

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136605.D
 Acq On : 15 Dec 2023 21:43
 Operator : CG\JU
 Sample : 05805-01 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-12122023

Quant Time: Dec 16 02:07:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

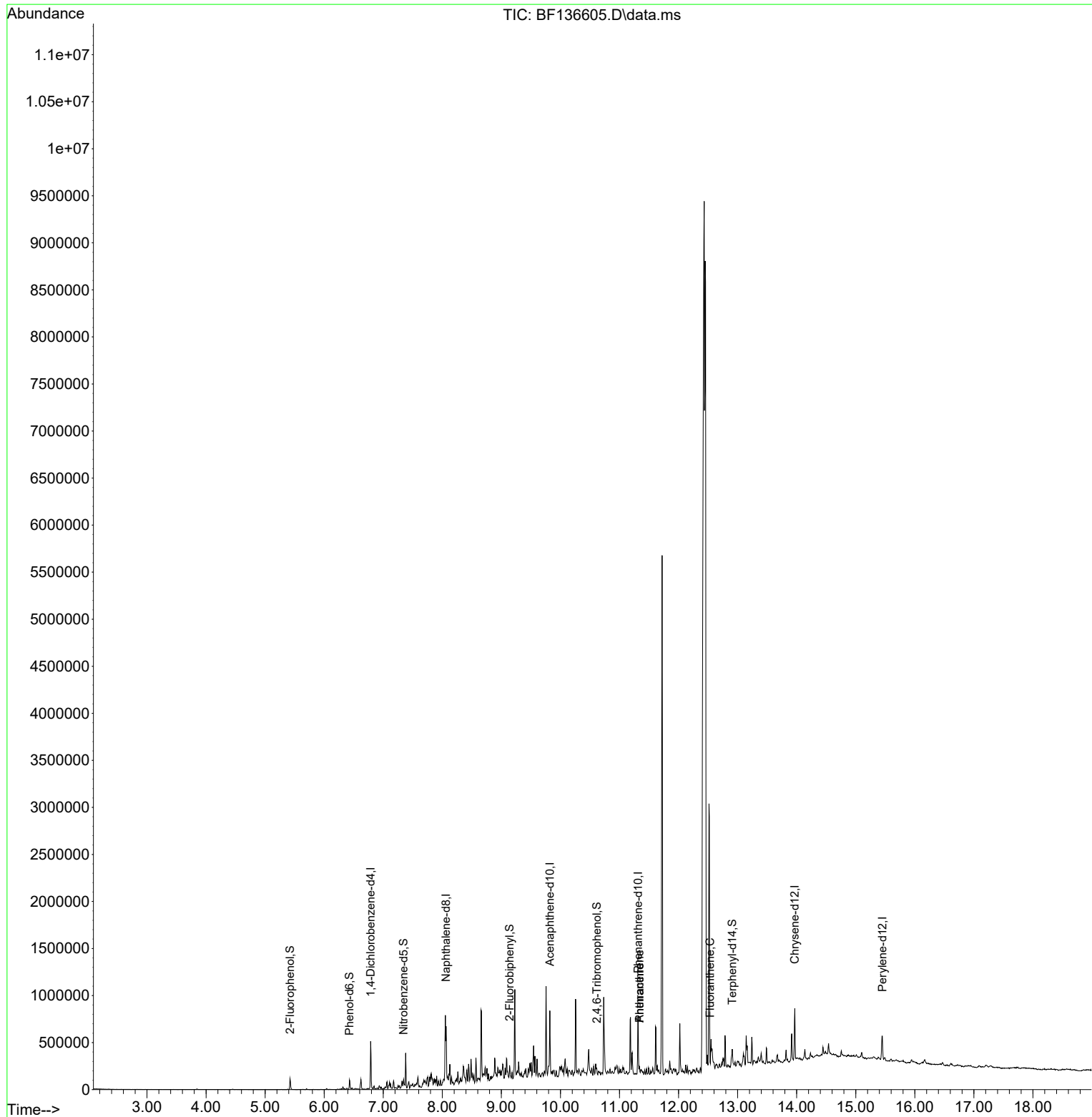
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	72001	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	245099	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	114766	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	235678	20.000	ng	0.00
76) Chrysene-d12	13.968	240	177898	20.000	ng	0.00
86) Perylene-d12	15.451	264	129459	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	34407	7.057	ng	0.00
7) Phenol-d6	6.428	99	38066	6.258	ng	0.00
23) Nitrobenzene-d5	7.345	82	21883	4.827	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	10185	7.198	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	39544	4.702	ng	0.00
79) Terphenyl-d14	12.910	244	54786	4.059	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.345	77	358	Below Cal	#	1
71) Phenanthrene	11.339	178	29749	2.297	ng	98
72) Anthracene	11.339	178	29749	2.280	ng	96
75) Fluoranthene	12.533	202	27863	2.053	ng	96
77) Benzidine	12.657	184	770	Below Cal	#	1

