

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
 Data File : BF144295.D
 Acq On : 20 Nov 2025 15:30
 Operator : RC/JU
 Sample : Q3669-01 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-11182025

Quant Time: Nov 20 15:49:23 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)

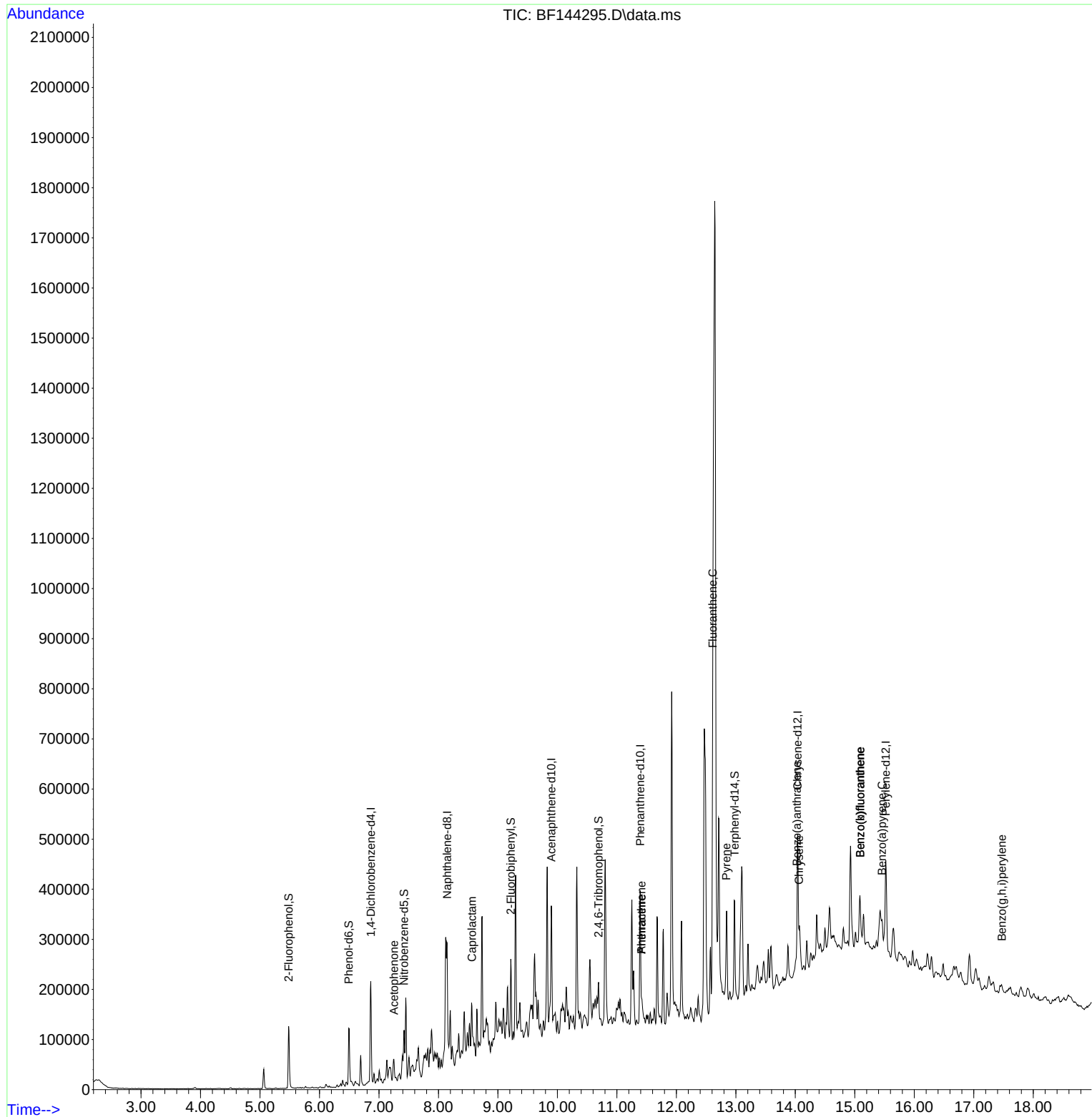
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	39401	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	141650	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	71438	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	138272	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	127014	20.000	ng	-0.01
86) Perylene-d12	15.521	264	103141	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	58130	23.087	ng	-0.01
7) Phenol-d6	6.492	99	60657	21.261	ng	0.00
23) Nitrobenzene-d5	7.422	82	35645	14.534	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	17542	19.568	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	72762	15.043	ng	-0.01
79) Terphenyl-d14	12.980	244	99916	12.495	ng	-0.01
Target Compounds						
						Qvalue
22) Acetophenone	7.251	105	6314	2.078	ng	# 47
35) Caprolactam	8.563	113	3303	5.294	ng	# 1
71) Phenanthrene	11.416	178	19223	2.792	ng	97
72) Anthracene	11.416	178	19223	2.746	ng	97
75) Fluoranthene	12.610	202	48050	6.757	ng	95
78) Pyrene	12.839	202	49218	4.806	ng	98
81) Benzo(a)anthracene	14.027	228	27364	3.108	ng	# 89
83) Chrysene	14.063	228	25220	3.103	ng	# 87
88) Benzo(b)fluoranthene	15.092	252	35799	6.105	ng	# 75
89) Benzo(k)fluoranthene	15.092	252	35799	6.523	ng	# 76
90) Benzo(a)pyrene	15.457	252	17623	3.258	ng	# 80
92) Benzo(g,h,i)perylene	17.474	276	11915	2.029	ng	# 88

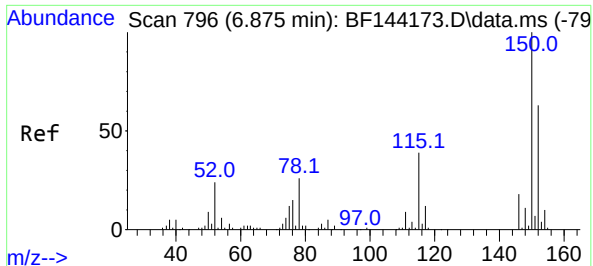
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
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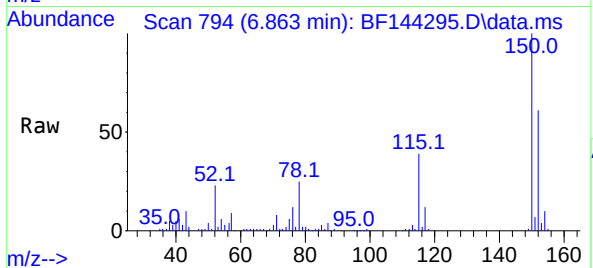
Quant Time: Nov 20 15:49:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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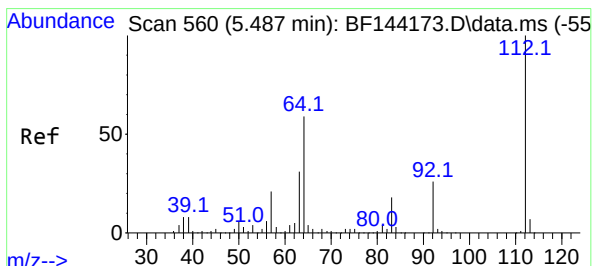
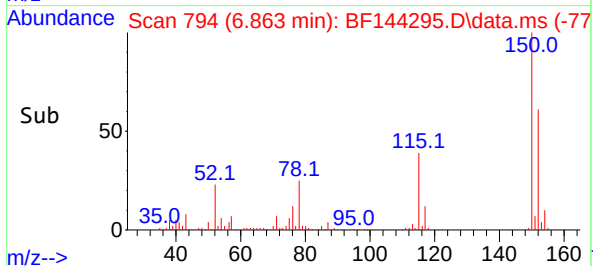
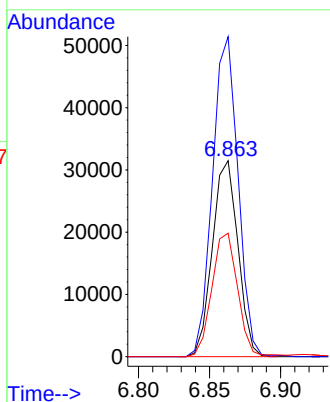


