

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
 Data File : BF142433.D
 Acq On : 16 May 2025 18:13
 Operator : RC/JU
 Sample : Q2034-21
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L3-WC-6

Quant Time: May 16 22:41:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

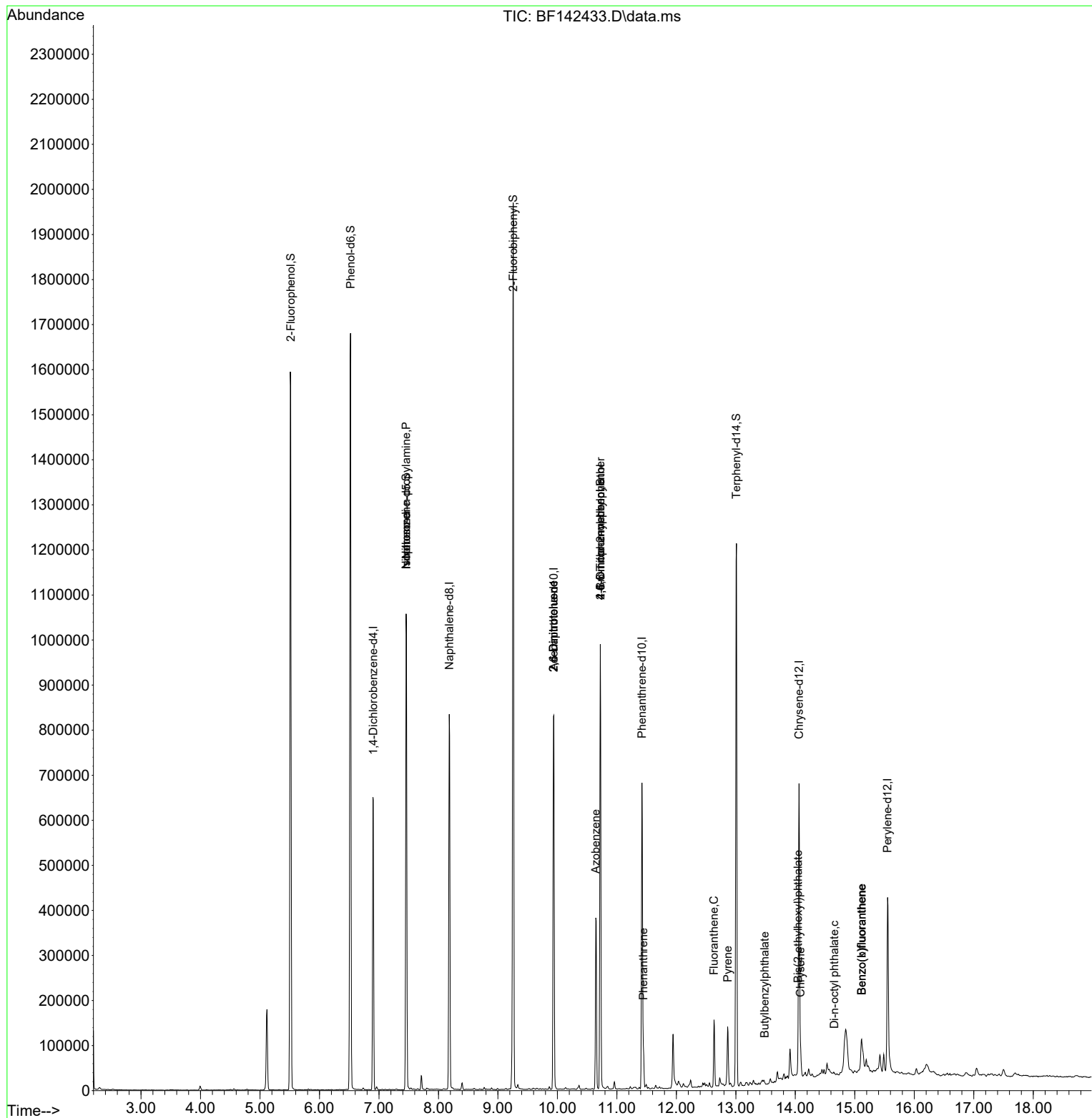
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	144562	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	534067	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	259612	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	352364	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	287272	20.000	ng	0.00
86) Perylene-d12	15.551	264	226977	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	633217	74.774	ng	0.00
7) Phenol-d6	6.522	99	806642	77.446	ng	0.00
23) Nitrobenzene-d5	7.457	82	447936	51.152	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	173049	69.040	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	864874	47.502	ng	0.00
79) Terphenyl-d14	13.010	244	603516	31.095	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	58875	9.138	ng	# 77
25) Isophorone	7.457	82	444522	26.806	ng	# 62
51) 2,6-Dinitrotoluene	9.934	165	33059	10.594	ng	# 23
57) 2,4-Dinitrotoluene	9.934	165	33059	8.259	ng	# 25
63) Azobenzene	10.645	77	93002	5.846	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	281	7.331	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	10306	2.581	ng	# 1
71) Phenanthrene	11.445	178	43650	2.363	ng	98
75) Fluoranthene	12.633	202	85847	4.650	ng	99
78) Pyrene	12.863	202	75640	2.958	ng	98
80) Butylbenzylphthalate	13.486	149	432	3.713	ng	# 34
83) Chrysene	14.086	228	37555	2.168	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	1771	4.403	ng	# 94
85) Di-n-octyl phthalate	14.657	149	131	7.846	ng	# 73
88) Benzo(b)fluoranthene	15.116	252	55303	4.023	ng	98
89) Benzo(k)fluoranthene	15.116	252	55303	4.396	ng	97

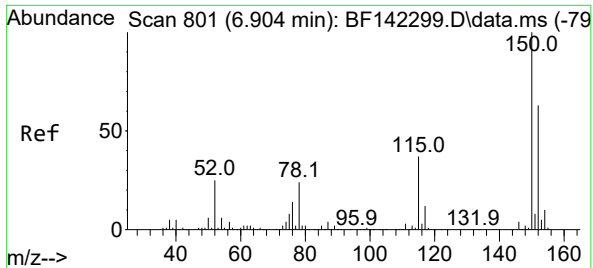
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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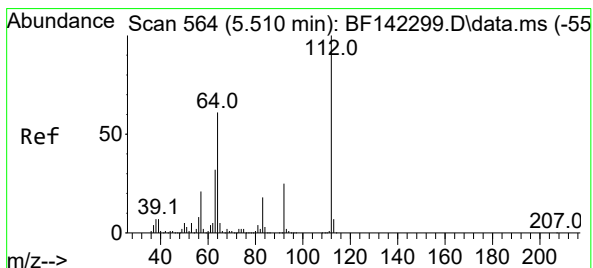
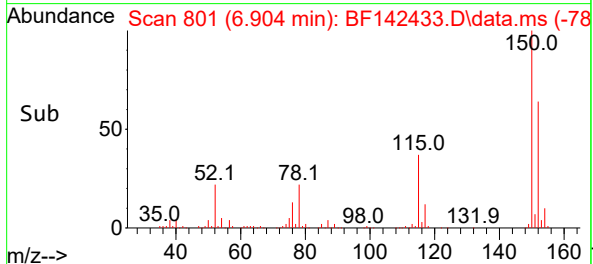
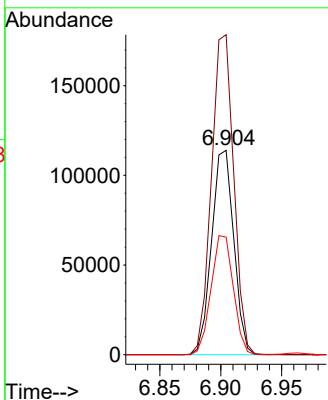
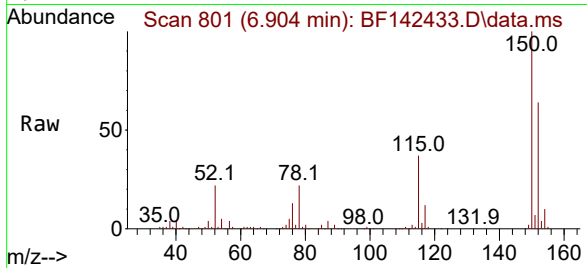




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142433.D
 Acq: 16 May 2025 18:13

