

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144093.D
 Acq On : 27 Oct 2025 20:02
 Operator : RC/JU
 Sample : Q3440-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JB-2

Quant Time: Oct 28 10:42:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

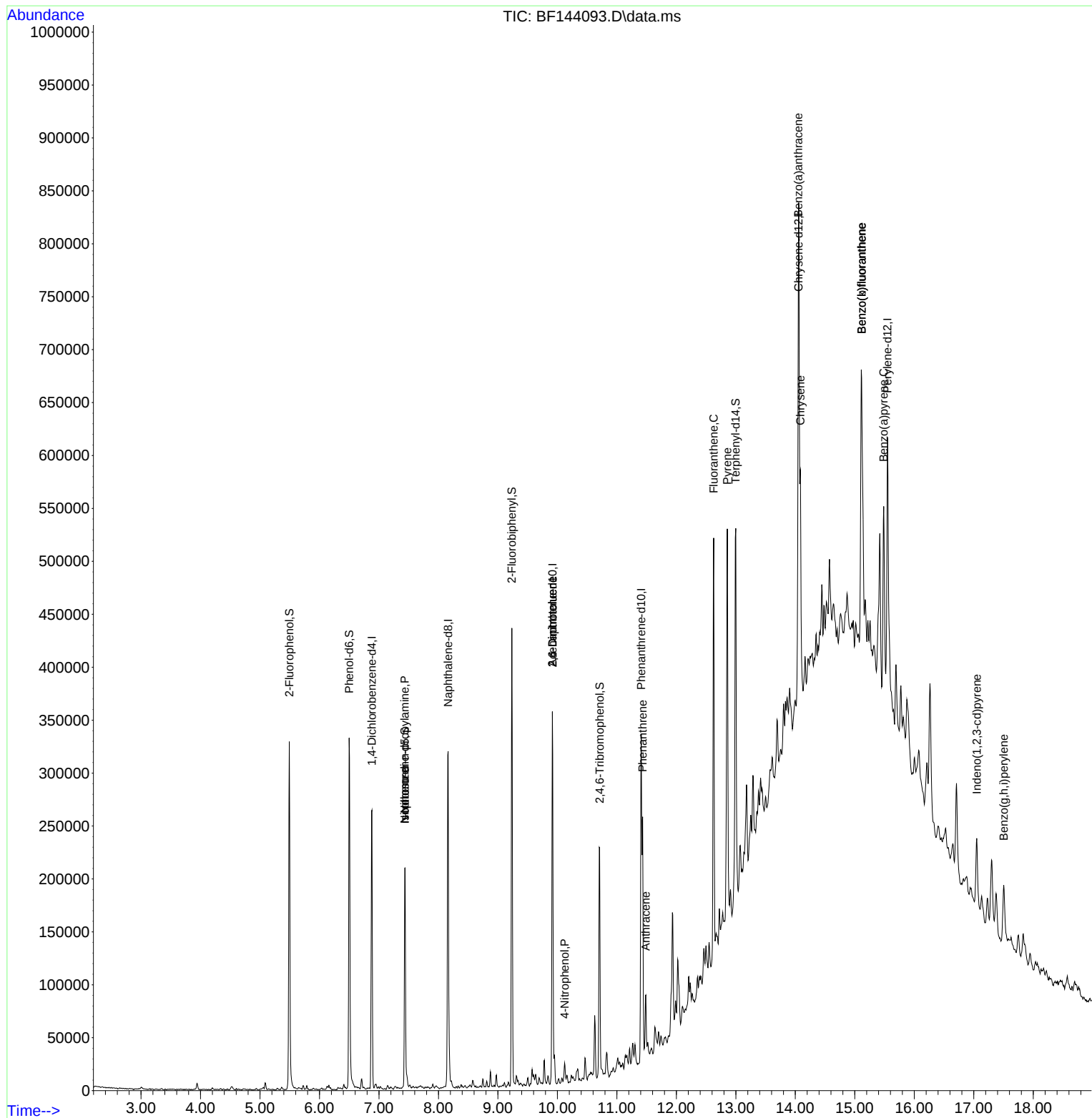
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	57633	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	208710	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	106374	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	166607	20.000	ng	0.00
76) Chrysene-d12	14.057	240	154272	20.000	ng	0.00
86) Perylene-d12	15.551	264	150776	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	131033	35.970	ng	0.00
7) Phenol-d6	6.498	99	154625	38.434	ng	0.00
23) Nitrobenzene-d5	7.434	82	92590	24.305	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	43875	32.380	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	196832	26.039	ng	0.00
79) Terphenyl-d14	12.998	244	193135	21.886	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	13843	5.321	ng	# 78
25) Isophorone	7.434	82	91021	13.667	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	15250	11.063	ng	# 23
56) 4-Nitrophenol	10.122	139	3154	3.039	ng	# 6
57) 2,4-Dinitrotoluene	9.916	165	15250	8.197	ng	# 26
71) Phenanthrene	11.433	178	124130	14.998	ng	100
72) Anthracene	11.486	178	37153	4.346	ng	97
75) Fluoranthene	12.627	202	240505	26.303	ng	99
78) Pyrene	12.857	202	231343	20.858	ng	98
81) Benzo(a)anthracene	14.051	228	158642	15.216	ng	92
83) Chrysene	14.086	228	126427	12.922	ng	96
87) Indeno(1,2,3-cd)pyrene	17.051	276	54243	5.240	ng	99
88) Benzo(b)fluoranthene	15.116	252	236750	27.775	ng	# 91
89) Benzo(k)fluoranthene	15.116	252	236750	30.104	ng	# 92
90) Benzo(a)pyrene	15.486	252	112903	14.764	ng	# 93
92) Benzo(g,h,i)perylene	17.504	276	54289	6.590	ng	97

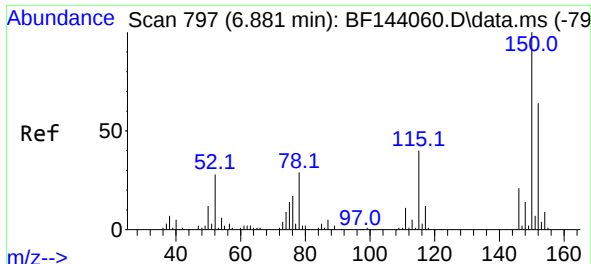
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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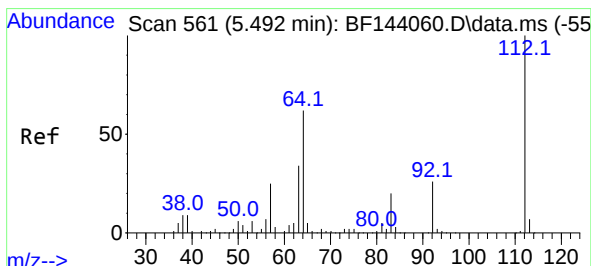
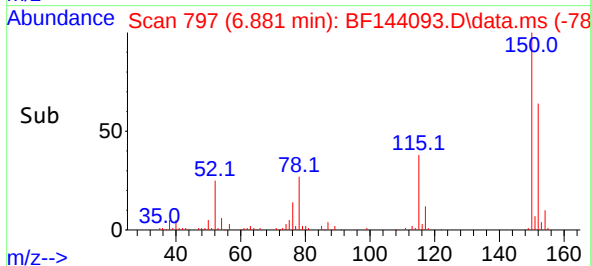
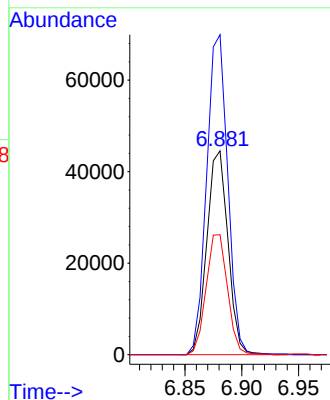
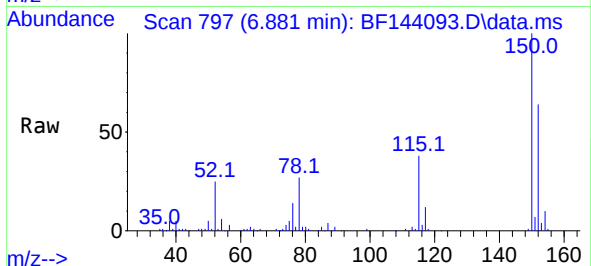




