

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072925\
 Data File : BF143266.D
 Acq On : 29 Jul 2025 20:09
 Operator : RC/JU
 Sample : Q2710-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-07282025

Quant Time: Jul 30 01:04:35 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)

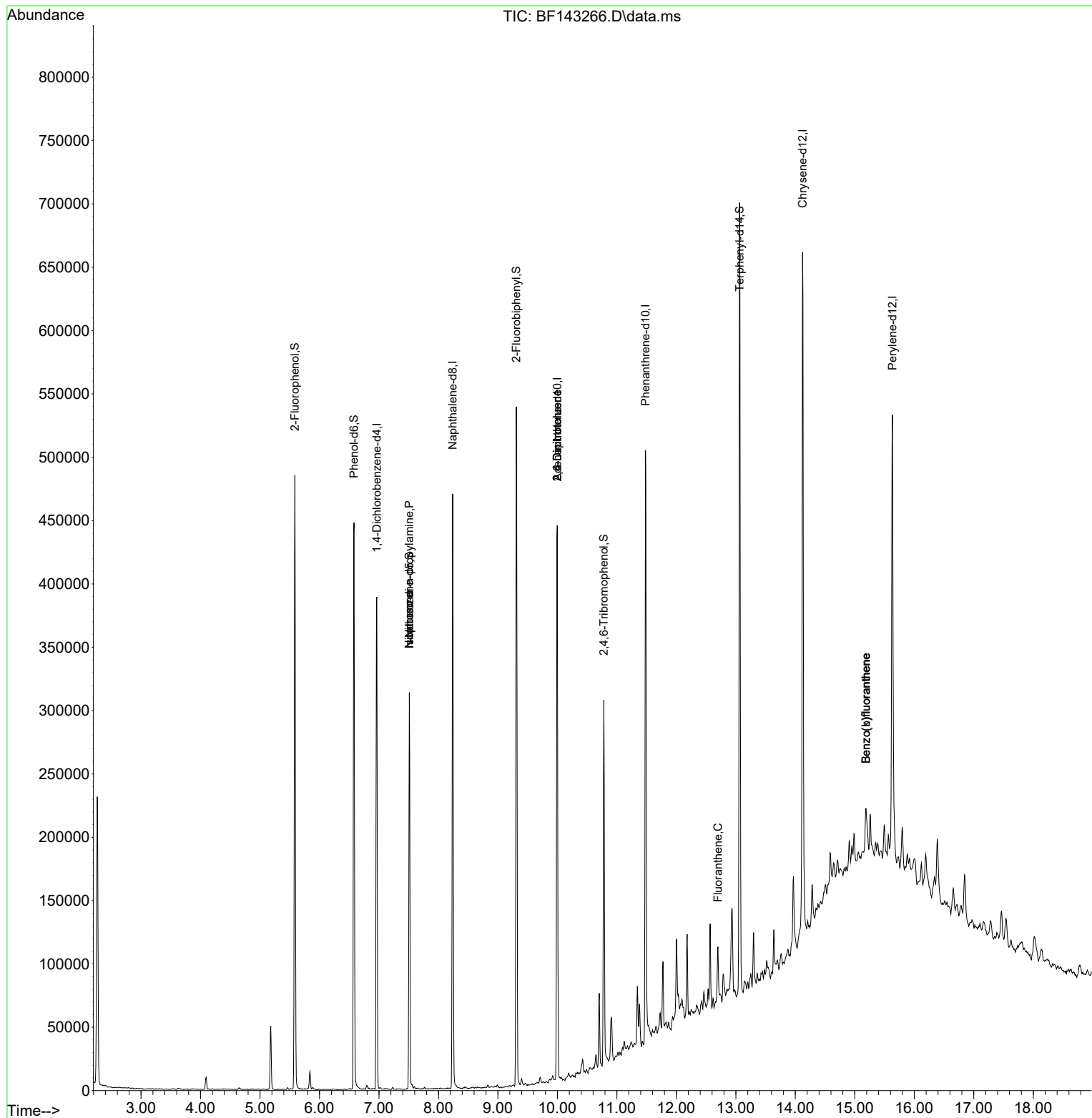
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	82010	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	282655	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	132123	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	240141	20.000	ng	0.00
76) Chrysene-d12	14.121	240	260032	20.000	ng	0.00
86) Perylene-d12	15.633	264	216423	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	169379	32.683	ng	0.00
7) Phenol-d6	6.581	99	199533	30.589	ng	0.00
23) Nitrobenzene-d5	7.510	82	127612	22.505	ng	-0.01
42) 2,4,6-Tribromophenol	10.781	330	47206	34.586	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	233300	24.149	ng	-0.01
79) Terphenyl-d14	13.063	244	294432	16.850	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.510	70	17126	4.092	ng	# 80
25) Isophorone	7.510	82	125868	12.574	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	17386	9.924	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	17386	7.910	ng	# 21
75) Fluoranthene	12.698	202	24951	2.132	ng	98
88) Benzo(b)fluoranthene	15.186	252	29893	2.261	ng	# 82
89) Benzo(k)fluoranthene	15.186	252	29893	2.534	ng	# 83

