

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141848.D
 Acq On : 05 Mar 2025 17:20
 Operator : RC/JU
 Sample : Q1485-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DN-B-41

Quant Time: Mar 06 00:12:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

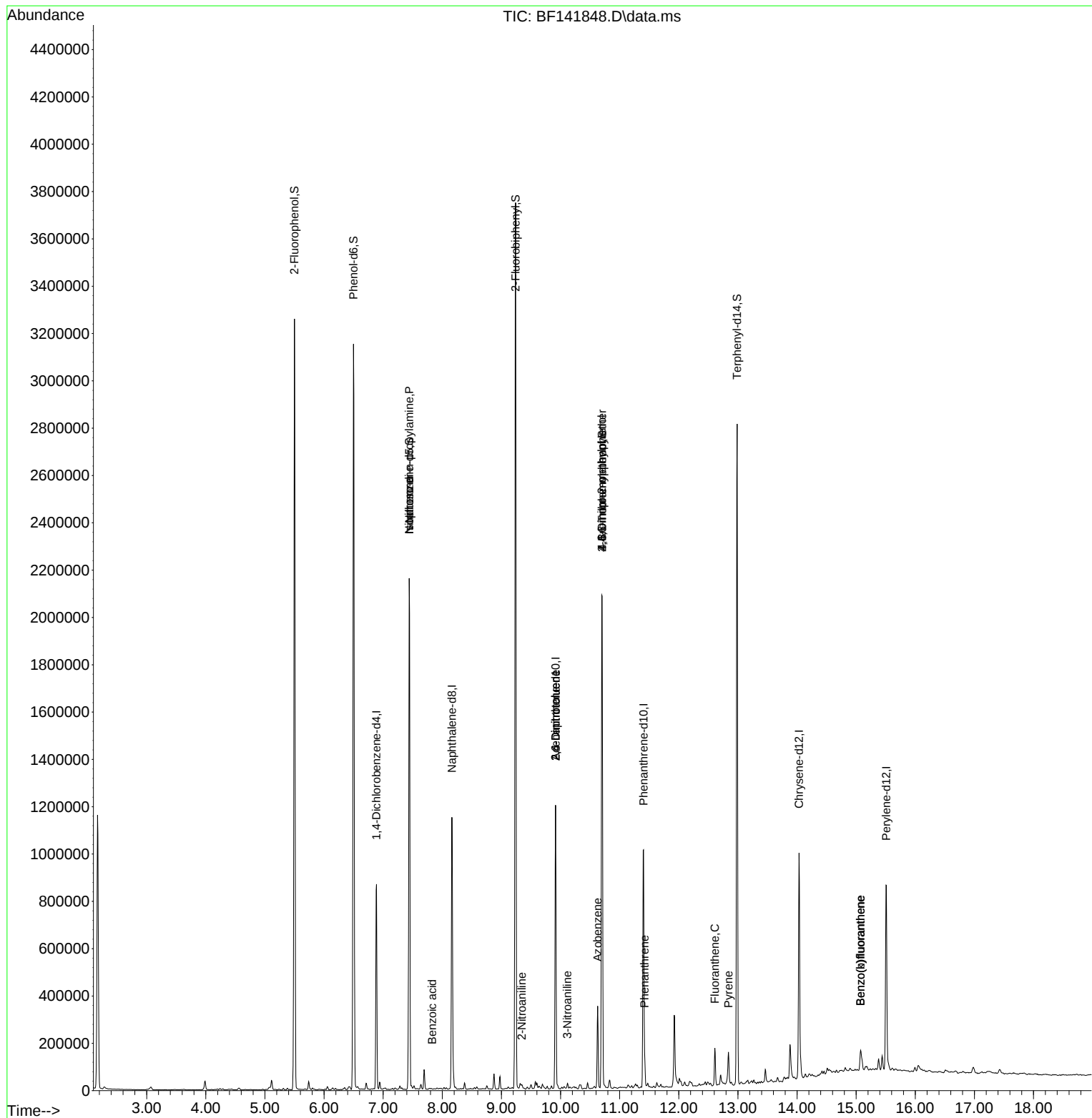
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	184965	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	688845	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	344199	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	520985	20.000	ng	0.00
76) Chrysene-d12	14.033	240	419399	20.000	ng	-0.02
86) Perylene-d12	15.510	264	456966	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1220622	105.388	ng	0.00
7) Phenol-d6	6.498	99	1515049	100.500	ng	-0.01
23) Nitrobenzene-d5	7.440	82	966701	89.703	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	342039	105.848	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1627909	75.836	ng	0.00
79) Terphenyl-d14	12.986	244	1336212	51.547	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	130835	13.203	ng	# 79
25) Isophorone	7.440	82	962764	41.584	ng	# 66
32) Benzoic acid	7.828	122	300	7.726	ng	# 79
48) 2-Nitroaniline	9.345	65	427	4.413	ng	# 6
51) 2,6-Dinitrotoluene	9.916	165	45476	12.534	ng	# 21
53) 3-Nitroaniline	10.116	138	130	2.993	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	45477	11.348	ng	# 20
63) Azobenzene	10.628	77	83471	3.431	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.698	198	1031	8.475	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	23723	3.898	ng	# 1
71) Phenanthrene	11.422	178	59607	2.139	ng	97
75) Fluoranthene	12.610	202	84247	2.950	ng	98
78) Pyrene	12.839	202	76121	2.096	ng	98
88) Benzo(b)fluoranthene	15.074	252	74055	2.379	ng	97
89) Benzo(k)fluoranthene	15.074	252	74055	2.799	ng	97

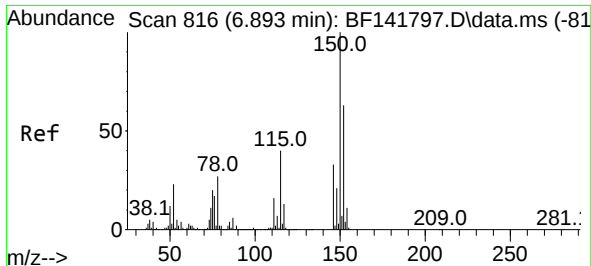
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
Data File : BF141848.D
Acq On : 05 Mar 2025 17:20
Operator : RC/JU
Sample : Q1485-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DN-B-41

Quant Time: Mar 06 00:12:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

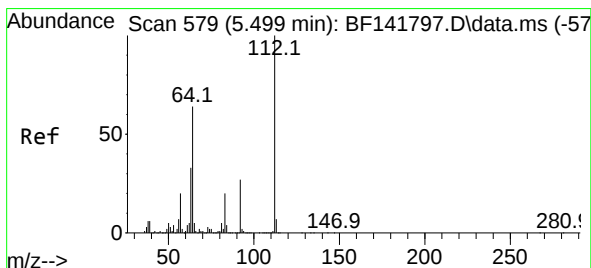
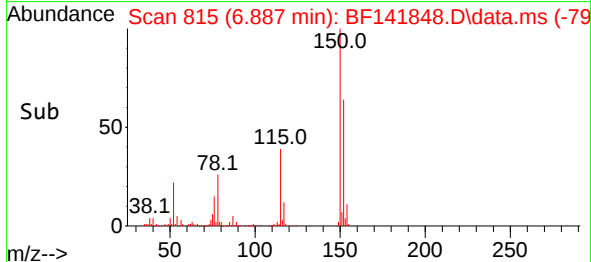
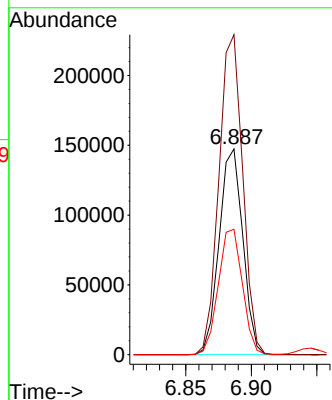
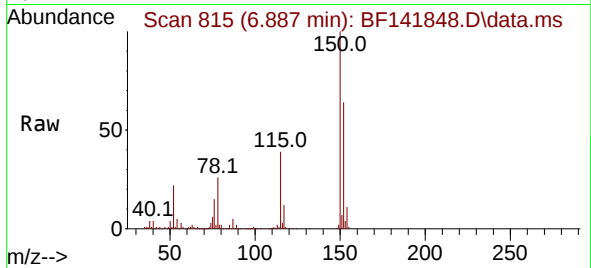




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141848.D
 Acq: 05 Mar 2025 17:20