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

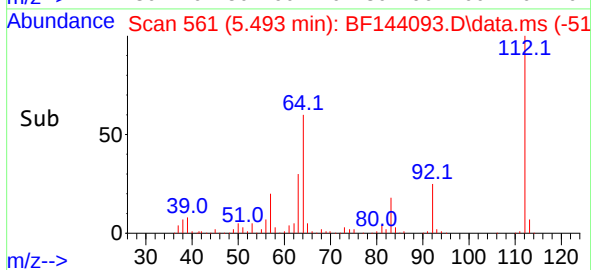
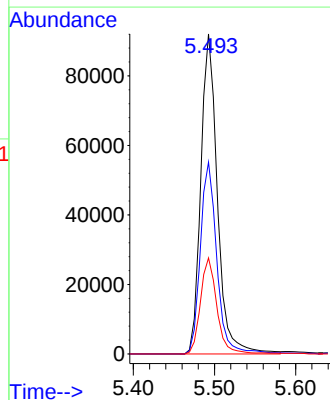
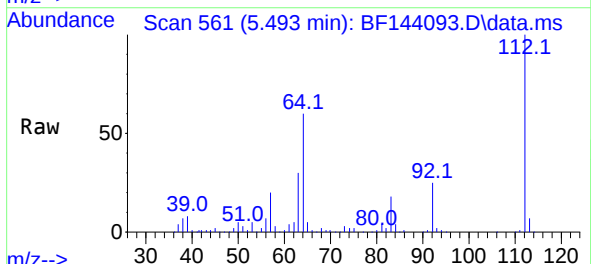
Instrument :
BNA_F
ClientSampleId :
JB-2

Tgt Ion:152 Resp: 57633
Ion Ratio Lower Upper
152 100
150 156.9 124.4 186.6
115 58.9 49.4 74.0



#5
2-Fluorophenol
Concen: 35.970 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Tgt Ion:112 Resp: 131033
Ion Ratio Lower Upper
112 100
64 59.9 49.8 74.8
63 30.0 27.4 41.2

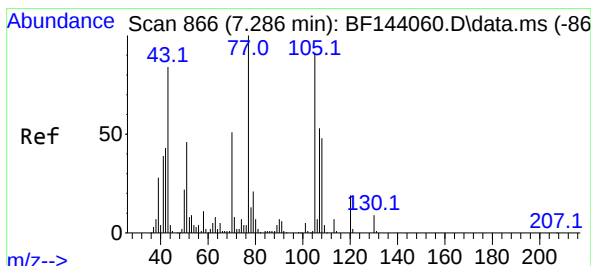
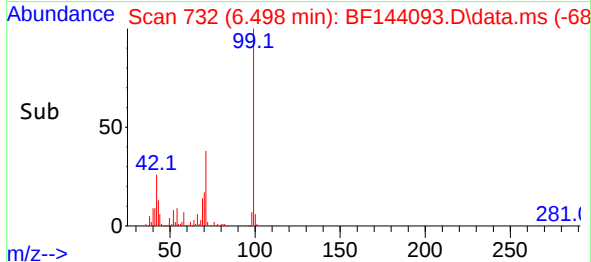
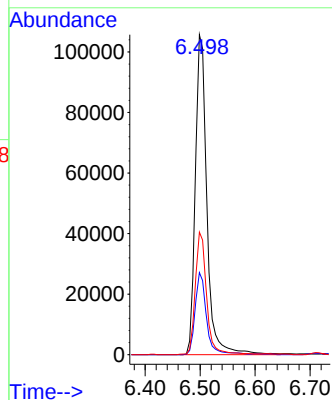
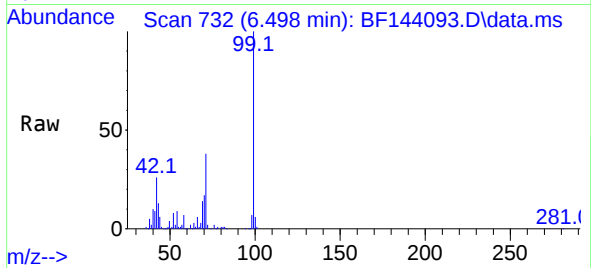




#7
Phenol-d6
Concen: 38.434 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

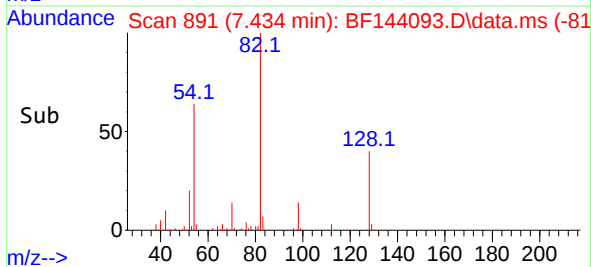
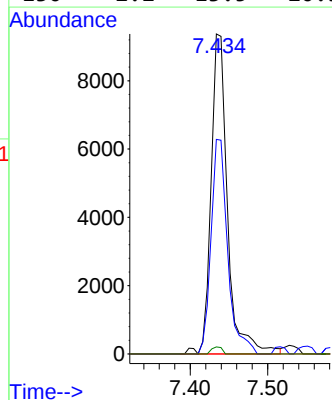
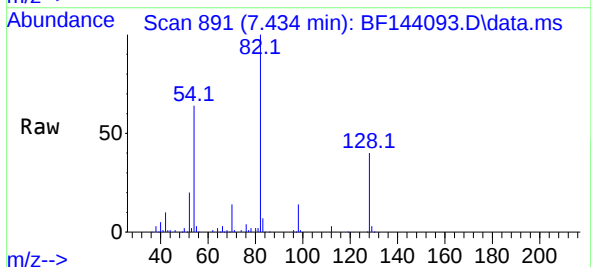
Instrument :
BNA_F
ClientSampleId :
JB-2

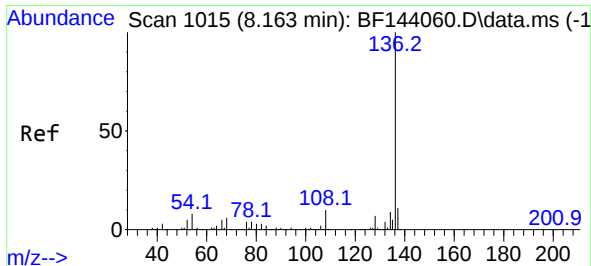
Tgt Ion: 99 Resp: 154625
Ion Ratio Lower Upper
99 100
42 25.7 23.9 35.9
71 38.3 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 5.321 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.147 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Tgt Ion: 70 Resp: 13843
Ion Ratio Lower Upper
70 100
42 67.1 67.4 101.0#
101 0.0 7.1 10.7#
130 2.2 13.5 20.3#



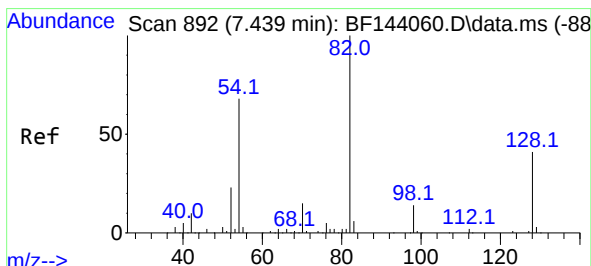
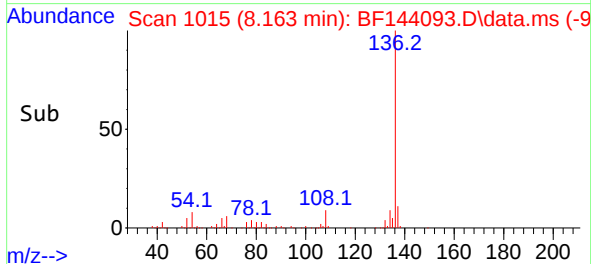
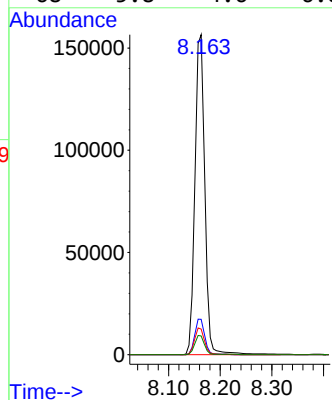
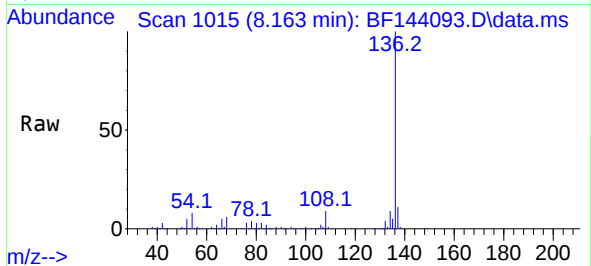