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

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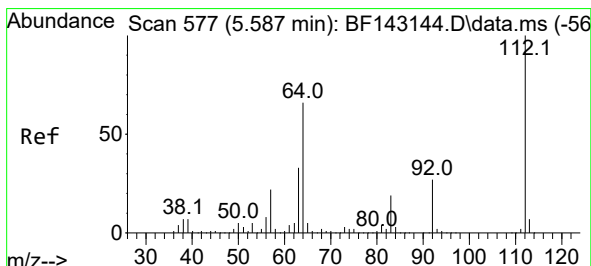
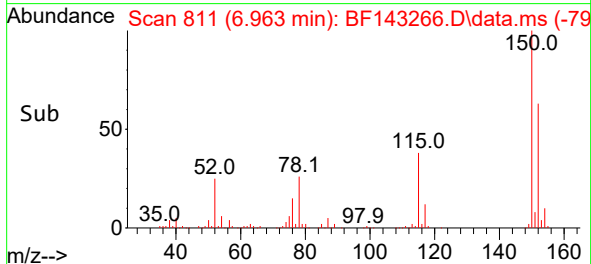
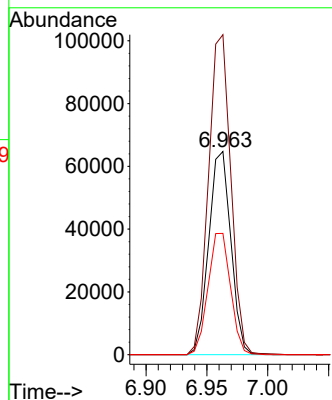
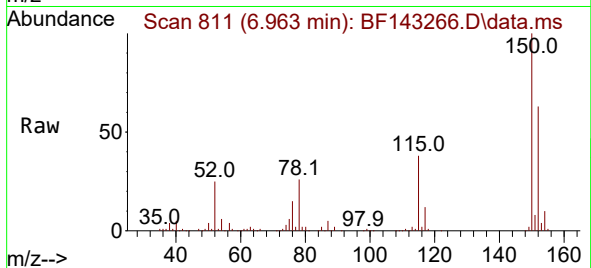




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

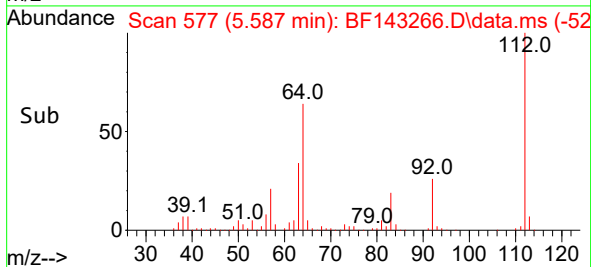
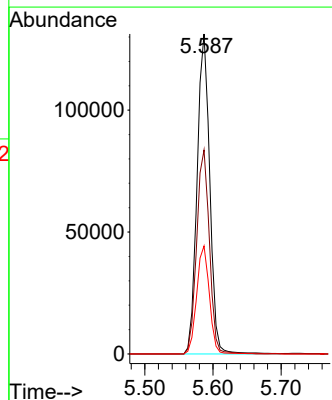
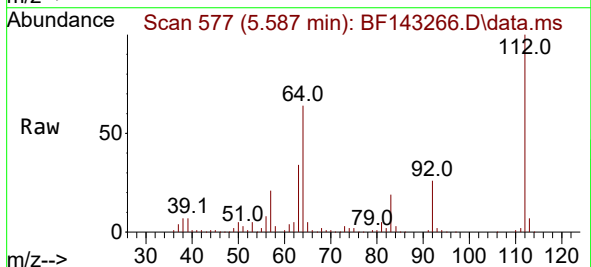
Instrument :
BNA_F
ClientSampleId :
JC-03-07282025

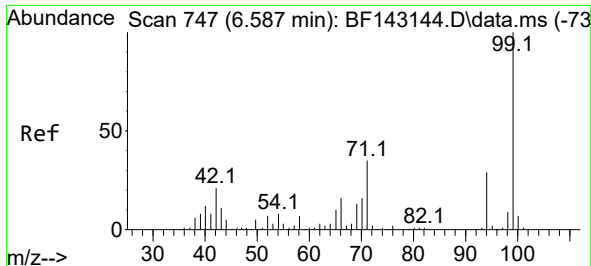
Tgt Ion:152 Resp: 82010
Ion Ratio Lower Upper
152 100
150 157.5 128.2 192.4
115 59.7 47.9 71.9



#5
2-Fluorophenol
Concen: 32.683 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

Tgt Ion:112 Resp: 169379
Ion Ratio Lower Upper
112 100
64 63.8 53.1 79.7
63 33.7 26.6 40.0

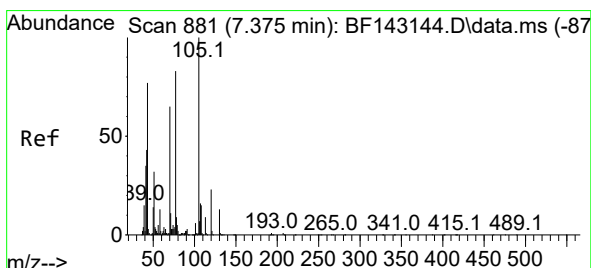
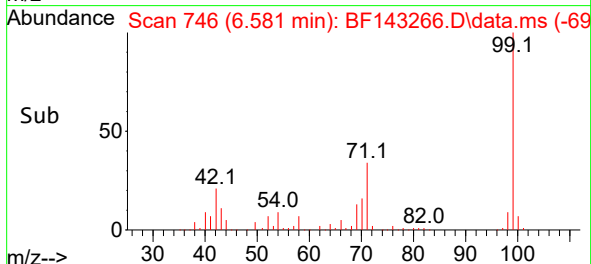
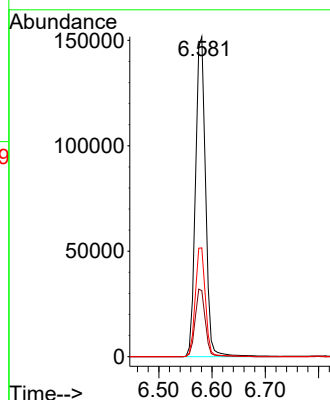
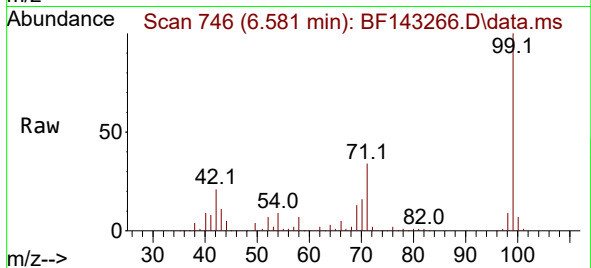




