

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
 Data File : BF142457.D
 Acq On : 19 May 2025 17:58
 Operator : RC/JU
 Sample : Q2062-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 02:21:41 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)

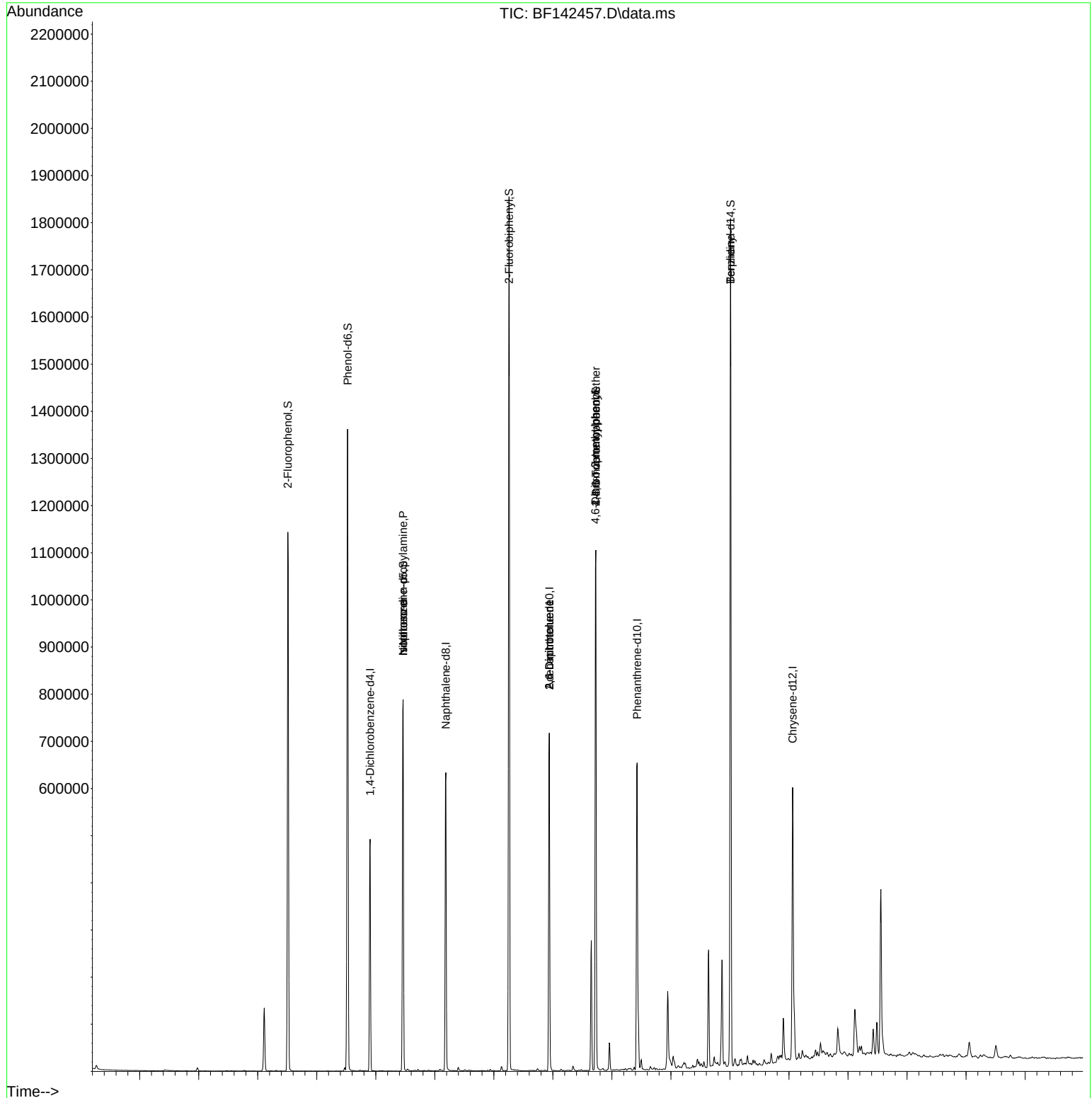
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	108970	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	409015	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	218127	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	354322	20.000	ng	0.00
76) Chrysene-d12	14.063	240	244752	20.000	ng	0.00
86) Perylene-d12	15.557	264	204991	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	438762	68.735	ng	0.00
7) Phenol-d6	6.522	99	626458	79.792	ng	0.00
23) Nitrobenzene-d5	7.463	82	334482	49.874	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	201866	95.854	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	808385	52.843	ng	0.00
79) Terphenyl-d14	13.010	244	865995	52.370	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.463	70	43783	9.015	ng	# 75
25) Isophorone	7.463	82	328000	25.827	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	27848	10.622	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	27848	8.281	ng	# 25
63) Azobenzene	10.651	77	65225	4.880	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	378	7.380	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	12522	3.118	ng	# 1
71) Phenanthrene	11.445	178	56420	3.038	ng	97
75) Fluoranthene	12.639	202	147636	7.952	ng	97
77) Benzidine	13.010	184	10693	2.404	ng	# 97
78) Pyrene	12.869	202	134884	6.192	ng	98
80) Butylbenzylphthalate	13.486	149	678	3.758	ng	# 50
81) Benzo(a)anthracene	14.051	228	55603	3.508	ng	97
83) Chrysene	14.086	228	52698	3.571	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	1567	4.410	ng	# 95
85) Di-n-octyl phthalate	14.645	149	512	7.868	ng	# 51
88) Benzo(b)fluoranthene	15.115	252	84391	6.797	ng	100
89) Benzo(k)fluoranthene	15.115	252	84391	7.428	ng	99
90) Benzo(a)pyrene	15.492	252	43888	3.945	ng	98
92) Benzo(g,h,i)perylene	17.509	276	25203	2.155	ng	95

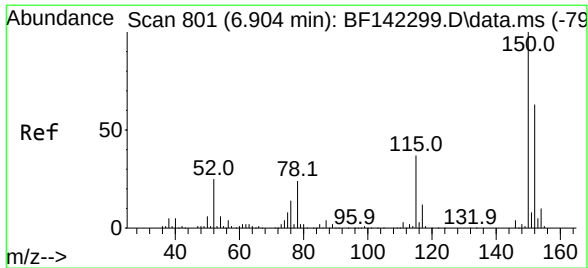
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
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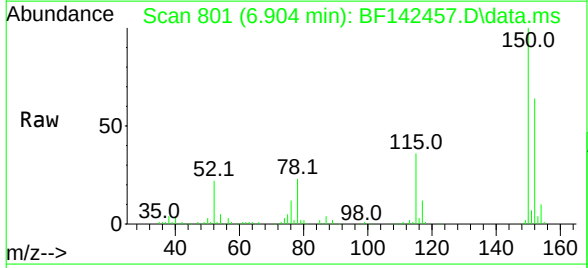
Quant Time: May 20 02:21:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



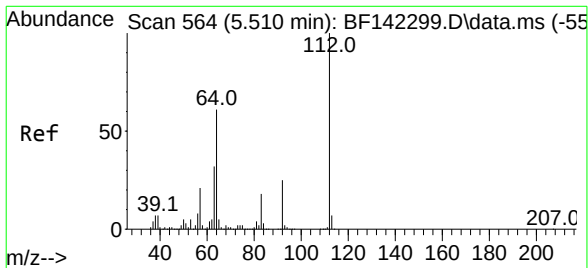
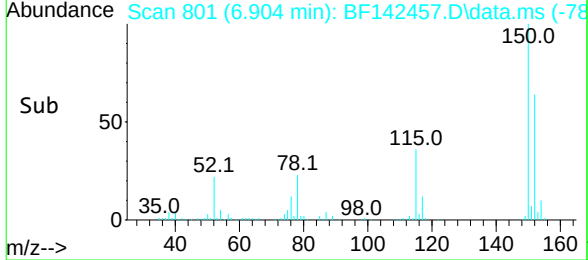
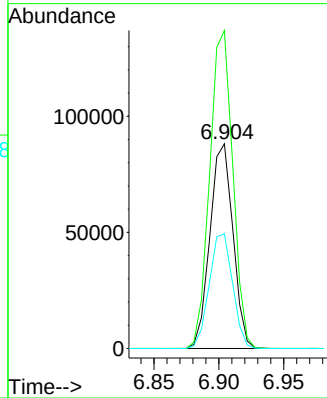


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

Instrument :
BNA_F
ClientSampleId :

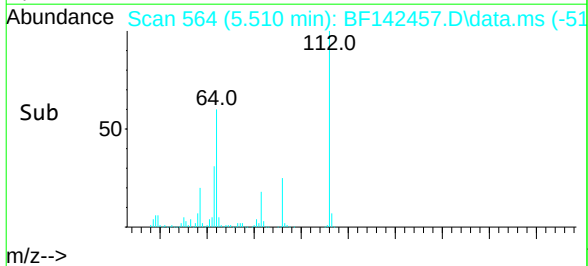
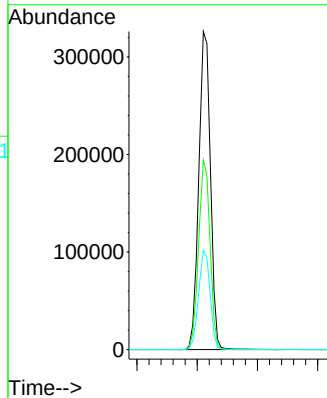
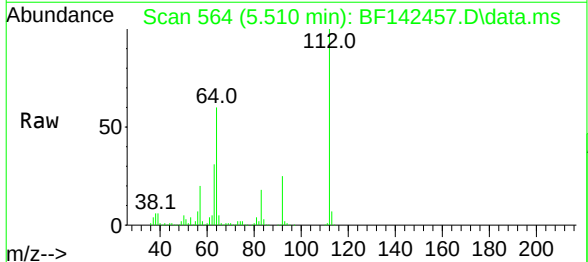


