

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144224.D
 Acq On : 12 Nov 2025 01:54
 Operator : RC/JU
 Sample : Q3590-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0317-0318-COMP

Quant Time: Nov 12 03:50:09 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)

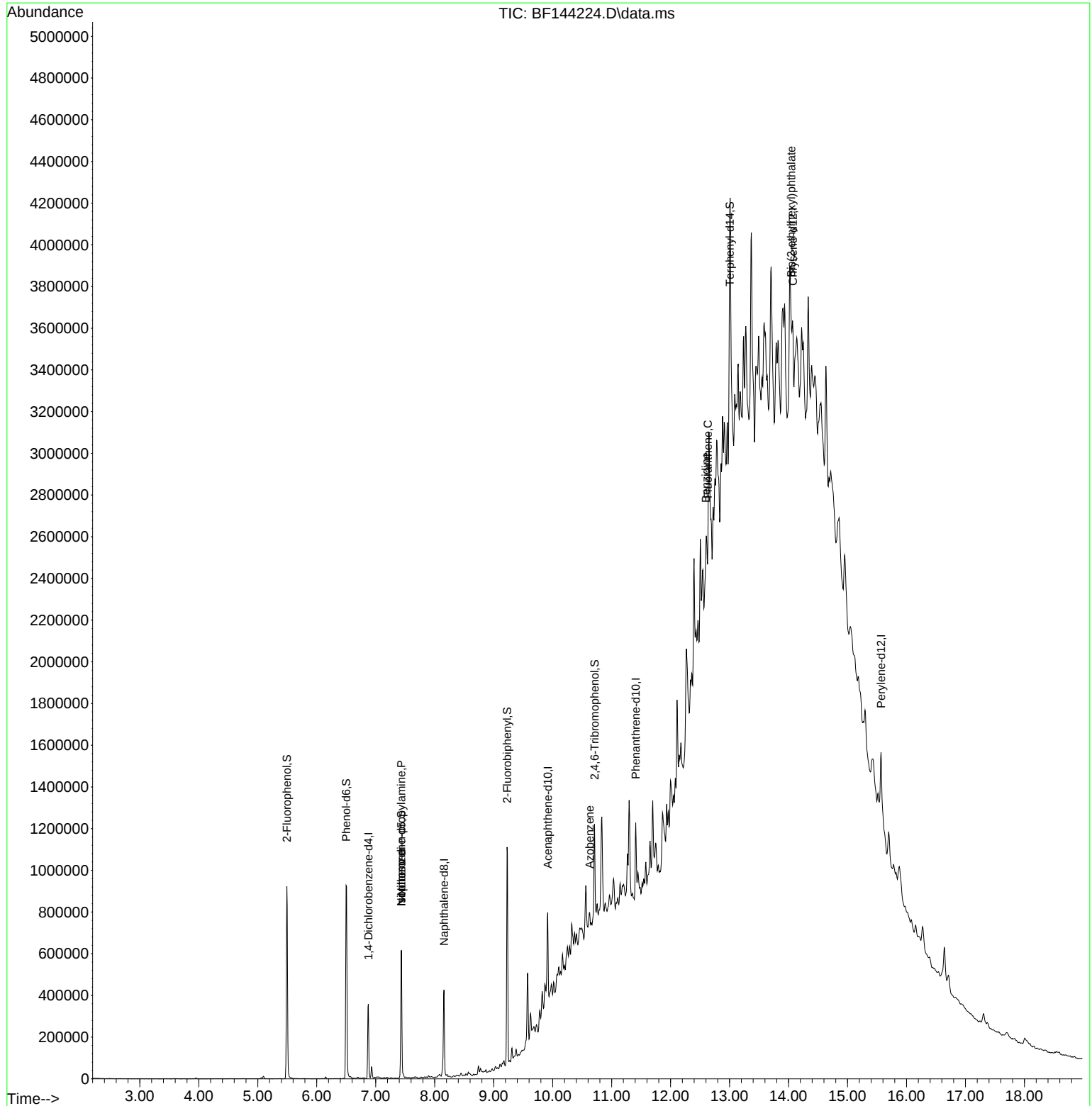
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	73603	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	270086	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	130267	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	177961	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	136254	20.000	ng	# 0.02
86) Perylene-d12	15.568	264	147348	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	358302	76.179	ng	0.00
7) Phenol-d6	6.498	99	404483	75.897	ng	0.00
23) Nitrobenzene-d5	7.434	82	248672	53.176	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	112275	68.682	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	493224	55.920	ng	0.00
79) Terphenyl-d14	13.004	244	371862	43.350	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	37397	10.659	ng	# 77
25) Isophorone	7.434	82	248669	28.112	ng	# 66
63) Azobenzene	10.628	77	26509	3.580	ng	# 11
75) Fluoranthene	12.633	202	21174	2.313	ng	# 64
77) Benzidine	12.598	184	135143	33.532	ng	# 95
84) Bis(2-ethylhexyl)phtha...	14.045	149	34901	6.696	ng	# 77

