

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142404.D
 Acq On : 15 May 2025 21:05
 Operator : RC/JU
 Sample : Q2022-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

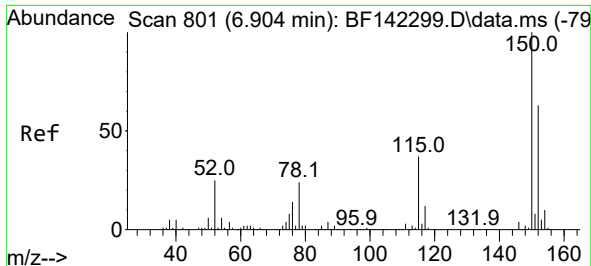
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: May 16 01:09:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	156558	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	584993	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	313171	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	506903	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	354178	20.000	ng	0.00
86) Perylene-d12	15.551	264	301909	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	602202	65.663	ng	0.00
7) Phenol-d6	6.516	99	800395	70.958	ng	0.00
23) Nitrobenzene-d5	7.457	82	448341	46.741	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	258265	85.416	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	990403	45.093	ng	0.00
79) Terphenyl-d14	13.010	244	965773	40.360	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	59210	8.486	ng	# 76
25) Isophorone	7.457	82	443500	24.416	ng	# 62
51) 2,6-Dinitrotoluene	9.934	165	40244	10.691	ng	# 23
57) 2,4-Dinitrotoluene	9.934	165	40245	8.335	ng	# 25
63) Azobenzene	10.651	77	102703	5.352	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	477	7.357	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	15075	2.624	ng	# 1
71) Phenanthrene	11.445	178	63995	2.408	ng	97
75) Fluoranthene	12.633	202	67795	2.552	ng	99
78) Pyrene	12.863	202	119119	3.779	ng	98
80) Butylbenzylphthalate	13.486	149	308	3.690	ng	# 1
81) Benzo(a)anthracene	14.086	228	62147	2.709	ng	95
83) Chrysene	14.086	228	62147	2.911	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	14211	5.318	ng	97
85) Di-n-octyl phthalate	14.651	149	15965	8.458	ng	# 70
88) Benzo(b)fluoranthene	15.116	252	63055	3.448	ng	# 97
89) Benzo(k)fluoranthene	15.116	252	63055	3.768	ng	# 97

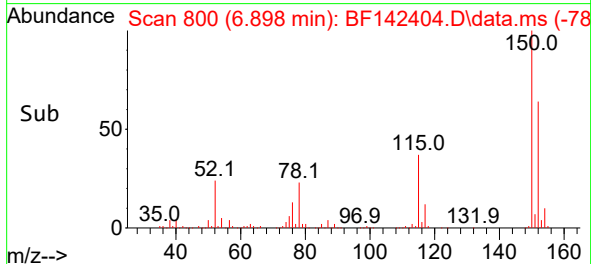
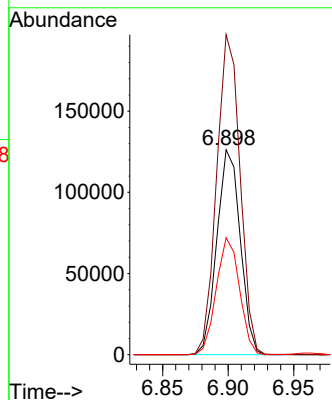
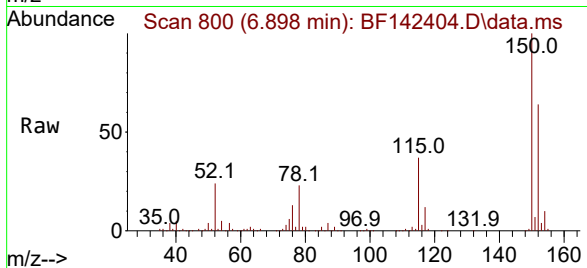
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

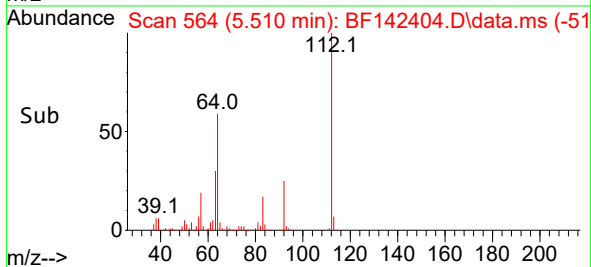
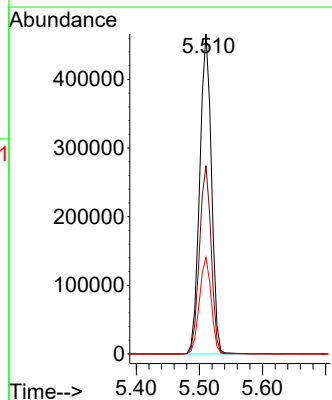
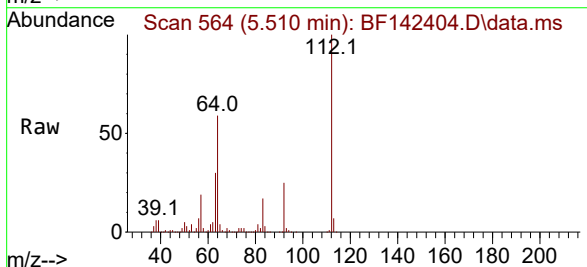
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BNA_F
ClientSampleId :
COMP-1

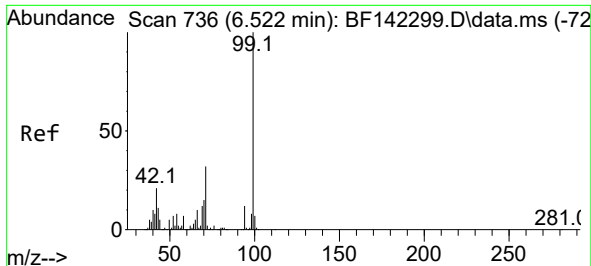
Tgt Ion:152 Resp: 156558
Ion Ratio Lower Upper
152 100
150 156.2 126.6 190.0
115 57.0 47.3 70.9



#5
2-Fluorophenol
Concen: 65.663 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

Tgt Ion:112 Resp: 602202
Ion Ratio Lower Upper
112 100
64 58.8 48.9 73.3
63 30.2 25.6 38.4

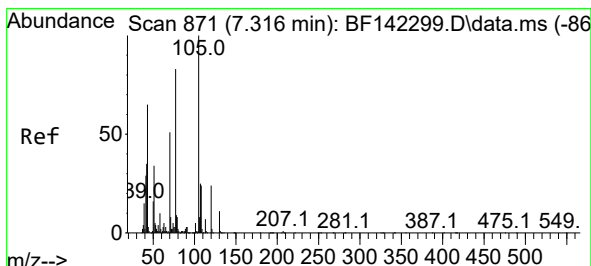
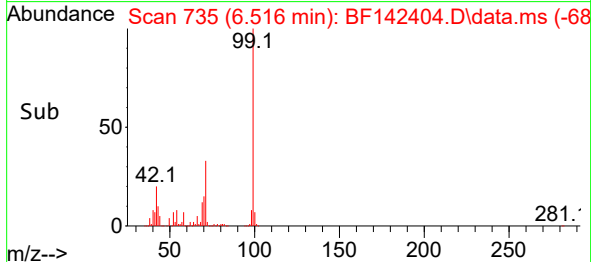
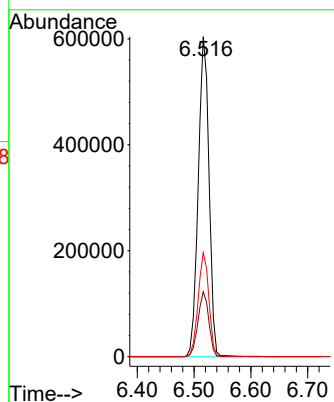
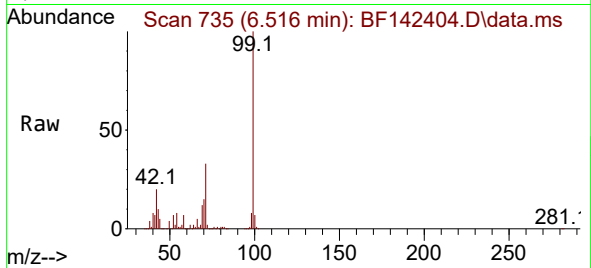