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Instrument :
BNA_F
ClientSampleId :
JB-2

Tgt Ion:136 Resp: 208710

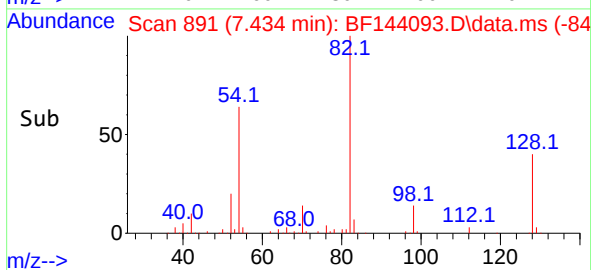
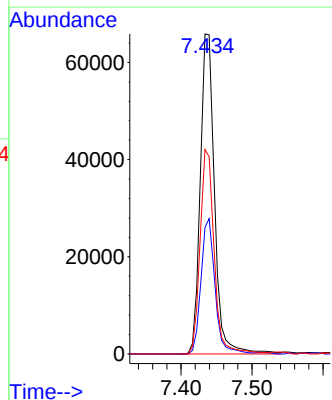
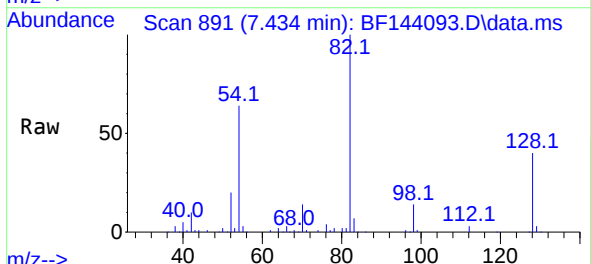
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.0	6.6	9.8
68	5.8	4.6	6.8

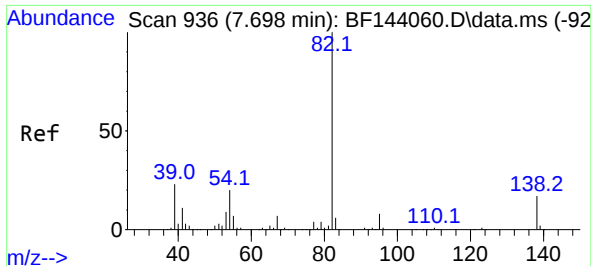


#23
Nitrobenzene-d5
Concen: 24.305 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Tgt Ion: 82 Resp: 92590

Ion	Ratio	Lower	Upper
82	100		
128	39.6	32.4	48.6
54	63.9	54.0	81.0

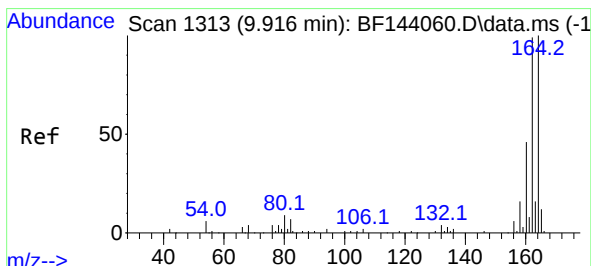
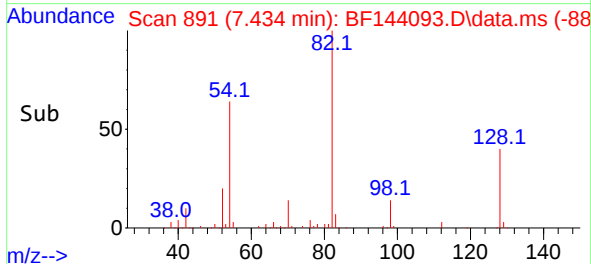
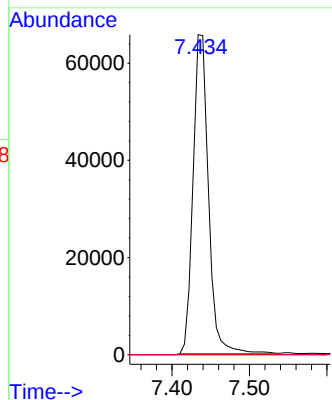
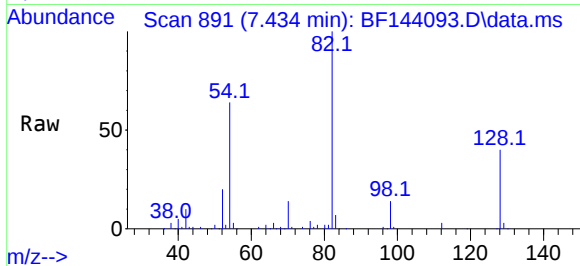




#25
Isophorone
Concen: 13.667 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.265 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

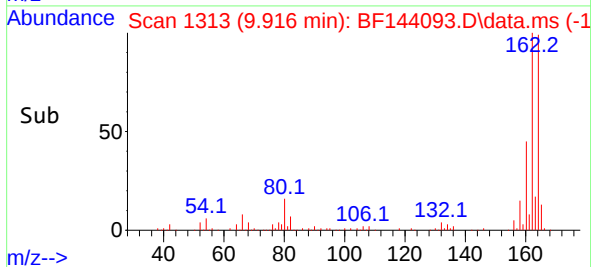
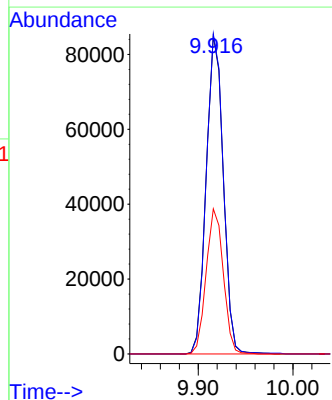
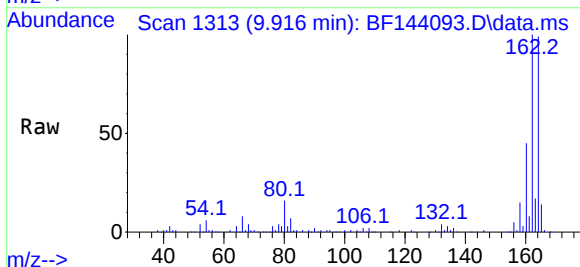
Instrument :
BNA_F
ClientSampleId :
JB-2

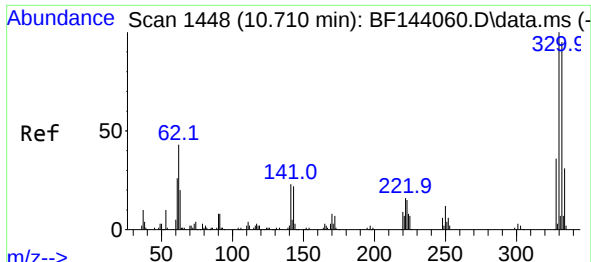
Tgt Ion: 82 Resp: 91021
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Tgt Ion:164 Resp: 106374
Ion Ratio Lower Upper
164 100
162 100.6 79.4 119.2
160 45.6 36.7 55.1

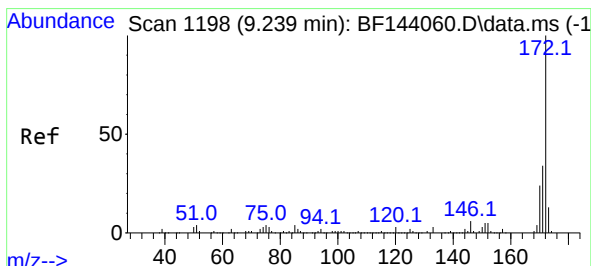
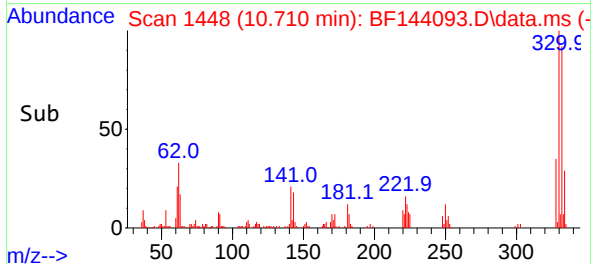
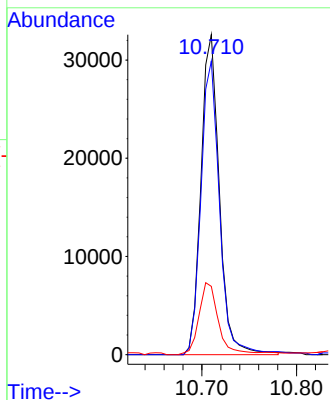
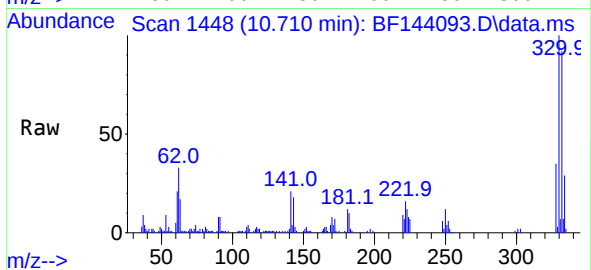




