

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129819.D
 Acq On : 16 Aug 2022 19:43
 Operator : CG\JU
 Sample : N4198-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GFD-TOTES

Quant Time: Aug 17 02:36:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

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

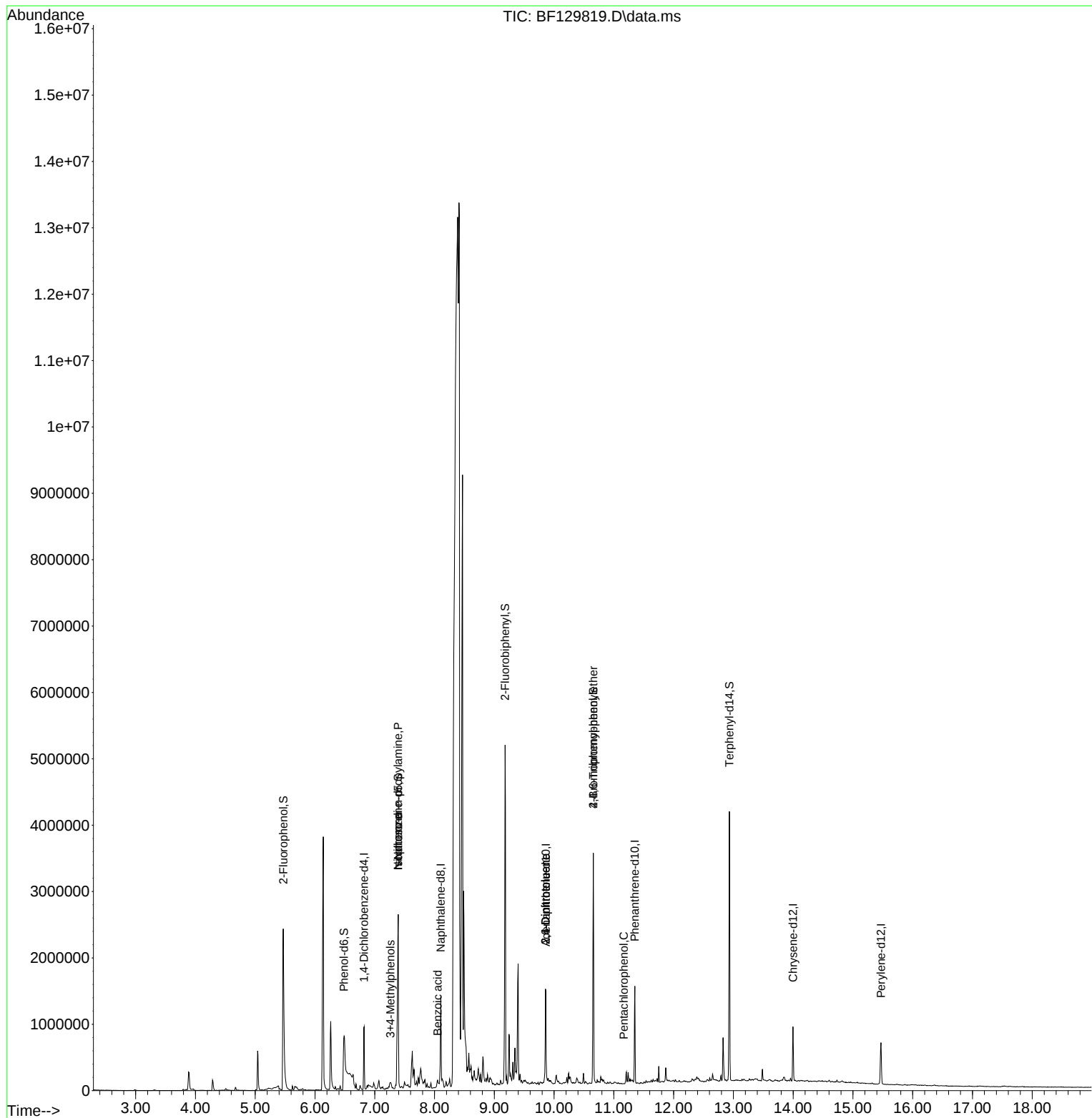
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	149456	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	589078	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	304523	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	489925	20.000	ng	0.00
76) Chrysene-d12	13.998	240	259091	20.000	ng	0.00
86) Perylene-d12	15.468	264	283642	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1044944	115.761	ng	0.00
7) Phenol-d6	6.487	99	843862	74.651	ng	0.00
23) Nitrobenzene-d5	7.392	82	916171	83.256	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	419637	137.300	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1668246	83.204	ng	0.00
79) Terphenyl-d14	12.933	244	1372529	88.147	ng	0.00
Target Compounds						
9) Benzaldehyde	6.387	77	5235	Below Cal		Qvalue 95
19) n-Nitroso-di-n-propyla...	7.392	70	123851	17.334 ng	#	76
20) 3+4-Methylphenols	7.263	107	52445	4.842 ng		93
25) Isophorone	7.392	82	912798	48.194 ng	#	65
32) Benzoic acid	8.051	122	24444	10.753 ng		97
51) 2,6-Dinitrotoluene	9.857	165	40581	8.570 ng	#	24
57) 2,4-Dinitrotoluene	9.857	165	40581	6.601 ng	#	19
67) 4-Bromophenyl-phenylether	10.657	248	26420	4.604 ng	#	1
70) Pentachlorophenol	11.169	266	151	5.257 ng	#	20
77) Benzidine	12.716	184	614	Below Cal	#	1

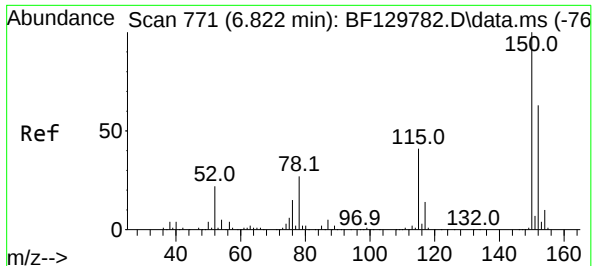
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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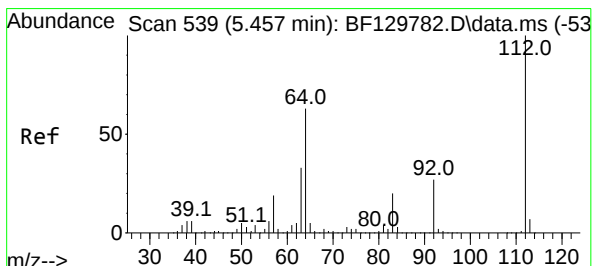
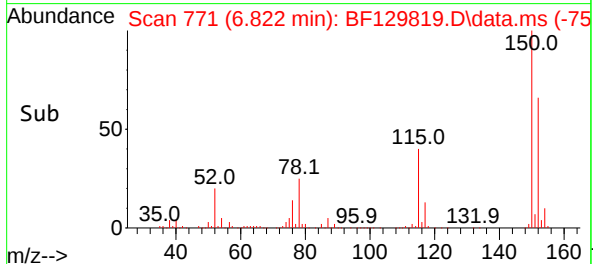
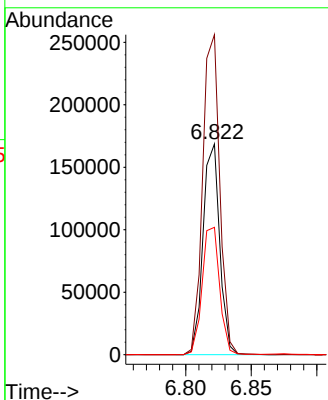
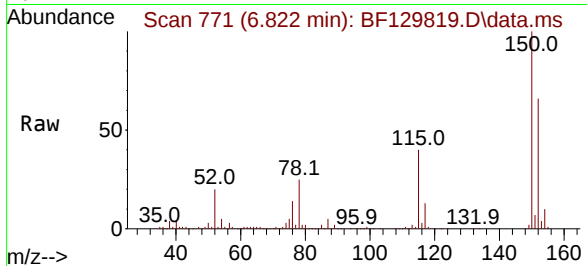




