

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143243.D
 Acq On : 24 Jul 2025 19:53
 Operator : RC/JU
 Sample : Q2677-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-07222025

Quant Time: Jul 25 01:19:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

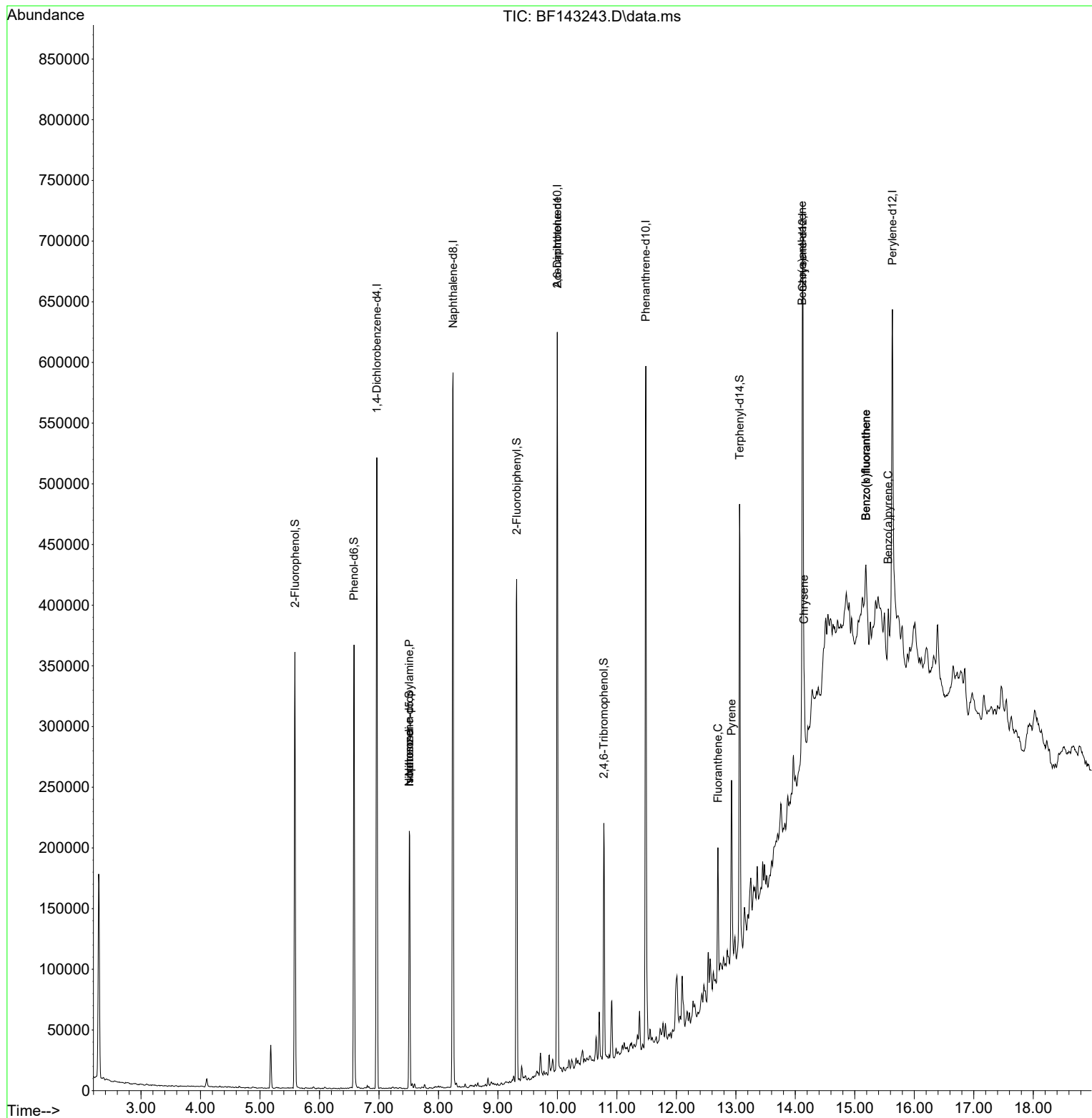
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	105479	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	364362	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	174275	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	283061	20.000	ng	0.00
76) Chrysene-d12	14.121	240	204484	20.000	ng	0.00
86) Perylene-d12	15.633	264	151771	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	123987	18.601	ng	0.00
7) Phenol-d6	6.581	99	152491	18.176	ng	0.00
23) Nitrobenzene-d5	7.510	82	91138	12.468	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	30030	16.680	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	179328	14.073	ng	0.00
79) Terphenyl-d14	13.063	244	171939	12.513	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.510	70	11348	2.108	ng	# 84
25) Isophorone	7.510	82	90069	6.980	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	22476	9.726	ng	# 22
75) Fluoranthene	12.698	202	57071	4.137	ng	99
78) Pyrene	12.927	202	83896	4.807	ng	99
81) Benzo(a)anthracene	14.115	228	35115	2.565	ng	# 87
83) Chrysene	14.145	228	34631	2.814	ng	# 93
88) Benzo(b)fluoranthene	15.186	252	36292	3.914	ng	# 72
89) Benzo(k)fluoranthene	15.186	252	36292	4.386	ng	# 73
90) Benzo(a)pyrene	15.562	252	22910	2.682	ng	# 81

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
Data File : BF143243.D
Acq On : 24 Jul 2025 19:53
Operator : RC/JU
Sample : Q2677-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-07222025

Quant Time: Jul 25 01:19:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

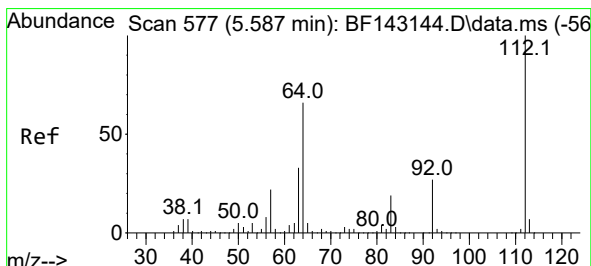
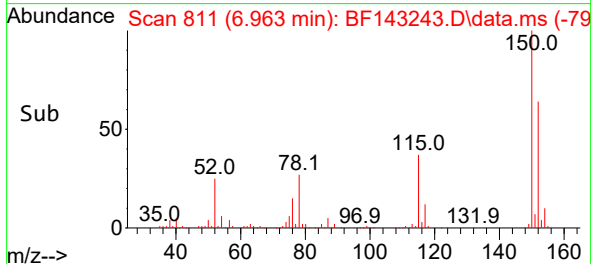
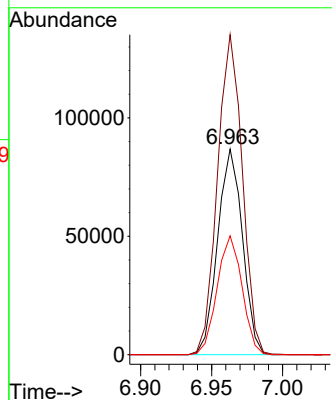
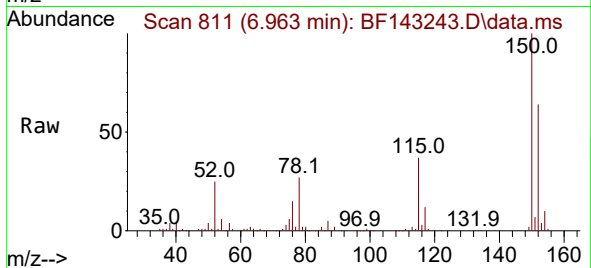




