

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
 Data File : BF141263.D
 Acq On : 24 Jan 2025 15:35
 Operator : RC/JU
 Sample : Q1169-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0006

Quant Time: Jan 25 01:02:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

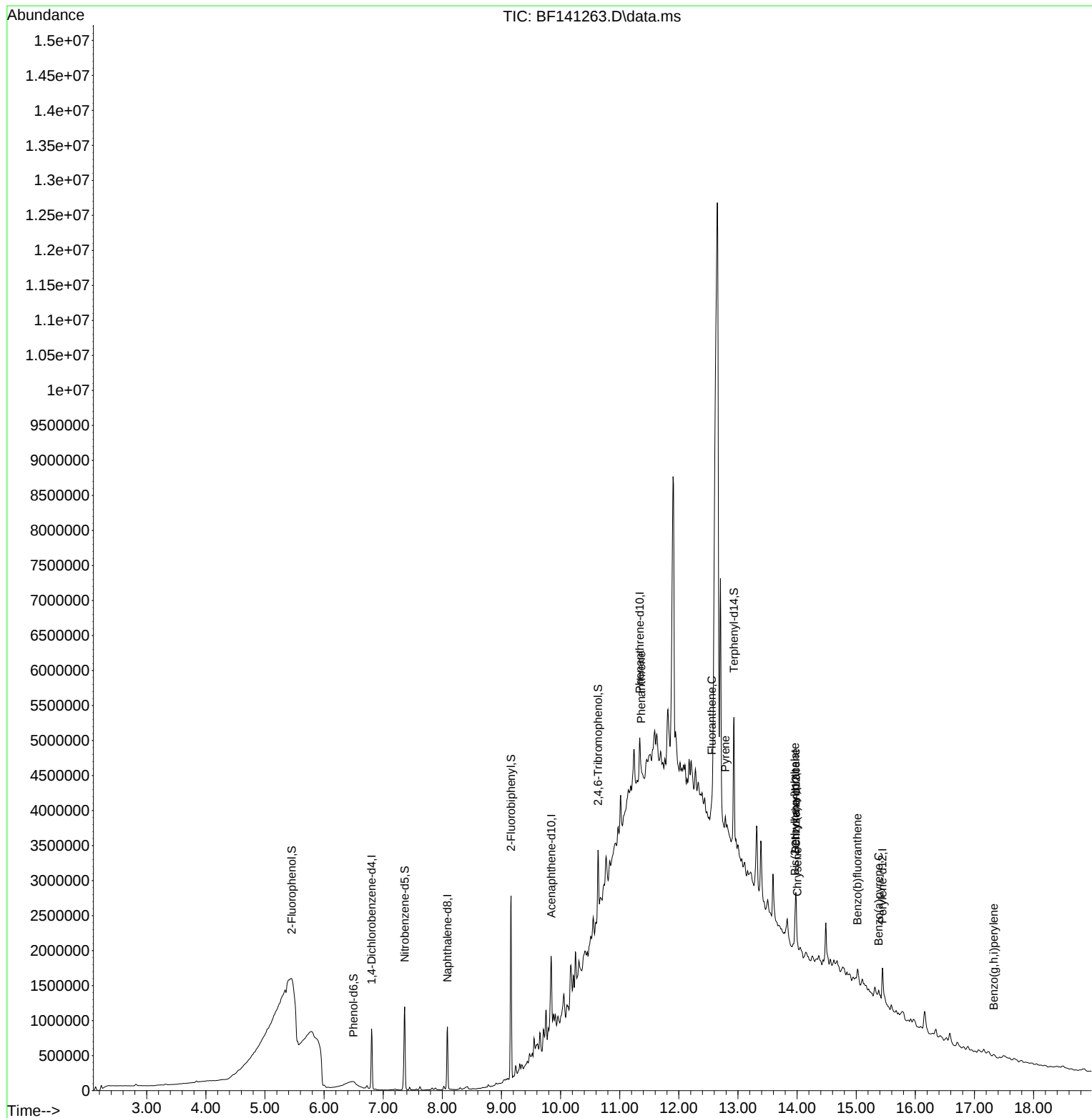
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	145475	20.000	ng	-0.02
21) Naphthalene-d8	8.087	136	584269	20.000	ng	-0.02
39) Acenaphthene-d10	9.845	164	281409	20.000	ng	-0.02
64) Phenanthrene-d10	11.339	188	364452	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	343494	20.000	ng	0.00
86) Perylene-d12	15.445	264	308493	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	451339	47.928	ng	0.02
7) Phenol-d6	6.498	99	969530m	81.277	ng	0.05
23) Nitrobenzene-d5	7.363	82	633297	57.457	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	253171	78.956	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1182754	64.181	ng	-0.02
79) Terphenyl-d14	12.933	244	1035109	44.789	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.363	178	47350	2.420	ng	# 29
75) Fluoranthene	12.557	202	107912	5.527	ng	84
78) Pyrene	12.786	202	137039	4.177	ng	# 88
81) Benzo(a)anthracene	13.974	228	75726	3.239	ng	# 88
83) Chrysene	14.004	228	78444	3.586	ng	# 90
84) Bis(2-ethylhexyl)phtha...	13.963	149	116075	8.844	ng	# 96
88) Benzo(b)fluoranthene	15.021	252	101415m	5.098	ng	
90) Benzo(a)pyrene	15.380	252	65624	3.998	ng	# 62
92) Benzo(g,h,i)perylene	17.327	276	39098	2.056	ng	# 92

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
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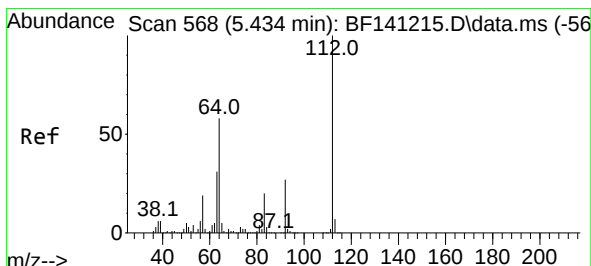
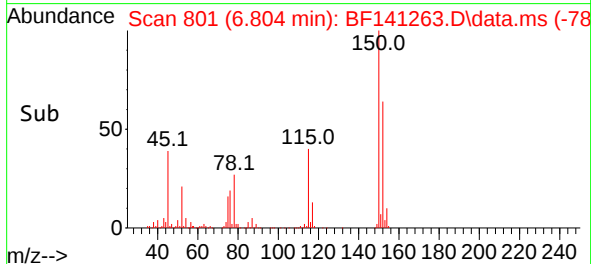
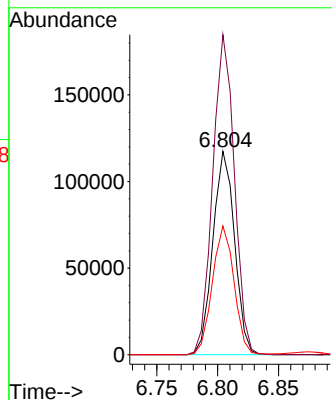
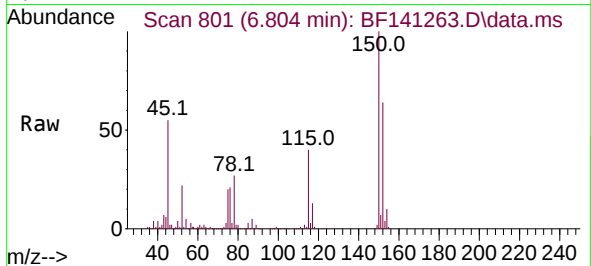