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

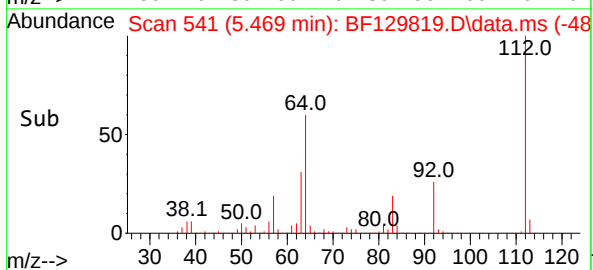
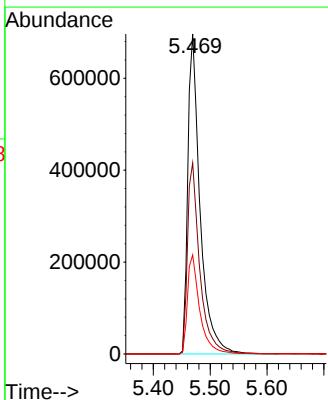
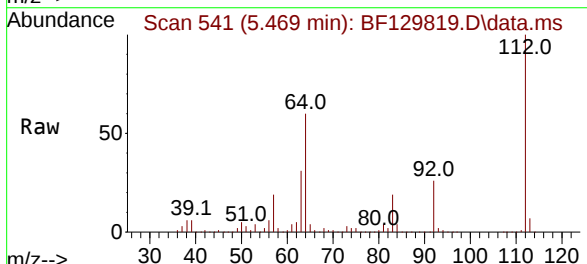
Instrument :
BNA_F
ClientSampleId :
GFD-TOTES

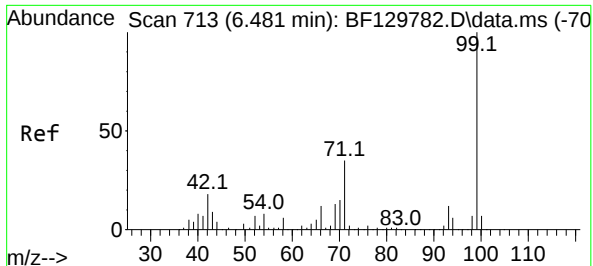
Tgt Ion:152 Resp: 149456
Ion Ratio Lower Upper
152 100
150 151.8 126.9 190.3
115 60.4 53.4 80.0



#5
2-Fluorophenol
Concen: 115.761 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.006 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

Tgt Ion:112 Resp: 1044944
Ion Ratio Lower Upper
112 100
64 59.7 47.6 71.4
63 31.0 24.6 37.0

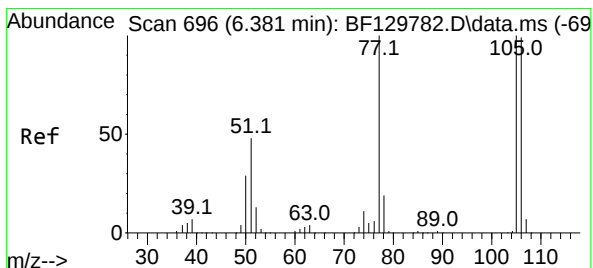
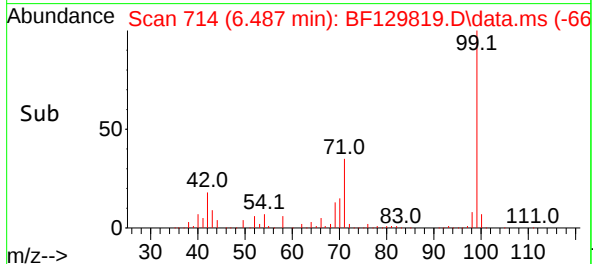
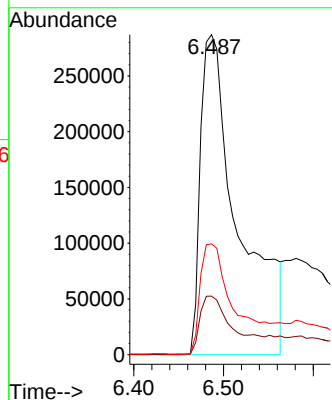
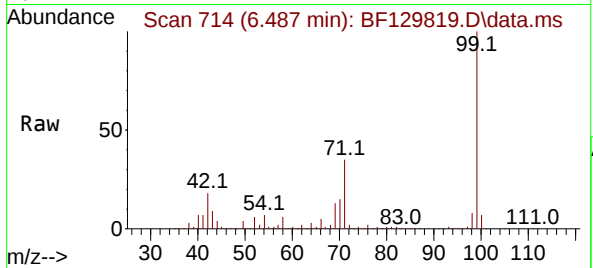




#7
Phenol-d6
Concen: 74.651 ng
RT: 6.487 min Scan# 713
Delta R.T. 0.006 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

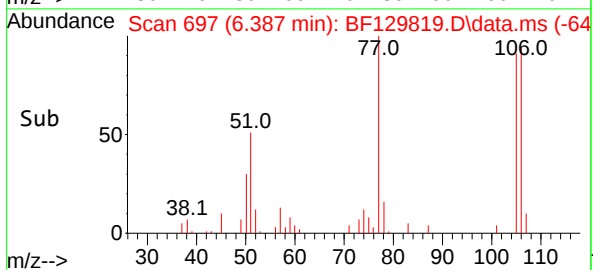
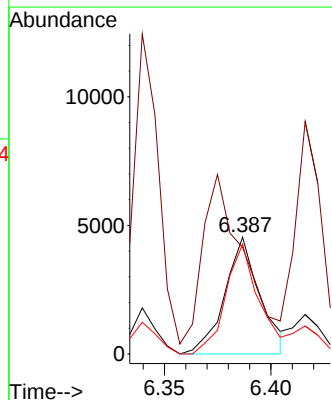
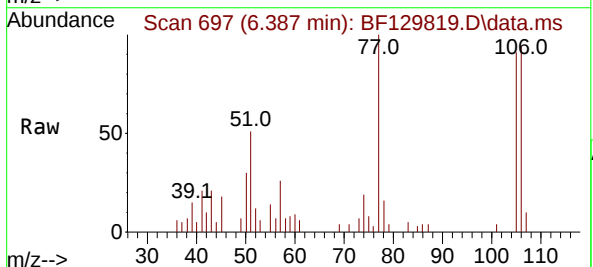
Instrument :
BNA_F
ClientSampleId :
GFD-TOTES