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Instrument :
BNA_F
ClientSampleId :
EO-01-11182025

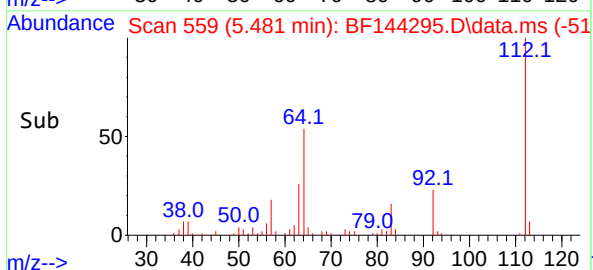
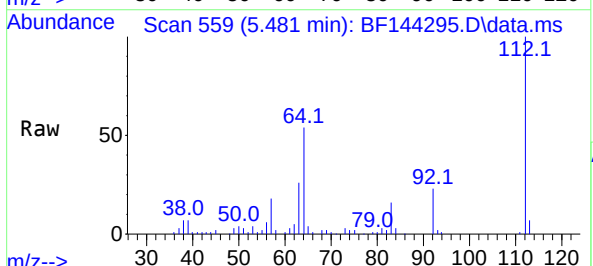
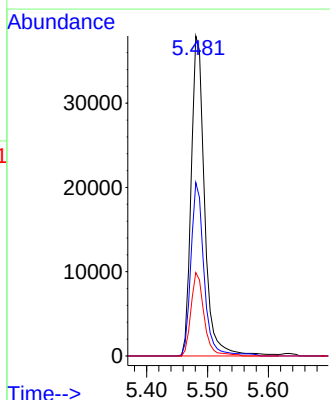


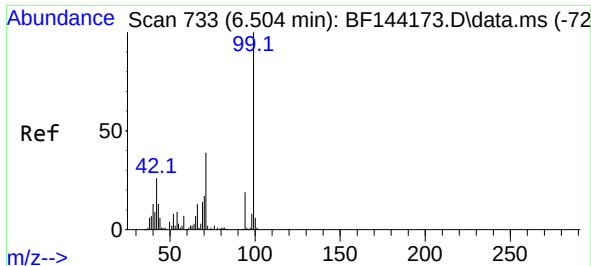
Tgt Ion:152 Resp: 39401
Ion Ratio Lower Upper
152 100
150 163.3 127.4 191.0
115 63.0 49.5 74.3



#5
2-Fluorophenol
Concen: 23.087 ng
RT: 5.481 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Tgt Ion:112 Resp: 58130
Ion Ratio Lower Upper
112 100
64 54.2 47.2 70.8
63 26.0 24.4 36.6

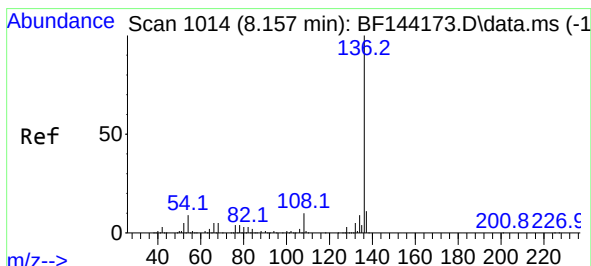
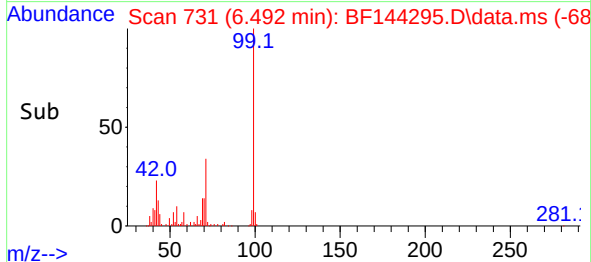
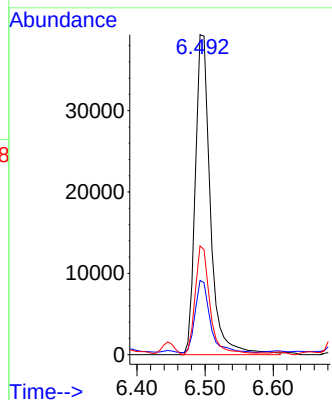
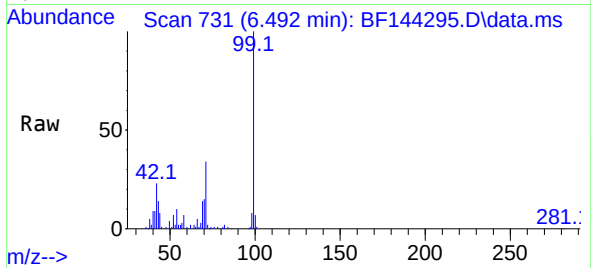




#7
Phenol-d6
Concen: 21.261 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

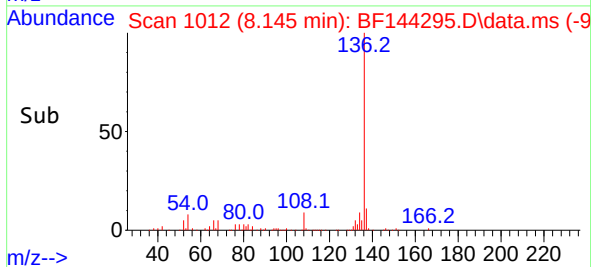
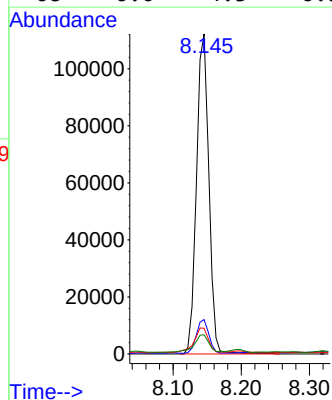
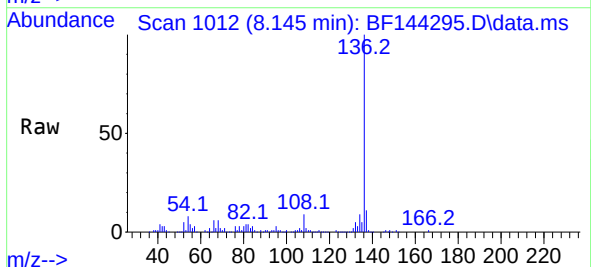
Instrument :
BNA_F
ClientSampleId :
EO-01-11182025

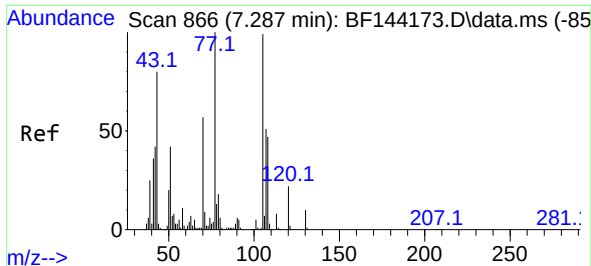
Tgt Ion: 99 Resp: 60657
Ion Ratio Lower Upper
99 100
42 23.2 20.9 31.3
71 34.0 31.4 47.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Tgt Ion: 136 Resp: 141650
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.0 7.0 10.6
68 6.0 4.3 6.5





