

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
 Data File : BF144266.D
 Acq On : 17 Nov 2025 14:29
 Operator : RC/JU
 Sample : Q3645-01 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 17 15:52:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

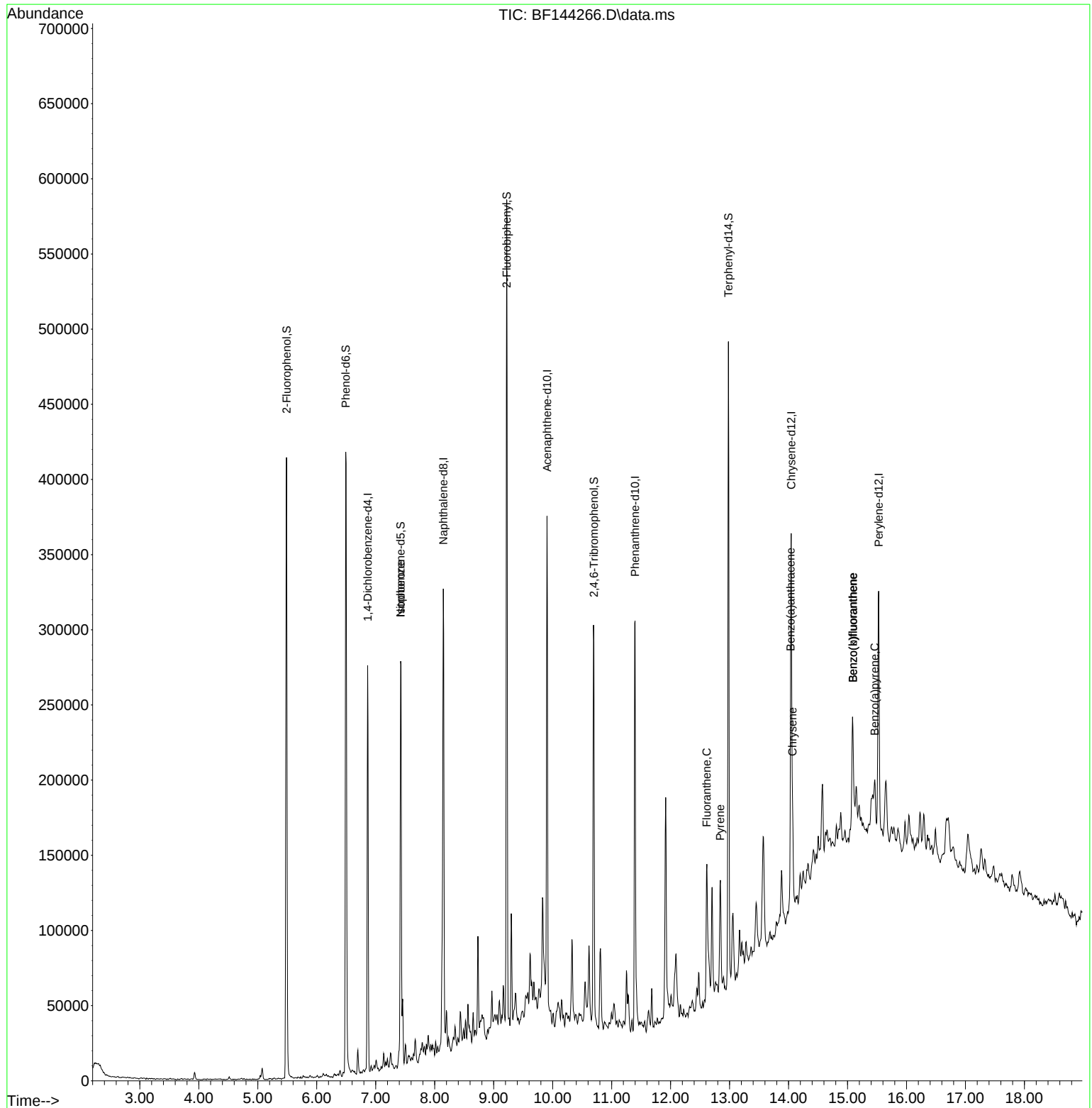
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	54907	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	188429	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	99130	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	153519	20.000	ng	0.00
76) Chrysene-d12	14.045	240	116123	20.000	ng	0.00
86) Perylene-d12	15.527	264	102461	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	164917	47.002	ng	0.00
7) Phenol-d6	6.492	99	187130	47.069	ng	0.00
23) Nitrobenzene-d5	7.422	82	113122	34.673	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	52130	41.906	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	250595	37.336	ng	0.00
79) Terphenyl-d14	12.980	244	222367	30.417	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.422	82	111895	18.132	ng	# 66
75) Fluoranthene	12.610	202	40245	5.097	ng	99
78) Pyrene	12.839	202	39326	4.200	ng	98
81) Benzo(a)anthracene	14.033	228	19829	2.464	ng	# 92
83) Chrysene	14.068	228	18420	2.479	ng	# 88
88) Benzo(b)fluoranthene	15.092	252	29448	5.055	ng	# 79
89) Benzo(k)fluoranthene	15.092	252	29448	5.401	ng	# 81
90) Benzo(a)pyrene	15.462	252	14782	2.751	ng	# 85

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

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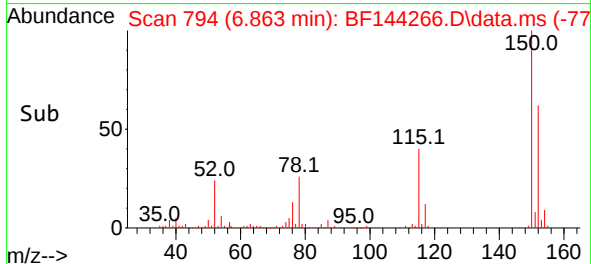
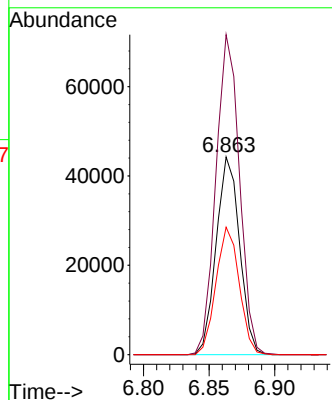
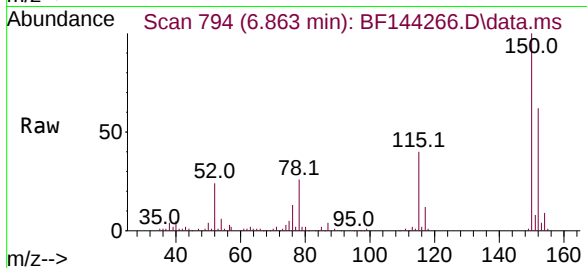