#7
Phenol-d6
Concen: 30.589 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

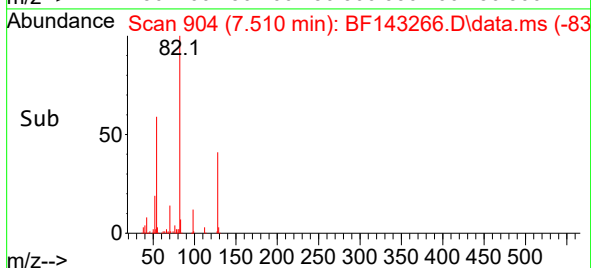
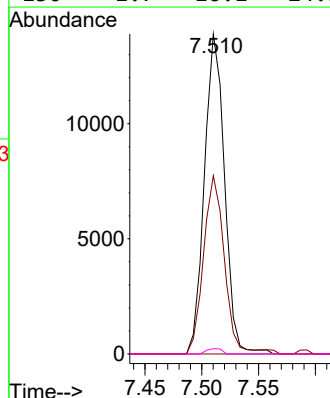
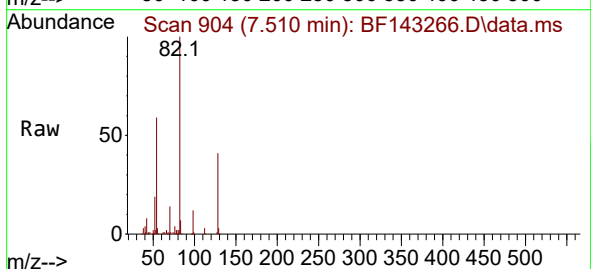
Instrument :
BNA_F
ClientSampleId :
JC-03-07282025

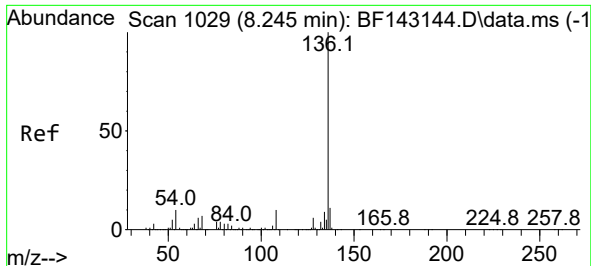
Tgt Ion: 99 Resp: 199533
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 34.0 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 4.092 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

Tgt Ion: 70 Resp: 17126
Ion Ratio Lower Upper
70 100
42 55.7 52.5 78.7
101 0.0 7.6 11.4#
130 1.7 16.1 24.1#



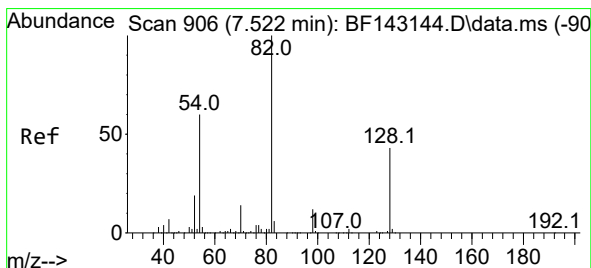
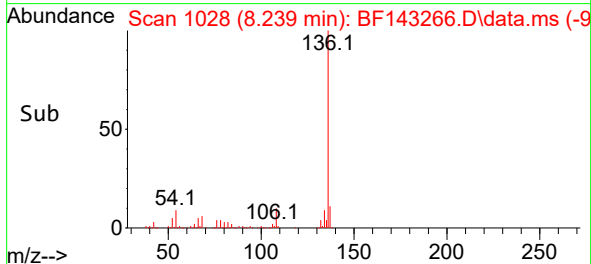
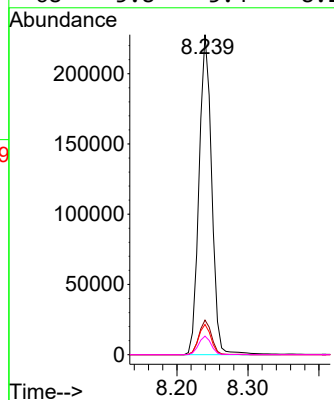
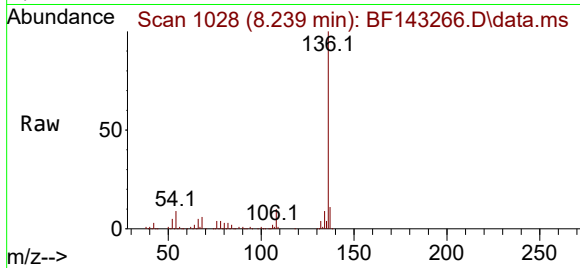


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

Instrument :
BNA_F
ClientSampleId :
JC-03-07282025

Tgt Ion:136 Resp: 282655

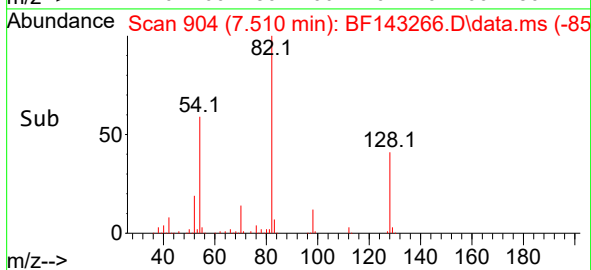
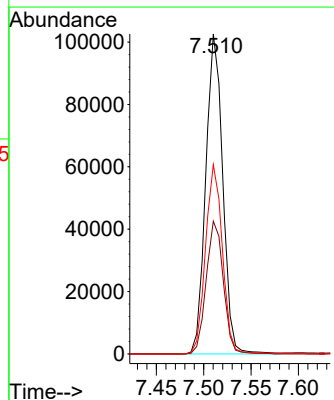
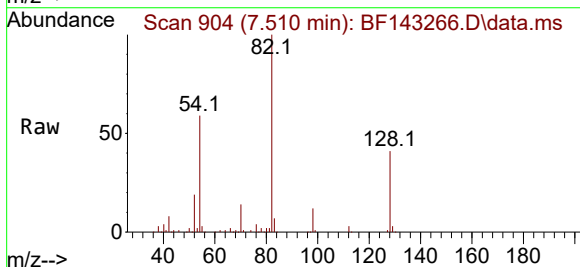
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.4	8.2	12.2
68	5.8	5.4	8.2