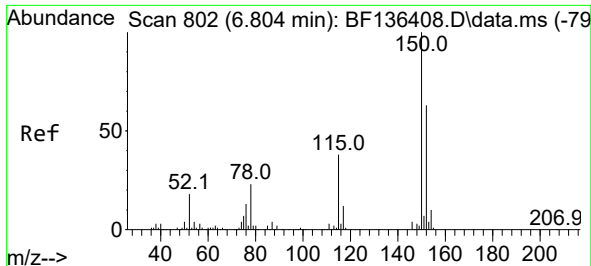
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 02:07:45 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

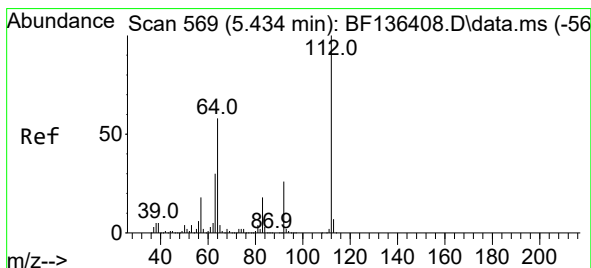
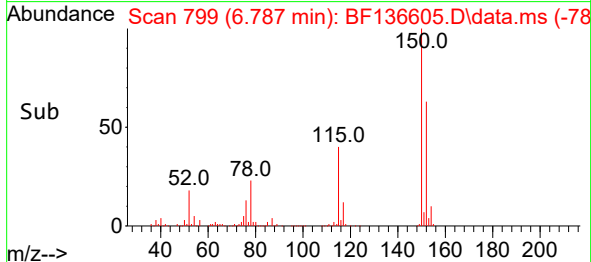
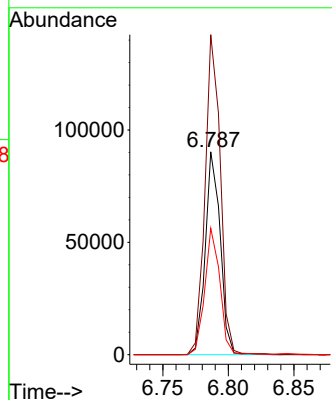
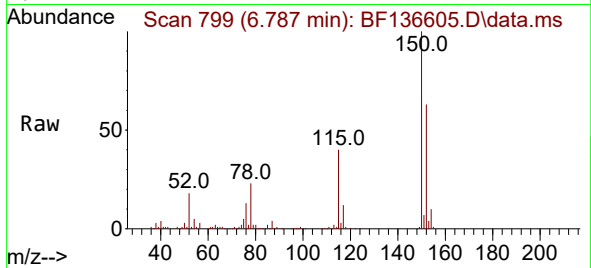




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF136605.D
Acq: 15 Dec 2023 21:43

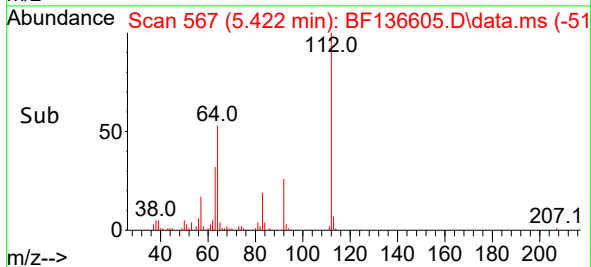
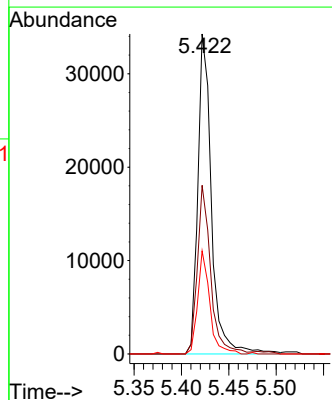
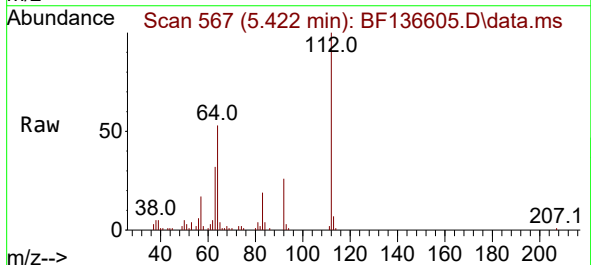
Instrument :
BNA_F
ClientSampleId :
HR-01-12122023

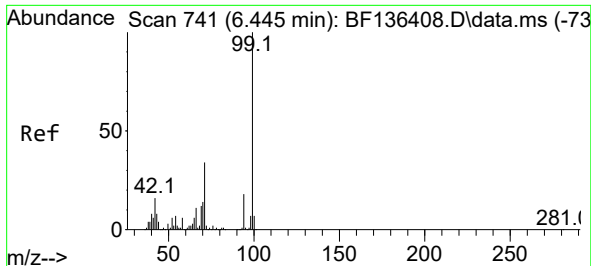
Tgt Ion:152 Resp: 72001
Ion Ratio Lower Upper
152 100
150 157.8 126.4 189.6
115 62.3 48.2 72.4



