

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
 Data File : BF141772.D
 Acq On : 25 Feb 2025 19:03
 Operator : RC/JU
 Sample : Q1416-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-022425

Quant Time: Feb 26 00:09:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

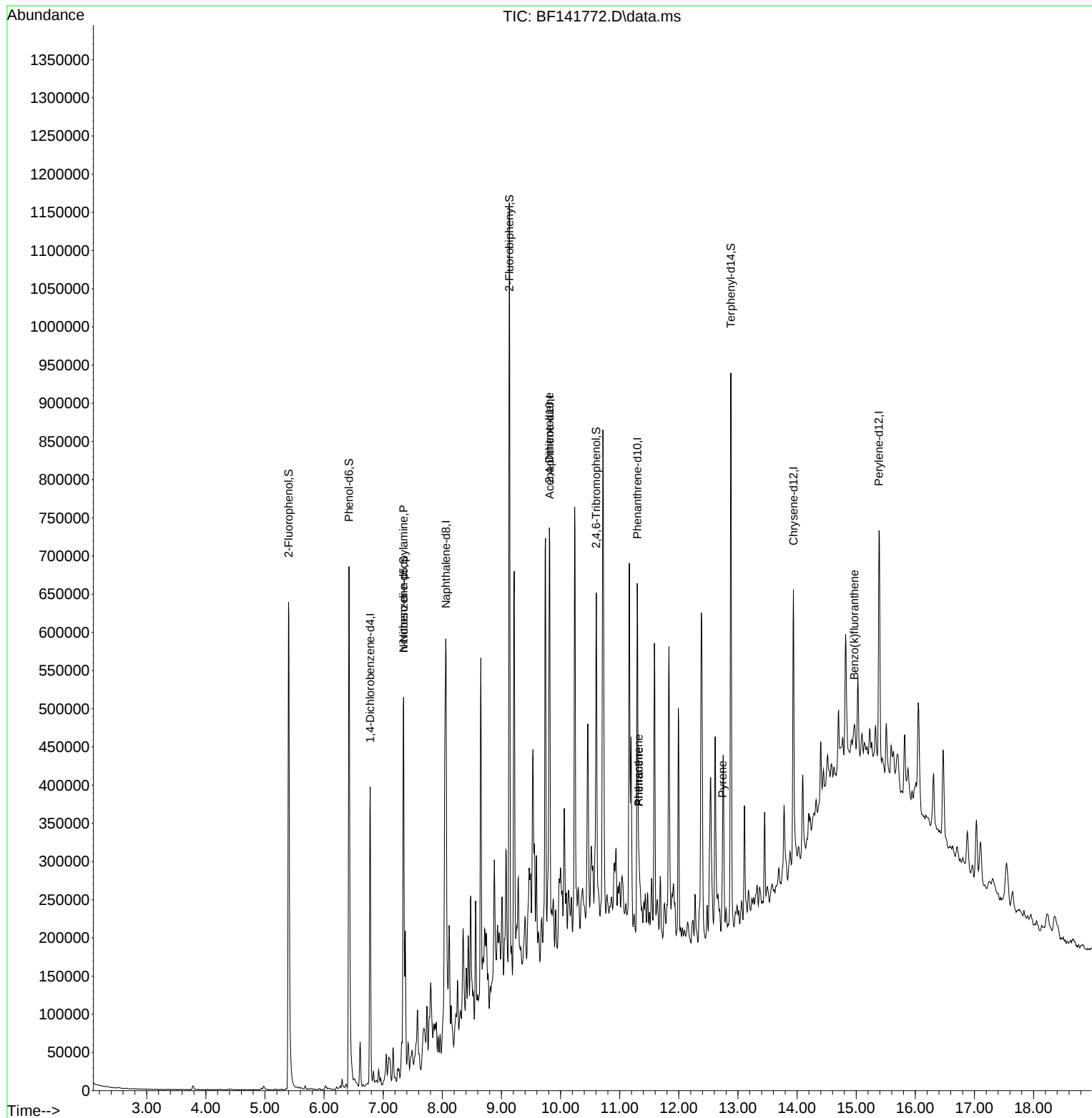
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	83391	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	318028	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	158017	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	228309	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	170357	20.000	ng	-0.02
86) Perylene-d12	15.386	264	141085	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	294931	55.447	ng	-0.01
7) Phenol-d6	6.422	99	363908	54.129	ng	-0.02
23) Nitrobenzene-d5	7.345	82	232325	38.103	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	74786	47.114	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	441471	43.043	ng	-0.02
79) Terphenyl-d14	12.880	244	352131	34.895	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	35553	8.841	ng	Qvalue # 73
57) 2,4-Dinitrotoluene	9.810	165	23559	7.546	ng	# 21
71) Phenanthrene	11.322	178	39154	3.116	ng	96
72) Anthracene	11.322	178	39154	3.099	ng	95
78) Pyrene	12.739	202	44897	3.096	ng	98
89) Benzo(k)fluoranthene	14.968	252	18382	2.272	ng	# 25