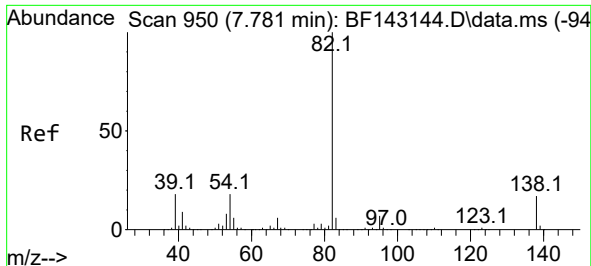


#23
Nitrobenzene-d5
Concen: 22.505 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

Tgt Ion: 82 Resp: 127612

Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.6	50.4
54	59.2	47.1	70.7

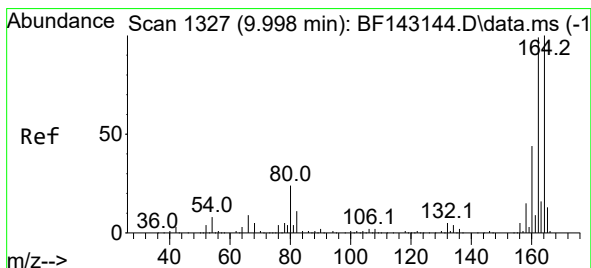
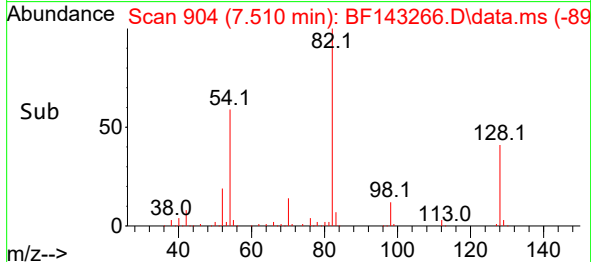
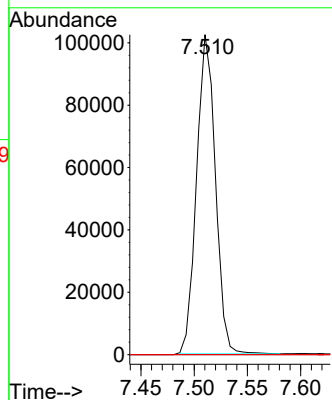
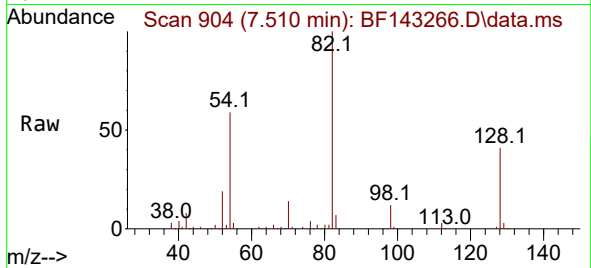




#25
Isophorone
Concen: 12.574 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.270 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

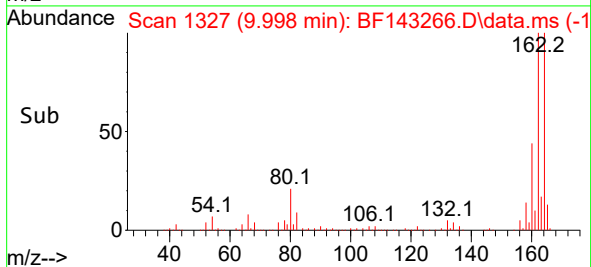
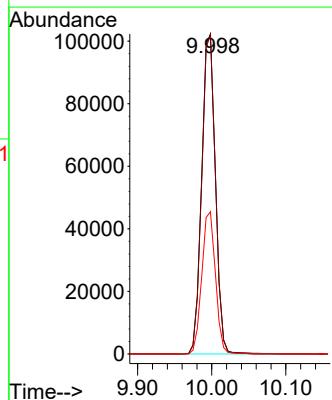
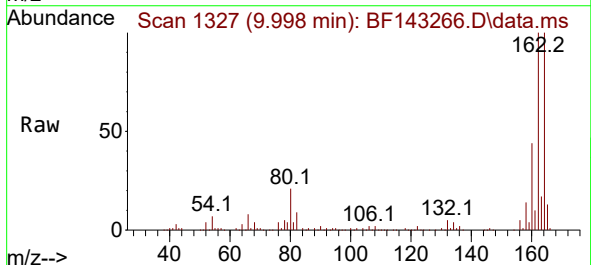
Instrument :
BNA_F
ClientSampleId :
JC-03-07282025

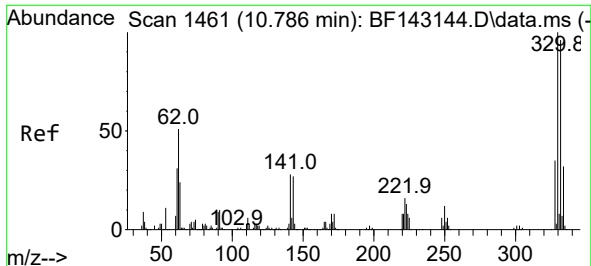
Tgt Ion: 82 Resp: 125868
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

Tgt Ion: 164 Resp: 132123
Ion Ratio Lower Upper
164 100
162 99.8 79.0 118.6
160 44.4 35.1 52.7