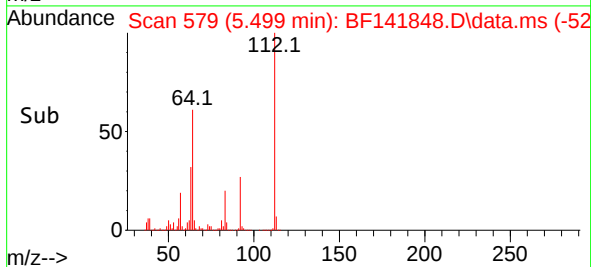
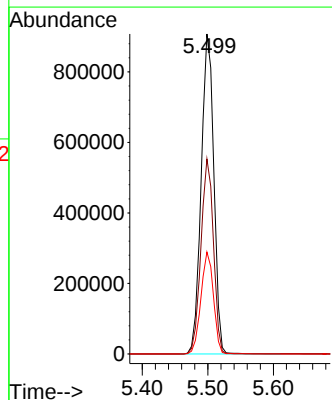
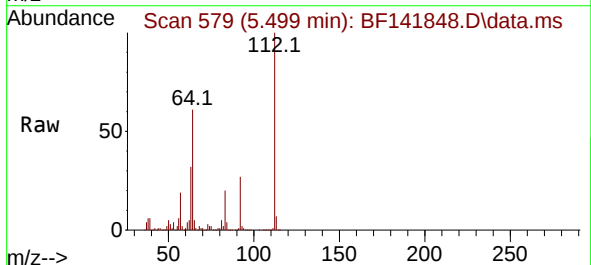
Instrument :
 BNA_F
 ClientSampleId :
 DN-B-41

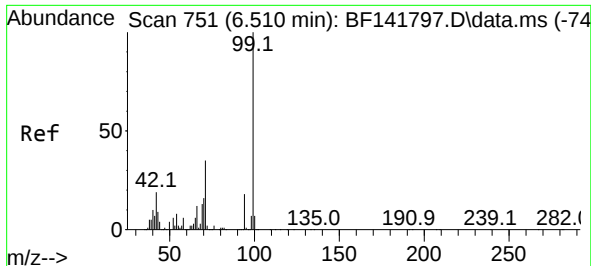
Tgt Ion:152 Resp: 184965
 Ion Ratio Lower Upper
 152 100
 150 155.5 127.5 191.3
 115 60.9 51.4 77.2



#5
 2-Fluorophenol
 Concen: 105.388 ng
 RT: 5.499 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141848.D
 Acq: 05 Mar 2025 17:20

Tgt Ion:112 Resp: 1220622
 Ion Ratio Lower Upper
 112 100
 64 60.9 51.3 76.9
 63 31.9 26.2 39.4

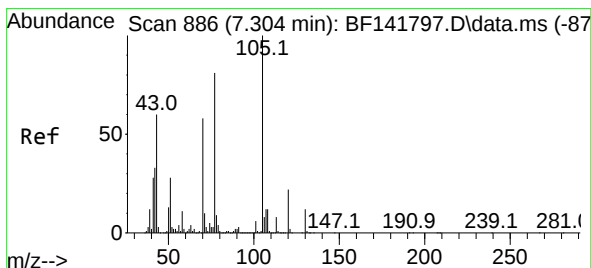
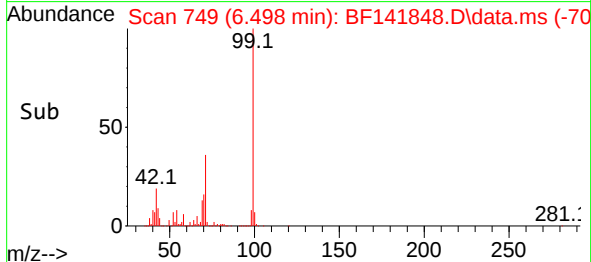
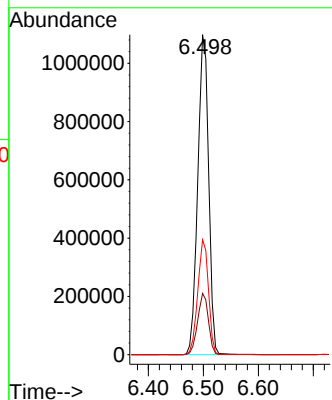
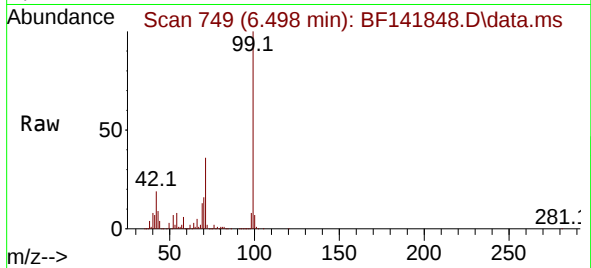




#7
Phenol-d6
Concen: 100.500 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

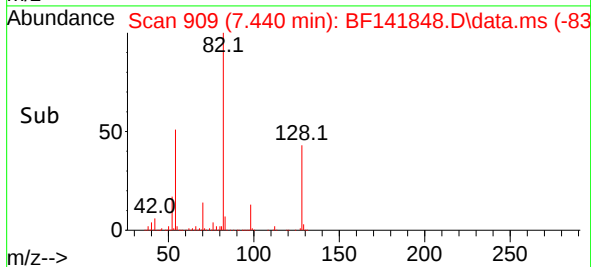
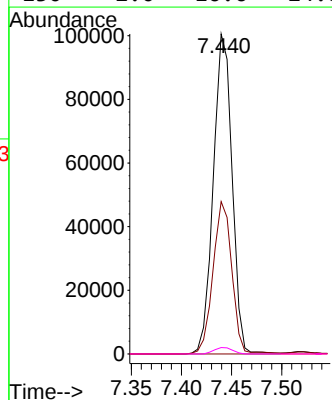
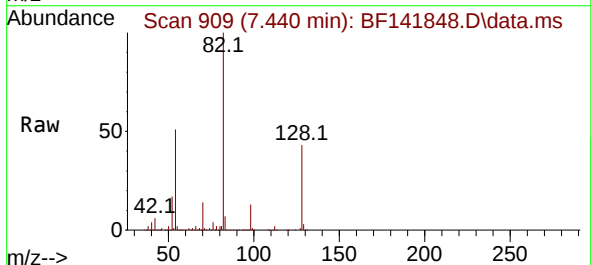
Instrument :
BNA_F
ClientSampleId :
DN-B-41

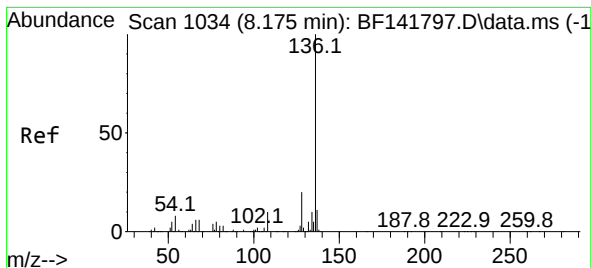
Tgt Ion: 99 Resp: 1515049
Ion Ratio Lower Upper
99 100
42 19.1 15.2 22.8
71 35.9 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.203 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

Tgt Ion: 70 Resp: 130835
Ion Ratio Lower Upper
70 100
42 47.6 45.4 68.0
101 0.0 7.8 11.8#
130 2.0 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141848.D

Acq: 05 Mar 2025 17:20

Instrument :

BNA_F

ClientSampleId :