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

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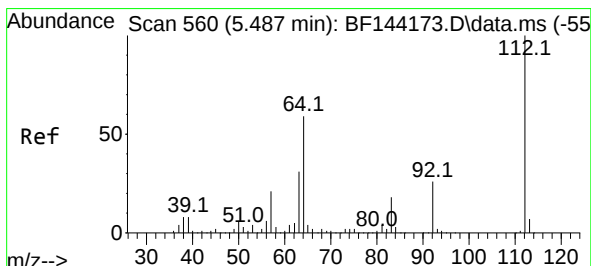
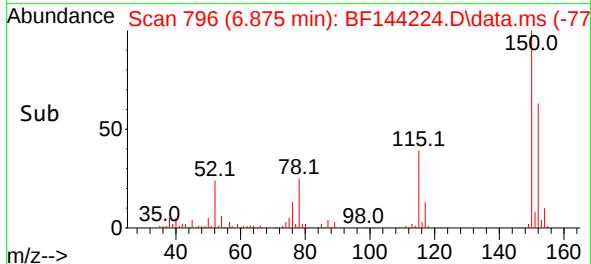
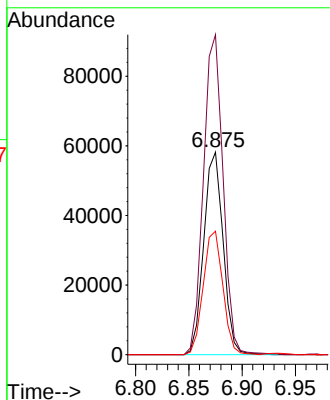
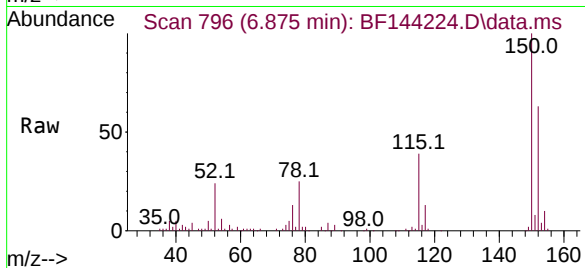




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

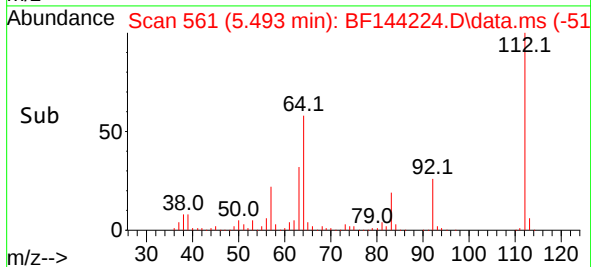
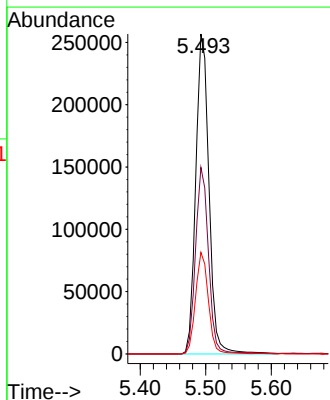
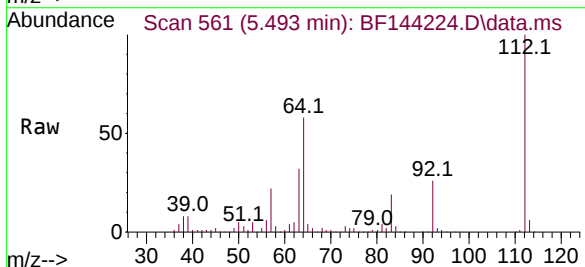
Instrument :
BNA_F
ClientSampleId :
MOO-25-0317-0318-COMP

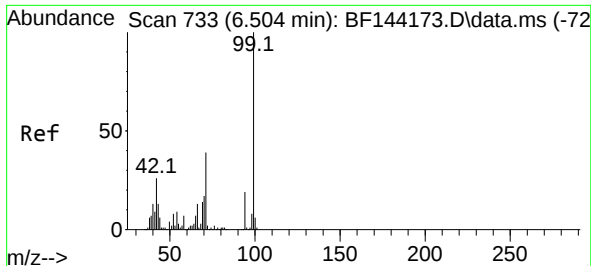
Tgt Ion:152 Resp: 73603
Ion Ratio Lower Upper
152 100
150 158.0 127.4 191.0
115 61.0 49.5 74.3



#5
2-Fluorophenol
Concen: 76.179 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

Tgt Ion:112 Resp: 358302
Ion Ratio Lower Upper
112 100
64 58.3 47.2 70.8
63 31.7 24.4 36.6

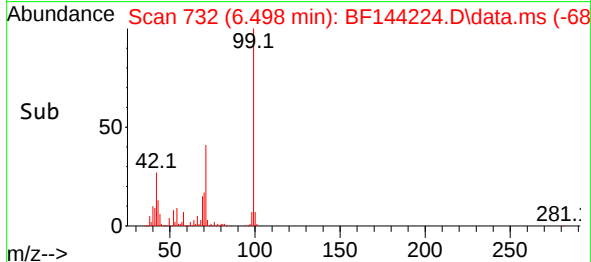
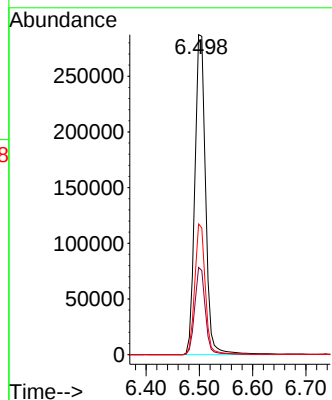
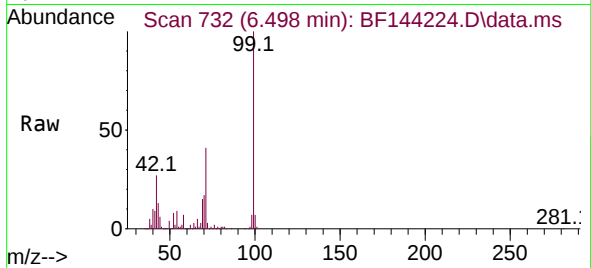