#5
2-Fluorophenol
Concen: 7.057 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.000 min
Lab File: BF136605.D
Acq: 15 Dec 2023 21:43

Tgt Ion:112 Resp: 34407
Ion Ratio Lower Upper
112 100
64 52.7 46.5 69.7
63 32.2 23.9 35.9

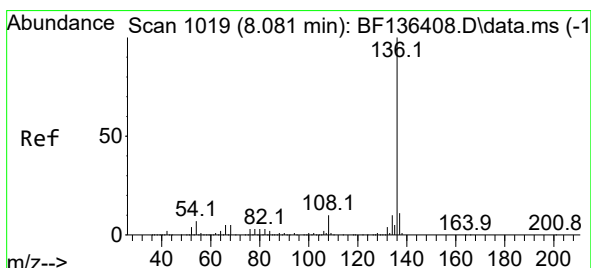
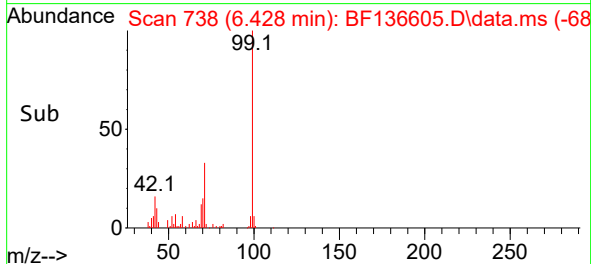
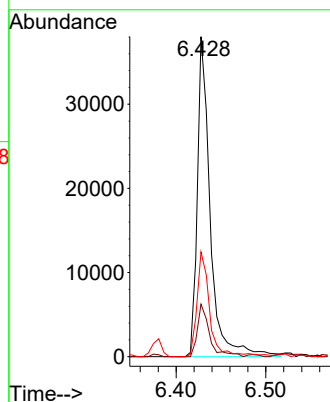
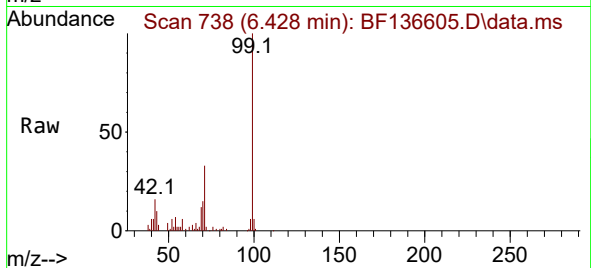




#7
Phenol-d6
Concen: 6.258 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136605.D
Acq: 15 Dec 2023 21:43

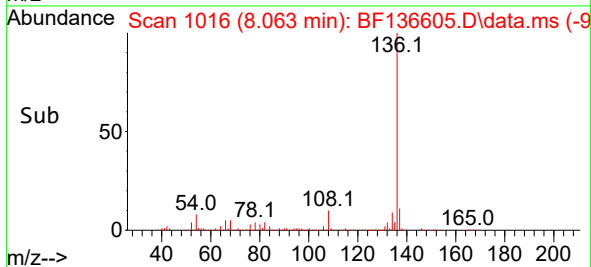
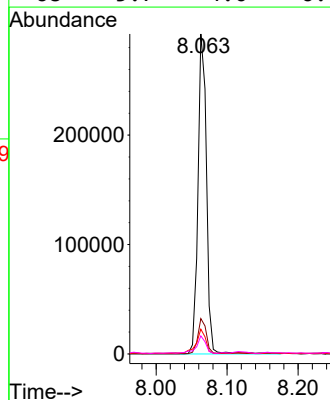
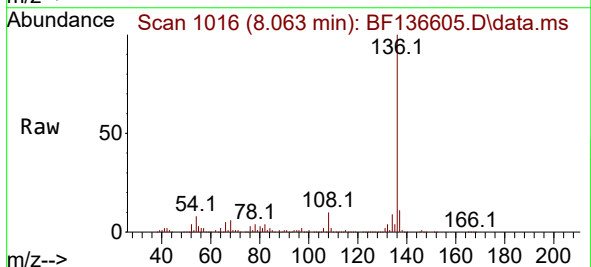
Instrument :
BNA_F
ClientSampleId :
HR-01-12122023

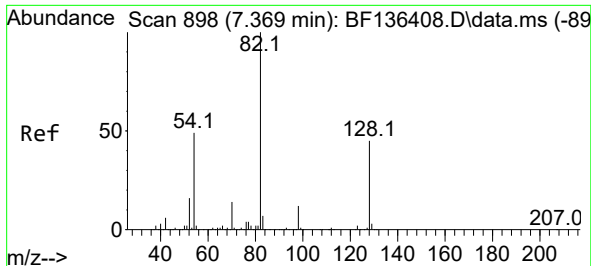
Tgt Ion: 99 Resp: 38066
Ion Ratio Lower Upper
99 100
42 16.4 12.8 19.2
71 32.7 27.0 40.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136605.D
Acq: 15 Dec 2023 21:43