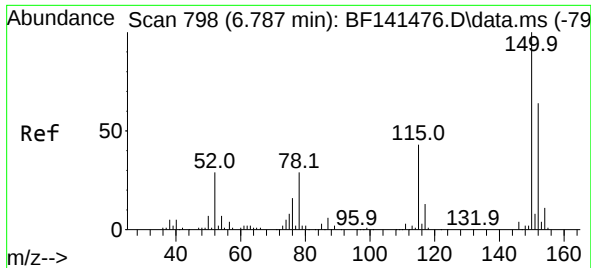
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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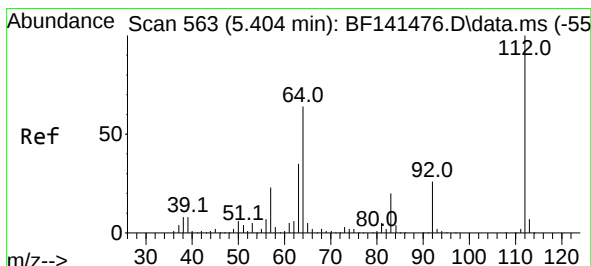
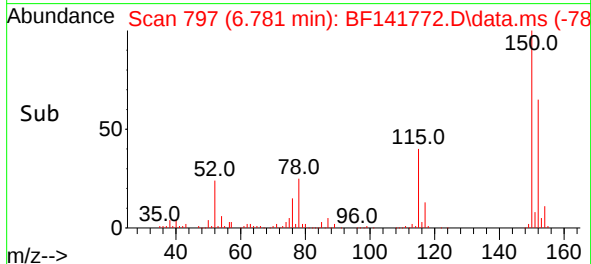
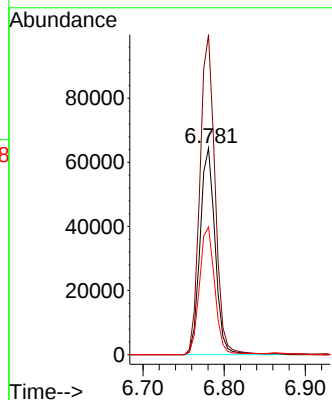
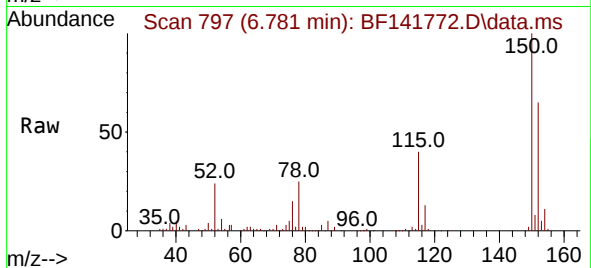




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141772.D
Acq: 25 Feb 2025 19:03

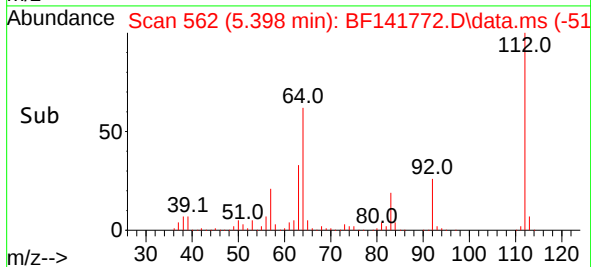
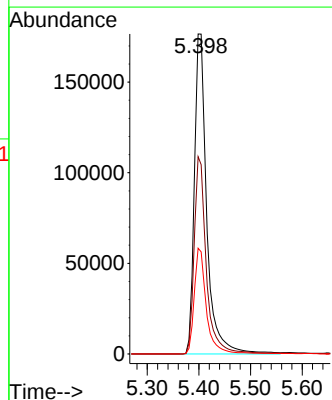
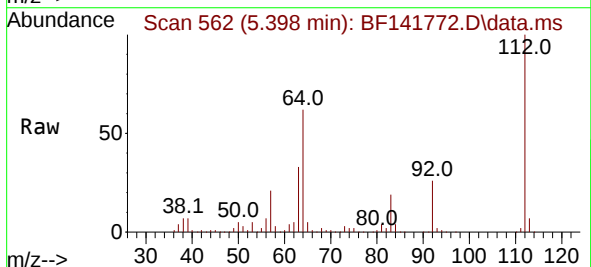
Instrument :
BNA_F
ClientSampleId :
OK-01-022425

Tgt Ion:152 Resp: 83391
Ion Ratio Lower Upper
152 100
150 154.9 125.0 187.4
115 61.8 53.6 80.4



#5
2-Fluorophenol
Concen: 55.447 ng
RT: 5.398 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141772.D
Acq: 25 Feb 2025 19:03

Tgt Ion:112 Resp: 294931
Ion Ratio Lower Upper
112 100
64 61.7 51.1 76.7
63 33.1 28.4 42.6

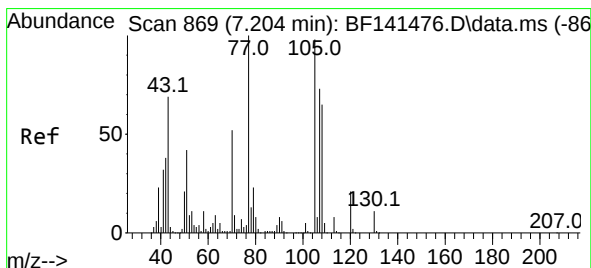
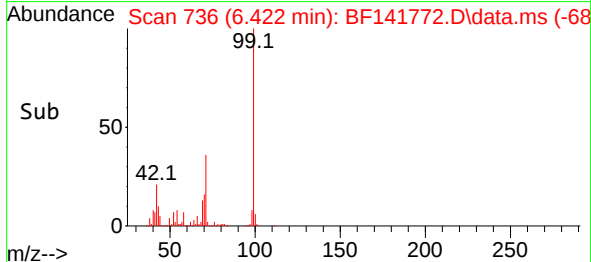
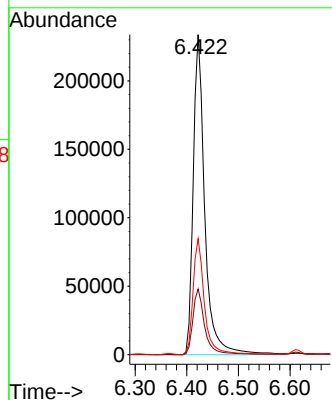
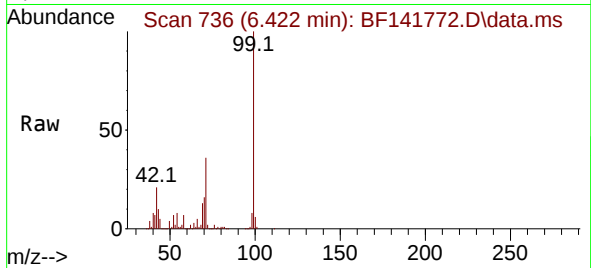