#22

Acetophenone

Concen: 2.078 ng

RT: 7.251 min Scan# 80

Delta R.T. -0.030 min

Lab File: BF144295.D

Acq: 20 Nov 2025 15:30

Instrument :

BNA_F

ClientSampleId :

EO-01-11182025

Tgt Ion:105 Resp: 6314

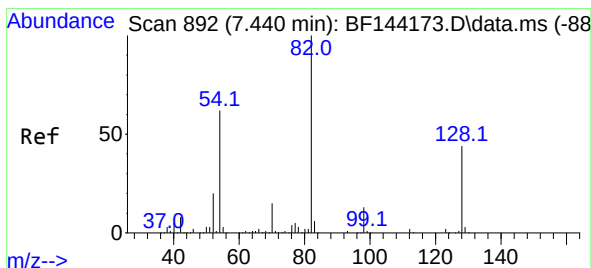
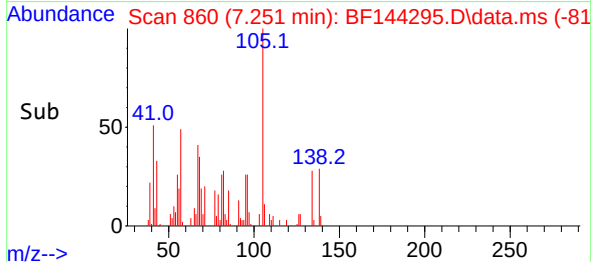
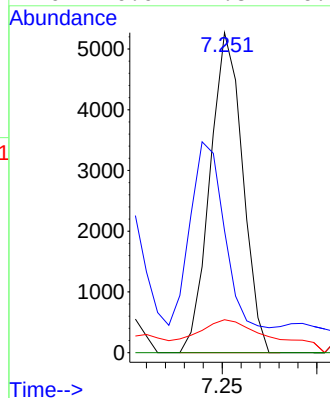
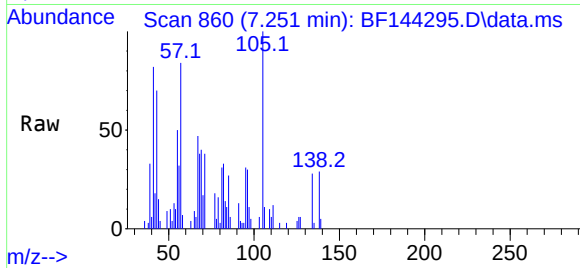
Ion Ratio Lower Upper

105 100

71 38.2 7.2 10.8#

51 10.3 34.0 51.0#

120 0.0 17.8 26.6#



#23

Nitrobenzene-d5

Concen: 14.534 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144295.D

Acq: 20 Nov 2025 15:30

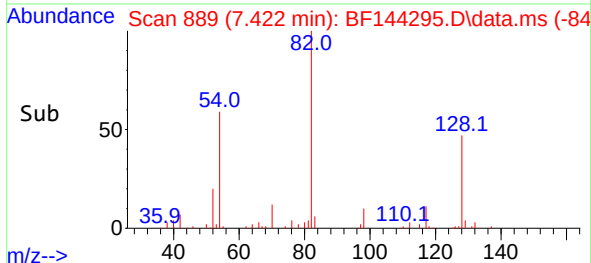
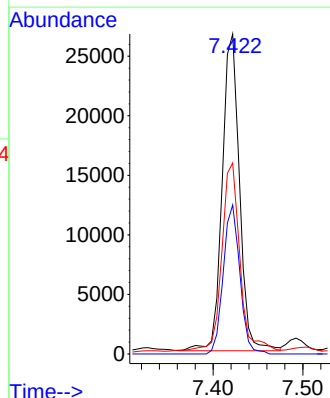
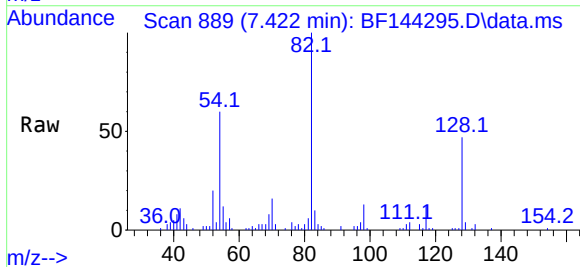
Tgt Ion: 82 Resp: 35645

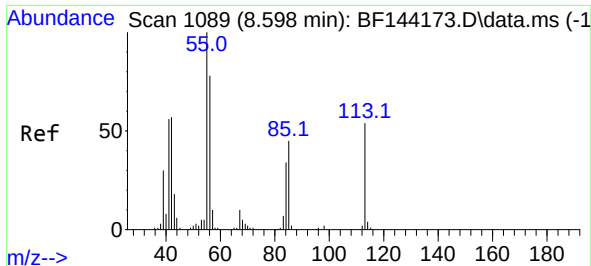
Ion Ratio Lower Upper

82 100

128 46.6 34.7 52.1

54 59.7 49.5 74.3

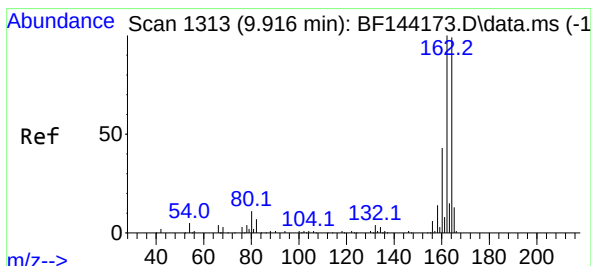
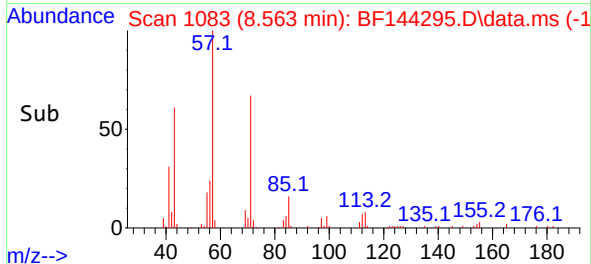
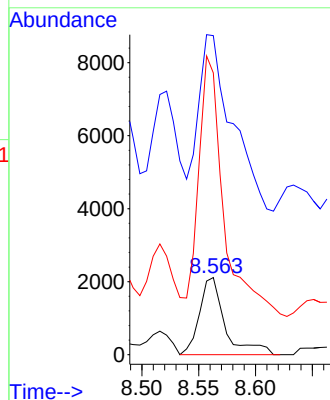
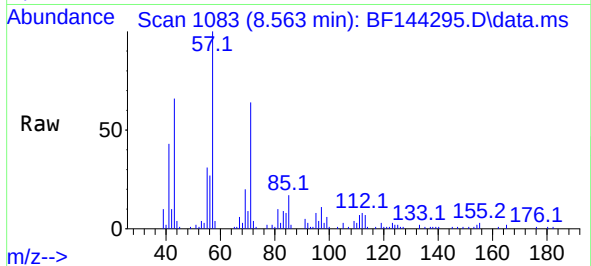




#35
 Caprolactam
 Concen: 5.294 ng
 RT: 8.563 min Scan# 110
 Delta R.T. -0.059 min
 Lab File: BF144295.D
 Acq: 20 Nov 2025 15:30