Tgt Ion:136 Resp: 245099
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 7.8 5.7 8.5
68 5.7 4.0 6.0





#23

Nitrobenzene-d5

Concen: 4.827 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136605.D

Acq: 15 Dec 2023 21:43

Instrument :

BNA_F

ClientSampleId :

HR-01-12122023

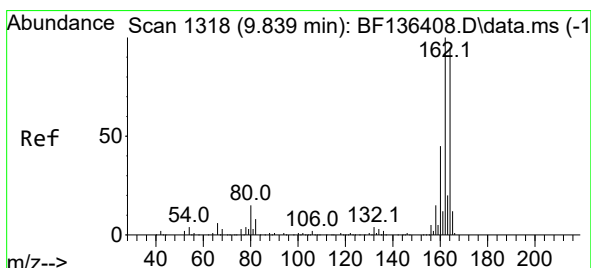
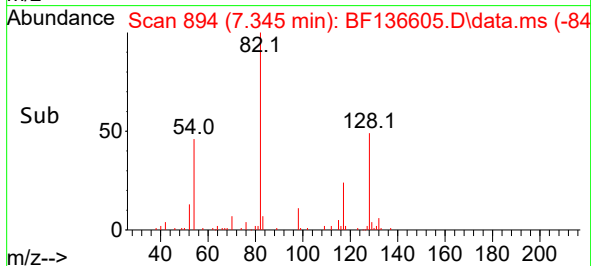
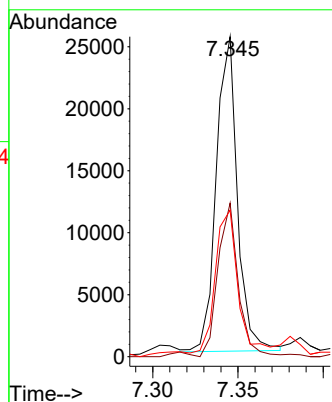
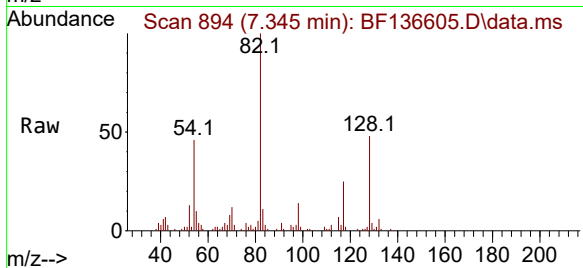
Tgt Ion: 82 Resp: 21883

Ion Ratio Lower Upper

82 100

128 48.0 36.3 54.5

54 45.8 39.0 58.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF136605.D

Acq: 15 Dec 2023 21:43

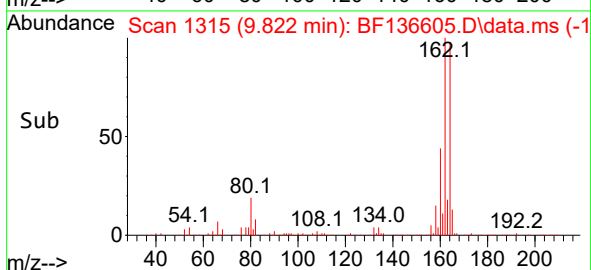
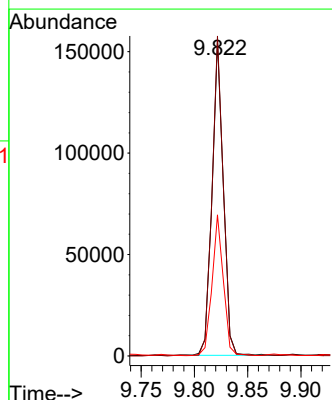
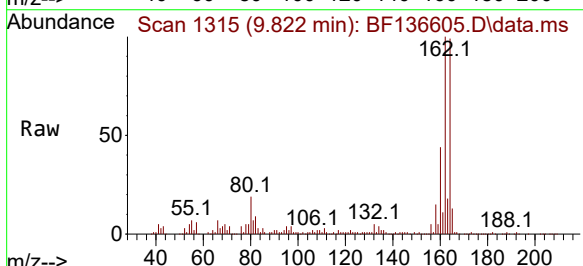
Tgt Ion: 164 Resp: 114766