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

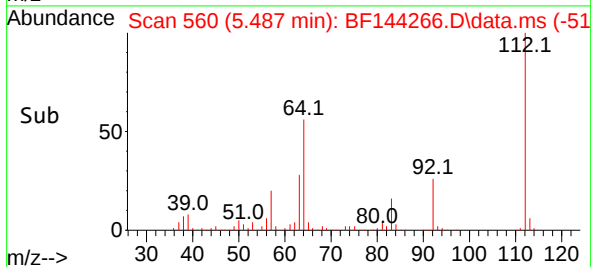
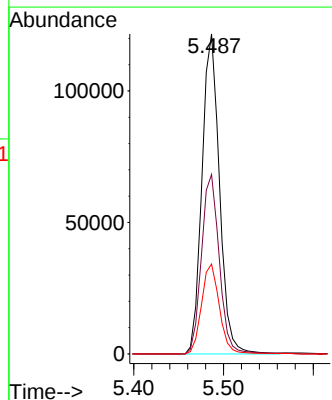
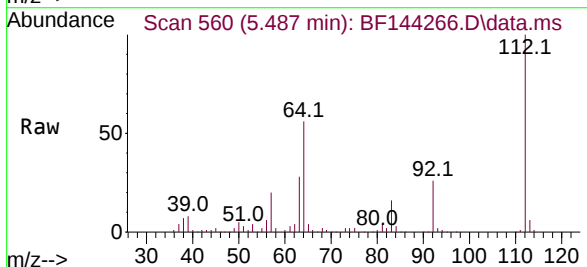
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 54907
Ion Ratio Lower Upper
152 100
150 161.9 127.4 191.0
115 64.5 49.5 74.3



#5
2-Fluorophenol
Concen: 47.002 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

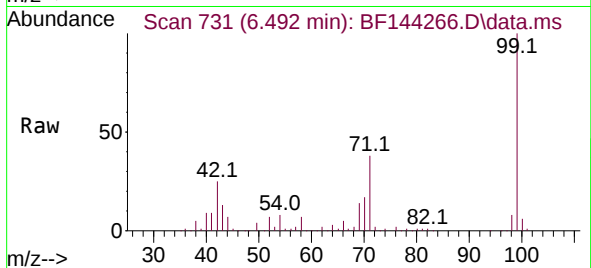
Tgt Ion:112 Resp: 164917
Ion Ratio Lower Upper
112 100
64 56.1 47.2 70.8
63 28.1 24.4 36.6



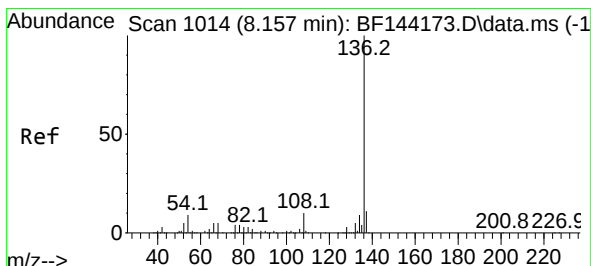
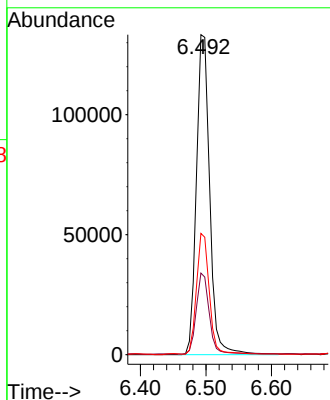
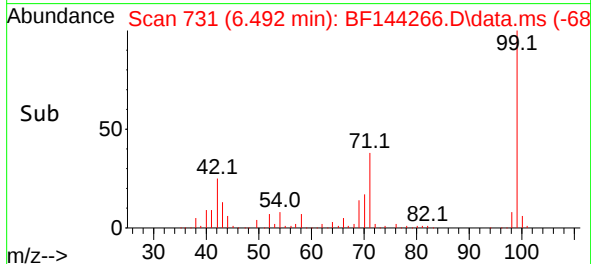


#7
Phenol-d6
Concen: 47.069 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

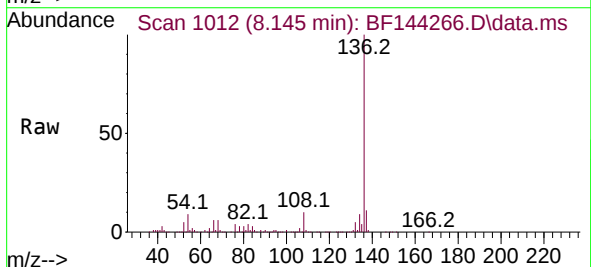
Instrument :
BNA_F
ClientSampleId :



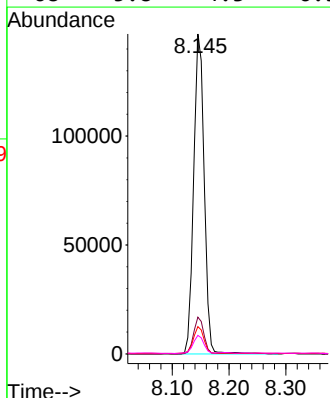
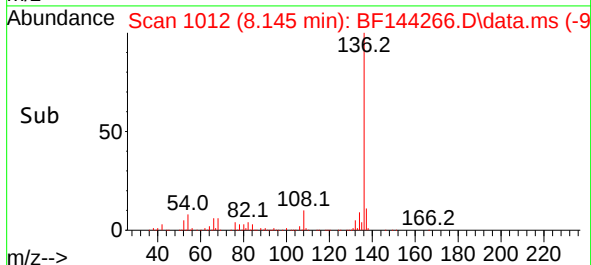
Tgt Ion:	99	Resp:	187130
Ion	Ratio	Lower	Upper
99	100		
42	25.5	20.9	31.3
71	37.9	31.4	47.2