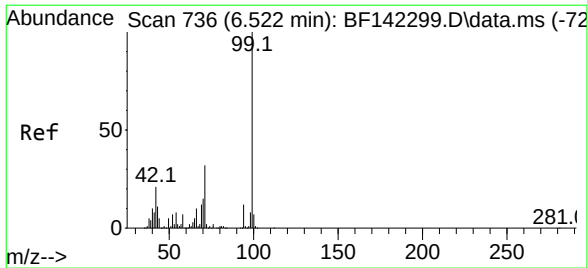
Tgt Ion:152 Resp: 108970
Ion Ratio Lower Upper
152 100
150 155.4 126.6 190.0
115 56.1 47.3 70.9



#5
2-Fluorophenol
Concen: 68.735 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

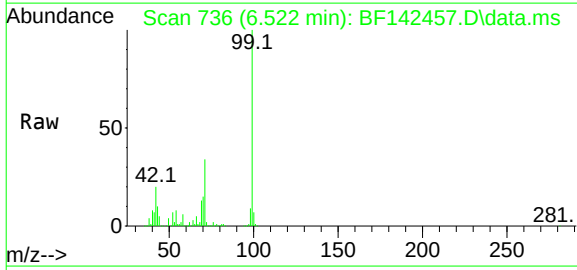
Tgt Ion:112 Resp: 438762
Ion Ratio Lower Upper
112 100
64 59.6 48.9 73.3
63 31.3 25.6 38.4



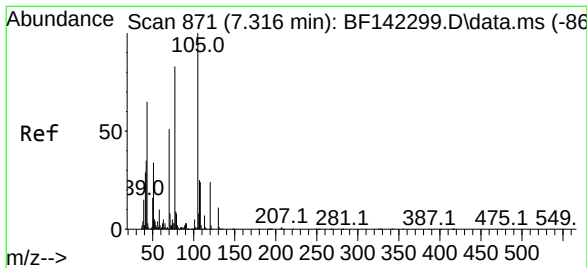
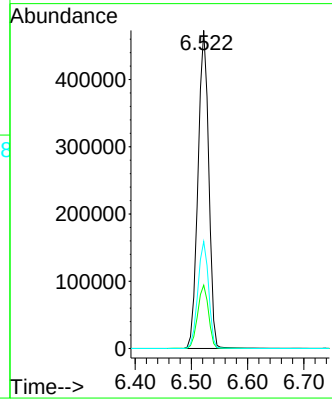
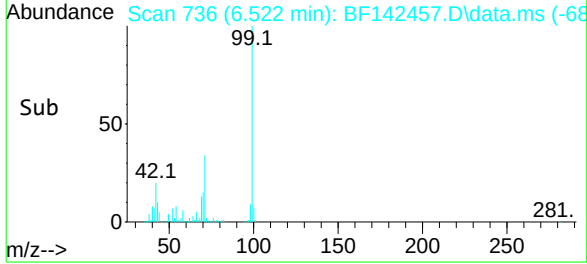


#7
Phenol-d6
Concen: 79.792 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

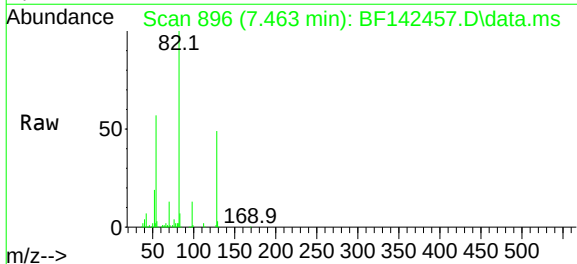
Instrument :
BNA_F
ClientSampleId :



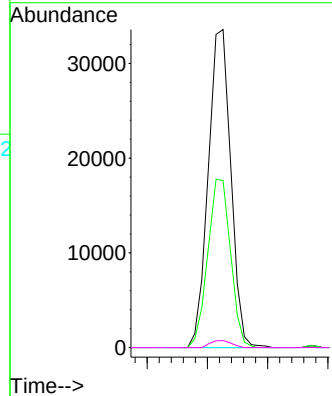
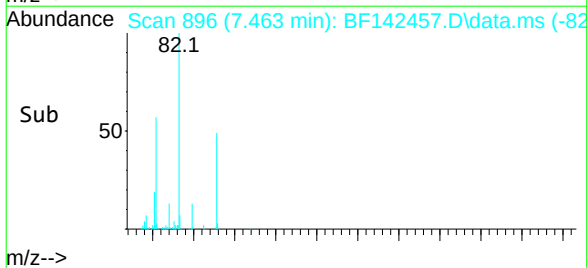
Tgt Ion: 99 Resp: 626458
Ion Ratio Lower Upper
99 100
42 19.9 17.0 25.4
71 33.6 25.8 38.8

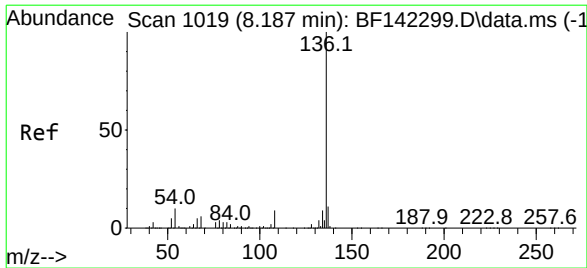


#19
n-Nitroso-di-n-propylamine
Concen: 9.015 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58



Tgt Ion: 70 Resp: 43783
Ion Ratio Lower Upper
70 100
42 52.5 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: 8.187 min Scan# 1019

Delta R.T. -0.000 min

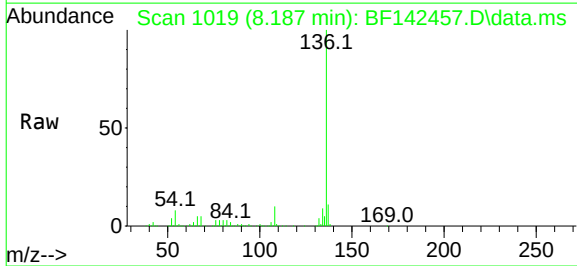
Lab File: BF142457.D

Acq: 19 May 2025 17:58

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 136 Resp: 409015

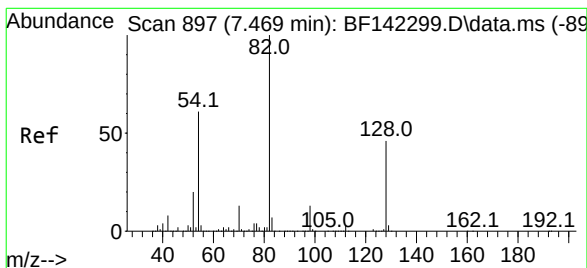
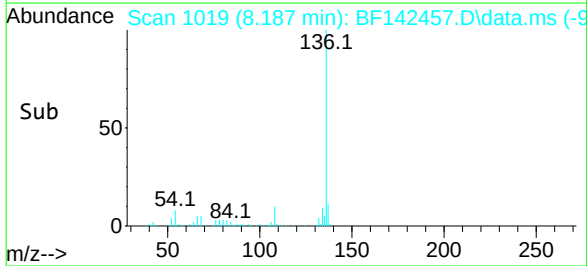
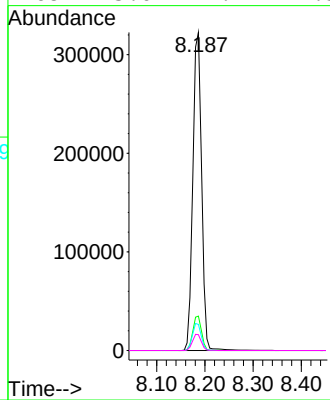
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.2 7.7 11.5

68 5.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 49.874 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

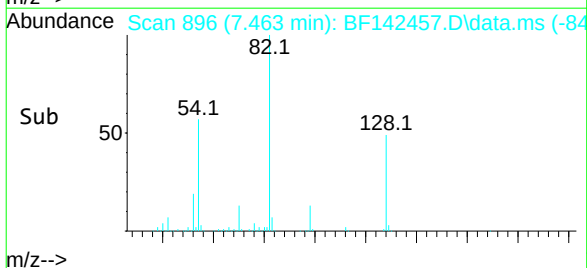
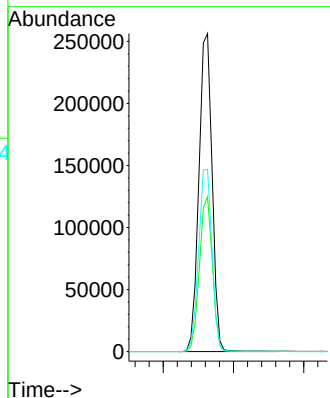
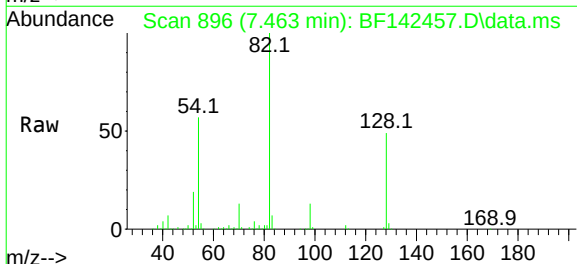
Tgt Ion: 82 Resp: 334482