#42
2,4,6-Tribromophenol
Concen: 32.380 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

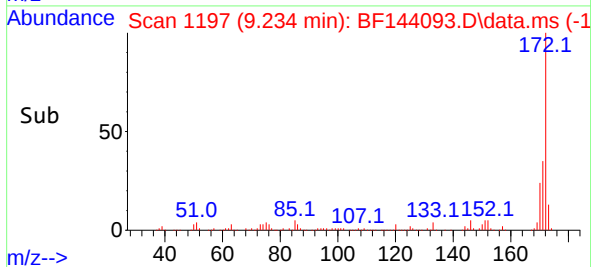
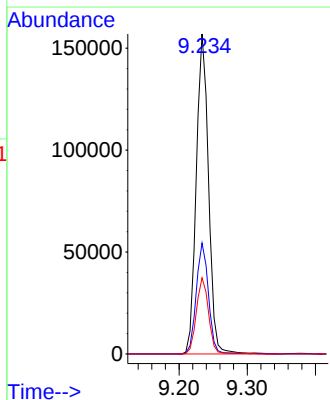
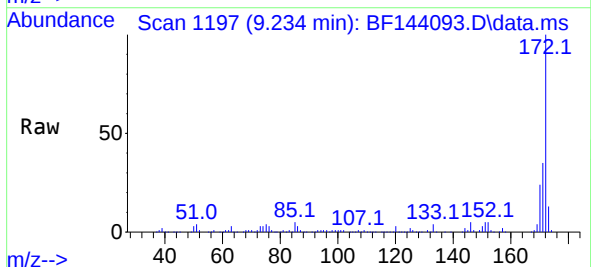
Instrument :
BNA_F
ClientSampleId :
JB-2

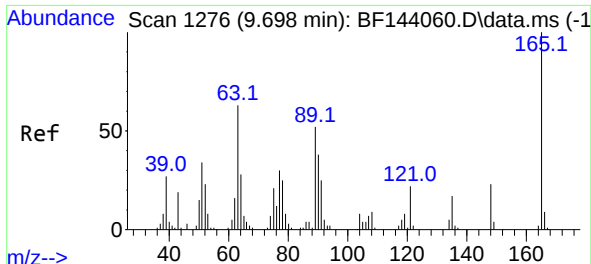
Tgt Ion:330 Resp: 43875
Ion Ratio Lower Upper
330 100
332 93.8 77.0 115.6
141 23.8 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 26.039 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Tgt Ion:172 Resp: 196832
Ion Ratio Lower Upper
172 100
171 34.7 27.5 41.3
170 23.8 19.0 28.6

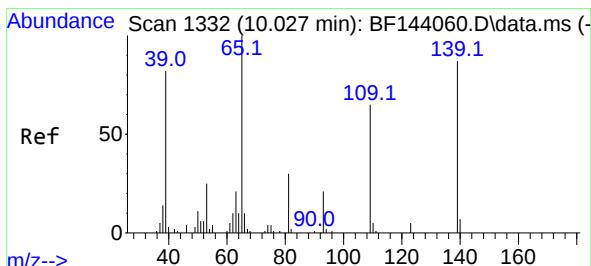
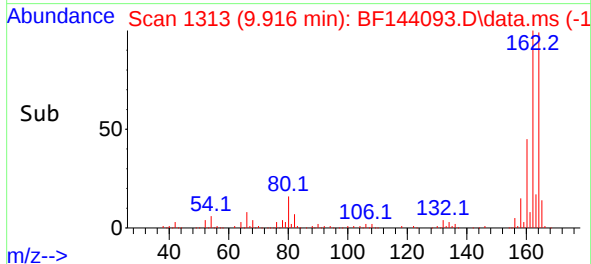
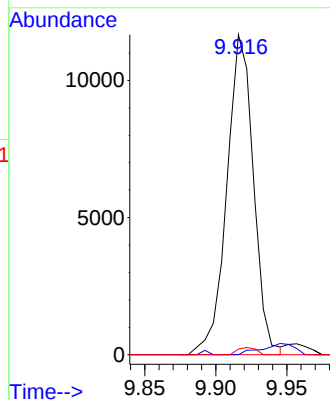
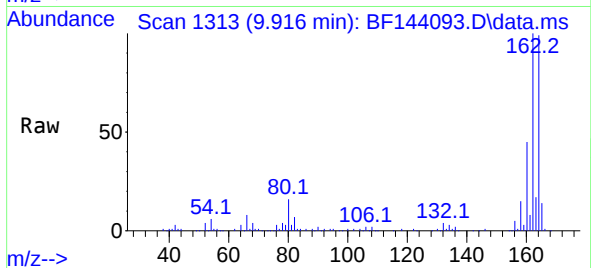




#51
2,6-Dinitrotoluene
Concen: 11.063 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

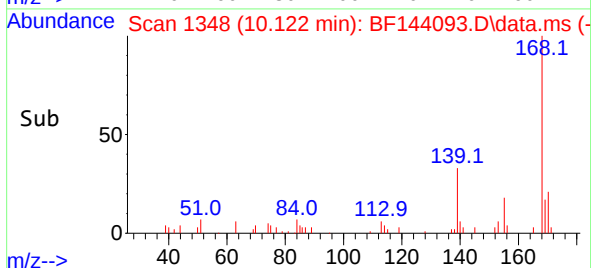
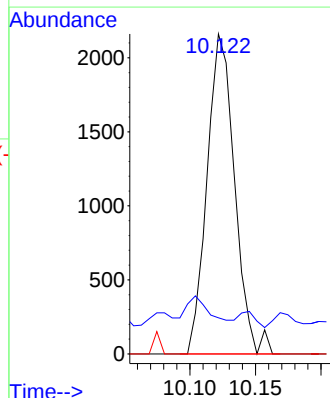
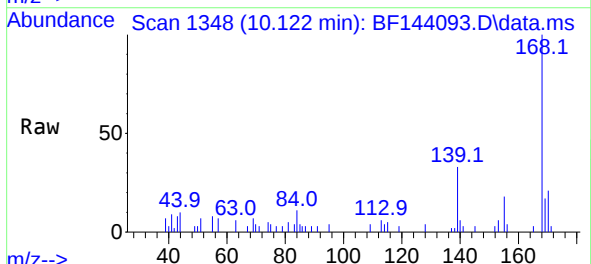
Instrument :
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ClientSampleId :
JB-2

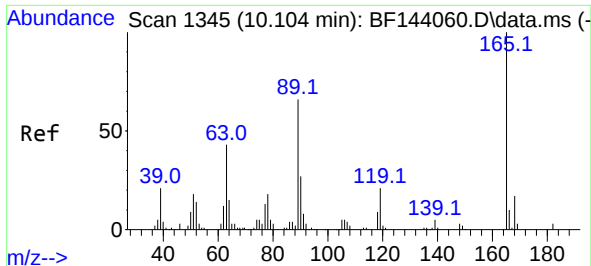
Tgt Ion:165 Resp: 15250
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 1.8 41.4 62.2#



#56
4-Nitrophenol
Concen: 3.039 ng
RT: 10.122 min Scan# 1348
Delta R.T. 0.094 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

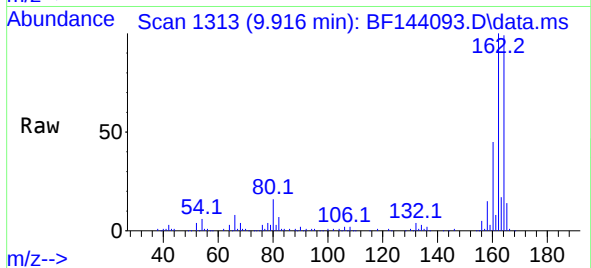
Tgt Ion:139 Resp: 3154
Ion Ratio Lower Upper
139 100
109 11.3 53.8 93.8#
65 0.0 95.9 135.9#