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

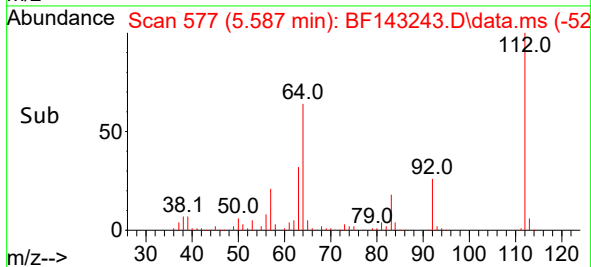
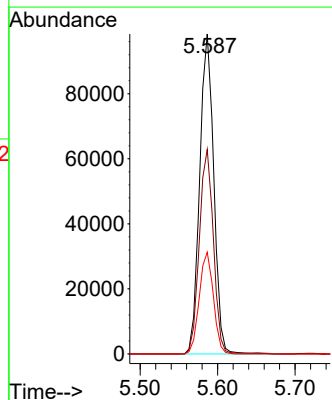
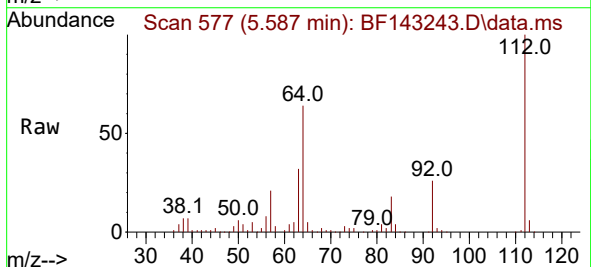
Instrument :
BNA_F
ClientSampleId :
OK-02-07222025

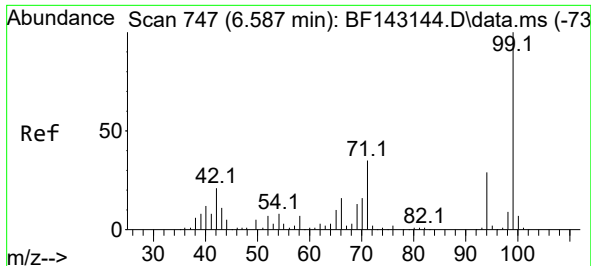
Tgt Ion:152 Resp: 105479
Ion Ratio Lower Upper
152 100
150 155.7 128.2 192.4
115 57.8 47.9 71.9



#5
2-Fluorophenol
Concen: 18.601 ng
RT: 5.587 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

Tgt Ion:112 Resp: 123987
Ion Ratio Lower Upper
112 100
64 63.9 53.1 79.7
63 31.8 26.6 40.0

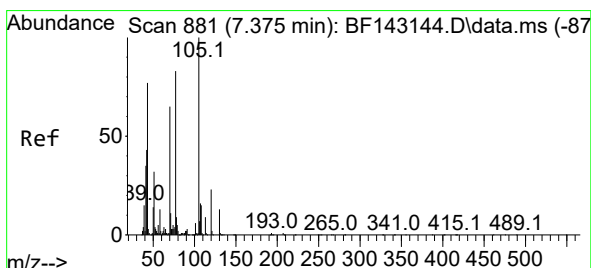
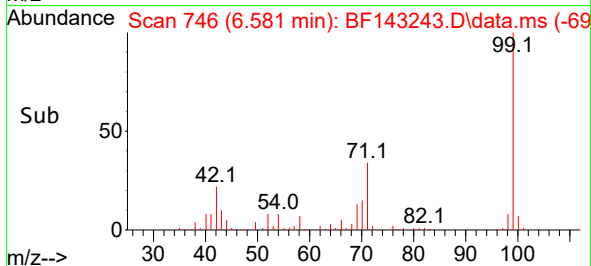
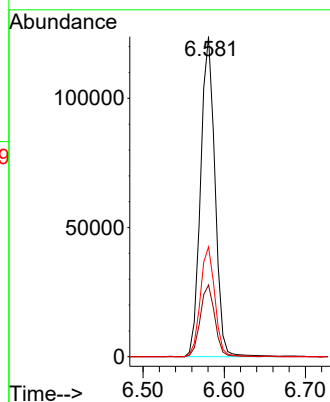
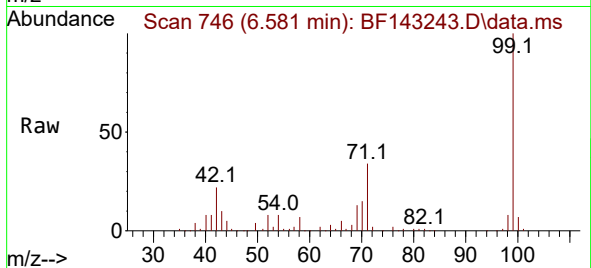




#7
Phenol-d6
Concen: 18.176 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

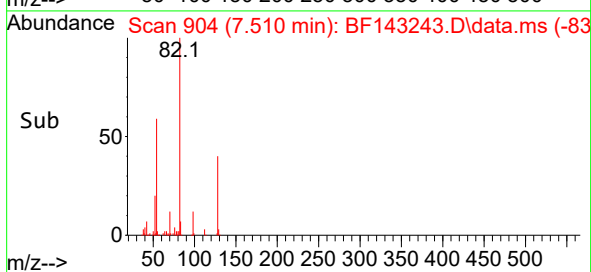
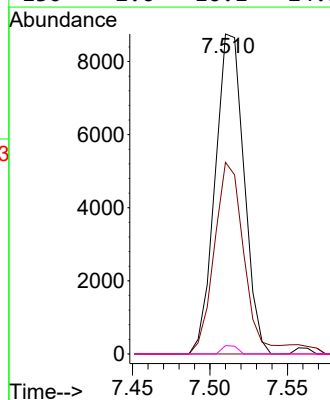
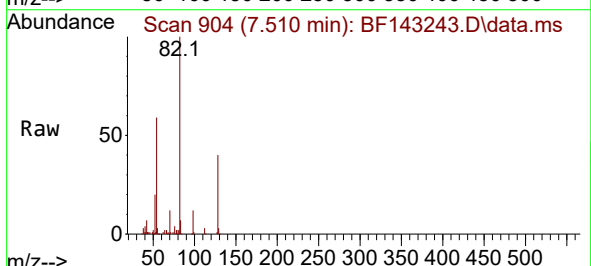
Instrument :
BNA_F
ClientSampleId :
OK-02-07222025