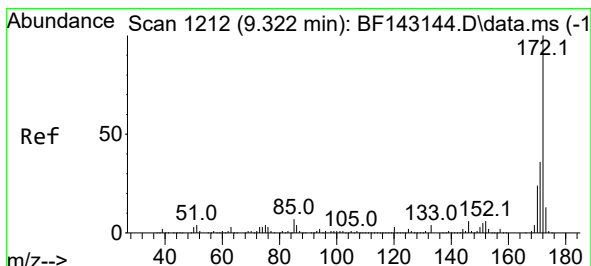
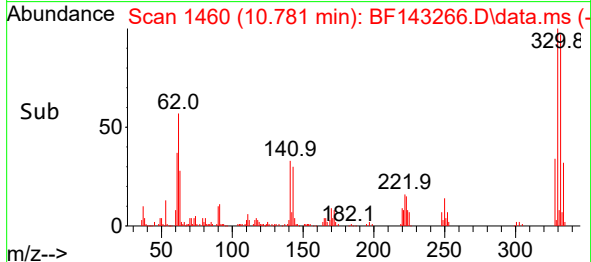
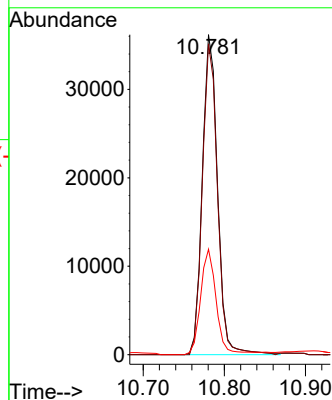
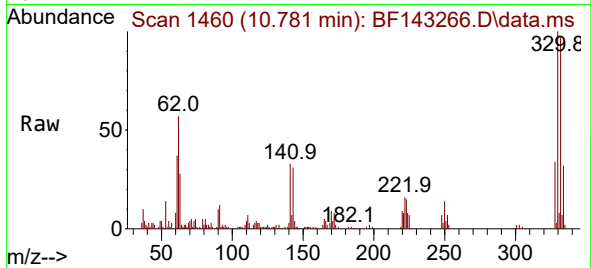




#42
2,4,6-Tribromophenol
Concen: 34.586 ng
RT: 10.781 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

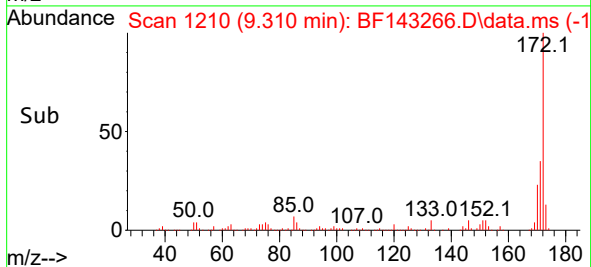
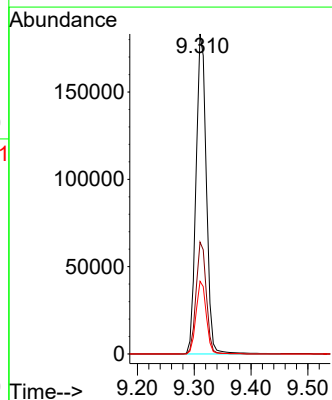
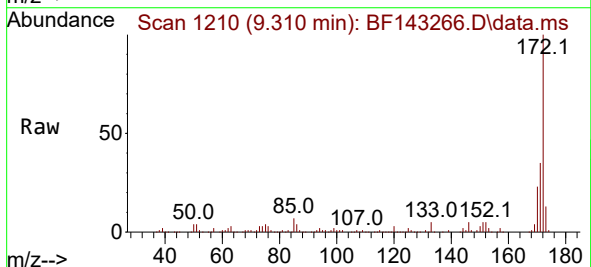
Instrument :
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ClientSampleId :
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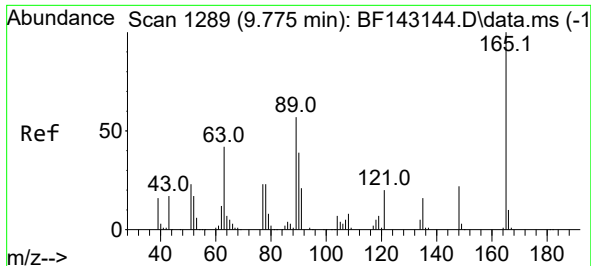
Tgt Ion:330 Resp: 47206
Ion Ratio Lower Upper
330 100
332 96.3 76.7 115.1
141 33.9 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 24.149 ng
RT: 9.310 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

Tgt Ion:172 Resp: 233300
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 22.7 18.8 28.2

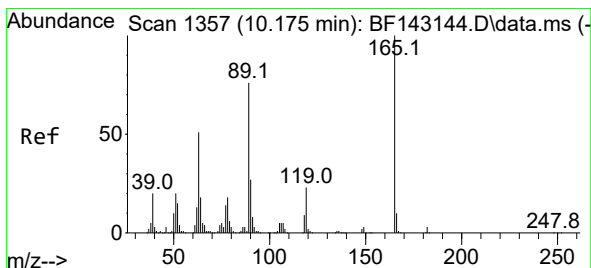
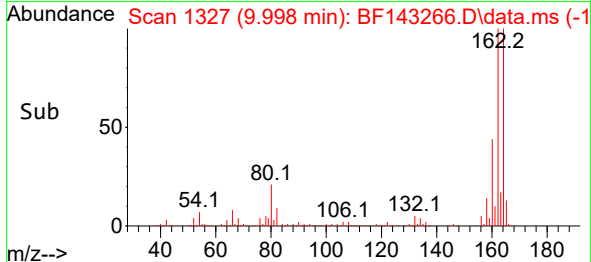
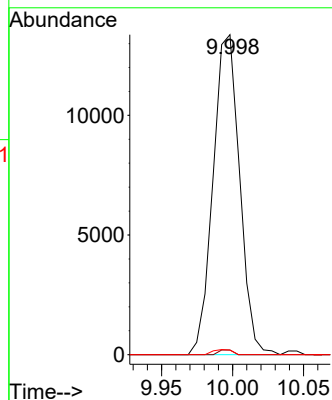
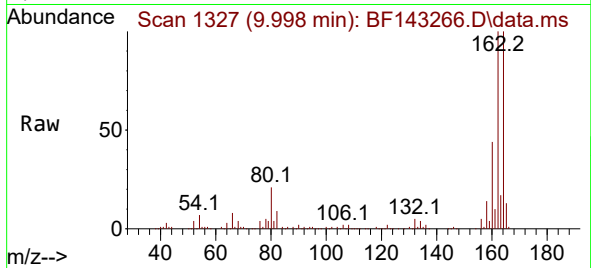