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 802
Delta R.T. -0.018 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

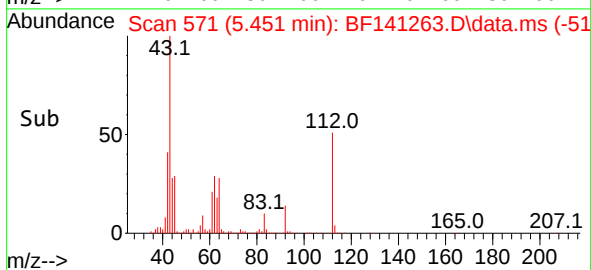
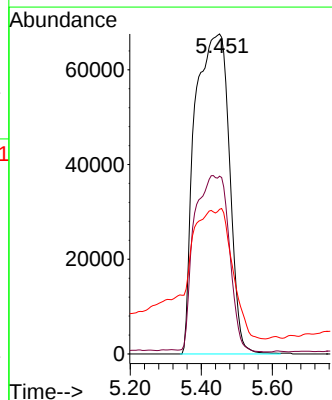
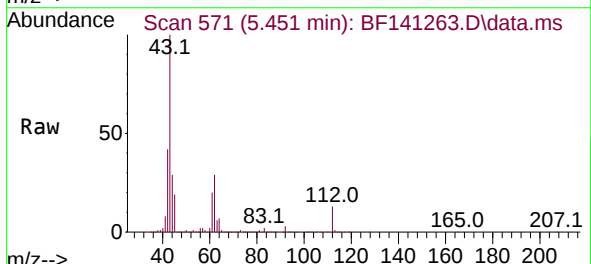
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

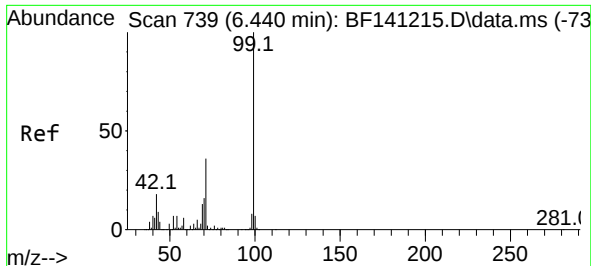
Tgt Ion:152 Resp: 145475
Ion Ratio Lower Upper
152 100
150 157.4 125.8 188.8
115 63.3 51.4 77.2



#5
2-Fluorophenol
Concen: 47.928 ng
RT: 5.451 min Scan# 571
Delta R.T. 0.024 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

Tgt Ion:112 Resp: 451339
Ion Ratio Lower Upper
112 100
64 55.5 47.3 70.9
63 45.2 24.2 36.2#

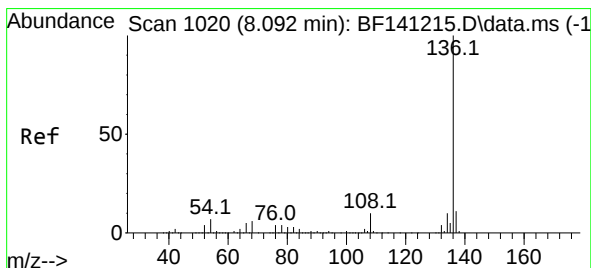
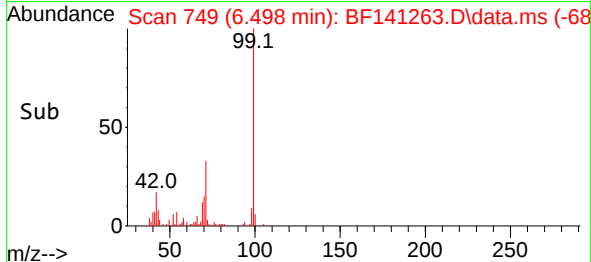
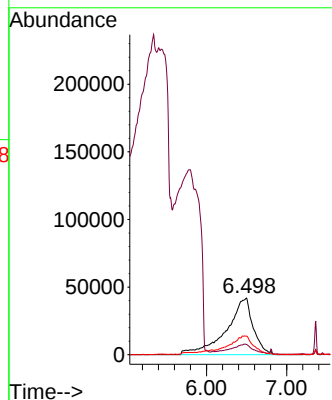
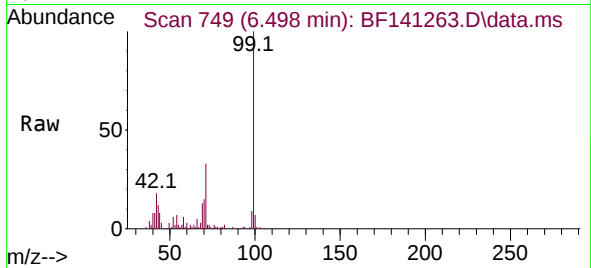




#7
Phenol-d6
Concen: 81.277 ng m
RT: 6.498 min Scan# 74
Delta R.T. 0.053 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