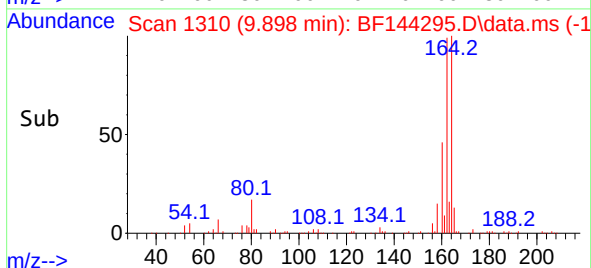
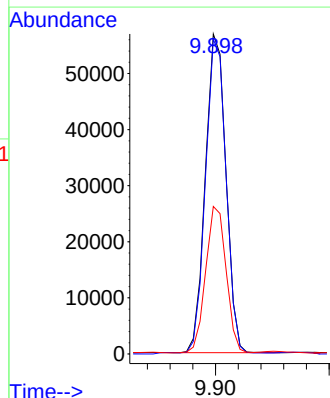
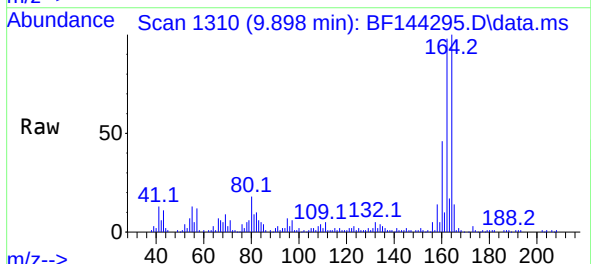
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-11182025

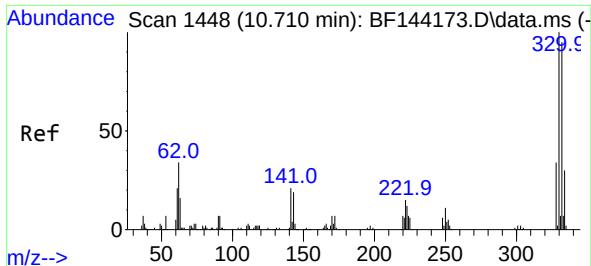
Tgt Ion:113 Resp: 3303
 Ion Ratio Lower Upper
 113 100
 55 413.5 166.8 206.8#
 56 365.3 125.9 165.9#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.898 min Scan# 1310
 Delta R.T. -0.018 min
 Lab File: BF144295.D
 Acq: 20 Nov 2025 15:30

Tgt Ion:164 Resp: 71438
 Ion Ratio Lower Upper
 164 100
 162 98.4 81.1 121.7
 160 46.1 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 19.568 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF144295.D

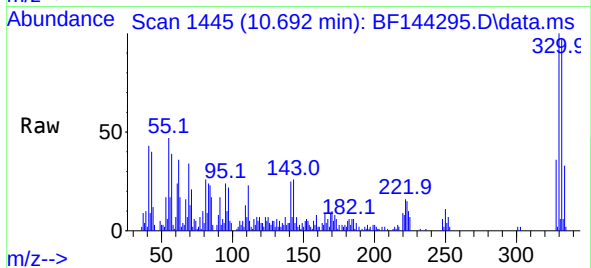
Acq: 20 Nov 2025 15:30

Instrument :

BNA_F

ClientSampleId :

EO-01-11182025



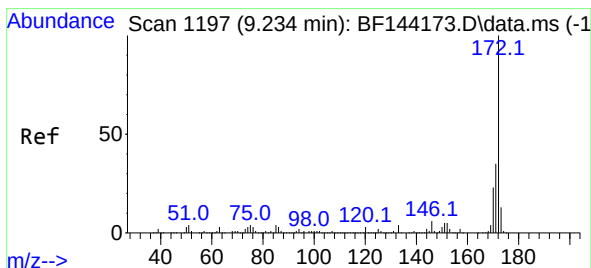
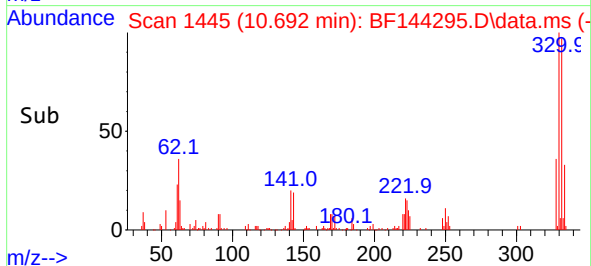
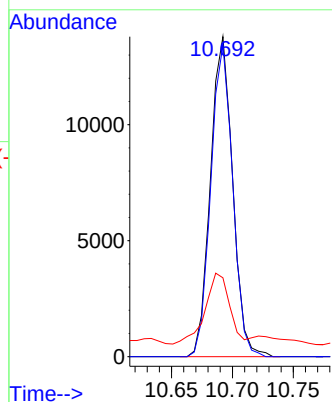
Tgt Ion:330 Resp: 17542

Ion Ratio Lower Upper

330 100

332 95.7 76.7 115.1

141 24.6 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 15.043 ng

RT: 9.216 min Scan# 1194

Delta R.T. -0.012 min

Lab File: BF144295.D

Acq: 20 Nov 2025 15:30

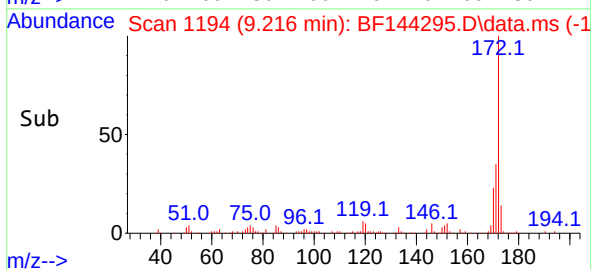
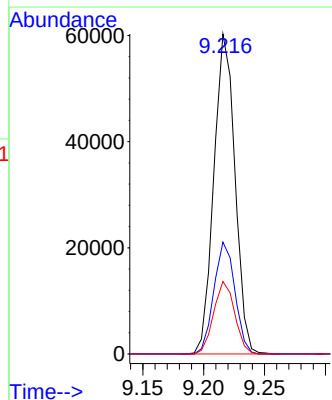
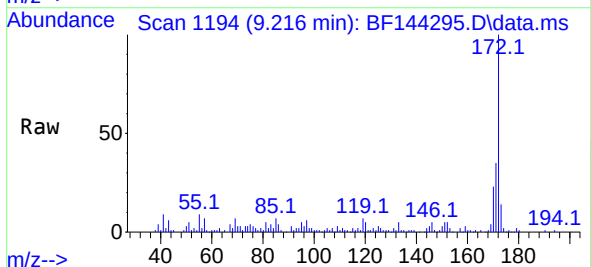
Tgt Ion:172 Resp: 72762

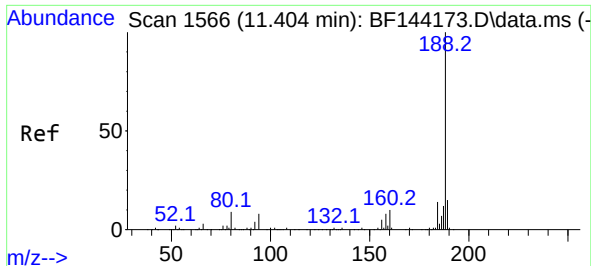
Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 22.6 18.6 28.0