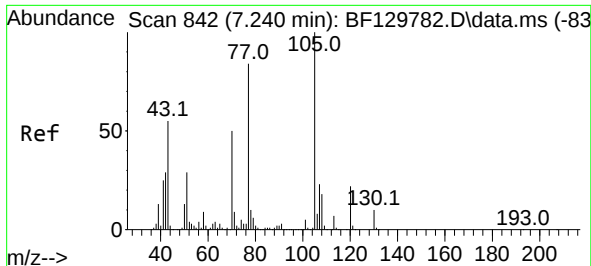
Tgt Ion: 99 Resp: 843862
Ion Ratio Lower Upper
99 100
42 18.3 15.0 22.4
71 34.6 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 697
Delta R.T. 0.006 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

Tgt Ion: 77 Resp: 5235
Ion Ratio Lower Upper
77 100
105 91.2 80.3 120.3
106 94.0 74.3 114.3





#19

n-Nitroso-di-n-propylamine

Concen: 17.334 ng

RT: 7.392 min Scan# 8

Delta R.T. 0.153 min

Lab File: BF129819.D

Acq: 16 Aug 2022 19:43

Instrument :

BNA_F

ClientSampleId :

GFD-TOTES

Tgt Ion: 70 Resp: 123851

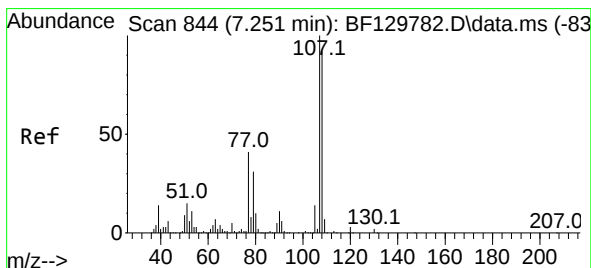
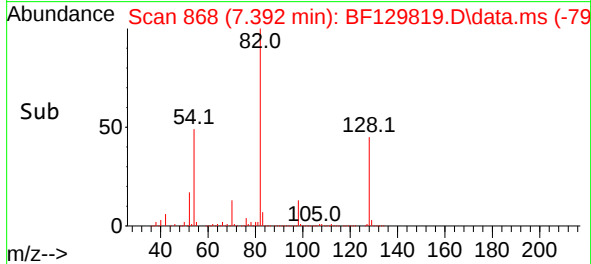
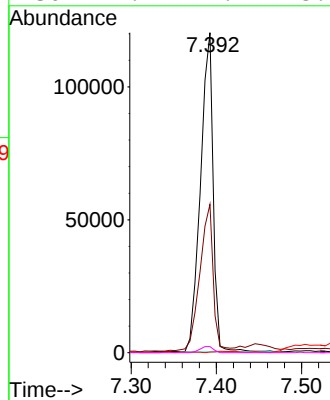
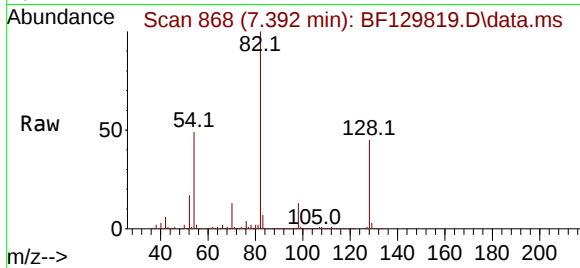
Ion Ratio Lower Upper

70 100

42 46.3 47.6 71.4#

101 0.2 8.1 12.1#

130 1.9 17.2 25.8#



#20

3+4-Methylphenols

Concen: 4.842 ng

RT: 7.263 min Scan# 846

Delta R.T. 0.012 min

Lab File: BF129819.D

Acq: 16 Aug 2022 19:43

Tgt Ion: 107 Resp: 52445

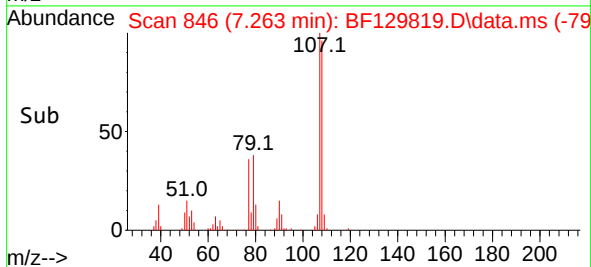
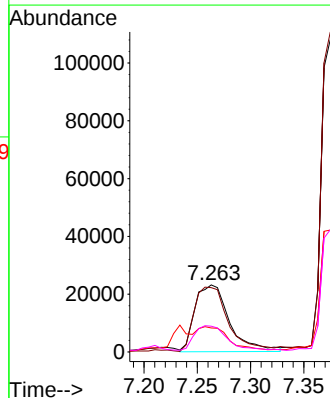
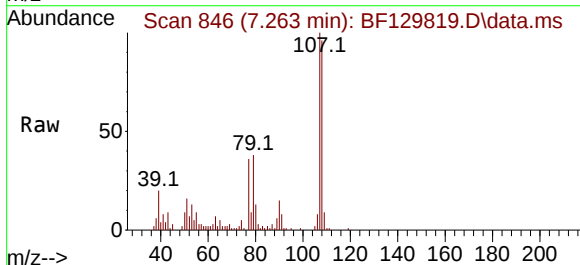
Ion Ratio Lower Upper

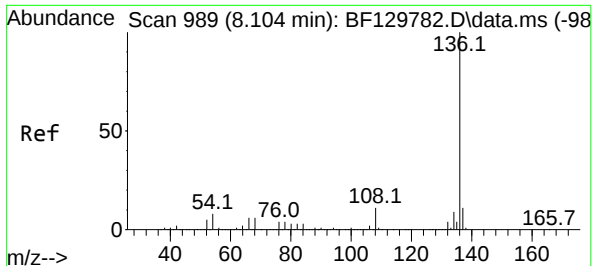
107 100

108 96.0 71.3 111.3

77 35.8 20.4 60.4

79 38.4 11.1 51.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF129819.D

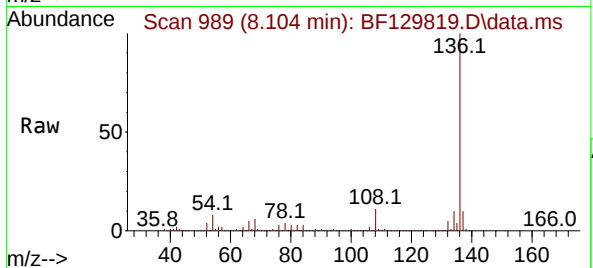
Acq: 16 Aug 2022 19:43

Instrument :

