

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
 Data File : BF142456.D
 Acq On : 19 May 2025 17:29
 Operator : RC/JU
 Sample : Q2062-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 02:21:22 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)

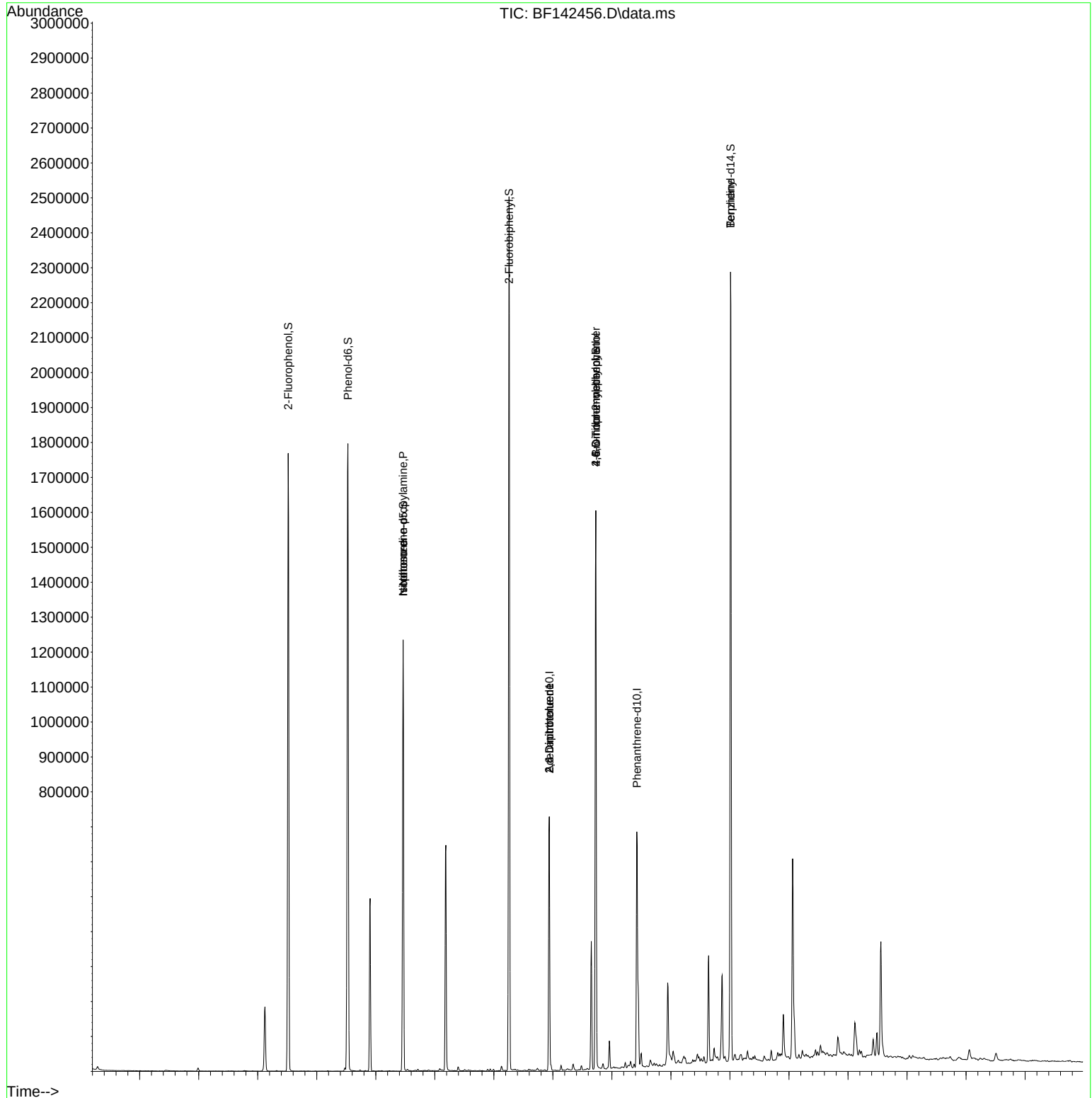
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	108366	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	418135	20.000	ng	# 0.00
39) Acenaphthene-d10	9.939	164	220349	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	352462	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	241598	20.000	ng	0.00
86) Perylene-d12	15.557	264	193768	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	694879	109.463	ng	0.00
7) Phenol-d6	6.528	99	916609	117.399	ng	0.00
23) Nitrobenzene-d5	7.463	82	524214	76.459	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	289768	136.206	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1106314	71.589	ng	0.00
79) Terphenyl-d14	13.010	244	1148065	70.334	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	71449	14.794	ng	# 75
25) Isophorone	7.463	82	516838	39.809	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	28495	10.759	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	28495	8.388	ng	# 24
63) Azobenzene	10.651	77	86102	6.377	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.728	198	494	7.441	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	17961	4.496	ng	# 1
71) Phenanthrene	11.445	178	112296	6.078	ng	98
75) Fluoranthene	12.639	202	174883	9.469	ng	98
77) Benzidine	13.010	184	14519	3.307	ng	# 94
78) Pyrene	12.869	202	148547	6.908	ng	100
80) Butylbenzylphthalate	13.480	149	383	3.716	ng	# 58
81) Benzo(a)anthracene	14.057	228	72044	4.605	ng	98
83) Chrysene	14.086	228	52177	3.582	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	2136	4.475	ng	# 96
85) Di-n-octyl phthalate	14.651	149	329	7.858	ng	# 1
88) Benzo(b)fluoranthene	15.116	252	82245	7.008	ng	96
89) Benzo(k)fluoranthene	15.116	252	82245	7.658	ng	96
90) Benzo(a)pyrene	15.492	252	40852	3.885	ng	100

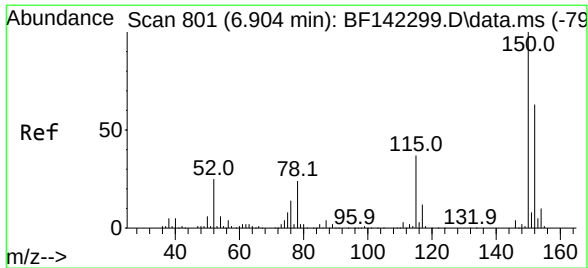
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

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BNA_F
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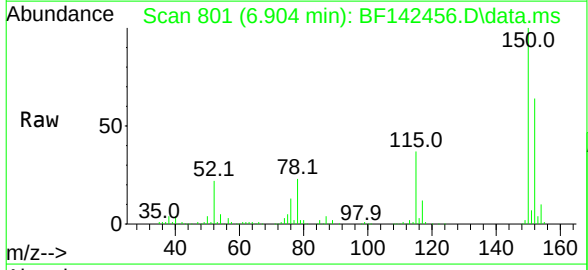
Quant Time: May 20 02:21:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



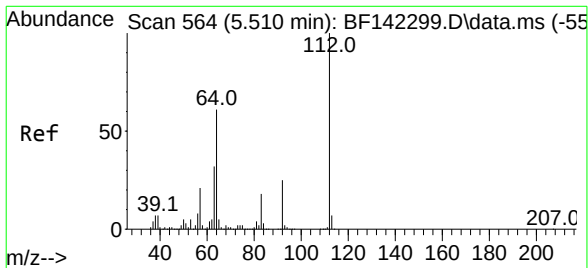
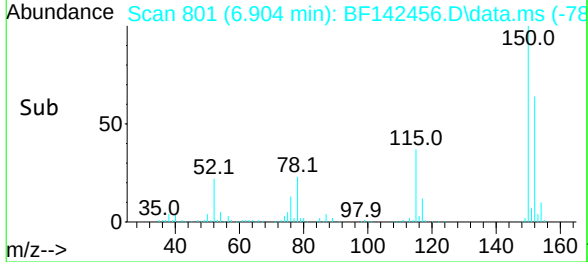
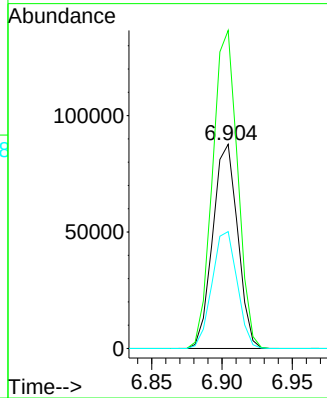


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29

Instrument :
BNA_F
ClientSampleId :

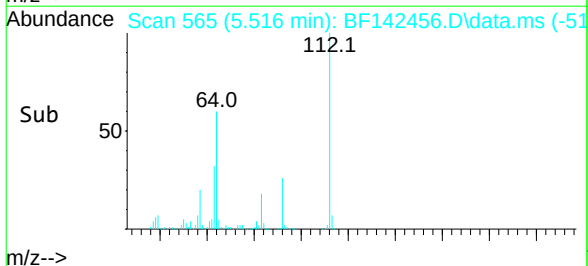
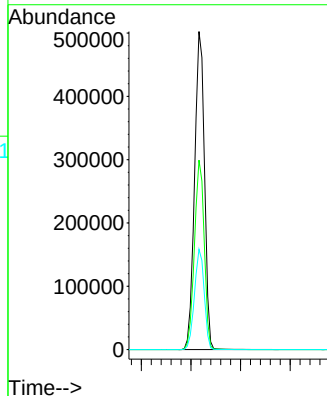
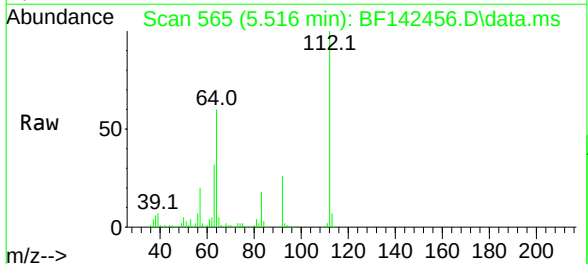