DN-B-41

Tgt Ion:136 Resp: 688845

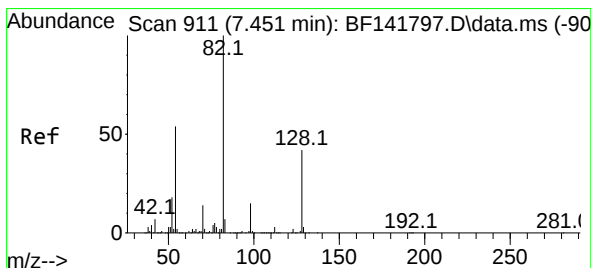
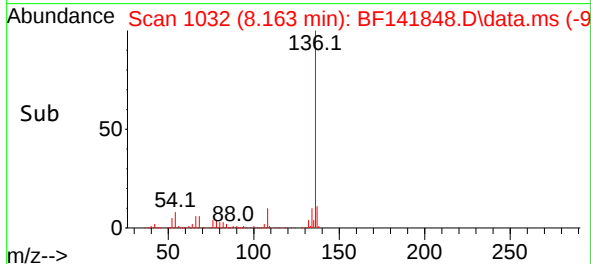
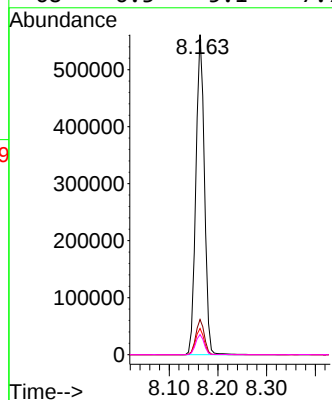
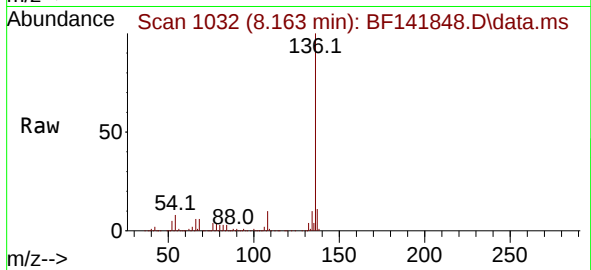
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.2 6.9 10.3

68 6.3 5.1 7.7



#23

Nitrobenzene-d5

Concen: 89.703 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141848.D

Acq: 05 Mar 2025 17:20

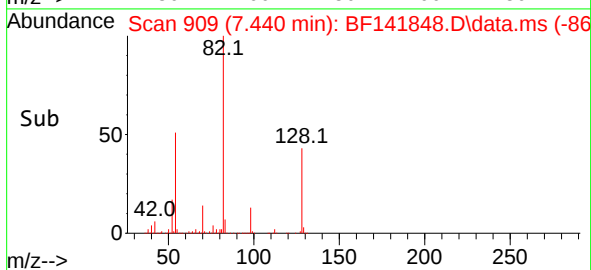
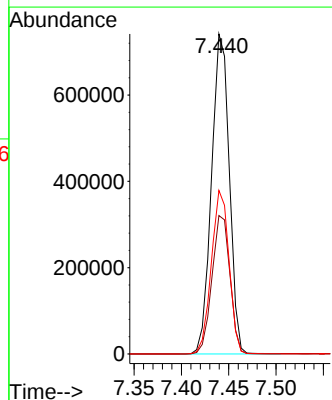
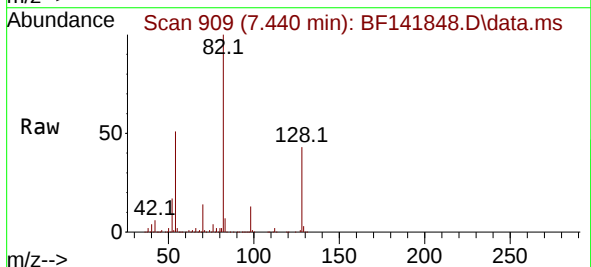
Tgt Ion: 82 Resp: 966701

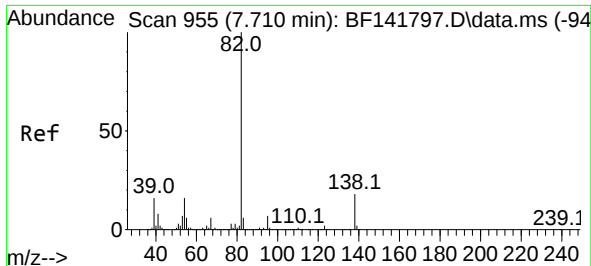
Ion Ratio Lower Upper

82 100

128 43.2 33.5 50.3

54 51.1 42.7 64.1

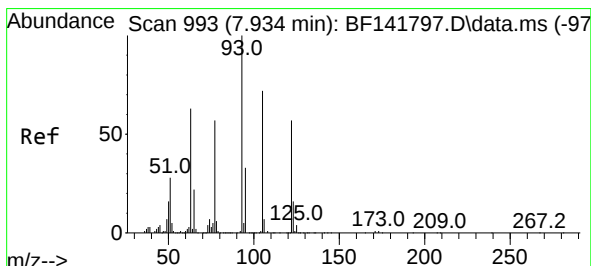
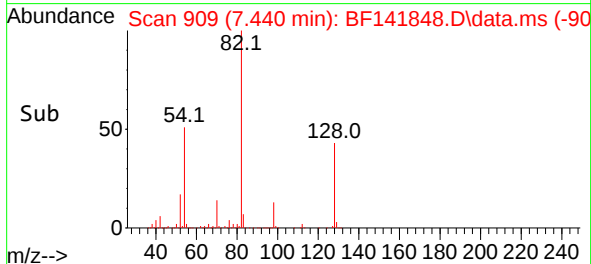
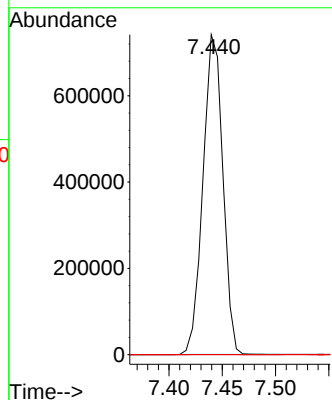
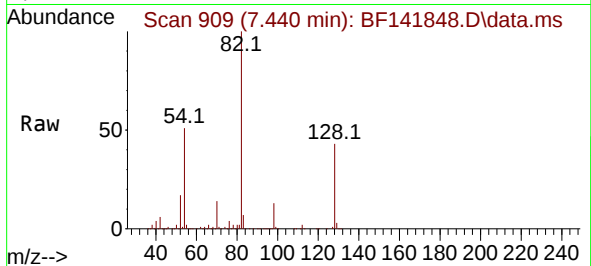




#25
Isophorone
Concen: 41.584 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

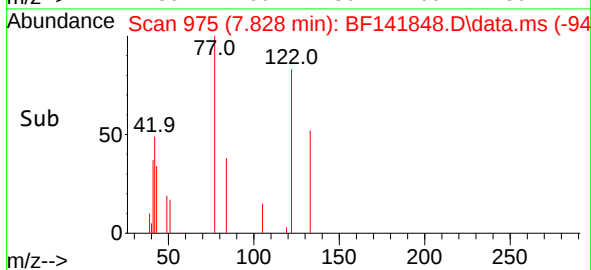
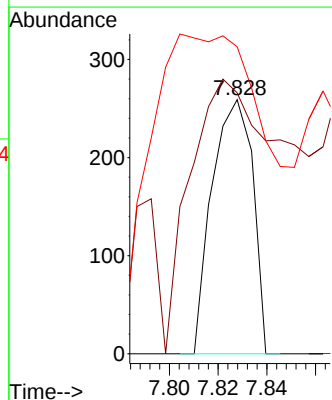
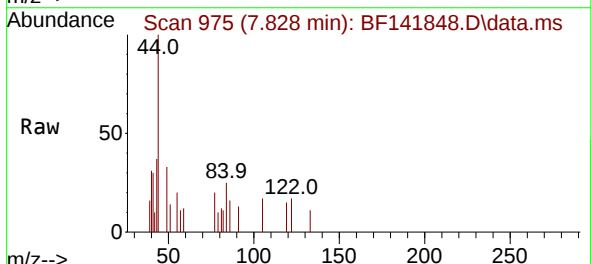
Instrument :
BNA_F
ClientSampleId :
DN-B-41

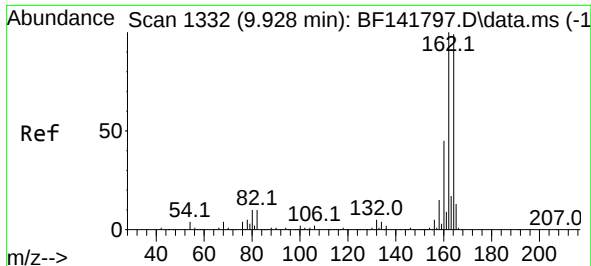
Tgt Ion: 82 Resp: 962764
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.726 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.106 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

Tgt Ion:122 Resp: 300
Ion Ratio Lower Upper
122 100
105 102.7 105.8 145.8#
77 120.8 79.9 119.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141848.D

Acq: 05 Mar 2025 17:20

Instrument :

BNA_F

ClientSampleId :