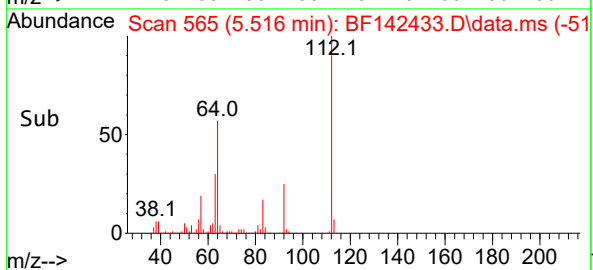
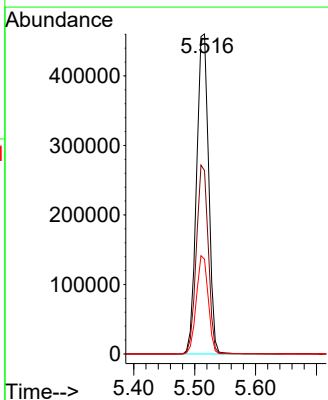
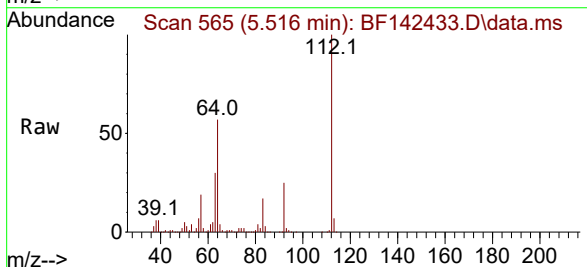
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 L3-WC-6

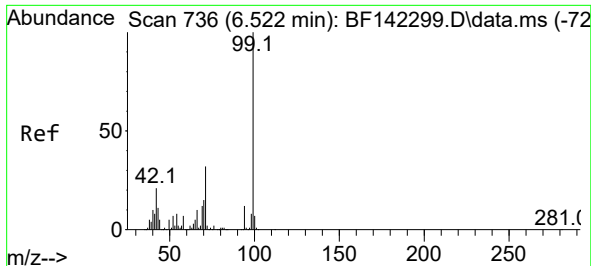
Tgt Ion:152 Resp: 144562
 Ion Ratio Lower Upper
 152 100
 150 156.6 126.6 190.0
 115 57.6 47.3 70.9



#5
 2-Fluorophenol
 Concen: 74.774 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: BF142433.D
 Acq: 16 May 2025 18:13

Tgt Ion:112 Resp: 633217
 Ion Ratio Lower Upper
 112 100
 64 57.3 48.9 73.3
 63 29.6 25.6 38.4

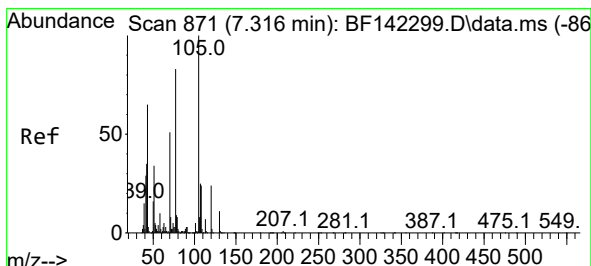
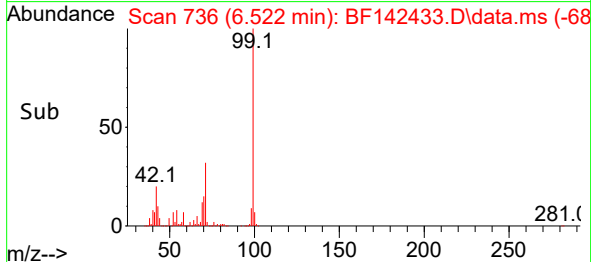
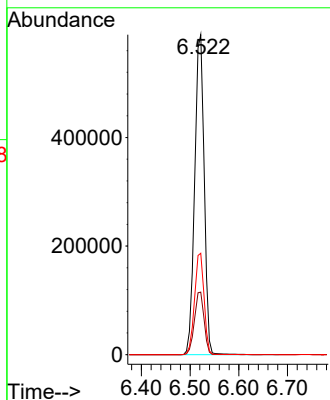
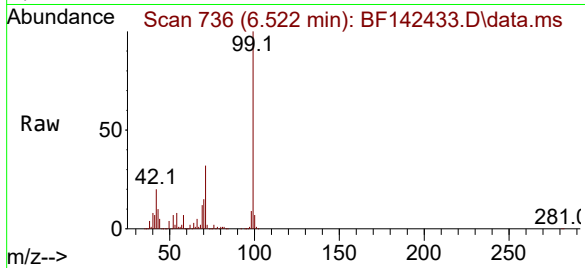




#7
Phenol-d6
Concen: 77.446 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

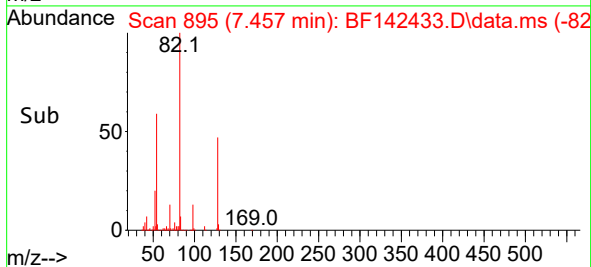
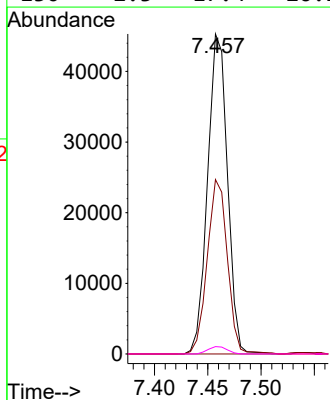
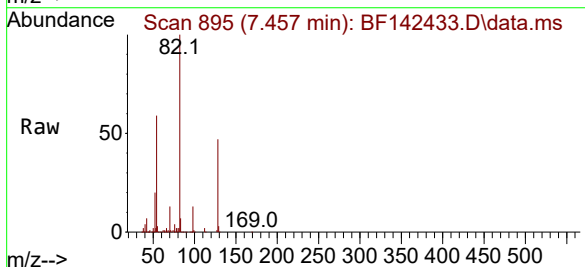
Instrument :
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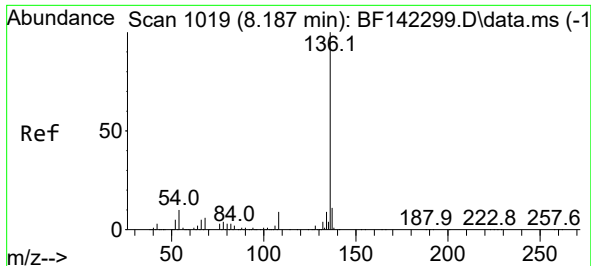
Tgt Ion: 99 Resp: 806642
Ion Ratio Lower Upper
99 100
42 19.5 17.0 25.4
71 31.7 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.138 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

Tgt Ion: 70 Resp: 58875
Ion Ratio Lower Upper
70 100
42 54.5 54.8 82.2#
101 0.0 7.7 11.5#
130 2.3 17.4 26.2#

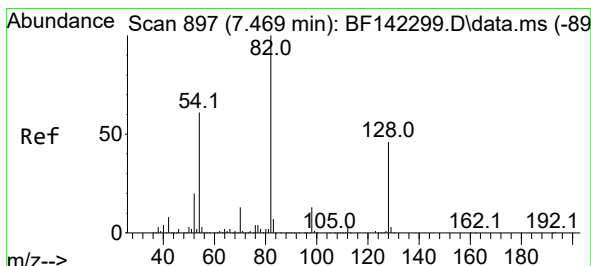
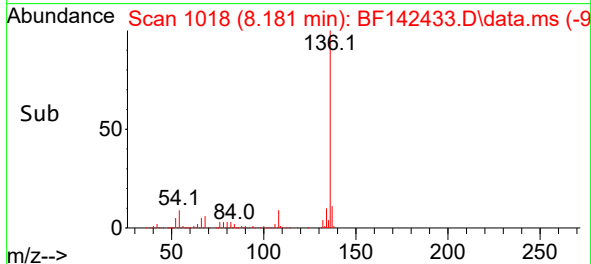
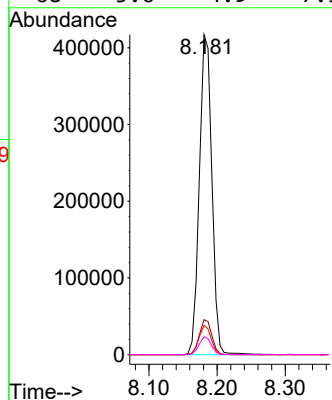
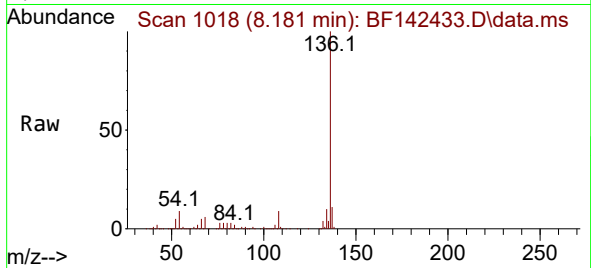