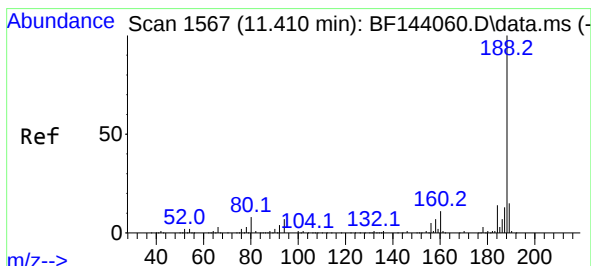
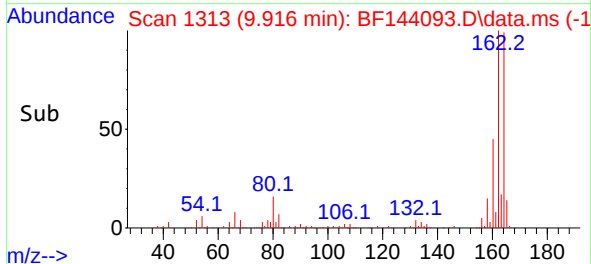
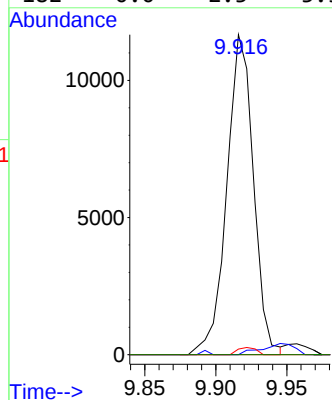


#57
2,4-Dinitrotoluene
Concen: 8.197 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Instrument :
BNA_F
ClientSampleId :
JB-2

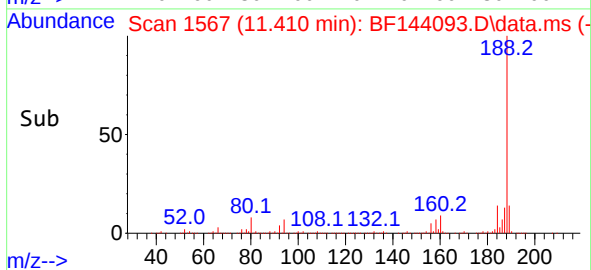
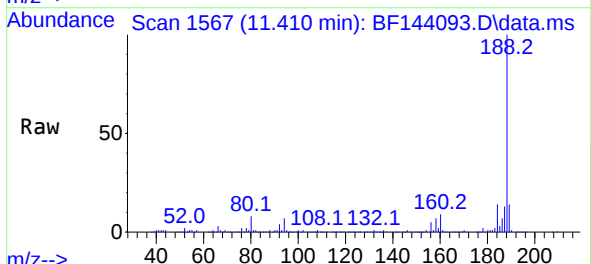
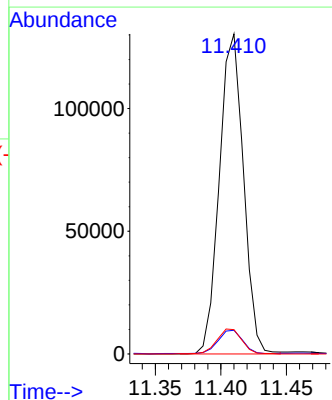


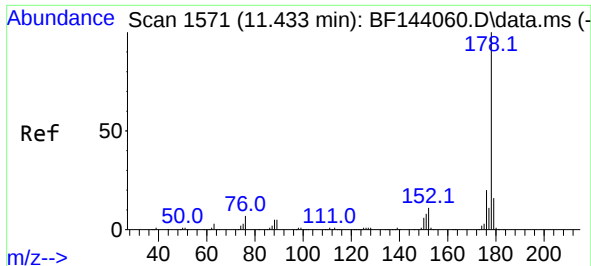
Tgt Ion:165 Resp: 15250
Ion Ratio Lower Upper
165 100
63 0.0 35.4 53.2#
89 1.8 52.7 79.1#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Tgt Ion:188 Resp: 166607
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.0
80 7.6 6.0 9.0

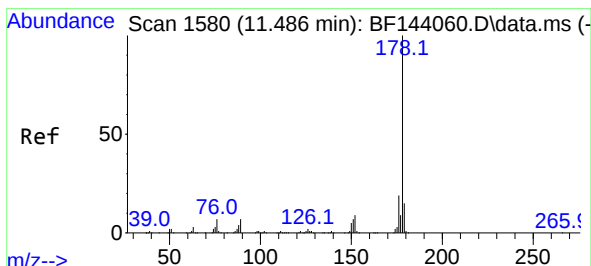
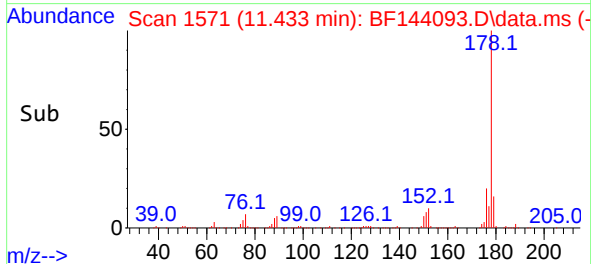
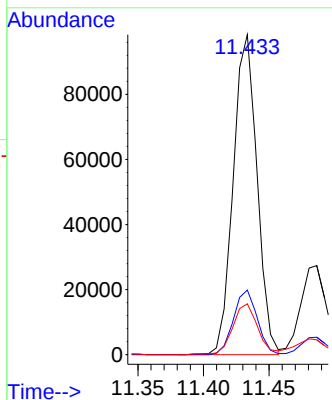
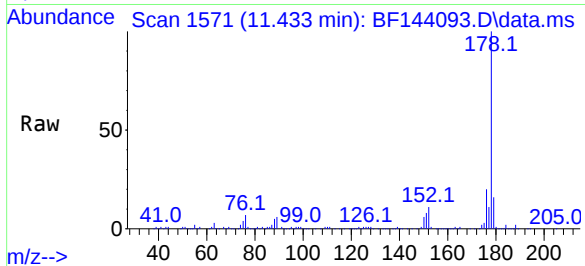




#71
Phenanthrene
Concen: 14.998 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

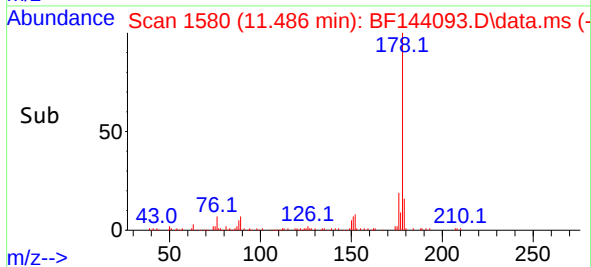
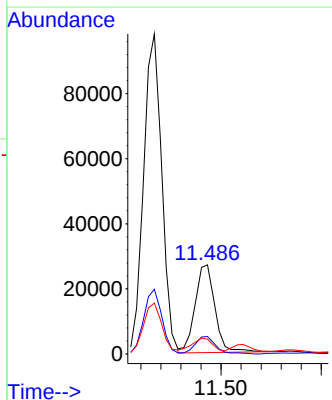
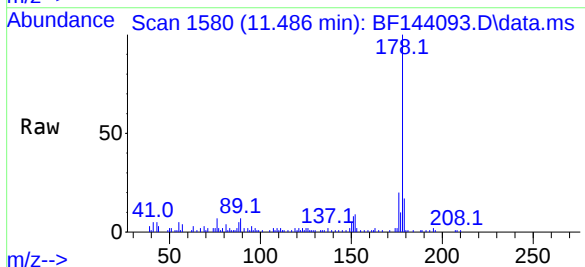
Instrument :
BNA_F
ClientSampleId :
JB-2

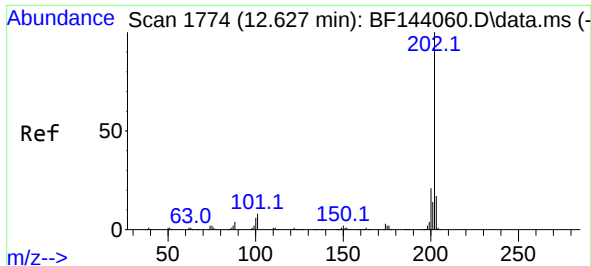
Tgt Ion:178 Resp: 124130
Ion Ratio Lower Upper
178 100
176 20.2 16.3 24.5
179 15.9 12.6 18.8



#72
Anthracene
Concen: 4.346 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Tgt Ion:178 Resp: 37153
Ion Ratio Lower Upper
178 100
176 19.6 15.0 22.4
179 16.6 11.8 17.6