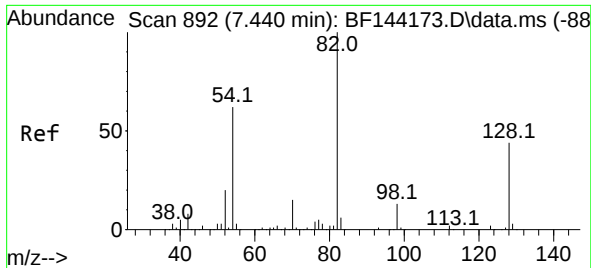


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29



Tgt Ion:	136	Resp:	188429
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.6	13.0
54	8.5	7.0	10.6
68	5.8	4.3	6.5





#23

Nitrobenzene-d5

Concen: 34.673 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144266.D

Acq: 17 Nov 2025 14:29

Instrument :

BNA_F

ClientSampleId :

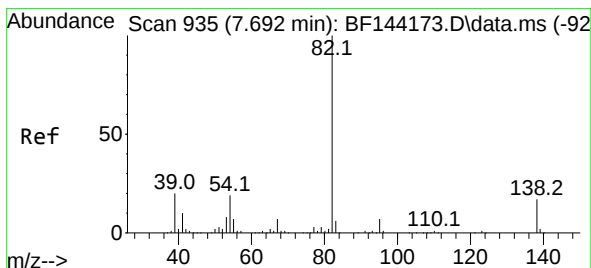
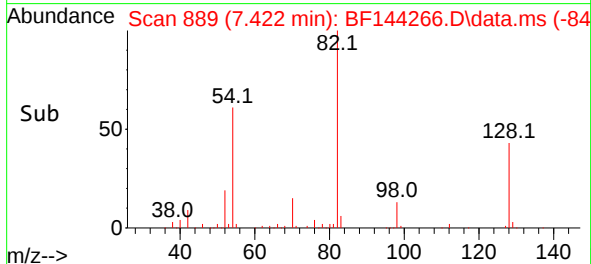
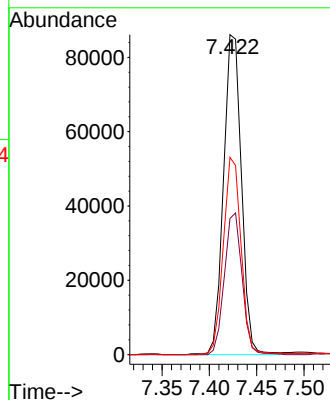
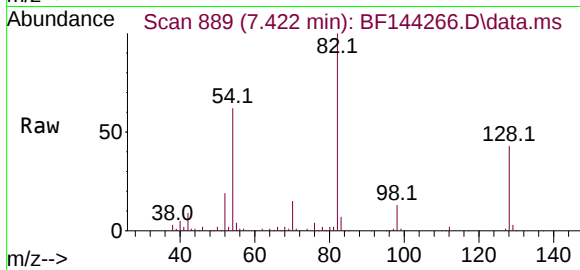
Tgt Ion: 82 Resp: 113122

Ion Ratio Lower Upper

82 100

128 42.5 34.7 52.1

54 61.6 49.5 74.3



#25

Isophorone

Concen: 18.132 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.265 min

Lab File: BF144266.D

Acq: 17 Nov 2025 14:29

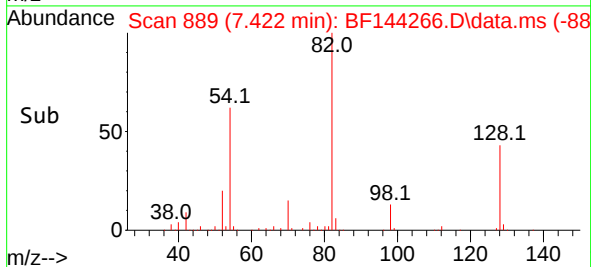
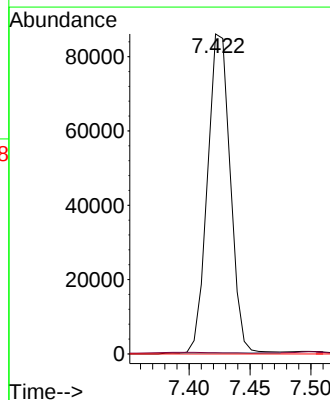
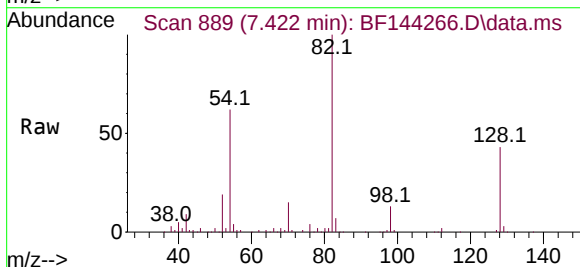
Tgt Ion: 82 Resp: 111895