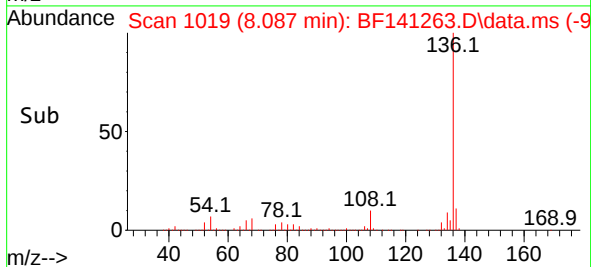
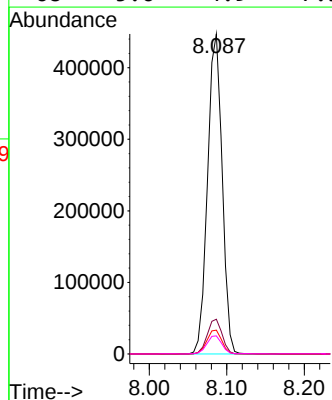
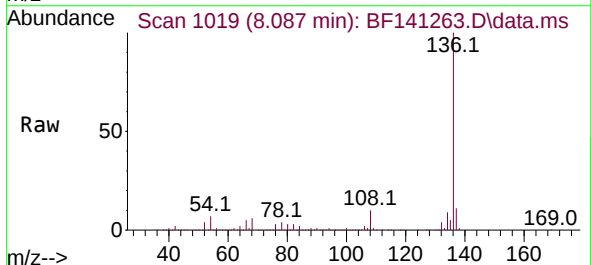
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

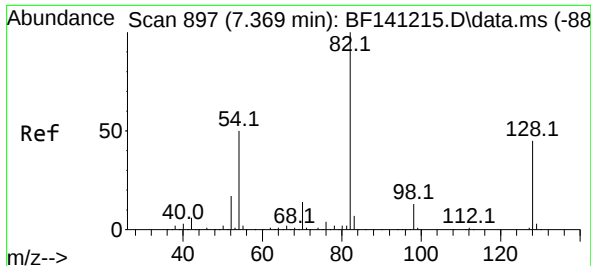
Tgt Ion: 99 Resp: 969530
Ion Ratio Lower Upper
99 100
42 18.0 15.0 22.4
71 32.9 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

Tgt Ion: 136 Resp: 584269
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.5 6.3 9.5
68 5.6 4.9 7.3

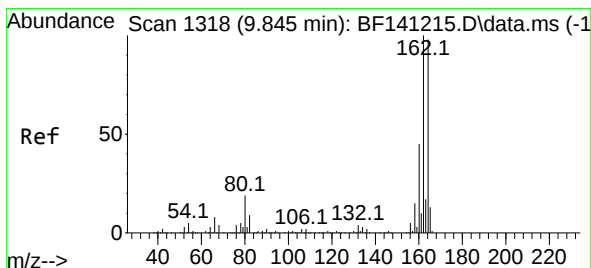
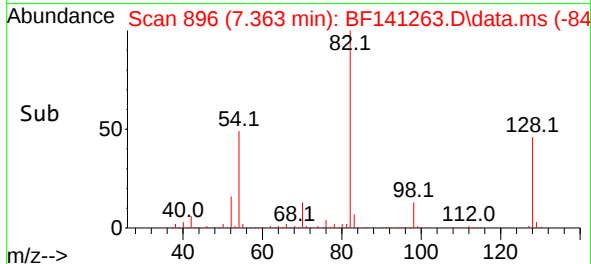
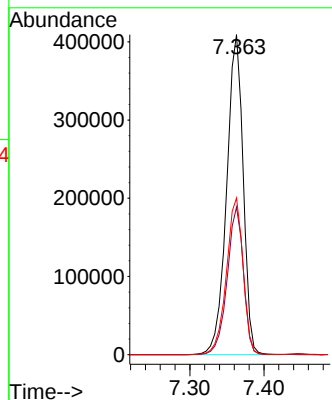
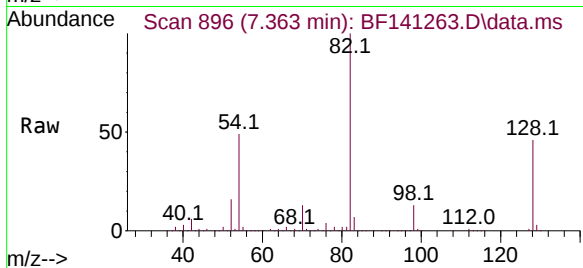




#23
Nitrobenzene-d5
Concen: 57.457 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.024 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

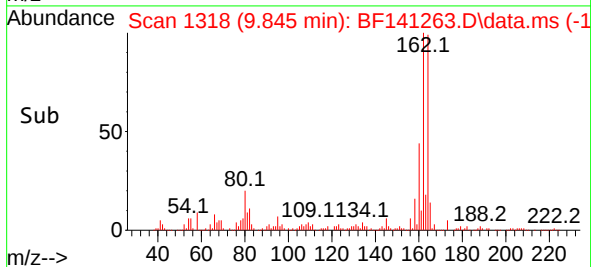
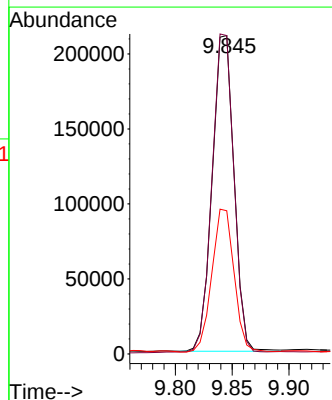
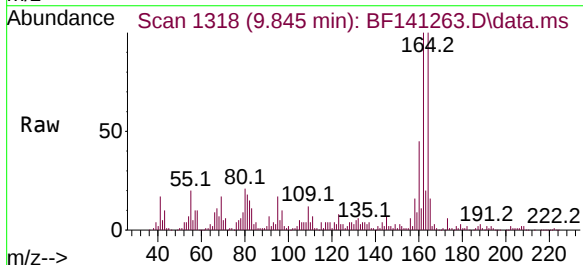
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

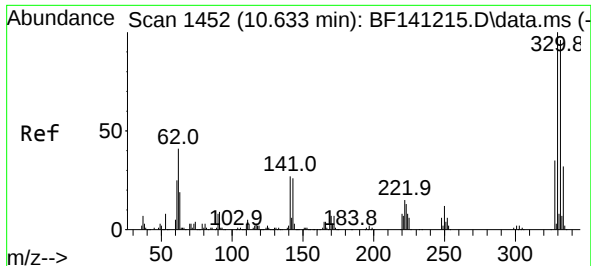
Tgt Ion: 82 Resp: 633297
Ion Ratio Lower Upper
82 100
128 46.1 36.1 54.1
54 48.9 41.0 61.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.018 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

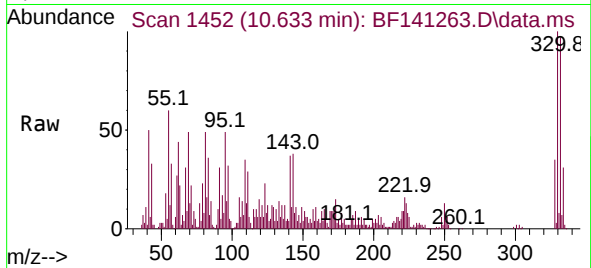
Tgt Ion:164 Resp: 281409
Ion Ratio Lower Upper
164 100
162 100.0 81.0 121.4
160 45.0 36.1 54.1