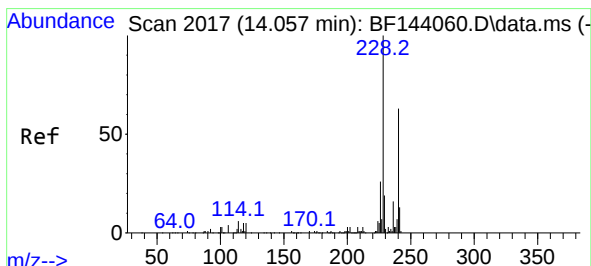
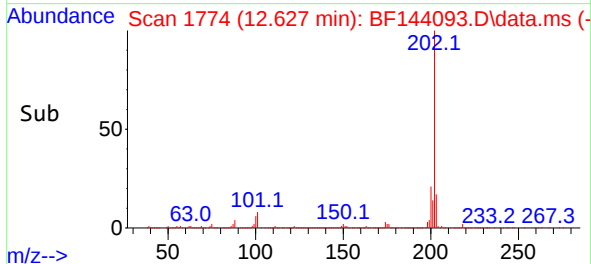
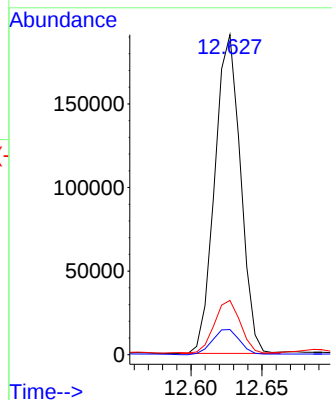
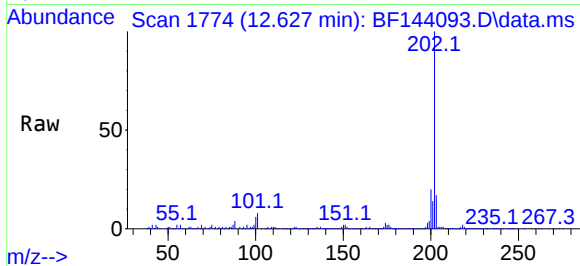




#75
Fluoranthene
Concen: 26.303 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

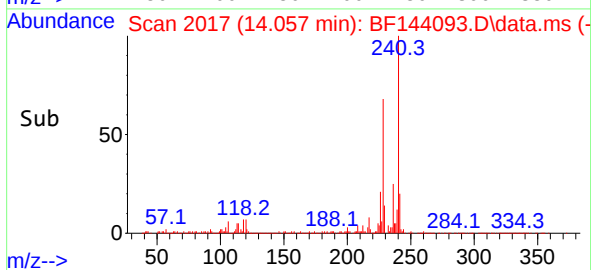
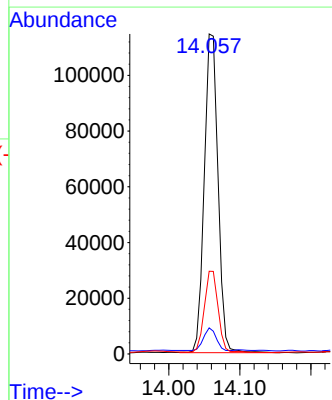
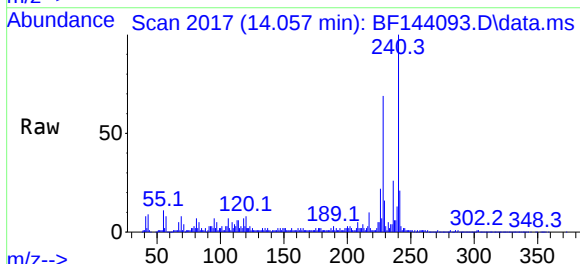
Instrument :
BNA_F
ClientSampleId :
JB-2

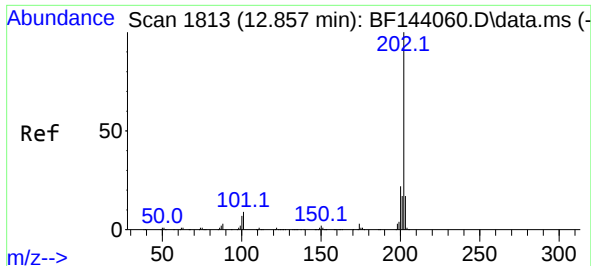
Tgt Ion:202 Resp: 240505
Ion Ratio Lower Upper
202 100
101 7.9 0.0 27.7
203 17.0 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Tgt Ion:240 Resp: 154272
Ion Ratio Lower Upper
240 100
120 8.1 6.5 9.7
236 25.9 20.1 30.1

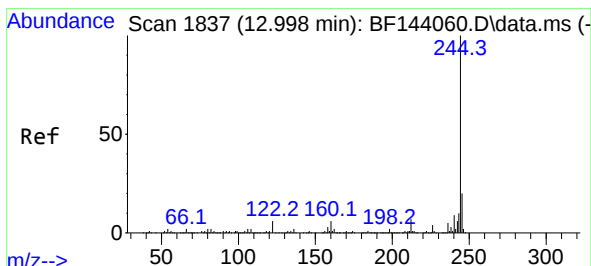
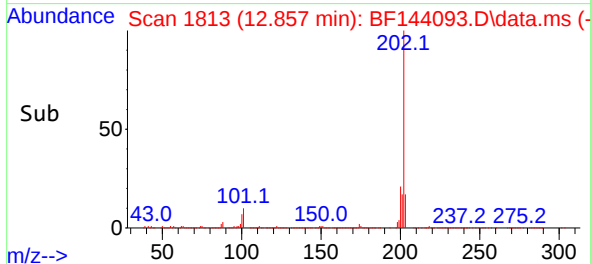
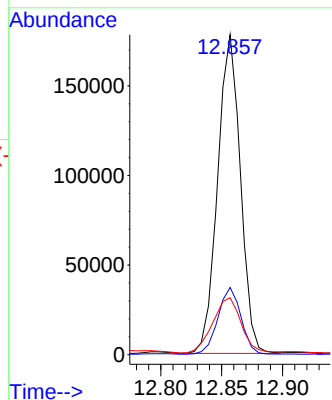
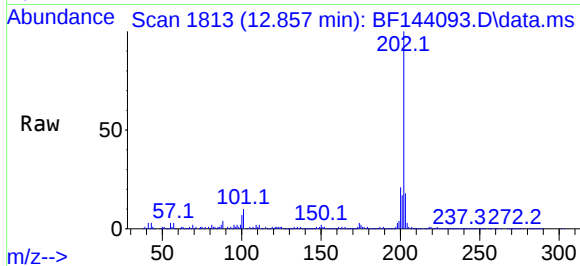




#78
Pyrene
Concen: 20.858 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

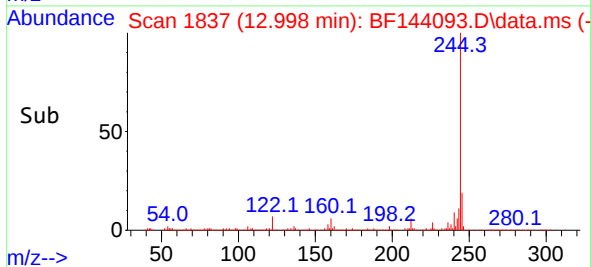
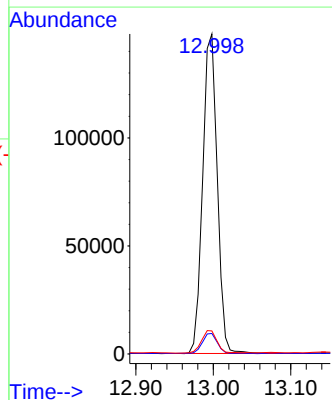
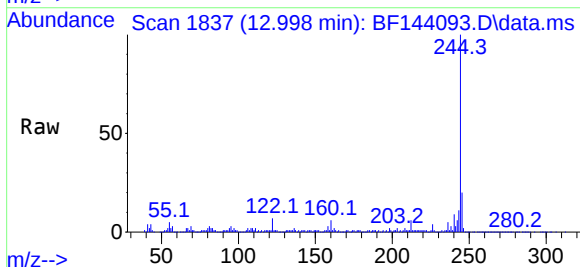
Instrument :
BNA_F
ClientSampleId :
JB-2

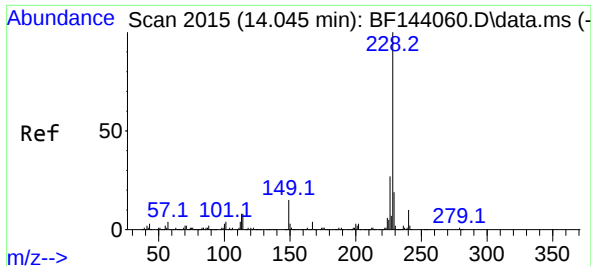
Tgt Ion:202 Resp: 231343
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.8 13.5 20.3



