

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
 Data File : BF142463.D
 Acq On : 19 May 2025 20:52
 Operator : RC/JU
 Sample : Q2071-17
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L2-WC-6

Quant Time: May 20 02:23:44 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)

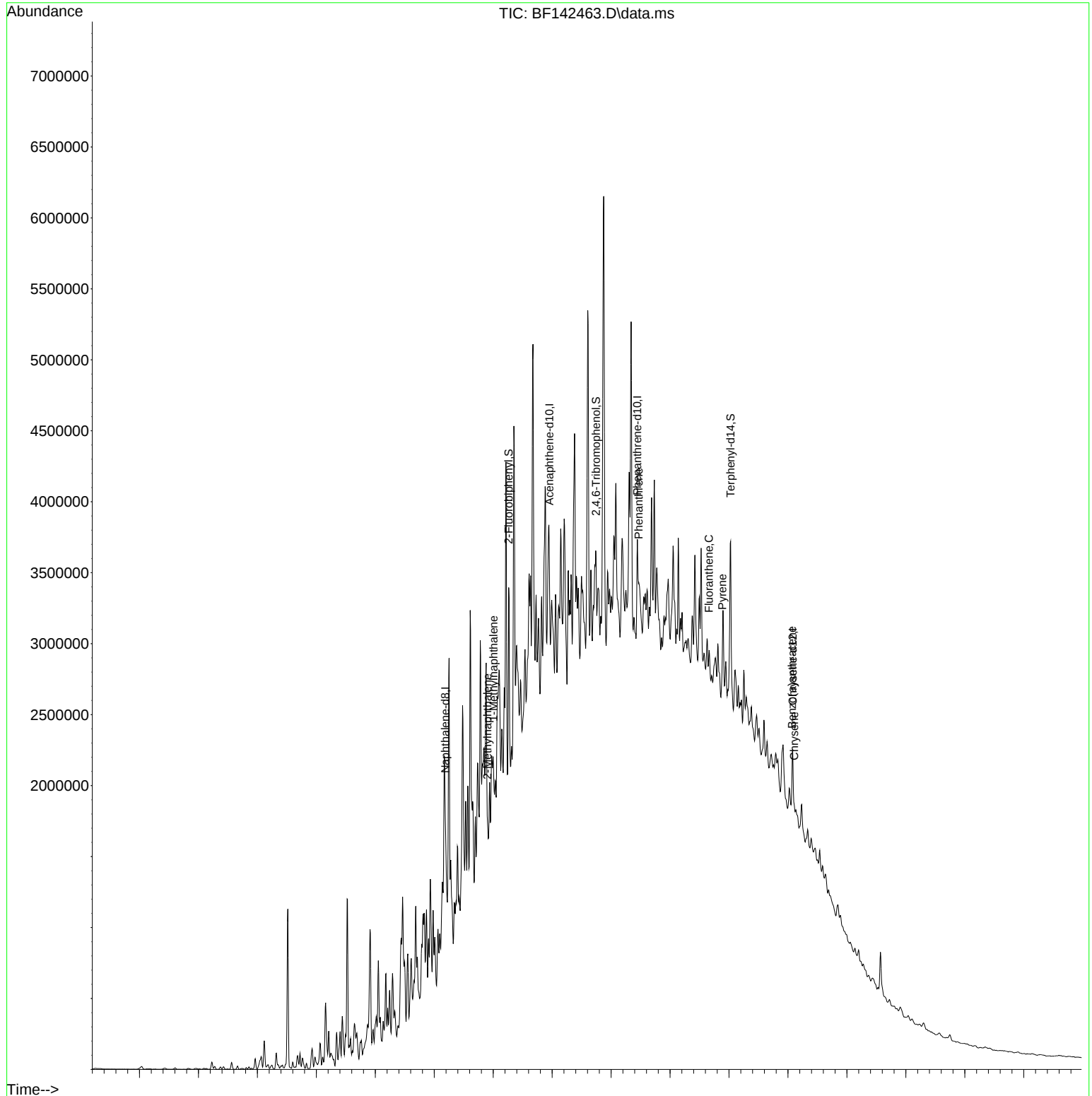
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	79973	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	287027	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	135119	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	202294	20.000	ng	# 0.01
76) Chrysene-d12	14.080	240	187974	20.000	ng	0.01
86) Perylene-d12	15.568	264	171246	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	422508	90.187	ng	0.00
7) Phenol-d6	6.522	99	520362	90.310	ng	0.00
23) Nitrobenzene-d5	7.463	82	335405	71.266	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	132892	101.868	ng	0.01
45) 2-Fluorobiphenyl	9.263	172	614425	64.839	ng	0.00
79) Terphenyl-d14	13.027	244	555467	43.737	ng	0.01
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.904	142	90670	10.489	ng	96
38) 1-Methylnaphthalene	9.004	142	115683	12.840	ng	95
71) Phenanthrene	11.469	178	128113	12.082	ng	# 80
75) Fluoranthene	12.657	202	21689	2.046	ng	# 35
78) Pyrene	12.886	202	56725	3.390	ng	# 73
81) Benzo(a)anthracene	14.068	228	24925	2.047	ng	# 37
83) Chrysene	14.104	228	37948	3.349	ng	# 52

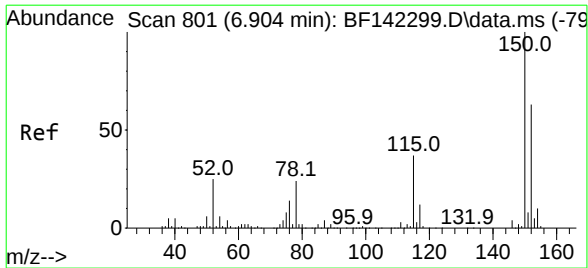
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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L2-WC-6