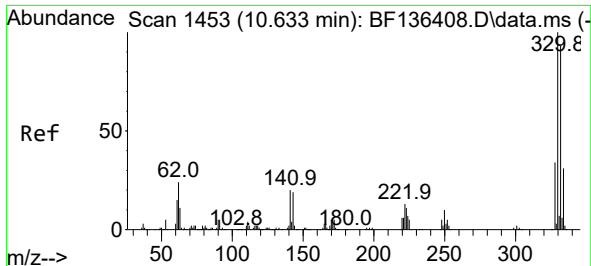
Ion Ratio Lower Upper

164 100

162 101.5 84.4 126.6

160 44.8 37.6 56.4

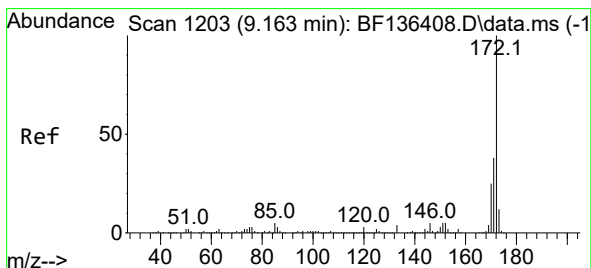
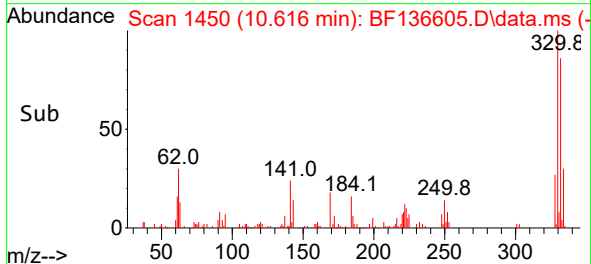
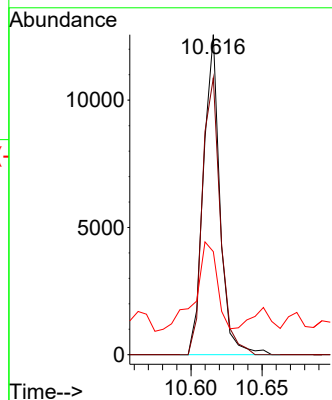
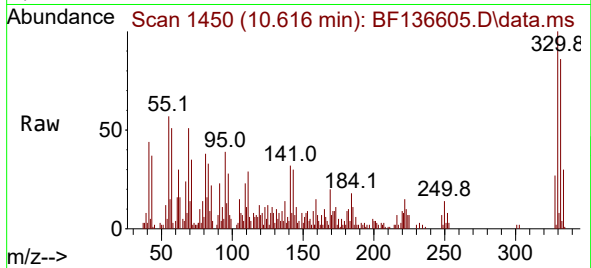




#42
2,4,6-Tribromophenol
Concen: 7.198 ng
RT: 10.616 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF136605.D
Acq: 15 Dec 2023 21:43

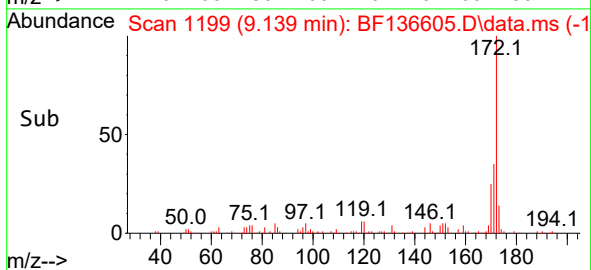
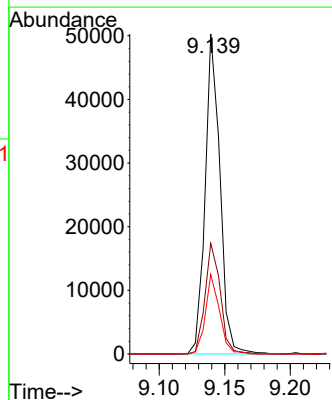
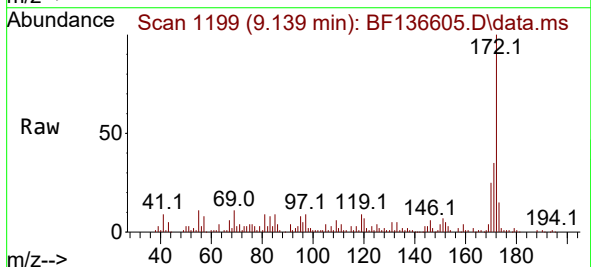
Instrument :
BNA_F
ClientSampleId :
HR-01-12122023

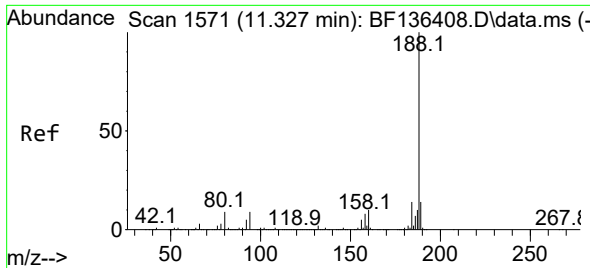
Tgt Ion:330 Resp: 10185
Ion Ratio Lower Upper
330 100
332 93.8 76.4 114.6
141 38.0 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 4.702 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF136605.D
Acq: 15 Dec 2023 21:43