#79
Terphenyl-d14
Concen: 21.886 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Tgt Ion:244 Resp: 193135
Ion Ratio Lower Upper
244 100
212 6.4 5.8 8.6
122 7.2 4.9 7.3

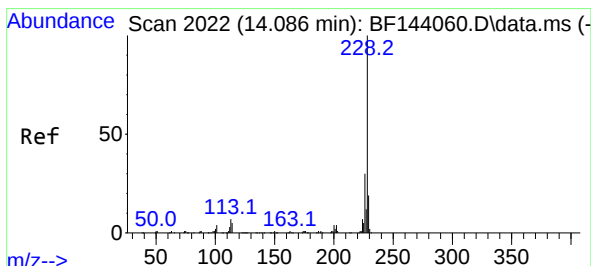
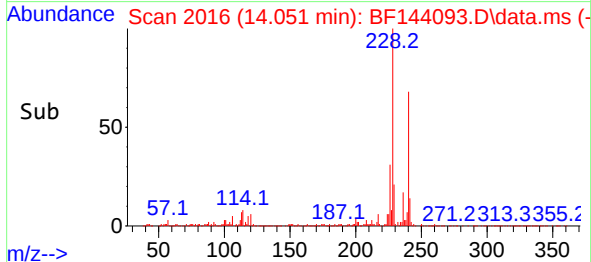
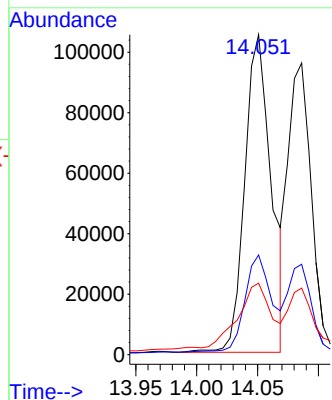
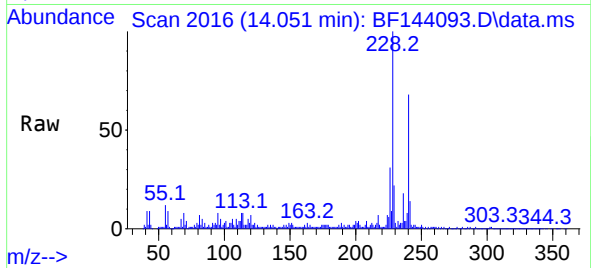




#81
Benzo(a)anthracene
Concen: 15.216 ng
RT: 14.051 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

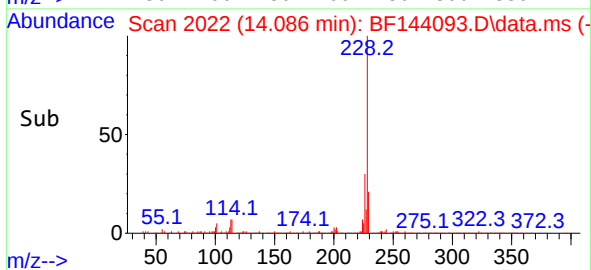
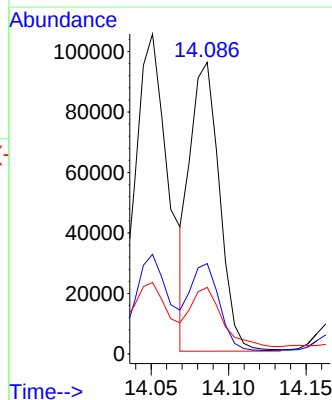
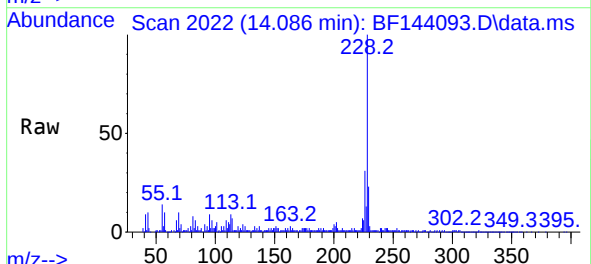
Instrument :
BNA_F
ClientSampleId :
JB-2

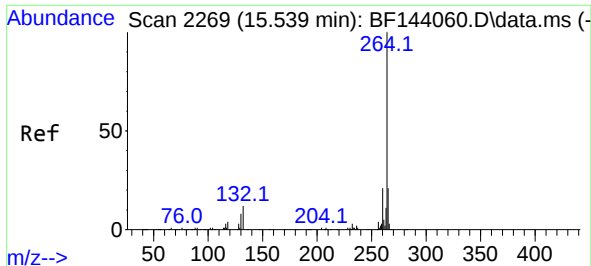
Tgt Ion:228 Resp: 158642
Ion Ratio Lower Upper
228 100
226 31.2 21.4 32.2
229 22.4 15.3 22.9



#83
Chrysene
Concen: 12.922 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Tgt Ion:228 Resp: 126427
Ion Ratio Lower Upper
228 100
226 31.0 23.8 35.6
229 22.8 15.6 23.4



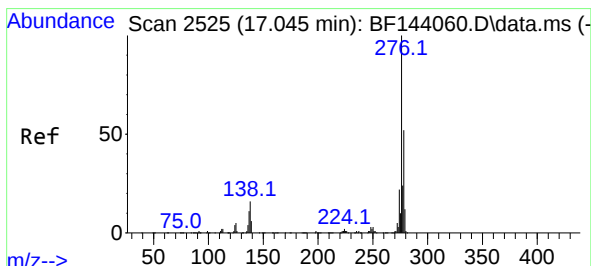
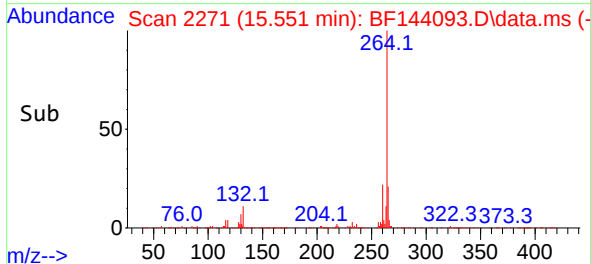
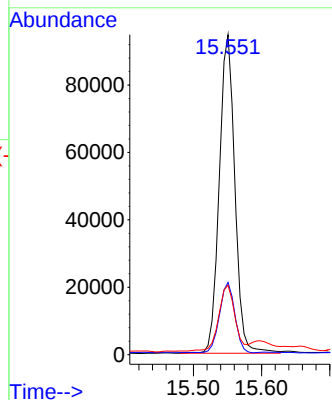
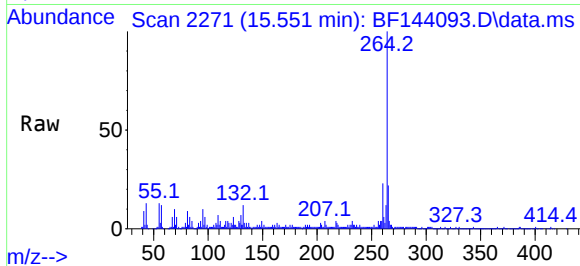


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Instrument :
BNA_F
ClientSampleId :
JB-2

Tgt Ion:264 Resp: 150776

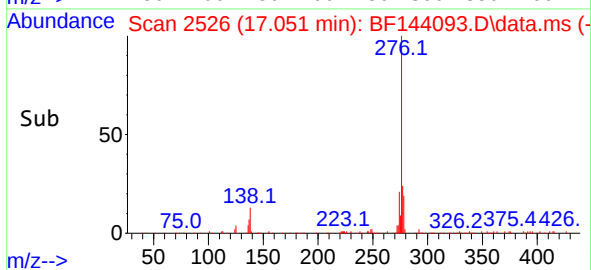
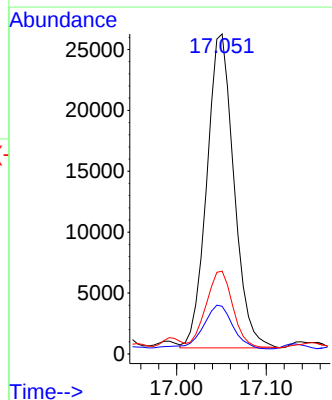
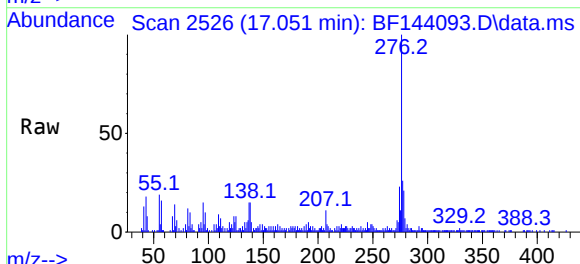
Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.0	25.4
265	21.7	16.6	24.8