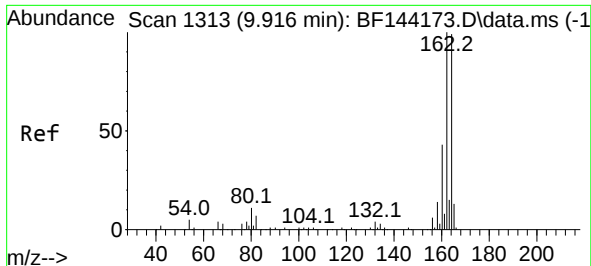
Ion Ratio Lower Upper

82 100

95 0.4 5.5 8.3#

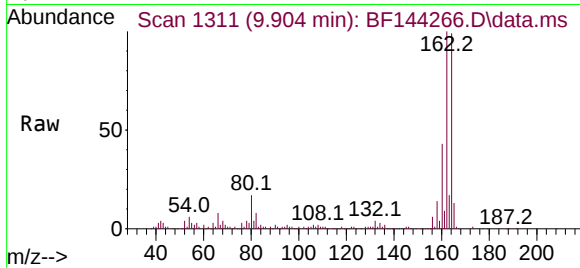
138 0.0 13.7 20.5#



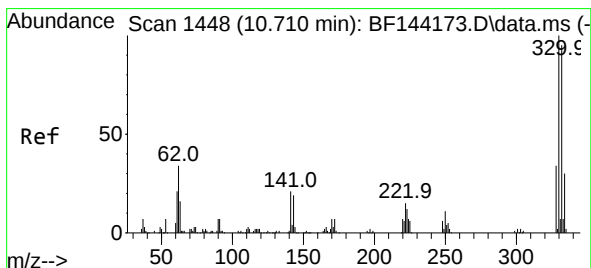
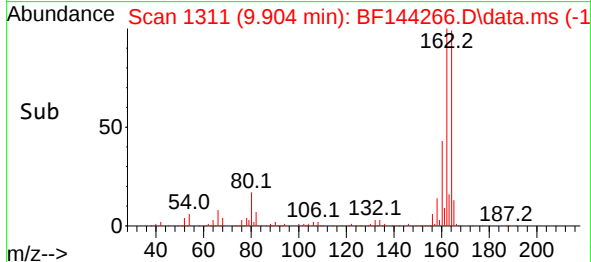
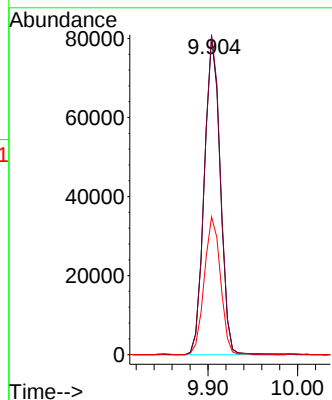


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

Instrument :
BNA_F
ClientSampleId :

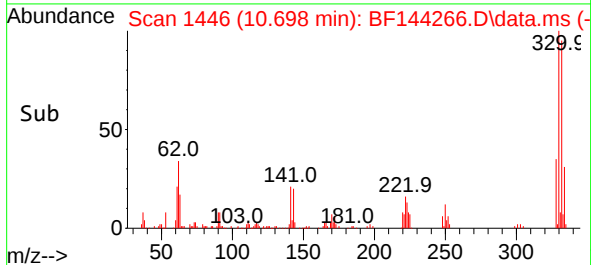
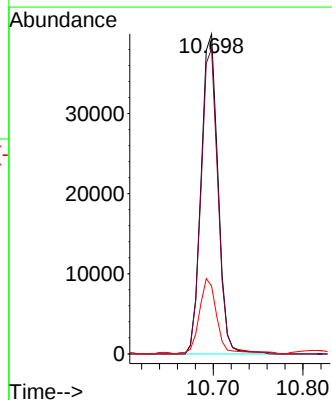
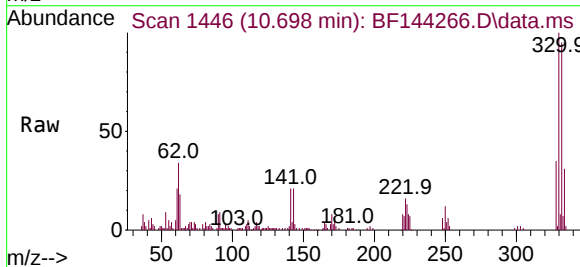


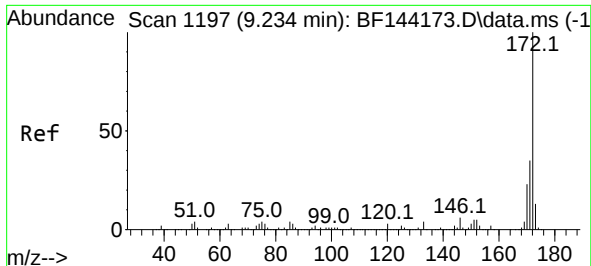
Tgt Ion:164 Resp: 99130
Ion Ratio Lower Upper
164 100
162 100.7 81.1 121.7
160 43.3 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 41.906 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

Tgt Ion:330 Resp: 52130
Ion Ratio Lower Upper
330 100
332 95.5 76.7 115.1
141 24.8 17.8 26.8

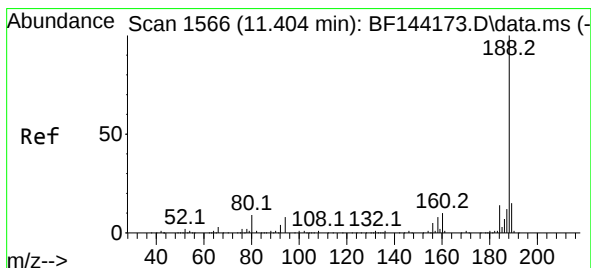
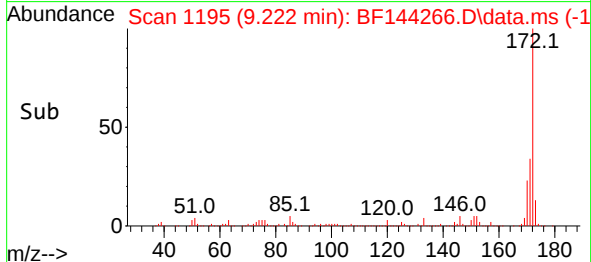
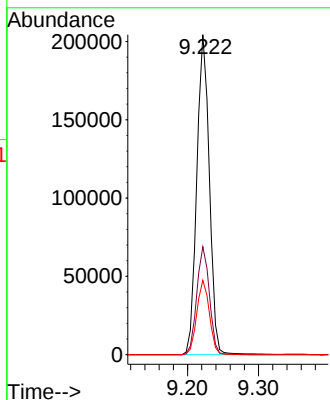
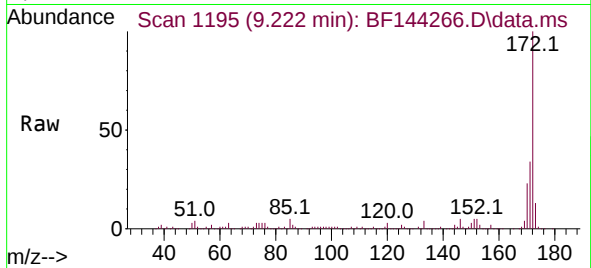