DN-B-41

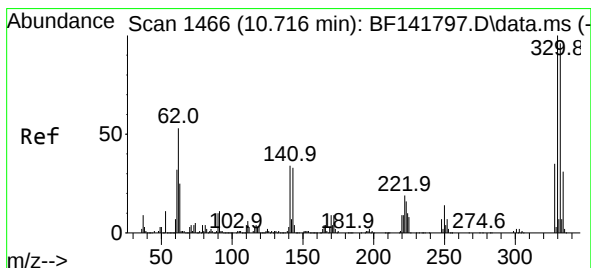
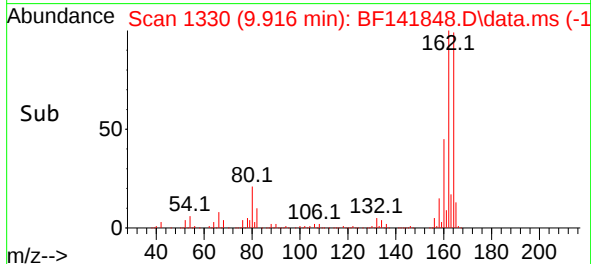
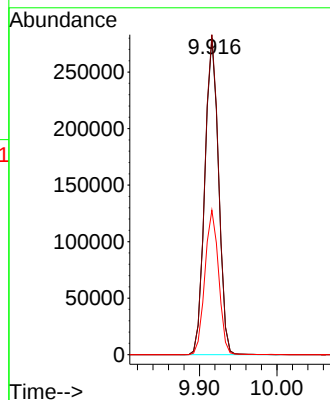
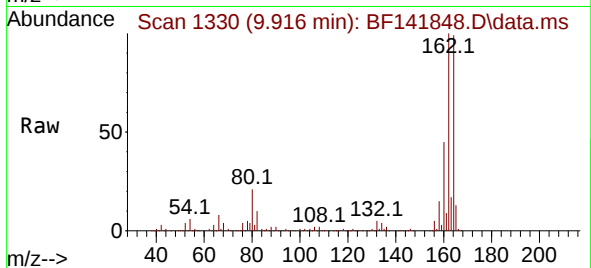
Tgt Ion:164 Resp: 344199

Ion Ratio Lower Upper

164 100

162 101.1 80.6 120.8

160 45.7 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 105.848 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141848.D

Acq: 05 Mar 2025 17:20

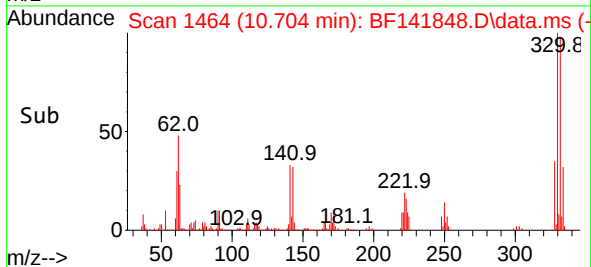
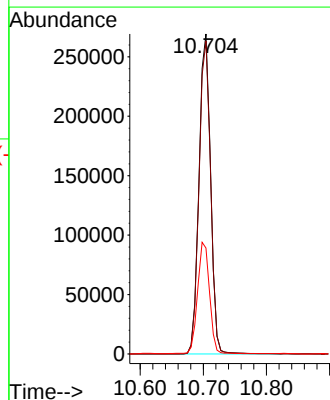
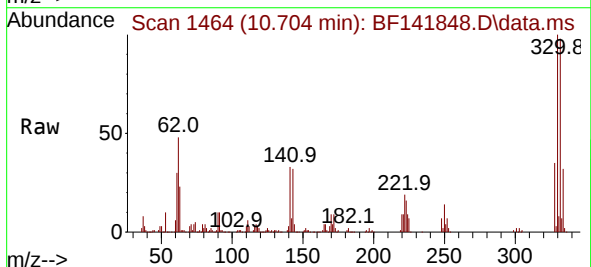
Tgt Ion:330 Resp: 342039

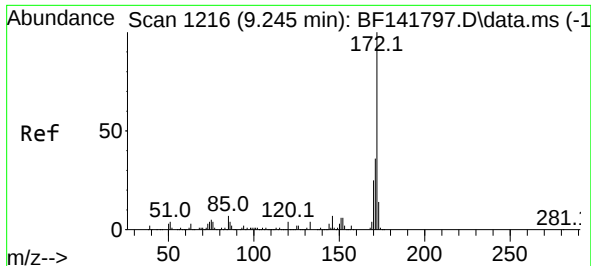
Ion Ratio Lower Upper

330 100

332 97.8 76.6 115.0

141 35.9 29.0 43.4

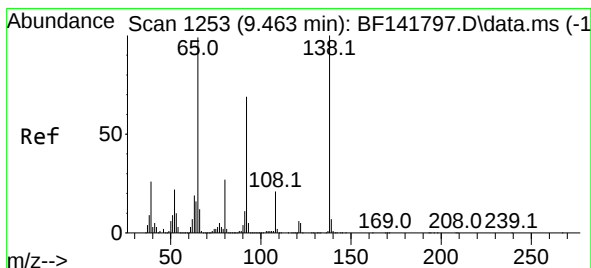
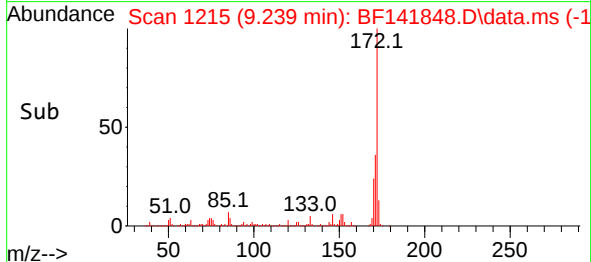
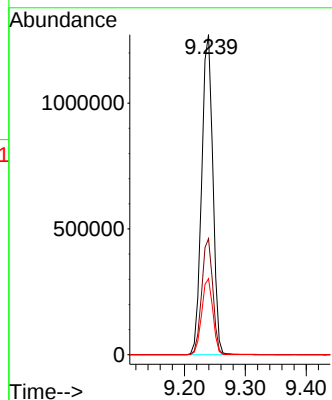
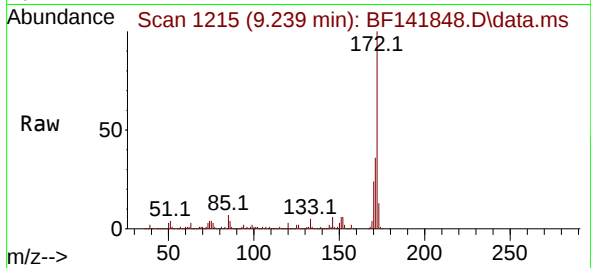




#45
2-Fluorobiphenyl
Concen: 75.836 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

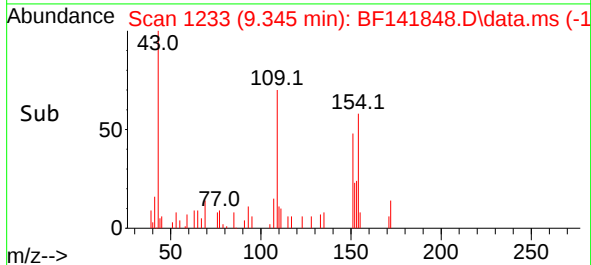
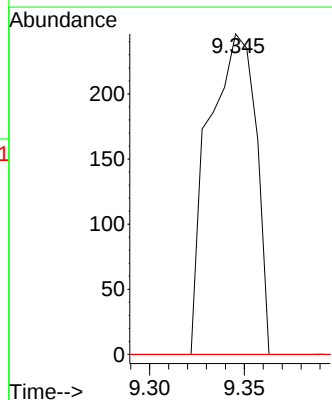
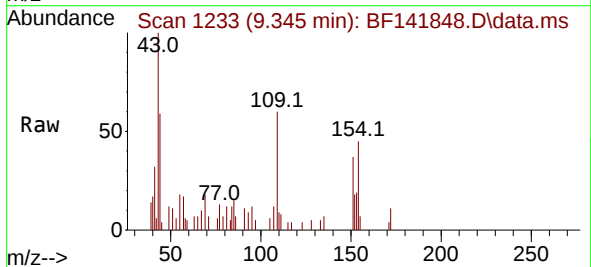
Instrument :
BNA_F
ClientSampleId :
DN-B-41

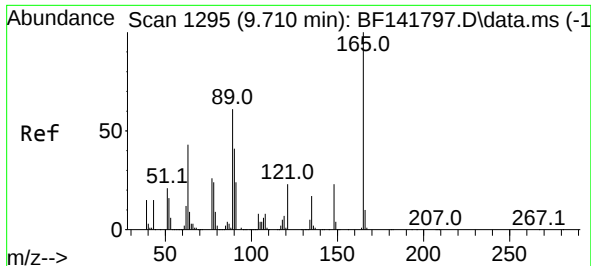
Tgt Ion:172 Resp: 1627909
Ion Ratio Lower Upper
172 100
171 36.3 29.2 43.8
170 23.8 19.7 29.5