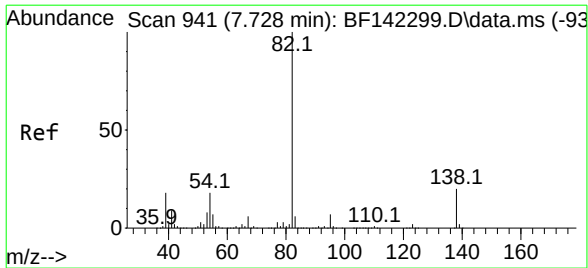
Ion Ratio Lower Upper

82 100

128 48.6 37.0 55.6

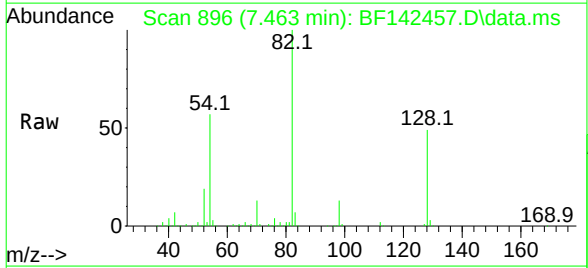
54 57.3 48.6 73.0



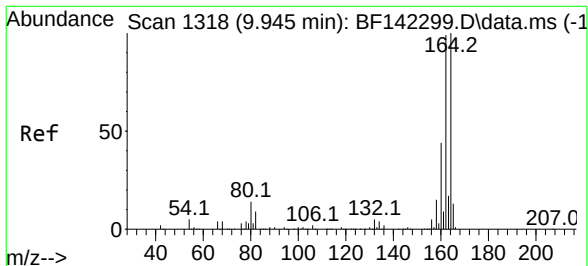
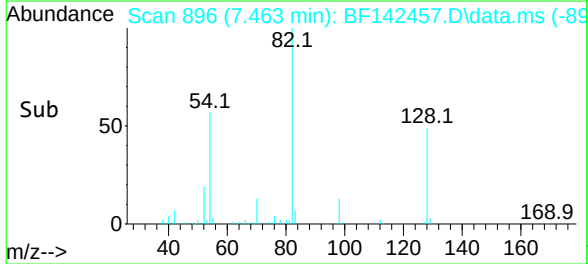
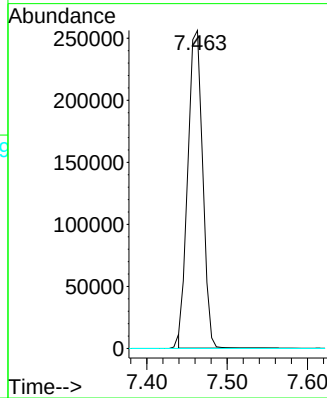


#25
Isophorone
Concen: 25.827 ng
RT: 7.463 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

Instrument :
BNA_F
ClientSampleId :

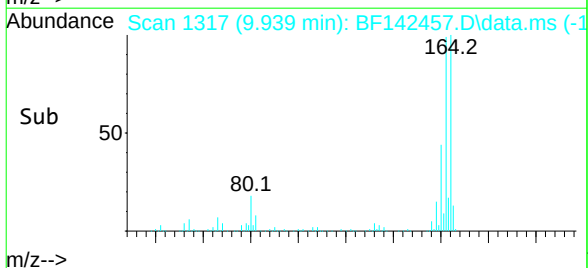
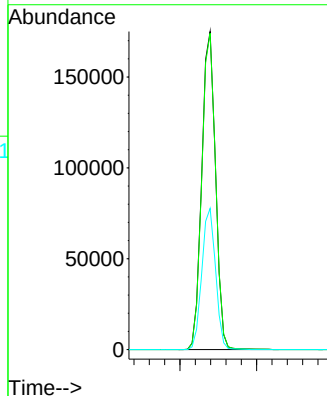
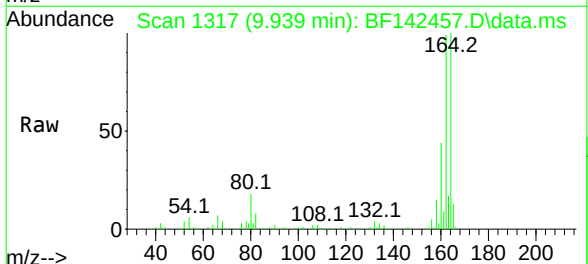


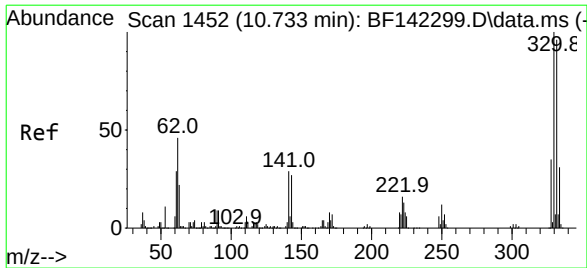
Tgt Ion: 82 Resp: 328000
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

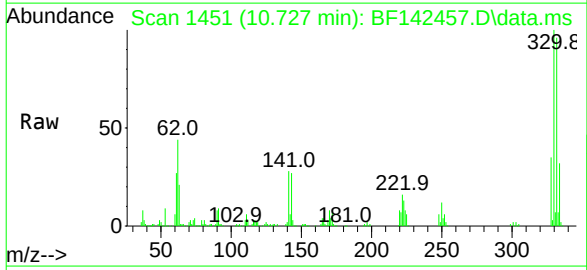
Tgt Ion: 164 Resp: 218127
Ion Ratio Lower Upper
164 100
162 99.5 79.2 118.8
160 44.4 35.3 52.9



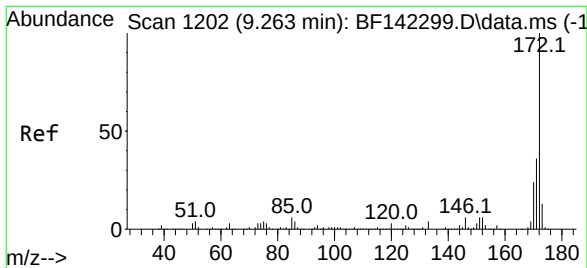
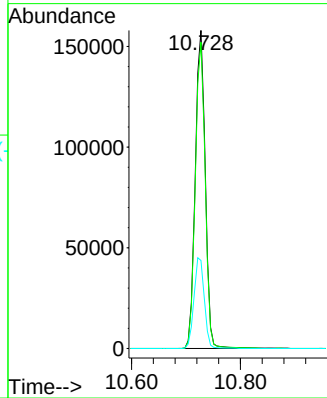
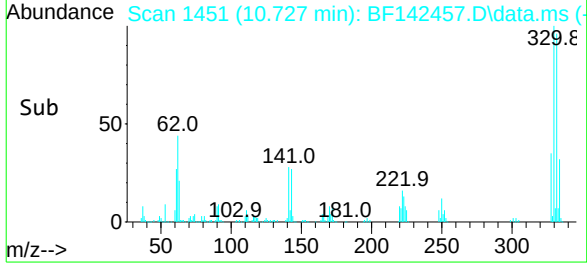


#42
2,4,6-Tribromophenol
Concen: 95.854 ng
RT: 10.727 min Scan# 141
Delta R.T. -0.006 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

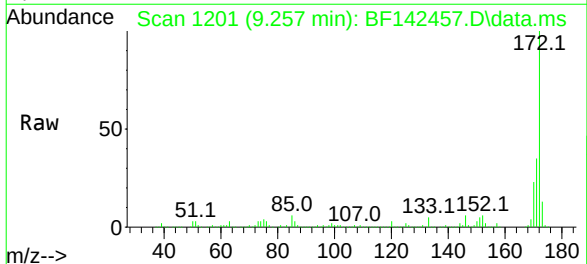
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BNA_F
ClientSampleId :



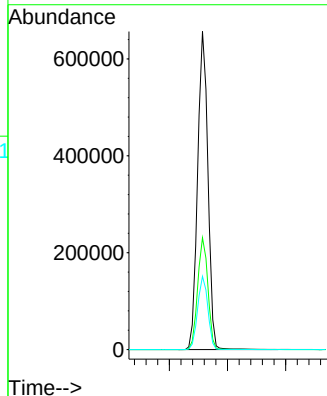
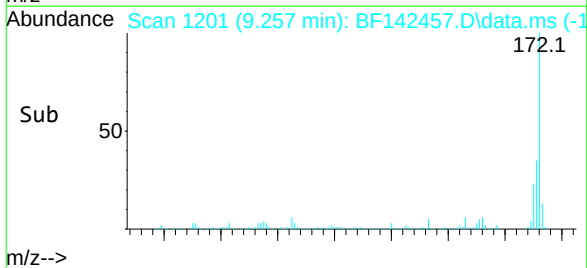
Tgt Ion: 330 Resp: 201866
Ion Ratio Lower Upper
330 100
332 95.5 76.8 115.2
141 29.5 24.9 37.3

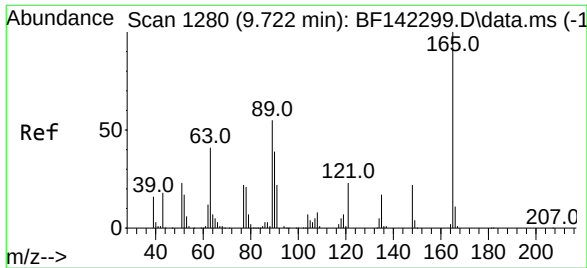


#45
2-Fluorobiphenyl
Concen: 52.843 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58



Tgt Ion: 172 Resp: 808385
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.0 19.0 28.4