#7
Phenol-d6
Concen: 54.129 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141772.D
Acq: 25 Feb 2025 19:03

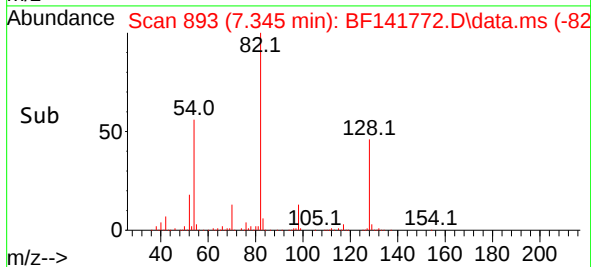
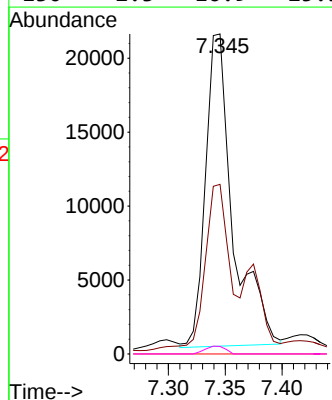
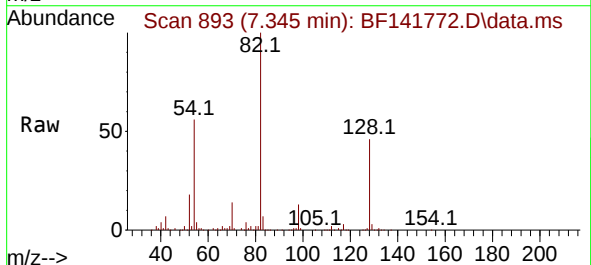
Instrument :
BNA_F
ClientSampleId :
OK-01-022425

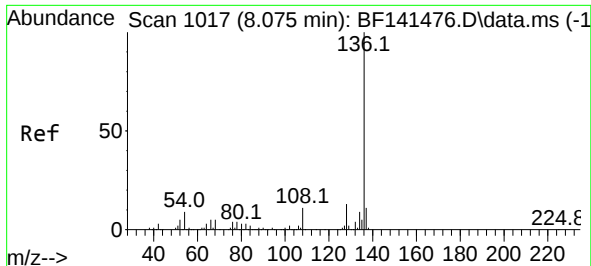
Tgt Ion: 99 Resp: 363908
Ion Ratio Lower Upper
99 100
42 20.5 19.1 28.7
71 36.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 8.841 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141772.D
Acq: 25 Feb 2025 19:03

Tgt Ion: 70 Resp: 35553
Ion Ratio Lower Upper
70 100
42 53.0 57.4 86.2#
101 0.0 8.0 12.0#
130 2.3 16.9 25.3#

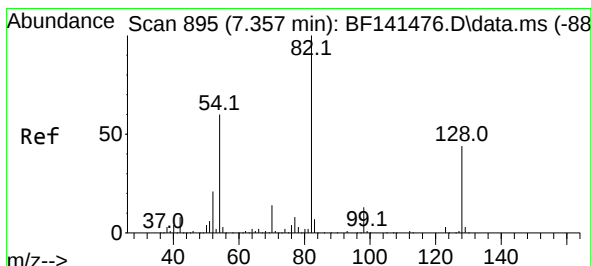
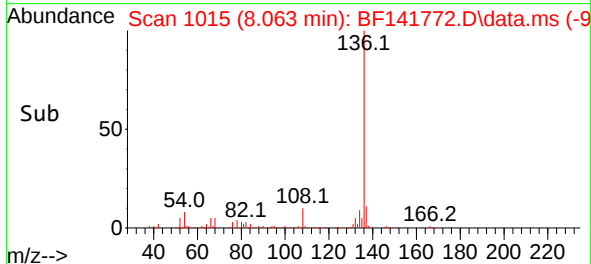
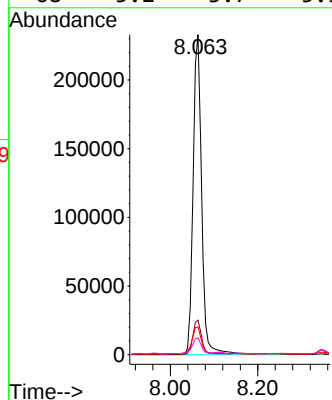
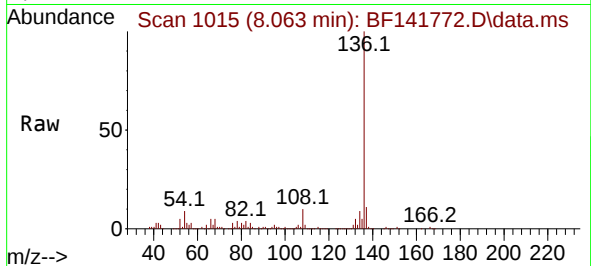




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141772.D
Acq: 25 Feb 2025 19:03