#7
Phenol-d6
Concen: 70.958 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

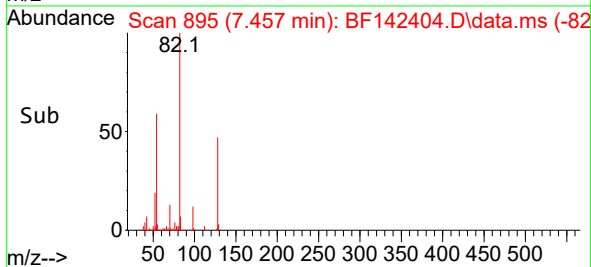
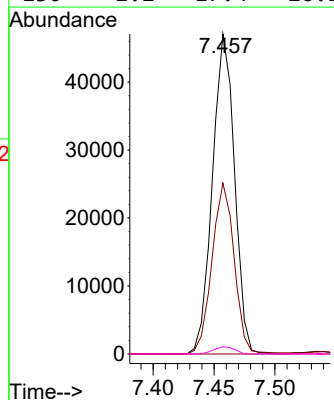
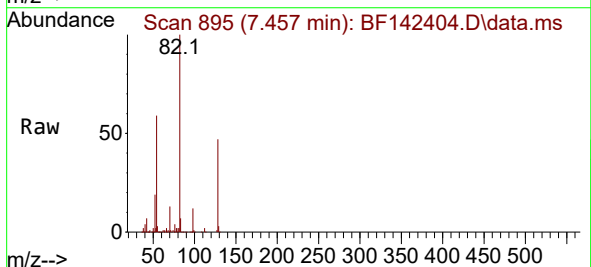
Instrument :
BNA_F
ClientSampleId :
COMP-1

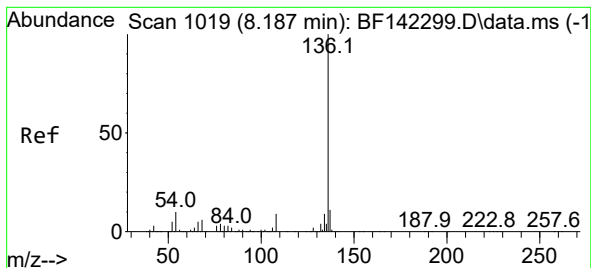
Tgt Ion: 99 Resp: 800395
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.4
71 32.5 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 8.486 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

Tgt Ion: 70 Resp: 59210
Ion Ratio Lower Upper
70 100
42 53.4 54.8 82.2#
101 0.0 7.7 11.5#
130 2.2 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:136 Resp: 584993

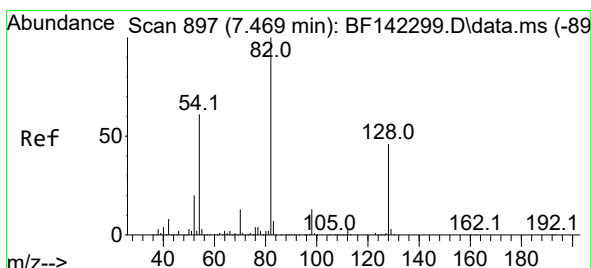
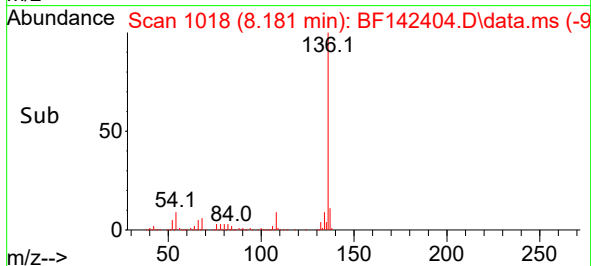
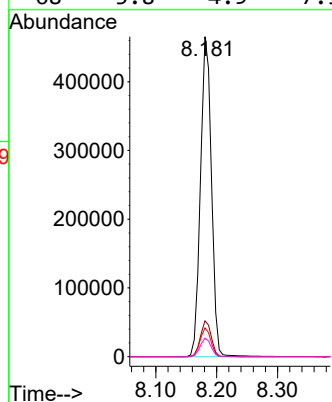
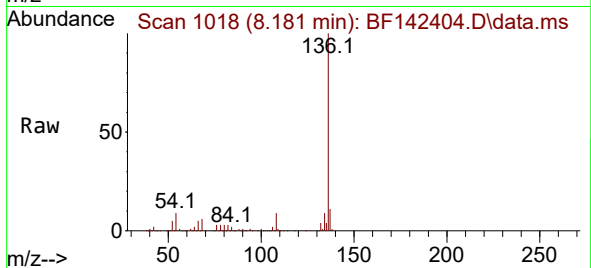
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.0 7.7 11.5

68 5.8 4.9 7.3



#23

Nitrobenzene-d5

Concen: 46.741 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

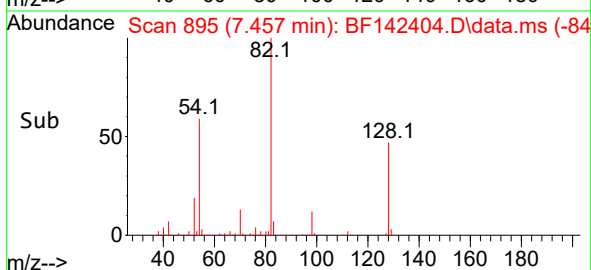
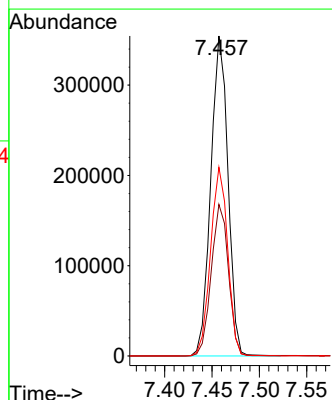
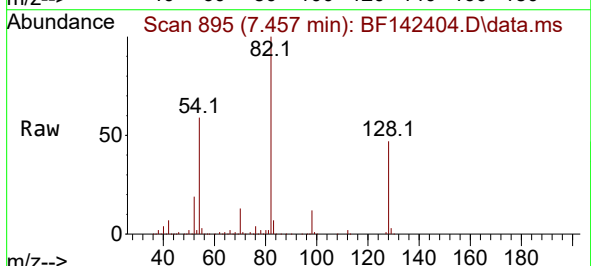
Tgt Ion: 82 Resp: 448341

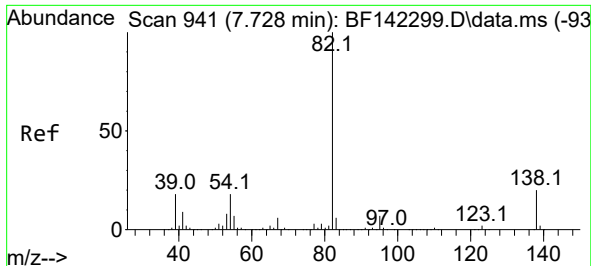
Ion Ratio Lower Upper

82 100

128 47.4 37.0 55.6

54 58.9 48.6 73.0

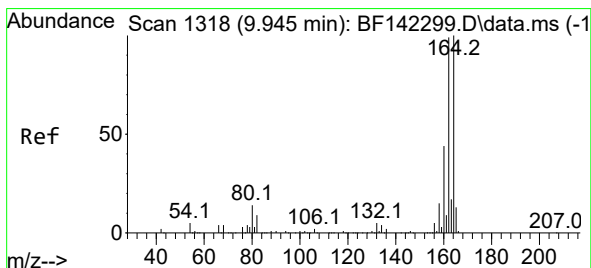
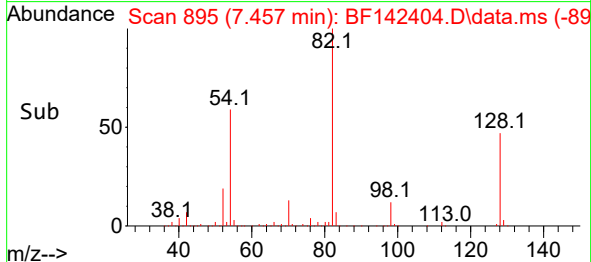
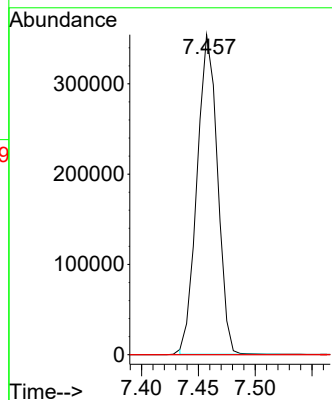
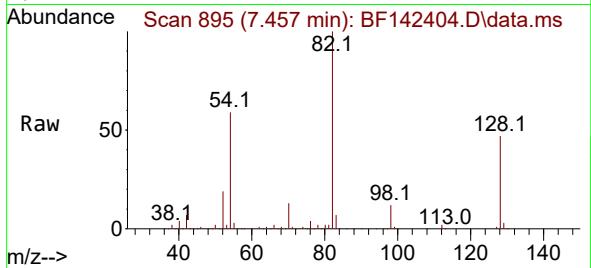