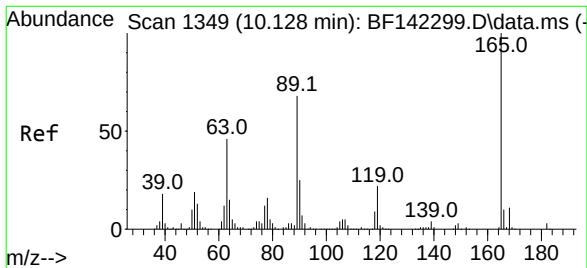
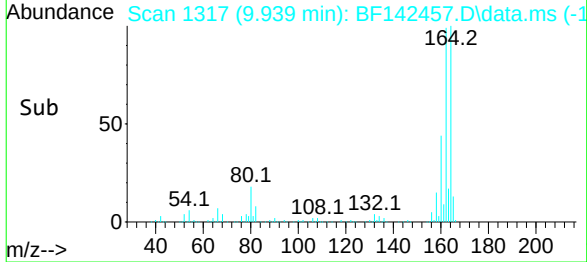
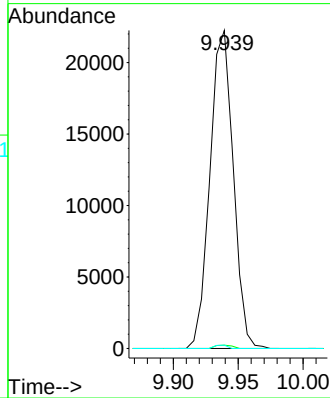
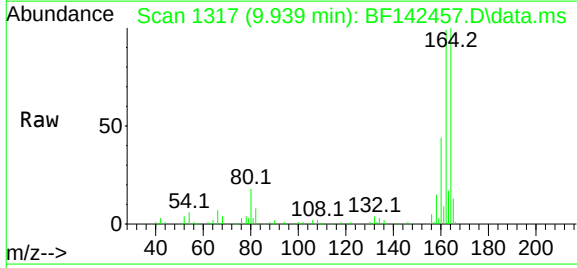




#51
2,6-Dinitrotoluene
Concen: 10.622 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

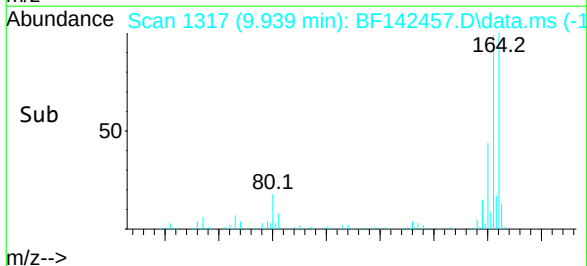
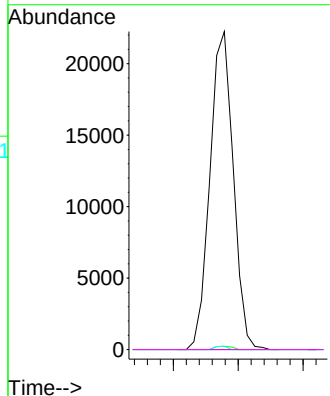
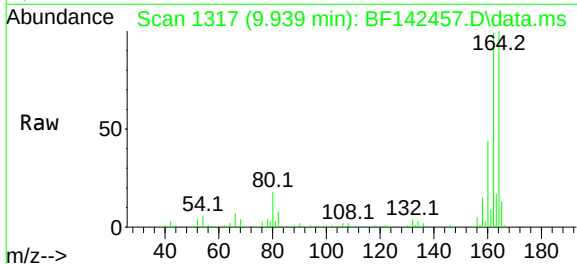
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ClientSampleId :

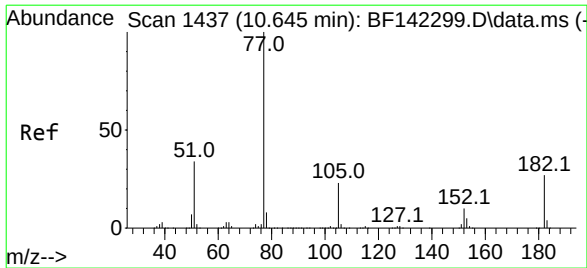
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	49.5	74.3#
89	1.0	44.6	66.8#



#57
2,4-Dinitrotoluene
Concen: 8.281 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

Tgt 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: 4.880 ng

RT: 10.651 min Scan# 14

Delta R.T. 0.006 min

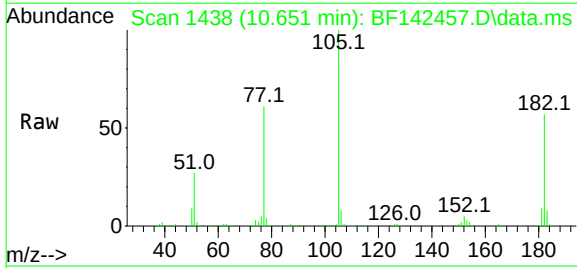
Lab File: BF142457.D

Acq: 19 May 2025 17:58

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 77 Resp: 65225

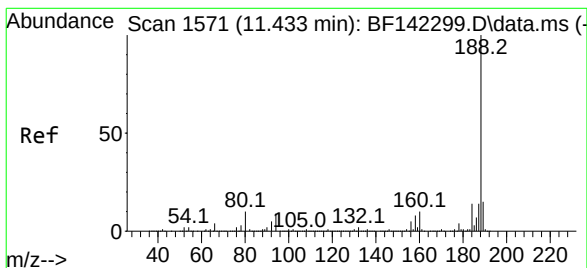
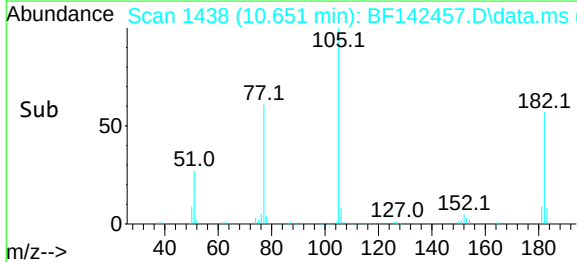
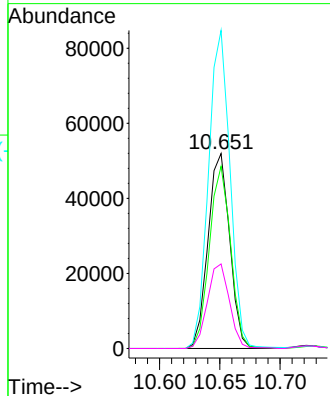
Ion Ratio Lower Upper

77 100

182 93.4 6.9 46.9#

105 163.1 2.7 42.7#

51 43.4 14.7 54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1570

Delta R.T. -0.006 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

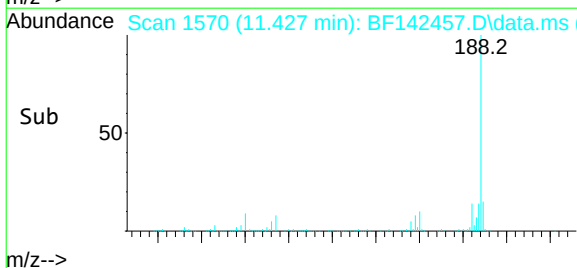
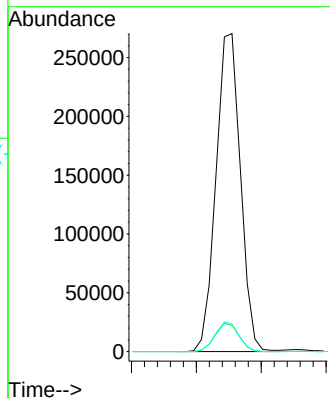
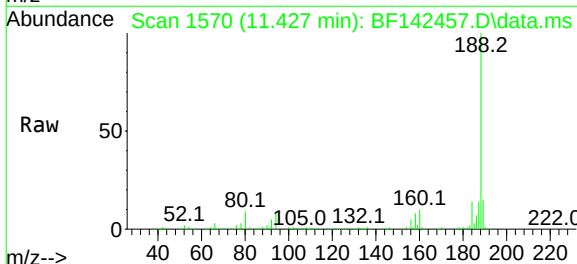
Tgt Ion: 188 Resp: 354322

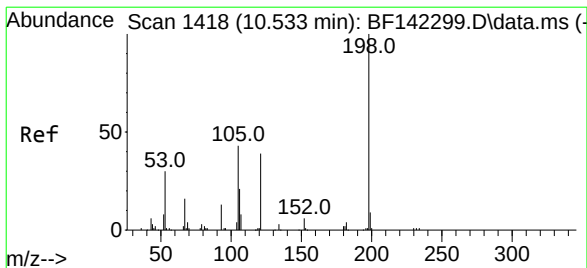
Ion Ratio Lower Upper

188 100

94 8.3 7.5 11.3

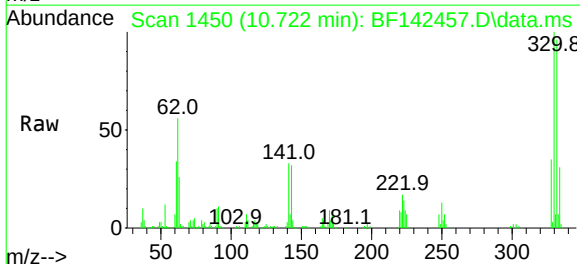
80 8.6 7.9 11.9



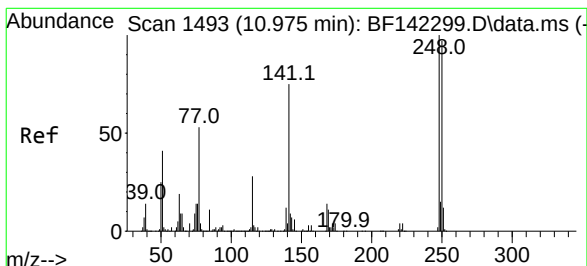
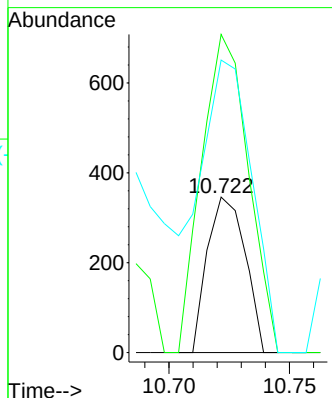
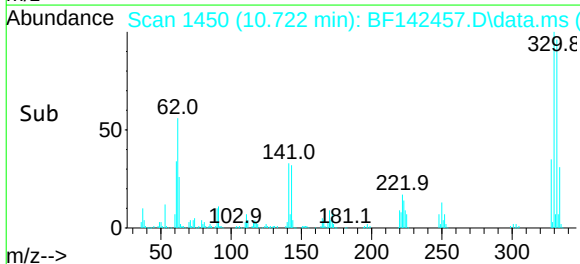