BNA_F

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Tgt Ion:136 Resp: 589078

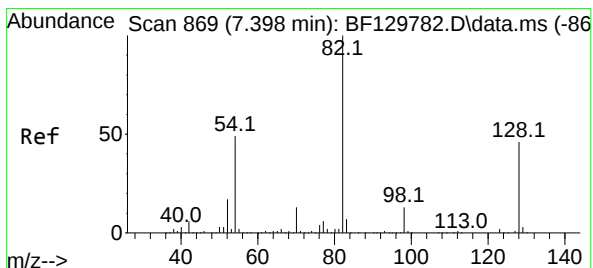
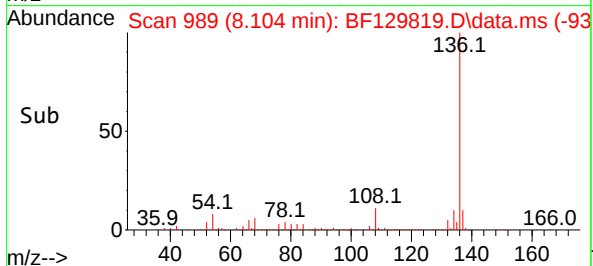
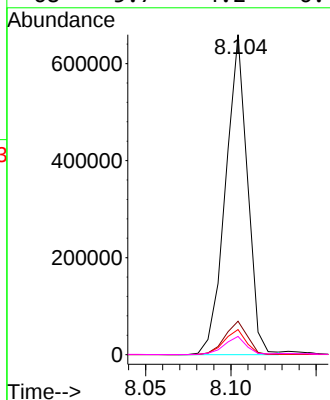
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 7.8 6.2 9.2

68 5.7 4.2 6.4



#23

Nitrobenzene-d5

Concen: 83.256 ng

RT: 7.392 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF129819.D

Acq: 16 Aug 2022 19:43

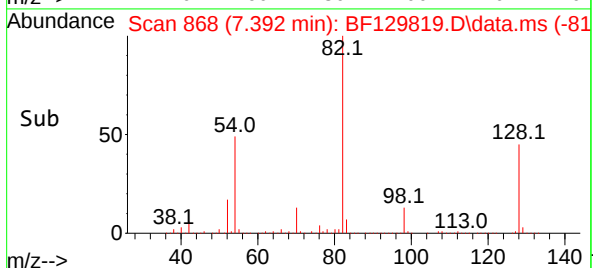
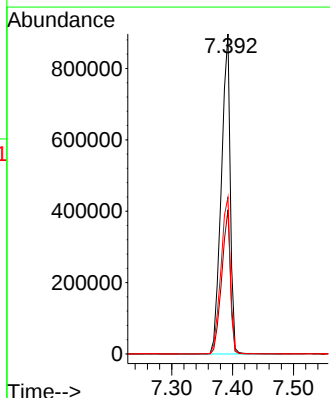
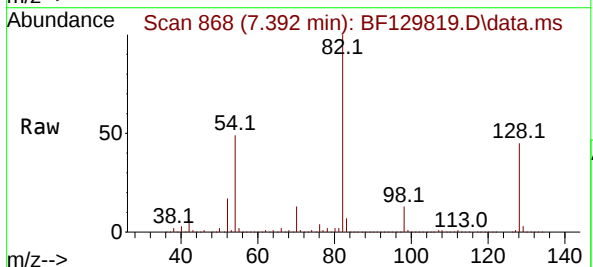
Tgt Ion: 82 Resp: 916171

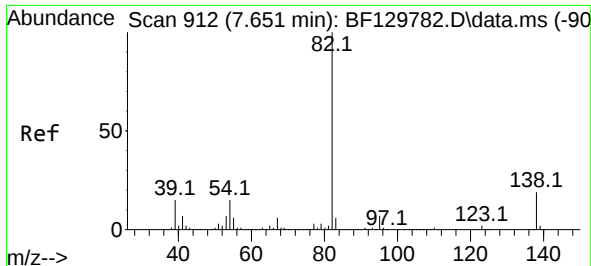
Ion Ratio Lower Upper

82 100

128 45.0 36.1 54.1

54 49.0 40.0 60.0

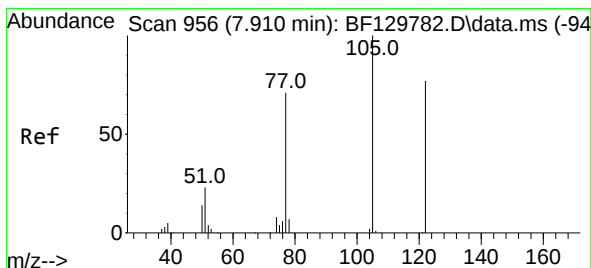
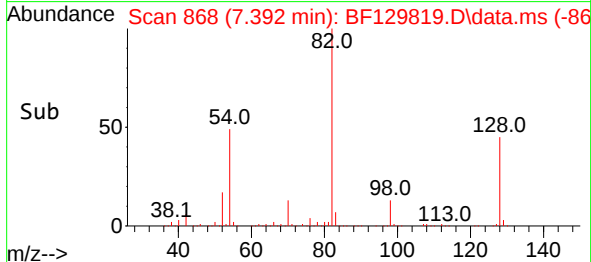
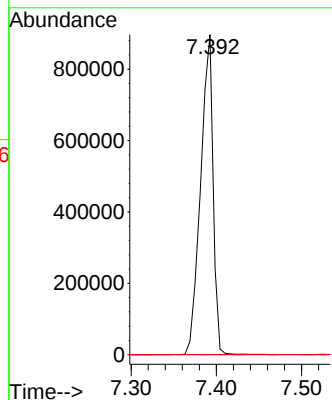
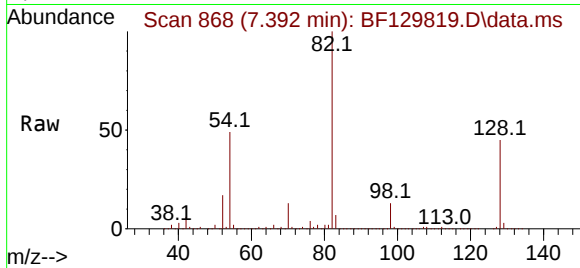




#25
Isophorone
Concen: 48.194 ng
RT: 7.392 min Scan# 80
Delta R.T. -0.259 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

