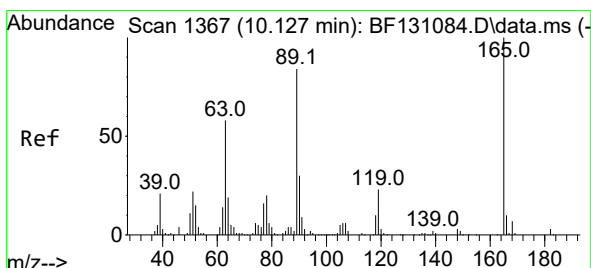
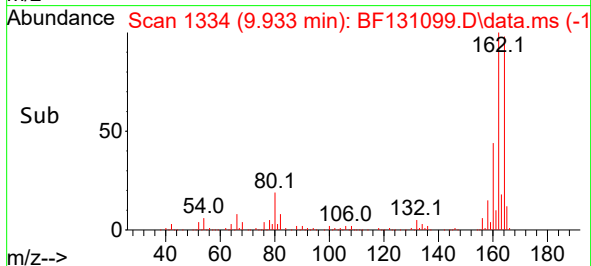
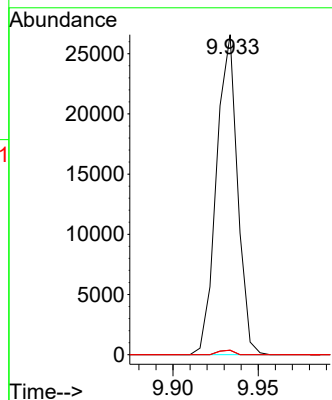
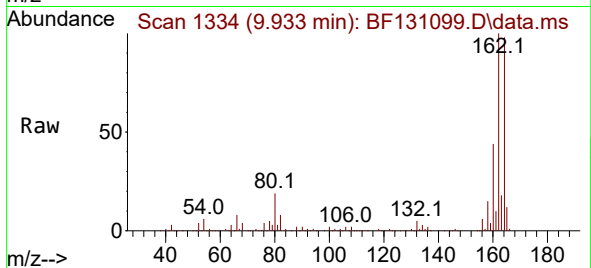
Tgt Ion:165 Resp: 22851

Ion Ratio Lower Upper

165 100

63 1.3 61.4 92.2#

89 1.4 56.0 84.0#



#57

2,4-Dinitrotoluene

Concen: 6.238 ng

RT: 9.933 min Scan# 1334

Delta R.T. -0.194 min

Lab File: BF131099.D

Acq: 09 Nov 2022 21:35

Tgt Ion:165 Resp: 22851

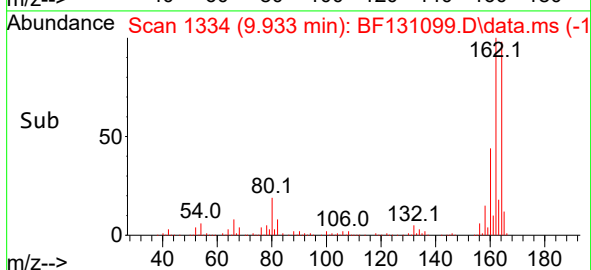
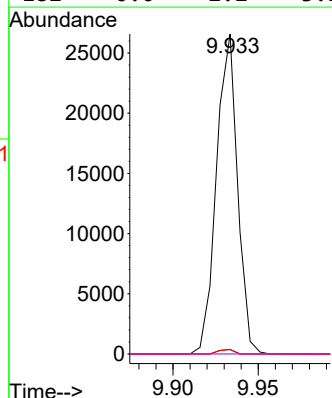
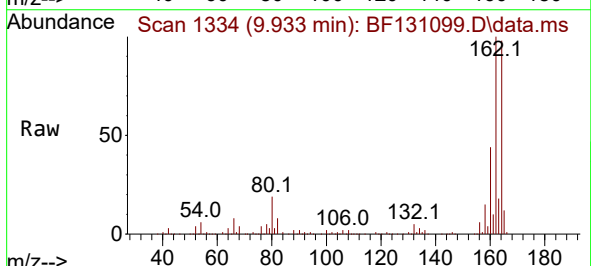
Ion Ratio Lower Upper