#51
2,6-Dinitrotoluene
Concen: 9.924 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

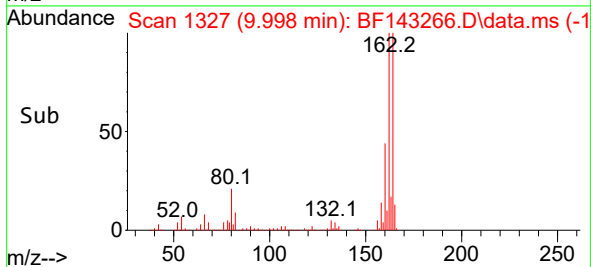
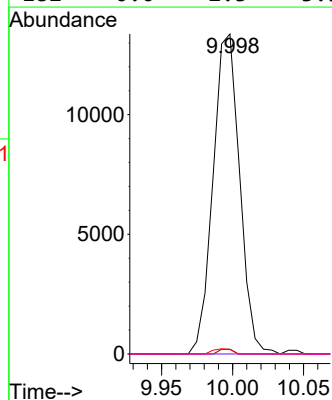
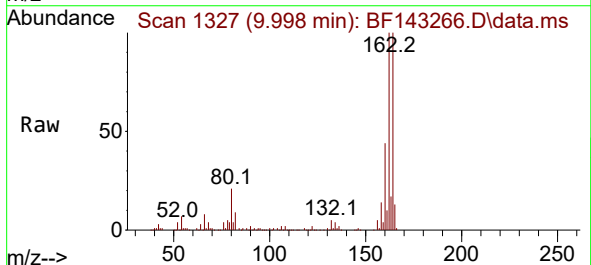
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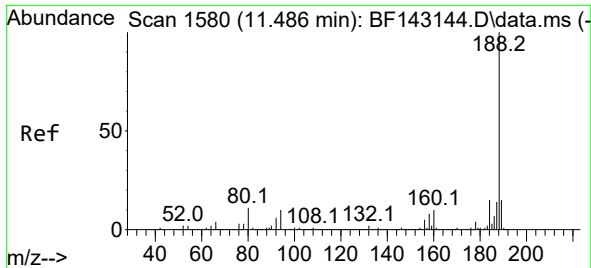
Tgt Ion:165 Resp: 17386
Ion Ratio Lower Upper
165 100
63 1.5 49.4 74.2#
89 1.4 46.2 69.2#



#57
2,4-Dinitrotoluene
Concen: 7.910 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.176 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

Tgt Ion:165 Resp: 17386
Ion Ratio Lower Upper
165 100
63 1.5 41.0 61.4#
89 1.4 61.1 91.7#
182 0.0 2.3 3.5#

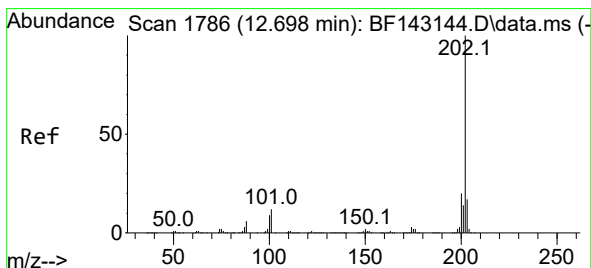
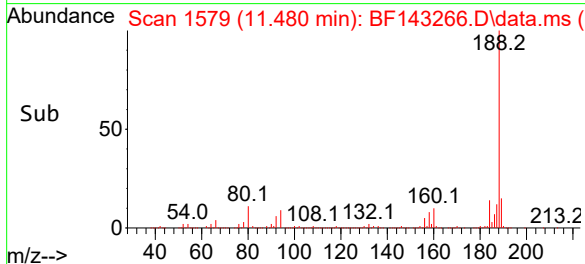
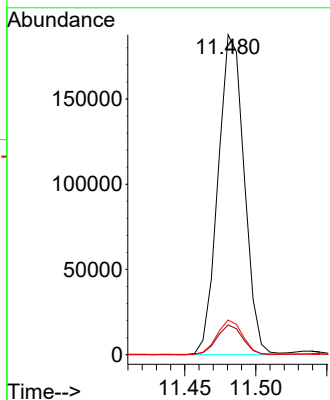
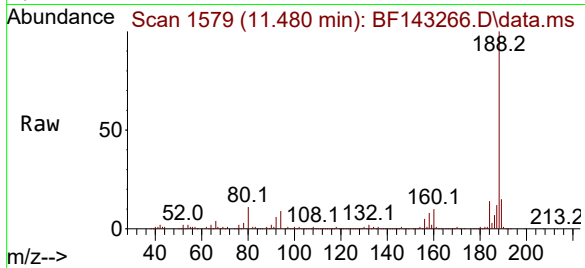