#45
2-Fluorobiphenyl
Concen: 37.336 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

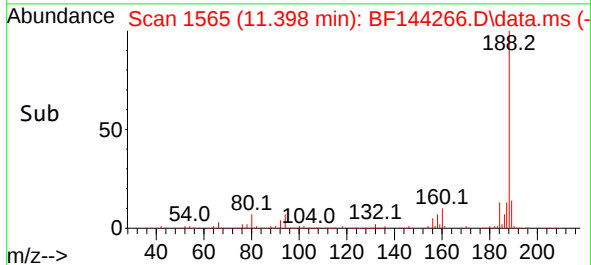
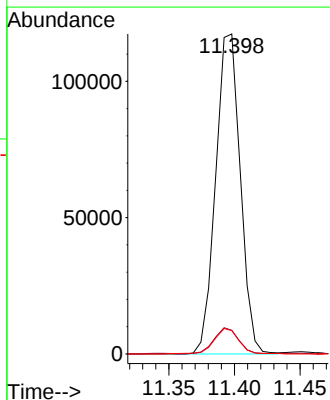
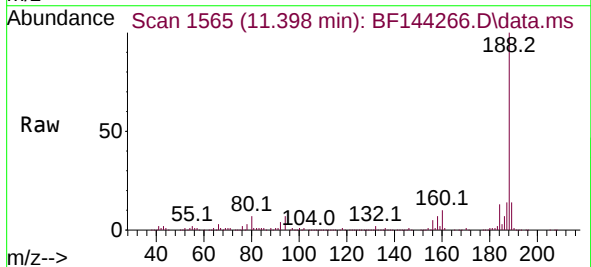
Instrument :
BNA_F
ClientSampleId :

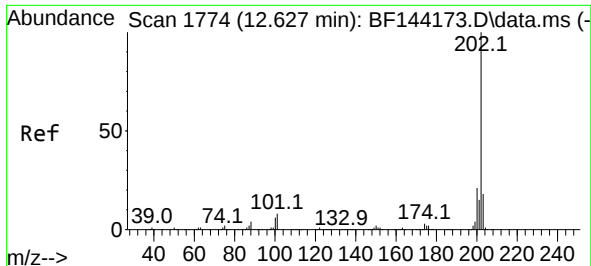
Tgt Ion:172 Resp: 250595
Ion Ratio Lower Upper
172 100
171 33.7 28.1 42.1
170 23.2 18.6 28.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

Tgt Ion:188 Resp: 153519
Ion Ratio Lower Upper
188 100
94 7.4 6.2 9.2
80 7.3 6.9 10.3

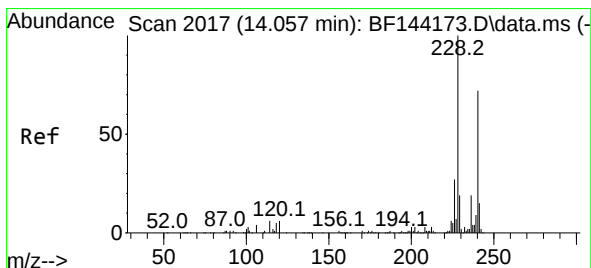
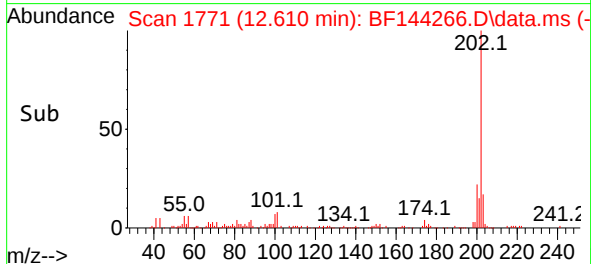
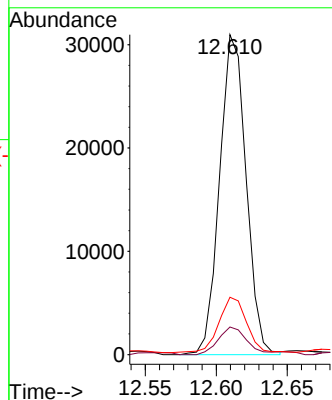
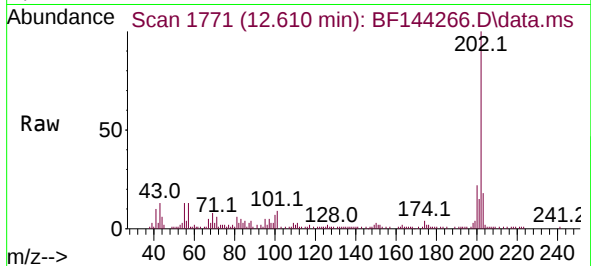




#75
Fluoranthene
Concen: 5.097 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

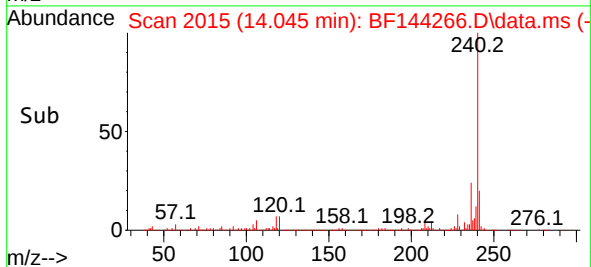
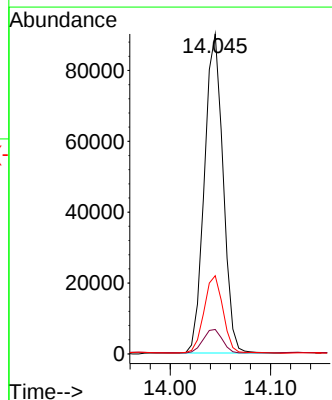
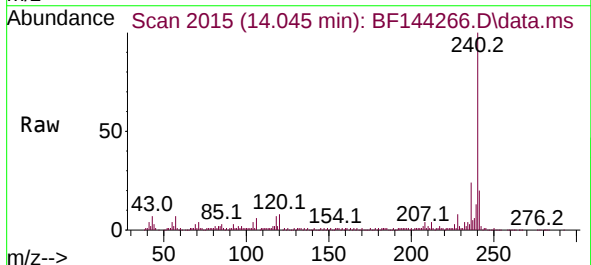
Instrument :
BNA_F
ClientSampleId :