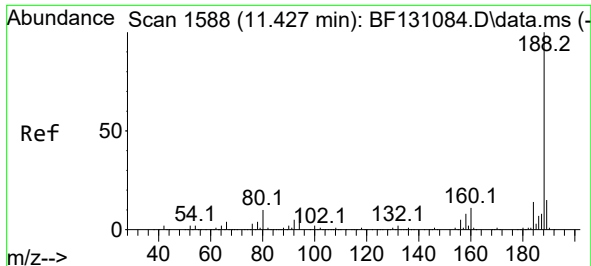
165 100

63 1.3 46.9 70.3#

89 1.4 66.9 100.3#

182 0.0 2.2 3.2#

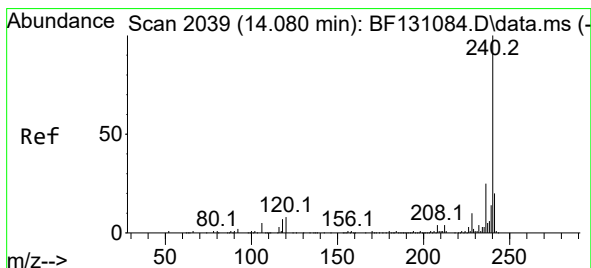
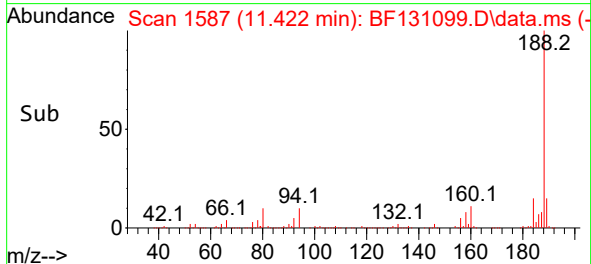
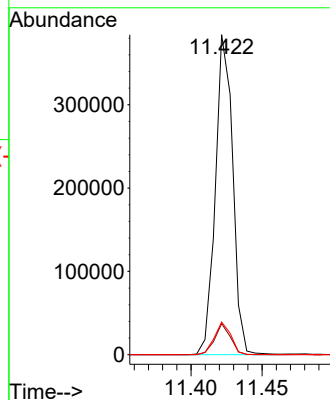
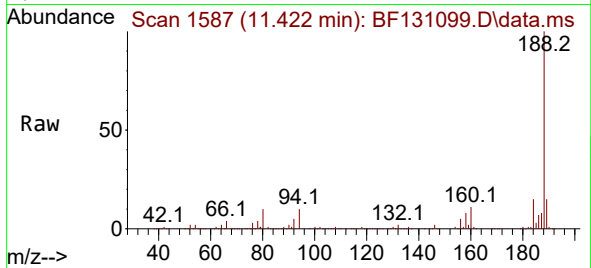




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF131099.D
Acq: 09 Nov 2022 21:35

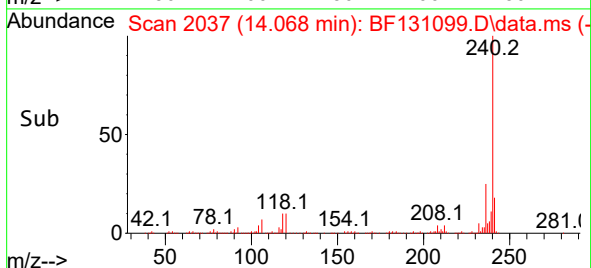
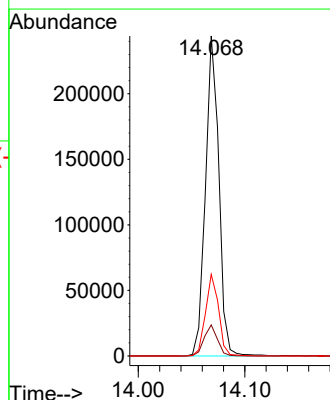
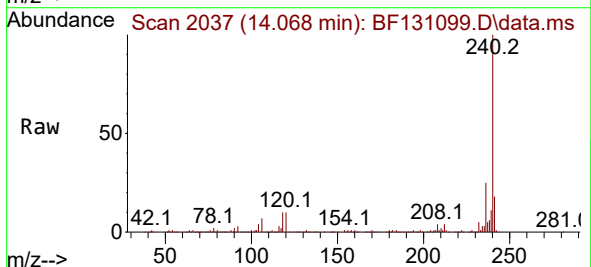
Instrument :
BNA_F
ClientSampleId :
5486-5