#65
4,6-Dinitro-2-methylphenol
Concen: 7.380 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.189 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

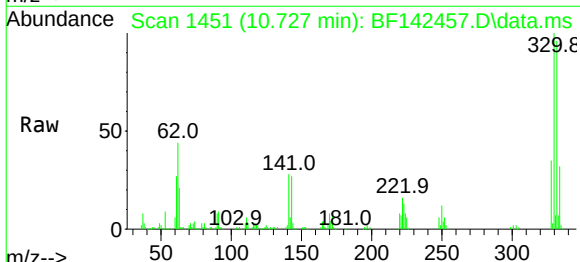
Instrument :
BNA_F
ClientSampleId :



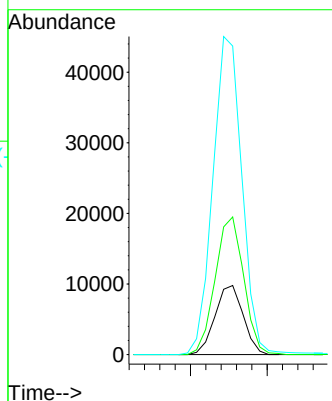
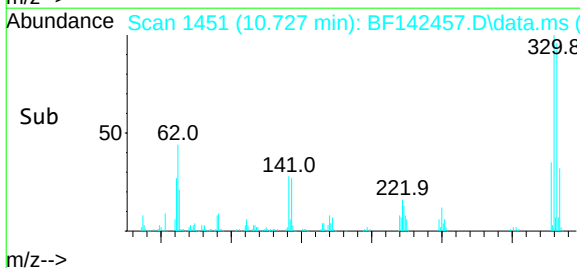
Tgt Ion:198 Resp: 378
Ion Ratio Lower Upper
198 100
51 204.6 32.9 72.9#
105 188.2 23.7 63.7#

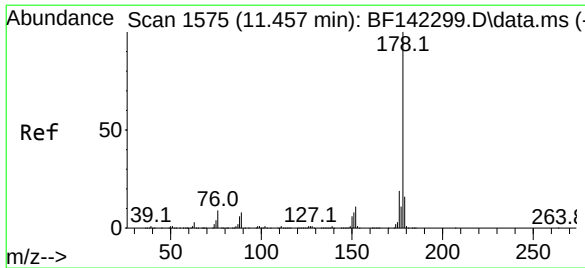


#67
4-Bromophenyl-phenylether
Concen: 3.118 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58



Tgt Ion:248 Resp: 12522
Ion Ratio Lower Upper
248 100
250 199.2 77.9 116.9#
141 446.6 59.8 89.8#

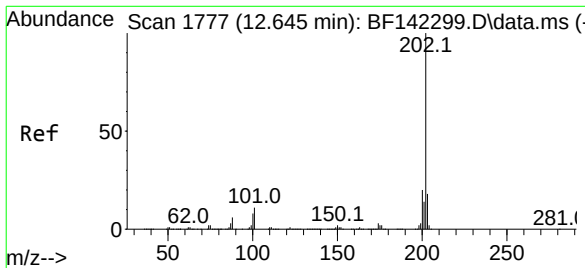
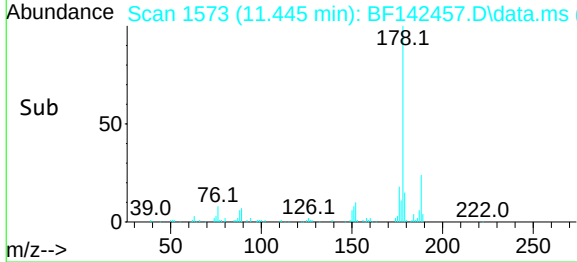
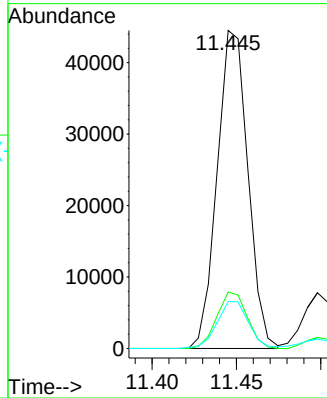
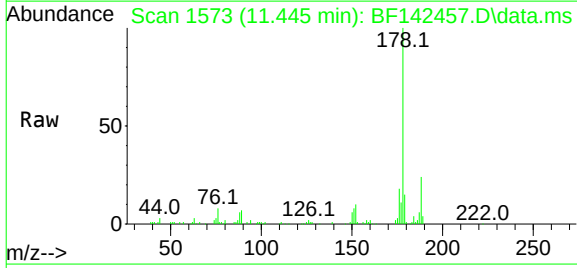




#71
Phenanthrene
Concen: 3.038 ng
RT: 11.445 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

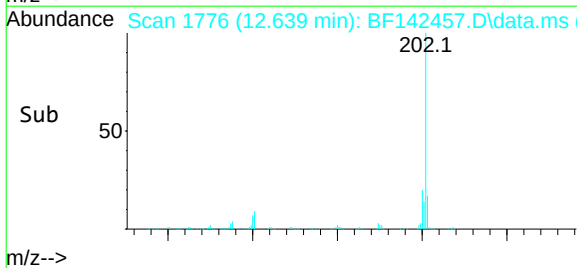
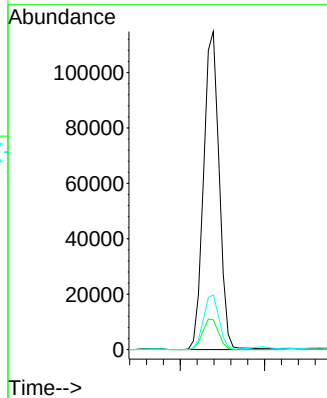
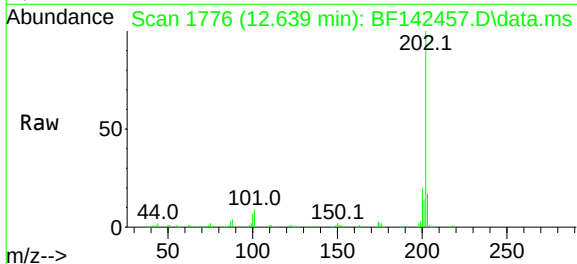
Instrument :
BNA_F
ClientSampleId :

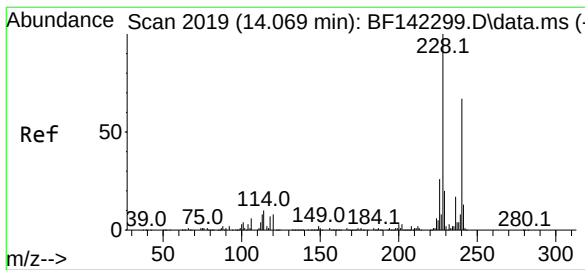
Tgt Ion:	178	Resp:	56420
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.5	23.3
179	14.8	12.6	18.8



#75
Fluoranthene
Concen: 7.952 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

Tgt Ion:	202	Resp:	147636
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	31.4
203	17.2	0.0	37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2019

Delta R.T. -0.006 min

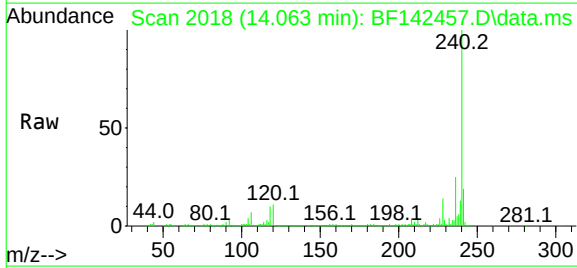
Lab File: BF142457.D

Acq: 19 May 2025 17:58

Instrument :

BNA_F

ClientSampleId :



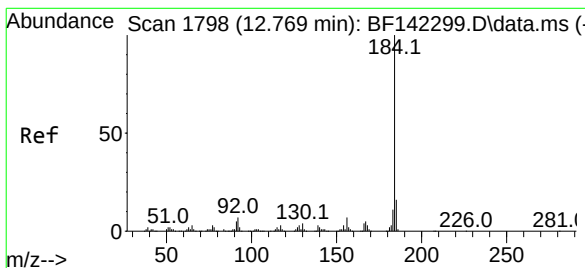
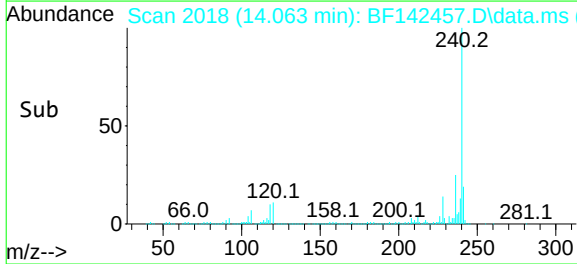
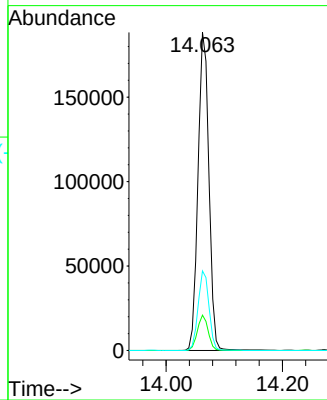
Tgt Ion:240 Resp: 244752