#7
Phenol-d6
Concen: 75.897 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

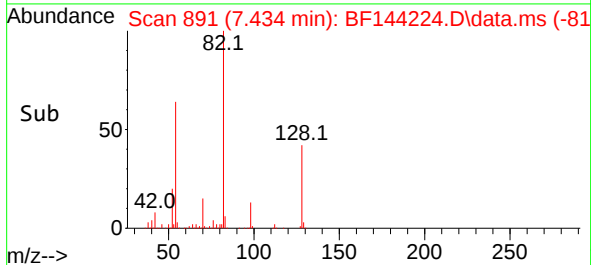
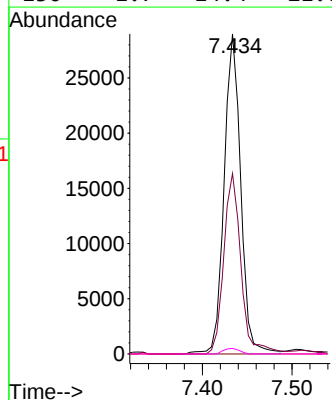
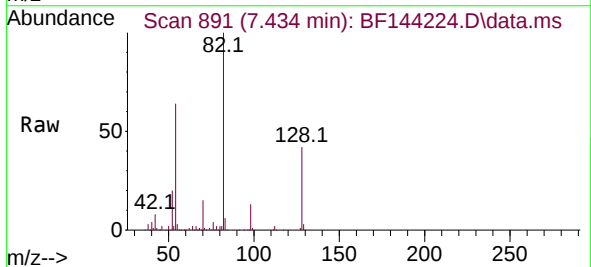
Instrument :
BNA_F
ClientSampleId :
MOO-25-0317-0318-COMP

Tgt Ion: 99 Resp: 404483
Ion Ratio Lower Upper
99 100
42 27.2 20.9 31.3
71 40.8 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.659 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.159 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

Tgt Ion: 70 Resp: 37397
Ion Ratio Lower Upper
70 100
42 56.4 58.3 87.5#
101 0.0 7.0 10.6#
130 1.7 14.4 21.6#

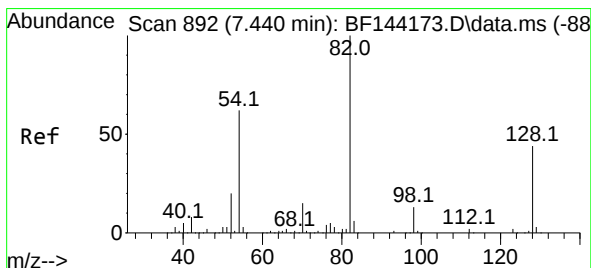
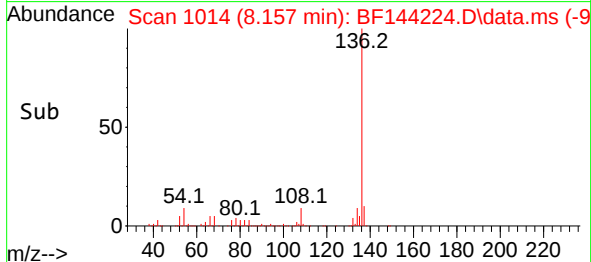
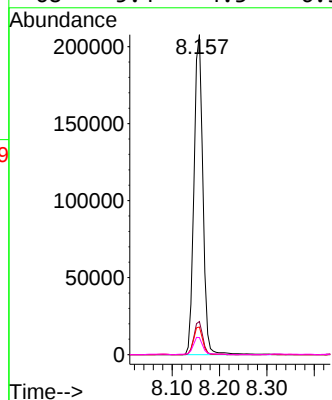
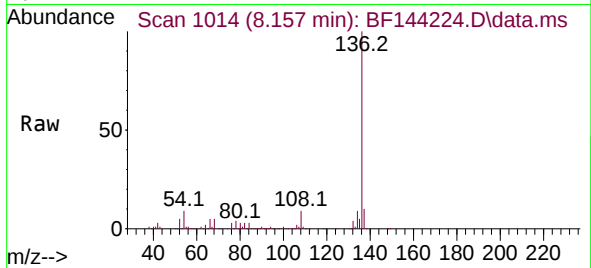




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

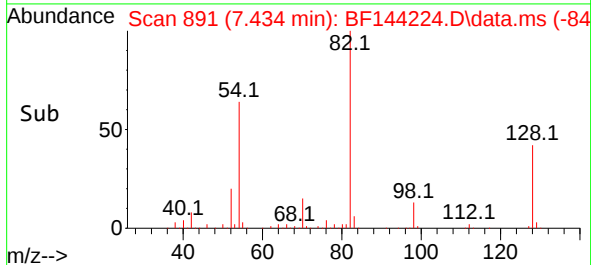
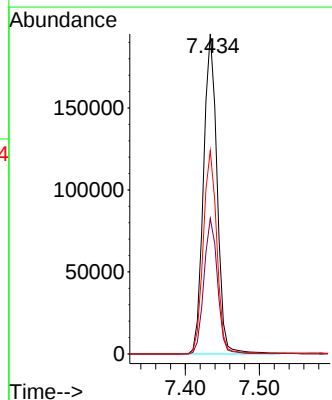
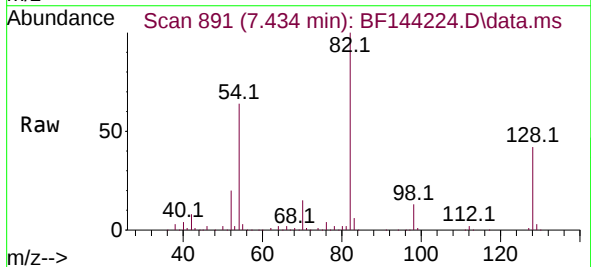
Instrument :
BNA_F
ClientSampleId :
MOO-25-0317-0318-COMP