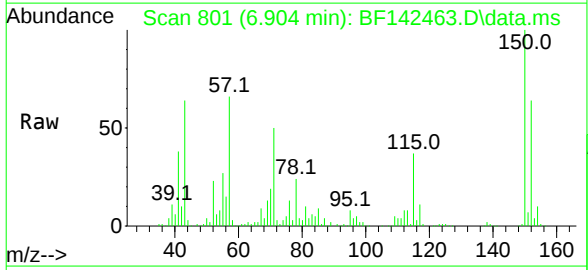
Quant Time: May 20 02:23:44 2025
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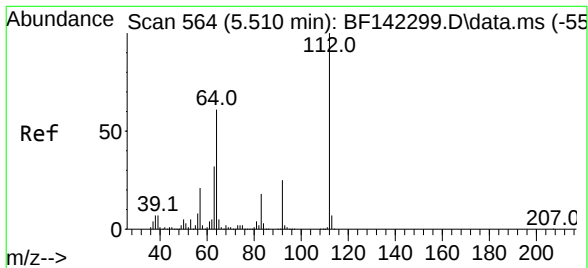
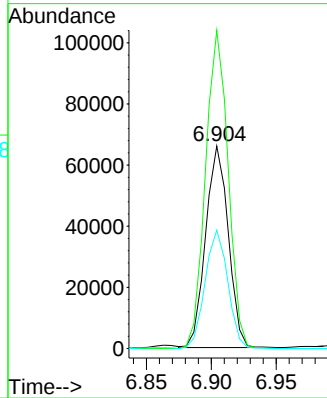
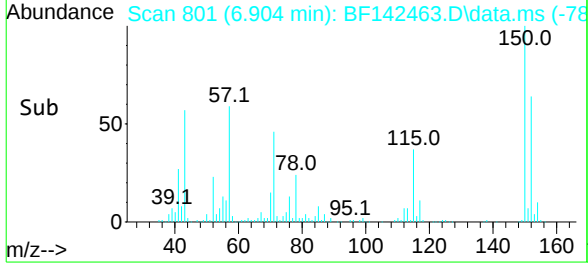


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142463.D
Acq: 19 May 2025 20:52

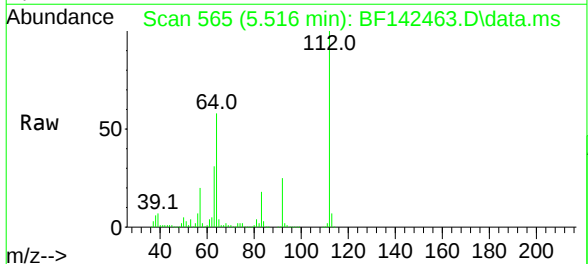
Instrument :
BNA_F
ClientSampleId :
L2-WC-6



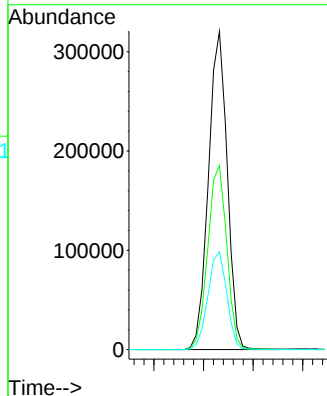
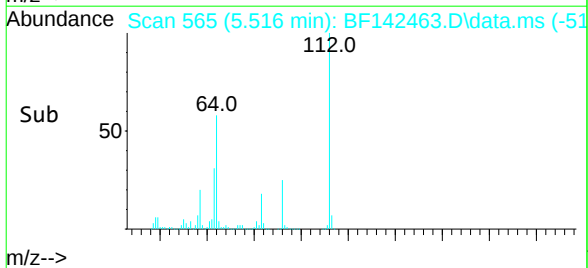
Tgt Ion:152 Resp: 79973
Ion Ratio Lower Upper
152 100
150 157.1 126.6 190.0
115 58.5 47.3 70.9

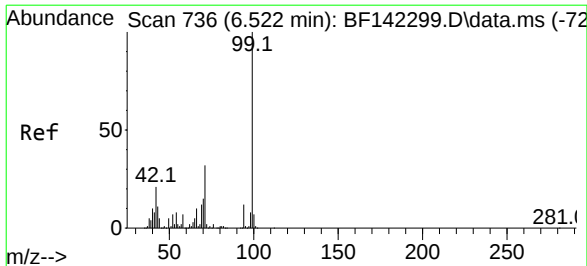


#5
2-Fluorophenol
Concen: 90.187 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142463.D
Acq: 19 May 2025 20:52



Tgt Ion:112 Resp: 422508
Ion Ratio Lower Upper
112 100
64 57.9 48.9 73.3
63 30.8 25.6 38.4

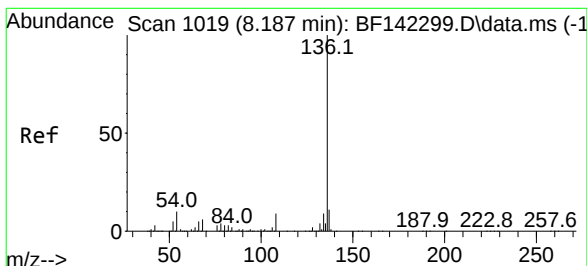
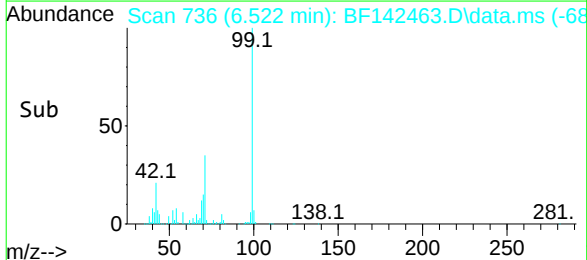
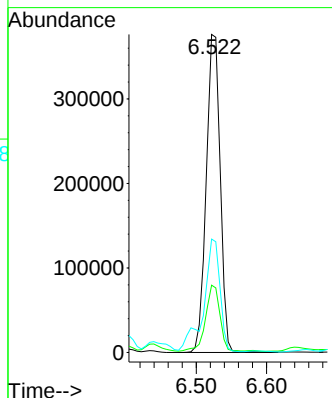
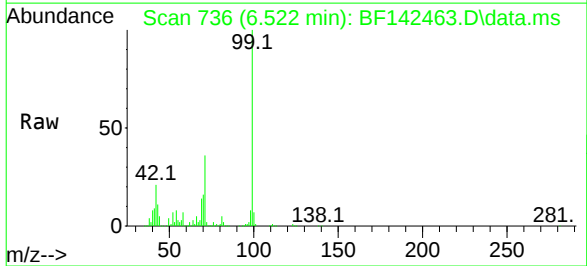