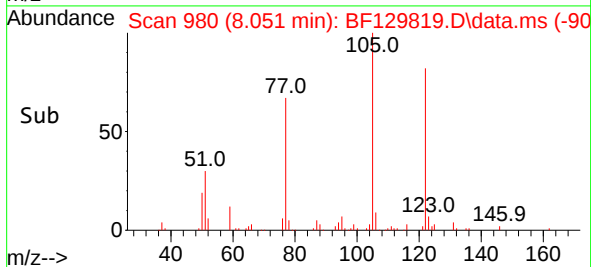
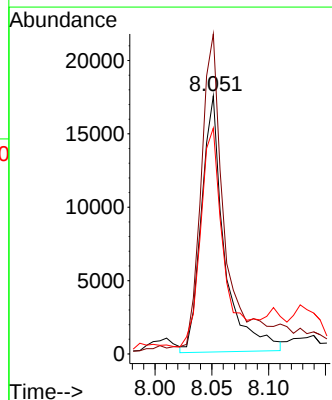
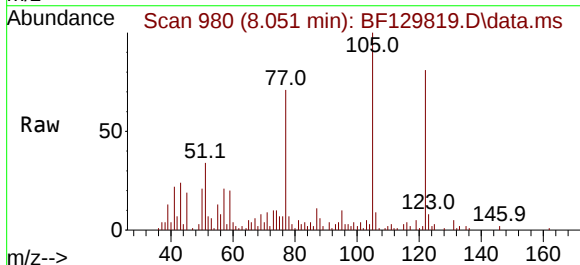
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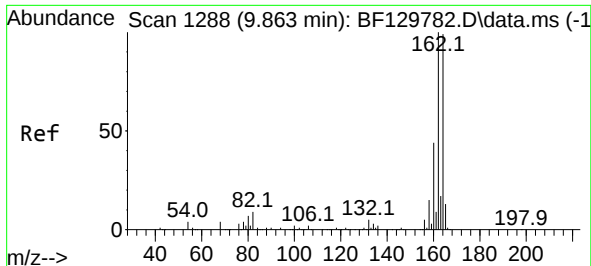
Tgt Ion: 82 Resp: 912798
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 10.753 ng
RT: 8.051 min Scan# 980
Delta R.T. 0.135 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

Tgt Ion:122 Resp: 24444
Ion Ratio Lower Upper
122 100
105 124.0 99.9 139.9
77 87.6 65.9 105.9

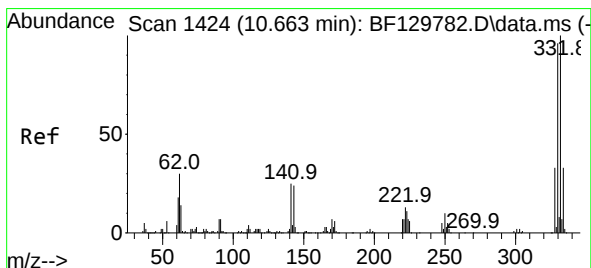
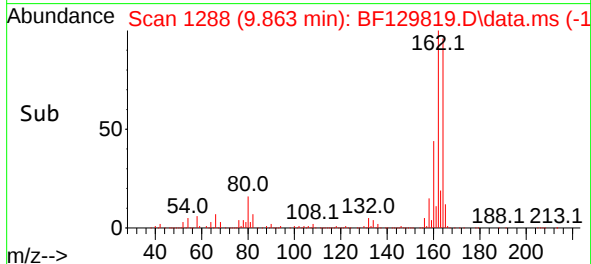
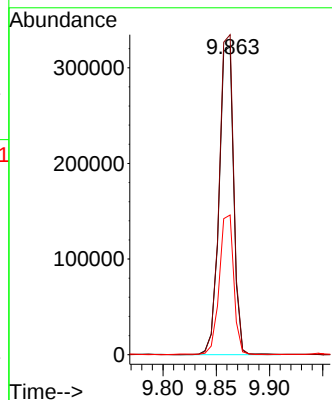
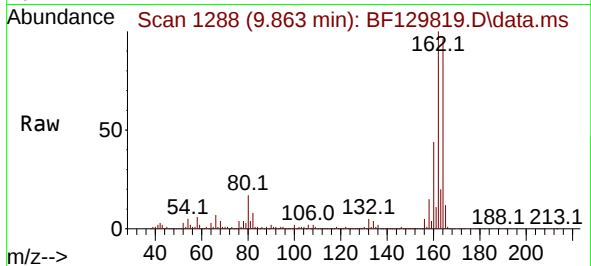




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

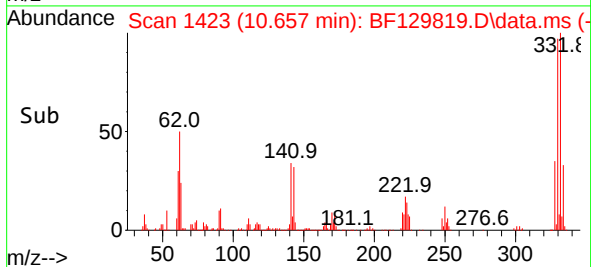
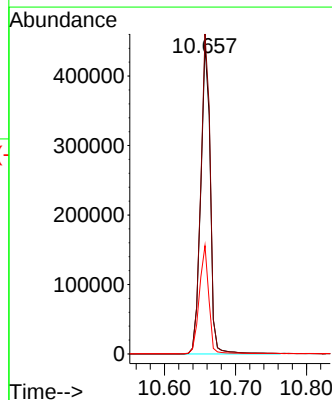
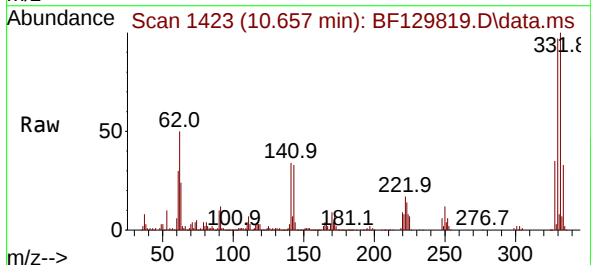
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ClientSampleId :
GFD-TOTES

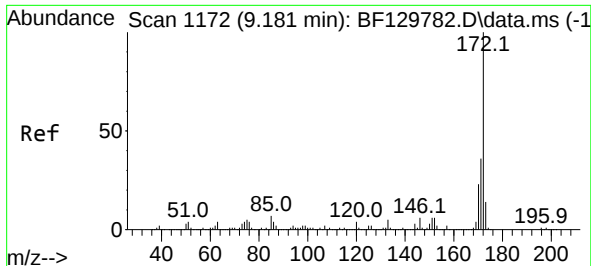
Tgt Ion:164 Resp: 304523
Ion Ratio Lower Upper
164 100
162 103.9 82.0 123.0
160 45.4 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 137.300 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

Tgt Ion:330 Resp: 419637
Ion Ratio Lower Upper
330 100
332 103.4 82.6 124.0
141 34.5 27.6 41.4