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

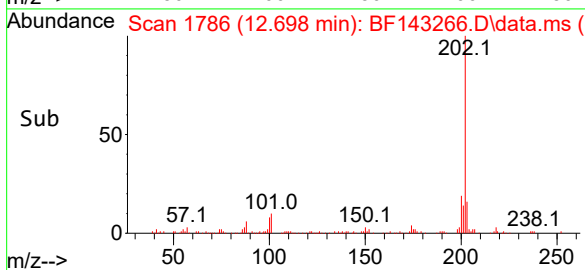
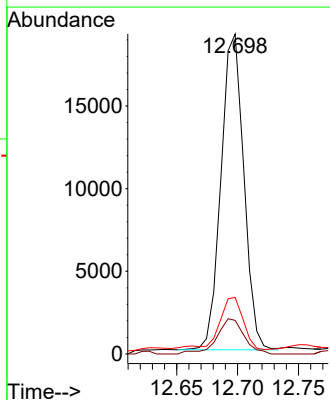
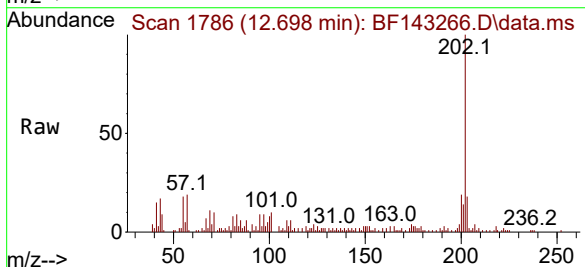
Instrument :
BNA_F
ClientSampleId :
JC-03-07282025

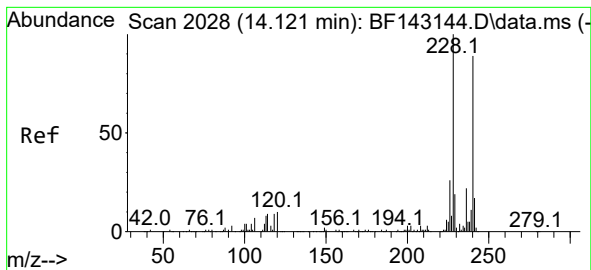
Tgt Ion:188 Resp: 240141
Ion Ratio Lower Upper
188 100
94 9.3 8.3 12.5
80 10.8 9.0 13.6



#75
Fluoranthene
Concen: 2.132 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

Tgt Ion:202 Resp: 24951
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.7
203 17.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143266.D

Acq: 29 Jul 2025 20:09

Instrument :

BNA_F

ClientSampleId :

JC-03-07282025

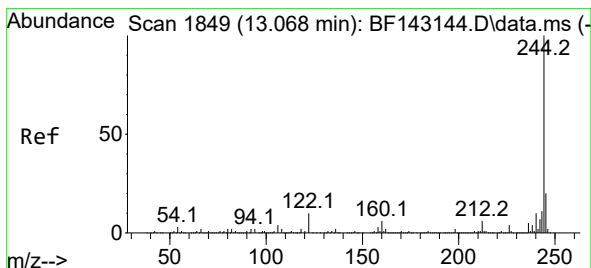
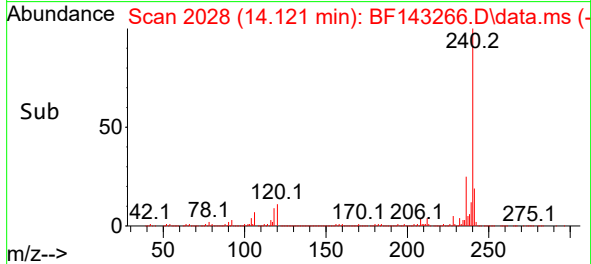
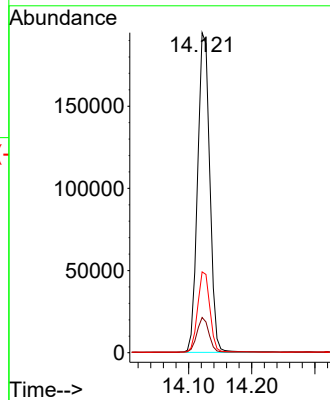
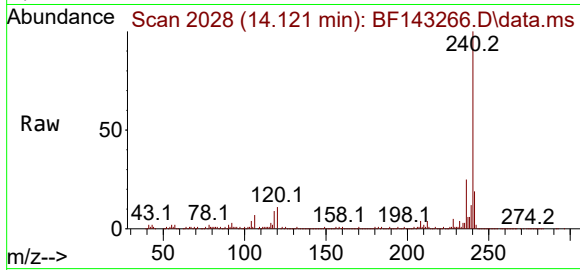
Tgt Ion:240 Resp: 260032

Ion Ratio Lower Upper

240 100

120 11.0 9.4 14.2

236 25.3 20.2 30.4



#79

Terphenyl-d14

Concen: 16.850 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143266.D

Acq: 29 Jul 2025 20:09

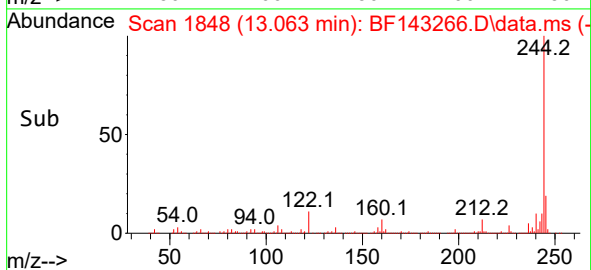
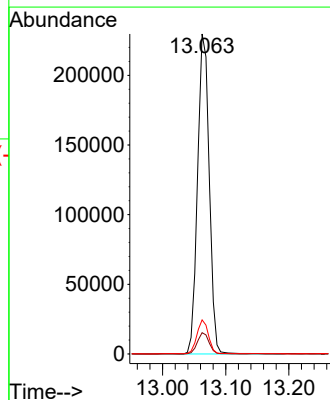
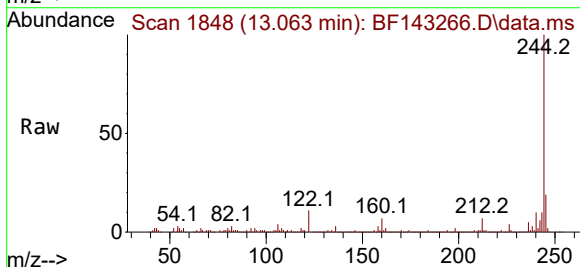
Tgt Ion:244 Resp: 294432