#7
Phenol-d6
Concen: 90.310 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF142463.D
Acq: 19 May 2025 20:52

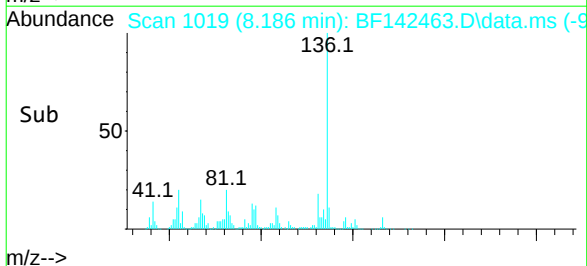
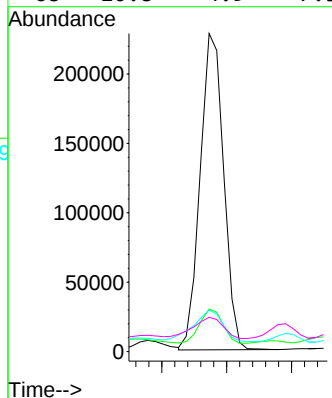
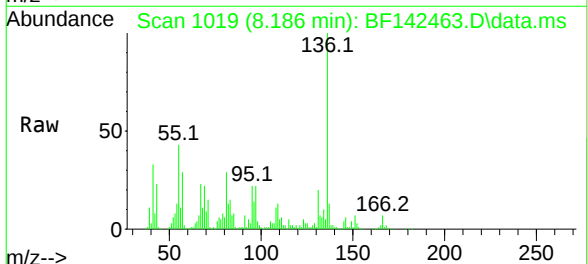
Instrument :
BNA_F
ClientSampleId :
L2-WC-6

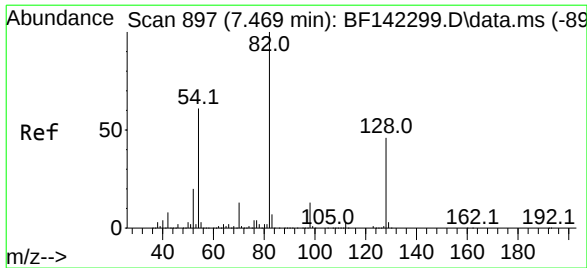
Tgt Ion:	99	Resp:	520362
Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.4
71	35.6	25.8	38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142463.D
Acq: 19 May 2025 20:52

Tgt Ion:	136	Resp:	287027
Ion	Ratio	Lower	Upper
136	100		
137	13.4	8.9	13.3#
54	13.0	7.7	11.5#
68	10.8	4.9	7.3#

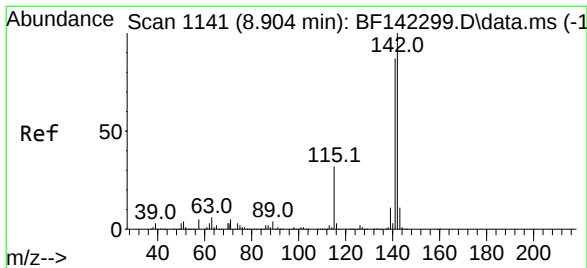
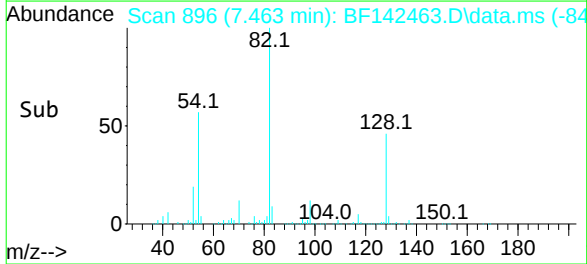
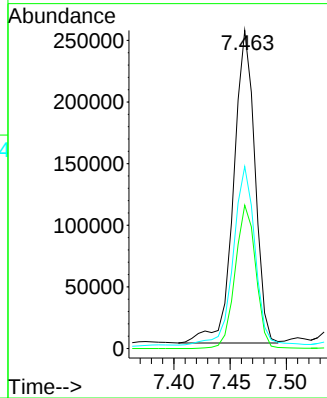
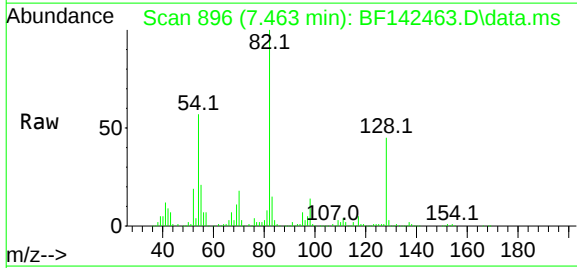




#23
 Nitrobenzene-d5
 Concen: 71.266 ng
 RT: 7.463 min Scan# 89
 Delta R.T. -0.006 min
 Lab File: BF142463.D
 Acq: 19 May 2025 20:52

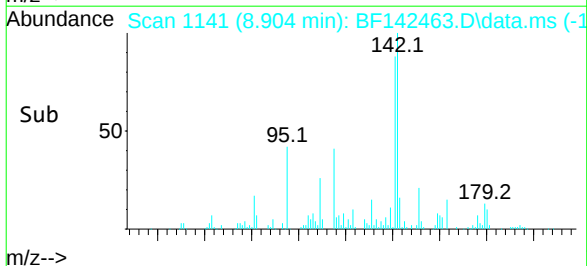
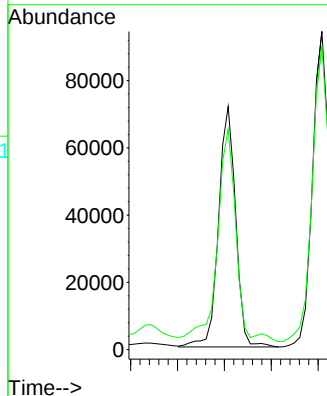
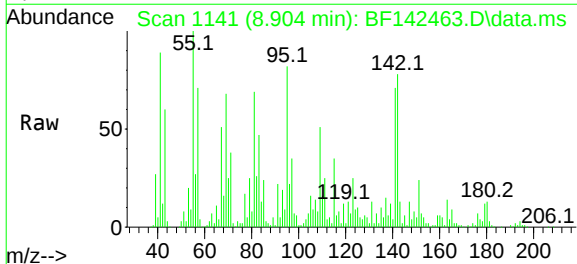
Instrument :
 BNA_F
 ClientSampleId :
 L2-WC-6