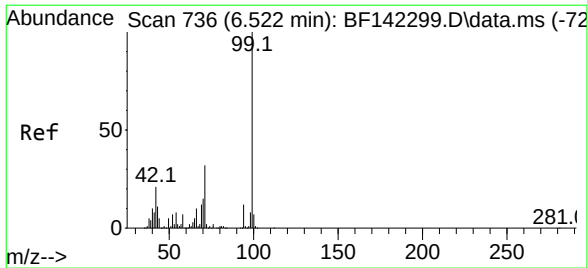
Tgt Ion:152 Resp: 108366
Ion Ratio Lower Upper
152 100
150 155.8 126.6 190.0
115 57.3 47.3 70.9



#5
2-Fluorophenol
Concen: 109.463 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29

Tgt Ion:112 Resp: 694879
Ion Ratio Lower Upper
112 100
64 59.6 48.9 73.3
63 31.5 25.6 38.4

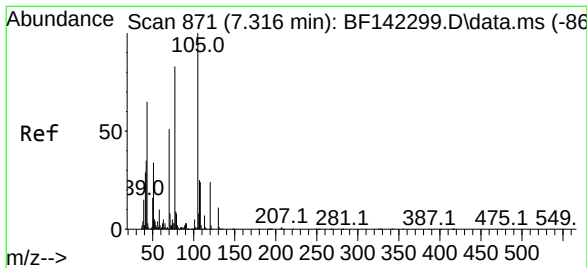
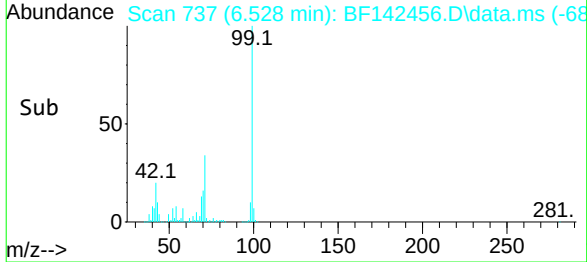
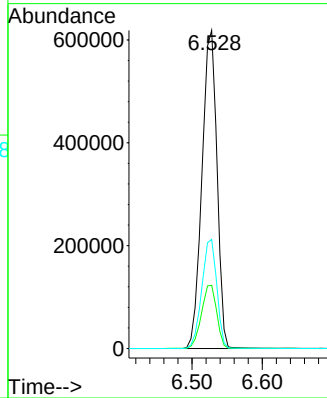
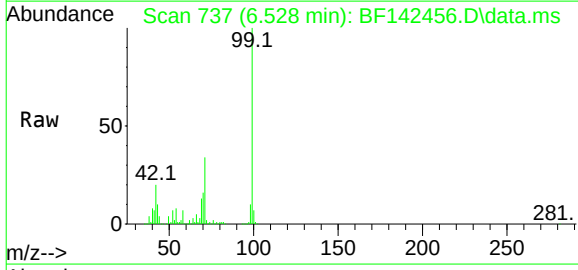




#7
Phenol-d6
Concen: 117.399 ng
RT: 6.528 min Scan# 736
Delta R.T. 0.006 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29

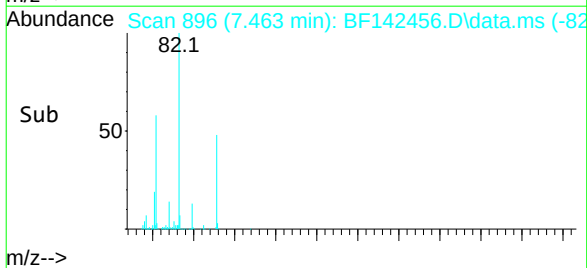
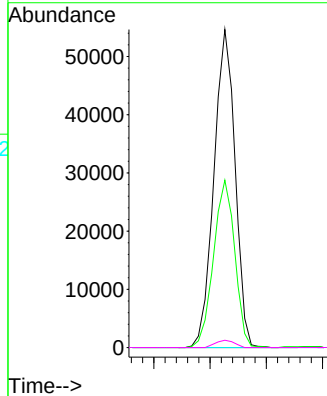
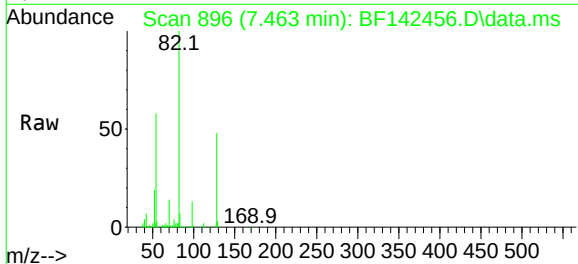
Instrument :
BNA_F
ClientSampleId :

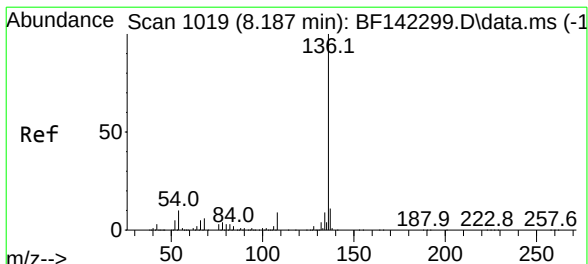
Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.9	17.0	25.4
71	34.3	25.8	38.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.794 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29

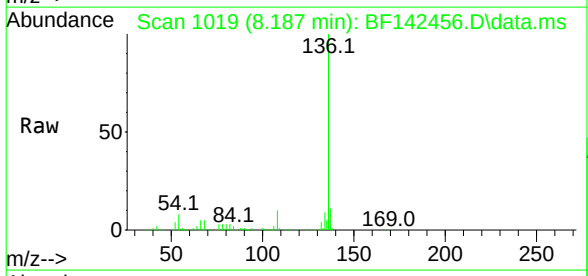
Tgt Ion	Ratio	Lower	Upper
70	100		
42	52.6	54.8	82.2#
101	0.0	7.7	11.5#
130	2.3	17.4	26.2#



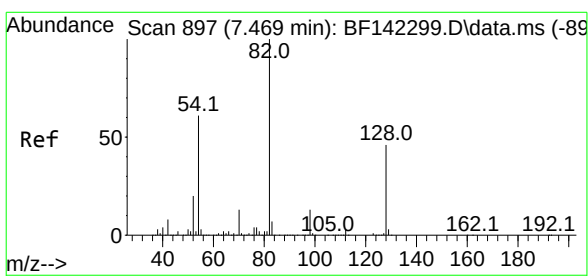
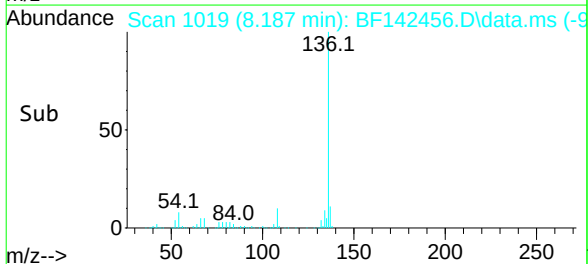
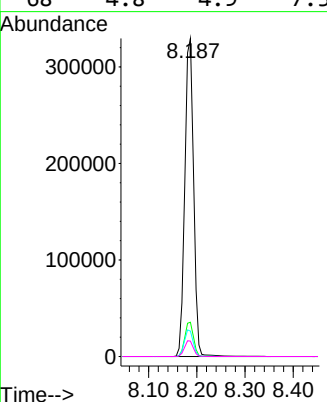


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29

Instrument :
BNA_F
ClientSampleId :

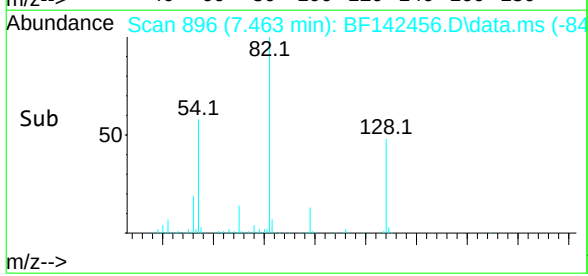
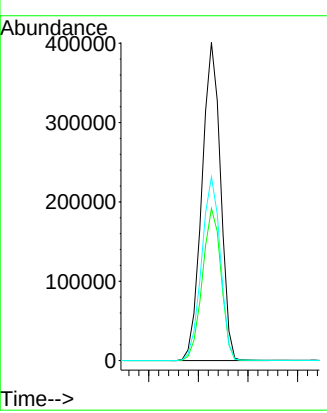
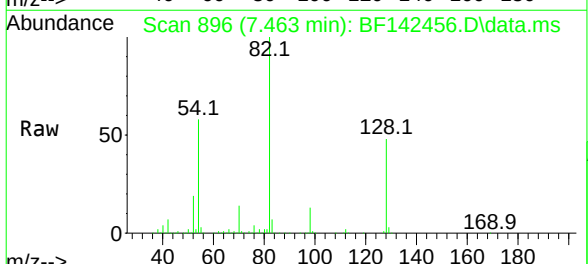