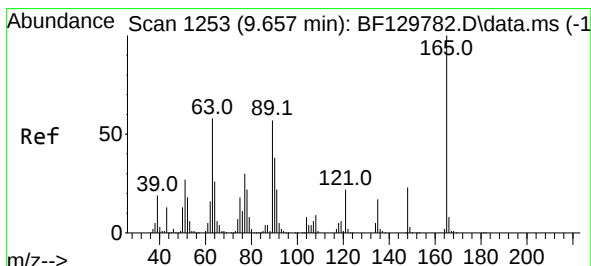
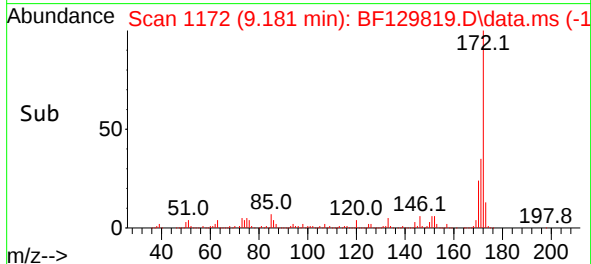
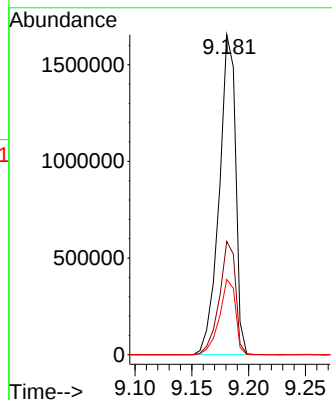
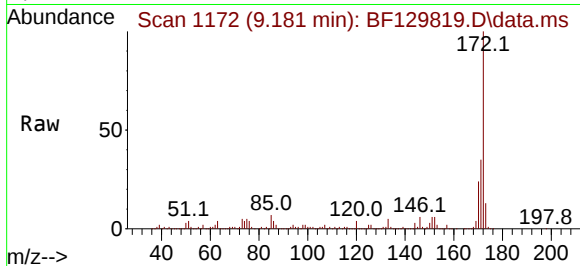




#45
2-Fluorobiphenyl
Concen: 83.204 ng
RT: 9.181 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

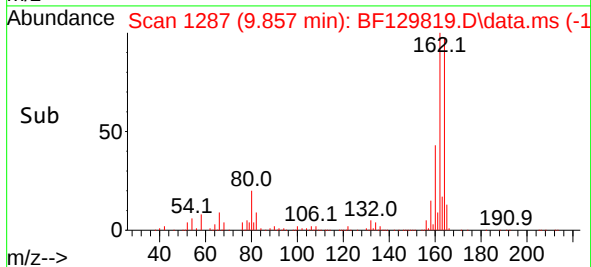
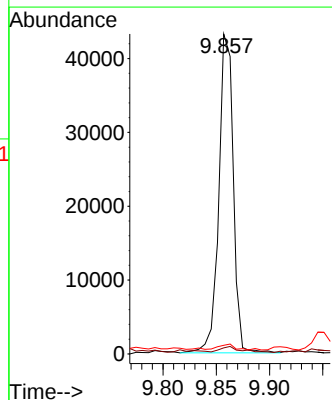
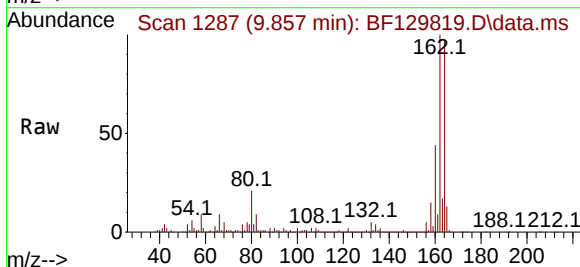
Instrument :
BNA_F
ClientSampleId :
GFD-TOTES

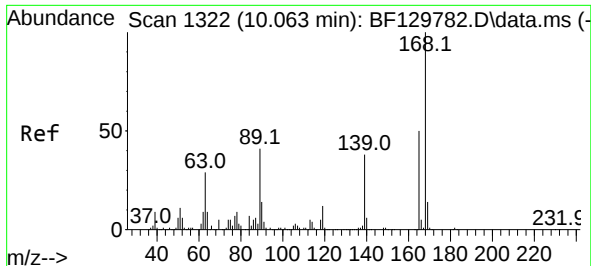
Tgt Ion:172 Resp: 1668246
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.5 19.1 28.7



#51
2,6-Dinitrotoluene
Concen: 8.570 ng
RT: 9.857 min Scan# 1287
Delta R.T. 0.200 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

Tgt Ion:165 Resp: 40581
Ion Ratio Lower Upper
165 100
63 1.9 47.8 71.8#
89 2.7 47.2 70.8#

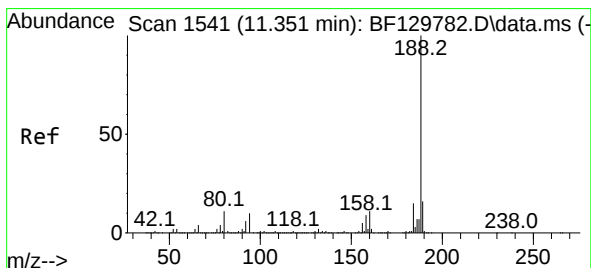
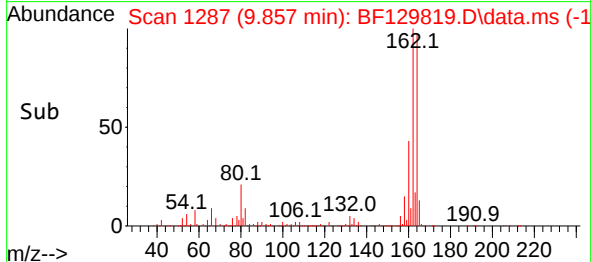
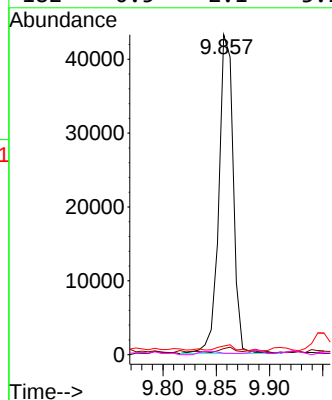
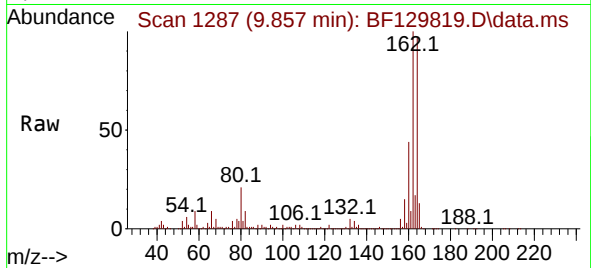




#57
2,4-Dinitrotoluene
Concen: 6.601 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