Ion Ratio Lower Upper

240 100

120 11.1 9.7 14.5

236 25.0 20.0 30.0



#77

Benzidine

Concen: 2.404 ng

RT: 13.010 min Scan# 1839

Delta R.T. 0.241 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

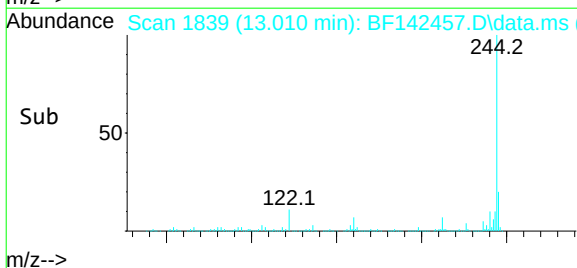
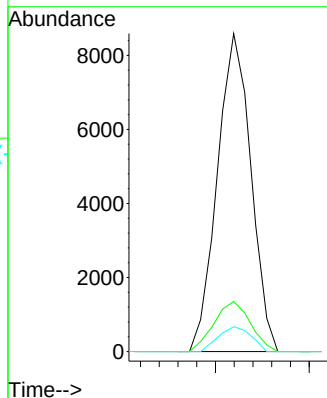
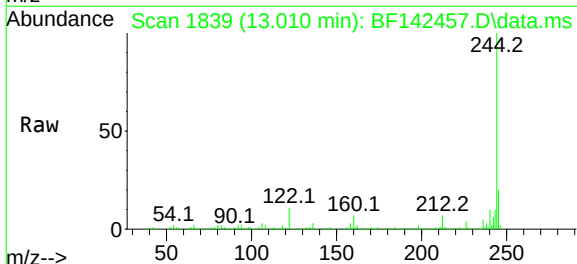
Tgt Ion:184 Resp: 10693

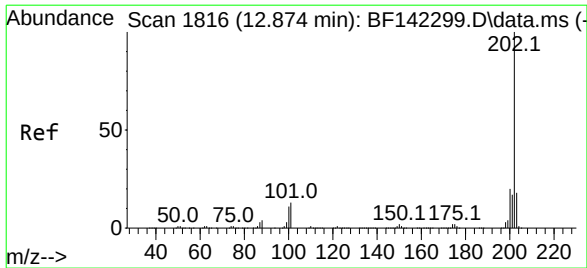
Ion Ratio Lower Upper

184 100

185 15.7 12.6 18.8

183 7.8 8.6 12.8#





#78

Pyrene

Concen: 6.192 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

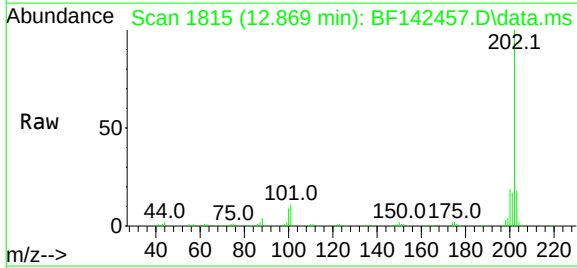
Lab File: BF142457.D

Acq: 19 May 2025 17:58

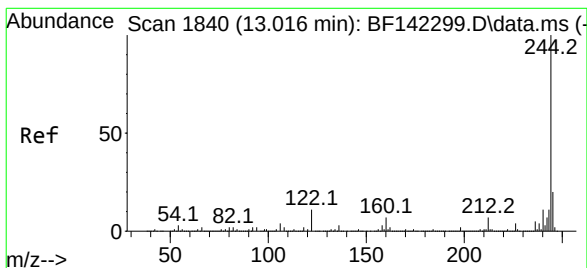
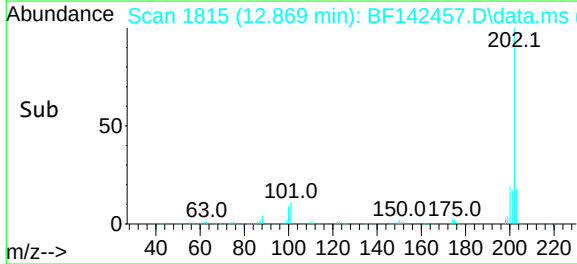
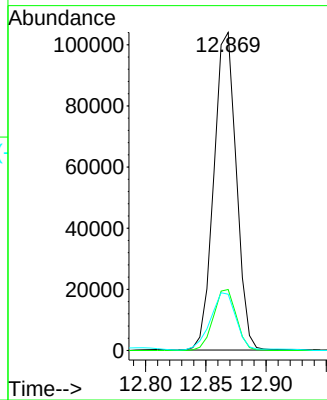
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	202	Resp:	134884
Ion Ratio	Lower	Upper	
202	100		
200	19.2	16.2	24.4
203	17.7	14.3	21.5



#79

Terphenyl-d14

Concen: 52.370 ng

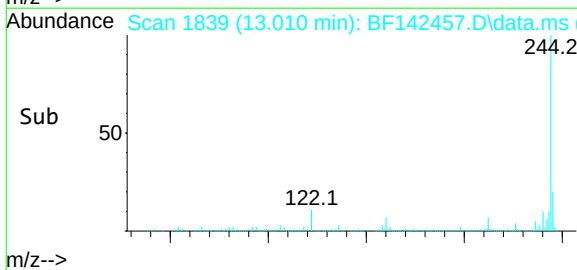
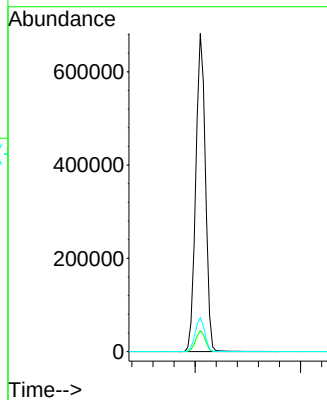
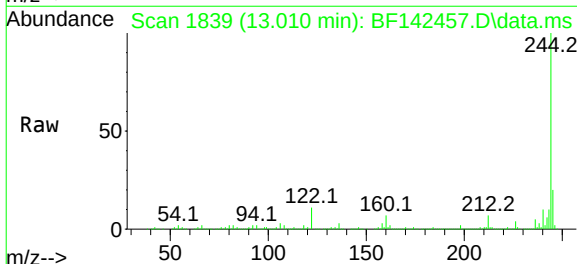
RT: 13.010 min Scan# 1839

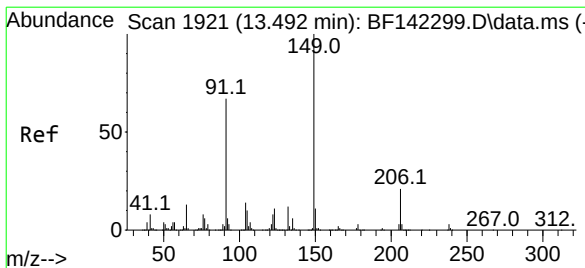
Delta R.T. -0.006 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

Tgt Ion:	244	Resp:	865995
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.2
122	10.7	9.0	13.4





#80

Butylbenzylphthalate

Concen: 3.758 ng

RT: 13.486 min Scan# 19

Delta R.T. -0.006 min

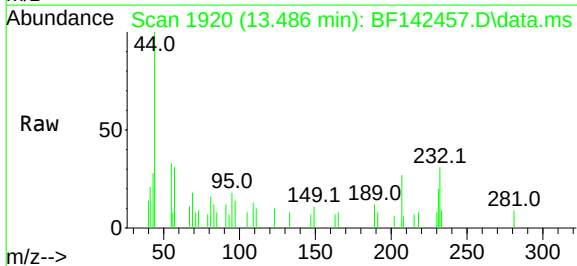
Lab File: BF142457.D

Acq: 19 May 2025 17:58

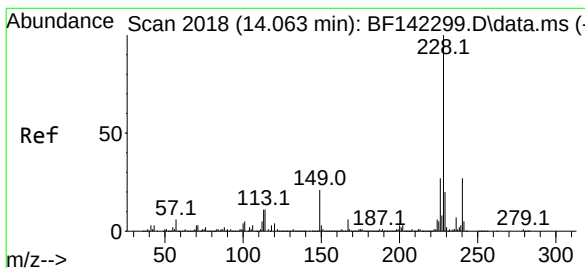
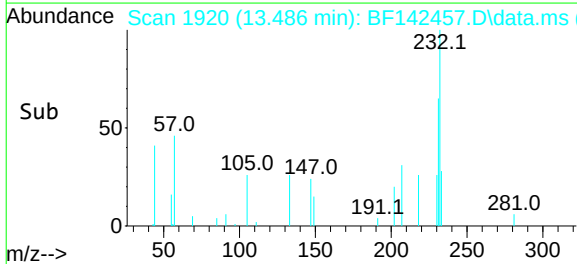
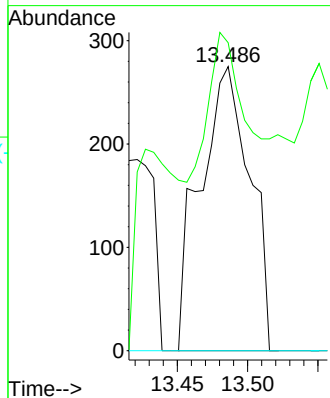
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	149	Resp:	678
Ion Ratio	Lower	Upper	
149	100		
91	108.4	53.8	80.6#
206	0.0	16.6	24.8#