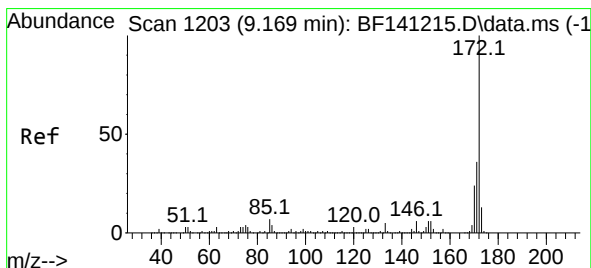
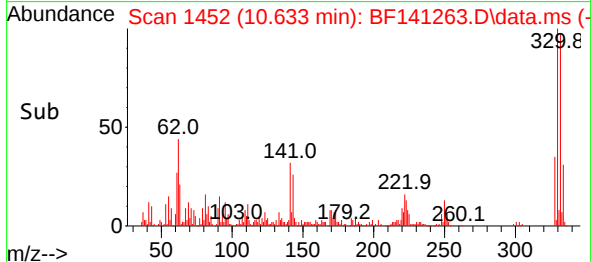
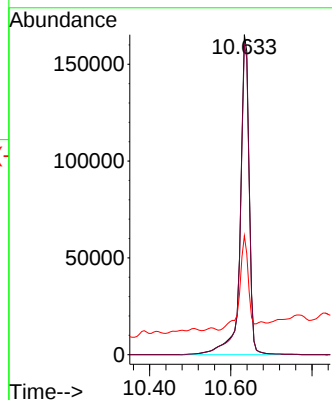


#42
2,4,6-Tribromophenol
Concen: 78.956 ng
RT: 10.633 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

Instrument :
BNA_F
ClientSampleId :
ARS20-0006

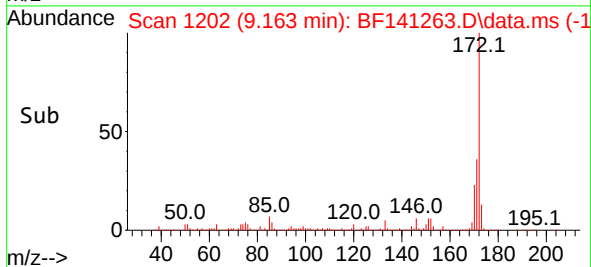
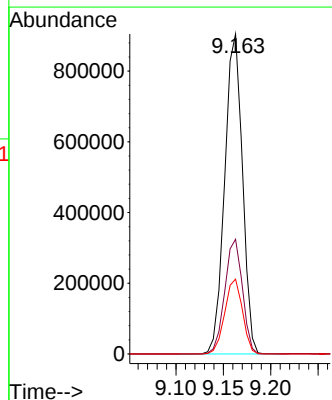
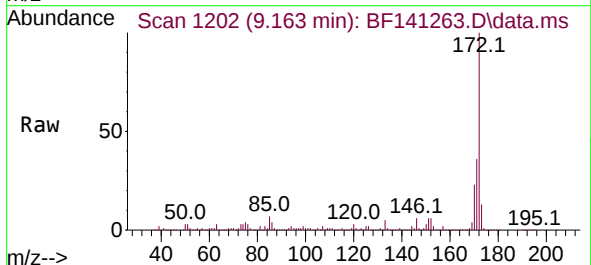


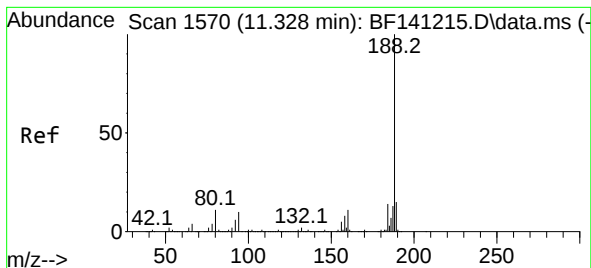
Tgt Ion: 330 Resp: 253171
Ion Ratio Lower Upper
330 100
332 97.7 76.9 115.3
141 28.9 25.2 37.8



#45
2-Fluorobiphenyl
Concen: 64.181 ng
RT: 9.163 min Scan# 1202
Delta R.T. -0.018 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

Tgt Ion: 172 Resp: 1182754
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

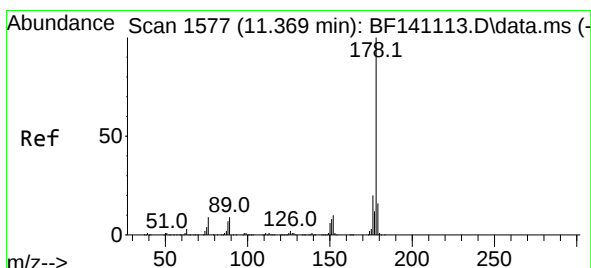
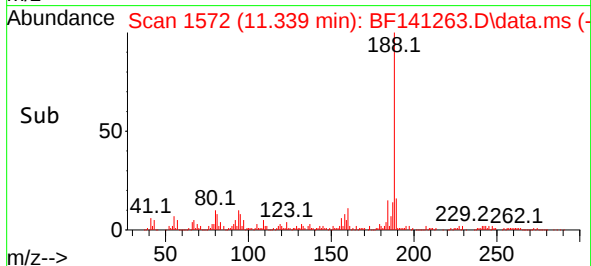
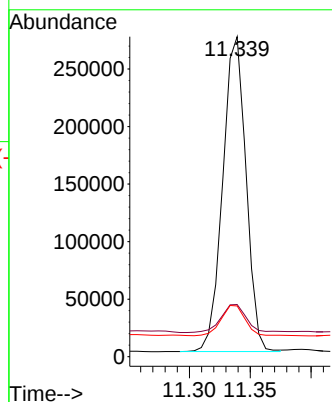
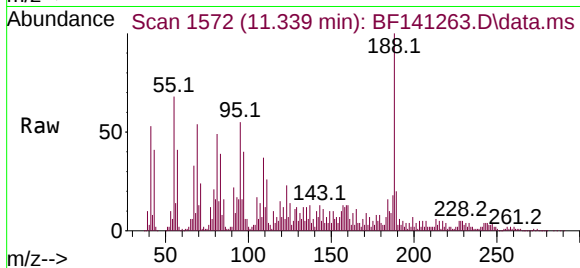
Tgt Ion:188 Resp: 364452