#25
Isophorone
Concen: 24.416 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

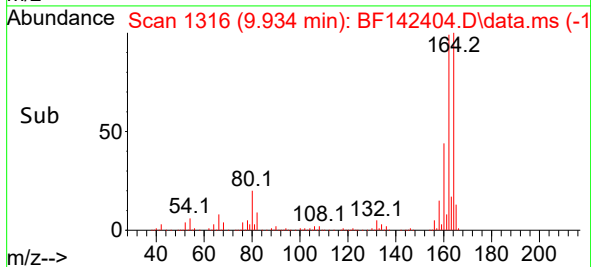
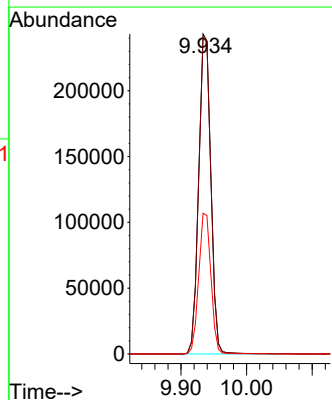
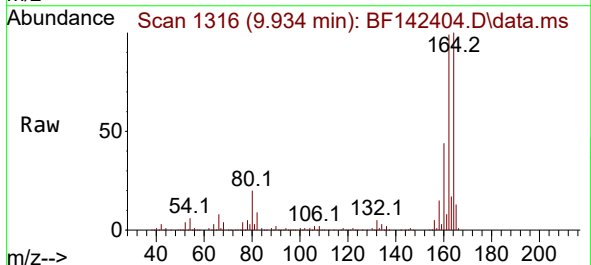
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ClientSampleId :
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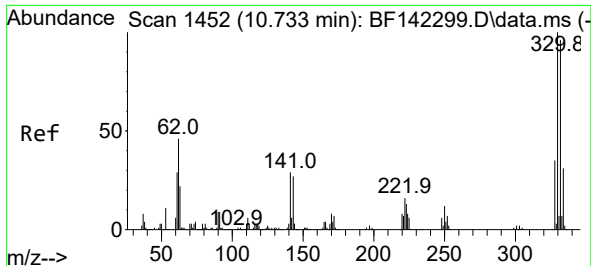
Tgt Ion: 82 Resp: 443500
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

Tgt Ion:164 Resp: 313171
Ion Ratio Lower Upper
164 100
162 99.0 79.2 118.8
160 44.0 35.3 52.9

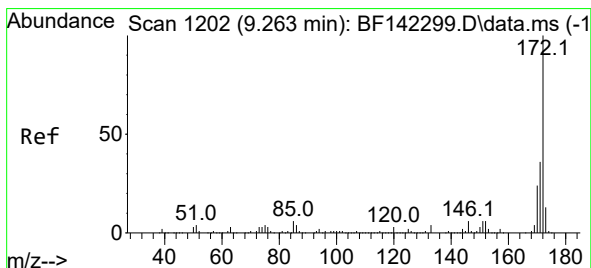
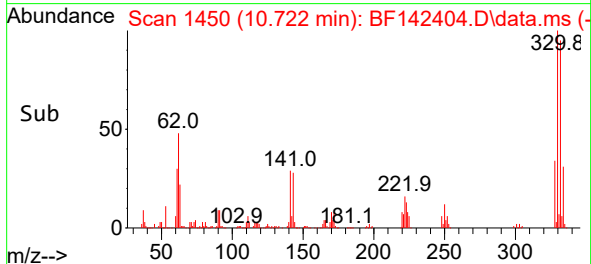
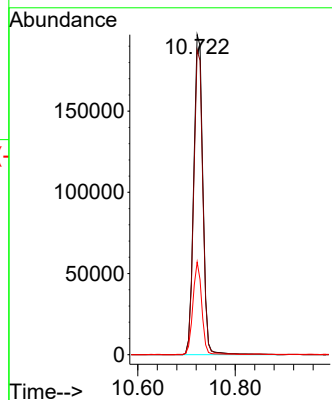
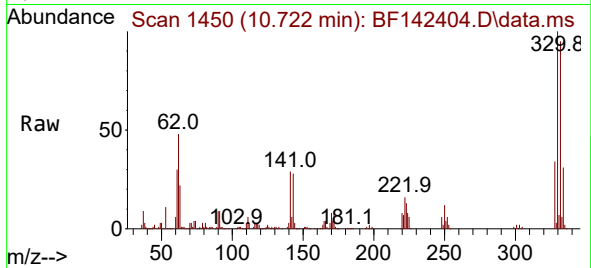




#42
2,4,6-Tribromophenol
Concen: 85.416 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

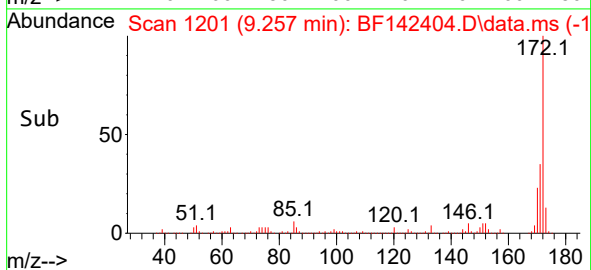
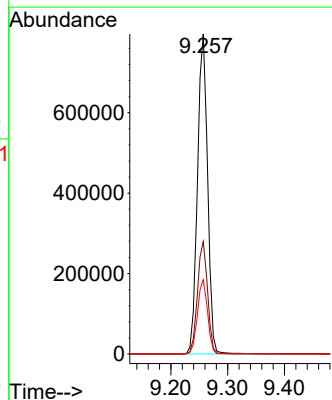
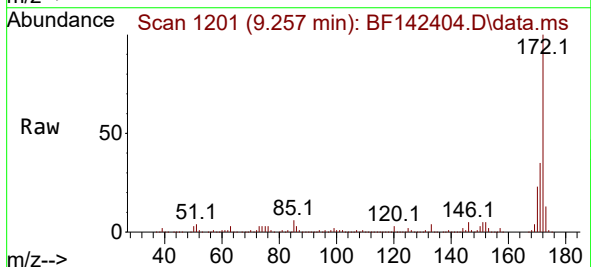
Instrument :
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ClientSampleId :
COMP-1

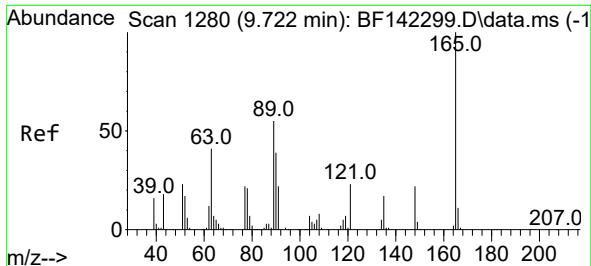
Tgt Ion:330 Resp: 258265
Ion Ratio Lower Upper
330 100
332 95.1 76.8 115.2
141 28.2 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 45.093 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

Tgt Ion:172 Resp: 990403
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.2 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 10.691 ng