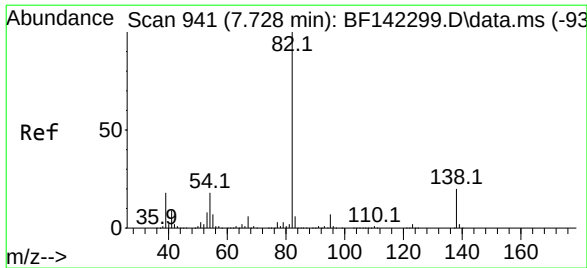
Tgt Ion:	136	Resp:	418135
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	8.0	7.7	11.5
68	4.8	4.9	7.3



#23
Nitrobenzene-d5
Concen: 76.459 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29

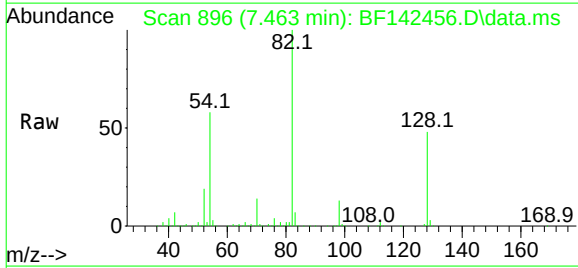
Tgt Ion:	82	Resp:	524214
Ion Ratio	Lower	Upper	
82	100		
128	47.8	37.0	55.6
54	57.7	48.6	73.0



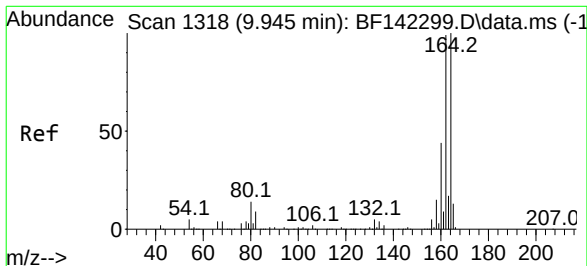
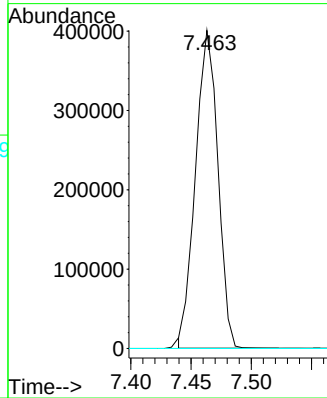
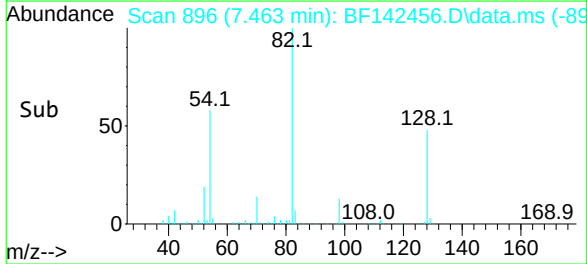


#25
Isophorone
Concen: 39.809 ng
RT: 7.463 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29

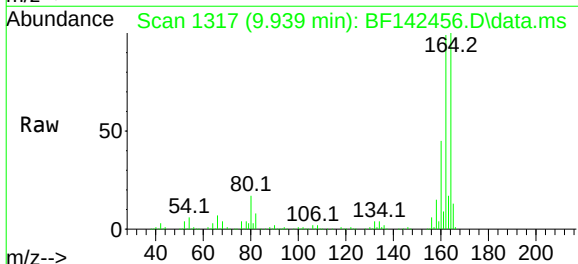
Instrument :
BNA_F
ClientSampleId :



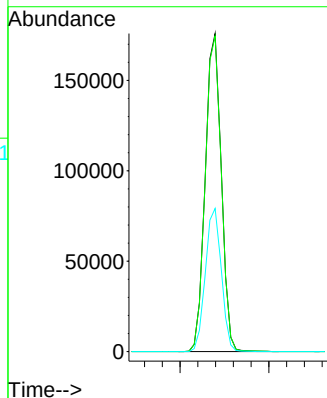
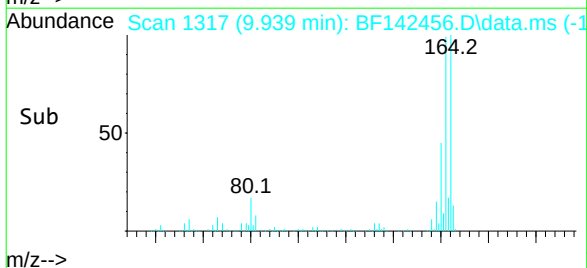
Tgt Ion: 82 Resp: 516838
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#

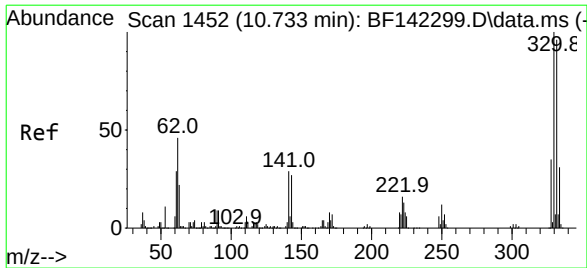


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29



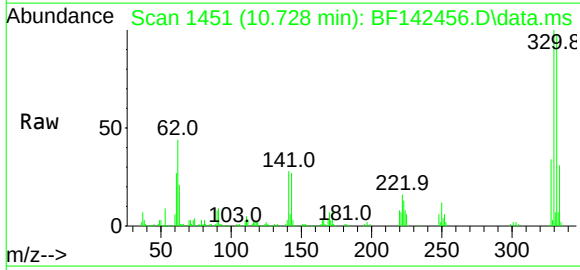
Tgt Ion: 164 Resp: 220349
Ion Ratio Lower Upper
164 100
162 99.2 79.2 118.8
160 45.0 35.3 52.9



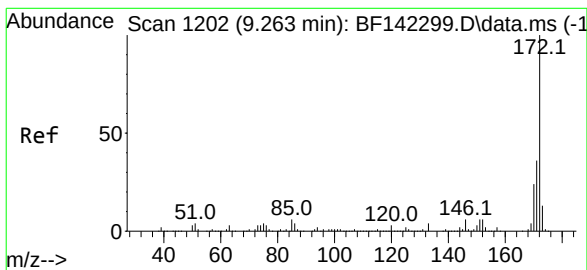
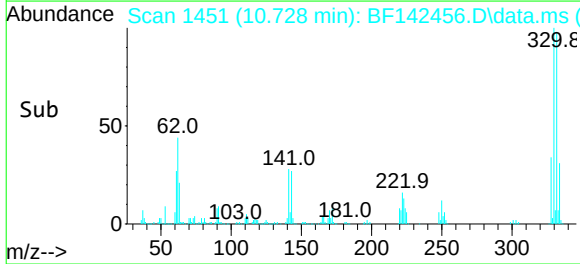
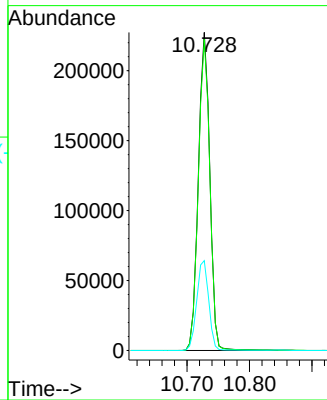


#42
2,4,6-Tribromophenol
Concen: 136.206 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29

Instrument :
BNA_F
ClientSampleId :

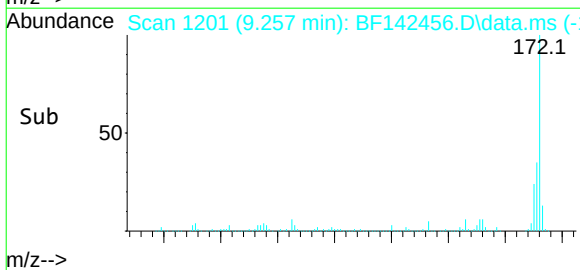
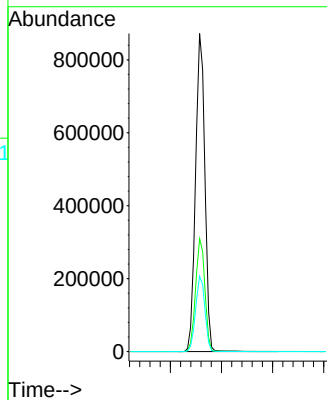
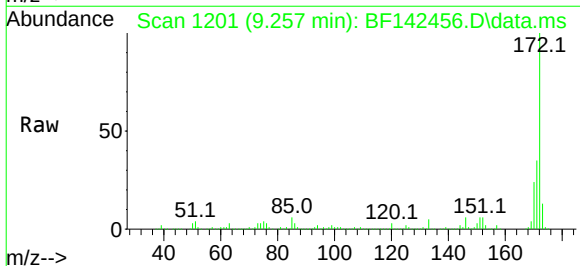


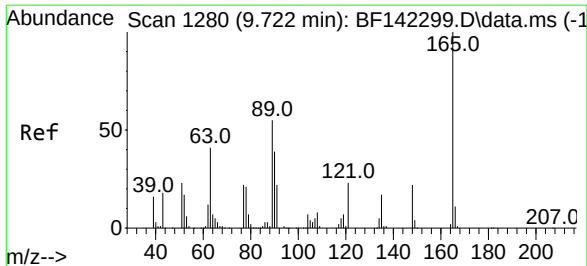
Tgt Ion: 330 Resp: 289768
Ion Ratio Lower Upper
330 100
332 98.1 76.8 115.2
141 29.7 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 71.589 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29