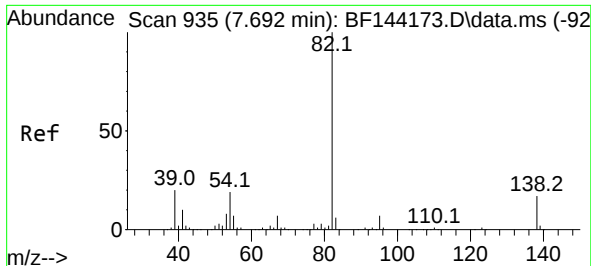
Tgt Ion:	136	Resp:	270086
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	8.6	7.0	10.6
68	5.4	4.3	6.5



#23
Nitrobenzene-d5
Concen: 53.176 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

Tgt Ion:	82	Resp:	248672
Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.7	52.1
54	63.5	49.5	74.3

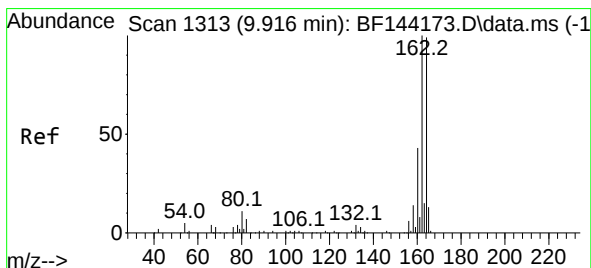
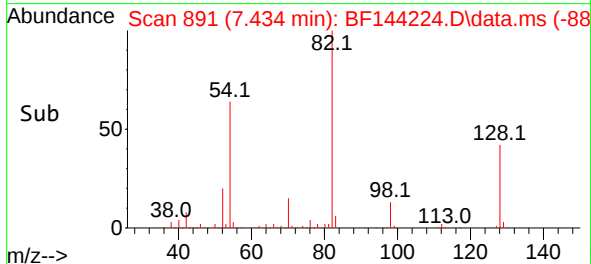
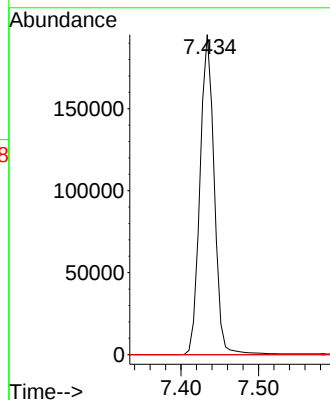
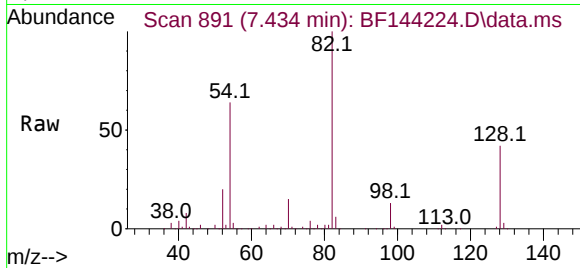




#25
Isophorone
Concen: 28.112 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.253 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

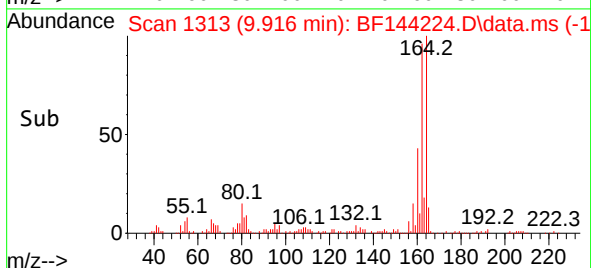
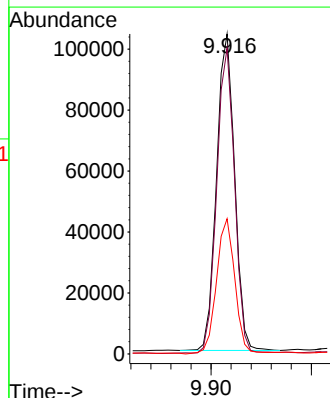
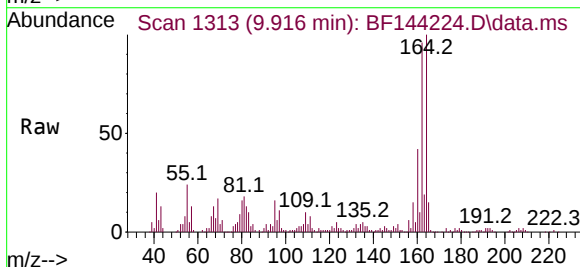
Instrument :
BNA_F
ClientSampleId :
MOO-25-0317-0318-COMP

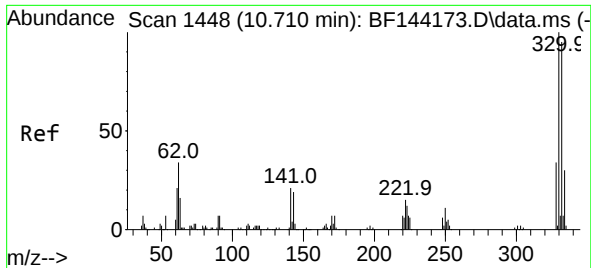
Tgt Ion: 82 Resp: 248669
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