#48
2-Nitroaniline
Concen: 4.413 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.118 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

Tgt Ion: 65 Resp: 427
Ion Ratio Lower Upper
65 100
92 0.0 55.7 83.5#
138 0.0 80.6 121.0#

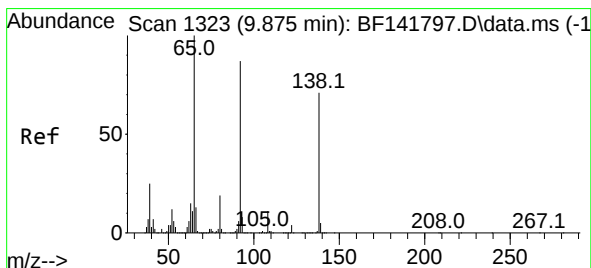
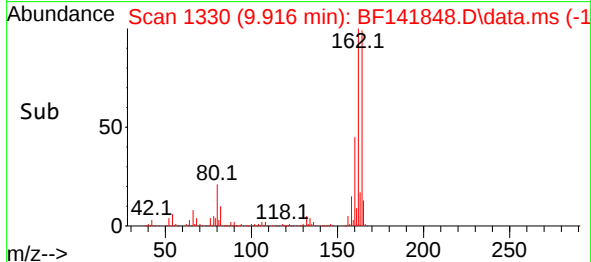
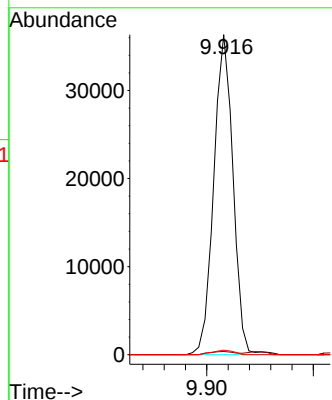
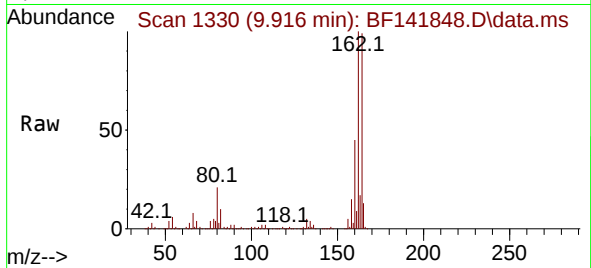




#51
2,6-Dinitrotoluene
Concen: 12.534 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

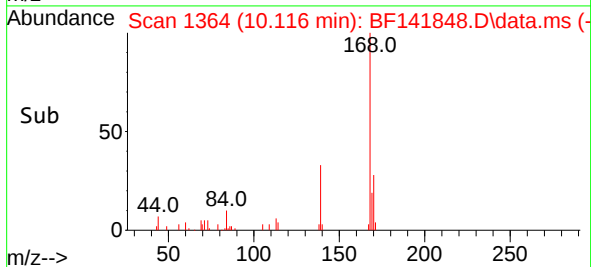
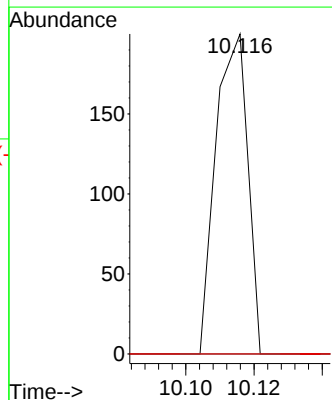
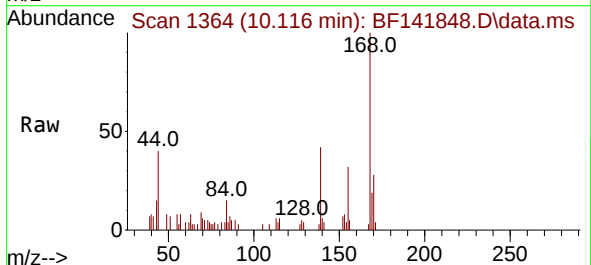
Instrument :
BNA_F
ClientSampleId :
DN-B-41

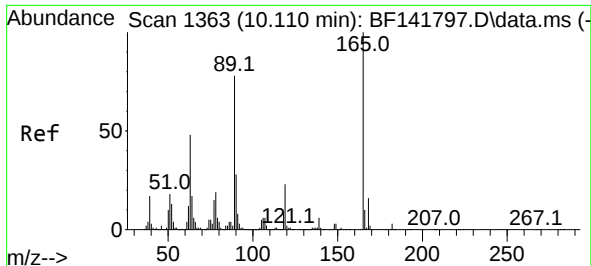
Tgt Ion:165 Resp: 45476
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 1.4 49.0 73.4#



#53
3-Nitroaniline
Concen: 2.993 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.241 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

Tgt Ion:138 Resp: 130
Ion Ratio Lower Upper
138 100
108 0.0 12.7 19.1#
92 0.0 97.9 146.9#

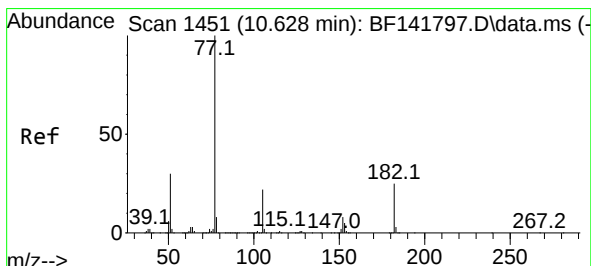
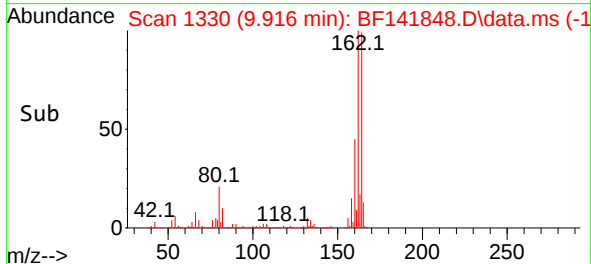
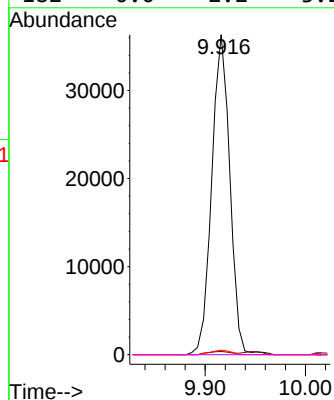
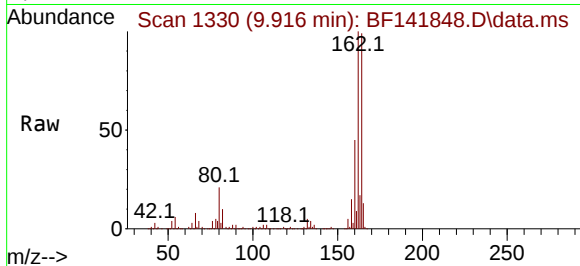




#57
2,4-Dinitrotoluene
Concen: 11.348 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

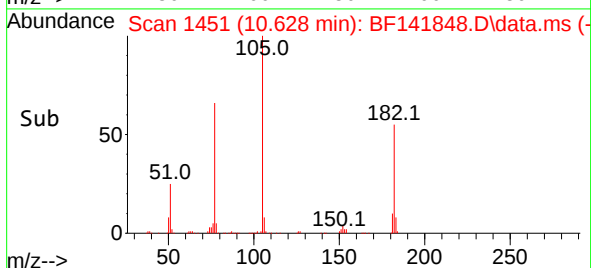
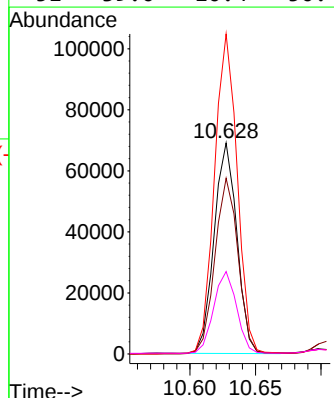
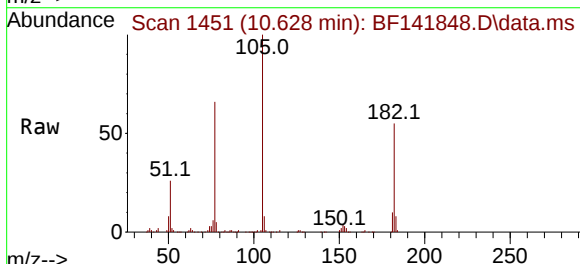
Instrument :
BNA_F
ClientSampleId :
DN-B-41