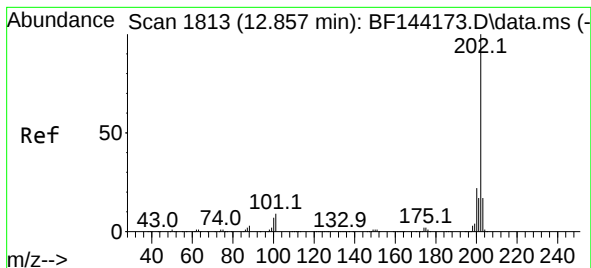
Tgt Ion:202 Resp: 40245
Ion Ratio Lower Upper
202 100
101 8.6 0.0 27.9
203 17.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

Tgt Ion:240 Resp: 116123
Ion Ratio Lower Upper
240 100
120 7.6 6.6 10.0
236 24.4 21.4 32.2





#78

Pyrene

Concen: 4.200 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144266.D

Acq: 17 Nov 2025 14:29

Instrument :

BNA_F

ClientSampleId :

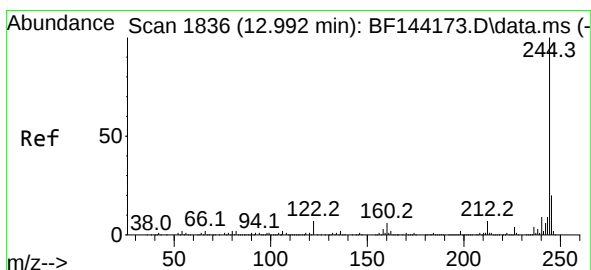
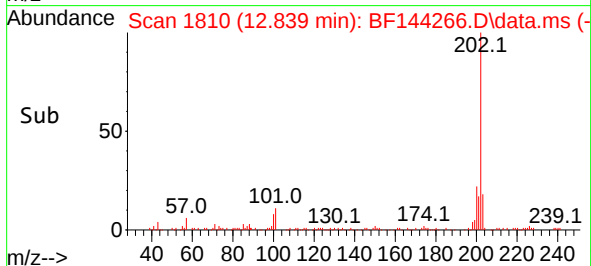
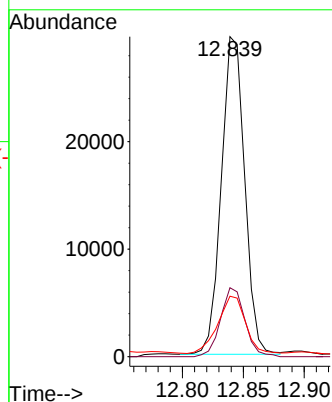
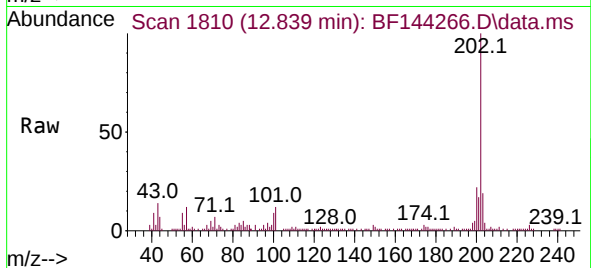
Tgt Ion:202 Resp: 39326

Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

203 18.9 13.7 20.5



#79

Terphenyl-d14

Concen: 30.417 ng

RT: 12.980 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF144266.D

Acq: 17 Nov 2025 14:29

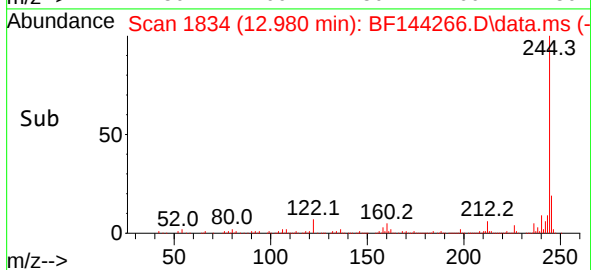
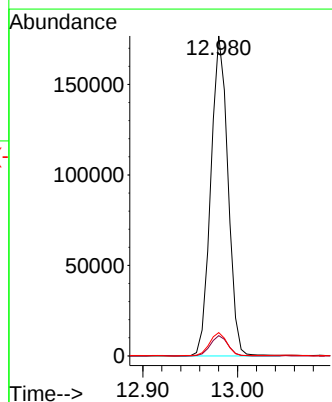
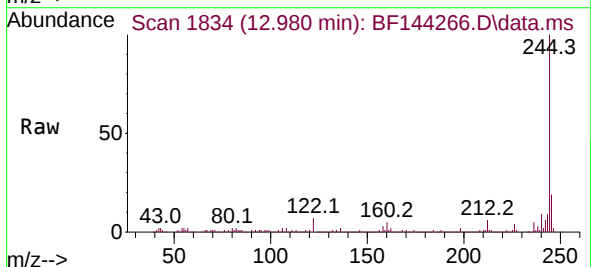
Tgt Ion:244 Resp: 222367