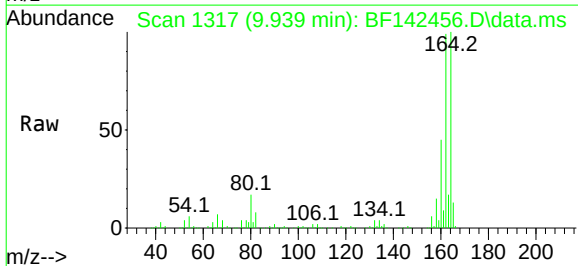
Tgt Ion: 172 Resp: 1106314
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.7 19.0 28.4



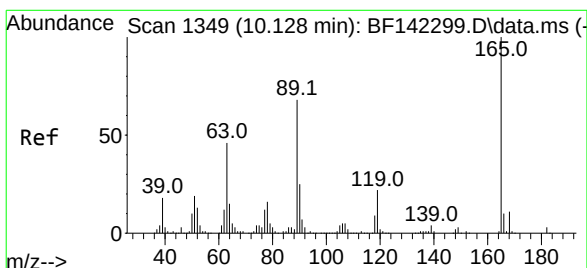
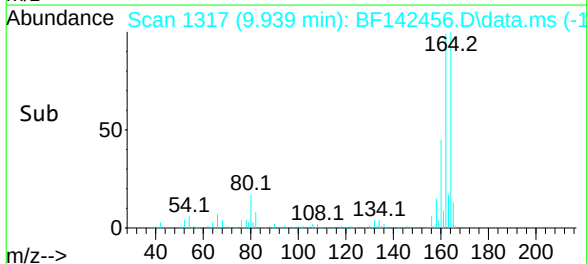
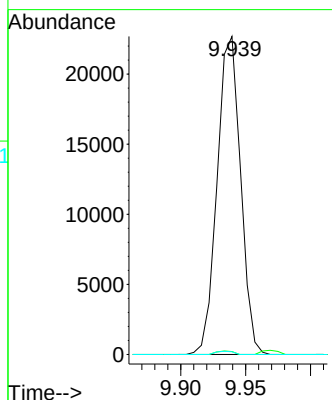


#51
2,6-Dinitrotoluene
Concen: 10.759 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29

Instrument :
BNA_F
ClientSampleId :

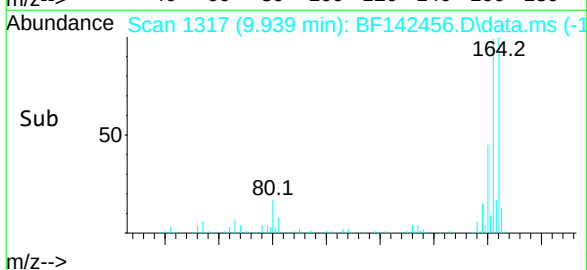
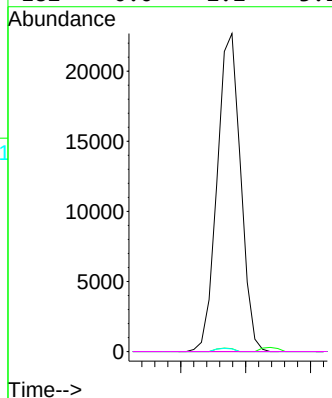
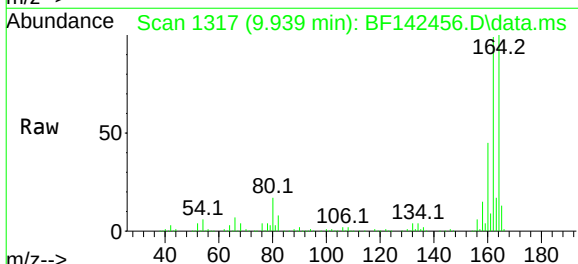


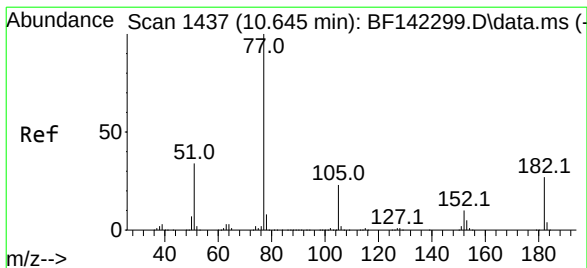
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	49.5	74.3#
89	0.8	44.6	66.8#



#57
2,4-Dinitrotoluene
Concen: 8.388 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	37.1	55.7#
89	0.8	54.4	81.6#
182	0.0	2.2	3.2#





#63

Azobenzene

Concen: 6.377 ng

RT: 10.651 min Scan# 14

Delta R.T. 0.006 min

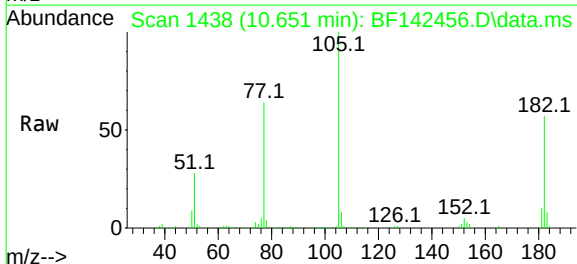
Lab File: BF142456.D

Acq: 19 May 2025 17:29

Instrument :

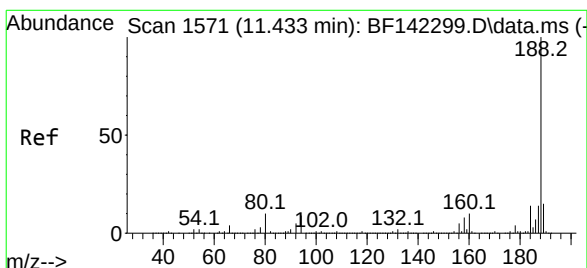
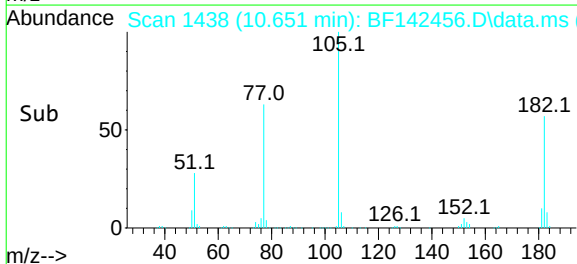
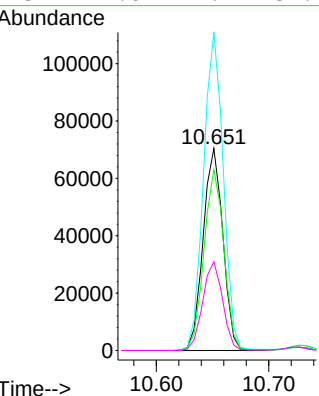
BNA_F

ClientSampleId :



Tgt Ion: 77 Resp: 86102

Ion	Ratio	Lower	Upper
77	100		
182	89.4	6.9	46.9#
105	157.5	2.7	42.7#
51	44.0	14.7	54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

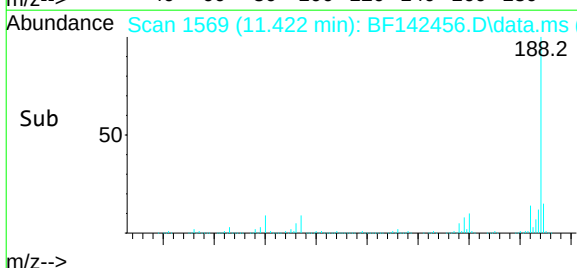
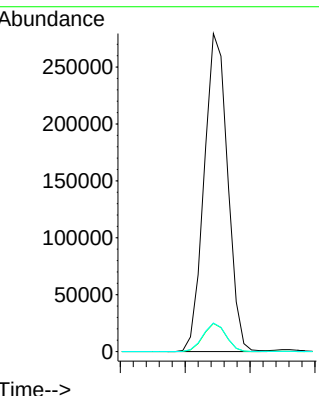
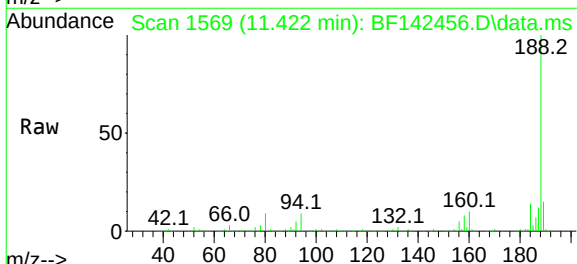
Delta R.T. -0.012 min

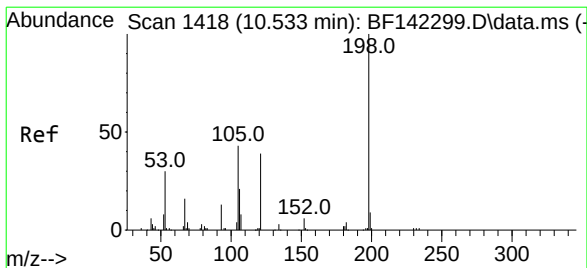
Lab File: BF142456.D

Acq: 19 May 2025 17:29

Tgt Ion: 188 Resp: 352462

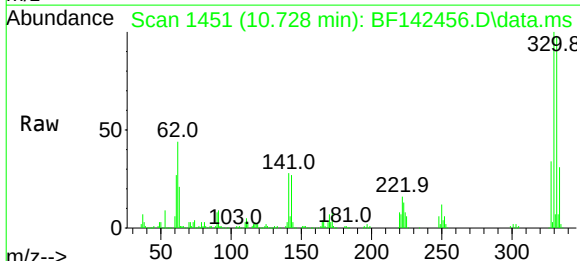
Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.5	11.3
80	9.0	7.9	11.9