RT: 9.934 min Scan# 1316

Delta R.T. 0.212 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

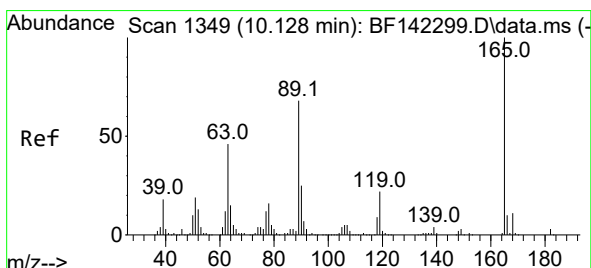
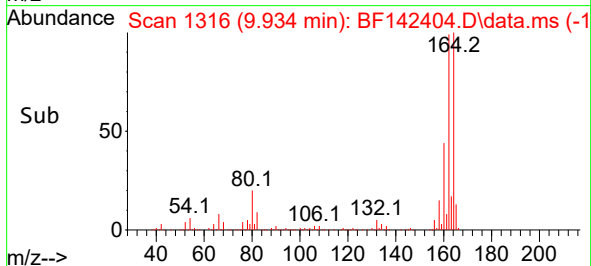
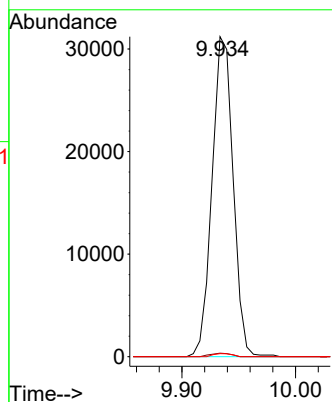
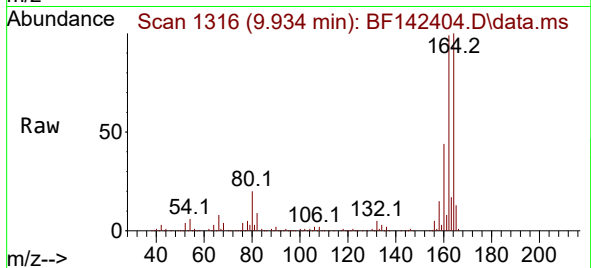
Tgt Ion:165 Resp: 40244

Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 1.0 44.6 66.8#



#57

2,4-Dinitrotoluene

Concen: 8.335 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.194 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

Tgt Ion:165 Resp: 40245

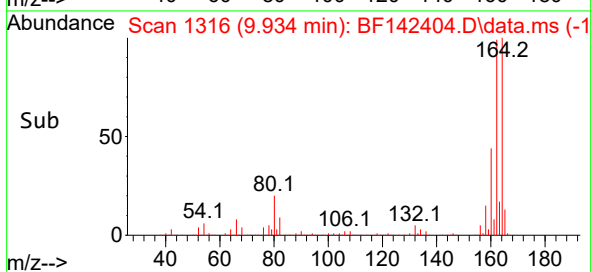
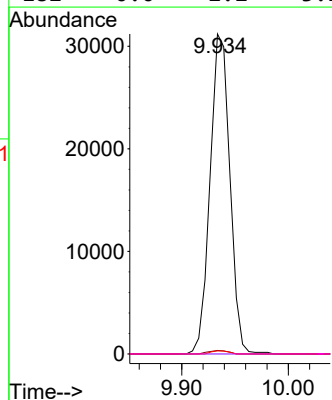
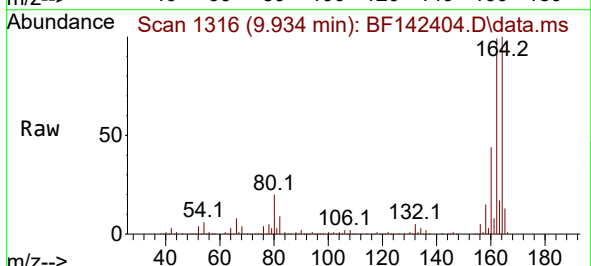
Ion Ratio Lower Upper

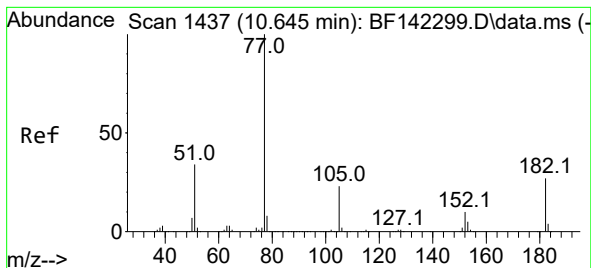
165 100

63 1.1 37.1 55.7#

89 1.0 54.4 81.6#

182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 5.352 ng

RT: 10.651 min Scan# 1438

Delta R.T. 0.006 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

Instrument :

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ClientSampleId :

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Tgt Ion: 77 Resp: 102703

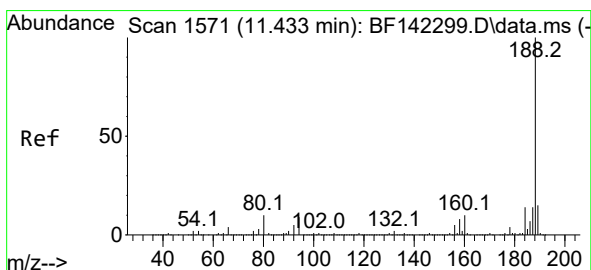
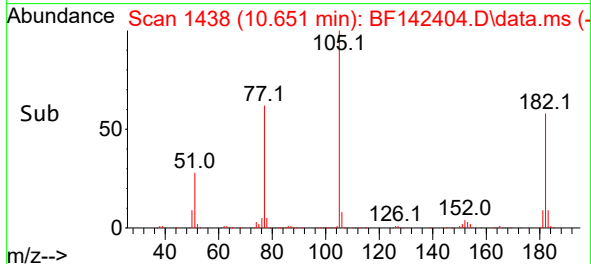
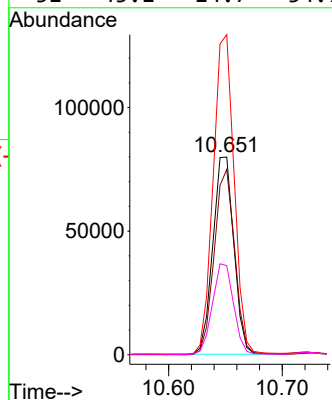
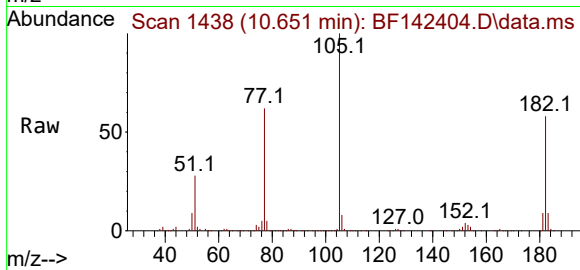
Ion Ratio Lower Upper

77 100

182 93.6 6.9 46.9#

105 161.9 2.7 42.7#

51 45.1 14.7 54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

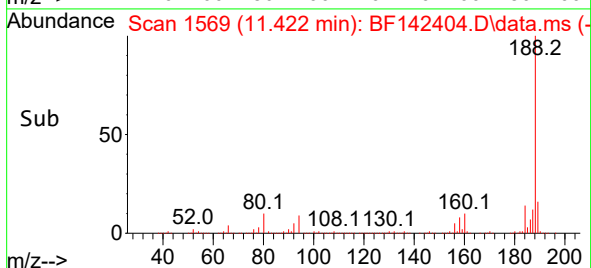
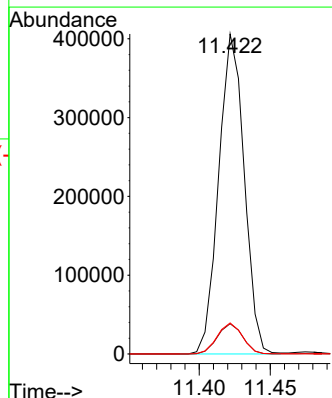
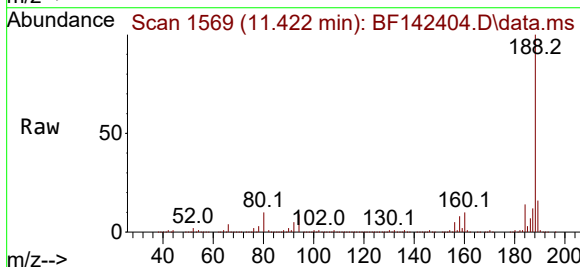
Tgt Ion:188 Resp: 506903