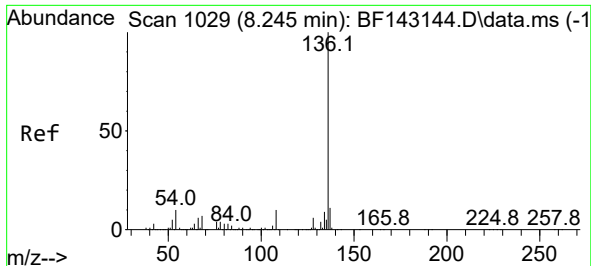
Tgt Ion: 99 Resp: 152491
Ion Ratio Lower Upper
99 100
42 22.4 17.0 25.6
71 34.3 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.108 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

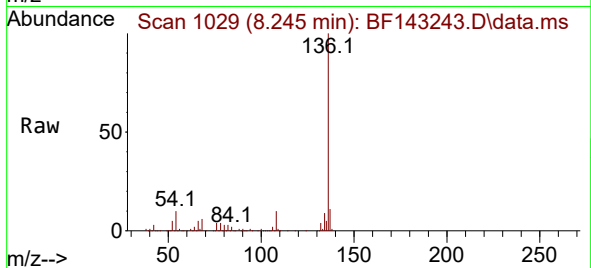
Tgt Ion: 70 Resp: 11348
Ion Ratio Lower Upper
70 100
42 59.9 52.5 78.7
101 0.0 7.6 11.4#
130 2.6 16.1 24.1#





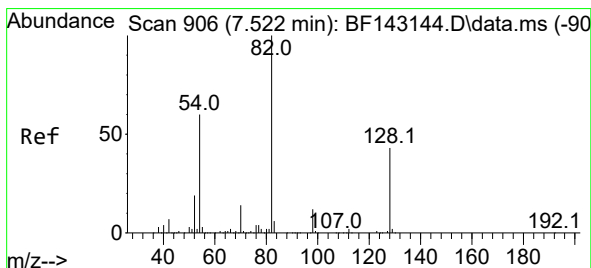
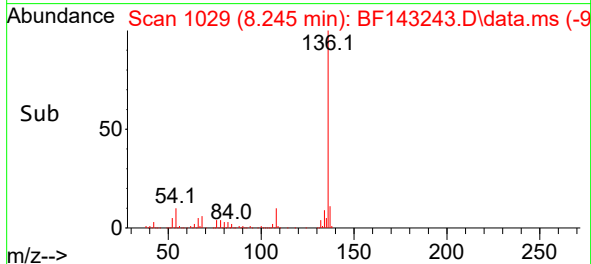
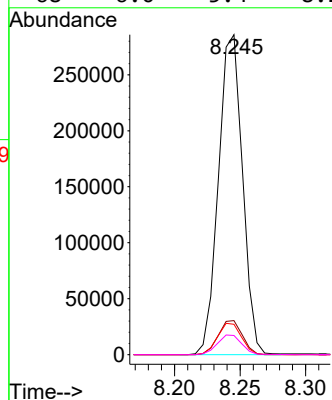
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

Instrument :
BNA_F
ClientSampleId :
OK-02-07222025



Tgt Ion:136 Resp: 364362

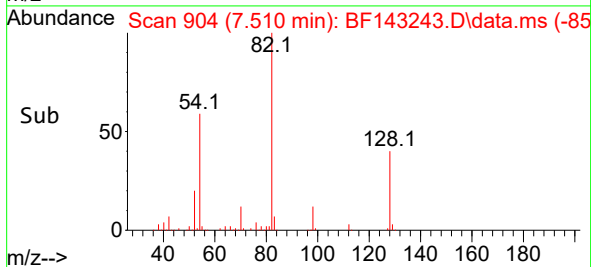
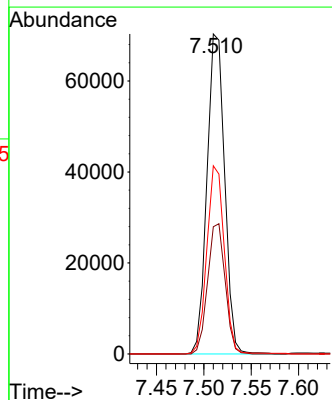
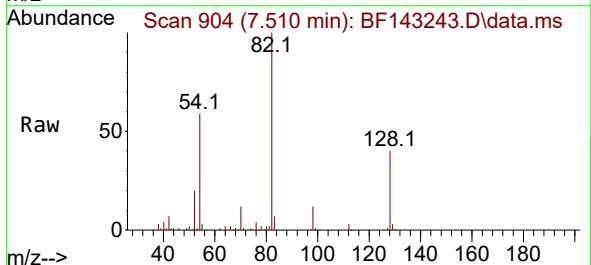
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.5	8.2	12.2
68	6.0	5.4	8.2

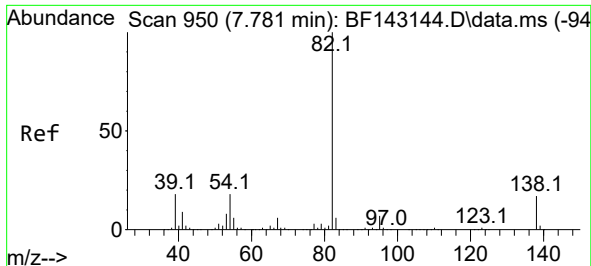


#23
Nitrobenzene-d5
Concen: 12.468 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