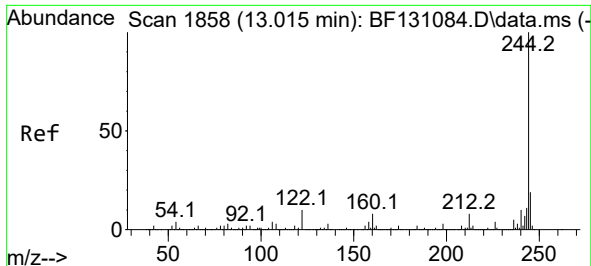
Tgt Ion:188 Resp: 325825
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.6
80 10.2 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF131099.D
Acq: 09 Nov 2022 21:35

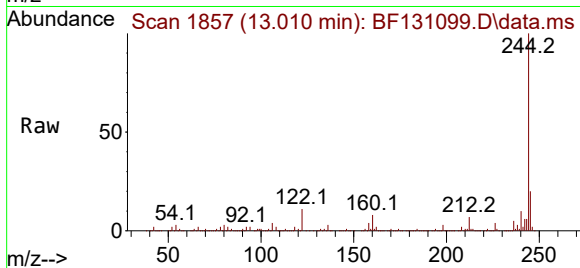
Tgt Ion:240 Resp: 213633
Ion Ratio Lower Upper
240 100
120 9.7 6.5 9.7
236 25.5 19.7 29.5



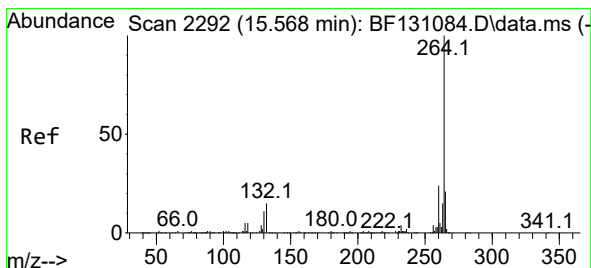
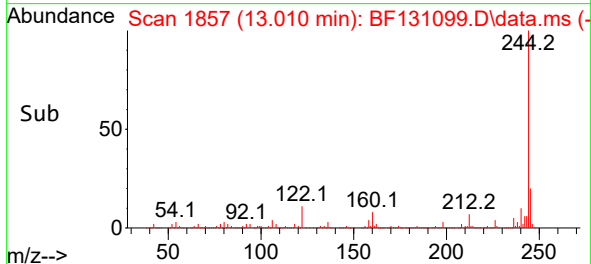
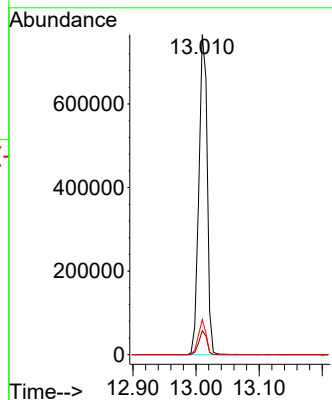


#79
 Terphenyl-d14
 Concen: 57.382 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BF131099.D
 Acq: 09 Nov 2022 21:35