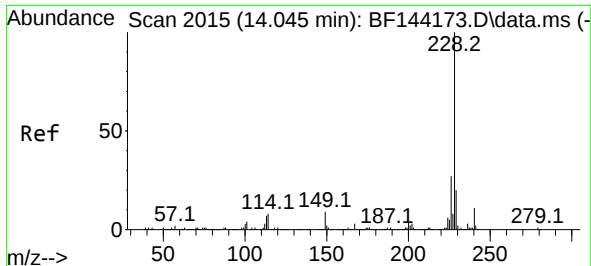
Ion Ratio Lower Upper

244 100

212 6.3 5.3 7.9

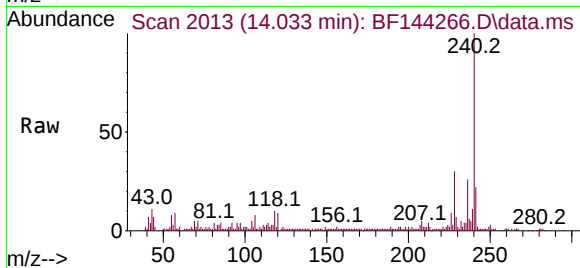
122 7.3 5.6 8.4



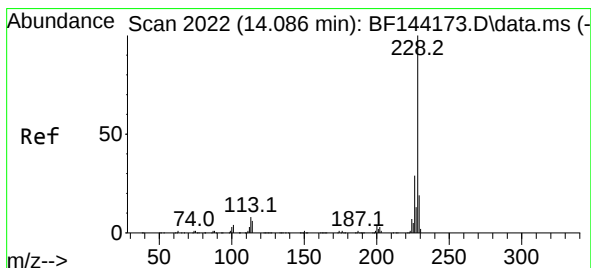
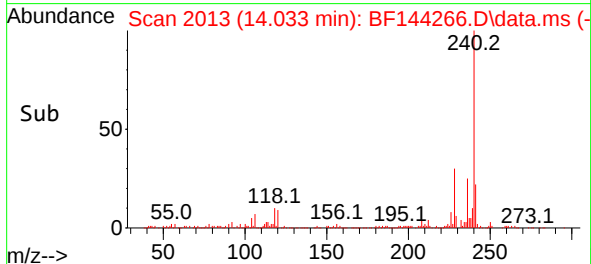
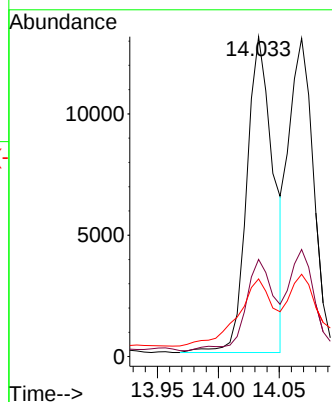


#81
Benzo(a)anthracene
Concen: 2.464 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

Instrument :
BNA_F
ClientSampleId :

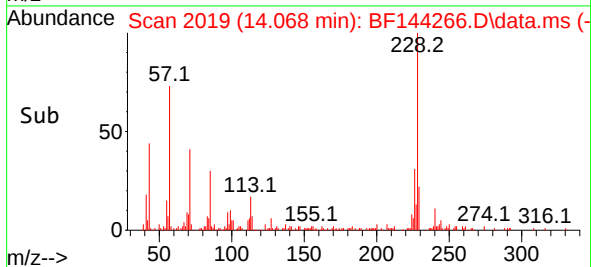
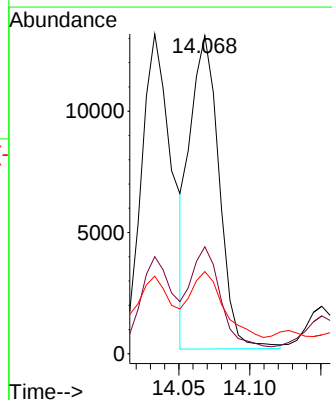
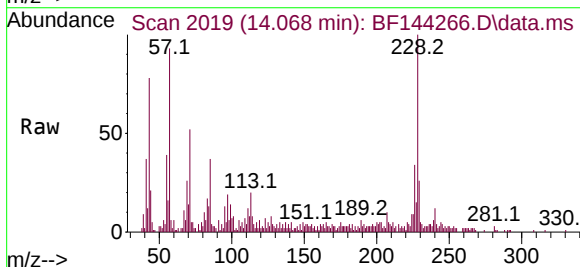


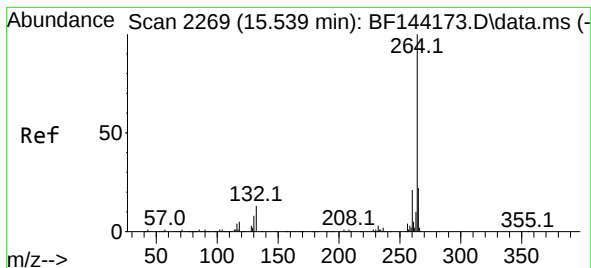
Tgt Ion:228 Resp: 19829
Ion Ratio Lower Upper
228 100
226 30.4 21.8 32.8
229 24.3 15.8 23.6#



#83
Chrysene
Concen: 2.479 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

Tgt Ion:228 Resp: 18420
Ion Ratio Lower Upper
228 100
226 33.6 22.9 34.3
229 25.8 15.0 22.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF144266.D

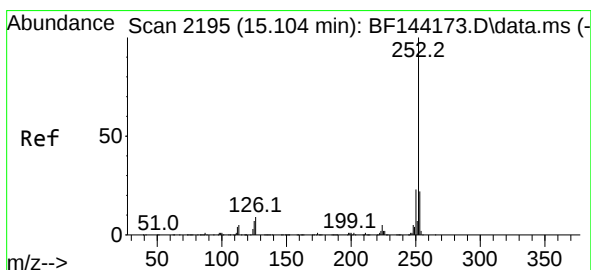
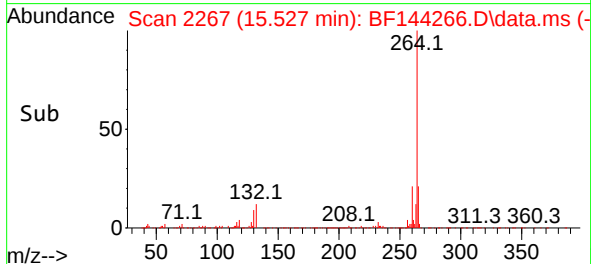
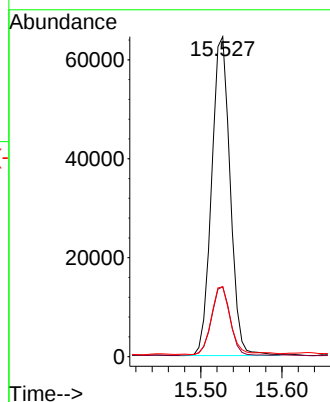
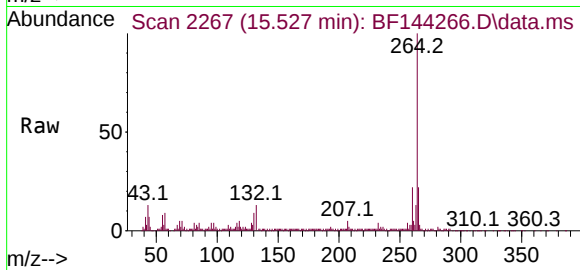
Acq: 17 Nov 2025 14:29