Tgt Ion:172 Resp: 39544
Ion Ratio Lower Upper
172 100
171 34.5 30.5 45.7
170 24.9 19.9 29.9

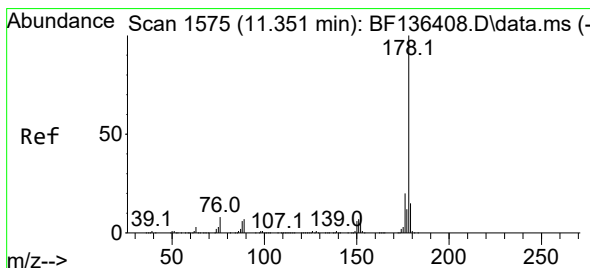
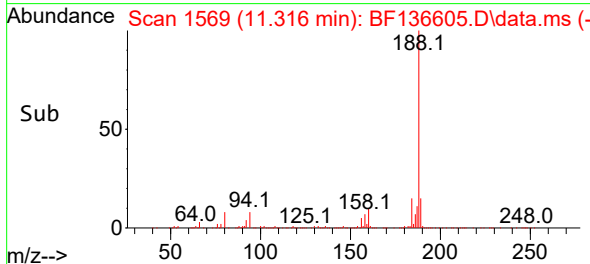
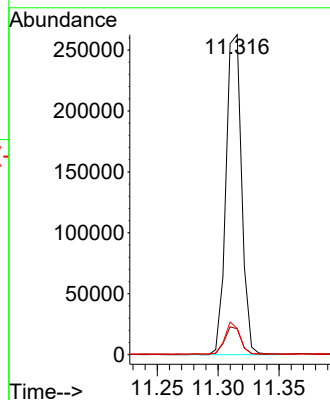
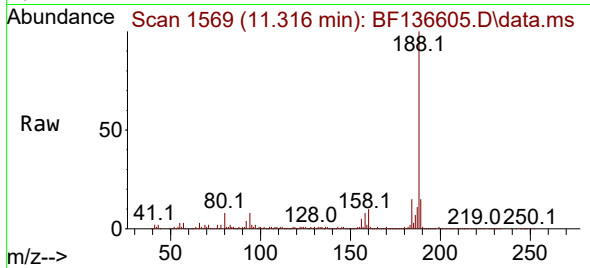




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF136605.D
Acq: 15 Dec 2023 21:43

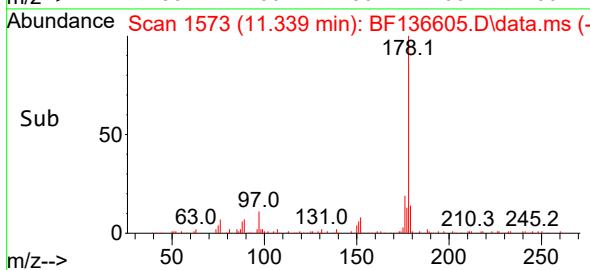
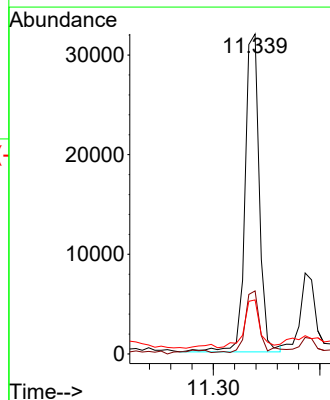
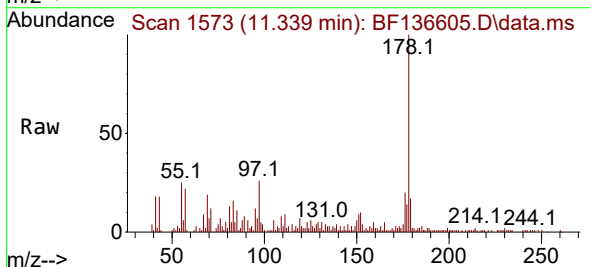
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ClientSampleId :
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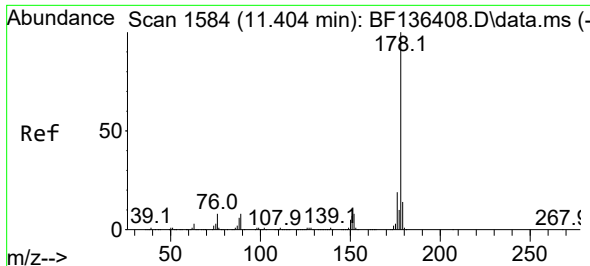
Tgt Ion:188 Resp: 235678
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 8.2 7.2 10.8



#71
Phenanthrene
Concen: 2.297 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF136605.D
Acq: 15 Dec 2023 21:43

Tgt Ion:178 Resp: 29749
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 16.9 11.8 17.6