Ion Ratio Lower Upper

188 100

94 16.3 8.3 12.5#

80 15.8 9.0 13.4#



#71

Phenanthrene

Concen: 2.420 ng

RT: 11.363 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

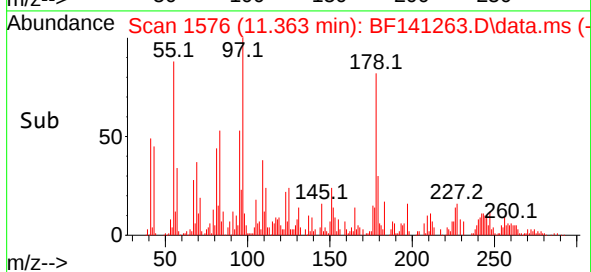
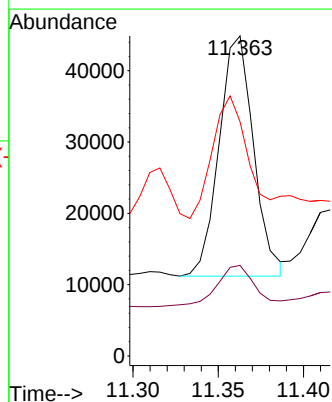
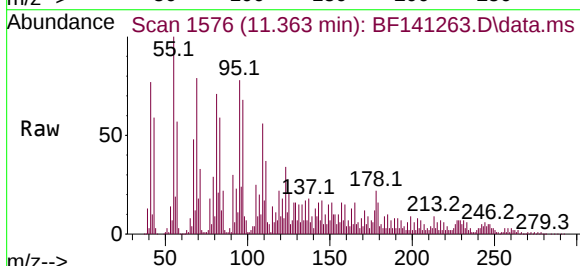
Tgt Ion:178 Resp: 47350

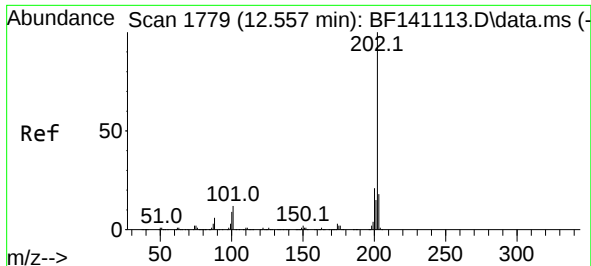
Ion Ratio Lower Upper

178 100

176 28.3 15.7 23.5#

179 73.2 12.6 19.0#

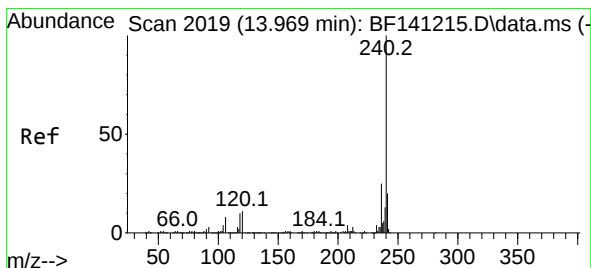
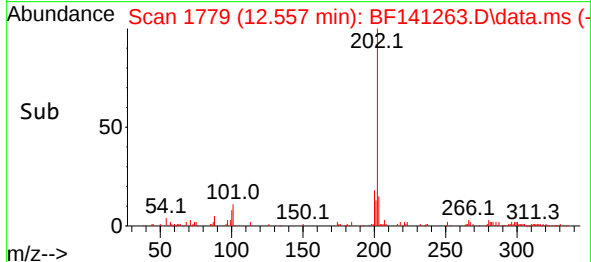
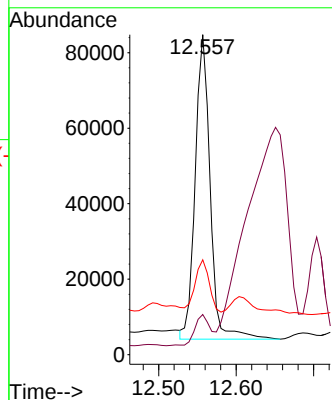
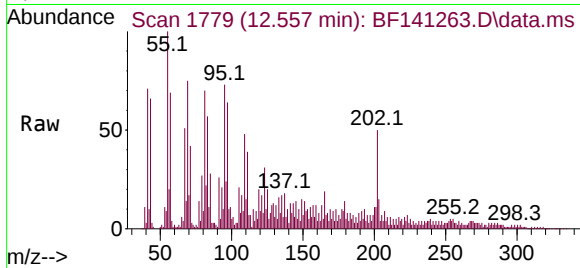




#75
Fluoranthene
Concen: 5.527 ng
RT: 12.557 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

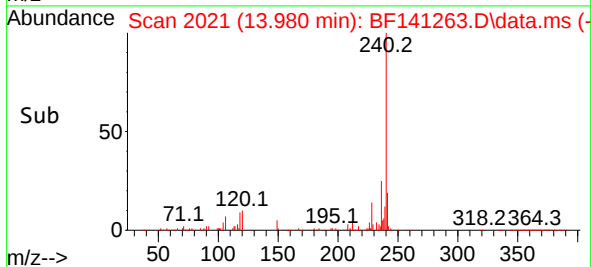
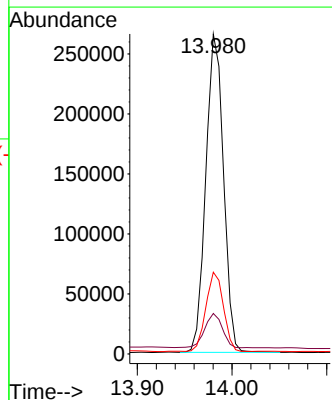
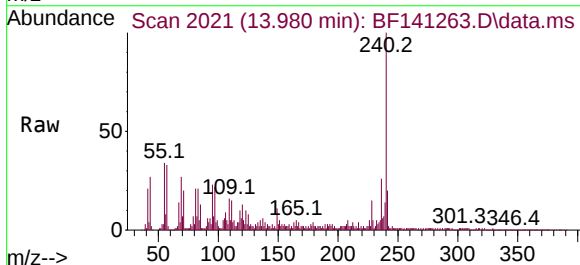
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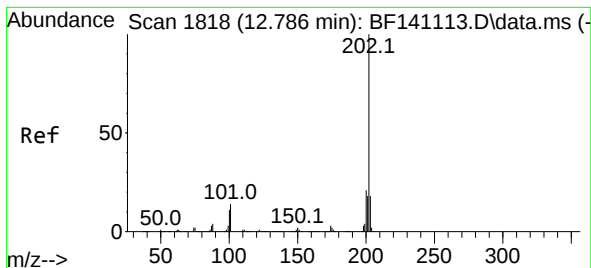
Tgt Ion:202 Resp: 107912
Ion Ratio Lower Upper
202 100
101 12.5 0.0 32.3
203 29.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