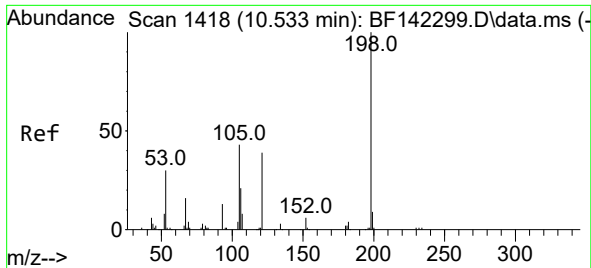
Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

80 9.7 7.9 11.9

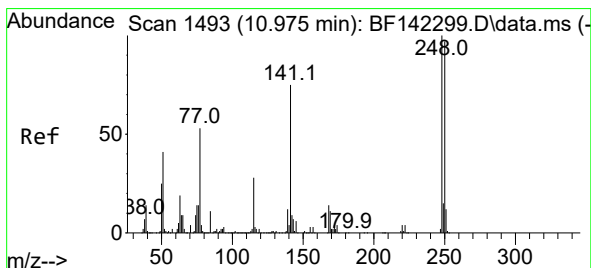
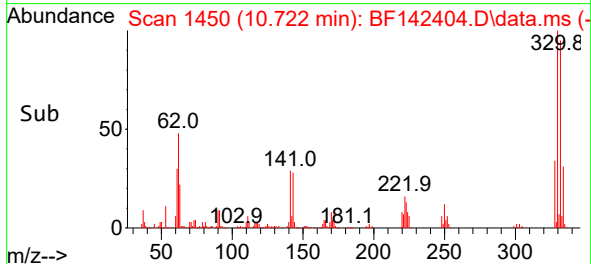
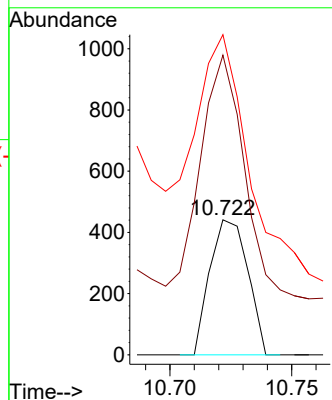
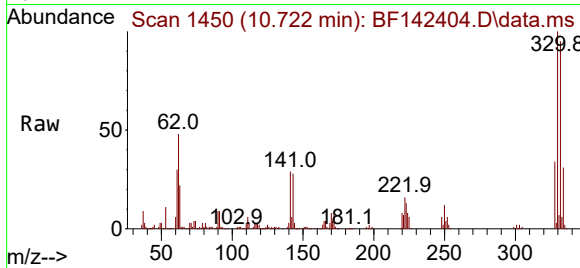




#65
4,6-Dinitro-2-methylphenol
Concen: 7.357 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.189 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

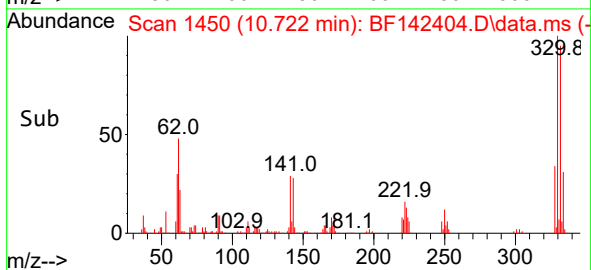
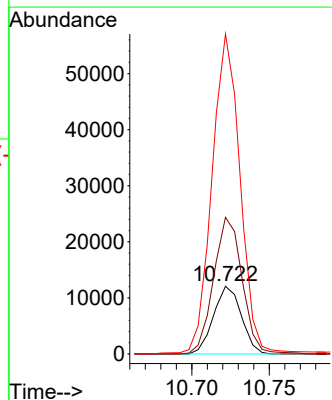
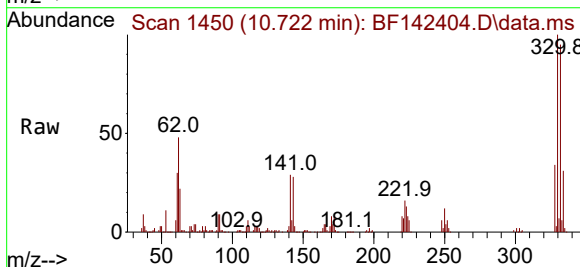
Instrument :
BNA_F
ClientSampleId :
COMP-1

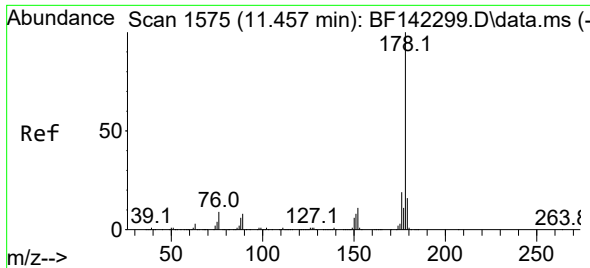
Tgt Ion:198 Resp: 477
Ion Ratio Lower Upper
198 100
51 222.0 32.9 72.9#
105 237.2 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 2.624 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

Tgt Ion:248 Resp: 15075
Ion Ratio Lower Upper
248 100
250 201.8 77.9 116.9#
141 472.5 59.8 89.8#

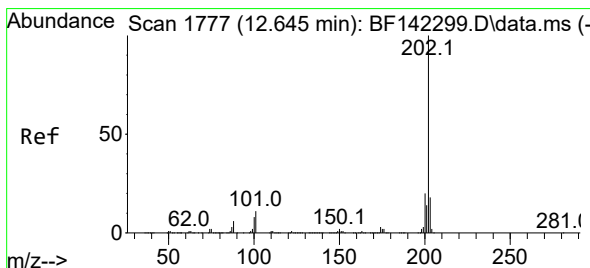
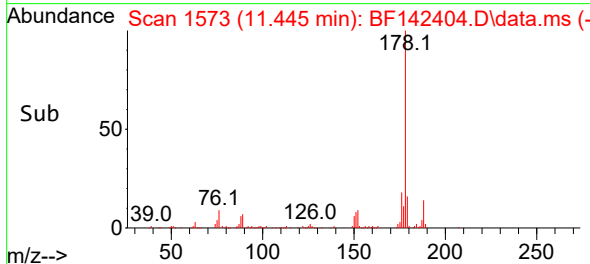
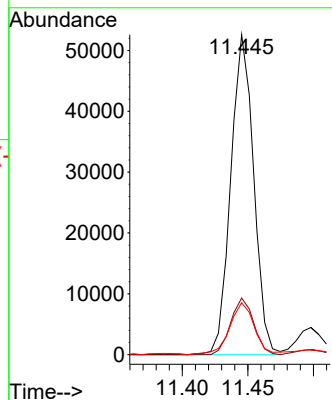
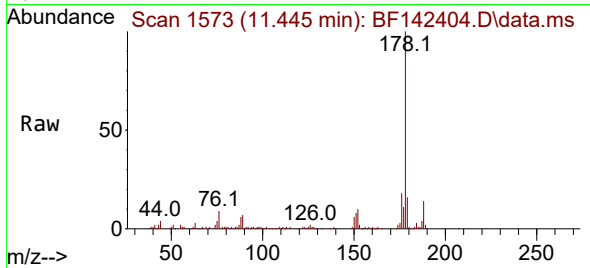




#71
Phenanthrene
Concen: 2.408 ng
RT: 11.445 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

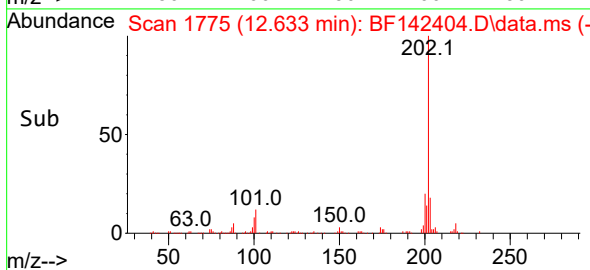
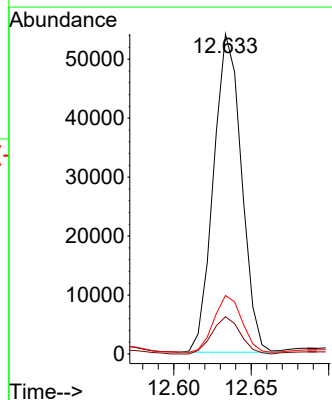
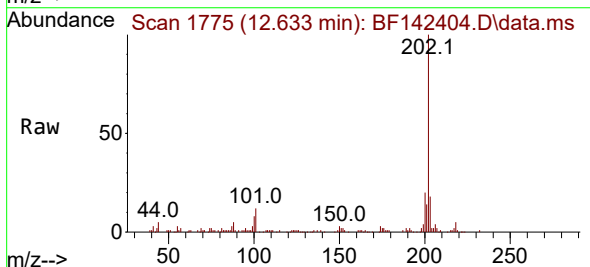
Instrument :
BNA_F
ClientSampleId :
COMP-1