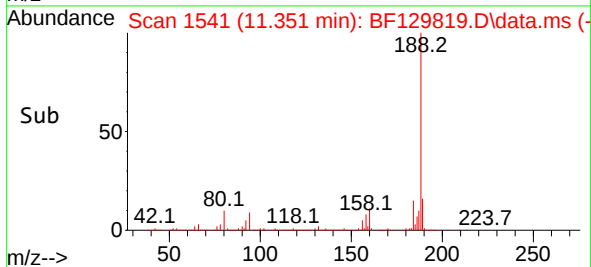
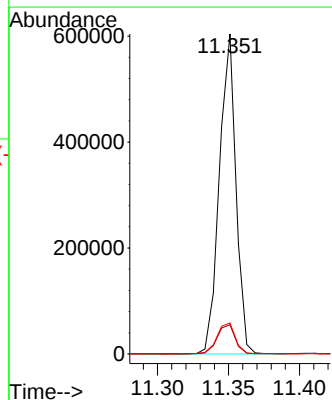
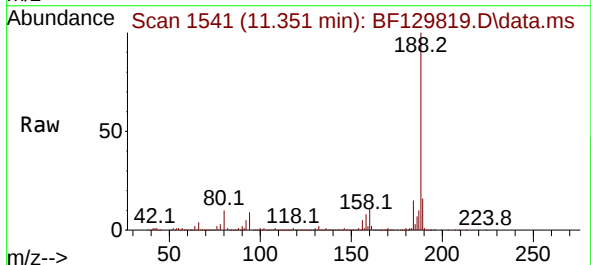
Instrument :
BNA_F
ClientSampleId :
GFD-TOTES

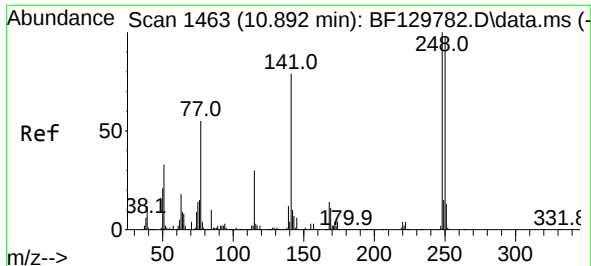
Tgt Ion:165 Resp: 40581
Ion Ratio Lower Upper
165 100
63 1.9 48.4 72.6#
89 2.7 62.3 93.5#
182 0.5 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

Tgt Ion:188 Resp: 489925
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.7 7.9 11.9

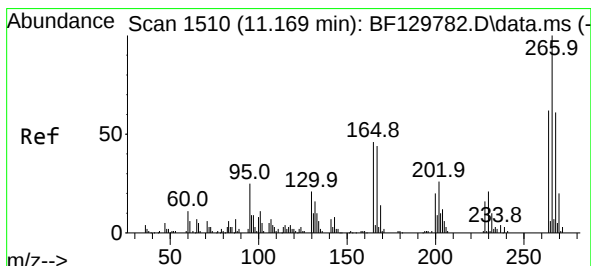
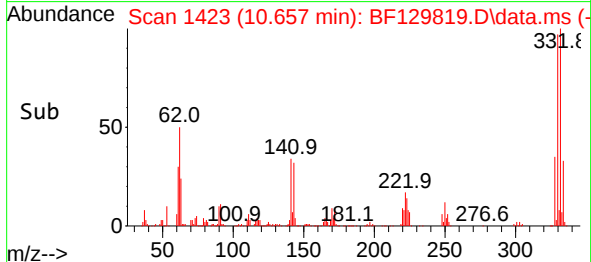
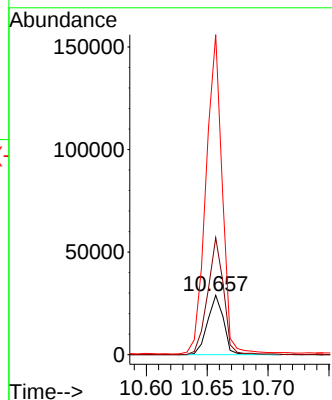
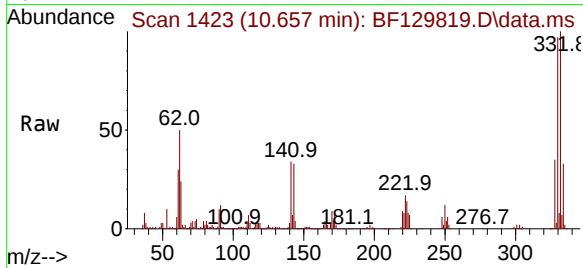




#67
4-Bromophenyl-phenylether
Concen: 4.604 ng
RT: 10.657 min Scan# 1463
Delta R.T. -0.235 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

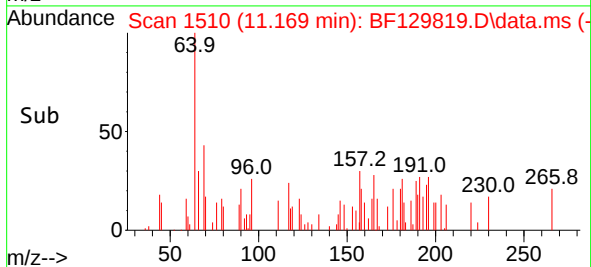
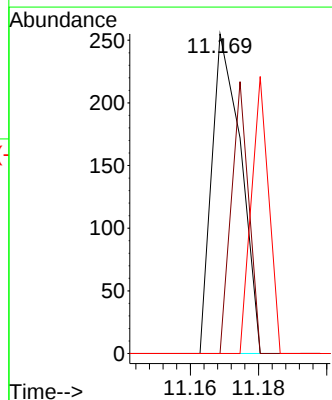
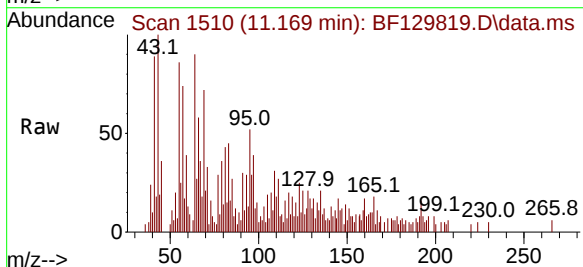
Instrument :
BNA_F
ClientSampleId :
GFD-TOTES

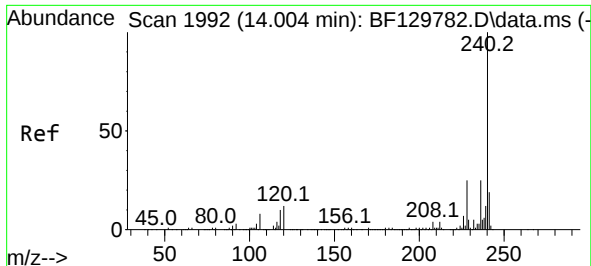
Tgt Ion:248 Resp: 26420
Ion Ratio Lower Upper
248 100
250 197.0 77.8 116.6#
141 539.0 66.2 99.2#



#70
Pentachlorophenol
Concen: 5.257 ng
RT: 11.169 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

Tgt Ion:266 Resp: 151
Ion Ratio Lower Upper
266 100
268 0.0 49.0 73.4#
264 0.0 47.9 71.9#