Tgt Ion:240 Resp: 343494
Ion Ratio Lower Upper
240 100
120 12.7 9.1 13.7
236 25.6 19.8 29.6





#78

Pyrene

Concen: 4.177 ng

RT: 12.786 min Scan# 1818

Delta R.T. 0.000 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

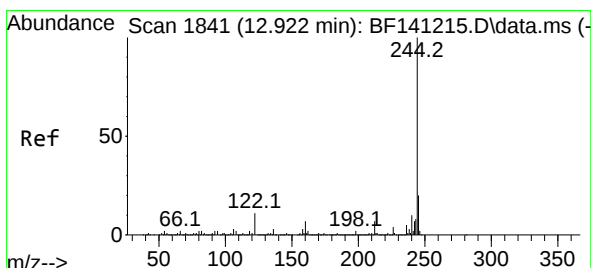
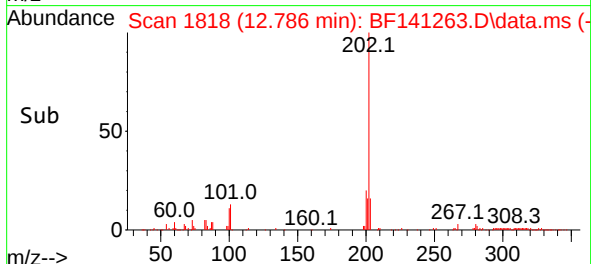
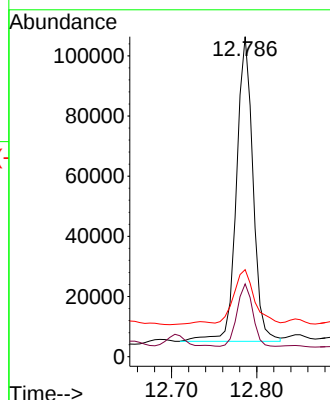
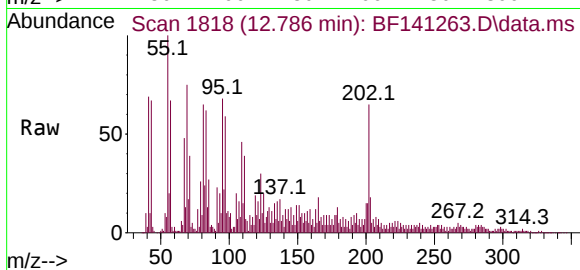
Tgt Ion:202 Resp: 137039

Ion Ratio Lower Upper

202 100

200 22.8 16.8 25.2

203 27.2 14.3 21.5#



#79

Terphenyl-d14

Concen: 44.789 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

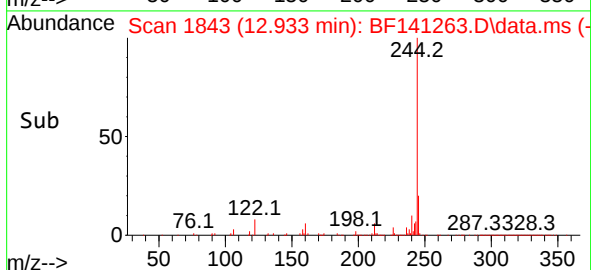
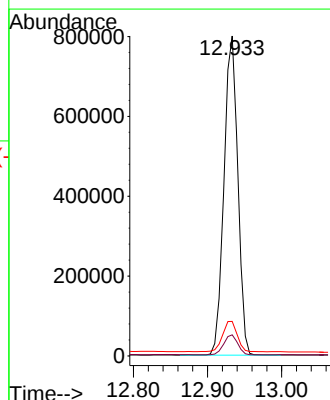
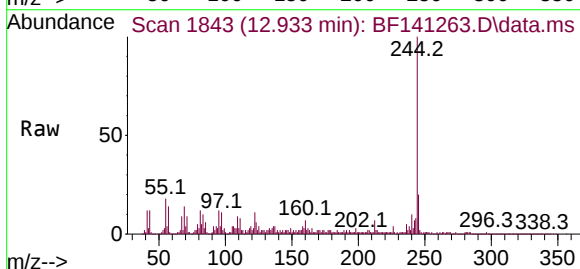
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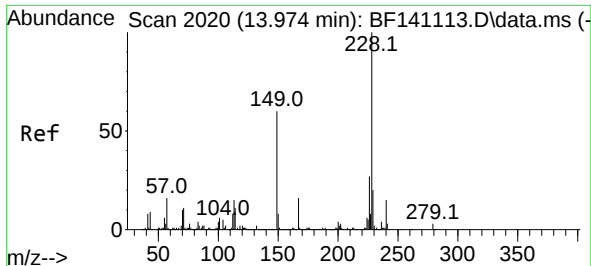
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.8 8.8 13.2

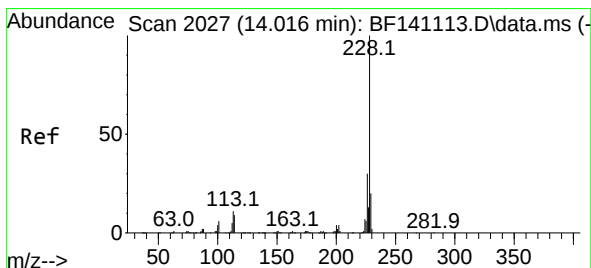
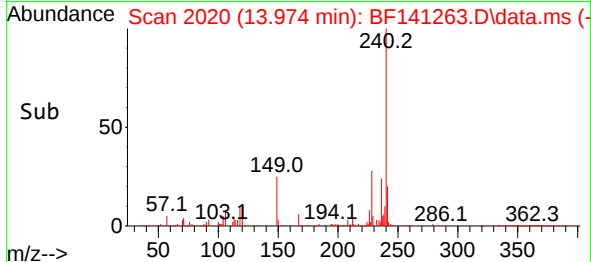
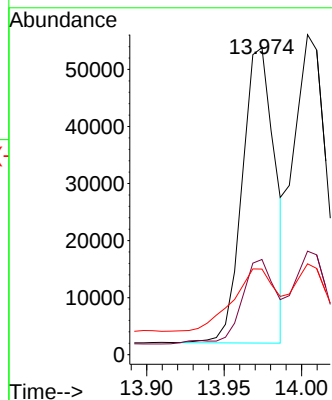
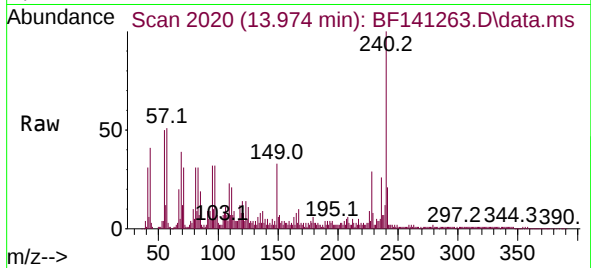