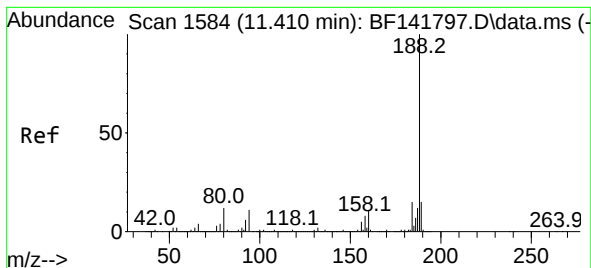
Tgt Ion:165 Resp: 45477
Ion Ratio Lower Upper
165 100
63 1.0 38.8 58.2#
89 1.4 62.6 94.0#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 3.431 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

Tgt Ion: 77 Resp: 83471
Ion Ratio Lower Upper
77 100
182 83.3 4.2 44.2#
105 151.7 1.5 41.5#
51 39.0 10.4 50.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141848.D

Acq: 05 Mar 2025 17:20

Instrument :

BNA_F

ClientSampleId :

DN-B-41

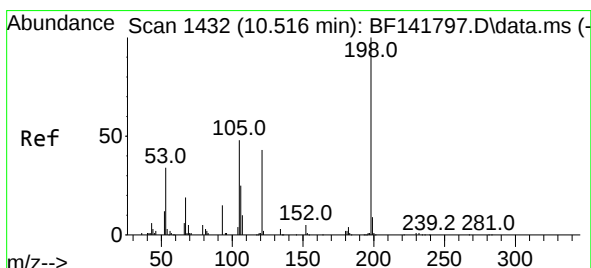
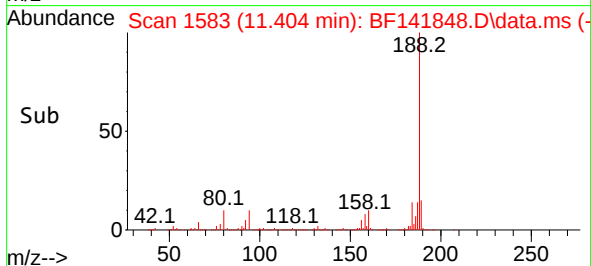
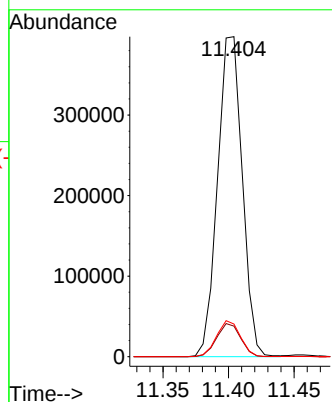
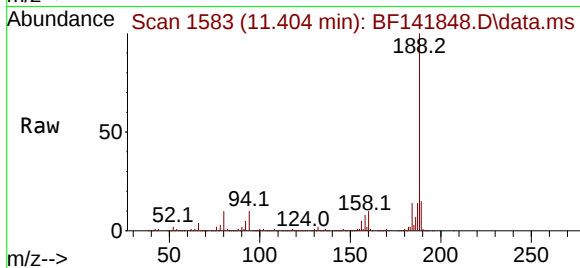
Tgt Ion:188 Resp: 520985

Ion Ratio Lower Upper

188 100

94 9.6 8.9 13.3

80 10.2 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.475 ng

RT: 10.698 min Scan# 1463

Delta R.T. 0.182 min

Lab File: BF141848.D

Acq: 05 Mar 2025 17:20

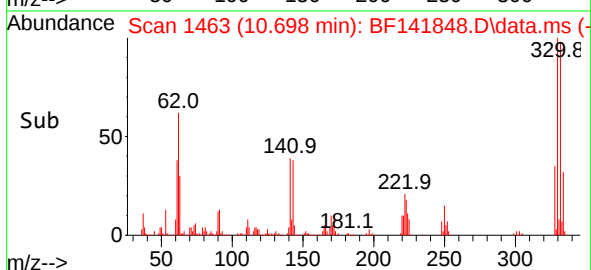
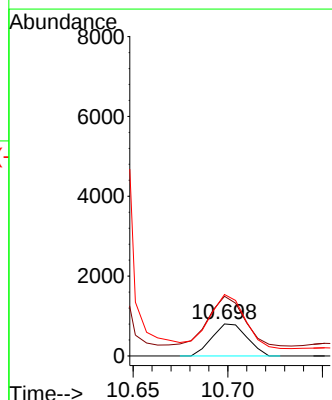
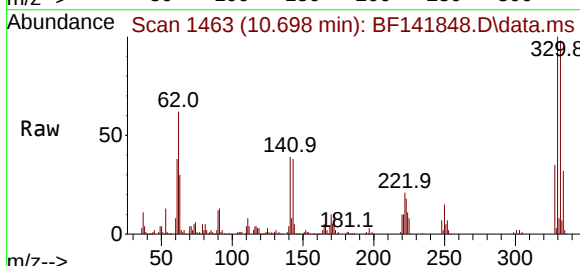
Tgt Ion:198 Resp: 1031

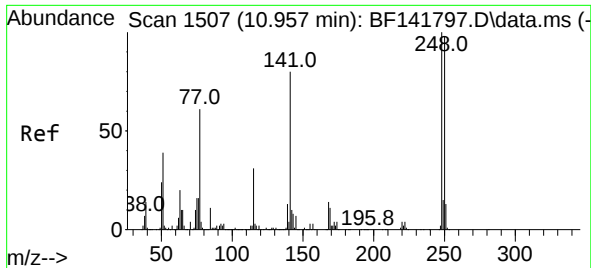
Ion Ratio Lower Upper

198 100

51 186.5 32.1 72.1#

105 192.1 28.5 68.5#

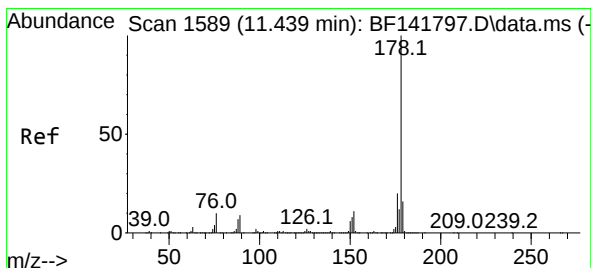
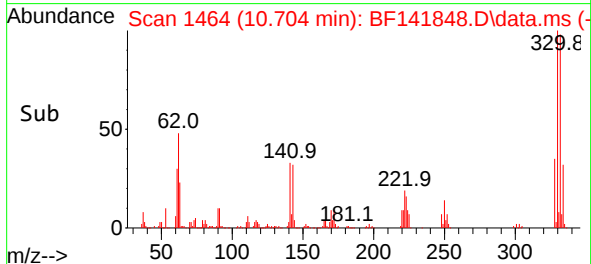
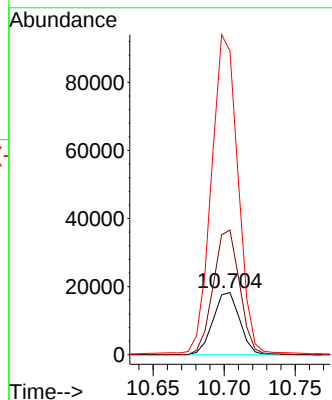
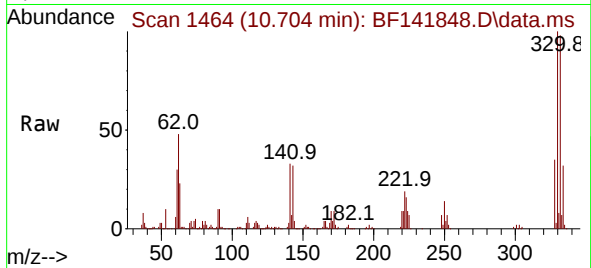




#67
4-Bromophenyl-phenylether
Concen: 3.898 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