Tgt Ion: 82 Resp: 91138

Ion	Ratio	Lower	Upper
82	100		
128	39.7	33.6	50.4
54	58.8	47.1	70.7

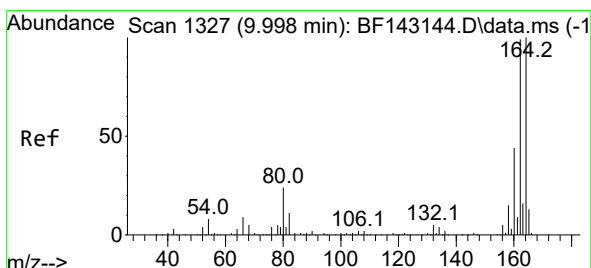
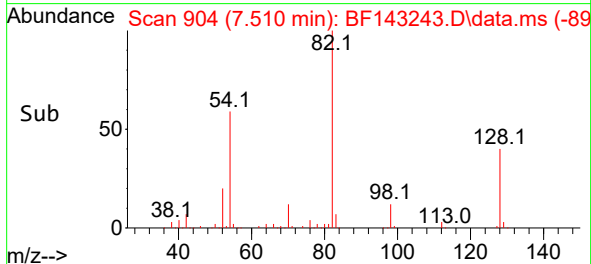
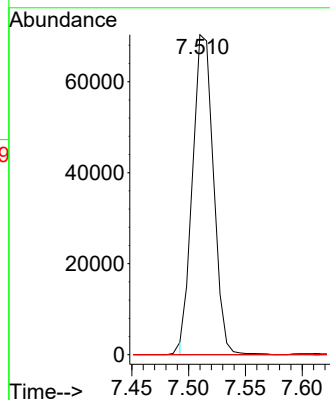
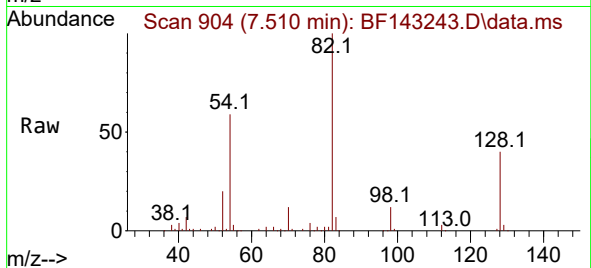




#25
Isophorone
Concen: 6.980 ng
RT: 7.510 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

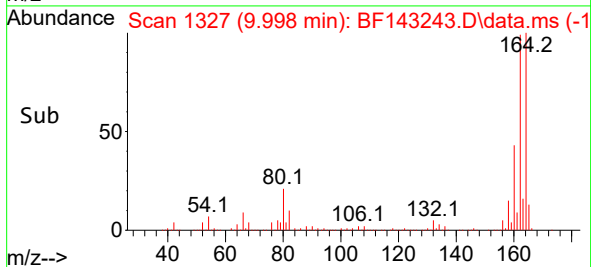
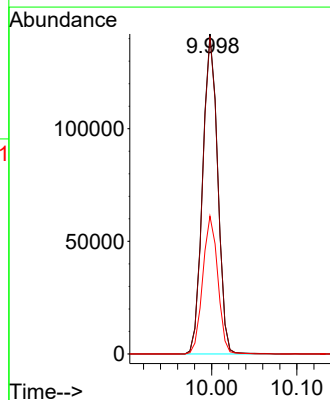
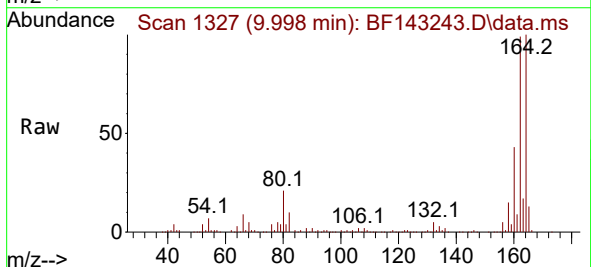
Instrument :
BNA_F
ClientSampleId :
OK-02-07222025

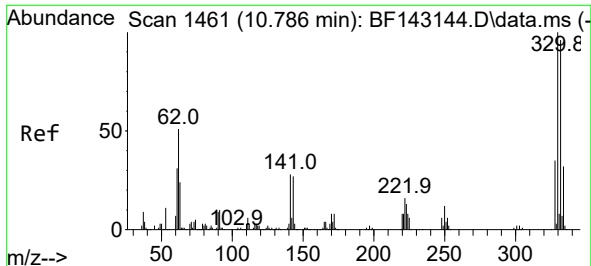
Tgt Ion: 82 Resp: 90069
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

Tgt Ion:164 Resp: 174275
Ion Ratio Lower Upper
164 100
162 99.2 79.0 118.6
160 43.0 35.1 52.7

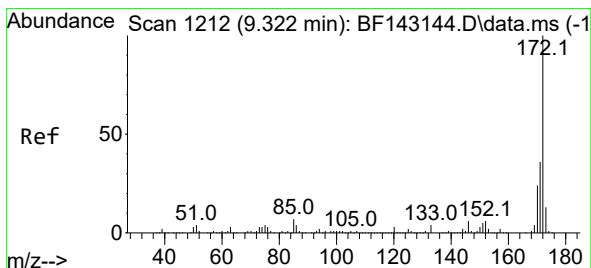
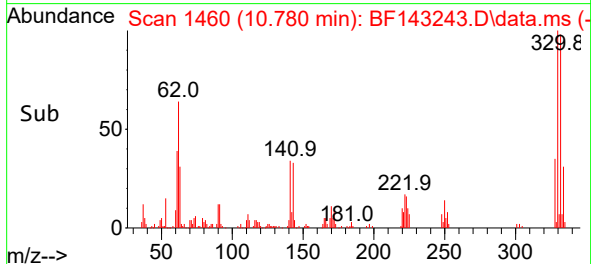
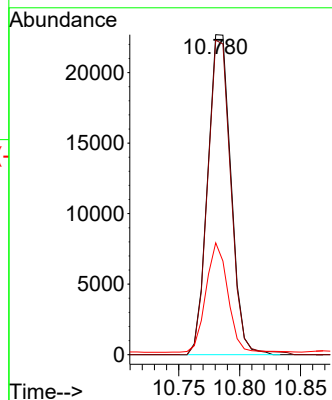
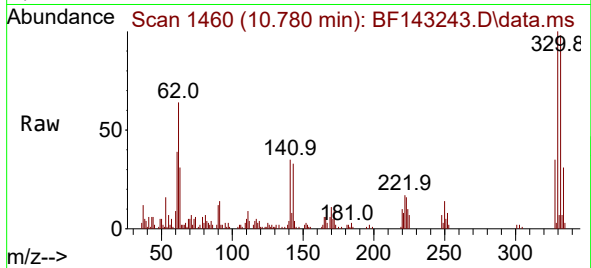




#42
2,4,6-Tribromophenol
Concen: 16.680 ng
RT: 10.780 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

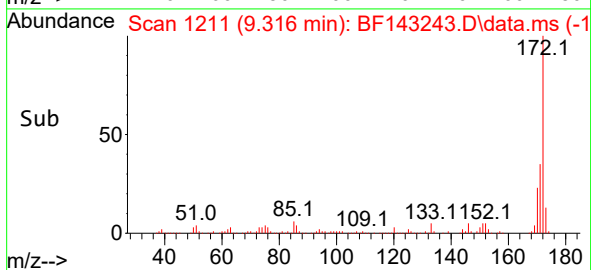
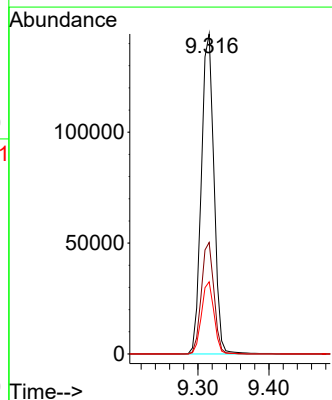
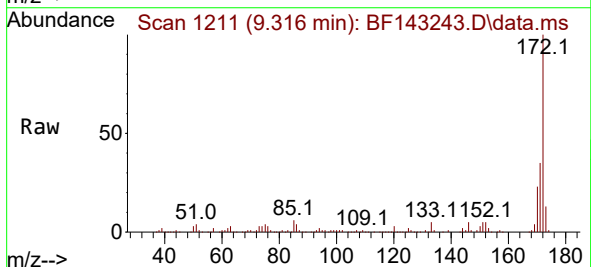
Instrument :
BNA_F
ClientSampleId :
OK-02-07222025