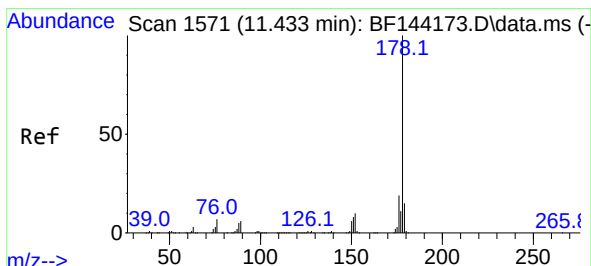
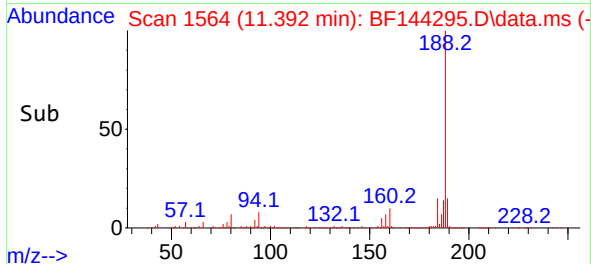
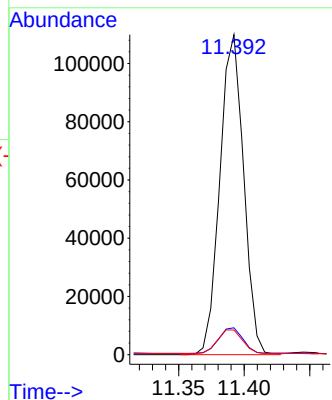
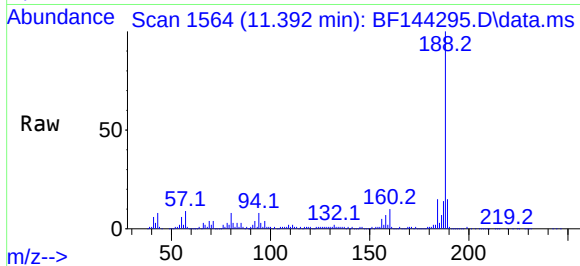




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

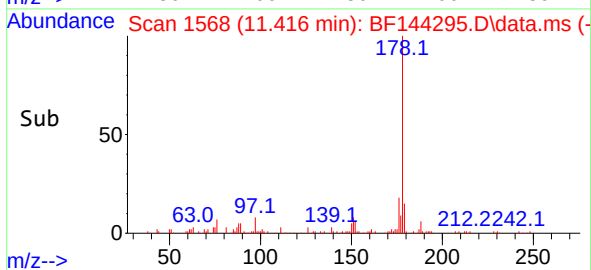
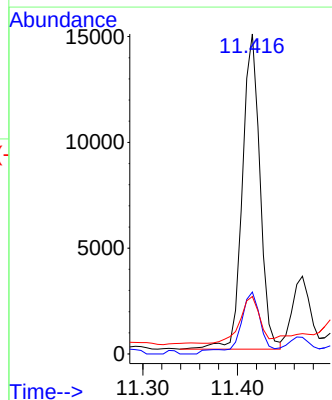
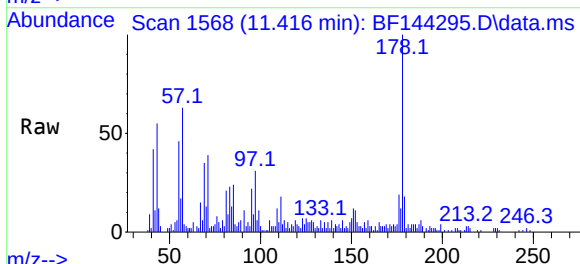
Instrument :
BNA_F
ClientSampleId :
EO-01-11182025

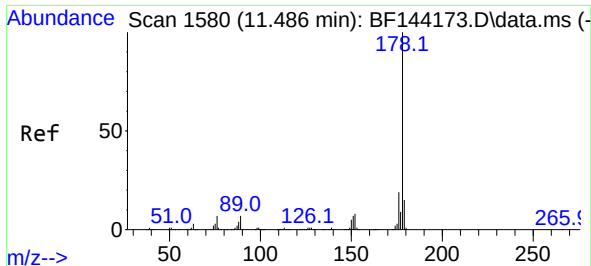
Tgt Ion:188 Resp: 138272
Ion Ratio Lower Upper
188 100
94 8.4 6.2 9.2
80 7.7 6.9 10.3



#71
Phenanthrene
Concen: 2.792 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Tgt Ion:178 Resp: 19223
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 17.9 12.2 18.4

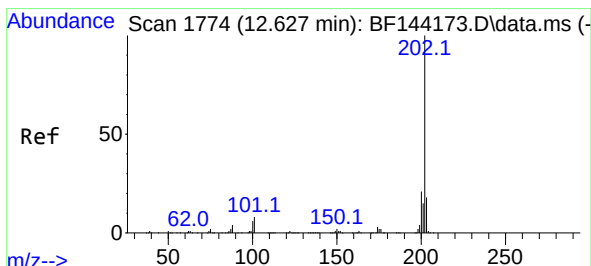
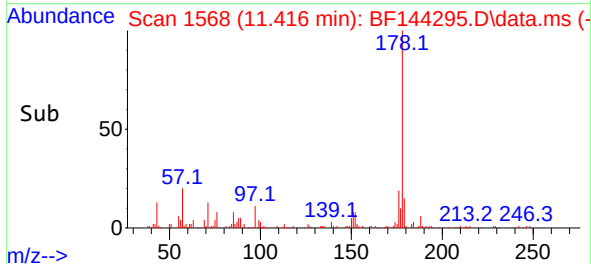
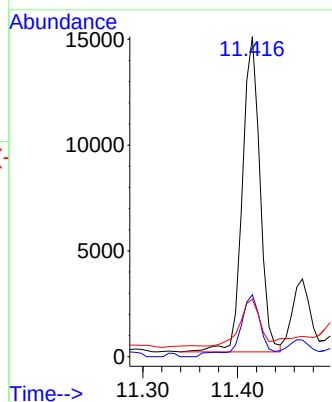
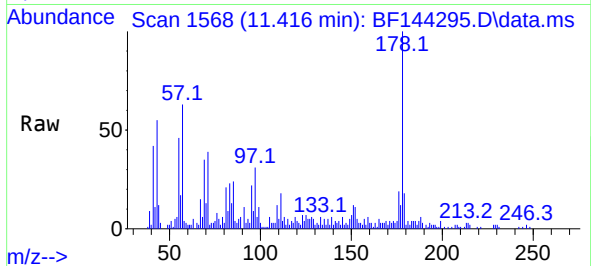




#72
 Anthracene
 Concen: 2.746 ng
 RT: 11.416 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF144295.D
 Acq: 20 Nov 2025 15:30

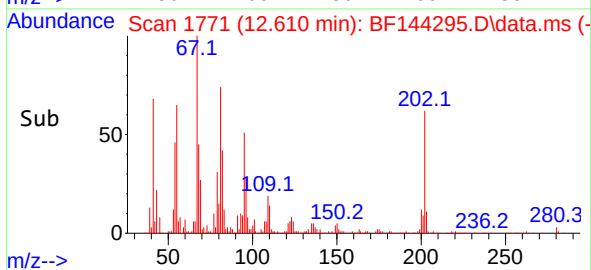
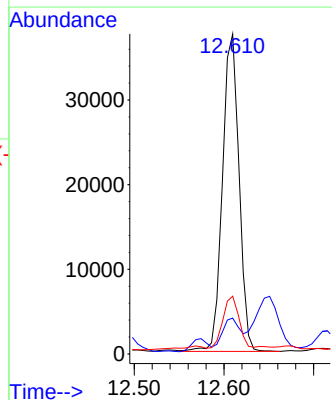
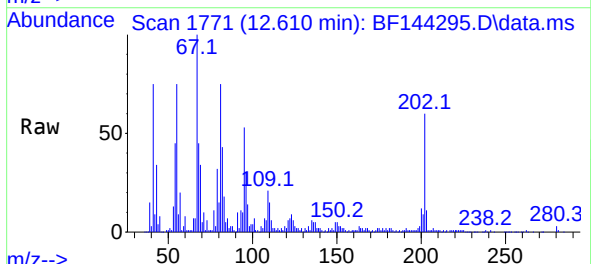
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-11182025