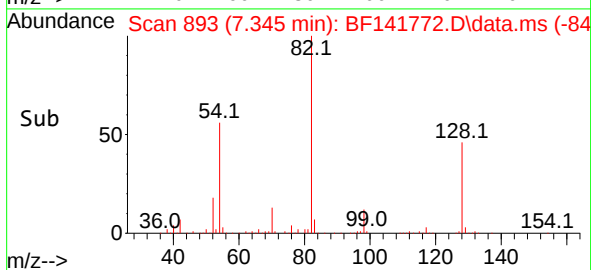
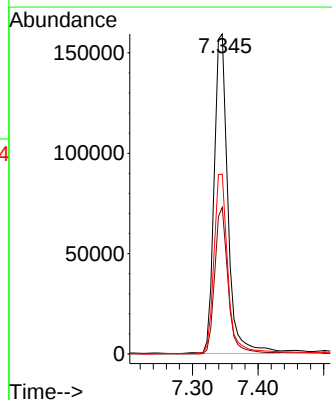
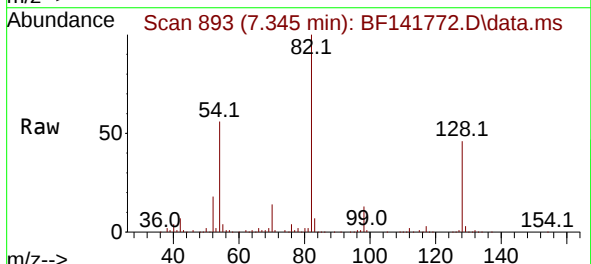
Instrument :
BNA_F
ClientSampleId :
OK-01-022425

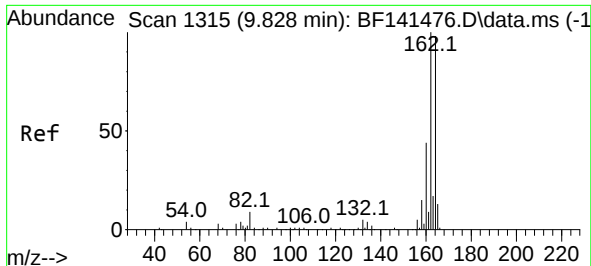
Tgt Ion:136 Resp: 318028
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.7 7.2 10.8
68 5.2 3.7 5.5



#23
Nitrobenzene-d5
Concen: 38.103 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141772.D
Acq: 25 Feb 2025 19:03

Tgt Ion: 82 Resp: 232325
Ion Ratio Lower Upper
82 100
128 45.8 34.8 52.2
54 56.2 48.2 72.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141772.D

Acq: 25 Feb 2025 19:03

Instrument :

BNA_F

ClientSampleId :

OK-01-022425

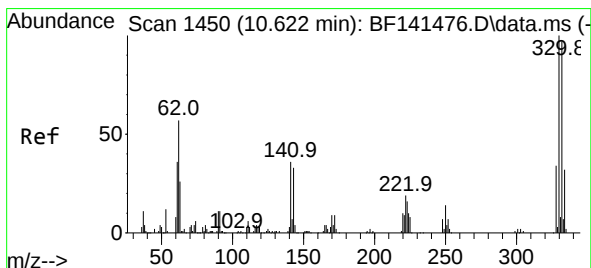
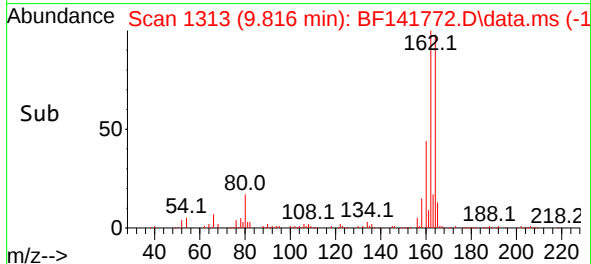
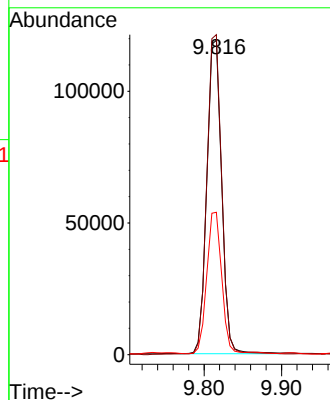
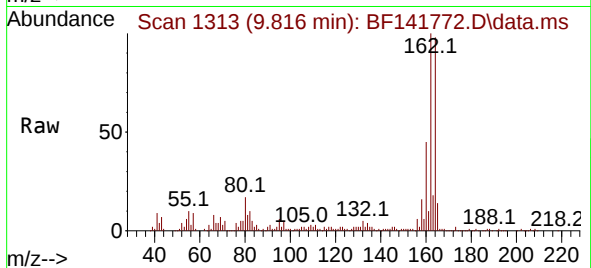
Tgt Ion:164 Resp: 158017

Ion Ratio Lower Upper

164 100

162 101.8 81.3 121.9

160 45.3 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 47.114 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141772.D

Acq: 25 Feb 2025 19:03

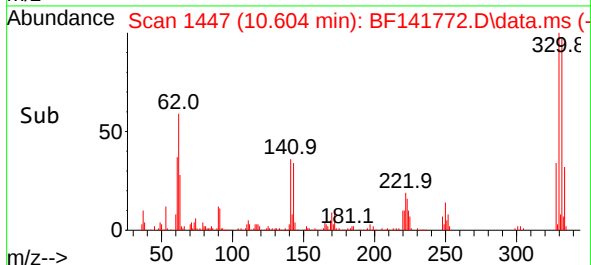
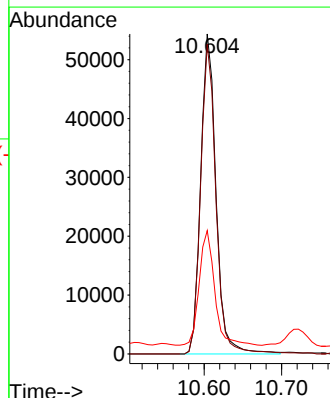
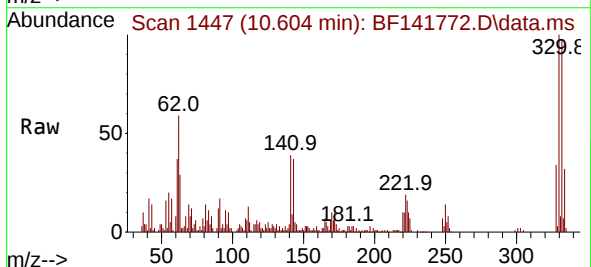
Tgt Ion:330 Resp: 74786