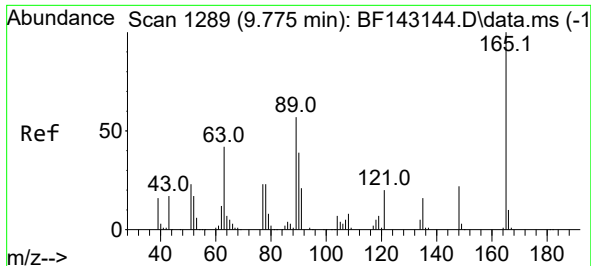
Tgt Ion: 330 Resp: 30030
Ion Ratio Lower Upper
330 100
332 98.0 76.7 115.1
141 32.0 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 14.073 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

Tgt Ion: 172 Resp: 179328
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 22.6 18.8 28.2

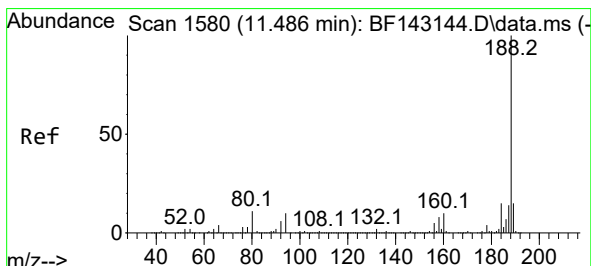
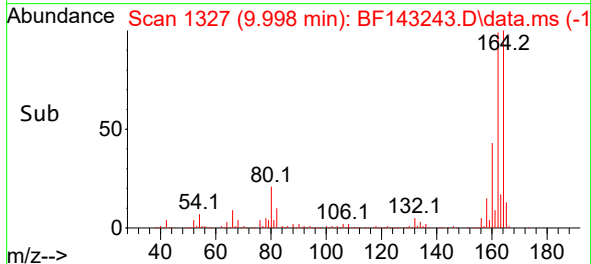
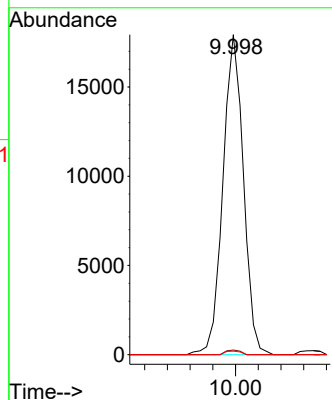
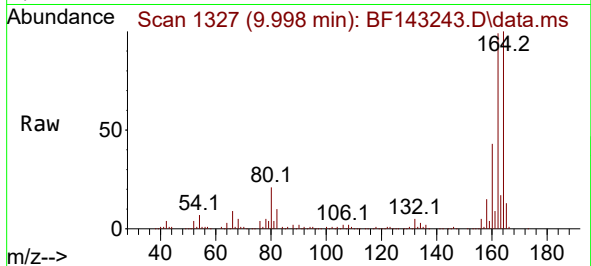




#51
2,6-Dinitrotoluene
Concen: 9.726 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

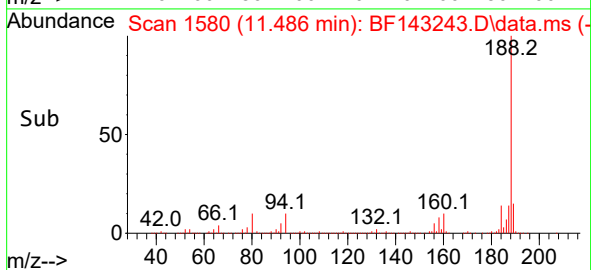
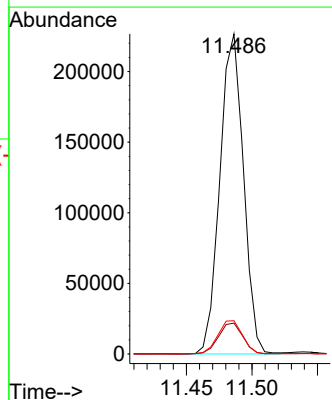
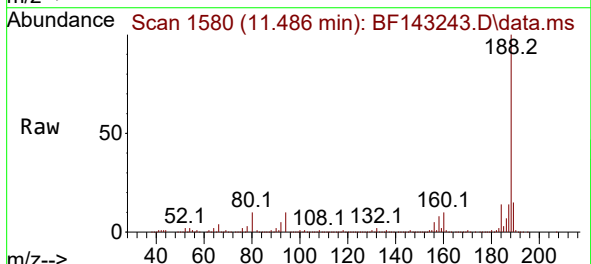
Instrument :
BNA_F
ClientSampleId :
OK-02-07222025

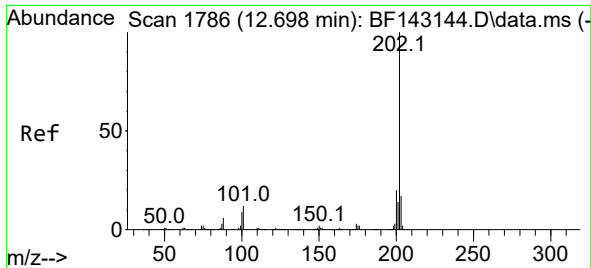
Tgt Ion:165 Resp: 22476
Ion Ratio Lower Upper
165 100
63 1.4 49.4 74.2#
89 1.1 46.2 69.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

Tgt Ion:188 Resp: 283061
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 10.4 9.0 13.6