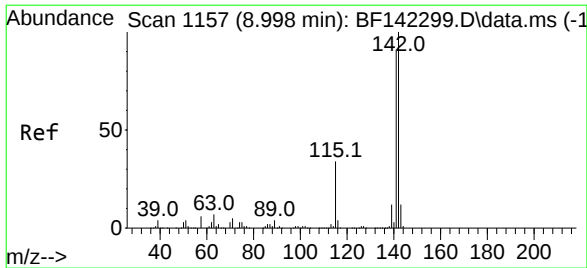
Tgt Ion: 82 Resp: 335405
 Ion Ratio Lower Upper
 82 100
 128 45.1 37.0 55.6
 54 57.2 48.6 73.0



#37
 2-Methylnaphthalene
 Concen: 10.489 ng
 RT: 8.904 min Scan# 1141
 Delta R.T. 0.000 min
 Lab File: BF142463.D
 Acq: 19 May 2025 20:52

Tgt Ion: 142 Resp: 90670
 Ion Ratio Lower Upper
 142 100
 141 90.7 69.4 104.2

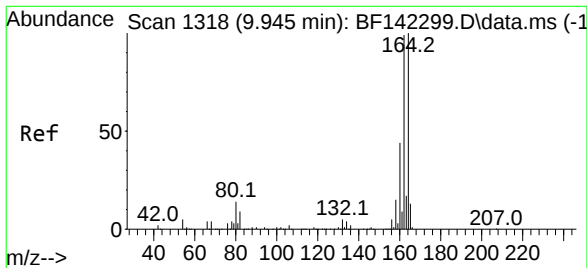
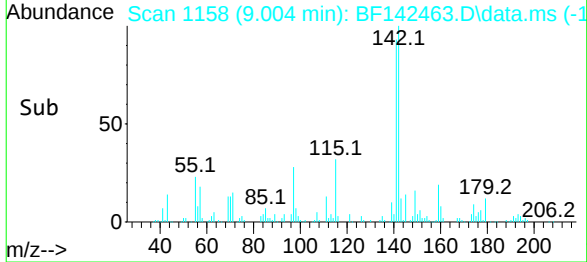
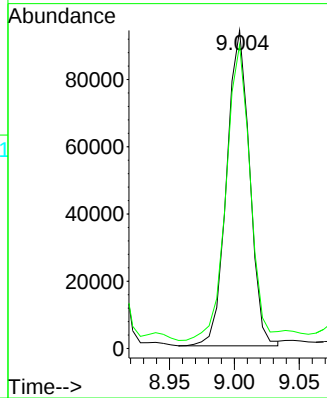
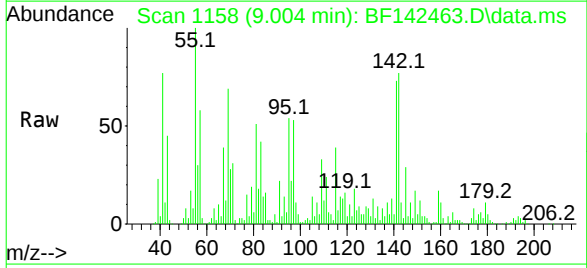




#38
1-Methylnaphthalene
Concen: 12.840 ng
RT: 9.004 min Scan# 1157
Delta R.T. 0.006 min
Lab File: BF142463.D
Acq: 19 May 2025 20:52

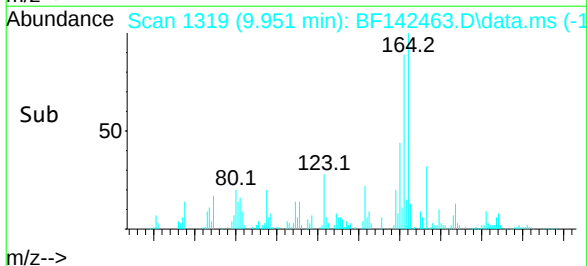
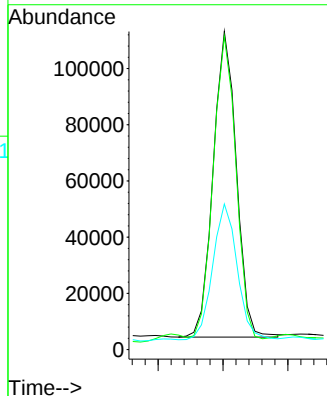
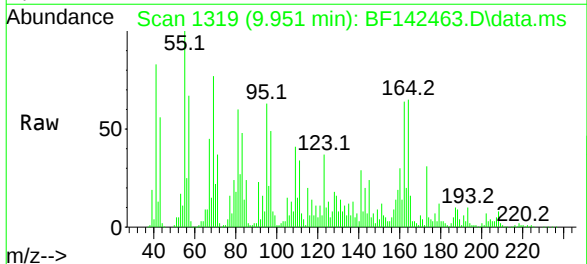
Instrument :
BNA_F
ClientSampleId :
L2-WC-6

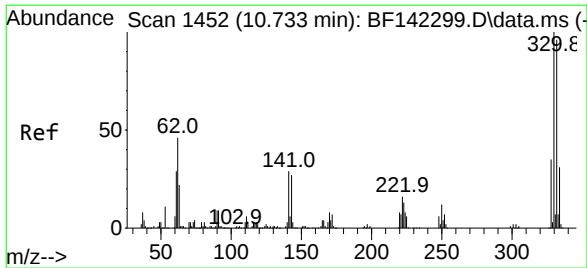
Tgt Ion:142 Resp: 115683
Ion Ratio Lower Upper
142 100
141 95.5 72.5 108.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.006 min
Lab File: BF142463.D
Acq: 19 May 2025 20:52