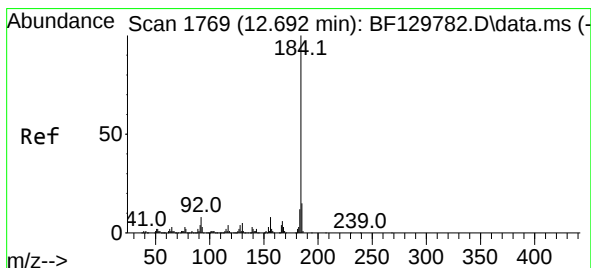
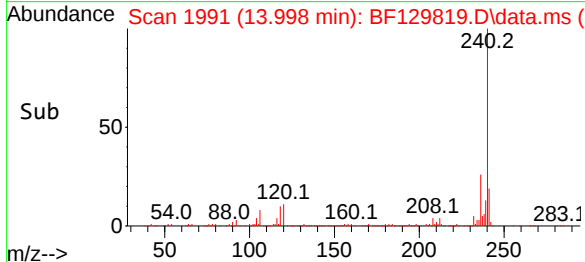
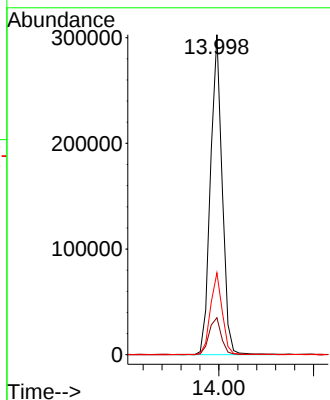
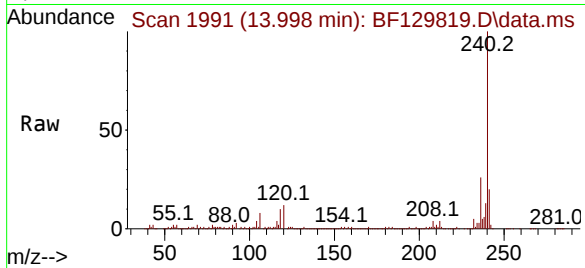




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

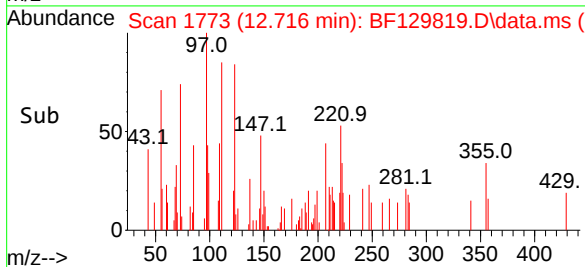
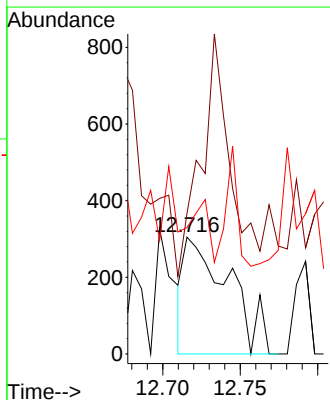
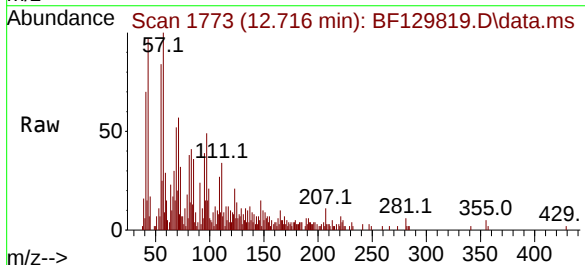
Instrument :
BNA_F
ClientSampleId :
GFD-TOTES

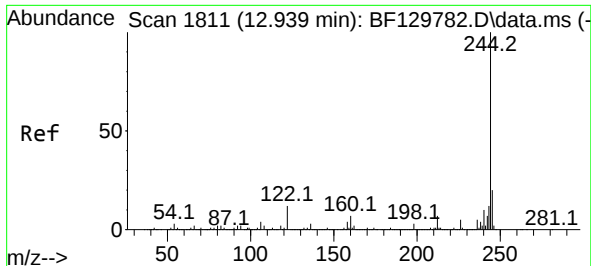
Tgt Ion:240 Resp: 259091
Ion Ratio Lower Upper
240 100
120 11.6 9.2 13.8
236 25.6 20.7 31.1



#77
Benzidine
Concen: Below Cal
RT: 12.716 min Scan# 1773
Delta R.T. 0.024 min
Lab File: BF129819.D
Acq: 16 Aug 2022 19:43

Tgt Ion:184 Resp: 614
Ion Ratio Lower Upper
184 100
185 120.3 11.4 17.2#
183 108.2 9.4 14.2#

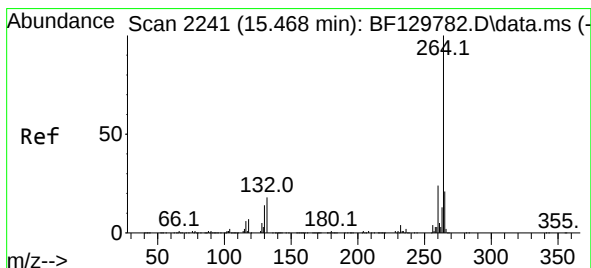
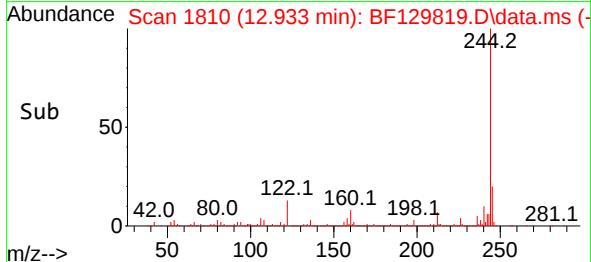
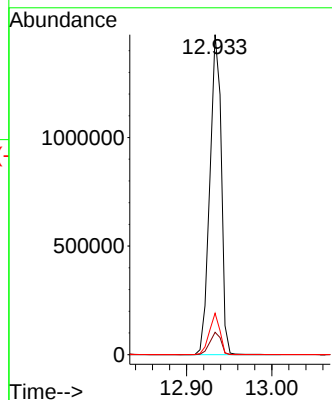
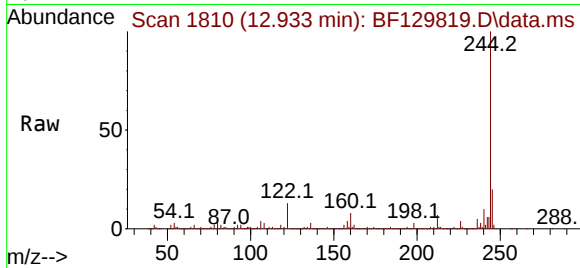




#79
 Terphenyl-d14
 Concen: 88.147 ng
 RT: 12.933 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129819.D
 Acq: 16 Aug 2022 19:43

Instrument :
 BNA_F
 ClientSampleId :
 GFD-TOTES

Tgt Ion:244 Resp: 1372529
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 13.0 9.9 14.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 2241
 Delta R.T. 0.000 min
 Lab File: BF129819.D
 Acq: 16 Aug 2022 19:43

Tgt Ion:264 Resp: 283642
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.1 28.7
 265 21.3 16.7 25.1