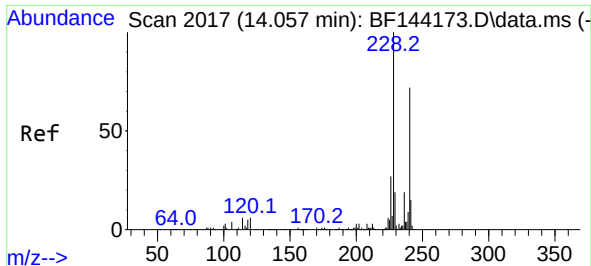
Tgt Ion:178	Resp:	19223
Ion Ratio	Lower	Upper
178	100	
176	19.4	15.3 22.9
179	17.9	12.0 18.0



#75
 Fluoranthene
 Concen: 6.757 ng
 RT: 12.610 min Scan# 1771
 Delta R.T. -0.012 min
 Lab File: BF144295.D
 Acq: 20 Nov 2025 15:30

Tgt Ion:202	Resp:	48050
Ion Ratio	Lower	Upper
202	100	
101	12.8	0.0 27.9
203	18.1	0.0 37.5

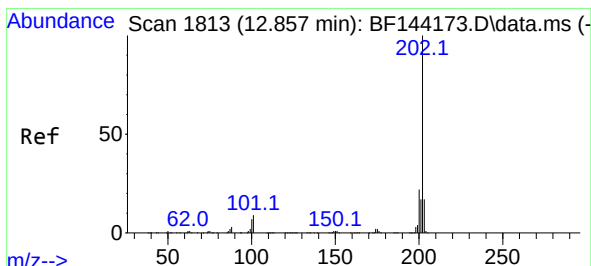
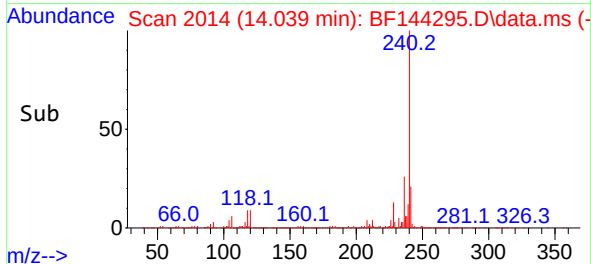
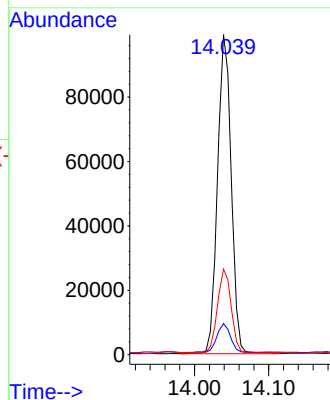
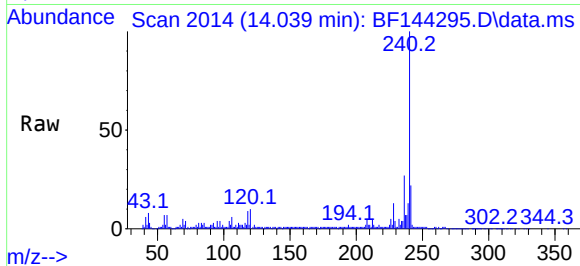




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

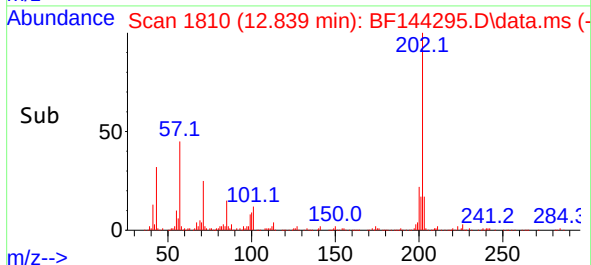
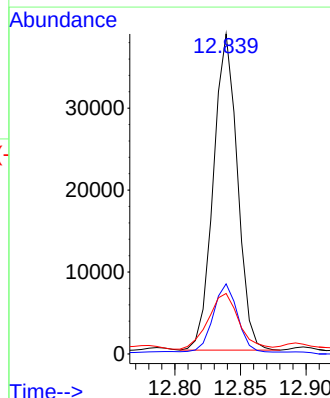
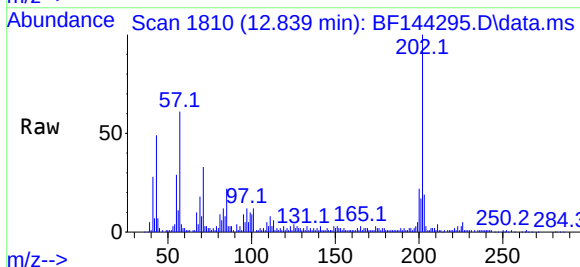
Instrument :
BNA_F
ClientSampleId :
EO-01-11182025

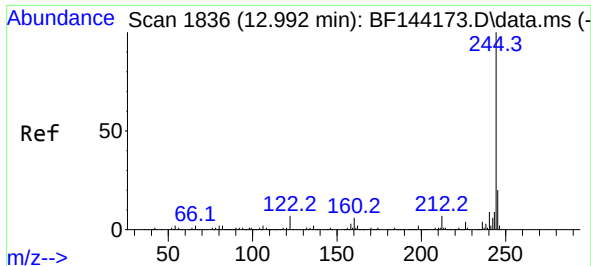
Tgt Ion:240 Resp: 127014
Ion Ratio Lower Upper
240 100
120 9.7 6.6 10.0
236 26.7 21.4 32.2



#78
Pyrene
Concen: 4.806 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

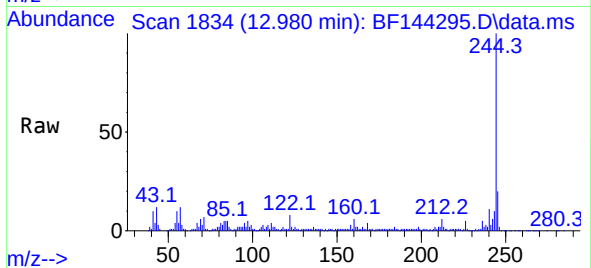
Tgt Ion:202 Resp: 49218
Ion Ratio Lower Upper
202 100
200 21.9 17.2 25.8
203 18.9 13.7 20.5



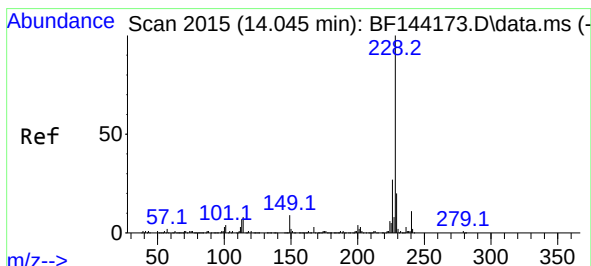
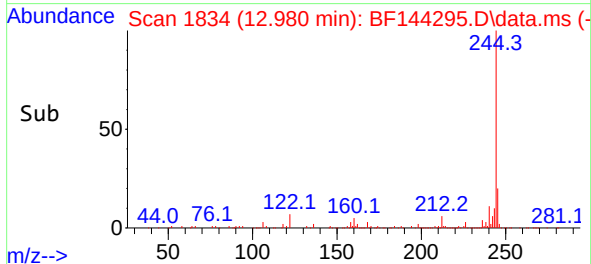
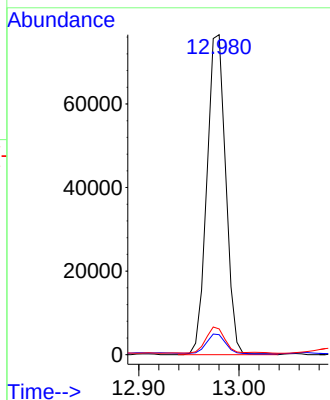