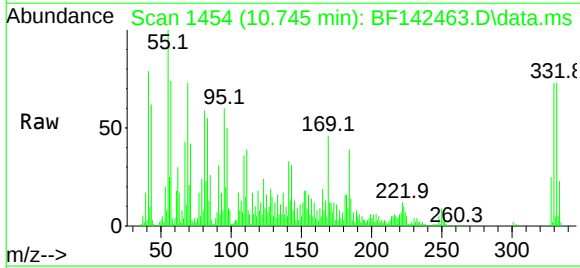
Tgt Ion:164 Resp: 135119
Ion Ratio Lower Upper
164 100
162 98.5 79.2 118.8
160 45.8 35.3 52.9



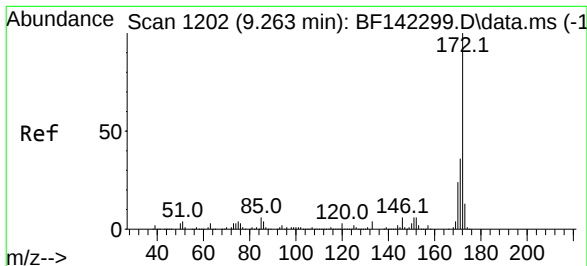
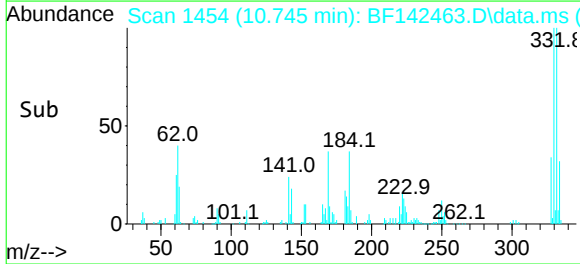
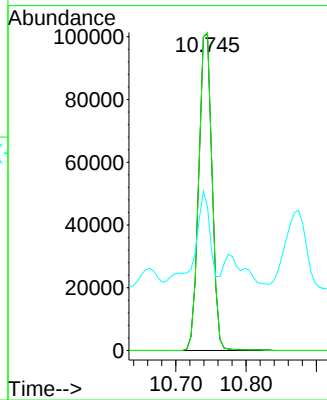


#42
2,4,6-Tribromophenol
Concen: 101.868 ng
RT: 10.745 min Scan# 1452
Delta R.T. 0.012 min
Lab File: BF142463.D
Acq: 19 May 2025 20:52

Instrument :
BNA_F
ClientSampleId :
L2-WC-6

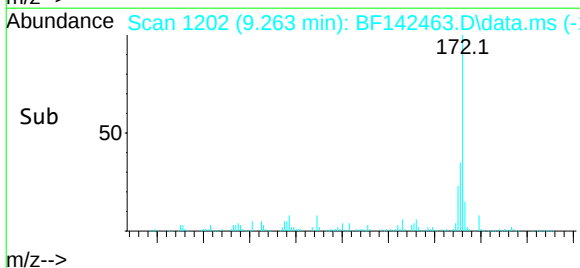
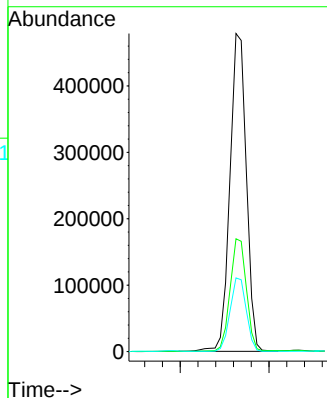
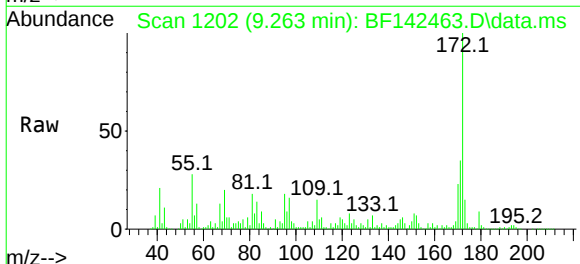


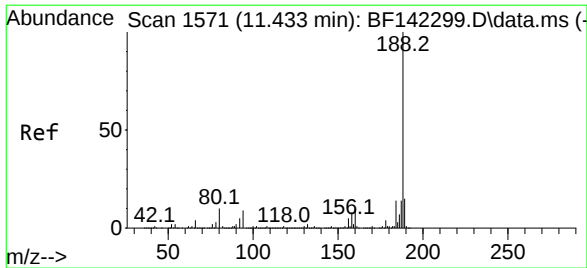
Tgt Ion: 330 Resp: 132892
Ion Ratio Lower Upper
330 100
332 100.0 76.8 115.2
141 30.1 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 64.839 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BF142463.D
Acq: 19 May 2025 20:52

Tgt Ion: 172 Resp: 614425
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.2 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 1571

Delta R.T. 0.012 min

Lab File: BF142463.D

Acq: 19 May 2025 20:52

Instrument :

BNA_F

ClientSampleId :

L2-WC-6

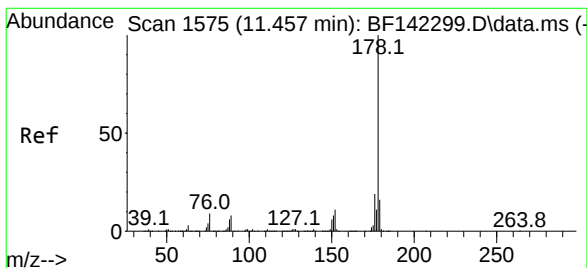
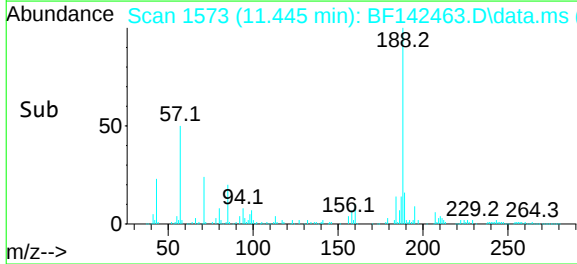
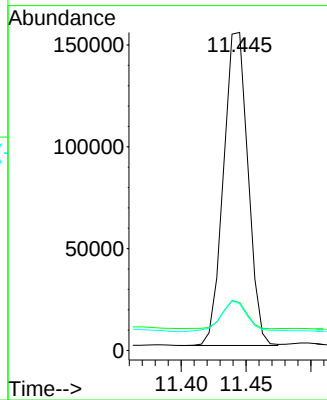
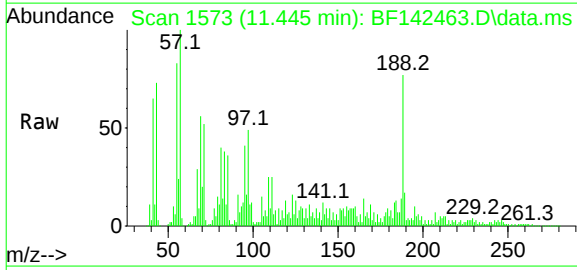
Tgt Ion:188 Resp: 202294