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:264	Resp:	102461
Ion Ratio	Lower	Upper
264	100	
260	21.8	17.1 25.7
265	21.8	17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 5.055 ng

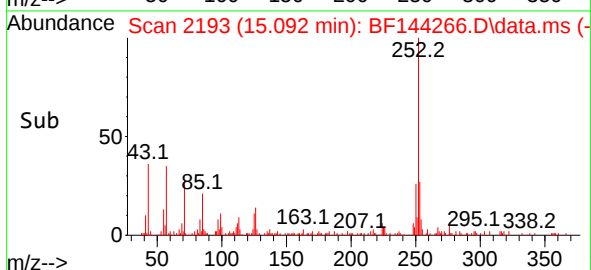
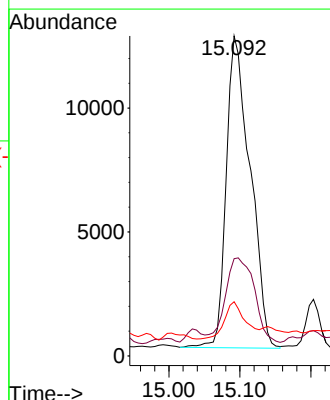
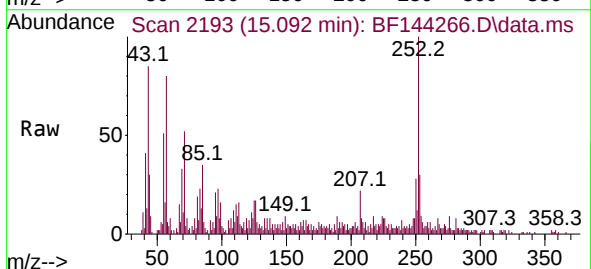
RT: 15.092 min Scan# 2193

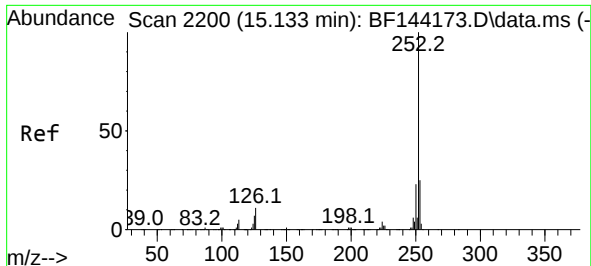
Delta R.T. -0.006 min

Lab File: BF144266.D

Acq: 17 Nov 2025 14:29

Tgt Ion:252	Resp:	29448
Ion Ratio	Lower	Upper
252	100	
253	30.4	17.4 26.2#
125	16.9	5.3 7.9#





#89

Benzo(k)fluoranthene

Concen: 5.401 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.036 min

Lab File: BF144266.D

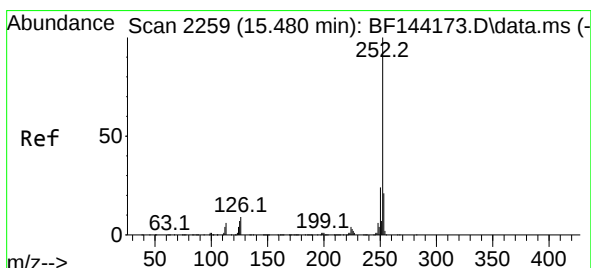
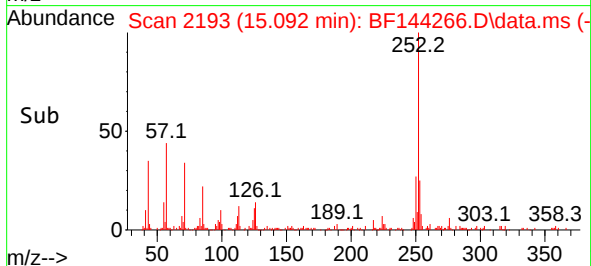
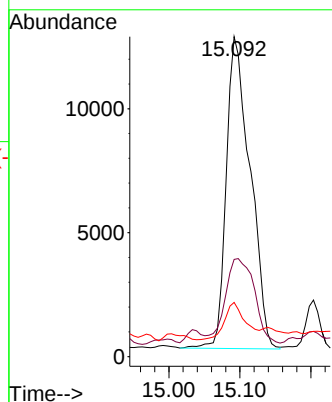
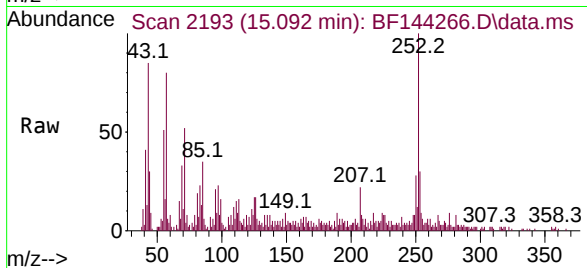
Acq: 17 Nov 2025 14:29

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:252	Resp:	29448
Ion Ratio	Lower	Upper
252	100	
253	30.4	18.0 27.0#
125	16.9	5.4 8.2#



#90

Benzo(a)pyrene

Concen: 2.751 ng

RT: 15.462 min Scan# 2256

Delta R.T. -0.012 min

Lab File: BF144266.D

Acq: 17 Nov 2025 14:29

Tgt Ion:252	Resp:	14782
Ion Ratio	Lower	Upper
252	100	
253	26.2	16.7 25.1#
125	16.2	5.7 8.5#