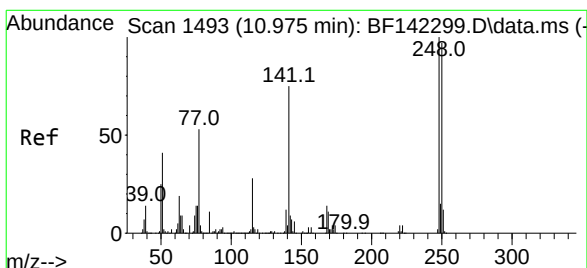
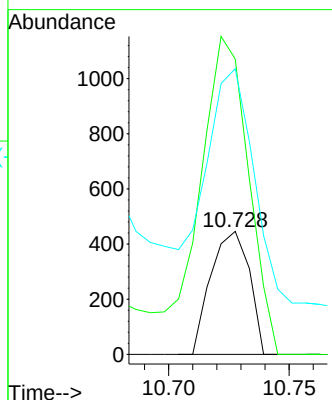
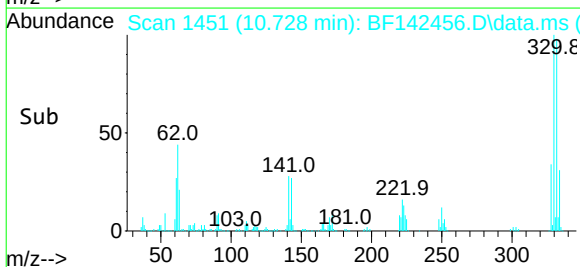


#65
4,6-Dinitro-2-methylphenol
Concen: 7.441 ng
RT: 10.728 min Scan# 1418
Delta R.T. 0.195 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29

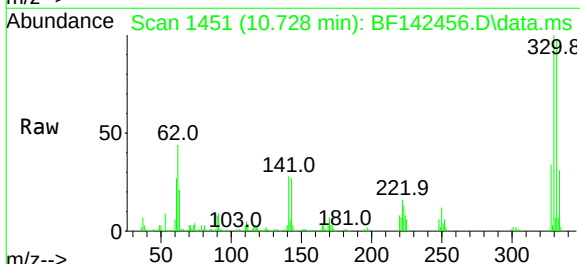
Instrument :
BNA_F
ClientSampleId :



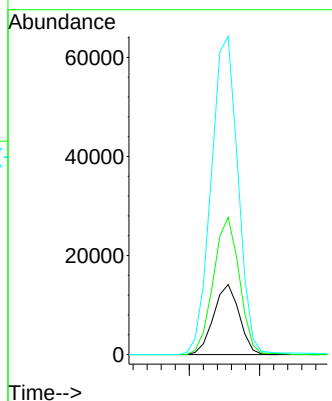
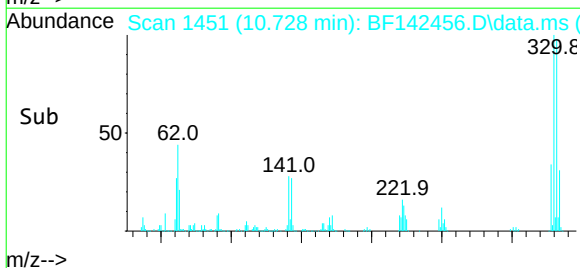
Tgt Ion:198 Resp: 494
Ion Ratio Lower Upper
198 100
51 240.1 32.9 72.9#
105 232.3 23.7 63.7#

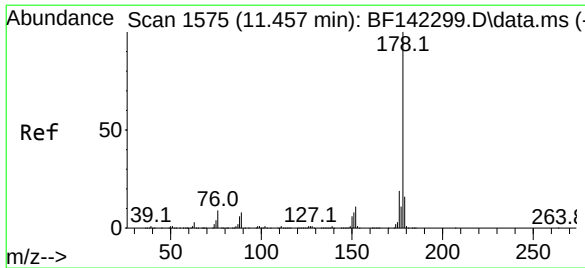


#67
4-Bromophenyl-phenylether
Concen: 4.496 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29



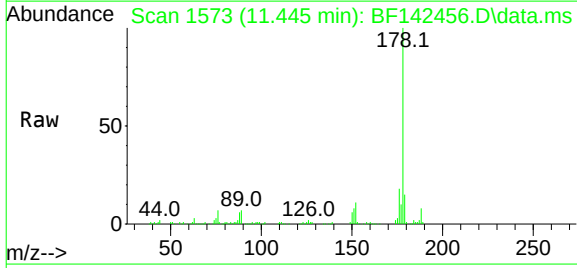
Tgt Ion:248 Resp: 17961
Ion Ratio Lower Upper
248 100
250 195.9 77.9 116.9#
141 454.1 59.8 89.8#



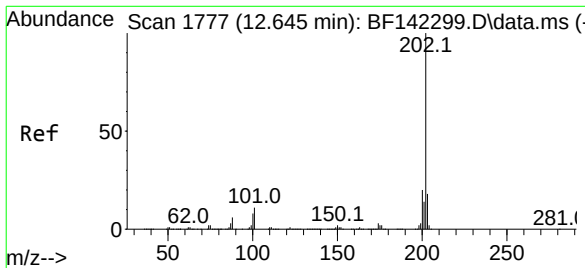
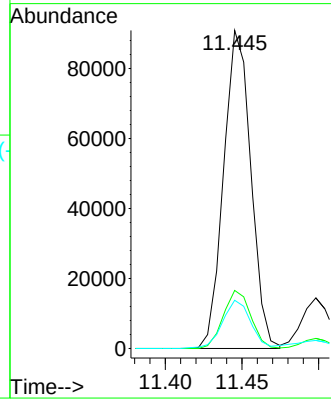
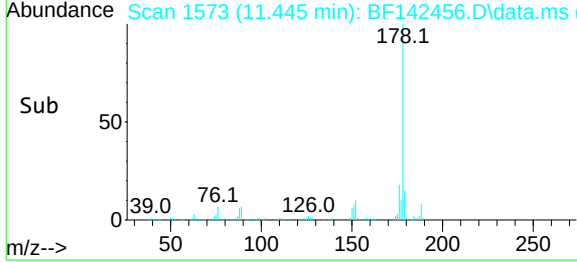


#71
Phenanthrene
Concen: 6.078 ng
RT: 11.445 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29

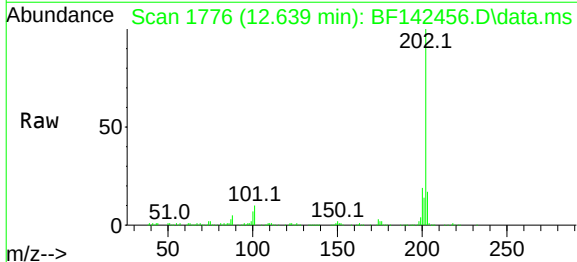
Instrument :
BNA_F
ClientSampleId :



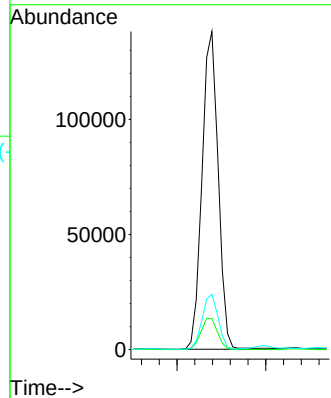
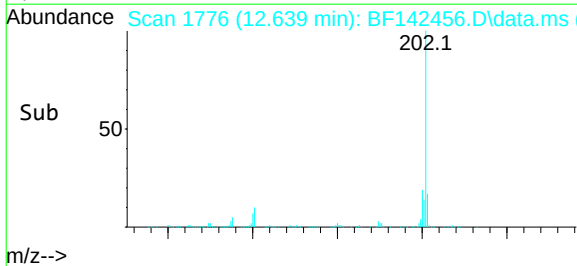
Tgt Ion:178 Resp: 112296
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 15.2 12.6 18.8

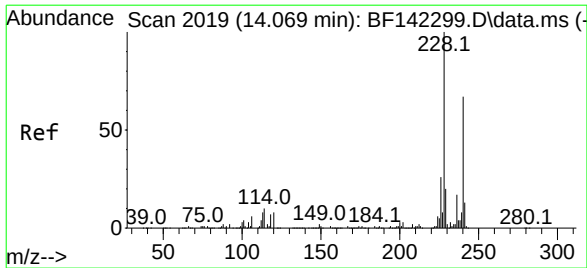


#75
Fluoranthene
Concen: 9.469 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29



Tgt Ion:202 Resp: 174883
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.4
203 17.4 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2019