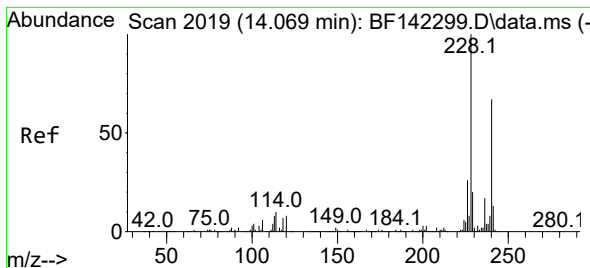
Tgt Ion:178 Resp: 63995
Ion Ratio Lower Upper
178 100
176 17.7 15.5 23.3
179 16.2 12.6 18.8



#75
Fluoranthene
Concen: 2.552 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

Tgt Ion:202 Resp: 67795
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.4
203 18.3 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

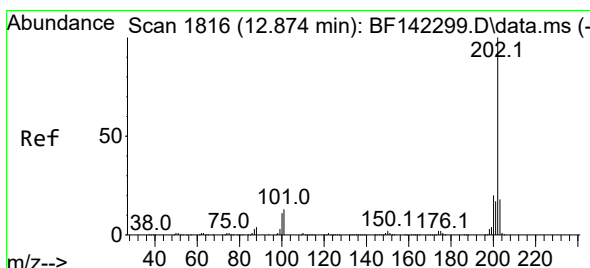
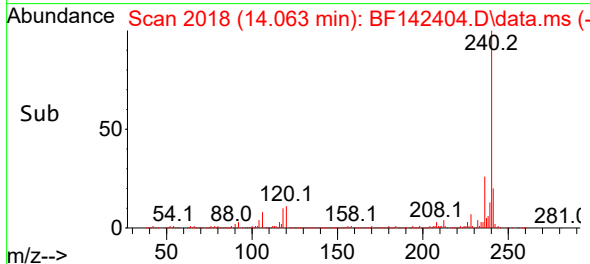
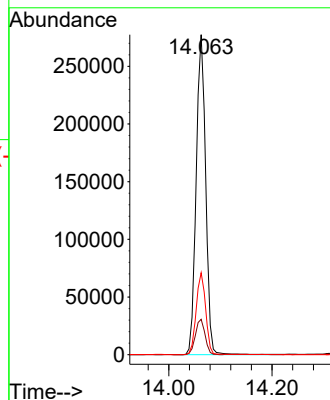
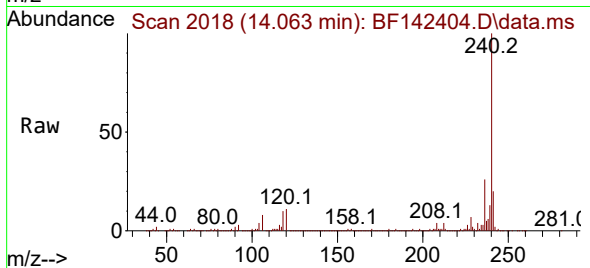
Tgt Ion:240 Resp: 354178

Ion Ratio Lower Upper

240 100

120 11.1 9.7 14.5

236 25.6 20.0 30.0



#78

Pyrene

Concen: 3.779 ng

RT: 12.863 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

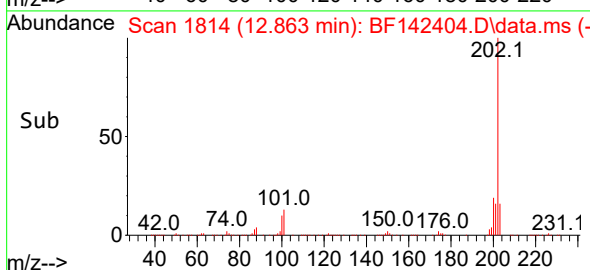
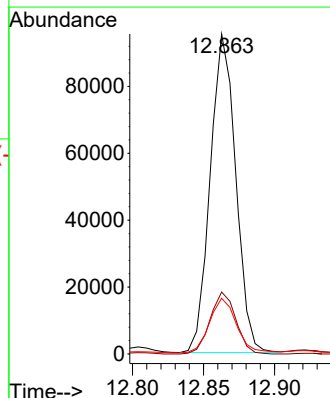
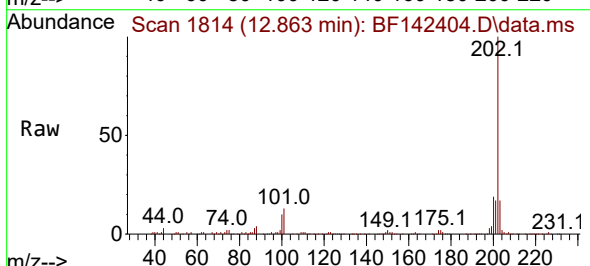
Tgt Ion:202 Resp: 119119

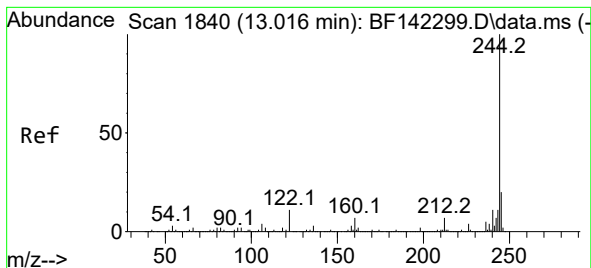
Ion Ratio Lower Upper

202 100

200 19.4 16.2 24.4

203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 40.360 ng

RT: 13.010 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

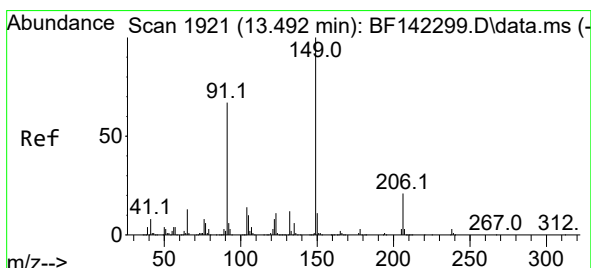
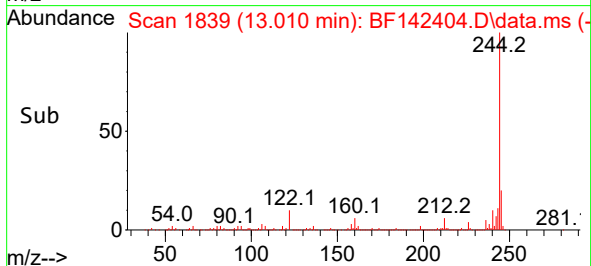
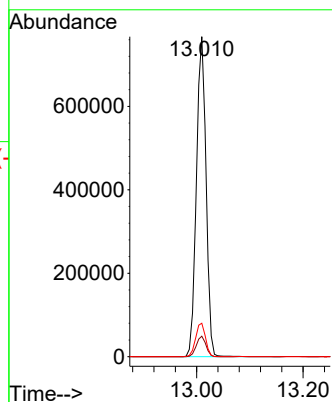
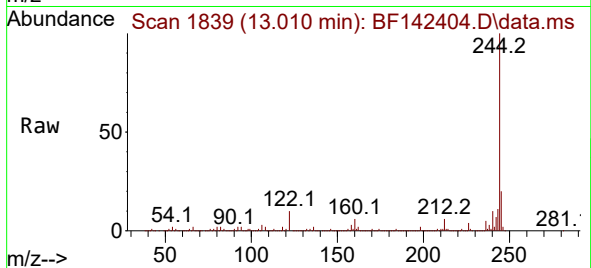
Tgt Ion:244 Resp: 965773