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

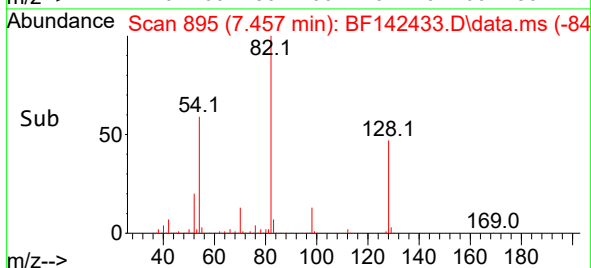
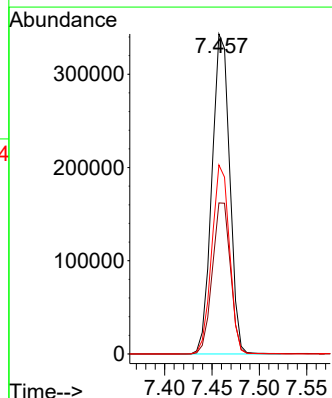
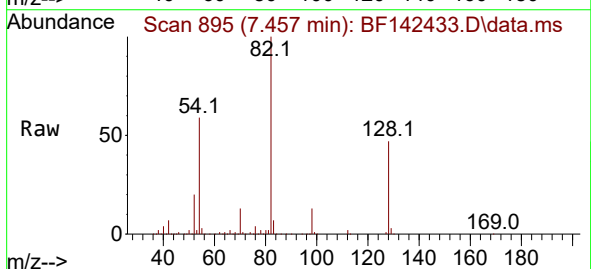
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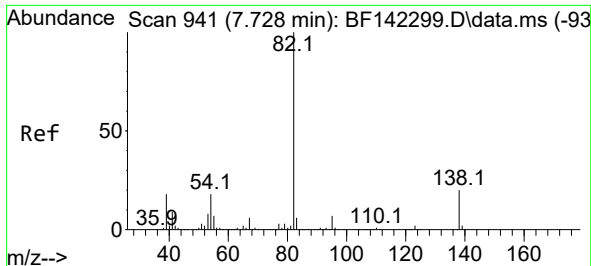
Tgt Ion:	136	Resp:	534067
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.2	7.7	11.5
68	5.6	4.9	7.3



#23
Nitrobenzene-d5
Concen: 51.152 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

Tgt Ion:	82	Resp:	447936
Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.0	55.6
54	59.0	48.6	73.0

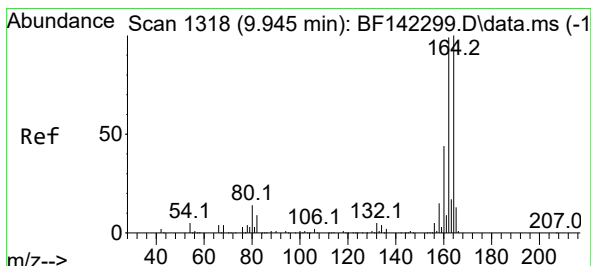
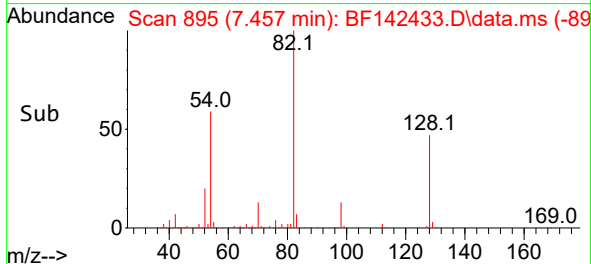
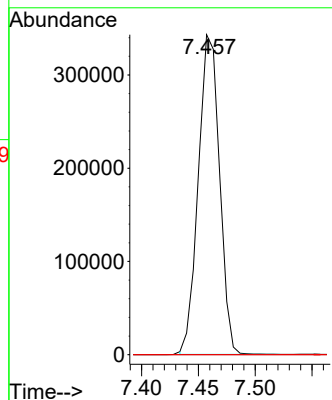
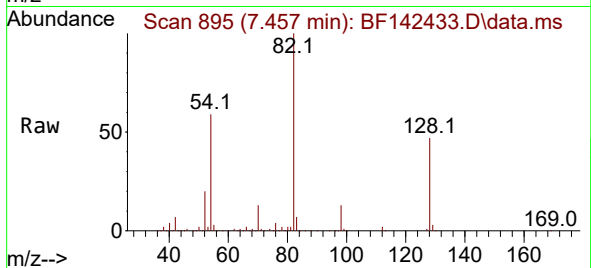




#25
Isophorone
Concen: 26.806 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

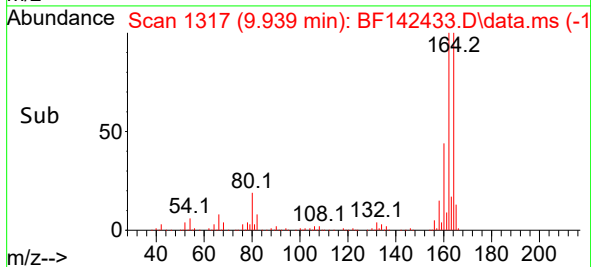
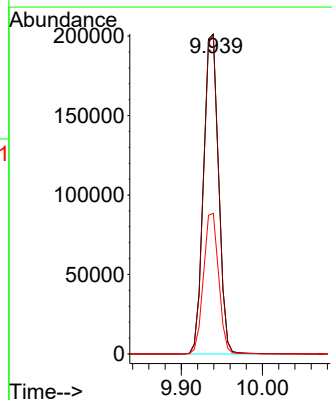
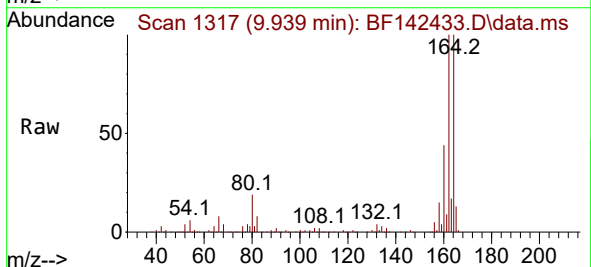
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ClientSampleId :
L3-WC-6

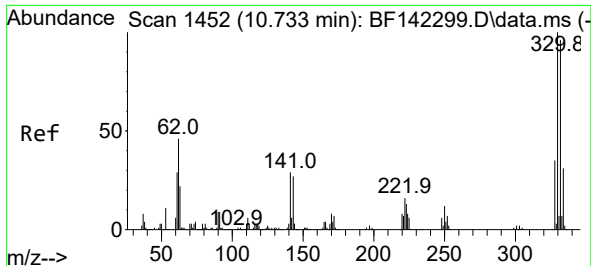
Tgt Ion: 82 Resp: 444522
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

Tgt Ion:164 Resp: 259612
Ion Ratio Lower Upper
164 100
162 99.7 79.2 118.8
160 43.9 35.3 52.9

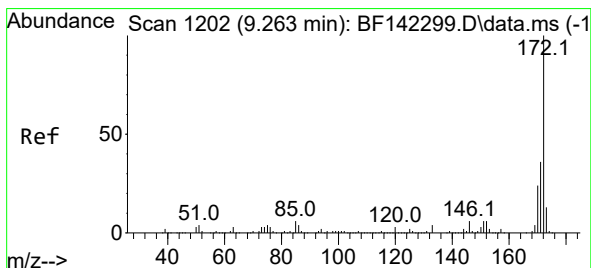
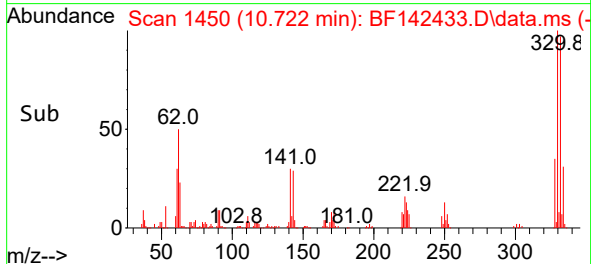
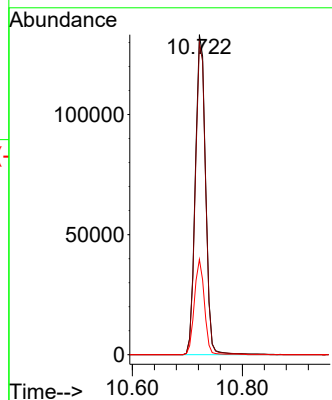
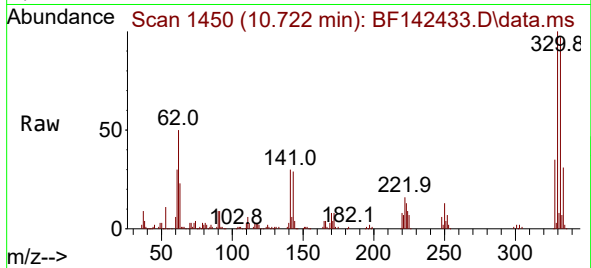