Tgt Ion:164 Resp: 130267
Ion Ratio Lower Upper
164 100
162 95.5 81.1 121.7
160 42.2 34.5 51.7

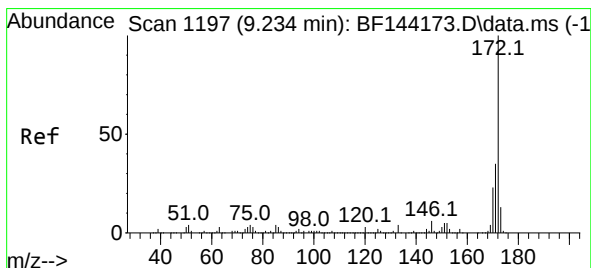
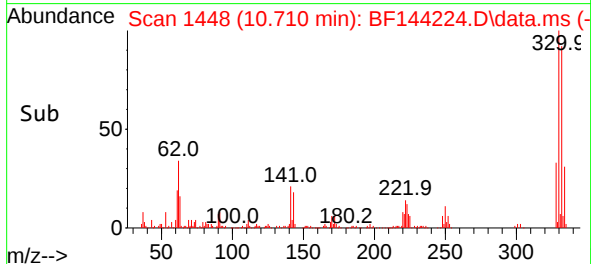
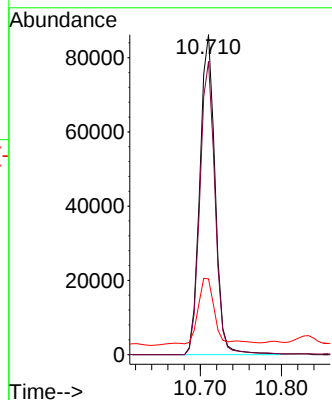
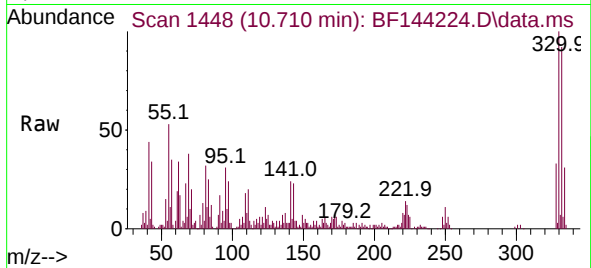




#42
2,4,6-Tribromophenol
Concen: 68.682 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

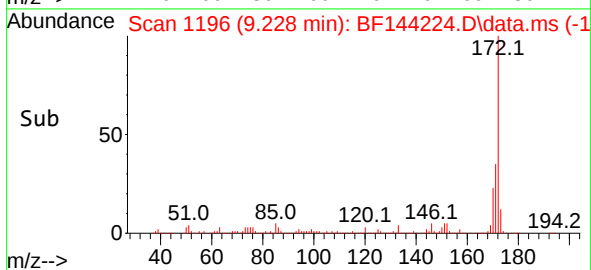
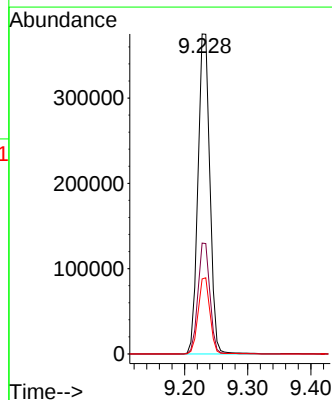
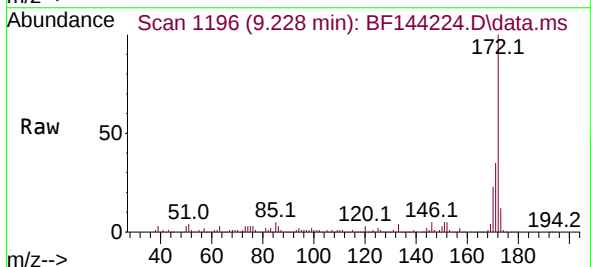
Instrument :
BNA_F
ClientSampleId :
MOO-25-0317-0318-COMP

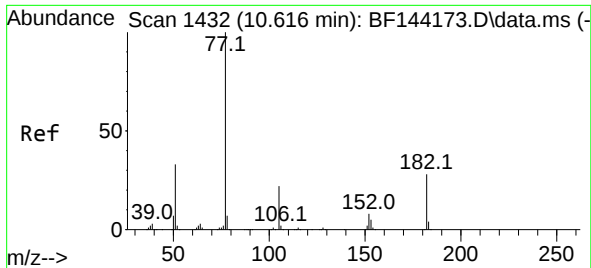
Tgt Ion: 330 Resp: 112275
Ion Ratio Lower Upper
330 100
332 91.8 76.7 115.1
141 20.9 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 55.920 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

Tgt Ion: 172 Resp: 493224
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 23.5 18.6 28.0