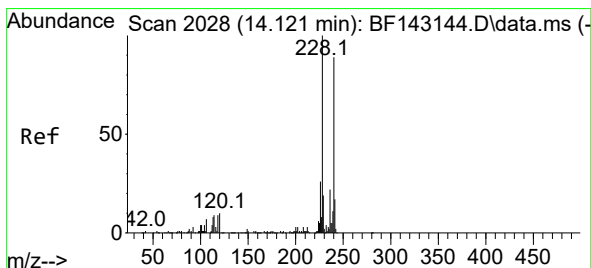
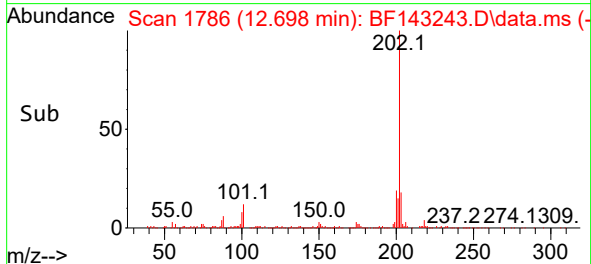
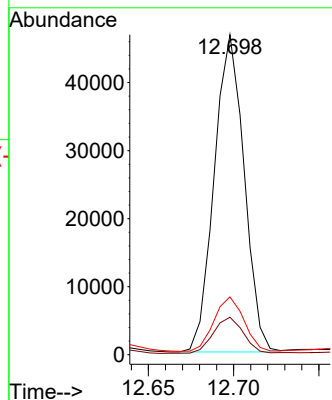
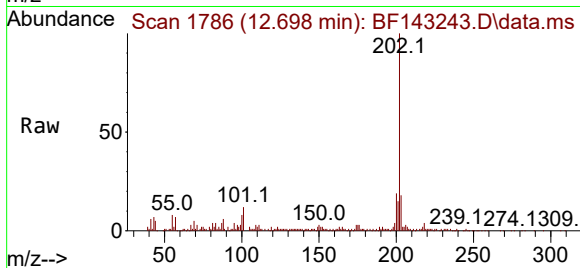




#75
Fluoranthene
Concen: 4.137 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

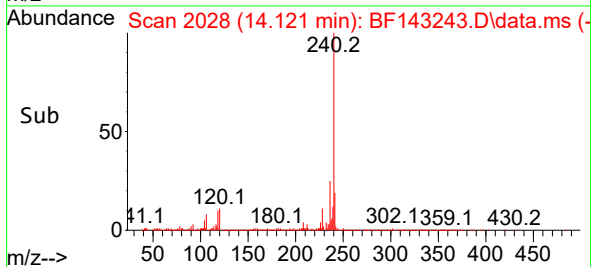
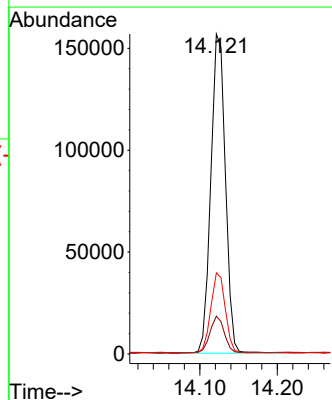
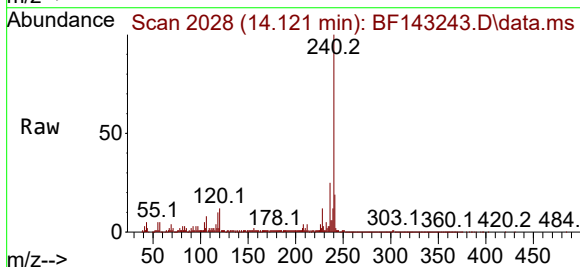
Instrument :
BNA_F
ClientSampleId :
OK-02-07222025

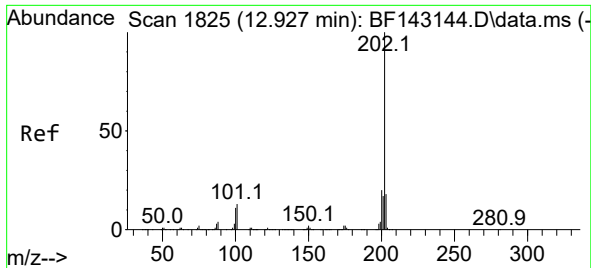
Tgt Ion:	202	Resp:	57071
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	31.7
203	18.1	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

Tgt Ion:	240	Resp:	204484
Ion Ratio	Lower	Upper	
240	100		
120	11.8	9.4	14.2
236	25.4	20.2	30.4

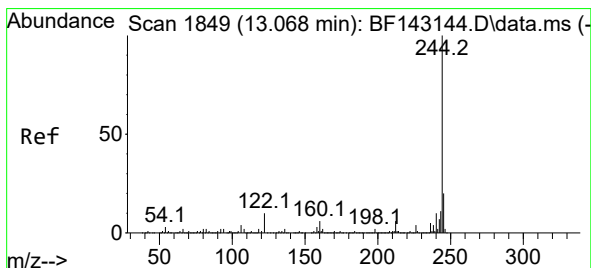
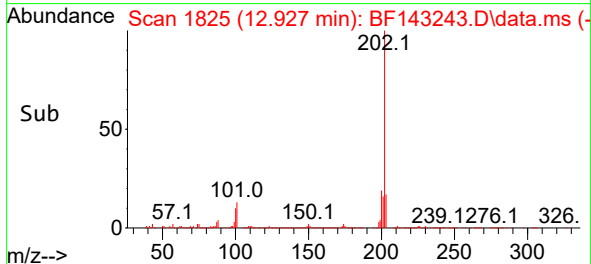
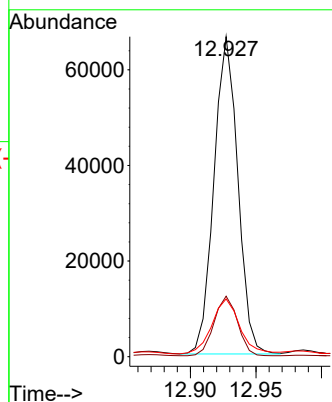
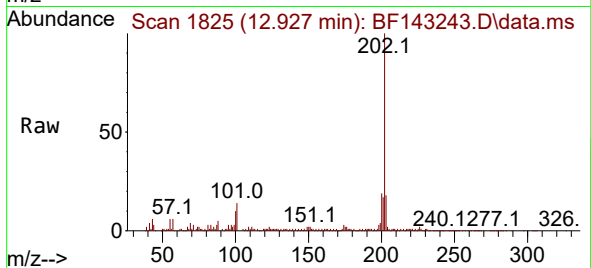




#78
 Pyrene
 Concen: 4.807 ng
 RT: 12.927 min Scan# 1825
 Delta R.T. -0.000 min
 Lab File: BF143243.D
 Acq: 24 Jul 2025 19:53

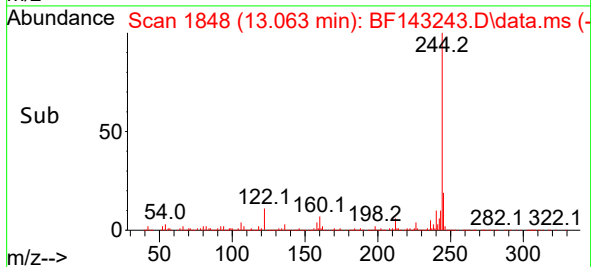
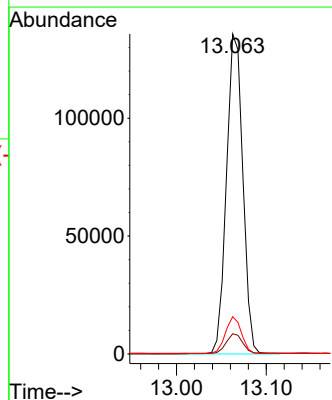
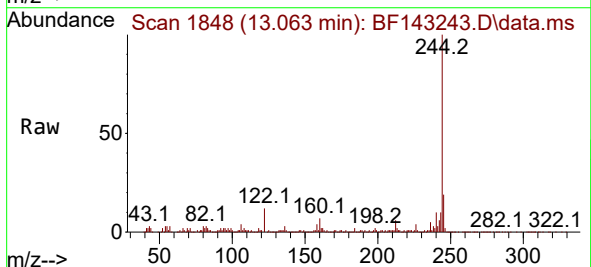
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-07222025