Instrument :
 BNA_F
 ClientSampleId :
 5486-5

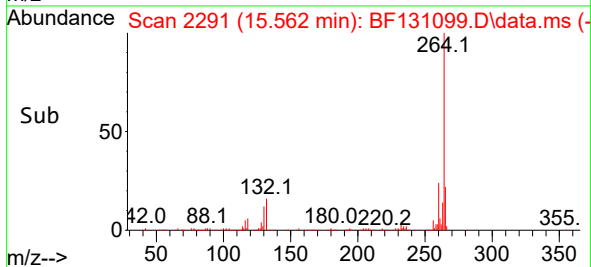
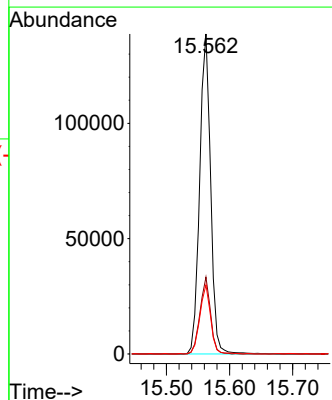
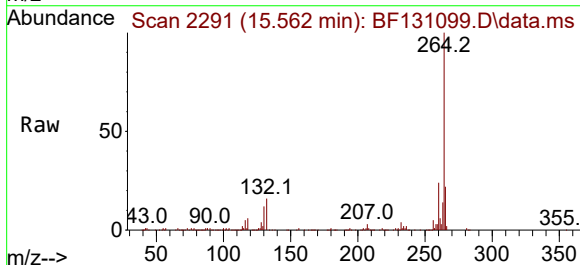


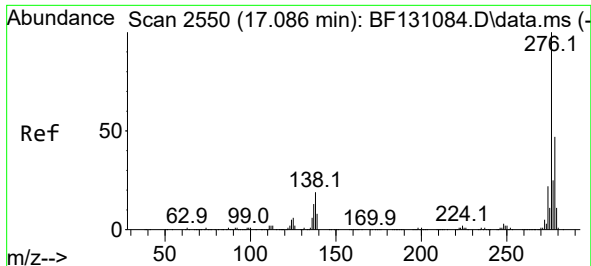
Tgt Ion:244 Resp: 699174
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 10.9 7.8 11.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2291
 Delta R.T. -0.006 min
 Lab File: BF131099.D
 Acq: 09 Nov 2022 21:35

Tgt Ion:264 Resp: 166420
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.1 28.7
 265 21.6 16.7 25.1

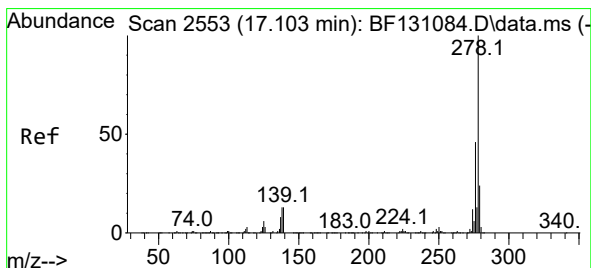
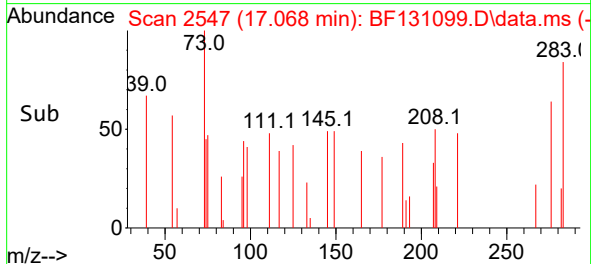
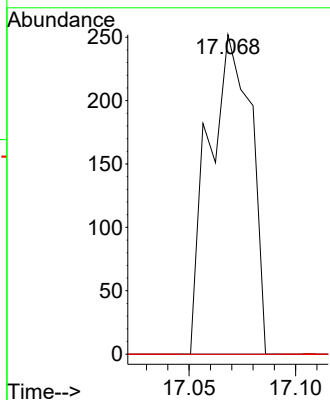
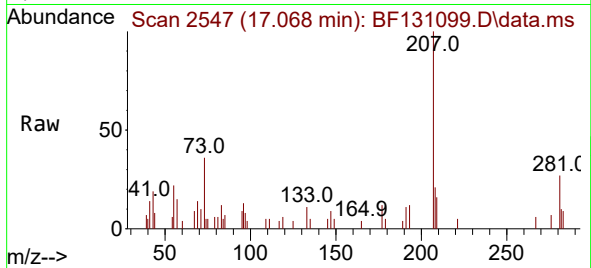