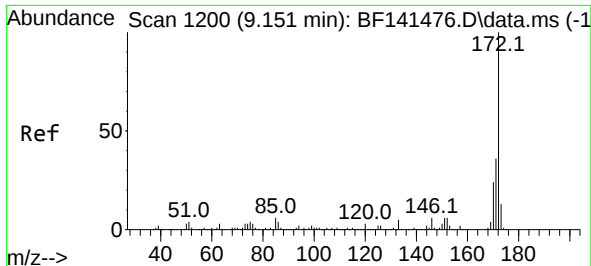
Ion Ratio Lower Upper

330 100

332 96.7 78.5 117.7

141 35.9 31.0 46.4

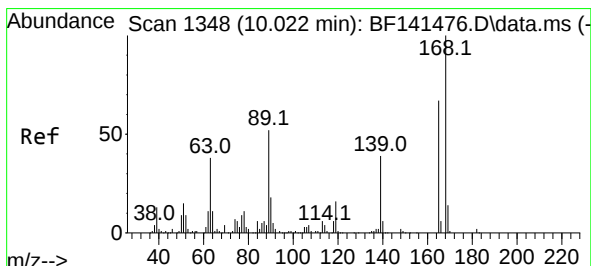
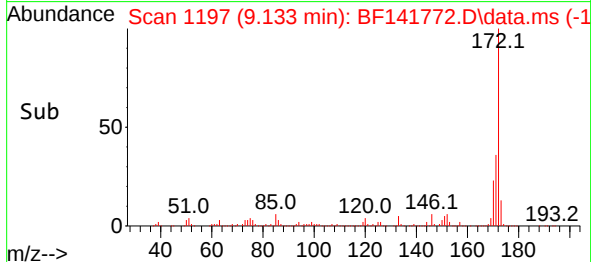
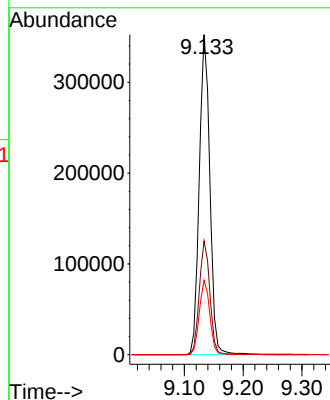
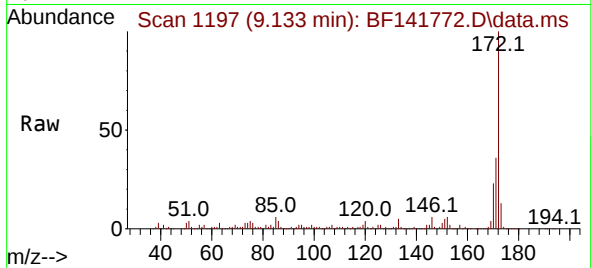




#45
2-Fluorobiphenyl
Concen: 43.043 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141772.D
Acq: 25 Feb 2025 19:03

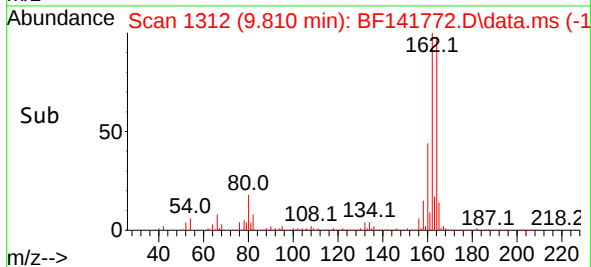
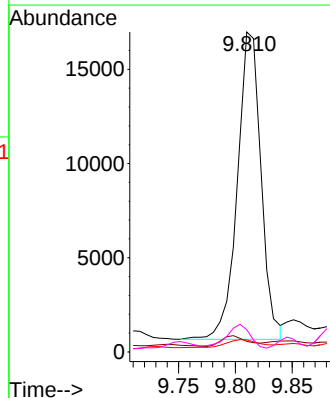
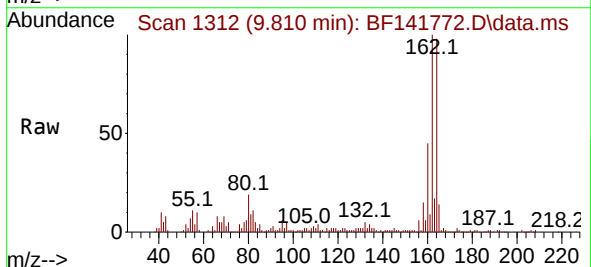
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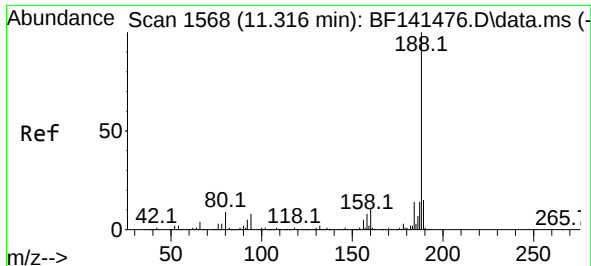
Tgt Ion:172 Resp: 441471
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 23.3 18.9 28.3



#57
2,4-Dinitrotoluene
Concen: 7.546 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.217 min
Lab File: BF141772.D
Acq: 25 Feb 2025 19:03