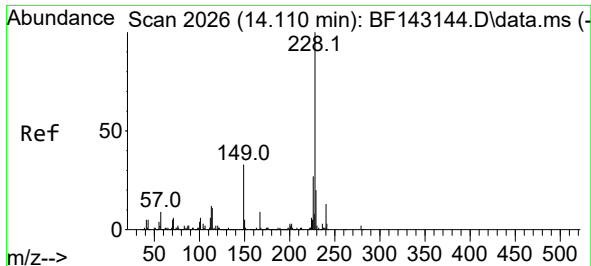
Tgt Ion:	202	Resp:	83896
Ion Ratio	Lower	Upper	
202	100		
200	18.9	15.7	23.5
203	18.1	14.2	21.2



#79
 Terphenyl-d14
 Concen: 12.513 ng
 RT: 13.063 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF143243.D
 Acq: 24 Jul 2025 19:53

Tgt Ion:	244	Resp:	171939
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.2	7.8
122	11.7	8.2	12.2

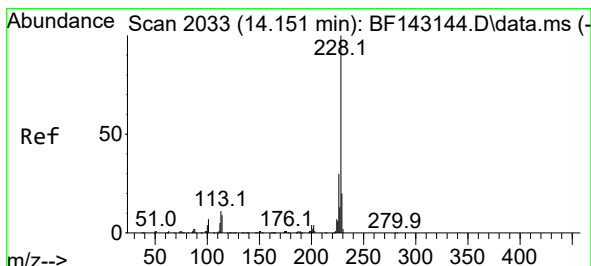
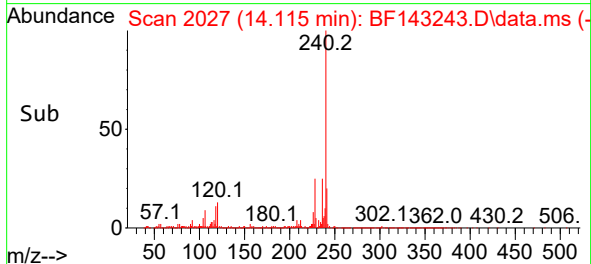
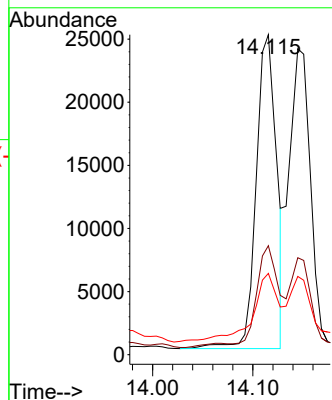
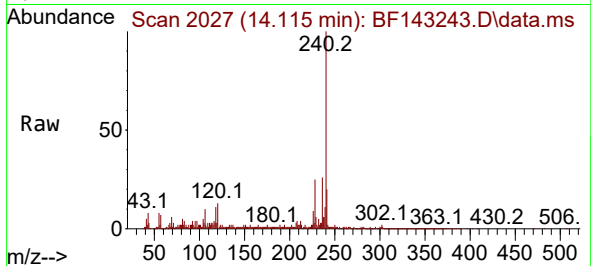




#81
Benzo(a)anthracene
Concen: 2.565 ng
RT: 14.115 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

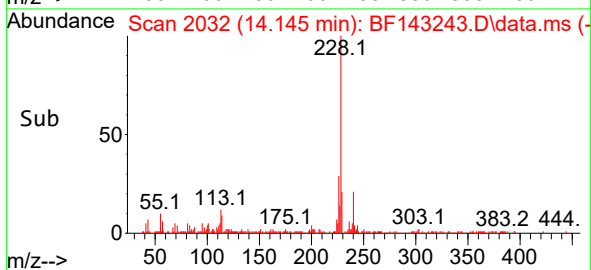
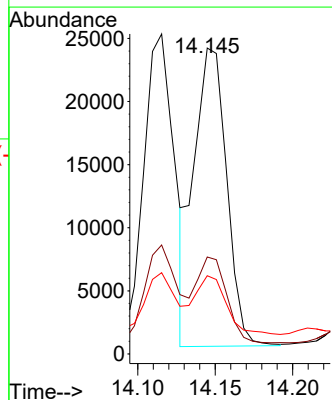
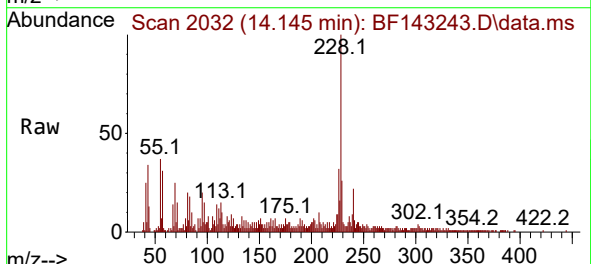
Instrument :
BNA_F
ClientSampleId :
OK-02-07222025

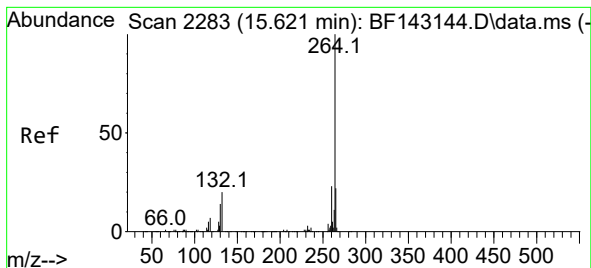
Tgt Ion:228 Resp: 35115
Ion Ratio Lower Upper
228 100
226 34.0 21.7 32.5#
229 25.4 15.8 23.6#



#83
Chrysene
Concen: 2.814 ng
RT: 14.145 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

Tgt Ion:228 Resp: 34631
Ion Ratio Lower Upper
228 100
226 31.7 23.8 35.8
229 25.6 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143243.D

Acq: 24 Jul 2025 19:53

Instrument :

BNA_F

ClientSampleId :