Delta R.T. -0.006 min

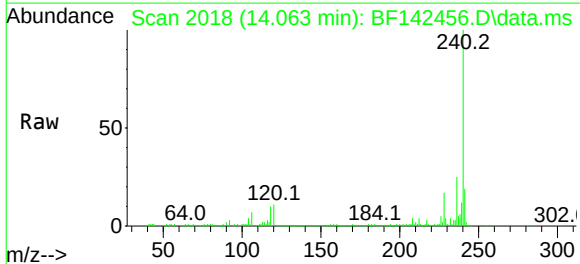
Lab File: BF142456.D

Acq: 19 May 2025 17:29

Instrument :

BNA_F

ClientSampleId :



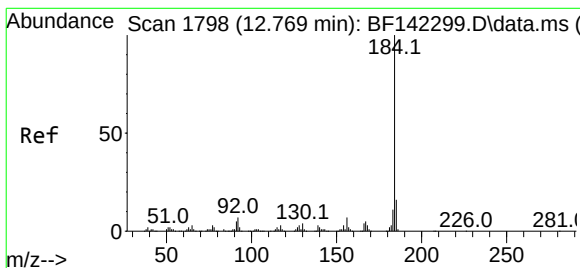
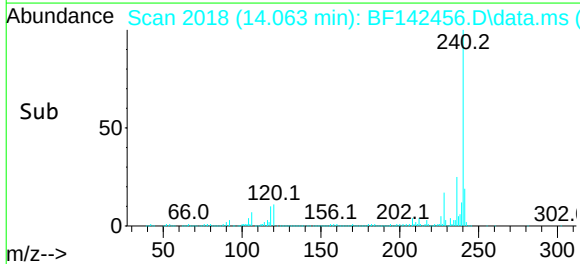
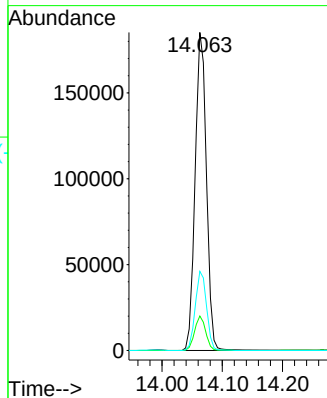
Tgt Ion:240 Resp: 241598

Ion Ratio Lower Upper

240 100

120 10.8 9.7 14.5

236 24.9 20.0 30.0



#77

Benzidine

Concen: 3.307 ng

RT: 13.010 min Scan# 1839

Delta R.T. 0.241 min

Lab File: BF142456.D

Acq: 19 May 2025 17:29

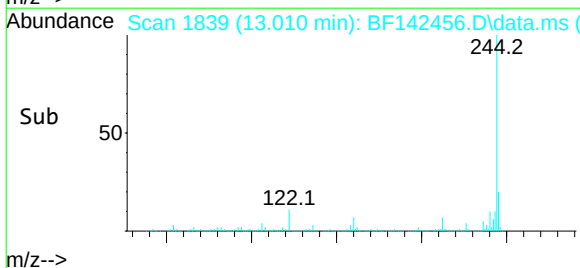
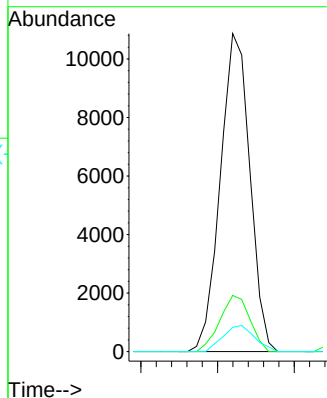
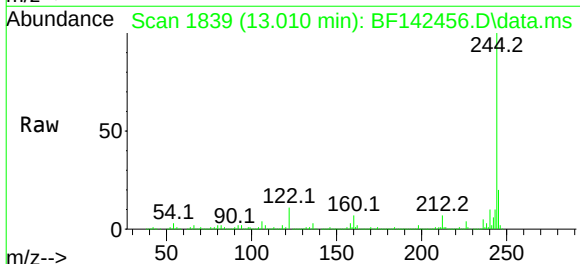
Tgt Ion:184 Resp: 14519

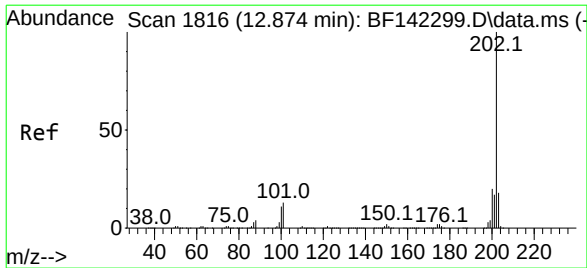
Ion Ratio Lower Upper

184 100

185 17.7 12.6 18.8

183 7.6 8.6 12.8#





#78

Pyrene

Concen: 6.908 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142456.D

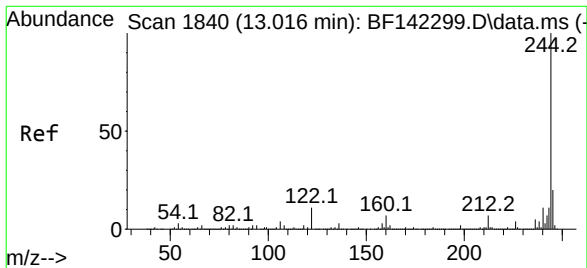
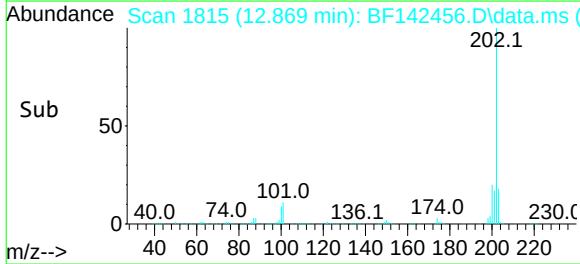
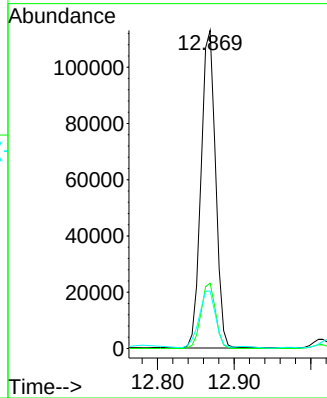
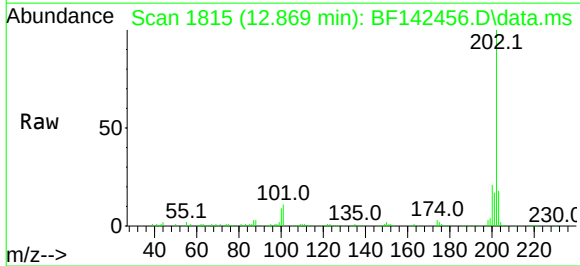
Acq: 19 May 2025 17:29

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	202	Resp:	148547
Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.4
203	18.0	14.3	21.5



#79

Terphenyl-d14

Concen: 70.334 ng

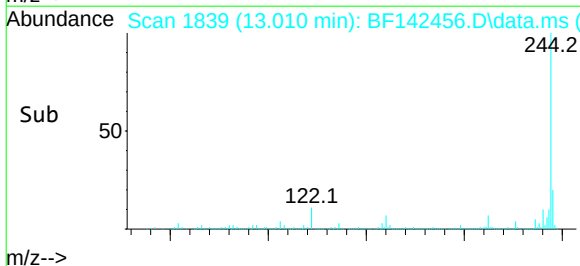
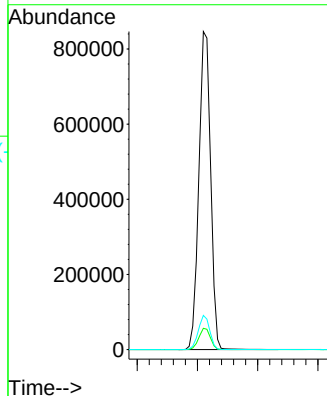
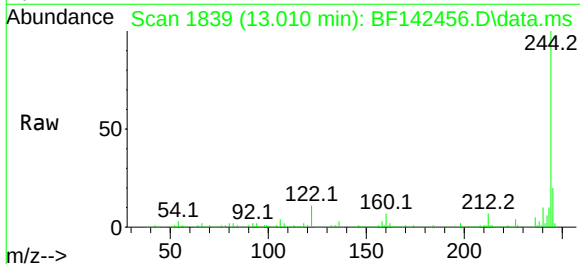
RT: 13.010 min Scan# 1839

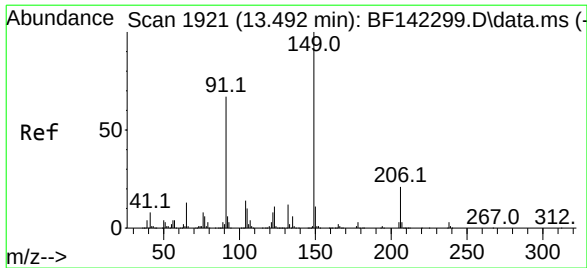
Delta R.T. -0.006 min

Lab File: BF142456.D

Acq: 19 May 2025 17:29

Tgt Ion:	244	Resp:	1148065
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	10.7	9.0	13.4