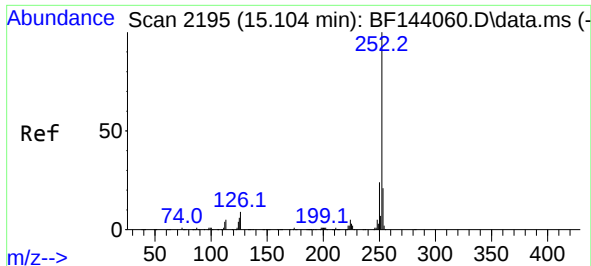


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.240 ng
RT: 17.051 min Scan# 2526
Delta R.T. 0.006 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Tgt Ion:276 Resp: 54243

Ion	Ratio	Lower	Upper
276	100		
138	15.5	13.0	19.6
277	23.9	19.4	29.0

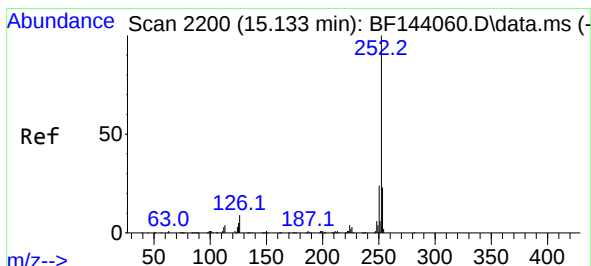
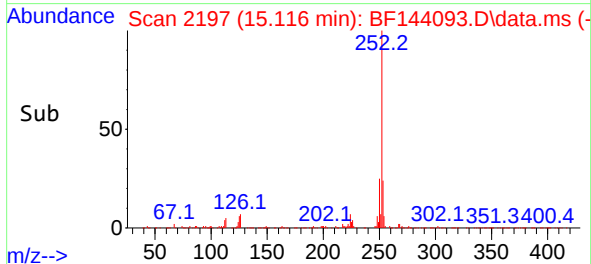
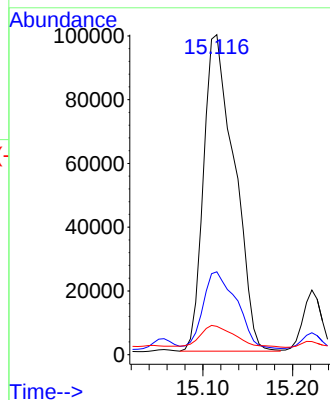
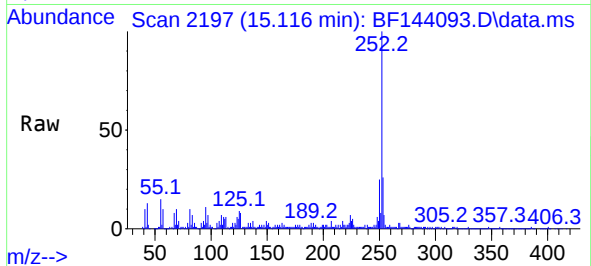




#88
Benzo(b)fluoranthene
Concen: 27.775 ng
RT: 15.116 min Scan# 2197
Delta R.T. 0.012 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

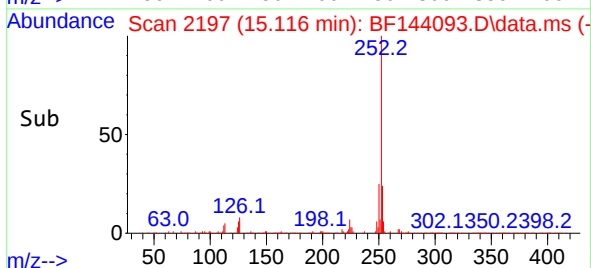
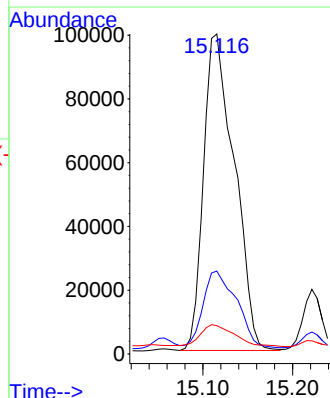
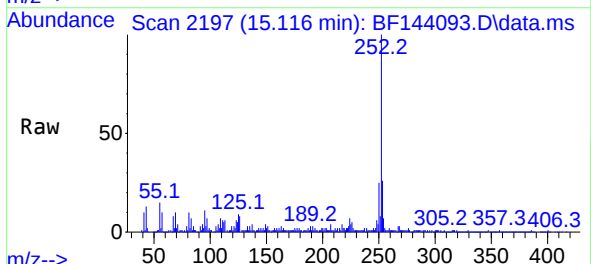
Instrument :
BNA_F
ClientSampleId :
JB-2

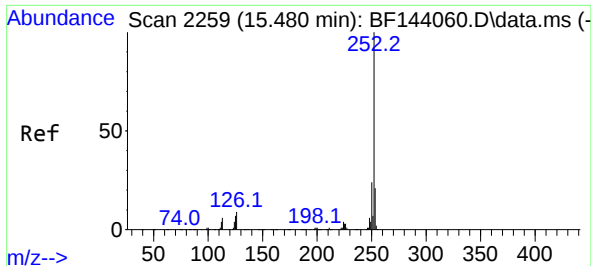
Tgt Ion:252 Resp: 236750
Ion Ratio Lower Upper
252 100
253 25.9 17.2 25.8#
125 8.9 5.0 7.6#



#89
Benzo(k)fluoranthene
Concen: 30.104 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.017 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Tgt Ion:252 Resp: 236750
Ion Ratio Lower Upper
252 100
253 25.9 17.4 26.2
125 8.9 4.9 7.3#

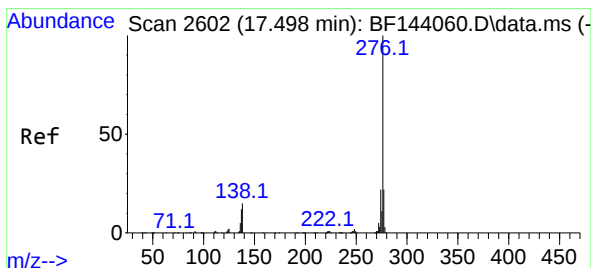
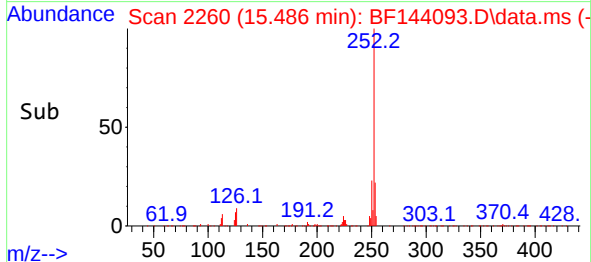
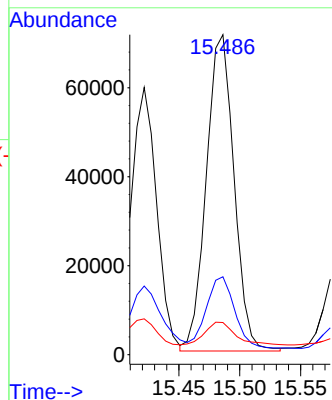
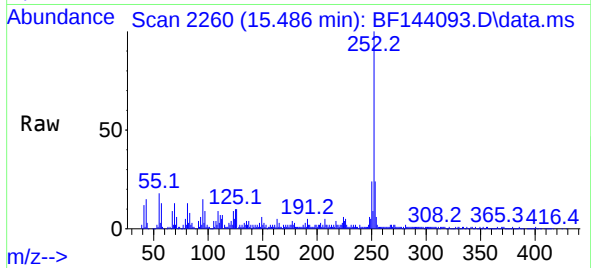




#90
Benzo(a)pyrene
Concen: 14.764 ng
RT: 15.486 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Instrument :
BNA_F
ClientSampleId :
JB-2

Tgt Ion:252 Resp: 112903
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 10.1 5.4 8.2#



#92
Benzo(g,h,i)perylene
Concen: 6.590 ng
RT: 17.504 min Scan# 2603
Delta R.T. 0.006 min
Lab File: BF144093.D
Acq: 27 Oct 2025 20:02

Tgt Ion:276 Resp: 54289
Ion Ratio Lower Upper
276 100
277 23.3 17.9 26.9
138 17.3 12.0 18.0