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.888 ng
 RT: 17.068 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF131099.D
 Acq: 09 Nov 2022 21:35

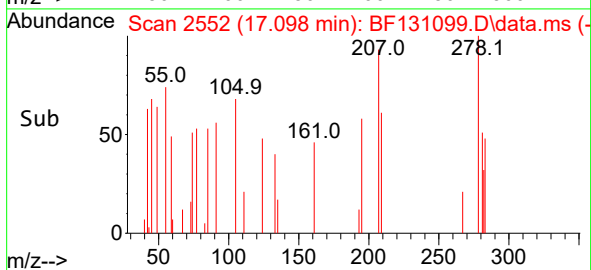
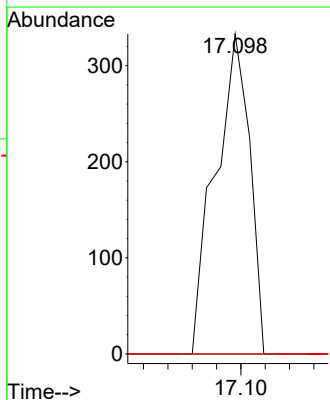
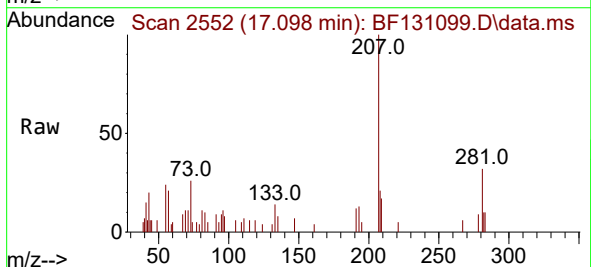
Instrument :
 BNA_F
 ClientSampleId :
 5486-5

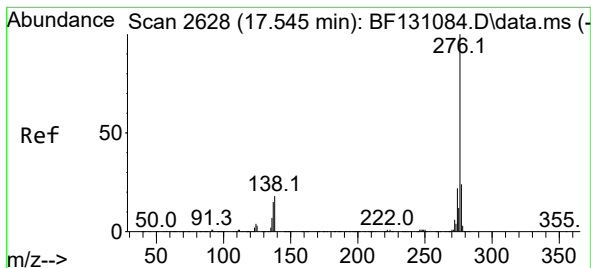
Tgt Ion:276 Resp: 349
 Ion Ratio Lower Upper
 276 100
 138 0.0 16.9 25.3#
 277 0.0 20.3 30.5#



#91
 Dibenzo(a,h)anthracene
 Concen: 3.866 ng
 RT: 17.098 min Scan# 2552
 Delta R.T. -0.005 min
 Lab File: BF131099.D
 Acq: 09 Nov 2022 21:35

Tgt Ion:278 Resp: 327
 Ion Ratio Lower Upper
 278 100
 139 0.0 10.8 16.2#
 279 0.0 19.2 28.8#





#92

Benzo(g,h,i)perylene

Concen: 4.388 ng

RT: 17.539 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF131099.D

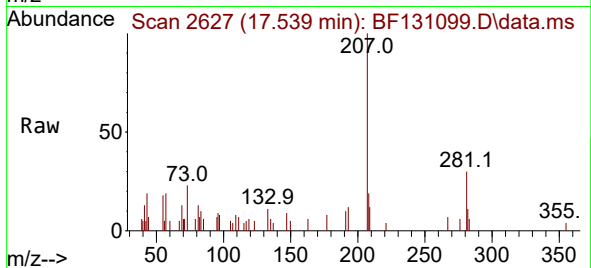
Acq: 09 Nov 2022 21:35

Instrument :

BNA_F

ClientSampleId :

5486-5



Tgt Ion:276 Resp: 283

Ion Ratio Lower Upper

276 100

277 0.0 19.0 28.4#

138 0.0 14.6 21.8#