#79
Terphenyl-d14
Concen: 12.495 ng
RT: 12.980 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Instrument :
BNA_F
ClientSampleId :
EO-01-11182025

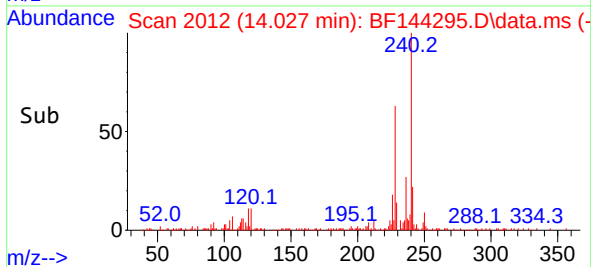
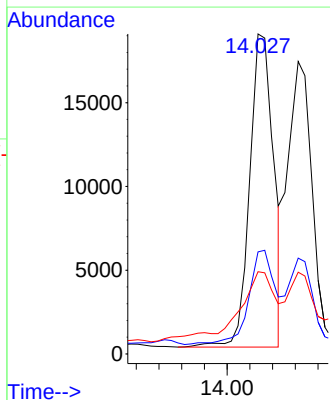
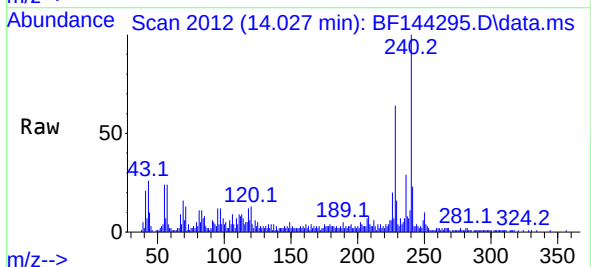


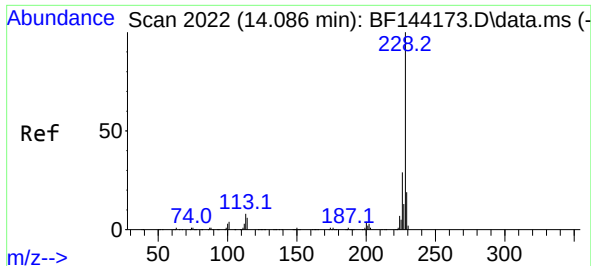
Tgt Ion:244 Resp: 99916
Ion Ratio Lower Upper
244 100
212 6.3 5.3 7.9
122 8.1 5.6 8.4



#81
Benzo(a)anthracene
Concen: 3.108 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Tgt Ion:228 Resp: 27364
Ion Ratio Lower Upper
228 100
226 31.9 21.8 32.8
229 25.7 15.8 23.6#



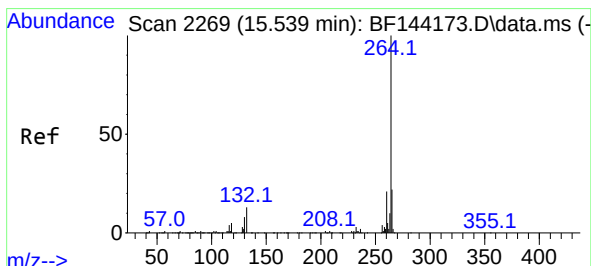
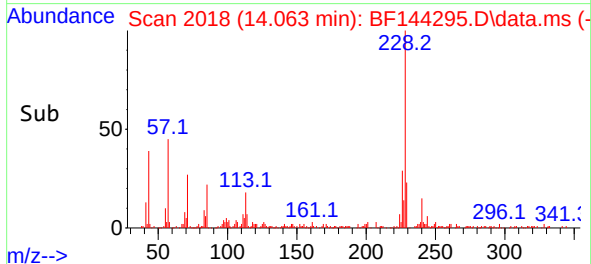
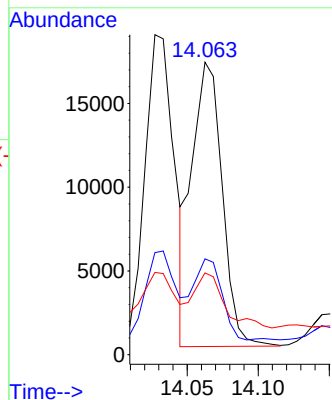
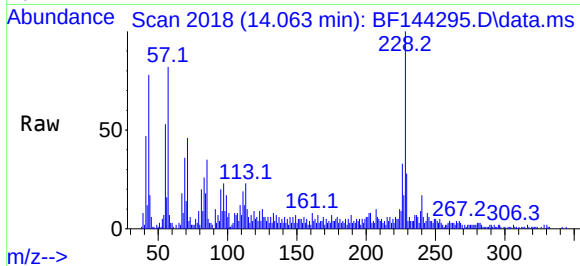


#83
Chrysene
Concen: 3.103 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Instrument :
BNA_F
ClientSampleId :
EO-01-11182025

Tgt Ion:228 Resp: 25220

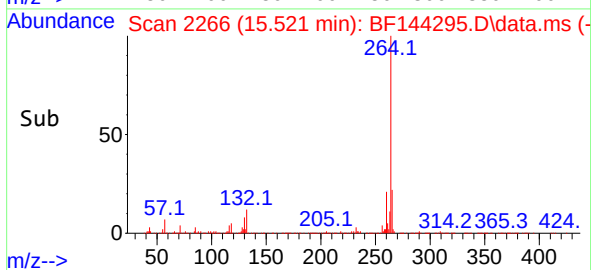
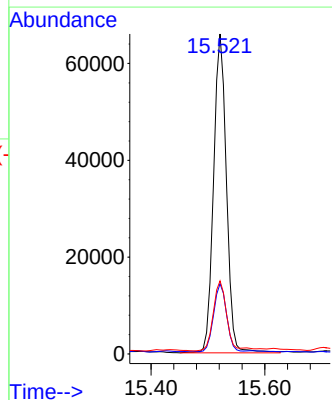
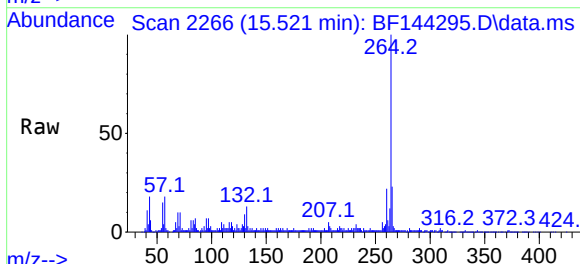
Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.9	34.3
229	28.0	15.0	22.6