#81
Benzo(a)anthracene
Concen: 3.239 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

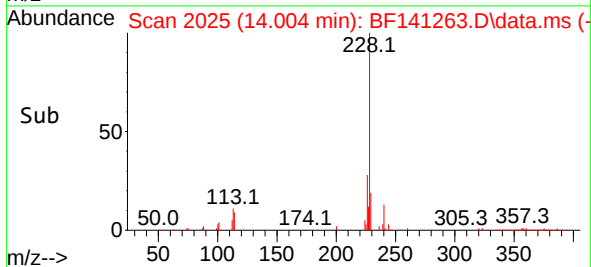
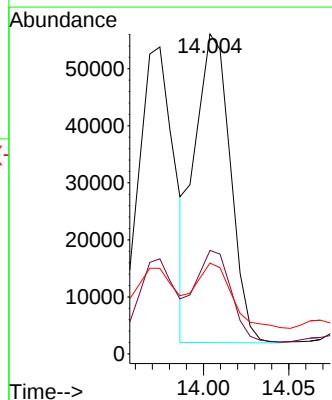
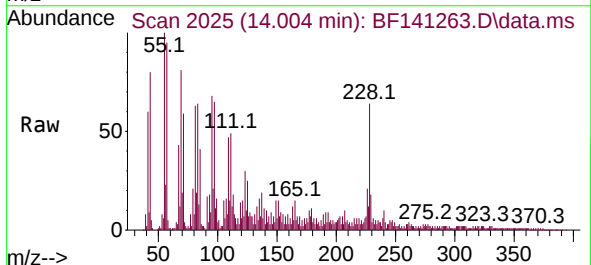
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

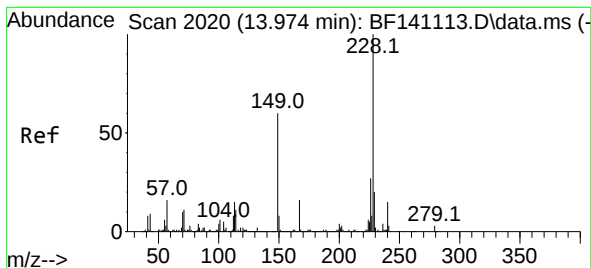
Tgt Ion:228 Resp: 75726
Ion Ratio Lower Upper
228 100
226 31.0 21.7 32.5
229 27.9 15.7 23.5#



#83
Chrysene
Concen: 3.586 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

Tgt Ion:228 Resp: 78444
Ion Ratio Lower Upper
228 100
226 32.3 23.8 35.8
229 28.4 15.8 23.8#

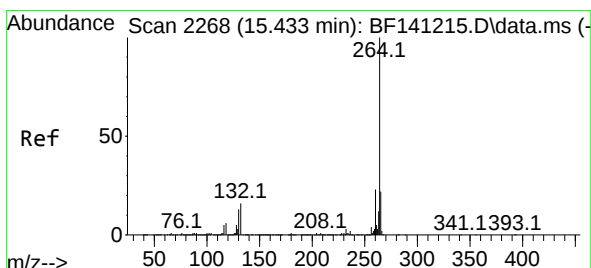
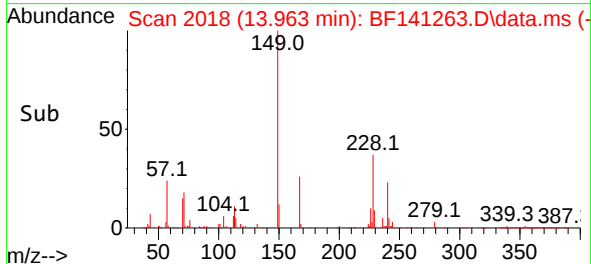
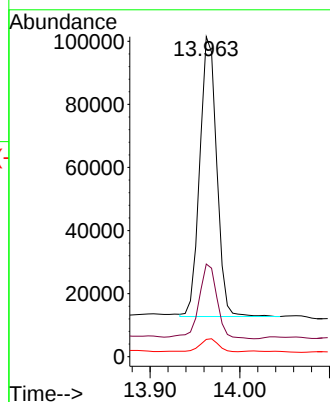
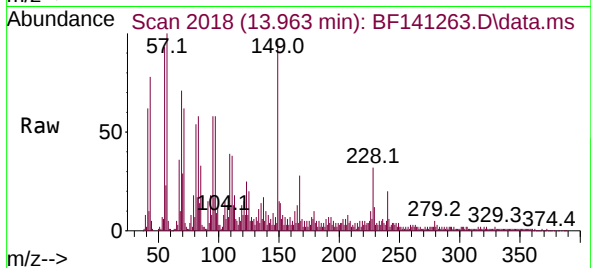




#84
Bis(2-ethylhexyl)phthalate
Concen: 8.844 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

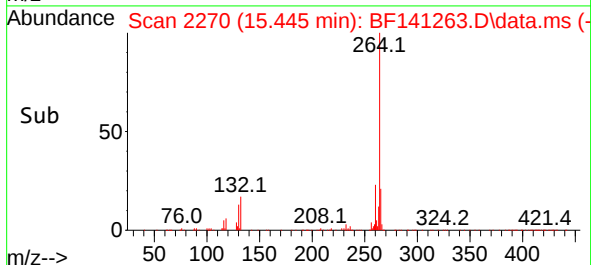
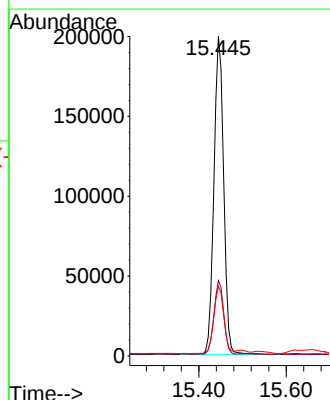
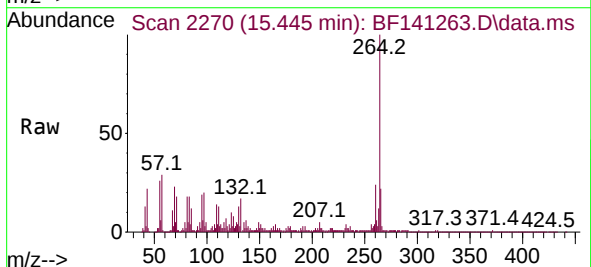
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