Tgt Ion:165 Resp: 23559
Ion Ratio Lower Upper
165 100
63 3.3 46.4 69.6#
89 3.8 61.8 92.6#
182 6.9 2.2 3.2#

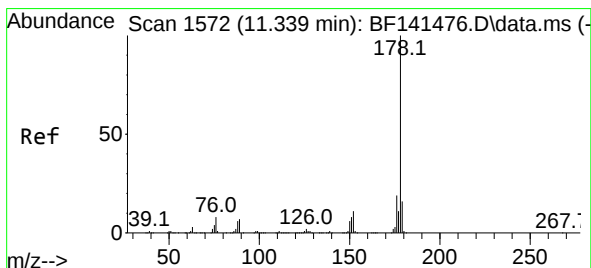
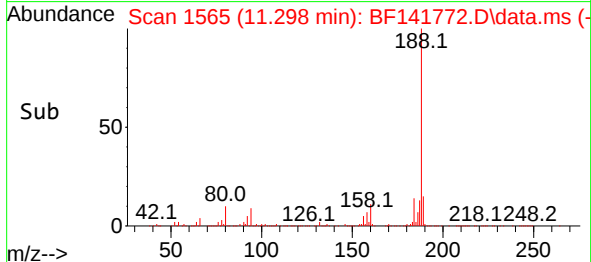
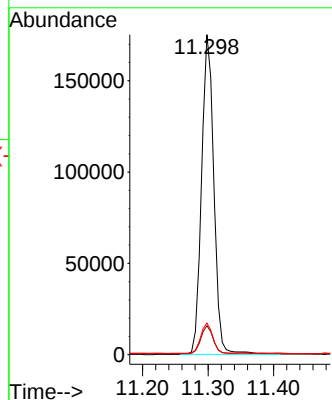
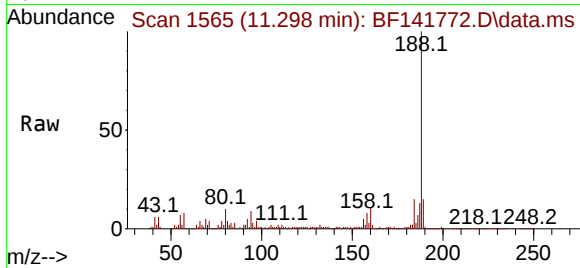




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141772.D
Acq: 25 Feb 2025 19:03

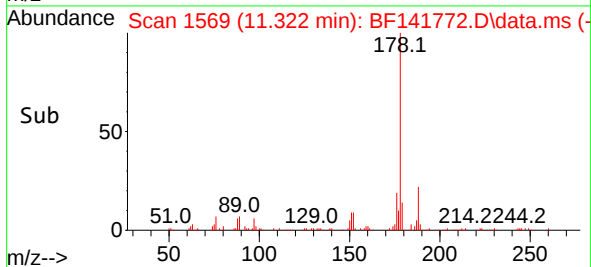
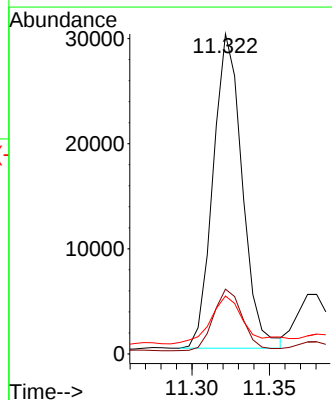
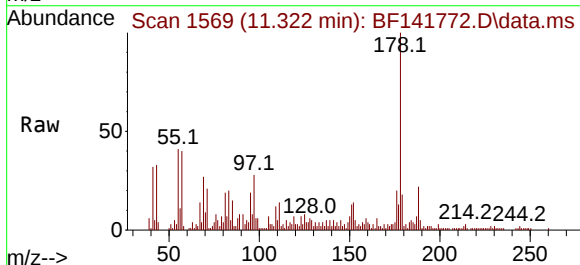
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OK-01-022425

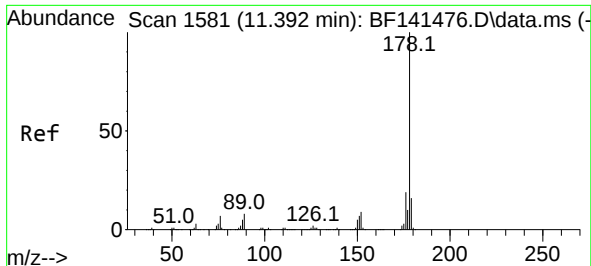
Tgt Ion:188 Resp: 228309
Ion Ratio Lower Upper
188 100
94 9.1 6.6 10.0
80 9.9 7.3 10.9



#71
Phenanthrene
Concen: 3.116 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.023 min
Lab File: BF141772.D
Acq: 25 Feb 2025 19:03

Tgt Ion:178 Resp: 39154
Ion Ratio Lower Upper
178 100
176 20.2 15.4 23.0
179 18.1 12.4 18.6