#42
2,4,6-Tribromophenol
Concen: 69.040 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

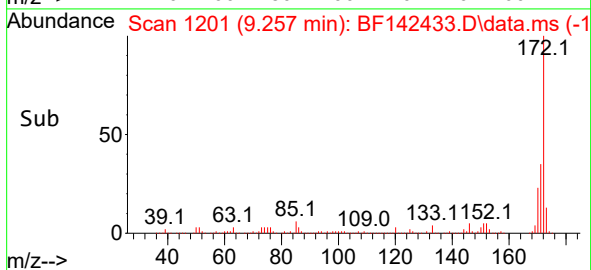
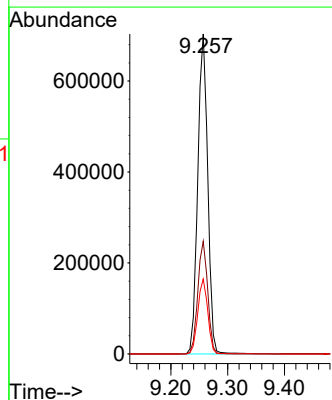
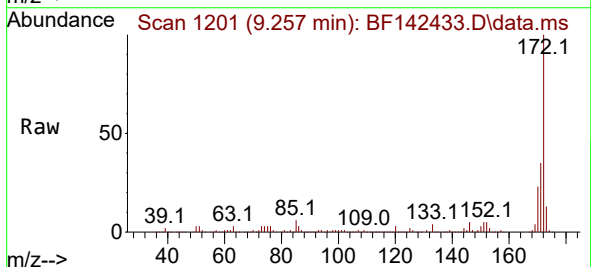
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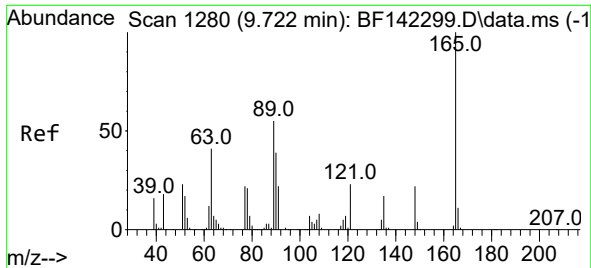
Tgt Ion:330 Resp: 173049
Ion Ratio Lower Upper
330 100
332 97.4 76.8 115.2
141 29.0 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 47.502 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

Tgt Ion:172 Resp: 864874
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.4 19.0 28.4

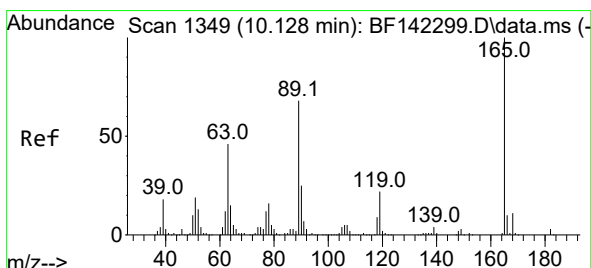
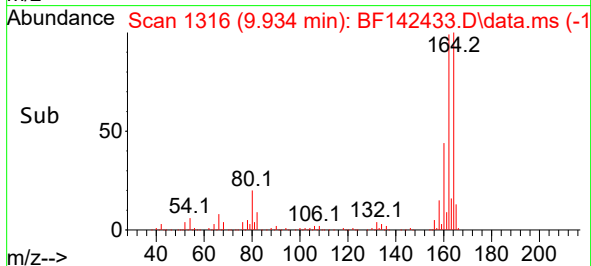
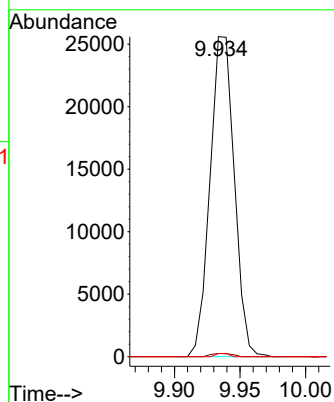
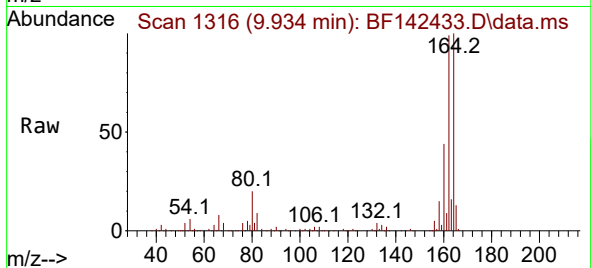




#51
2,6-Dinitrotoluene
Concen: 10.594 ng
RT: 9.934 min Scan# 1316
Delta R.T. 0.212 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

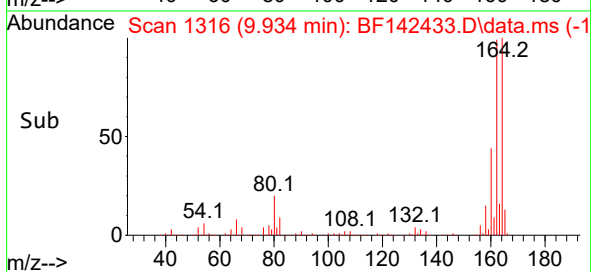
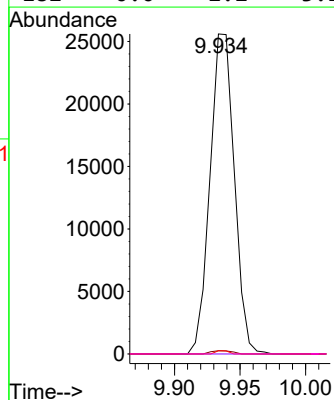
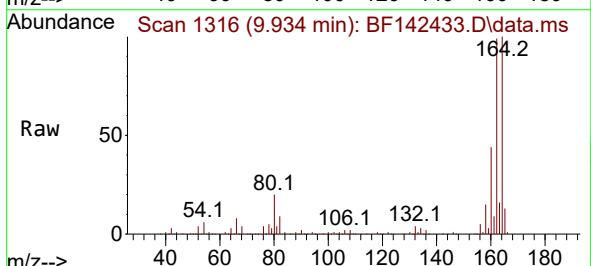
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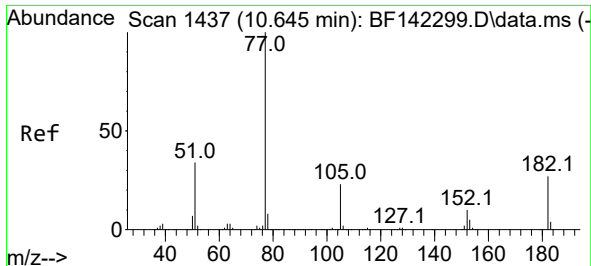
Tgt Ion:165 Resp: 33059
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 1.0 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.259 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.194 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

Tgt Ion:165 Resp: 33059
Ion Ratio Lower Upper
165 100
63 1.0 37.1 55.7#
89 1.0 54.4 81.6#
182 0.0 2.2 3.2#