#81

Benzo(a)anthracene

Concen: 3.508 ng

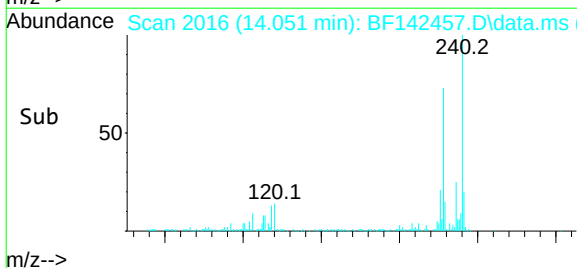
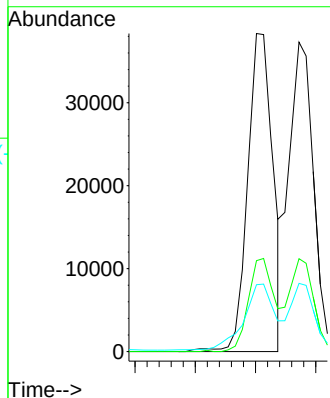
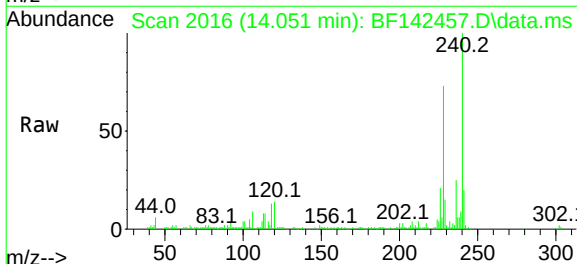
RT: 14.051 min Scan# 2016

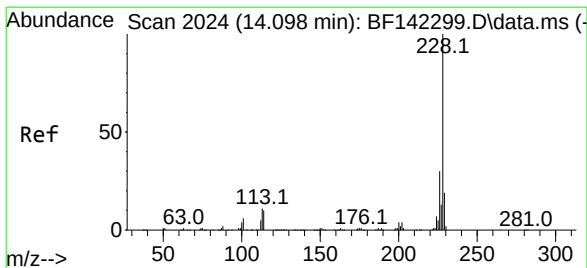
Delta R.T. -0.012 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

Tgt Ion:	228	Resp:	55603
Ion Ratio	Lower	Upper	
228	100		
226	28.6	21.5	32.3
229	21.0	15.9	23.9





#83

Chrysene

Concen: 3.571 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.012 min

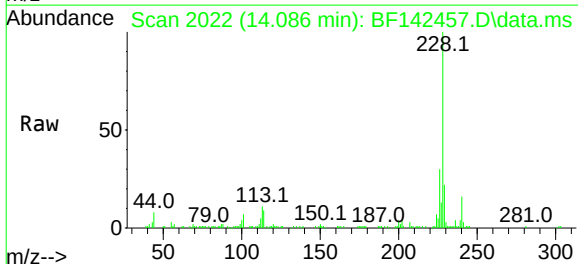
Lab File: BF142457.D

Acq: 19 May 2025 17:58

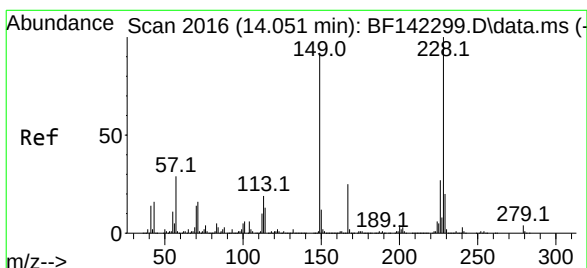
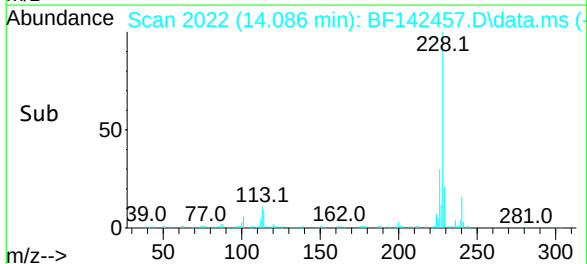
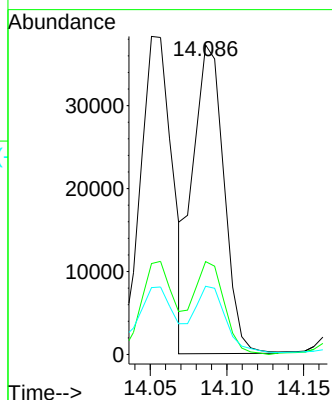
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	228	Resp:	52698
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.9	35.9
229	22.0	15.4	23.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.410 ng

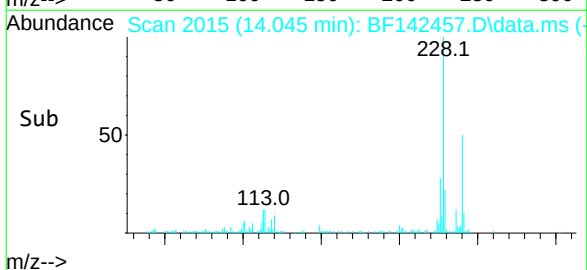
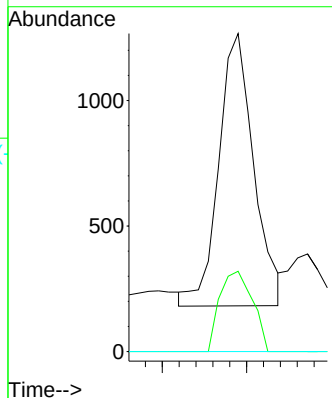
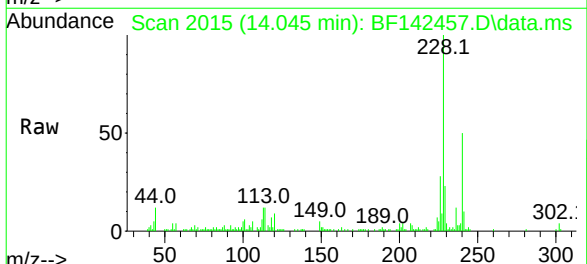
RT: 14.045 min Scan# 2015

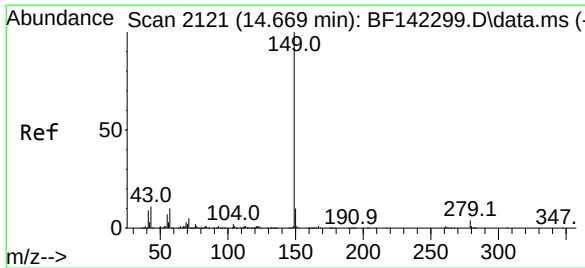
Delta R.T. -0.006 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

Tgt Ion:	149	Resp:	1567
Ion Ratio	Lower	Upper	
149	100		
167	25.3	22.0	33.0
279	0.0	3.0	4.6#





#85

Di-n-octyl phthalate

Concen: 7.868 ng

RT: 14.645 min Scan# 2117

Delta R.T. -0.024 min

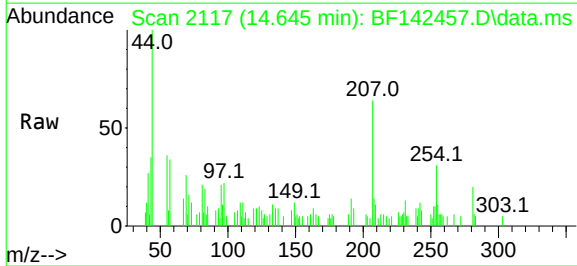
Lab File: BF142457.D

Acq: 19 May 2025 17:58

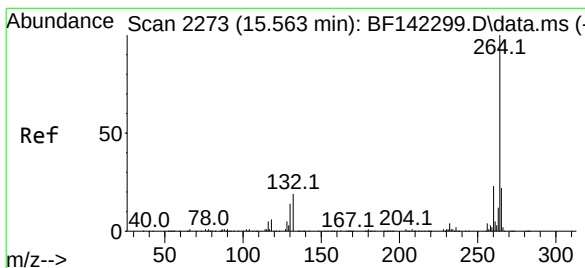
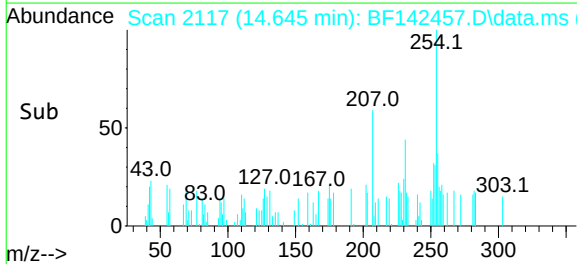
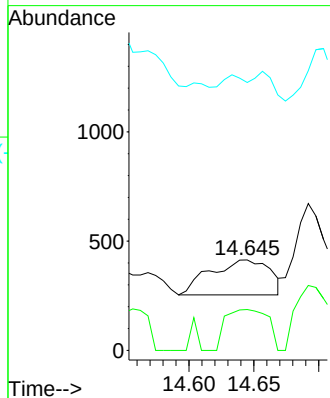
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	149	Resp:	512
Ion Ratio	Lower	Upper	
149	100		
167	82.8	1.1	1.7#
43	0.0	9.2	13.8#