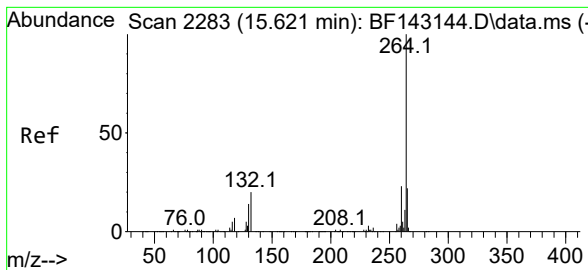
Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

122 10.7 8.2 12.2

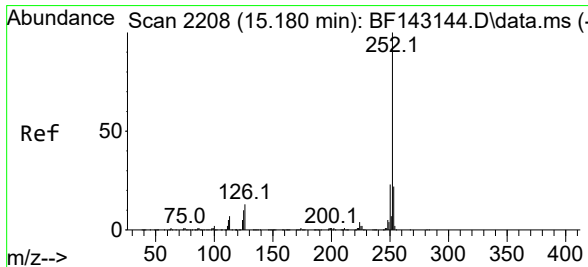
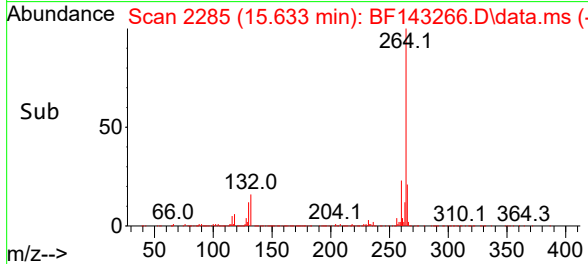
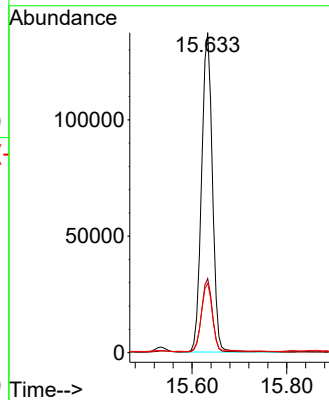
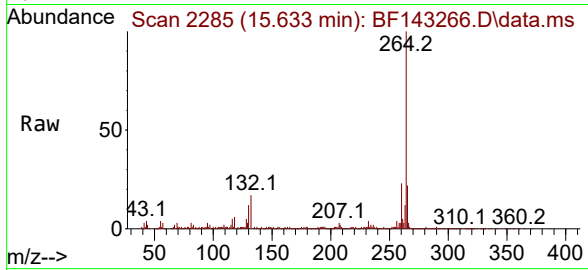




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

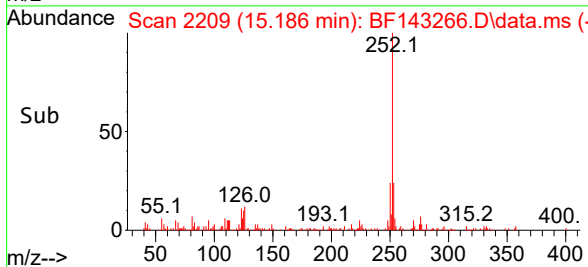
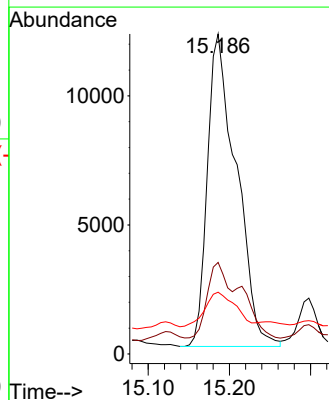
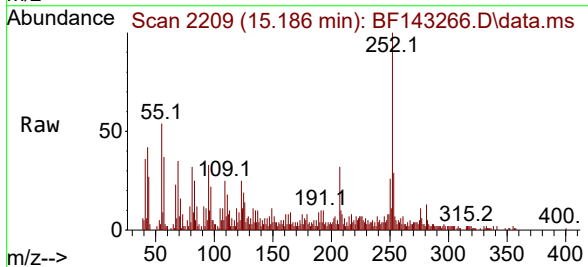
Instrument :
BNA_F
ClientSampleId :
JC-03-07282025

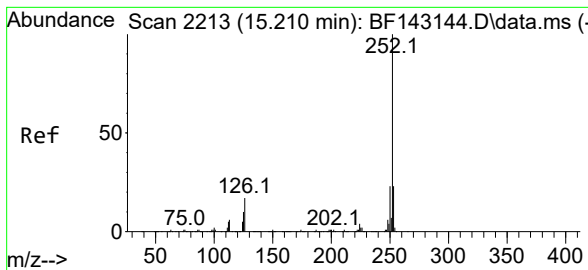
Tgt Ion:264 Resp: 216423
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.7 17.4 26.2



#88
Benzo(b)fluoranthene
Concen: 2.261 ng
RT: 15.186 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF143266.D
Acq: 29 Jul 2025 20:09

Tgt Ion:252 Resp: 29893
Ion Ratio Lower Upper
252 100
253 28.6 17.5 26.3#
125 19.3 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 2.534 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF143266.D

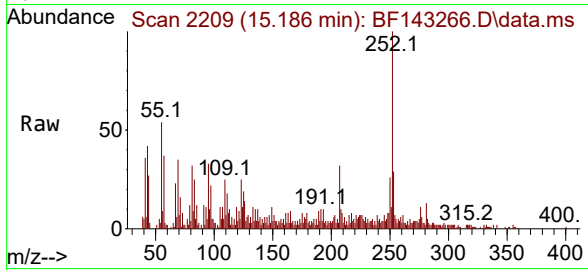
Acq: 29 Jul 2025 20:09

Instrument :

BNA_F

ClientSampleId :

JC-03-07282025



Tgt Ion:252 Resp: 29893

Ion Ratio Lower Upper

252 100

253 28.6 17.8 26.6#

125 19.3 8.1 12.1#