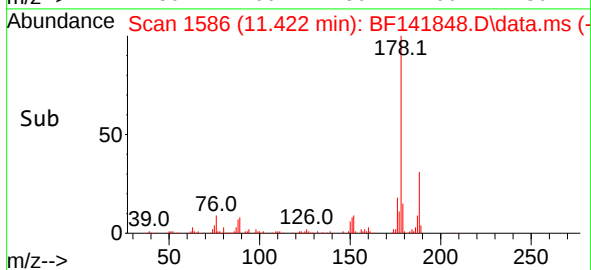
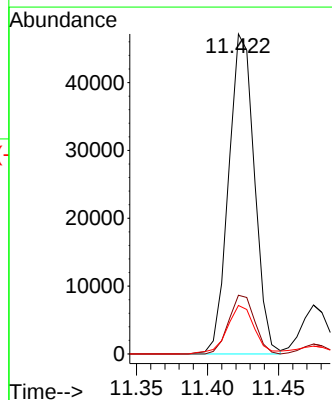
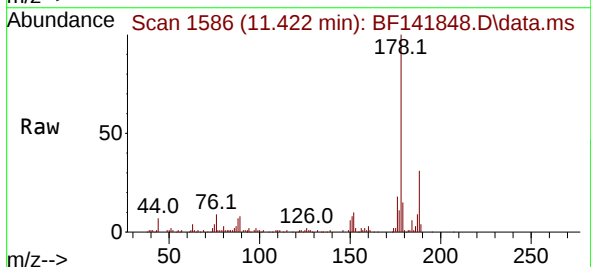
Instrument :
BNA_F
ClientSampleId :
DN-B-41

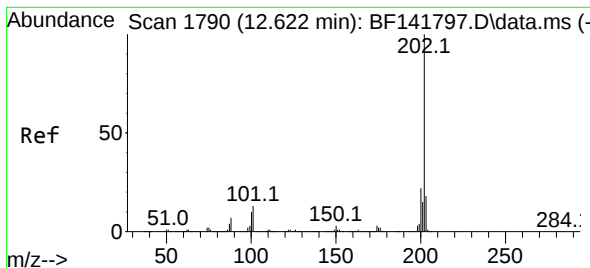
Tgt Ion:248 Resp: 23723
Ion Ratio Lower Upper
248 100
250 200.7 78.1 117.1#
141 488.6 64.3 96.5#



#71
Phenanthrene
Concen: 2.139 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.018 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

Tgt Ion:178 Resp: 59607
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.2 12.6 19.0





#75

Fluoranthene

Concen: 2.950 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.012 min

Lab File: BF141848.D

Acq: 05 Mar 2025 17:20

Instrument :

BNA_F

ClientSampleId :

DN-B-41

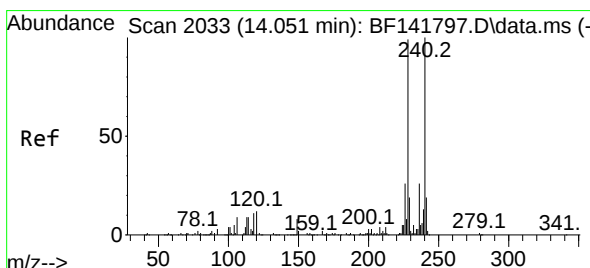
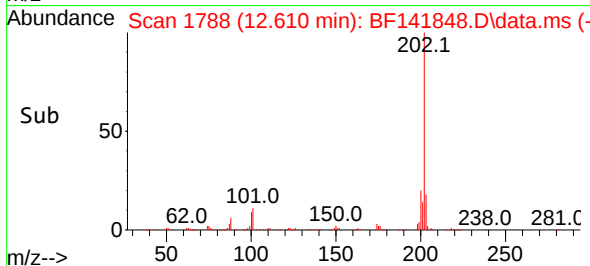
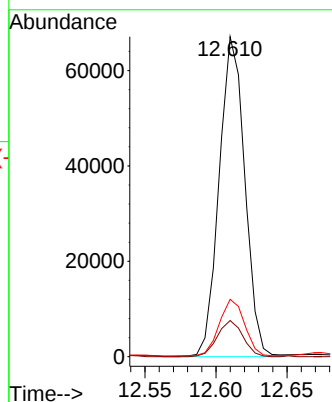
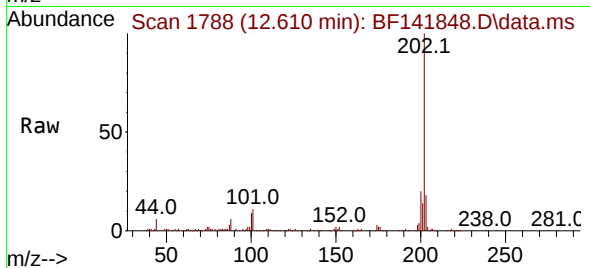
Tgt Ion:202 Resp: 84247

Ion Ratio Lower Upper

202 100

101 11.3 0.0 32.8

203 17.9 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.018 min

Lab File: BF141848.D

Acq: 05 Mar 2025 17:20

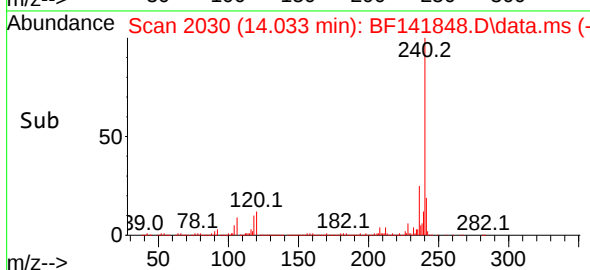
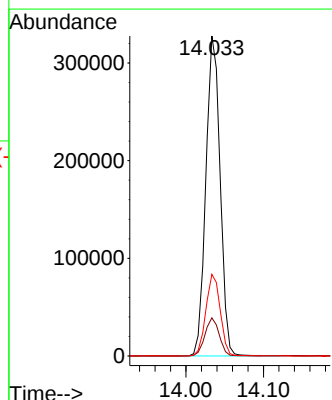
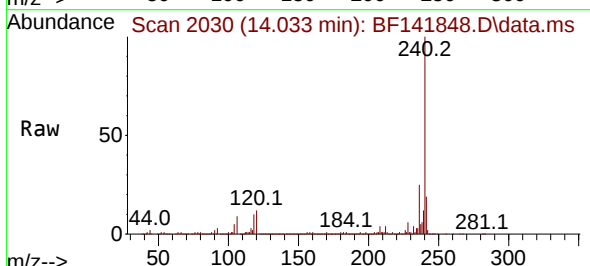
Tgt Ion:240 Resp: 419399

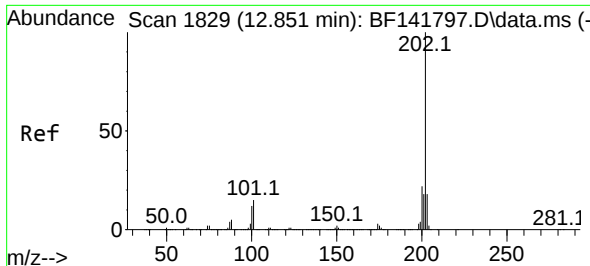
Ion Ratio Lower Upper

240 100

120 11.9 9.7 14.5

236 25.5 21.0 31.4

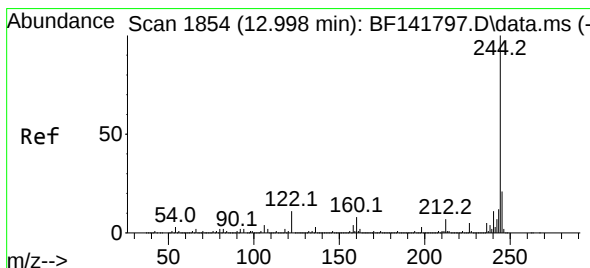
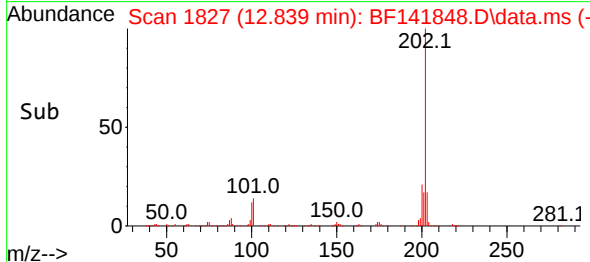
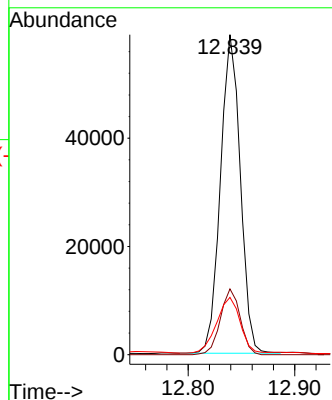
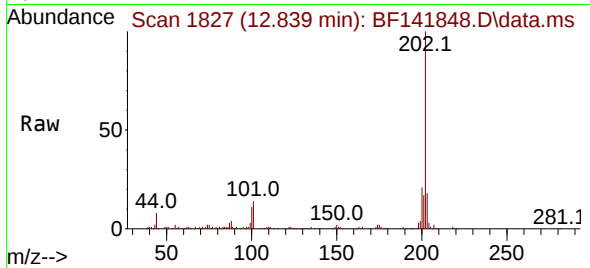