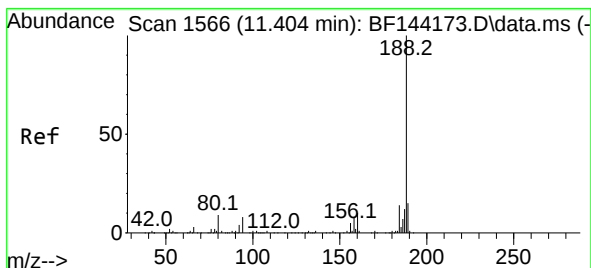
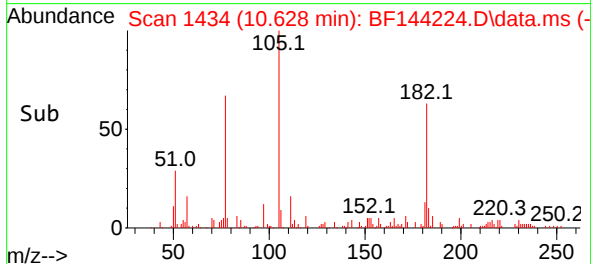
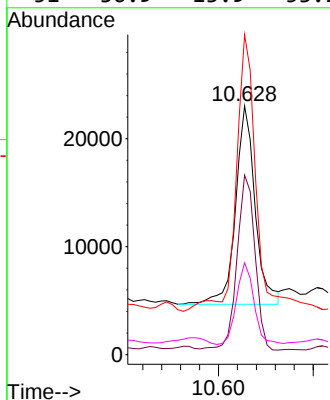
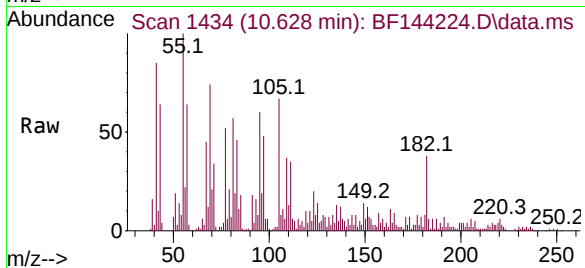




#63
Azobenzene
Concen: 3.580 ng
RT: 10.628 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

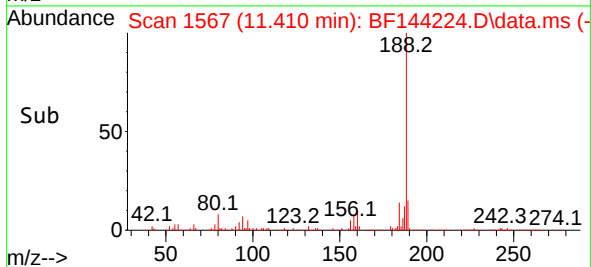
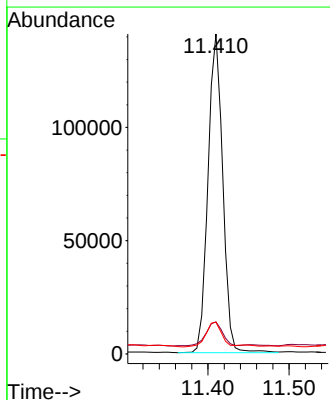
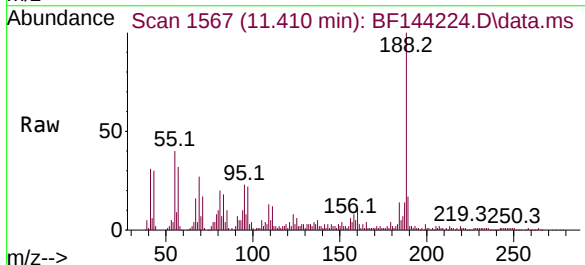
Instrument :
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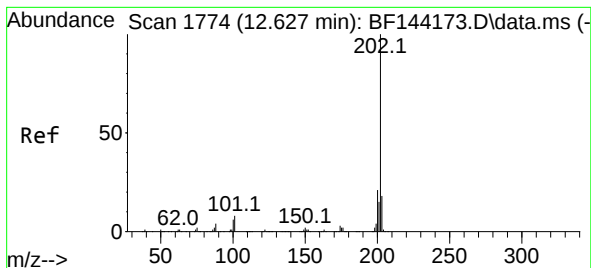
Tgt Ion: 77	Resp: 26509
Ion Ratio	Lower Upper
77 100	
182 72.1	8.1 48.1#
105 128.6	2.0 42.0#
51 36.9	13.9 53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.006 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

Tgt Ion: 188	Resp: 177961
Ion Ratio	Lower Upper
188 100	
94 10.0	6.2 9.2#
80 9.9	6.9 10.3





#75

Fluoranthene

Concen: 2.313 ng

RT: 12.633 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF144224.D

Acq: 12 Nov 2025 01:54

Instrument :

BNA_F

ClientSampleId :

MOO-25-0317-0318-COMP

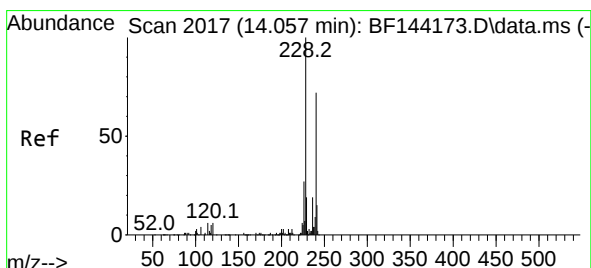
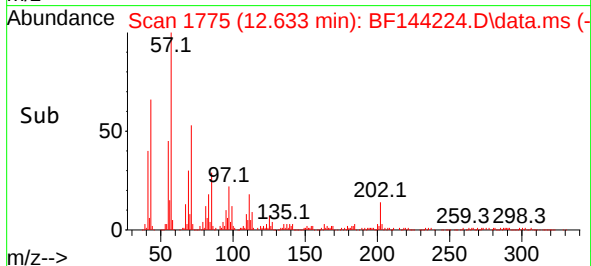
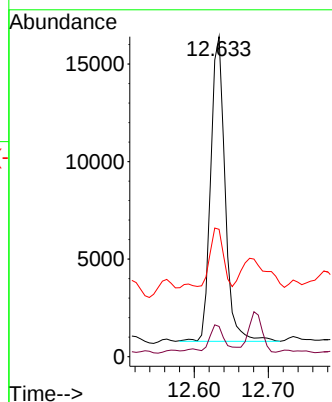
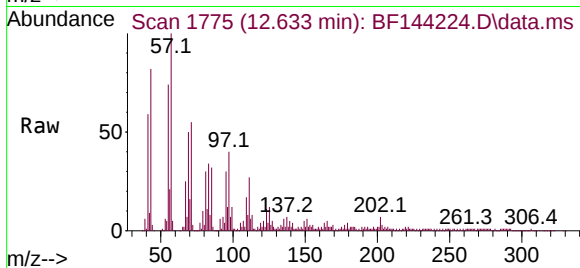
Tgt Ion:202 Resp: 21174