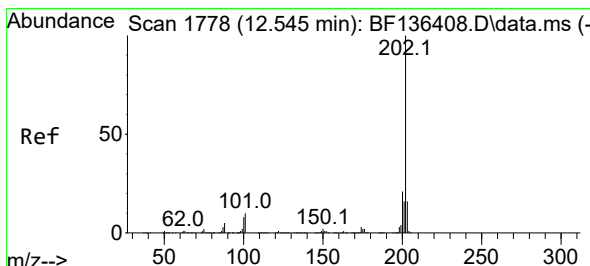
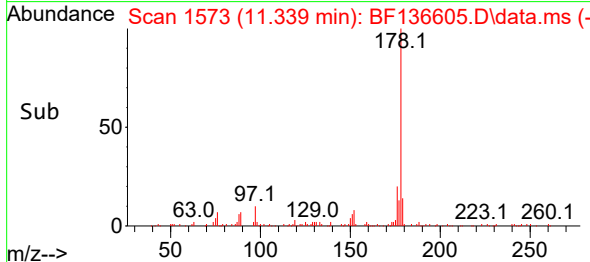
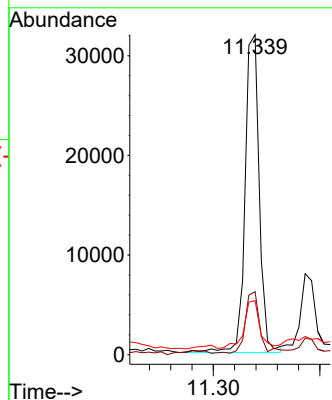
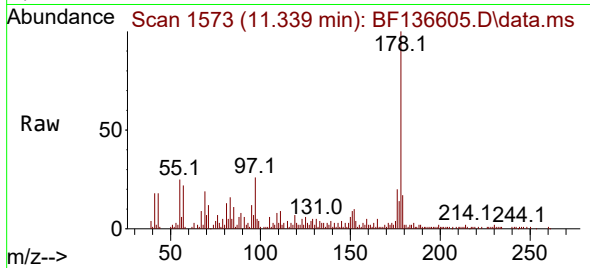




#72
 Anthracene
 Concen: 2.280 ng
 RT: 11.339 min Scan# 11
 Delta R.T. -0.053 min
 Lab File: BF136605.D
 Acq: 15 Dec 2023 21:43

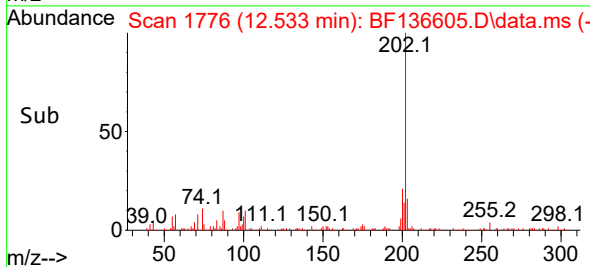
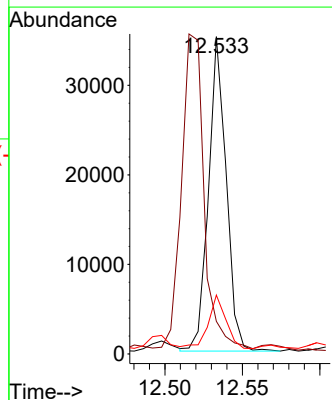
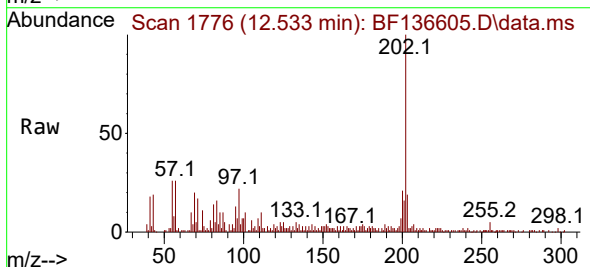
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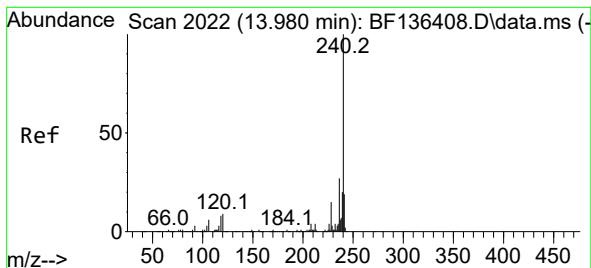
Tgt Ion:178 Resp: 29749
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.3 22.9
 179 16.9 11.4 17.0



#75
 Fluoranthene
 Concen: 2.053 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.000 min
 Lab File: BF136605.D
 Acq: 15 Dec 2023 21:43

Tgt Ion:202 Resp: 27863
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 29.9
 203 18.6 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF136605.D

Acq: 15 Dec 2023 21:43

Instrument :

BNA_F

ClientSampleId :