OK-02-07222025

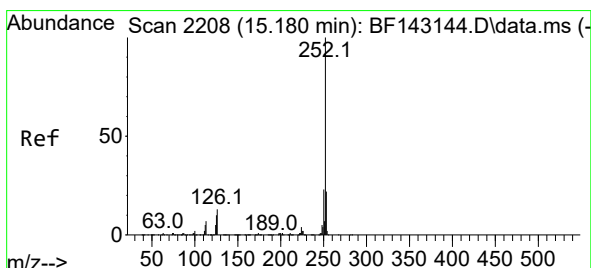
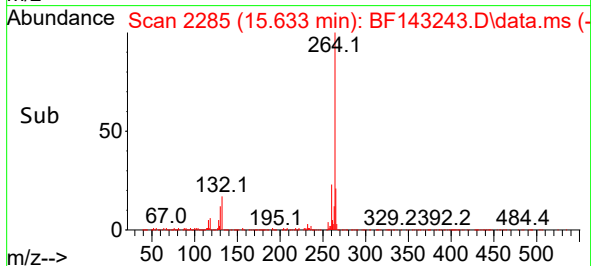
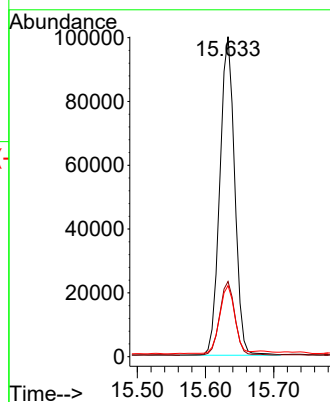
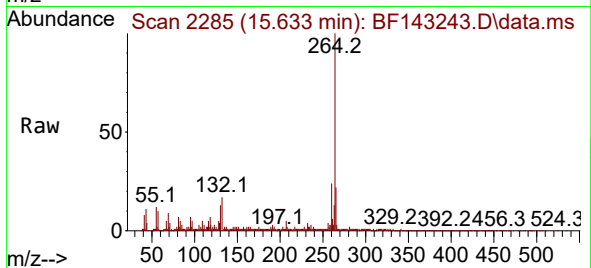
Tgt Ion:264 Resp: 151771

Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 22.2 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.914 ng

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143243.D

Acq: 24 Jul 2025 19:53

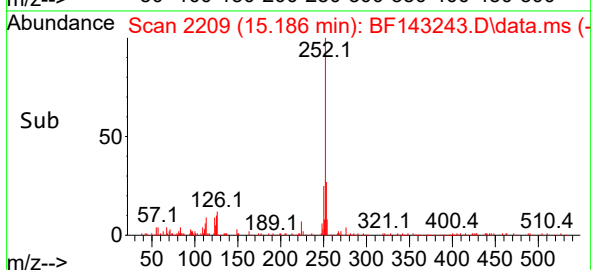
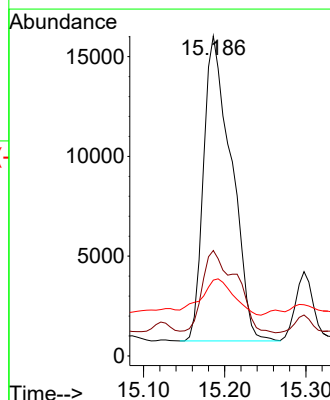
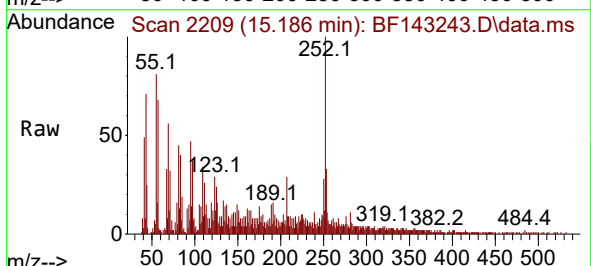
Tgt Ion:252 Resp: 36292

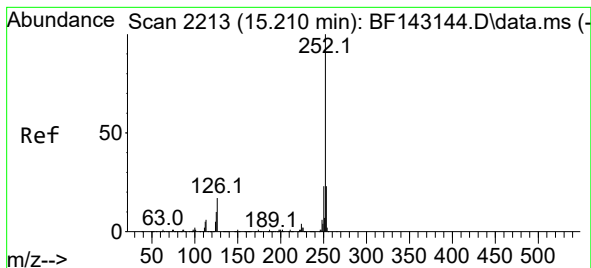
Ion Ratio Lower Upper

252 100

253 33.0 17.5 26.3#

125 23.7 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 4.386 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF143243.D

Acq: 24 Jul 2025 19:53

Instrument :

BNA_F

ClientSampleId :

OK-02-07222025

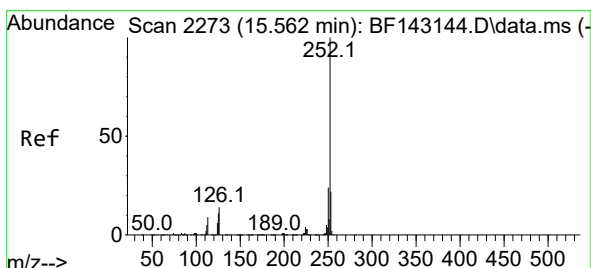
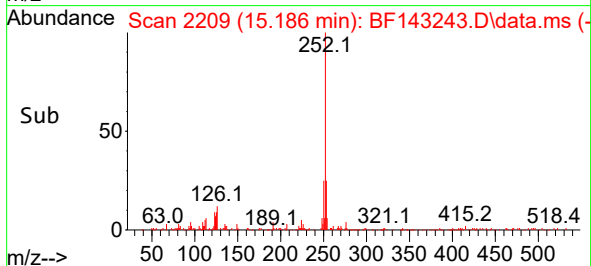
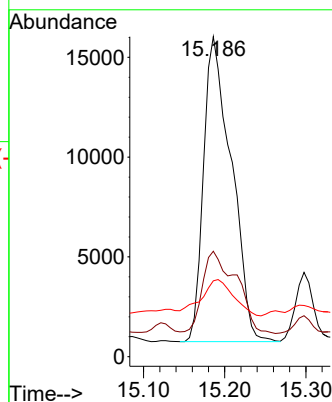
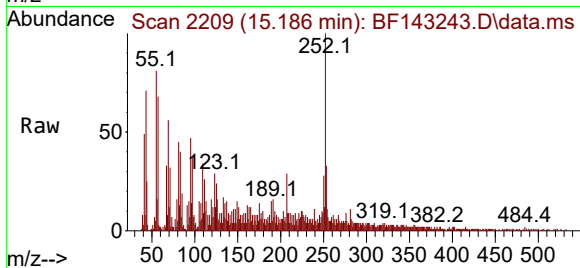
Tgt Ion:252 Resp: 36292

Ion Ratio Lower Upper

252 100

253 33.0 17.8 26.6#

125 23.7 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 2.682 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF143243.D

Acq: 24 Jul 2025 19:53

Tgt Ion:252 Resp: 22910

Ion Ratio Lower Upper

252 100

253 27.5 17.3 25.9#

125 23.2 8.6 13.0#