Ion Ratio Lower Upper

188 100

94 15.1 7.5 11.3#

80 14.7 7.9 11.9#



#71

Phenanthrene

Concen: 12.082 ng

RT: 11.469 min Scan# 1577

Delta R.T. 0.012 min

Lab File: BF142463.D

Acq: 19 May 2025 20:52

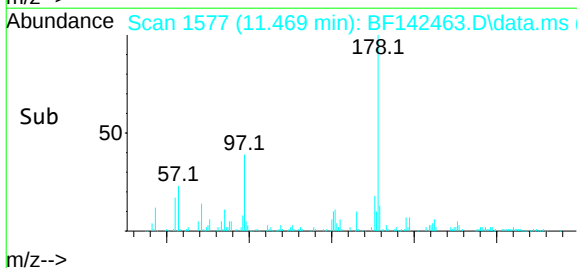
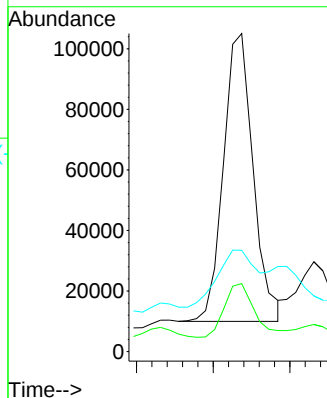
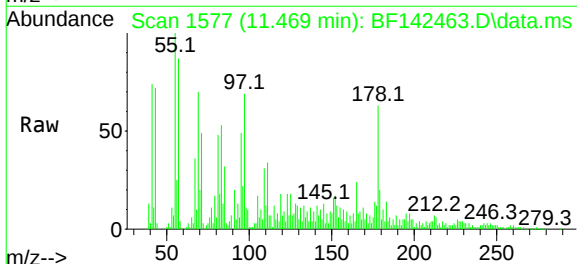
Tgt Ion:178 Resp: 128113

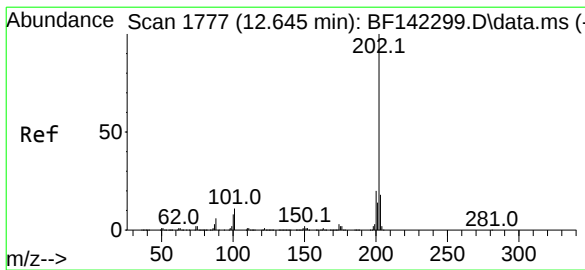
Ion Ratio Lower Upper

178 100

176 21.4 15.5 23.3

179 31.8 12.6 18.8#





#75

Fluoranthene

Concen: 2.046 ng

RT: 12.657 min Scan# 1777

Delta R.T. 0.012 min

Lab File: BF142463.D

Acq: 19 May 2025 20:52

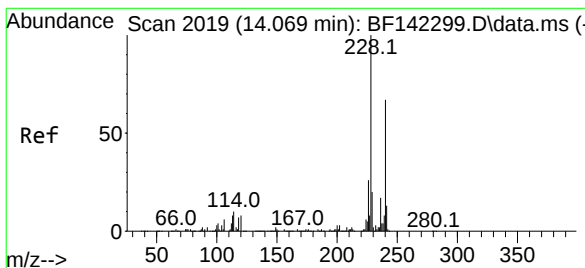
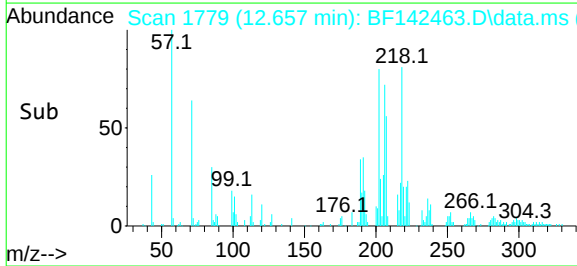
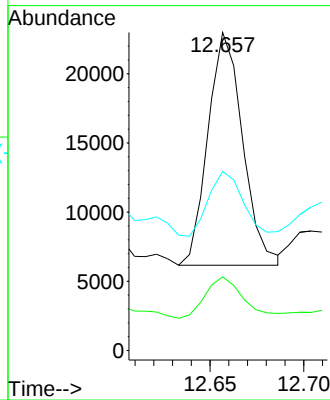
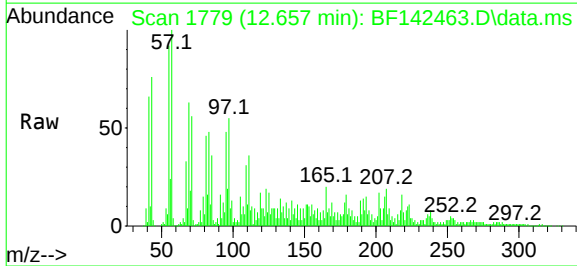
Instrument :

BNA_F

ClientSampleId :

L2-WC-6

Tgt Ion:	202	Resp:	21689
Ion	Ratio	Lower	Upper
202	100		
101	23.1	0.0	31.4
203	56.3	0.0	37.9