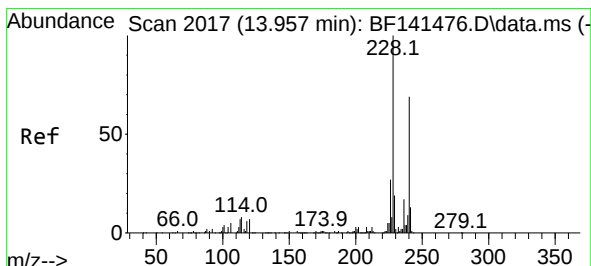
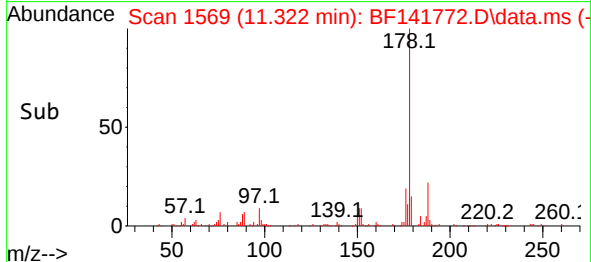
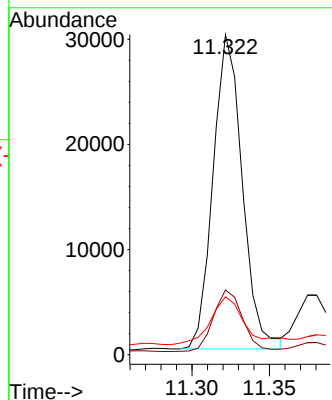
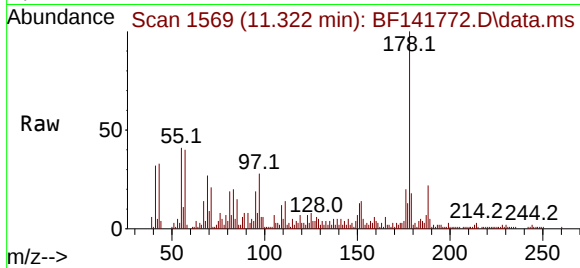




#72
 Anthracene
 Concen: 3.099 ng
 RT: 11.322 min Scan# 11
 Delta R.T. -0.076 min
 Lab File: BF141772.D
 Acq: 25 Feb 2025 19:03

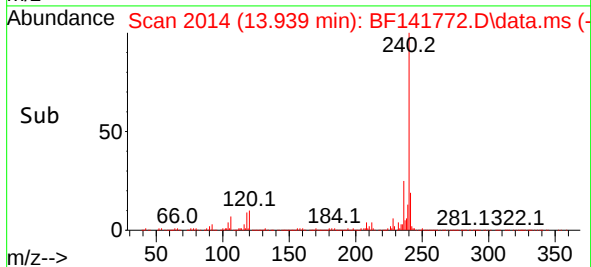
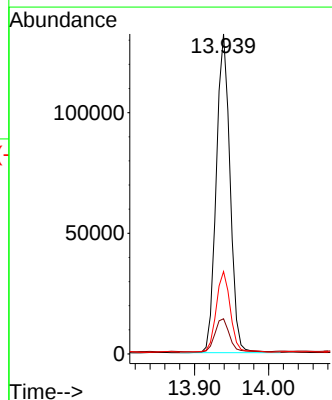
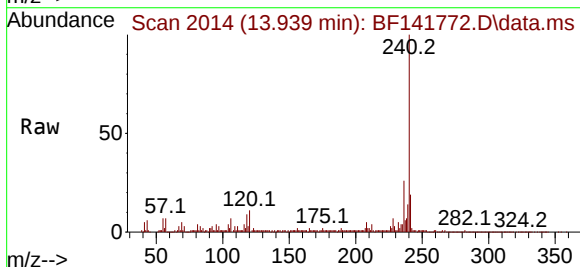
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-022425

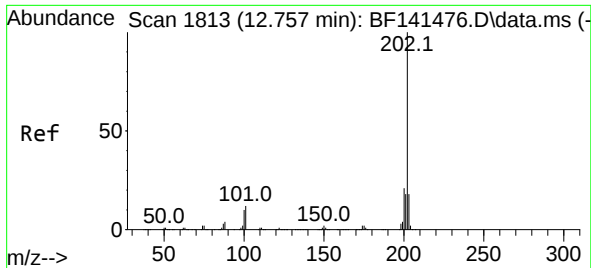
Tgt Ion:178	Resp:	39154
Ion Ratio	Lower	Upper
178	100	
176	20.2	14.8 22.2
179	18.1	12.4 18.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.939 min Scan# 2014
 Delta R.T. -0.023 min
 Lab File: BF141772.D
 Acq: 25 Feb 2025 19:03

Tgt Ion:240	Resp:	170357
Ion Ratio	Lower	Upper
240	100	
120	11.0	8.0 12.0
236	25.8	19.8 29.8

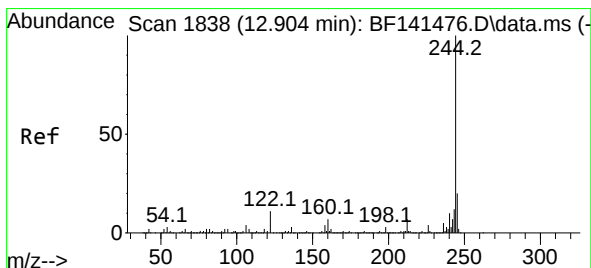
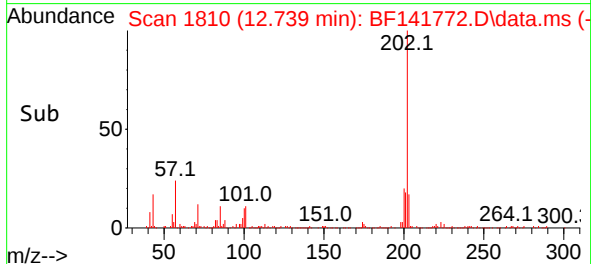
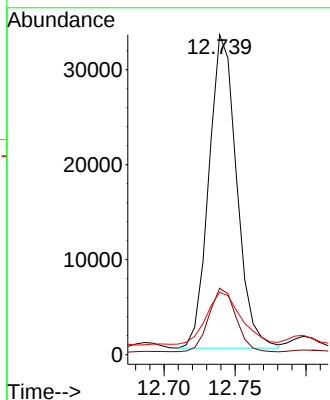
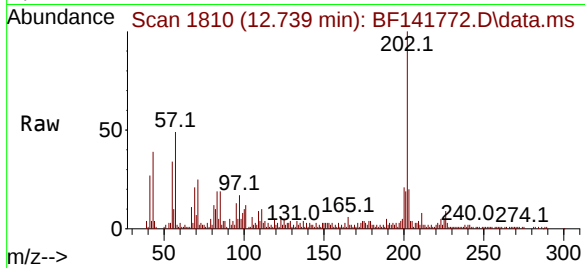