#78
Pyrene
Concen: 2.096 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

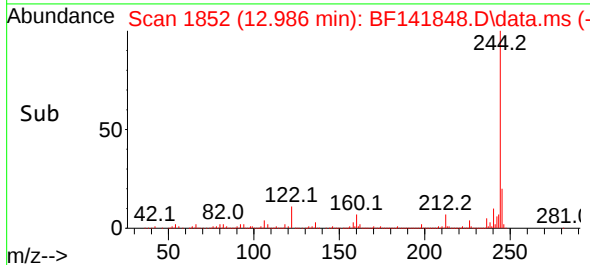
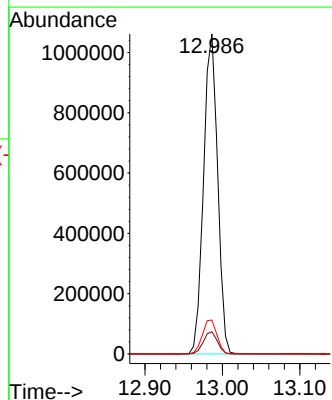
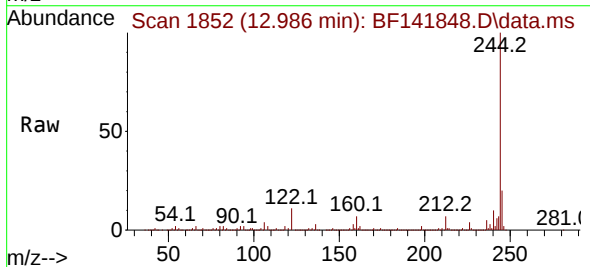
Instrument :
BNA_F
ClientSampleId :
DN-B-41

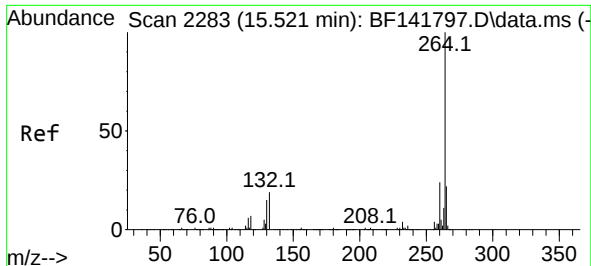
Tgt Ion:	202	Resp:	76121
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.0
203	17.9	14.6	22.0



#79
Terphenyl-d14
Concen: 51.547 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

Tgt Ion:	244	Resp:	1336212
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	10.6	9.0	13.6

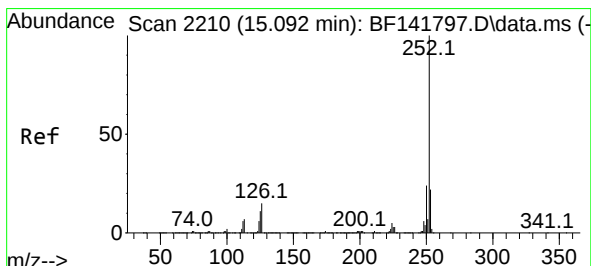
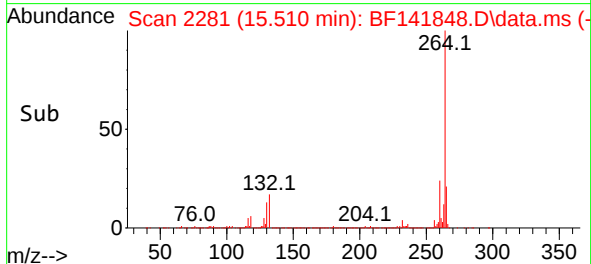
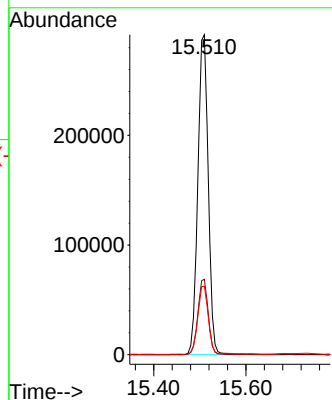
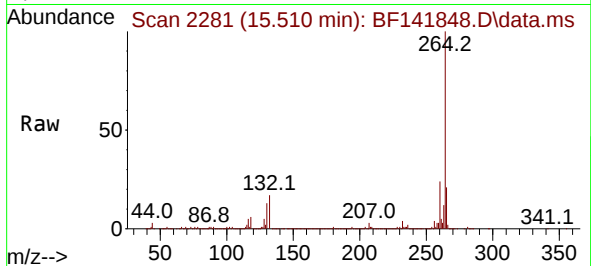




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

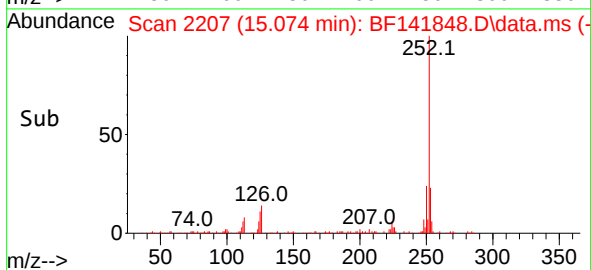
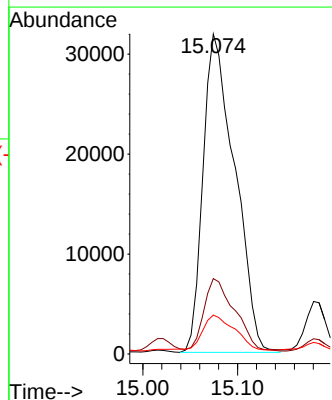
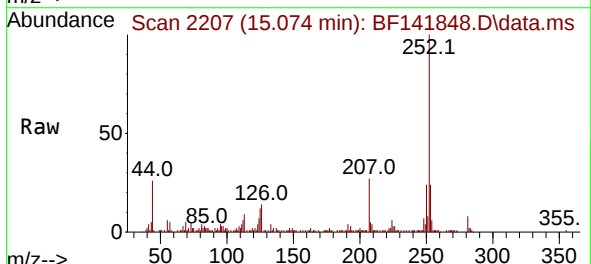
Instrument :
BNA_F
ClientSampleId :
DN-B-41

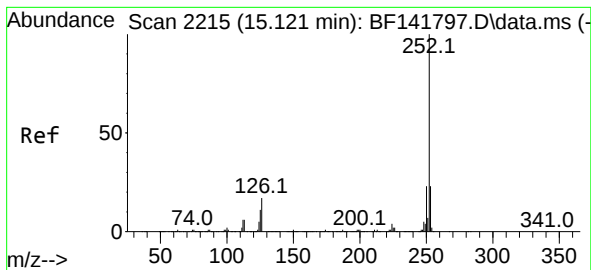
Tgt Ion:264 Resp: 456966
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 21.4 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 2.379 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.018 min
Lab File: BF141848.D
Acq: 05 Mar 2025 17:20

Tgt Ion:252 Resp: 74055
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 12.1 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 2.799 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF141848.D

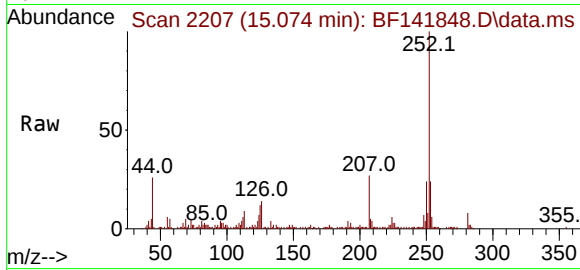
Acq: 05 Mar 2025 17:20

Instrument :

BNA_F

ClientSampleId :

DN-B-41



Tgt Ion:252 Resp: 74055

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 12.1 8.8 13.2