#76

Chrysene-d12

Concen: 20.000 ng

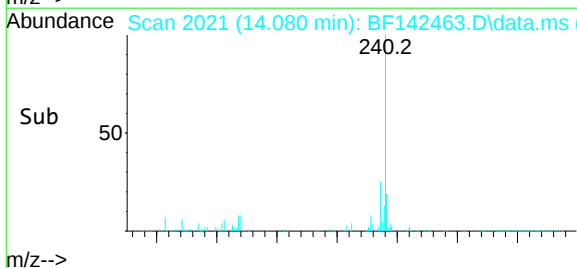
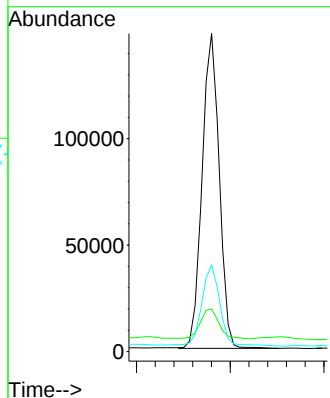
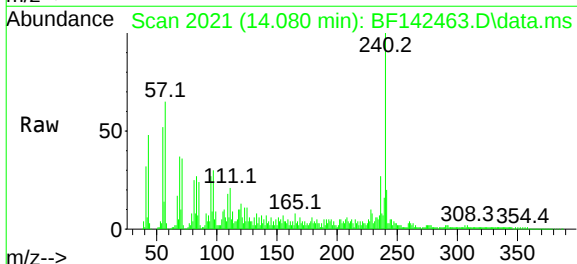
RT: 14.080 min Scan# 2021

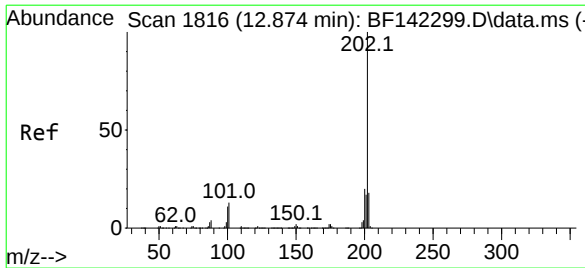
Delta R.T. 0.012 min

Lab File: BF142463.D

Acq: 19 May 2025 20:52

Tgt Ion:	240	Resp:	187974
Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.7	14.5
236	27.2	20.0	30.0





#78

Pyrene

Concen: 3.390 ng

RT: 12.886 min Scan# 1816

Delta R.T. 0.012 min

Lab File: BF142463.D

Acq: 19 May 2025 20:52

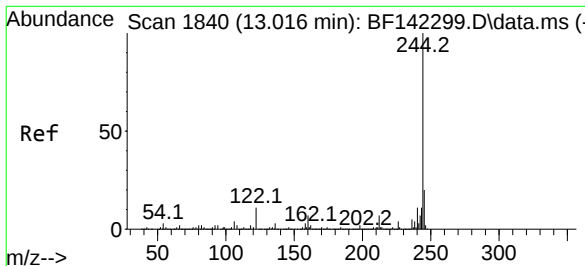
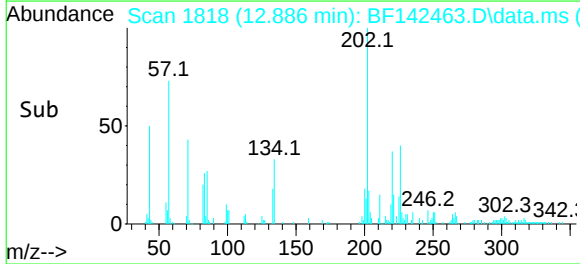
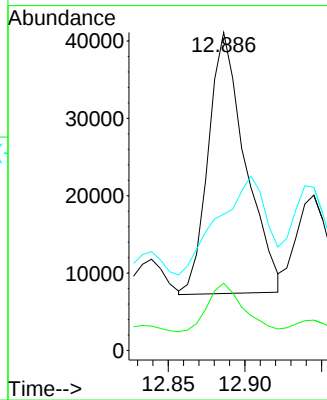
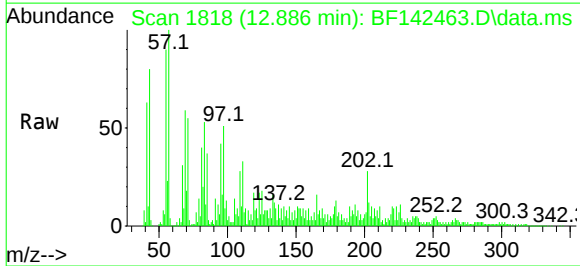
Instrument :

BNA_F

ClientSampleId :

L2-WC-6

Tgt Ion:	202	Resp:	56725
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.2	24.4
203	42.8	14.3	21.5



#79

Terphenyl-d14

Concen: 43.737 ng

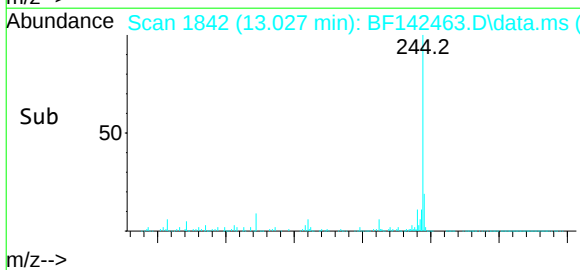
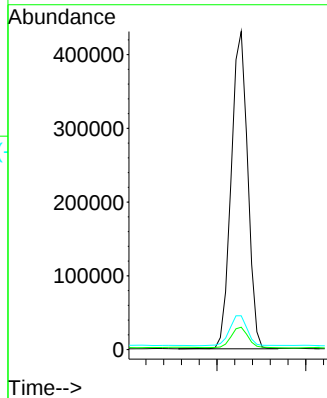
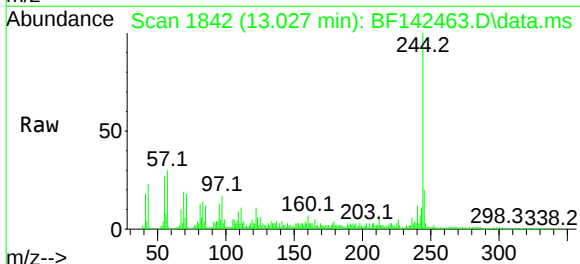
RT: 13.027 min Scan# 1842