#86

Perylene-d12

Concen: 20.000 ng

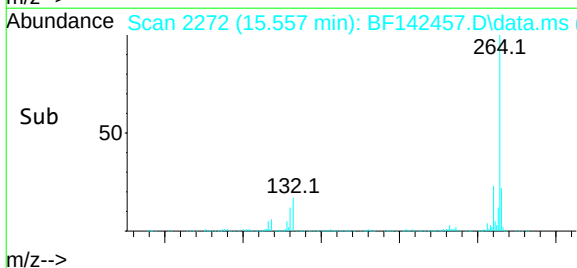
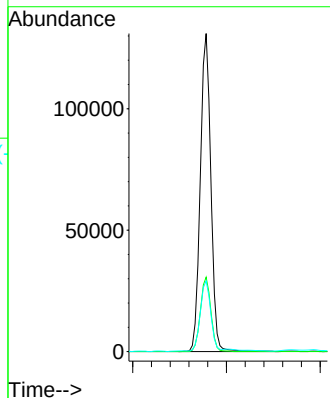
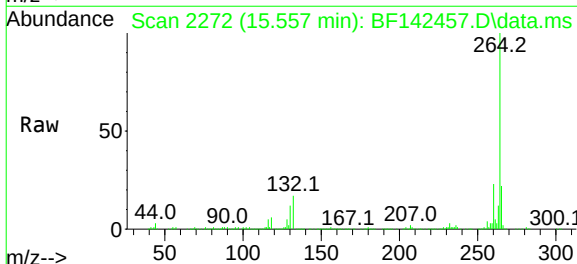
RT: 15.557 min Scan# 2272

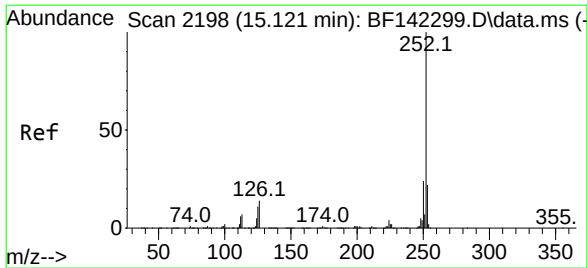
Delta R.T. -0.006 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

Tgt Ion:	264	Resp:	204991
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.6	27.8
265	22.2	17.5	26.3





#88

Benzo(b)fluoranthene

Concen: 6.797 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.006 min

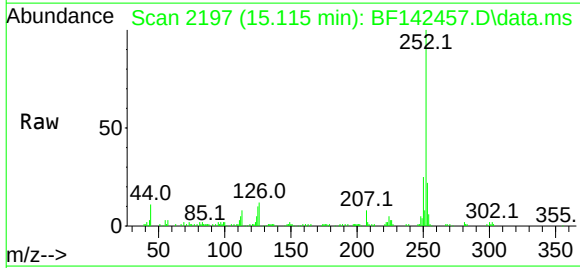
Lab File: BF142457.D

Acq: 19 May 2025 17:58

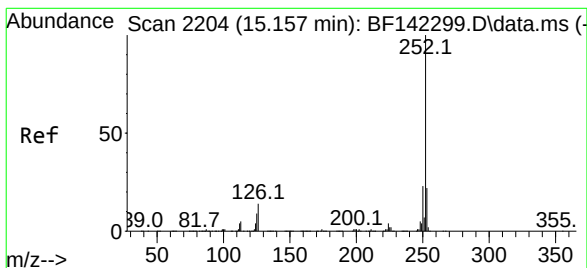
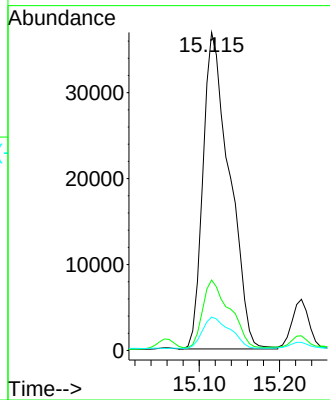
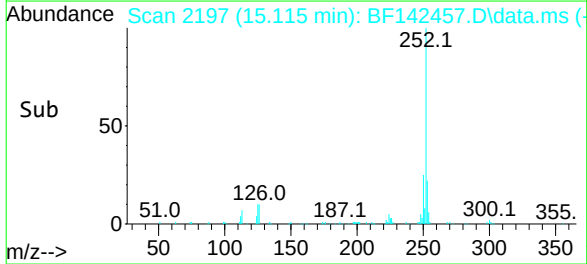
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	252	Resp:	84391
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.7	26.5
125	10.5	8.7	13.1



#89

Benzo(k)fluoranthene

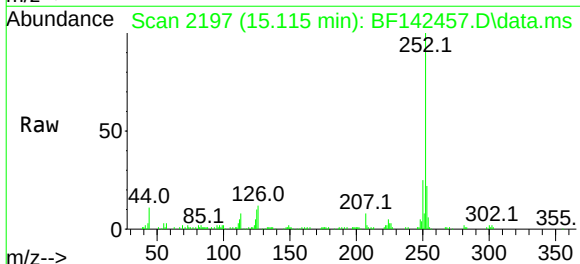
Concen: 7.428 ng

RT: 15.115 min Scan# 2197

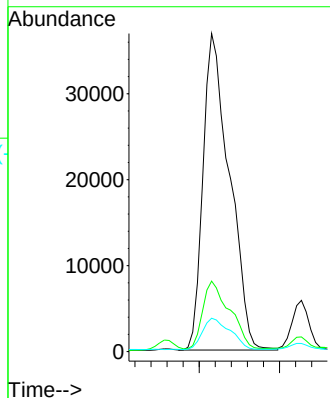
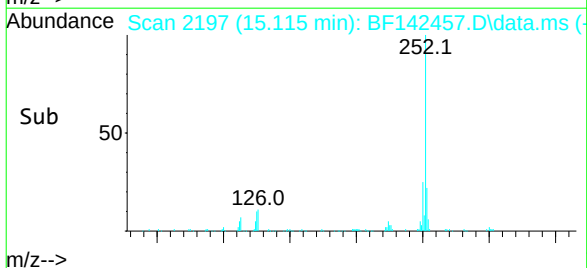
Delta R.T. -0.041 min

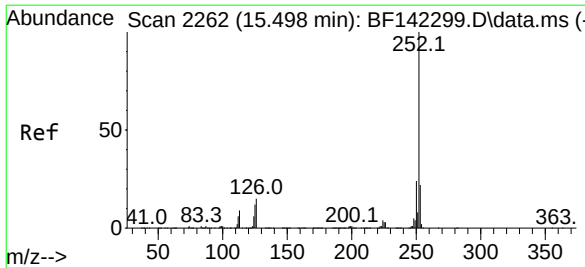
Lab File: BF142457.D

Acq: 19 May 2025 17:58



Tgt Ion:	252	Resp:	84391
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.6	26.4
125	10.5	8.1	12.1





#90

Benzo(a)pyrene

Concen: 3.945 ng

RT: 15.492 min Scan# 2261

Delta R.T. -0.006 min

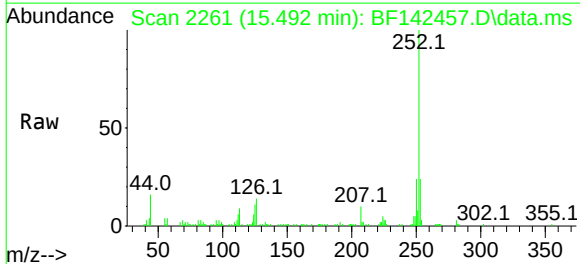
Lab File: BF142457.D

Acq: 19 May 2025 17:58

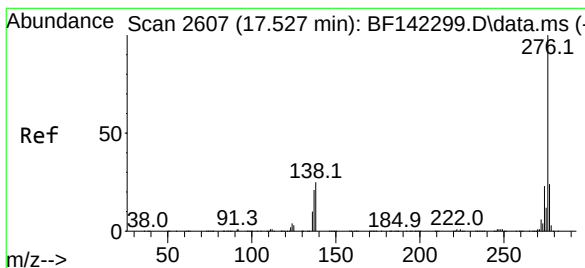
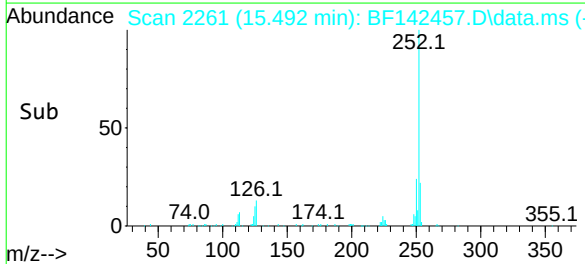
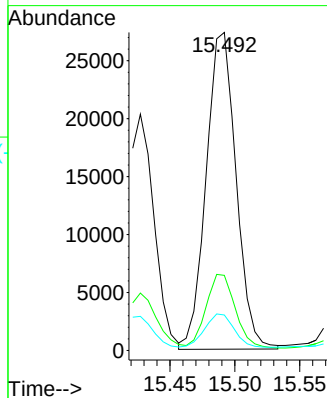
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	252	Resp:	43888
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.6
125	11.2	9.4	14.0



#92

Benzo(g,h,i)perylene

Concen: 2.155 ng

RT: 17.509 min Scan# 2604

Delta R.T. -0.018 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

Tgt Ion:	276	Resp:	25203
Ion Ratio	Lower	Upper	
276	100		
277	21.7	19.0	28.6
138	21.7	19.8	29.6