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

122 10.4 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.690 ng

RT: 13.486 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

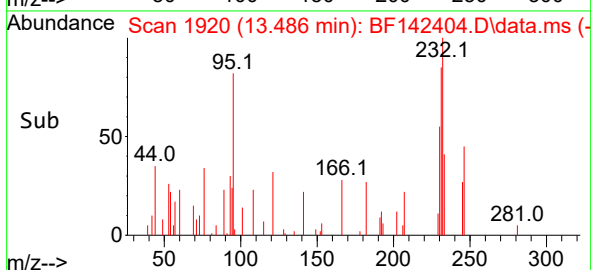
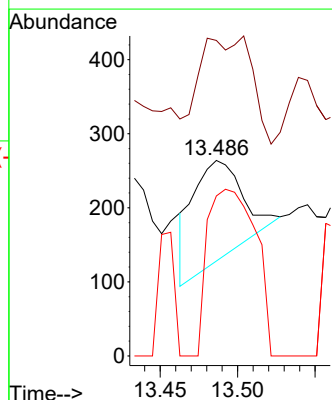
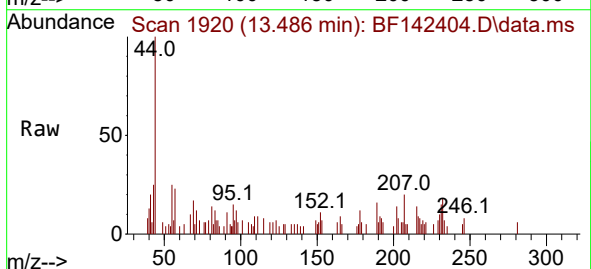
Tgt Ion:149 Resp: 308

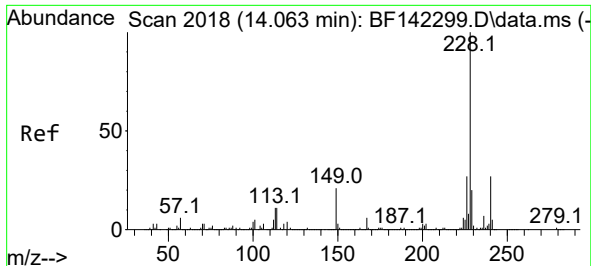
Ion Ratio Lower Upper

149 100

91 161.4 53.8 80.6#

206 81.8 16.6 24.8#

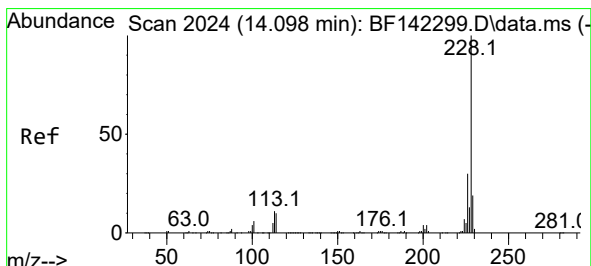
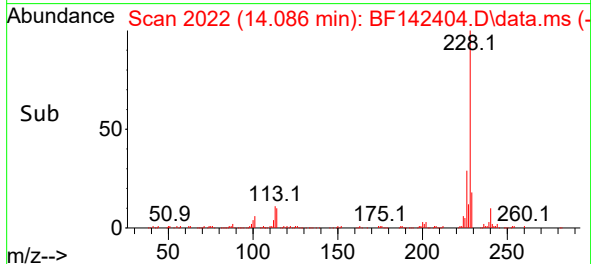
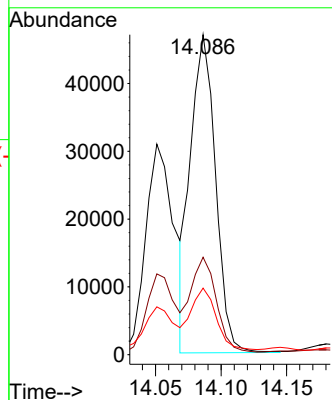
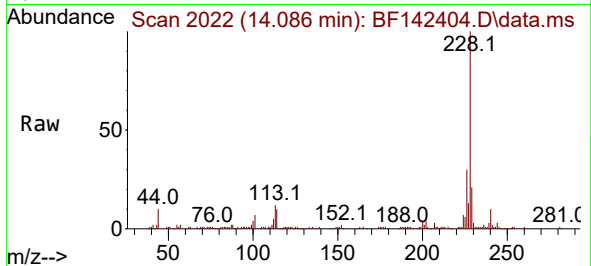




#81
Benzo(a)anthracene
Concen: 2.709 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.024 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

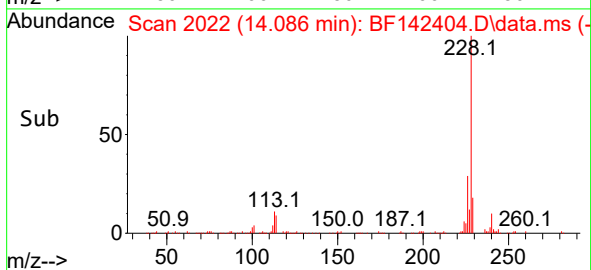
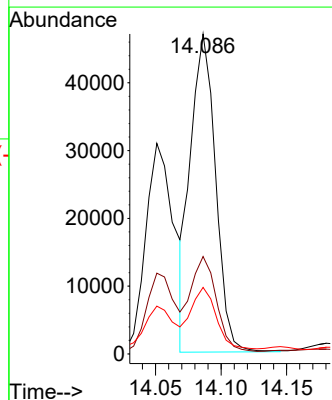
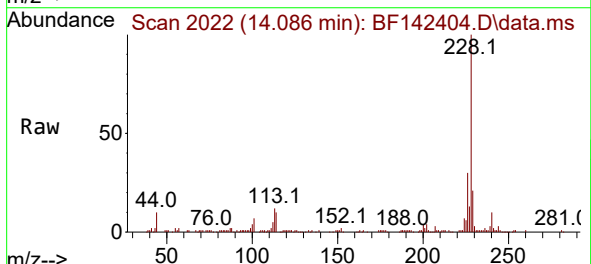
Instrument :
BNA_F
ClientSampleId :
COMP-1

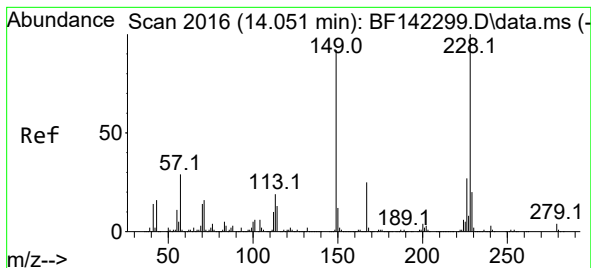
Tgt Ion:228 Resp: 62147
Ion Ratio Lower Upper
228 100
226 30.5 21.5 32.3
229 20.8 15.9 23.9



#83
Chrysene
Concen: 2.911 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

Tgt Ion:228 Resp: 62147
Ion Ratio Lower Upper
228 100
226 30.5 23.9 35.9
229 20.8 15.4 23.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.318 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

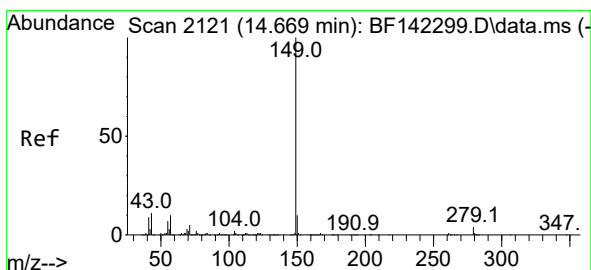
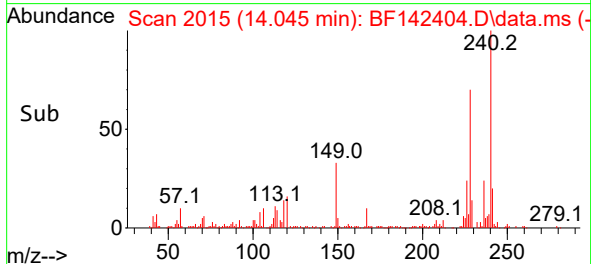
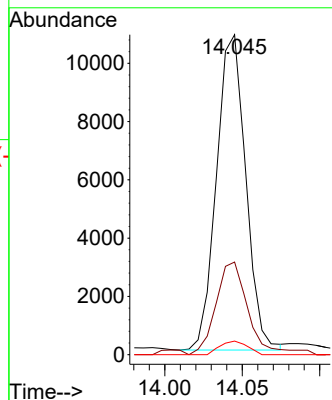
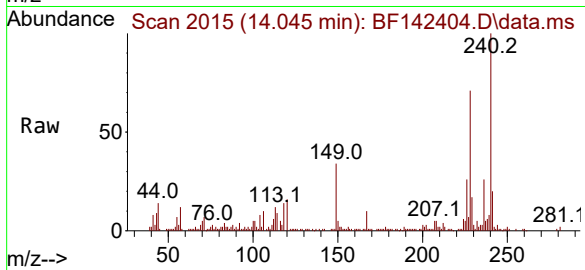
Tgt Ion:149 Resp: 14211