#80

Butylbenzylphthalate

Concen: 3.716 ng

RT: 13.480 min Scan# 19

Delta R.T. -0.012 min

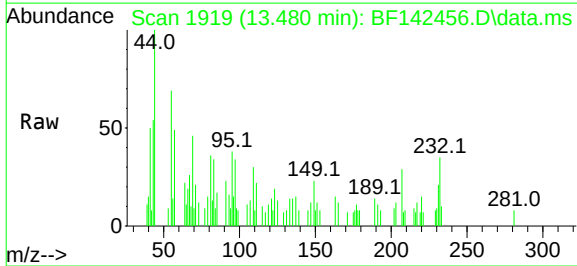
Lab File: BF142456.D

Acq: 19 May 2025 17:29

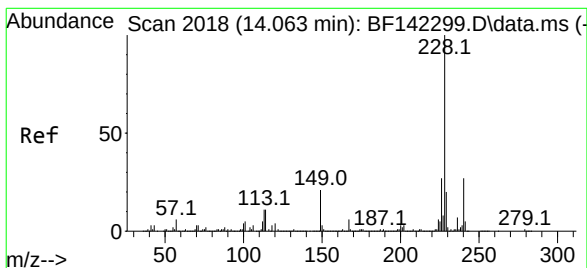
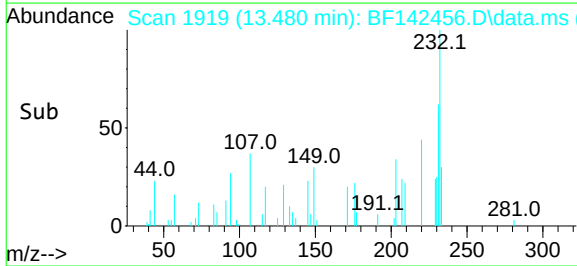
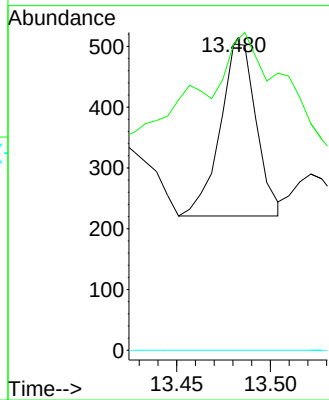
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	149	Resp:	383
Ion Ratio	Lower	Upper	
149	100		
91	100.0	53.8	80.6#
206	0.0	16.6	24.8#



#81

Benzo(a)anthracene

Concen: 4.605 ng

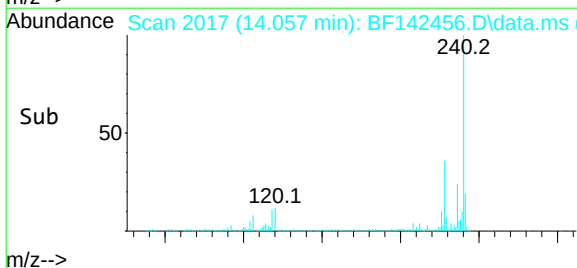
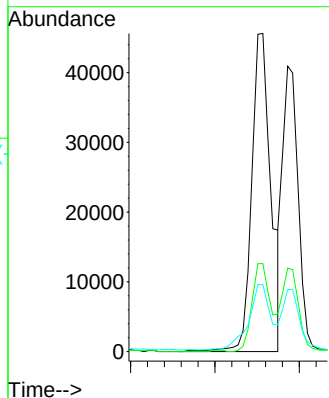
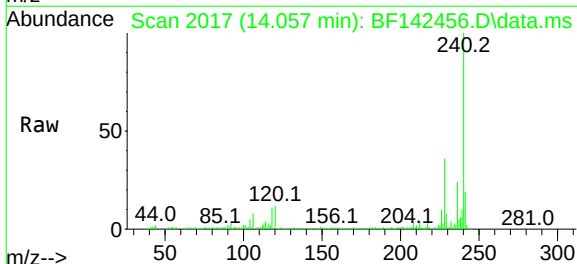
RT: 14.057 min Scan# 2017

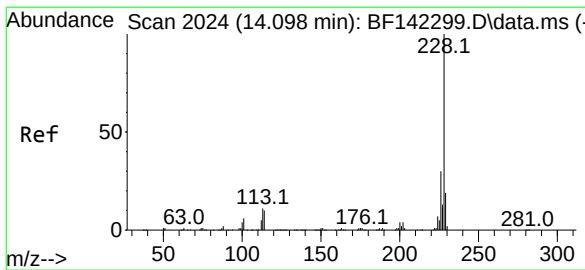
Delta R.T. -0.006 min

Lab File: BF142456.D

Acq: 19 May 2025 17:29

Tgt Ion:	228	Resp:	72044
Ion Ratio	Lower	Upper	
228	100		
226	27.7	21.5	32.3
229	21.0	15.9	23.9





#83

Chrysene

Concen: 3.582 ng

RT: 14.086 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF142456.D

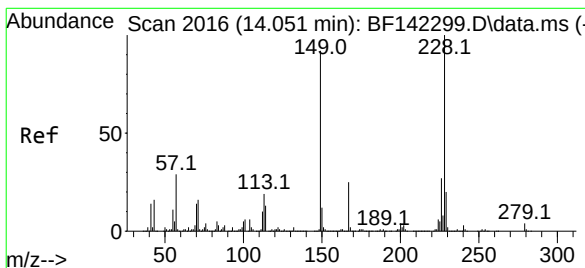
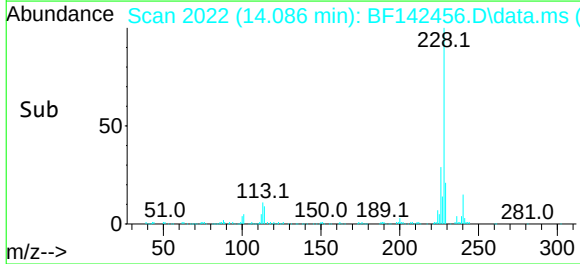
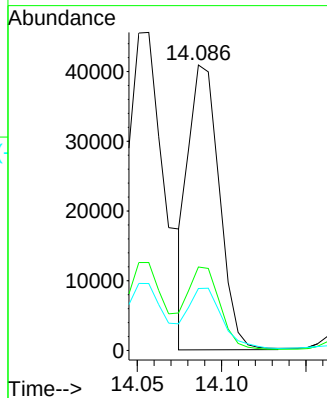
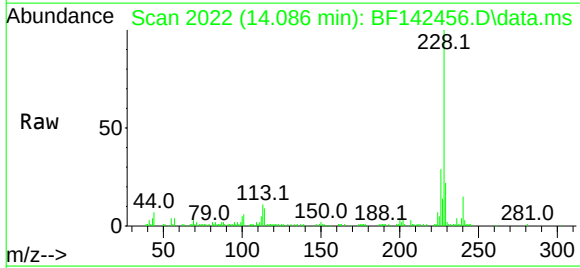
Acq: 19 May 2025 17:29

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	228	Resp:	52177
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.9	35.9
229	21.7	15.4	23.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.475 ng

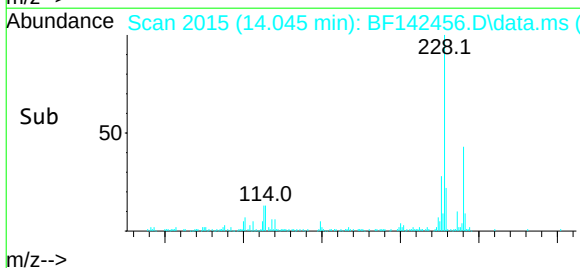
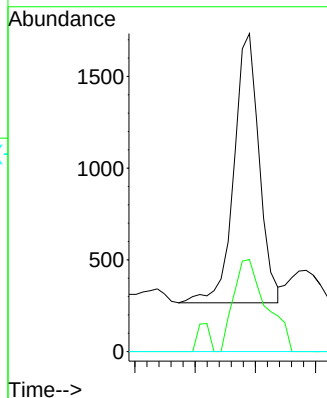
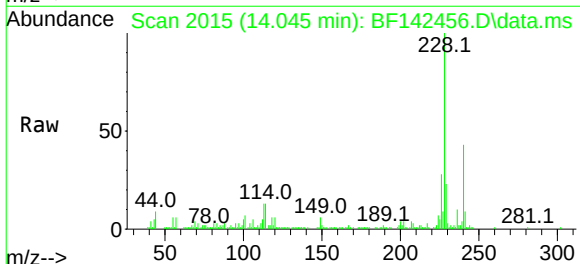
RT: 14.045 min Scan# 2015

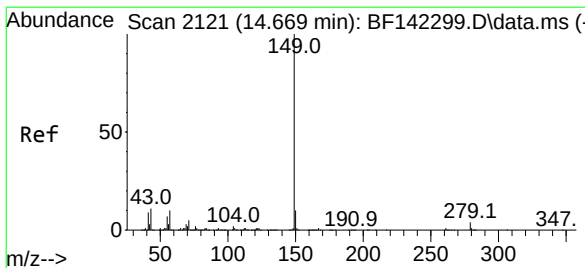
Delta R.T. -0.006 min

Lab File: BF142456.D

Acq: 19 May 2025 17:29

Tgt Ion:	149	Resp:	2136
Ion Ratio	Lower	Upper	
149	100		
167	29.0	22.0	33.0
279	0.0	3.0	4.6#





#85

Di-n-octyl phthalate

Concen: 7.858 ng

RT: 14.651 min Scan# 2118

Delta R.T. -0.018 min

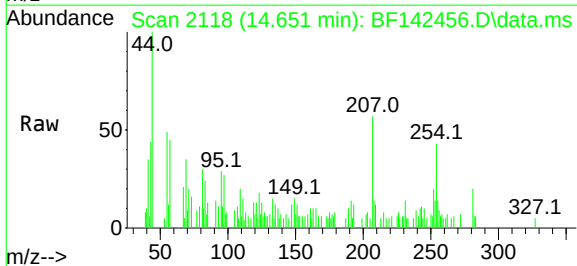
Lab File: BF142456.D

Acq: 19 May 2025 17:29

Instrument :