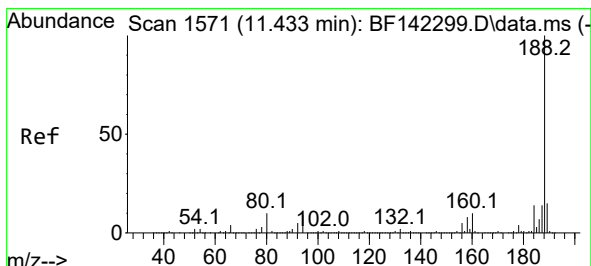
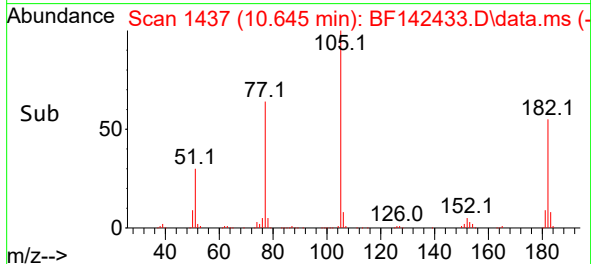
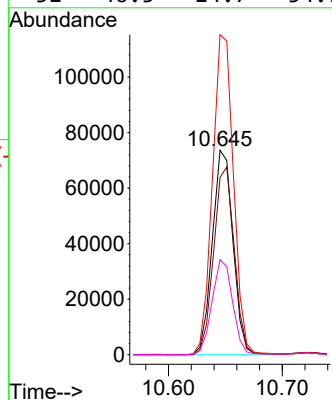
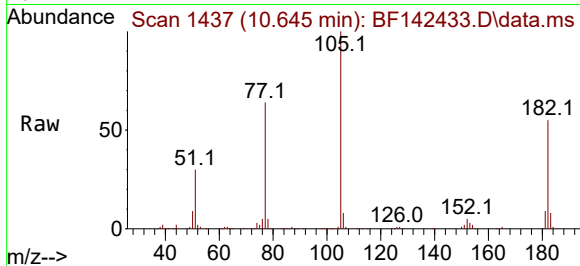




#63
Azobenzene
Concen: 5.846 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

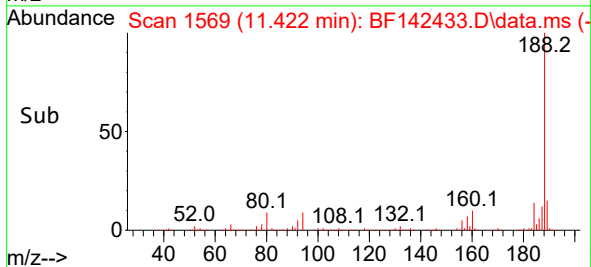
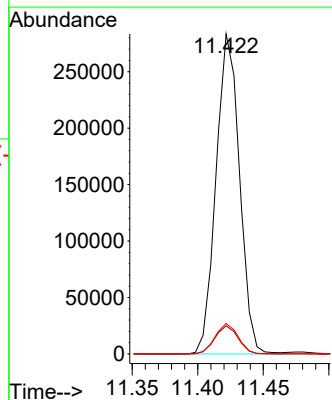
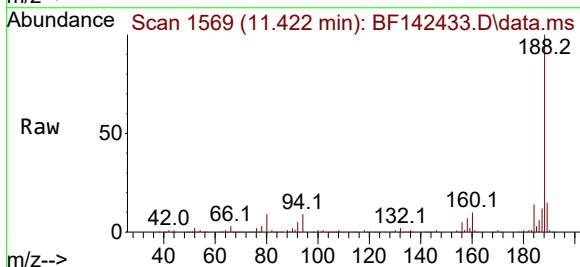
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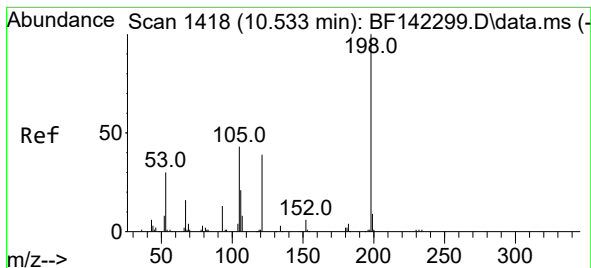
Tgt Ion: 77	Resp: 93002
Ion Ratio	Lower Upper
77	100
182	86.8 6.9 46.9#
105	156.7 2.7 42.7#
51	46.5 14.7 54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

Tgt Ion: 188	Resp: 352364
Ion Ratio	Lower Upper
188	100
94	8.8 7.5 11.3
80	9.5 7.9 11.9

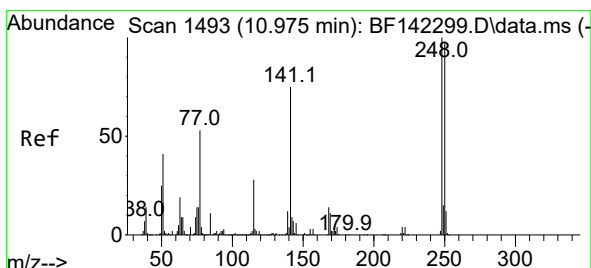
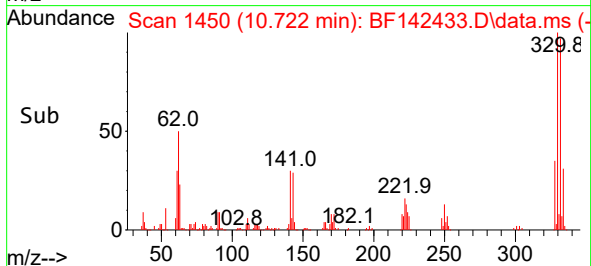
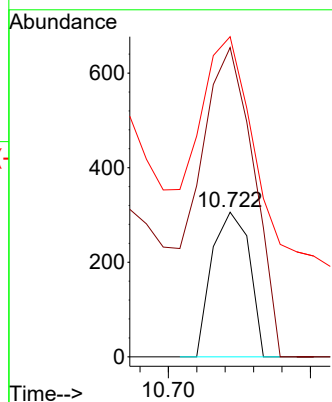
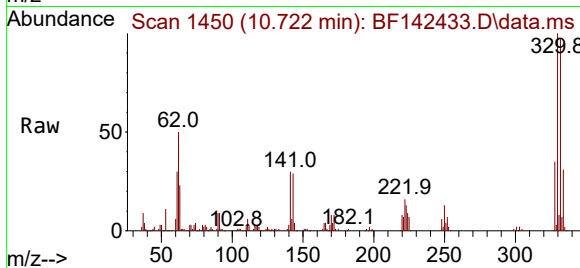




#65
4,6-Dinitro-2-methylphenol
Concen: 7.331 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.189 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

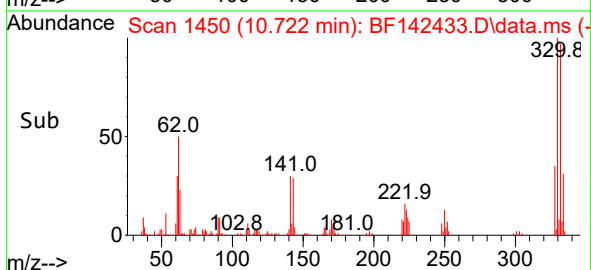
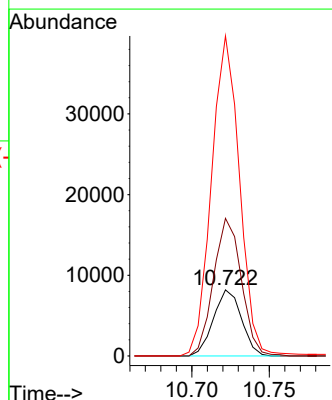
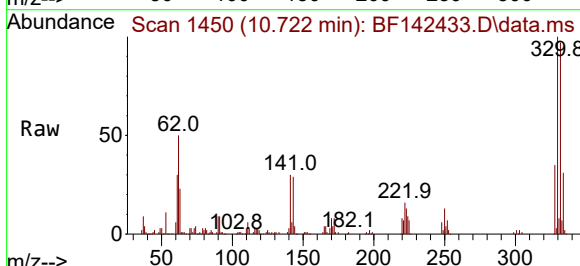
Instrument :
BNA_F
ClientSampleId :
L3-WC-6

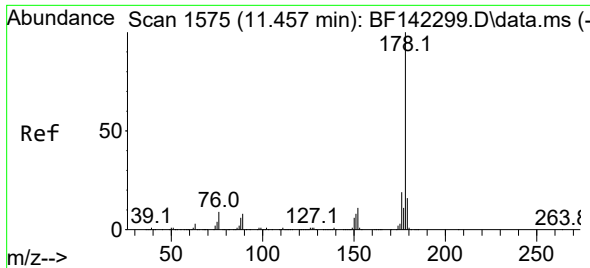
Tgt Ion:198 Resp: 281
Ion Ratio Lower Upper
198 100
51 213.7 32.9 72.9#
105 221.2 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 2.581 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