HR-01-12122023

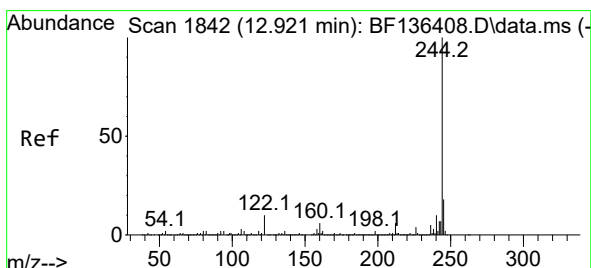
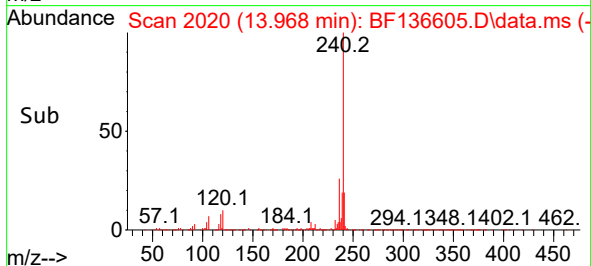
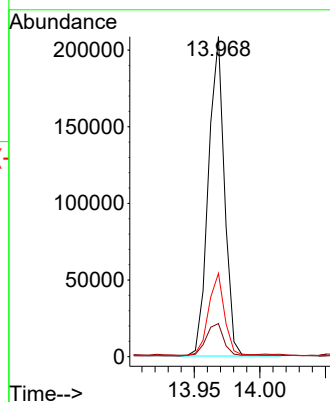
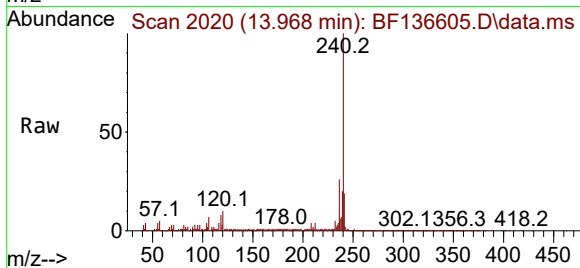
Tgt Ion:240 Resp: 177898

Ion Ratio Lower Upper

240 100

120 10.3 7.3 10.9

236 26.0 21.3 31.9



#79

Terphenyl-d14

Concen: 4.059 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.000 min

Lab File: BF136605.D

Acq: 15 Dec 2023 21:43

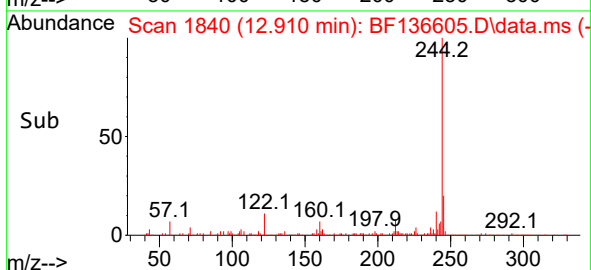
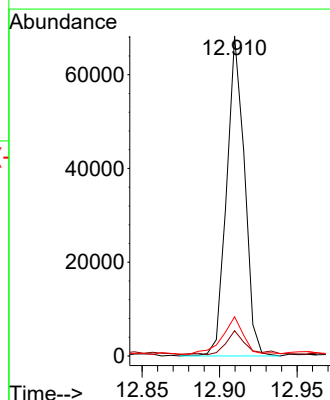
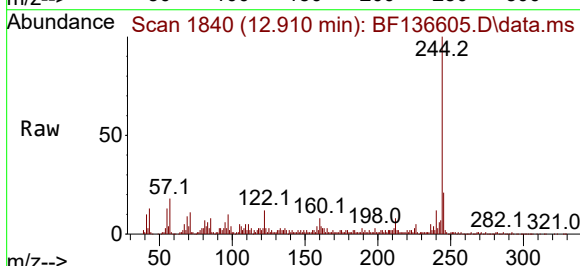
Tgt Ion:244 Resp: 54786

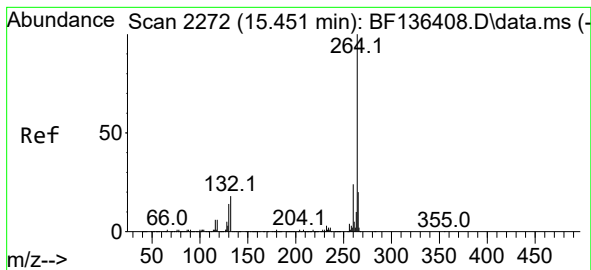
Ion Ratio Lower Upper

244 100

212 7.9 5.0 7.4#

122 12.3 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF136605.D
Acq: 15 Dec 2023 21:43

Instrument :
BNA_F
ClientSampleId :
HR-01-12122023

Tgt Ion:264 Resp: 129459

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	20.6	15.9	23.9