BNA_F

ClientSampleId :



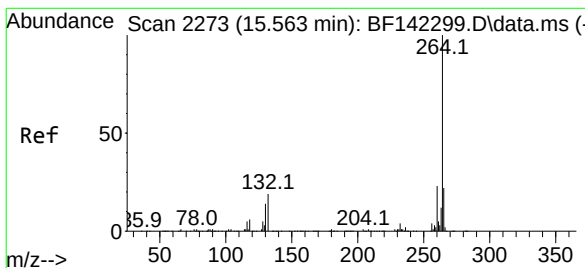
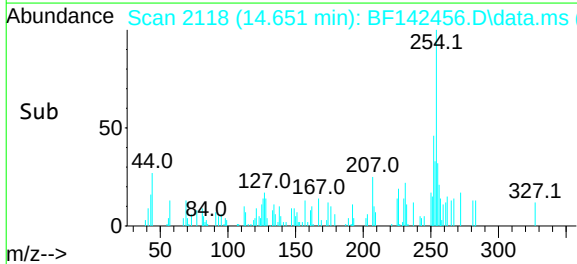
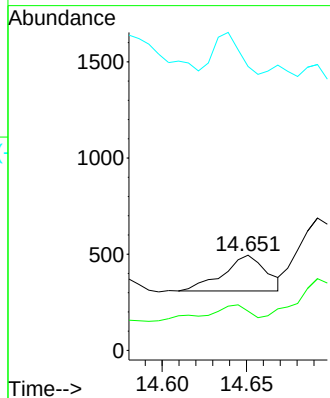
Tgt Ion:149 Resp: 329

Ion Ratio Lower Upper

149 100

167 20.7 1.1 1.7#

43 77.5 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: BF142456.D

Acq: 19 May 2025 17:29

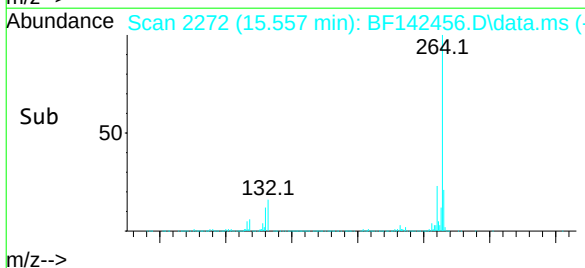
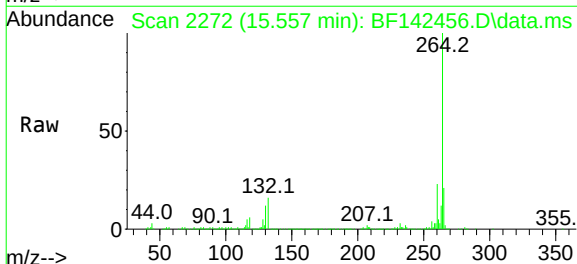
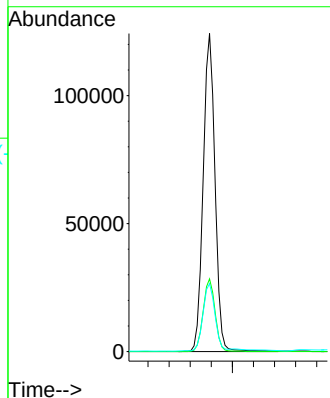
Tgt Ion:264 Resp: 193768

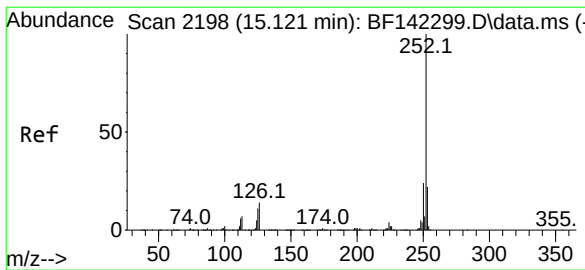
Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

265 21.4 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 7.008 ng

RT: 15.116 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF142456.D

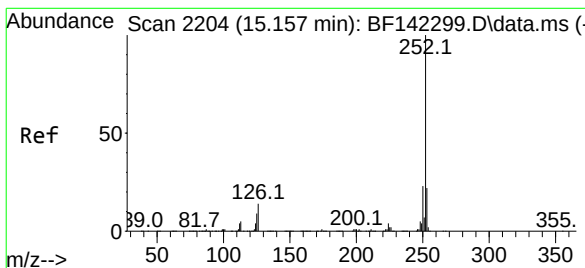
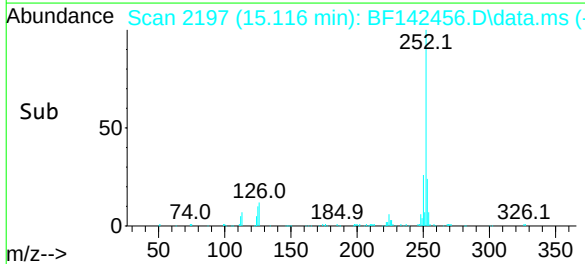
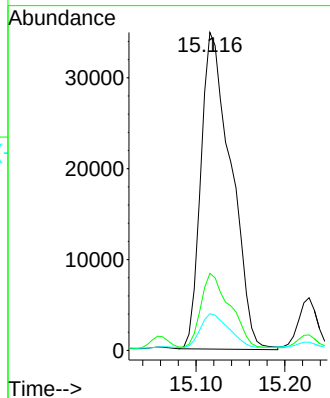
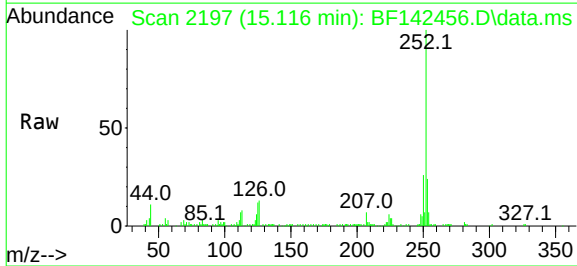
Acq: 19 May 2025 17:29

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	252	Resp:	82245
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.7	26.5
125	11.6	8.7	13.1



#89

Benzo(k)fluoranthene

Concen: 7.658 ng

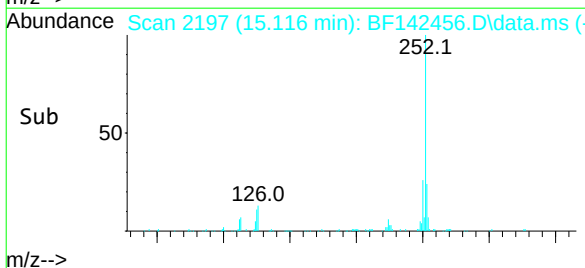
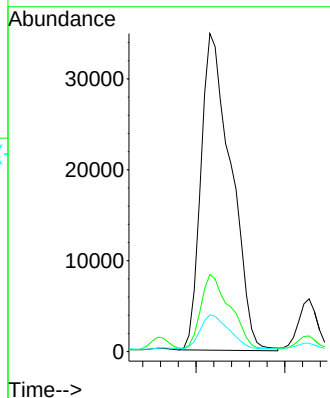
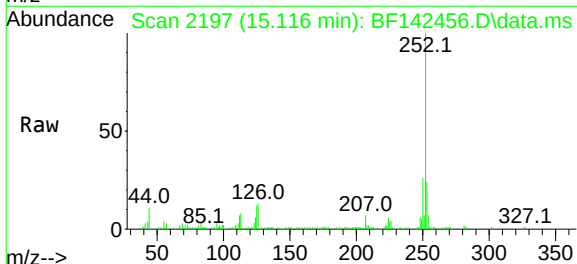
RT: 15.116 min Scan# 2197

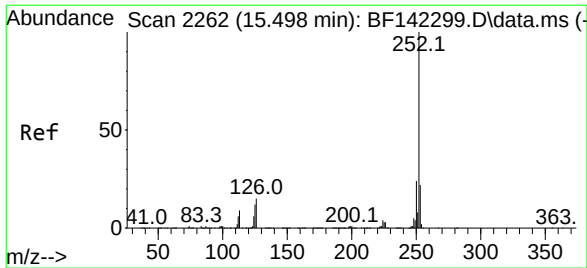
Delta R.T. -0.041 min

Lab File: BF142456.D

Acq: 19 May 2025 17:29

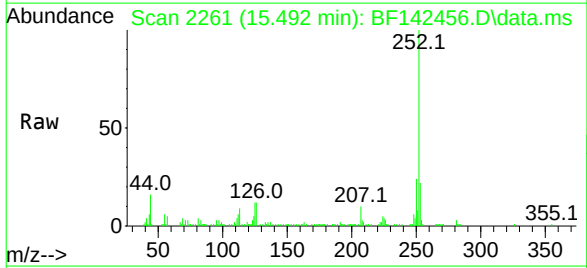
Tgt Ion:	252	Resp:	82245
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.6	26.4
125	11.6	8.1	12.1





#90
Benzo(a)pyrene
Concen: 3.885 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142456.D
Acq: 19 May 2025 17:29

Instrument :
BNA_F
ClientSampleId :



Tgt	Ion:252	Resp:	40852
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	11.6	9.4	14.0