Tgt Ion:248 Resp: 10306
Ion Ratio Lower Upper
248 100
250 208.1 77.9 116.9#
141 483.7 59.8 89.8#

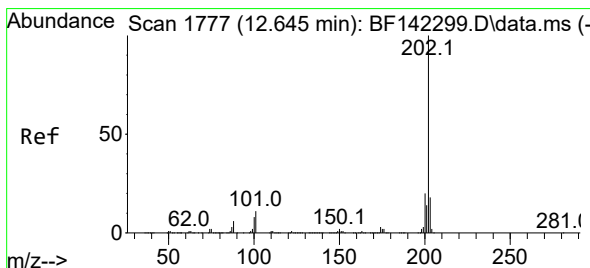
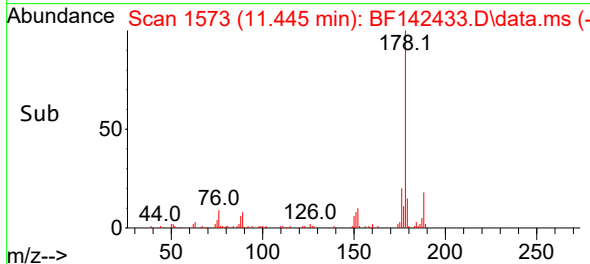
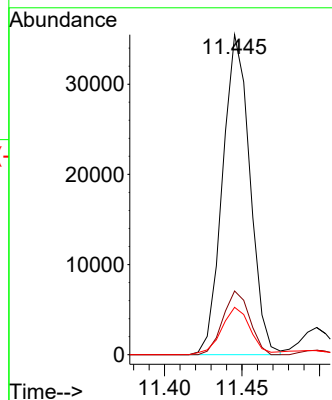
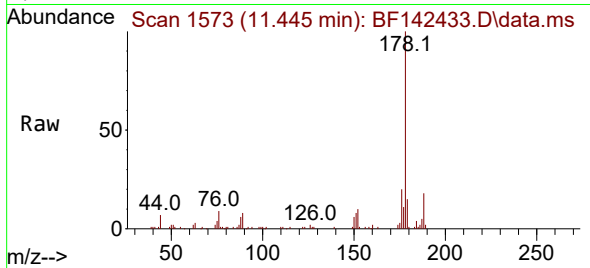




#71
Phenanthrene
Concen: 2.363 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

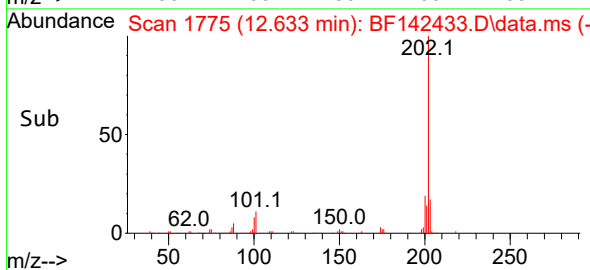
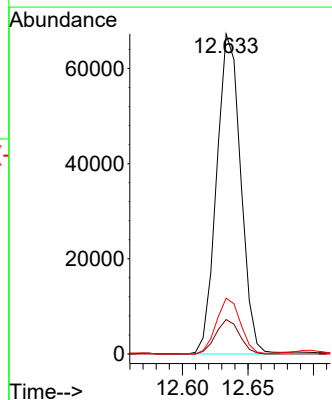
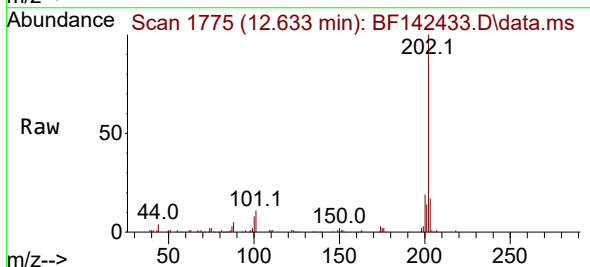
Instrument :
BNA_F
ClientSampleId :
L3-WC-6

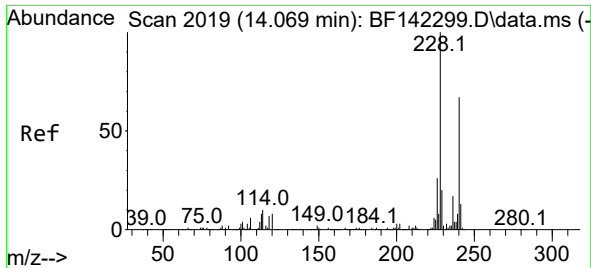
Tgt Ion:178 Resp: 43650
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 14.8 12.6 18.8



#75
Fluoranthene
Concen: 4.650 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

Tgt Ion:202 Resp: 85847
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.4
203 17.4 0.0 37.9

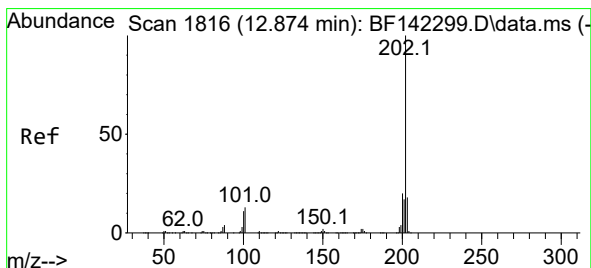
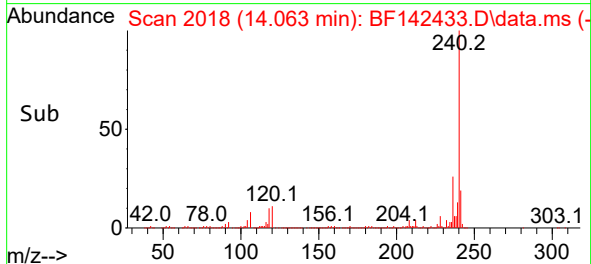
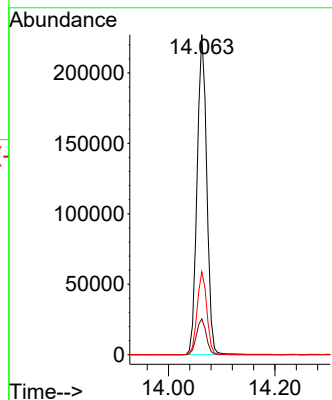
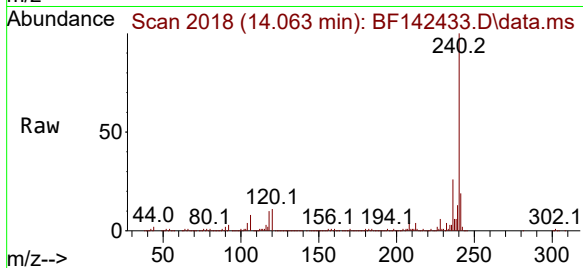




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

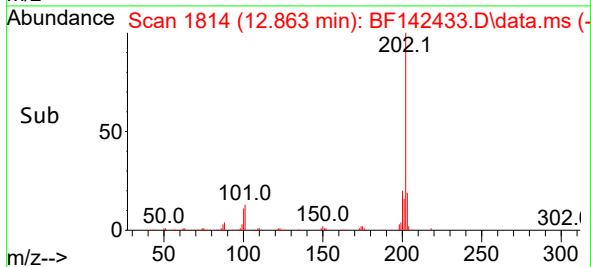
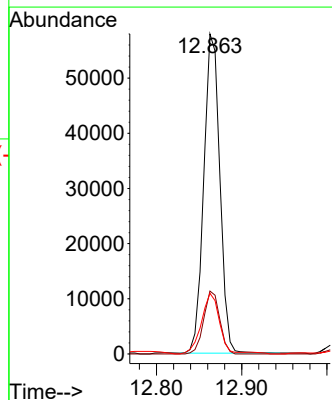
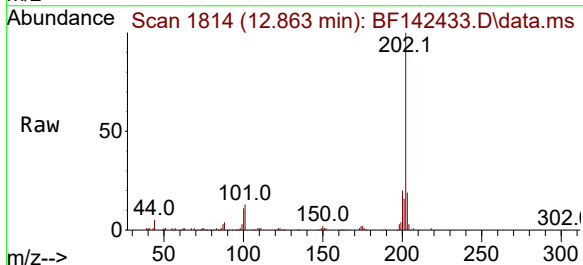
Instrument :
BNA_F
ClientSampleId :
L3-WC-6