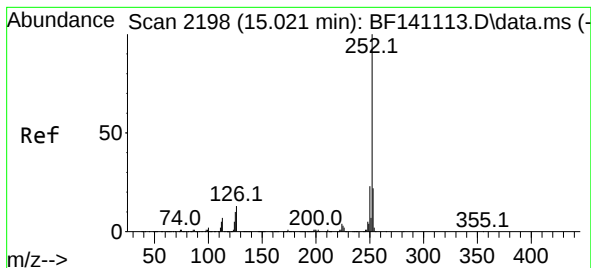
Tgt Ion:149 Resp: 116075
Ion Ratio Lower Upper
149 100
167 29.0 21.4 32.2
279 5.4 3.4 5.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF141263.D
Acq: 24 Jan 2025 15:35

Tgt Ion:264 Resp: 308493
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 21.8 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 5.098 ng m

RT: 15.021 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

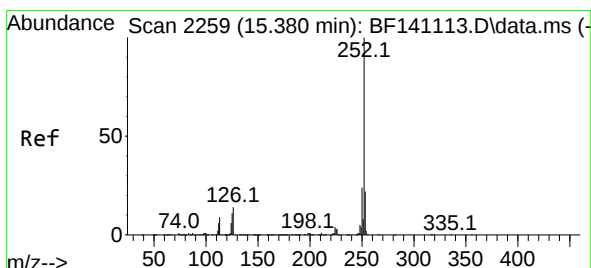
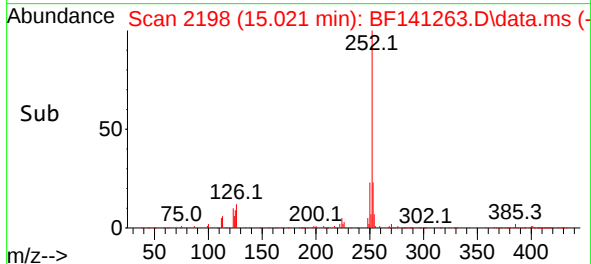
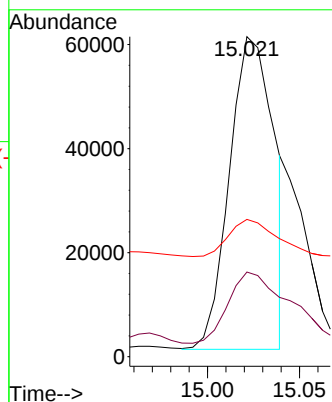
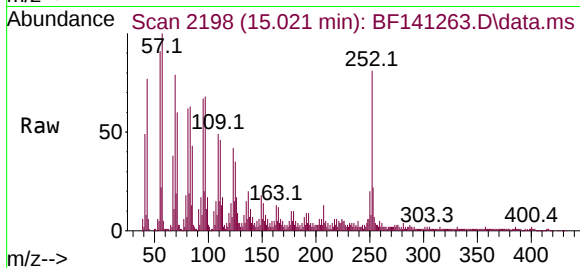
Tgt Ion:252 Resp: 101415

Ion Ratio Lower Upper

252 100

253 26.5 17.8 26.6

125 42.9 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 3.998 ng

RT: 15.380 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BF141263.D

Acq: 24 Jan 2025 15:35

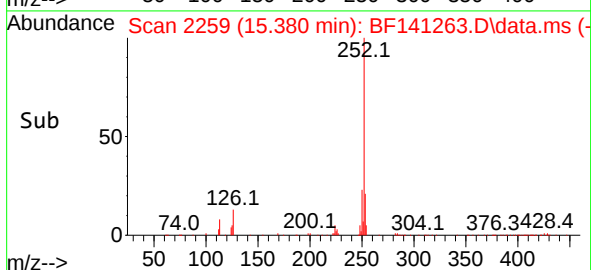
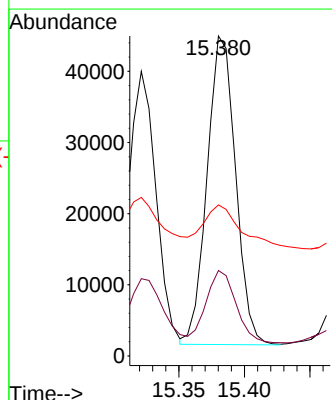
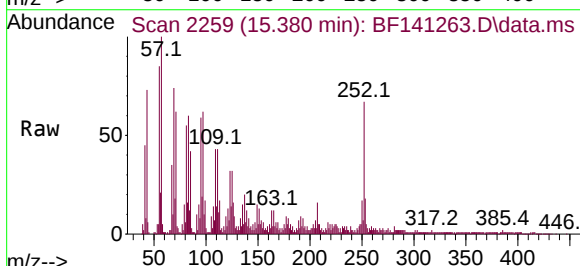
Tgt Ion:252 Resp: 65624

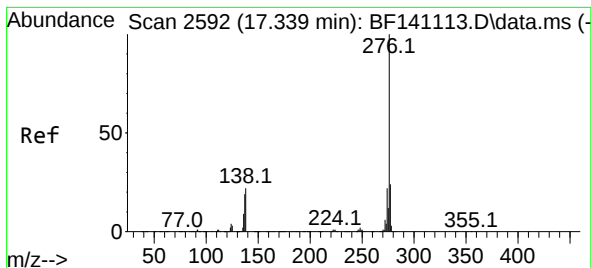
Ion Ratio Lower Upper

252 100

253 26.7 17.7 26.5#

125 47.2 9.1 13.7#





#92

Benzo(g,h,i)perylene

Concen: 2.056 ng

RT: 17.327 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141263.D

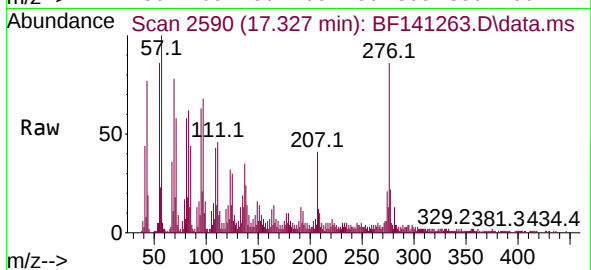
Acq: 24 Jan 2025 15:35

Instrument :

BNA_F

ClientSampleId :

ARS20-0006



Tgt Ion:276 Resp: 39098

Ion Ratio Lower Upper

276 100

277 26.0 19.0 28.4

138 27.4 17.4 26.2#