Ion Ratio Lower Upper

149 100

167 28.9 22.0 33.0

279 4.3 3.0 4.6



#85

Di-n-octyl phthalate

Concen: 8.458 ng

RT: 14.651 min Scan# 2118

Delta R.T. -0.018 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

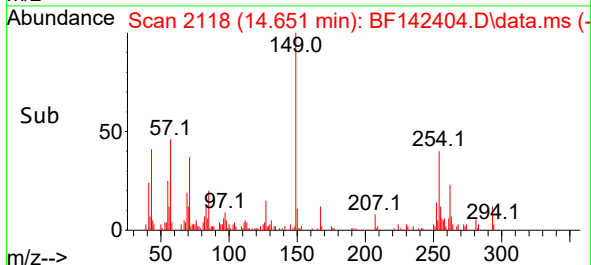
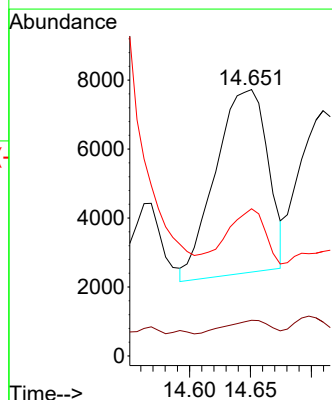
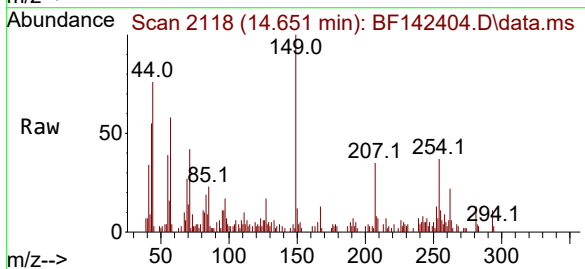
Tgt Ion:149 Resp: 15965

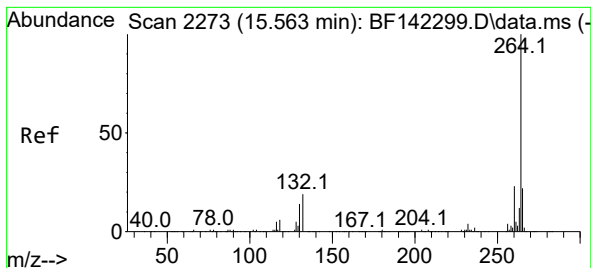
Ion Ratio Lower Upper

149 100

167 5.4 1.1 1.7#

43 24.0 9.2 13.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

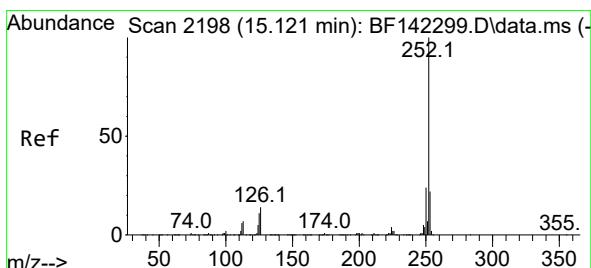
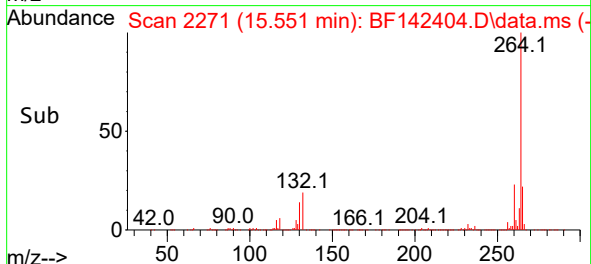
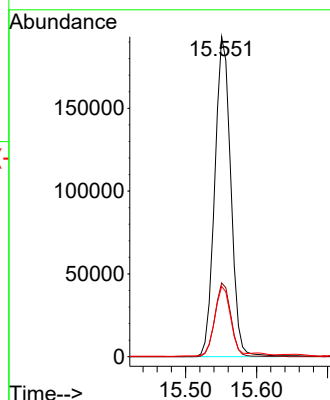
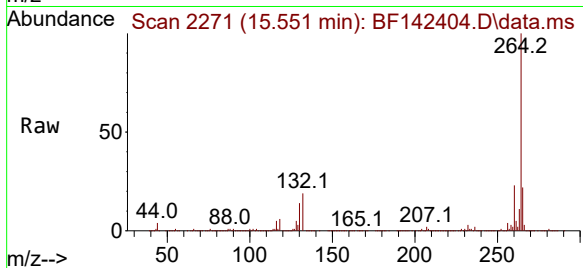
Tgt Ion:264 Resp: 301909

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 21.9 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 3.448 ng

RT: 15.116 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF142404.D

Acq: 15 May 2025 21:05

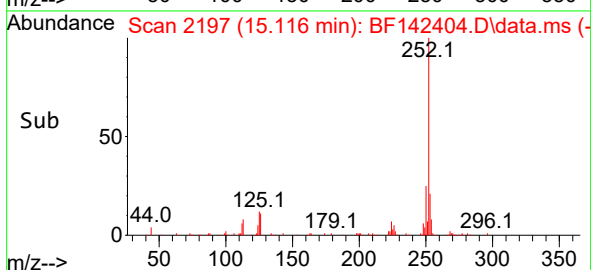
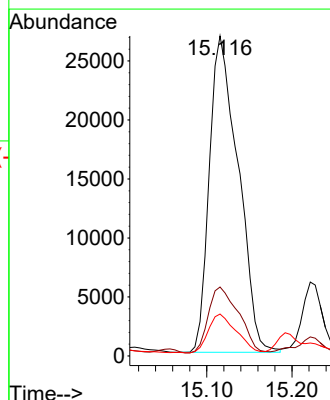
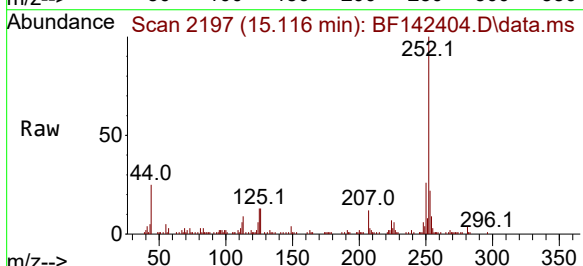
Tgt Ion:252 Resp: 63055

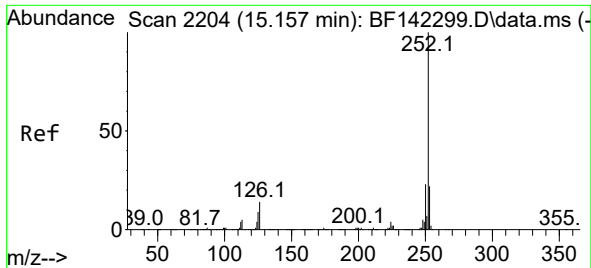
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

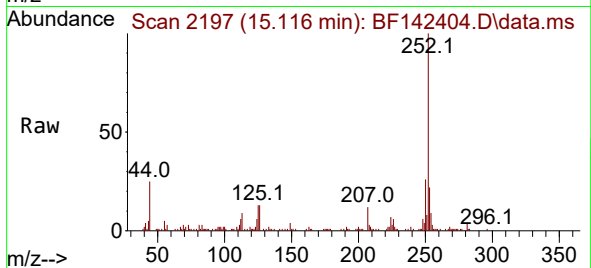
125 13.1 8.7 13.1#





#89
Benzo(k)fluoranthene
Concen: 3.768 ng
RT: 15.116 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF142404.D
Acq: 15 May 2025 21:05

Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:252 Resp: 63055
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 13.1 8.1 12.1#