Ion Ratio Lower Upper

202 100

101 9.4 0.0 27.9

203 39.8 0.0 37.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.024 min

Lab File: BF144224.D

Acq: 12 Nov 2025 01:54

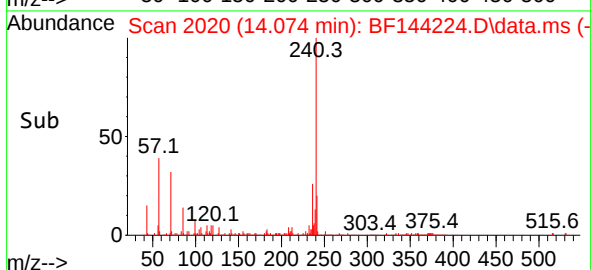
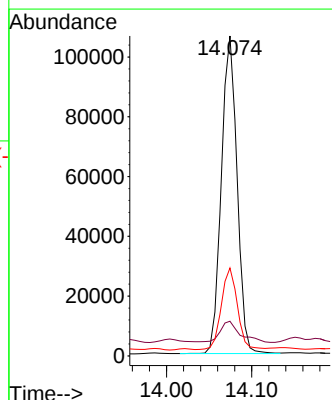
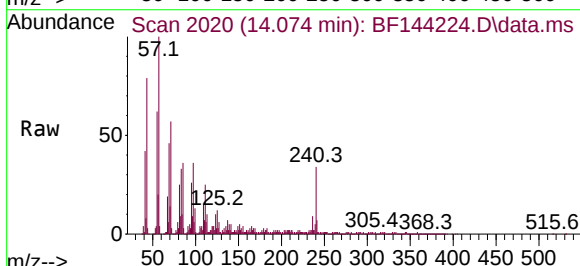
Tgt Ion:240 Resp: 136254

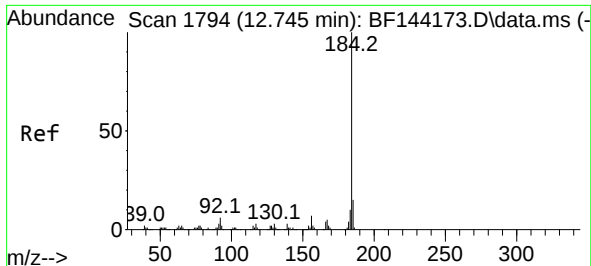
Ion Ratio Lower Upper

240 100

120 10.8 6.6 10.0#

236 27.5 21.4 32.2

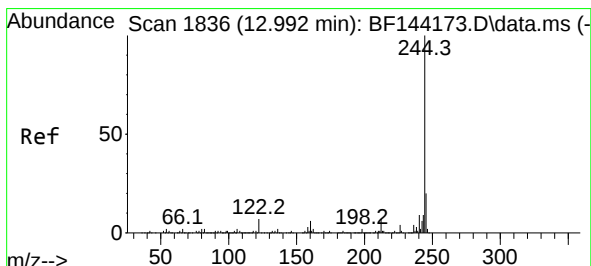
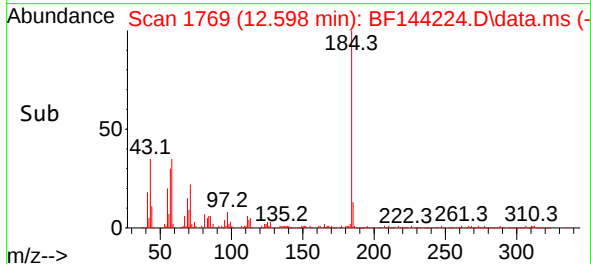
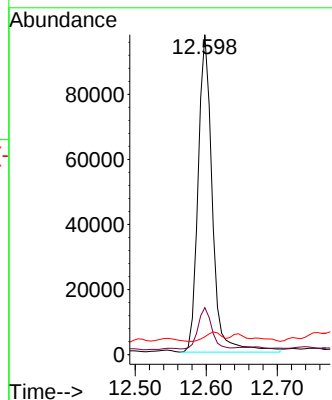
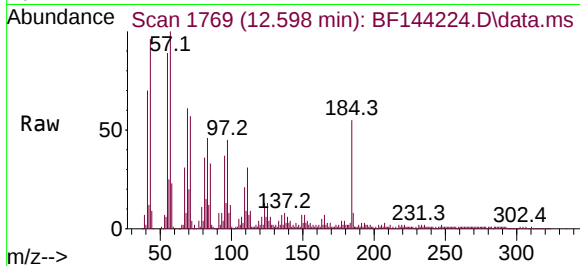