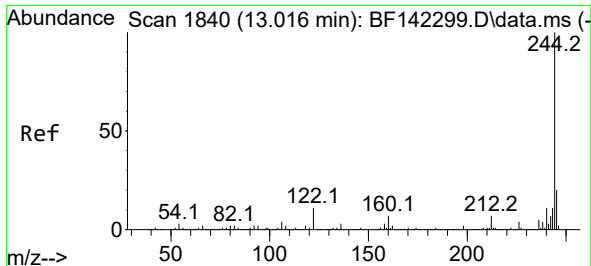
Tgt Ion:240 Resp: 287272
Ion Ratio Lower Upper
240 100
120 11.2 9.7 14.5
236 25.9 20.0 30.0



#78
Pyrene
Concen: 2.958 ng
RT: 12.863 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

Tgt Ion:202 Resp: 75640
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.4
203 18.9 14.3 21.5

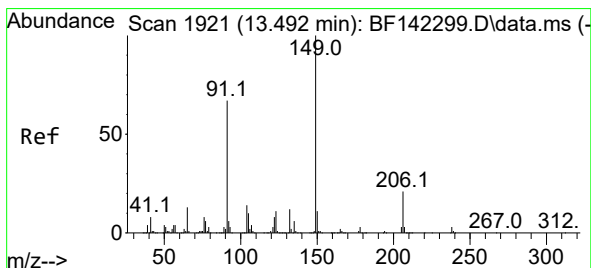
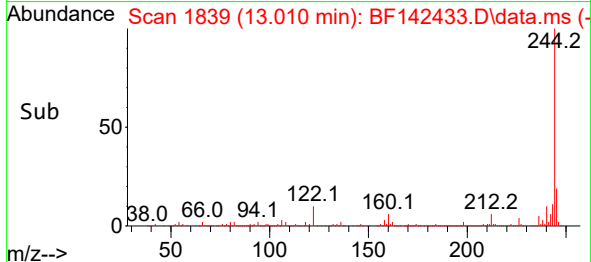
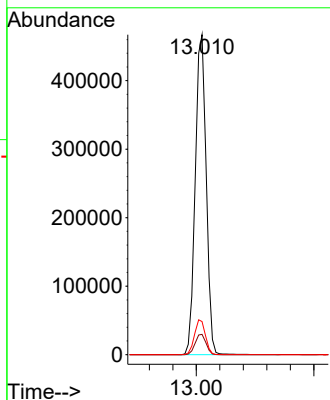
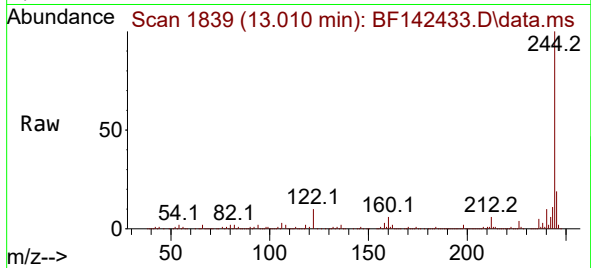




#79
 Terphenyl-d14
 Concen: 31.095 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142433.D
 Acq: 16 May 2025 18:13

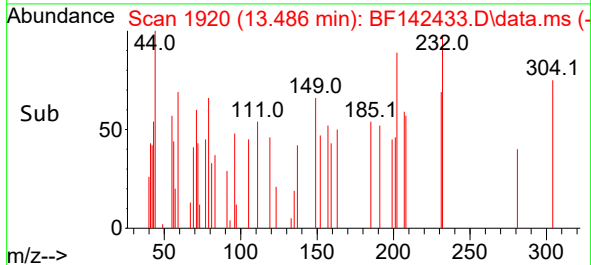
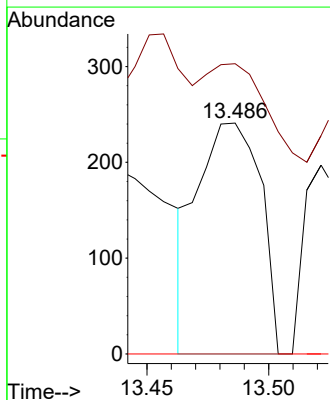
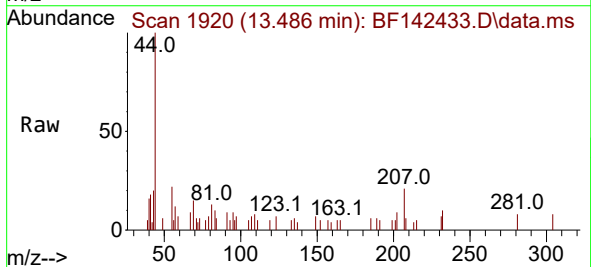
Instrument :
 BNA_F
 ClientSampleId :
 L3-WC-6

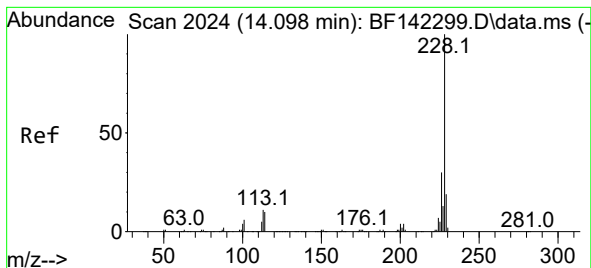
Tgt Ion:244 Resp: 603516
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.2
 122 10.3 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.713 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF142433.D
 Acq: 16 May 2025 18:13

Tgt Ion:149 Resp: 432
 Ion Ratio Lower Upper
 149 100
 91 125.7 53.8 80.6#
 206 0.0 16.6 24.8#





#83

Chrysene

Concen: 2.168 ng

RT: 14.086 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF142433.D

Acq: 16 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

L3-WC-6

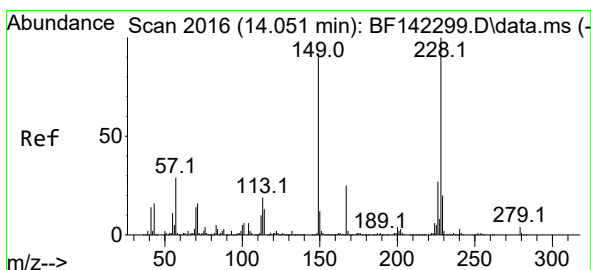
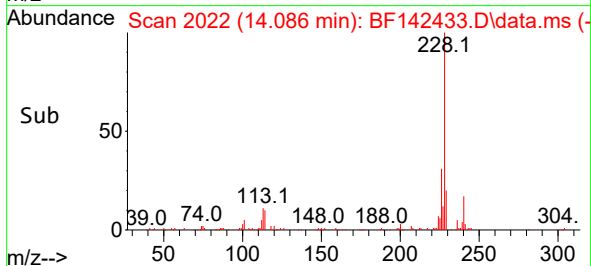
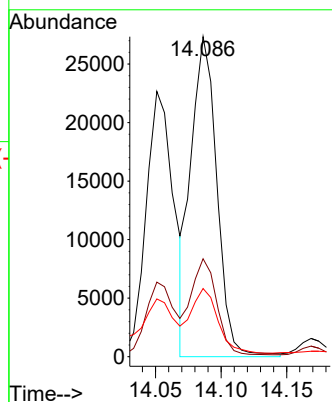
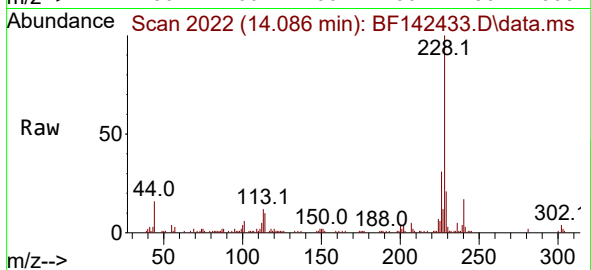
Tgt Ion:228 Resp: 37555

Ion Ratio Lower Upper

228 100

226 30.6 23.9 35.9

229 21.3 15.4 23.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.403 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142433.D