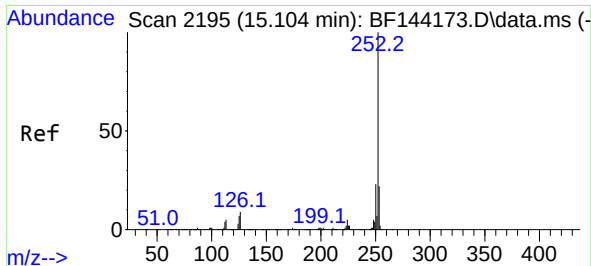


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Tgt Ion:264 Resp: 103141

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.1	25.7
265	22.8	17.4	26.0

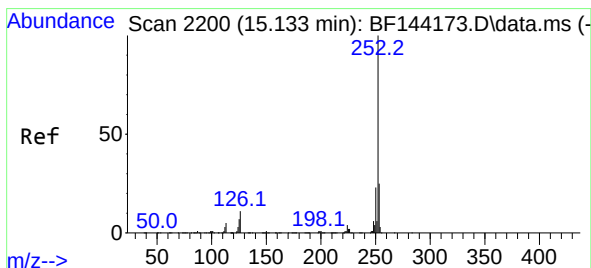
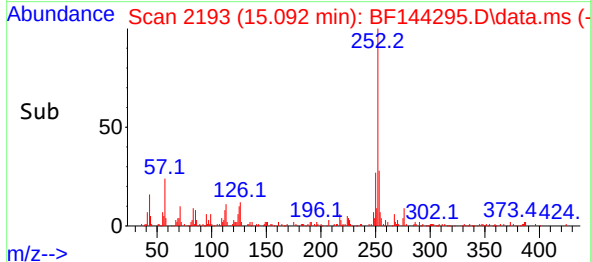
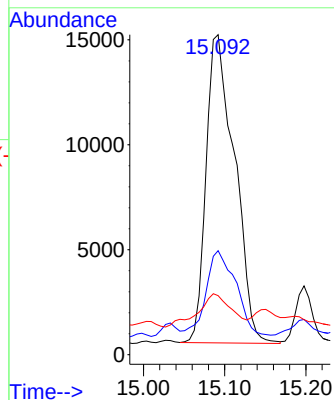
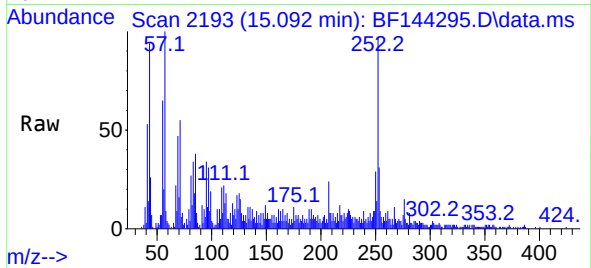




#88
Benzo(b)fluoranthene
Concen: 6.105 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

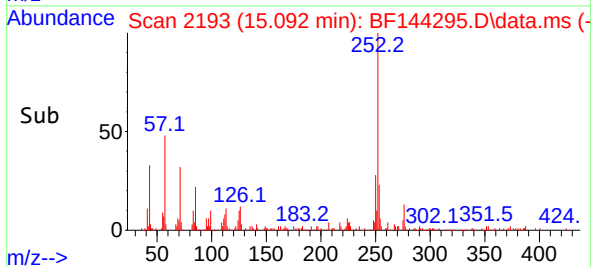
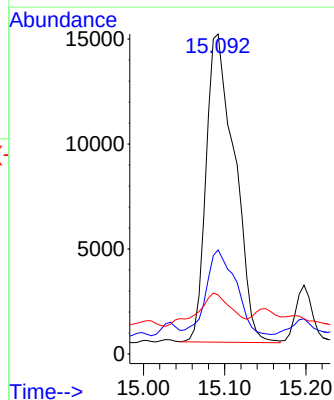
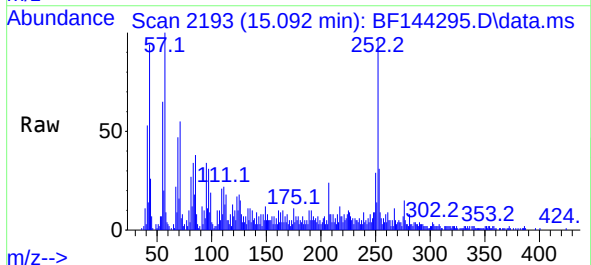
Instrument :
BNA_F
ClientSampleId :
EO-01-11182025

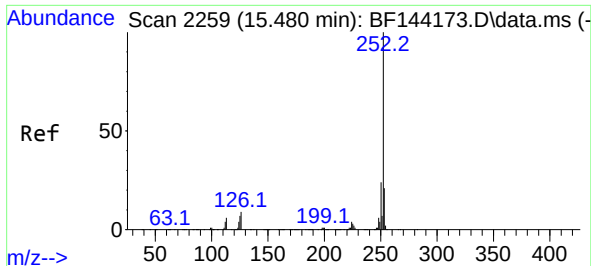
Tgt Ion:252 Resp: 35799
Ion Ratio Lower Upper
252 100
253 32.5 17.4 26.2#
125 18.4 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 6.523 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Tgt Ion:252 Resp: 35799
Ion Ratio Lower Upper
252 100
253 32.5 18.0 27.0#
125 18.4 5.4 8.2#

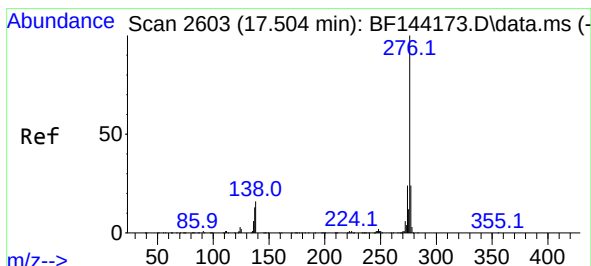
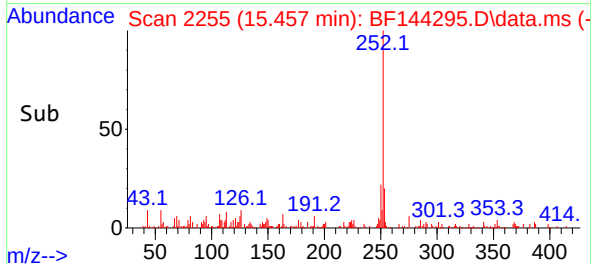
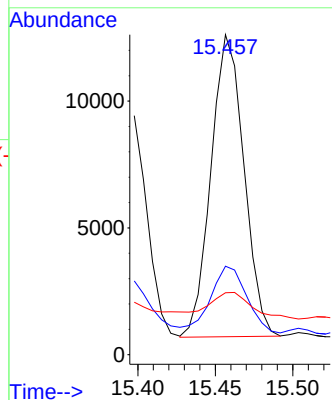
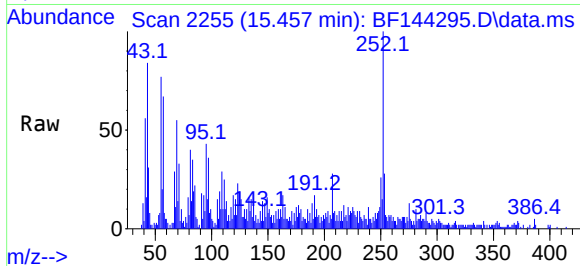




#90
Benzo(a)pyrene
Concen: 3.258 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Instrument :
BNA_F
ClientSampleId :
EO-01-11182025

Tgt Ion:252 Resp: 17623
Ion Ratio Lower Upper
252 100
253 27.6 16.7 25.1#
125 19.4 5.7 8.5#



#92
Benzo(g,h,i)perylene
Concen: 2.029 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.018 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Tgt Ion:276 Resp: 11915
Ion Ratio Lower Upper
276 100
277 26.8 19.0 28.4
138 25.0 12.9 19.3#