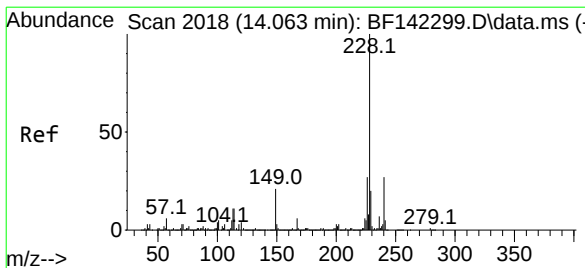
Delta R.T. 0.012 min

Lab File: BF142463.D

Acq: 19 May 2025 20:52

Tgt Ion:	244	Resp:	555467
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.2
122	10.6	9.0	13.4





#81

Benzo(a)anthracene

Concen: 2.047 ng

RT: 14.068 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF142463.D

Acq: 19 May 2025 20:52

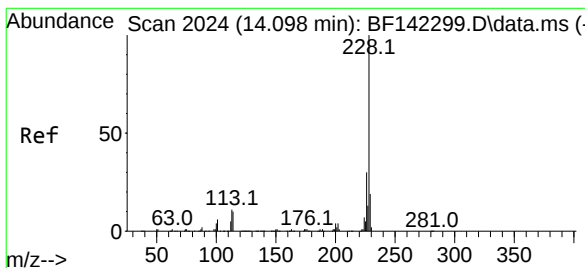
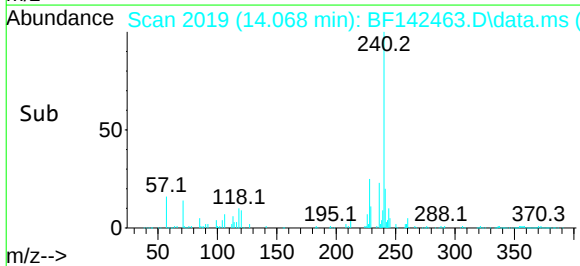
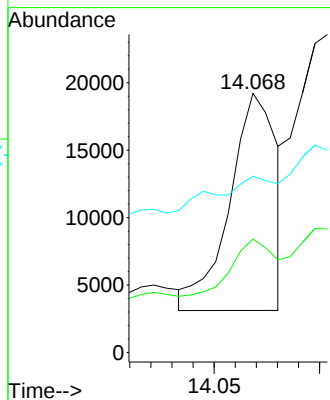
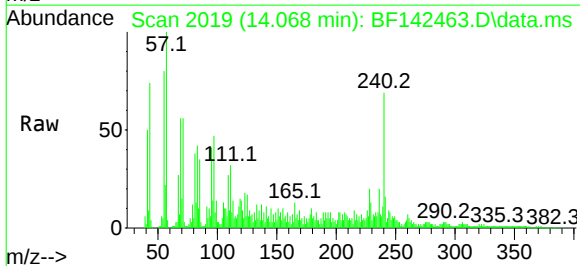
Instrument :

BNA_F

ClientSampleId :

L2-WC-6

Tgt Ion:	228	Resp:	24925
Ion Ratio	Lower	Upper	
228	100		
226	43.8	21.5	32.3#
229	68.0	15.9	23.9#



#83

Chrysene

Concen: 3.349 ng

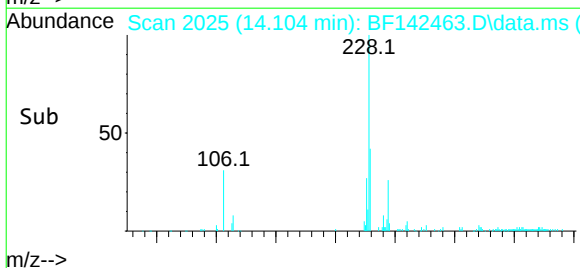
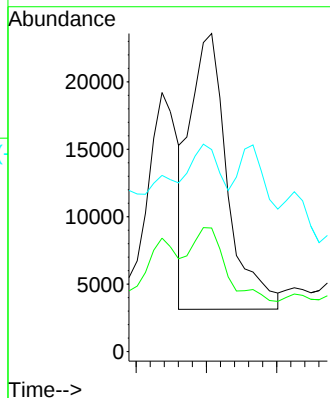
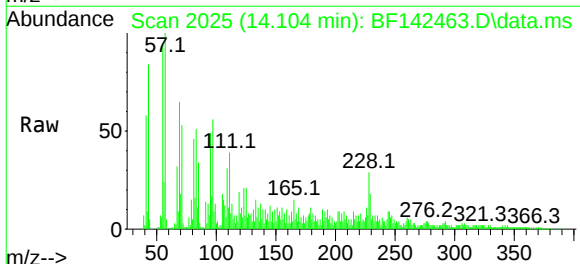
RT: 14.104 min Scan# 2025

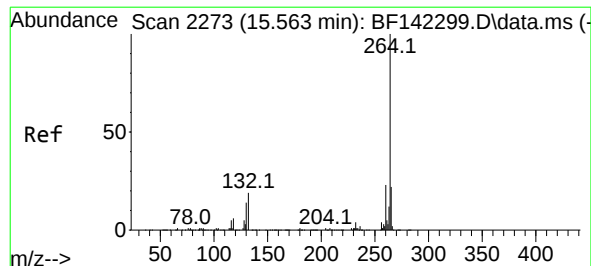
Delta R.T. 0.006 min

Lab File: BF142463.D

Acq: 19 May 2025 20:52

Tgt Ion:	228	Resp:	37948
Ion Ratio	Lower	Upper	
228	100		
226	38.8	23.9	35.9#
229	63.5	15.4	23.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 22

Delta R.T. 0.006 min

Lab File: BF142463.D

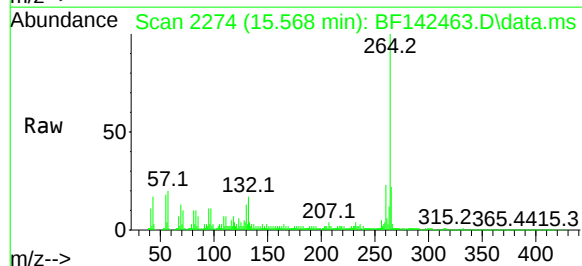
Acq: 19 May 2025 20:52

Instrument :

BNA_F

ClientSampleId :

L2-WC-6



Tgt Ion:264 Resp: 171246

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 21.8 17.5 26.3