Acq: 16 May 2025 18:13

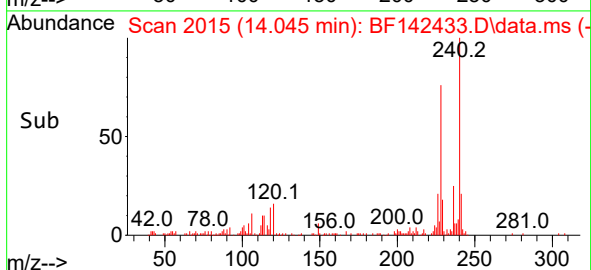
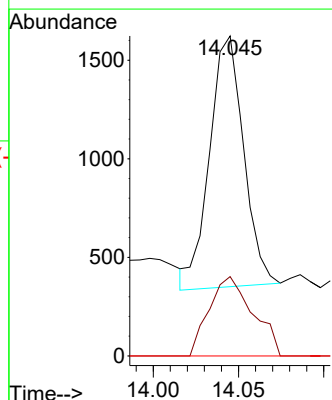
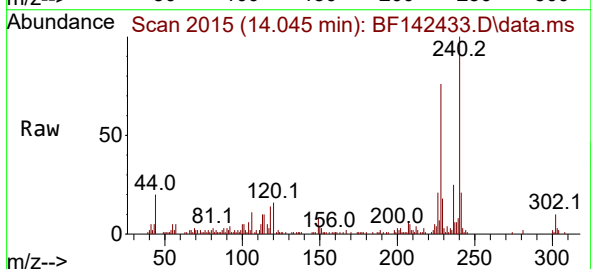
Tgt Ion:149 Resp: 1771

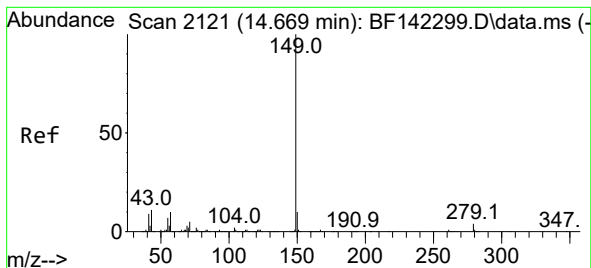
Ion Ratio Lower Upper

149 100

167 24.8 22.0 33.0

279 0.0 3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 7.846 ng

RT: 14.657 min Scan# 2119

Delta R.T. -0.012 min

Lab File: BF142433.D

Acq: 16 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

L3-WC-6

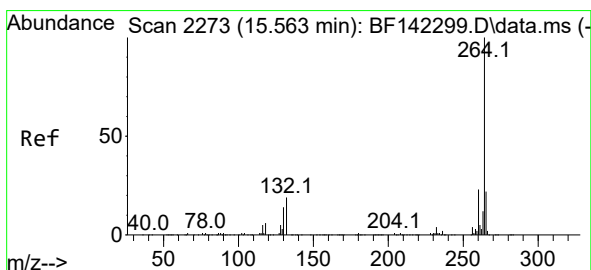
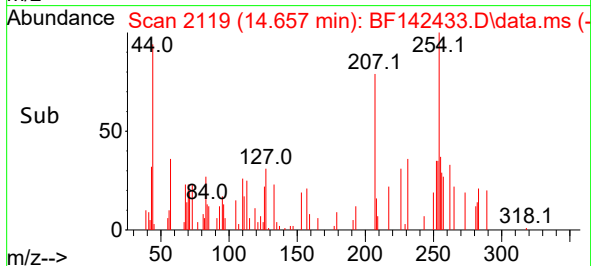
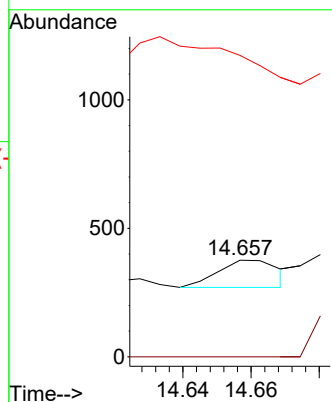
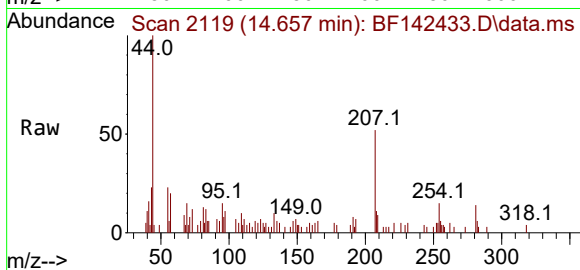
Tgt Ion:149 Resp: 131

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 0.0 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF142433.D

Acq: 16 May 2025 18:13

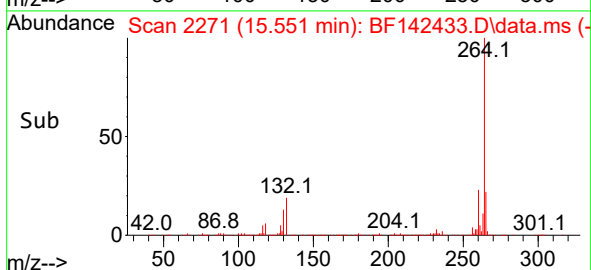
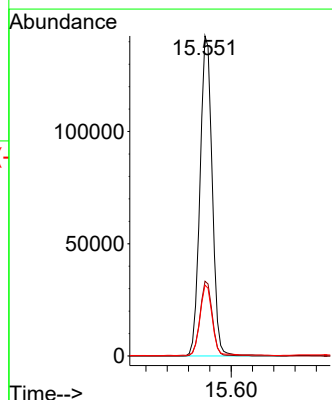
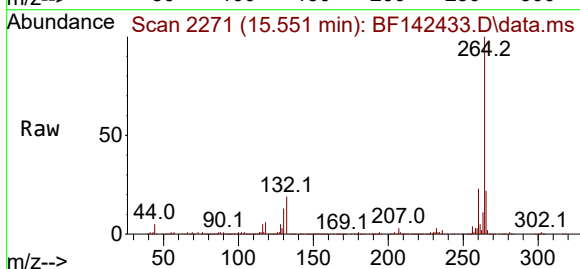
Tgt Ion:264 Resp: 226977

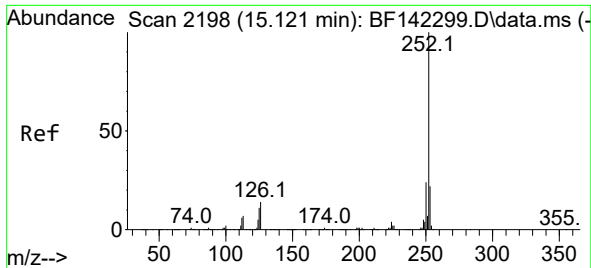
Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 22.1 17.5 26.3

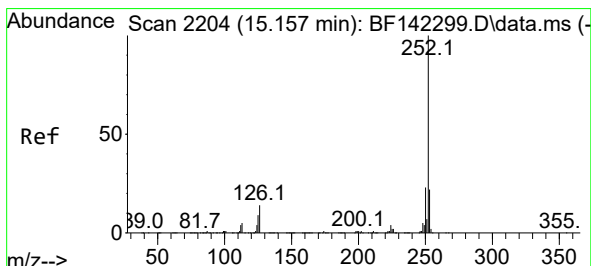
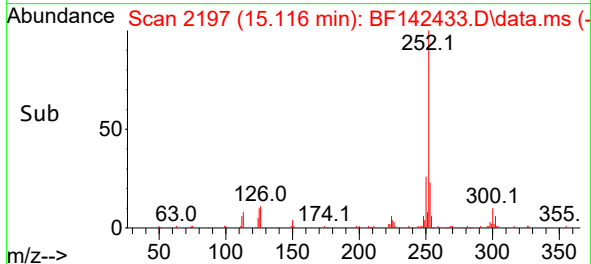
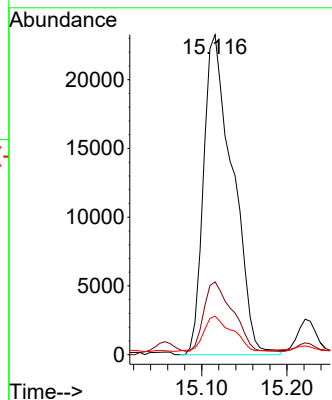
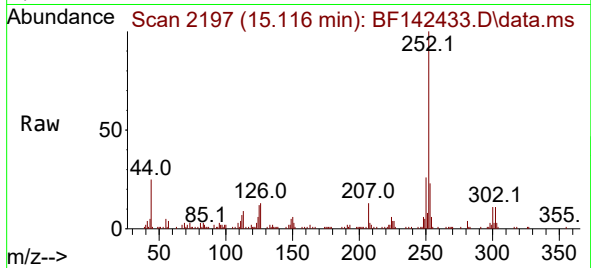




#88
Benzo(b)fluoranthene
Concen: 4.023 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
L3-WC-6

Tgt Ion:252 Resp: 55303
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 12.1 8.7 13.1



#89
Benzo(k)fluoranthene
Concen: 4.396 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.041 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

Tgt Ion:252 Resp: 55303
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 12.1 8.1 12.1