#77
Benzidine
Concen: 33.532 ng
RT: 12.598 min Scan# 1769
Delta R.T. -0.153 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

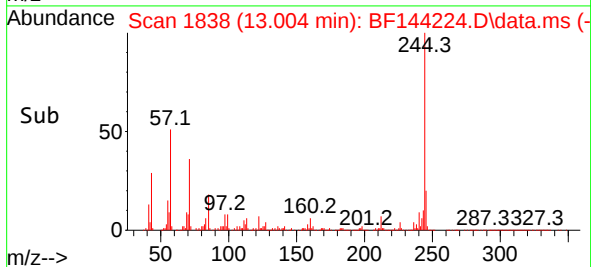
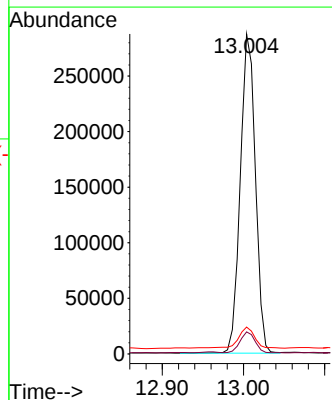
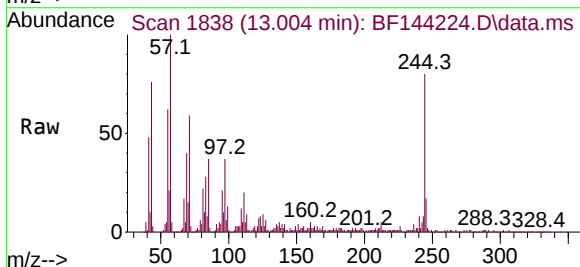
Instrument :
BNA_F
ClientSampleId :
MOO-25-0317-0318-COMP

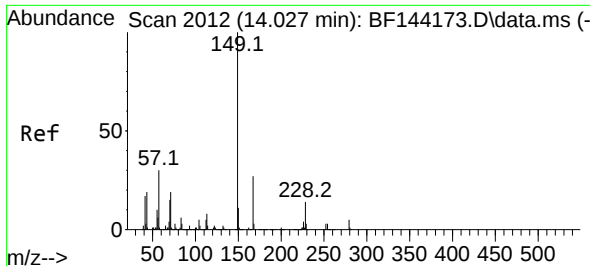
Tgt Ion:184 Resp: 135143
Ion Ratio Lower Upper
184 100
185 14.7 11.7 17.5
183 5.6 8.3 12.5#



#79
Terphenyl-d14
Concen: 43.350 ng
RT: 13.004 min Scan# 1838
Delta R.T. 0.012 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

Tgt Ion:244 Resp: 371862
Ion Ratio Lower Upper
244 100
212 6.9 5.3 7.9
122 8.4 5.6 8.4

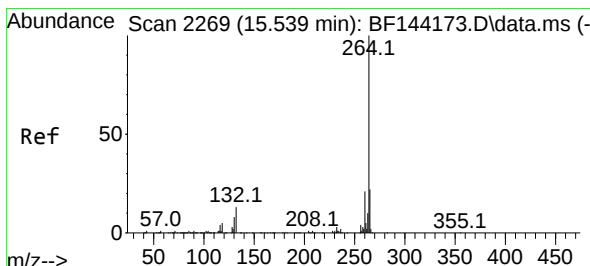
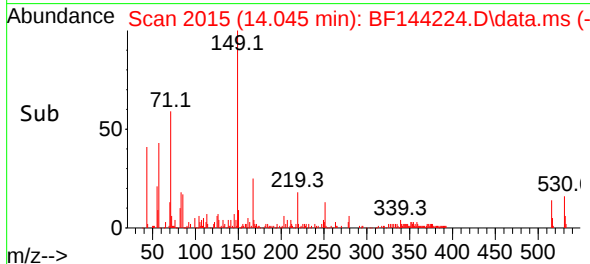
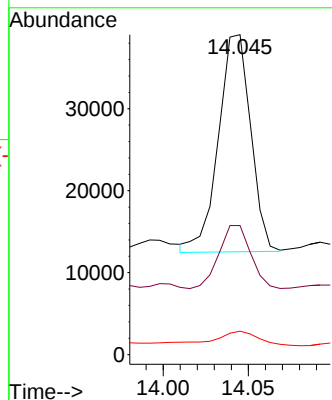
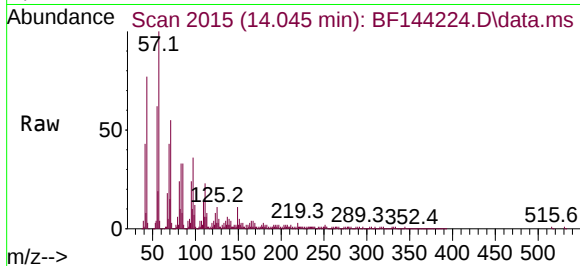




#84
Bis(2-ethylhexyl)phthalate
Concen: 6.696 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.018 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

Instrument :
BNA_F
ClientSampleId :
MOO-25-0317-0318-COMP

Tgt Ion:149 Resp: 34901
Ion Ratio Lower Upper
149 100
167 40.3 21.8 32.8#
279 7.3 3.7 5.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.029 min
Lab File: BF144224.D
Acq: 12 Nov 2025 01:54

Tgt Ion:264 Resp: 147348
Ion Ratio Lower Upper
264 100
260 22.9 17.1 25.7
265 22.2 17.4 26.0