#78
 Pyrene
 Concen: 3.096 ng
 RT: 12.739 min Scan# 1810
 Delta R.T. -0.023 min
 Lab File: BF141772.D
 Acq: 25 Feb 2025 19:03

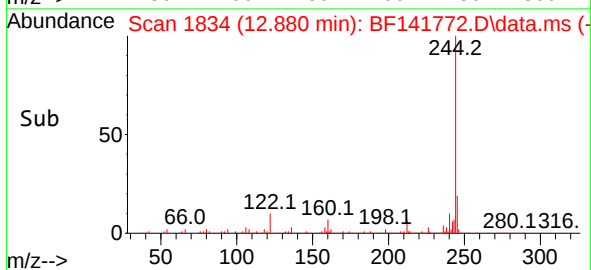
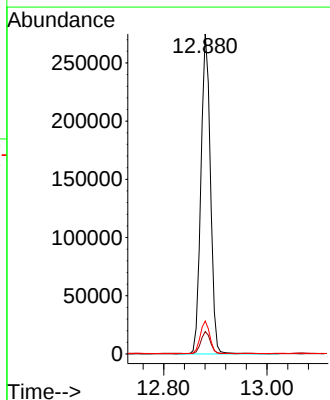
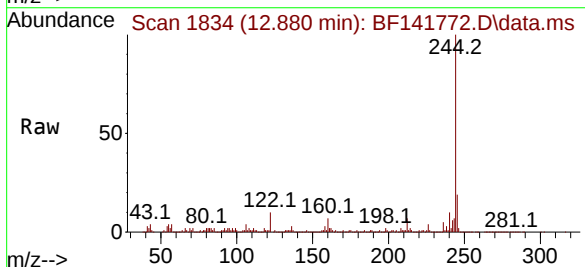
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-022425

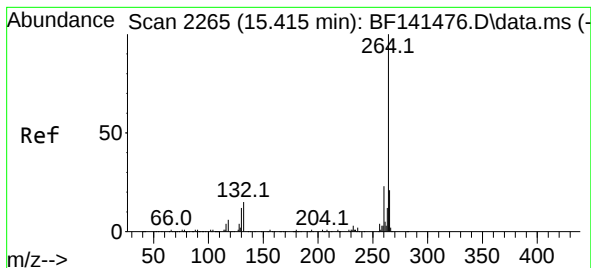
Tgt Ion:	202	Resp:	44897
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.0	25.4
203	19.5	14.3	21.5



#79
 Terphenyl-d14
 Concen: 34.895 ng
 RT: 12.880 min Scan# 1834
 Delta R.T. -0.023 min
 Lab File: BF141772.D
 Acq: 25 Feb 2025 19:03

Tgt Ion:	244	Resp:	352131
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.6	8.4
122	10.3	8.4	12.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF141772.D

Acq: 25 Feb 2025 19:03

Instrument :

BNA_F

ClientSampleId :

OK-01-022425

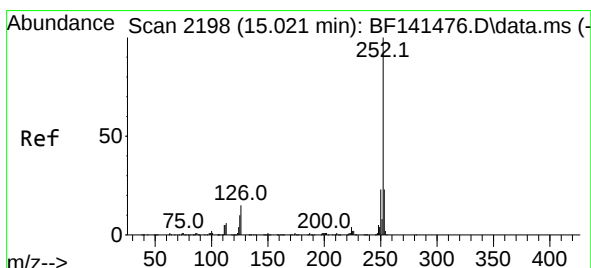
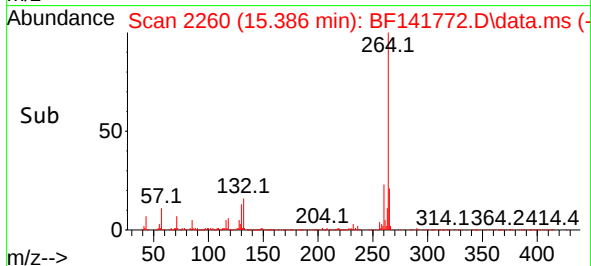
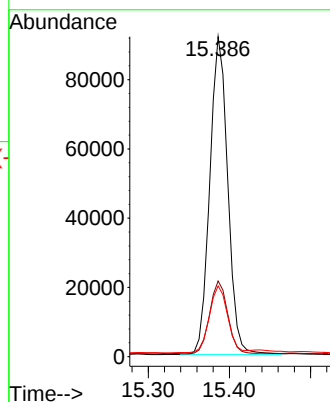
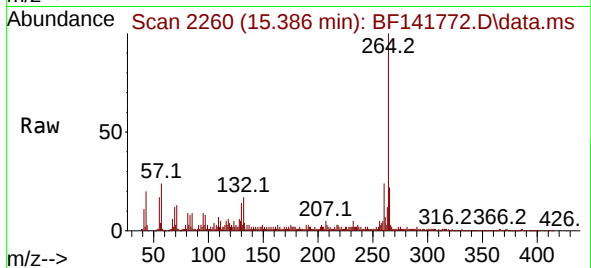
Tgt Ion:264 Resp: 141085

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 22.1 17.0 25.4



#89

Benzo(k)fluoranthene

Concen: 2.272 ng

RT: 14.968 min Scan# 2189

Delta R.T. -0.065 min

Lab File: BF141772.D

Acq: 25 Feb 2025 19:03

Tgt Ion:252 Resp: 18382

Ion Ratio Lower Upper

252 100

253 56.3 18.0 27.0#

125 40.7 7.4 11.0#

