

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143134.D
 Acq On : 17 Jul 2025 04:02
 Operator : RC/JU
 Sample : Q2558-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-Denali-070925

Quant Time: Jul 17 04:46:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

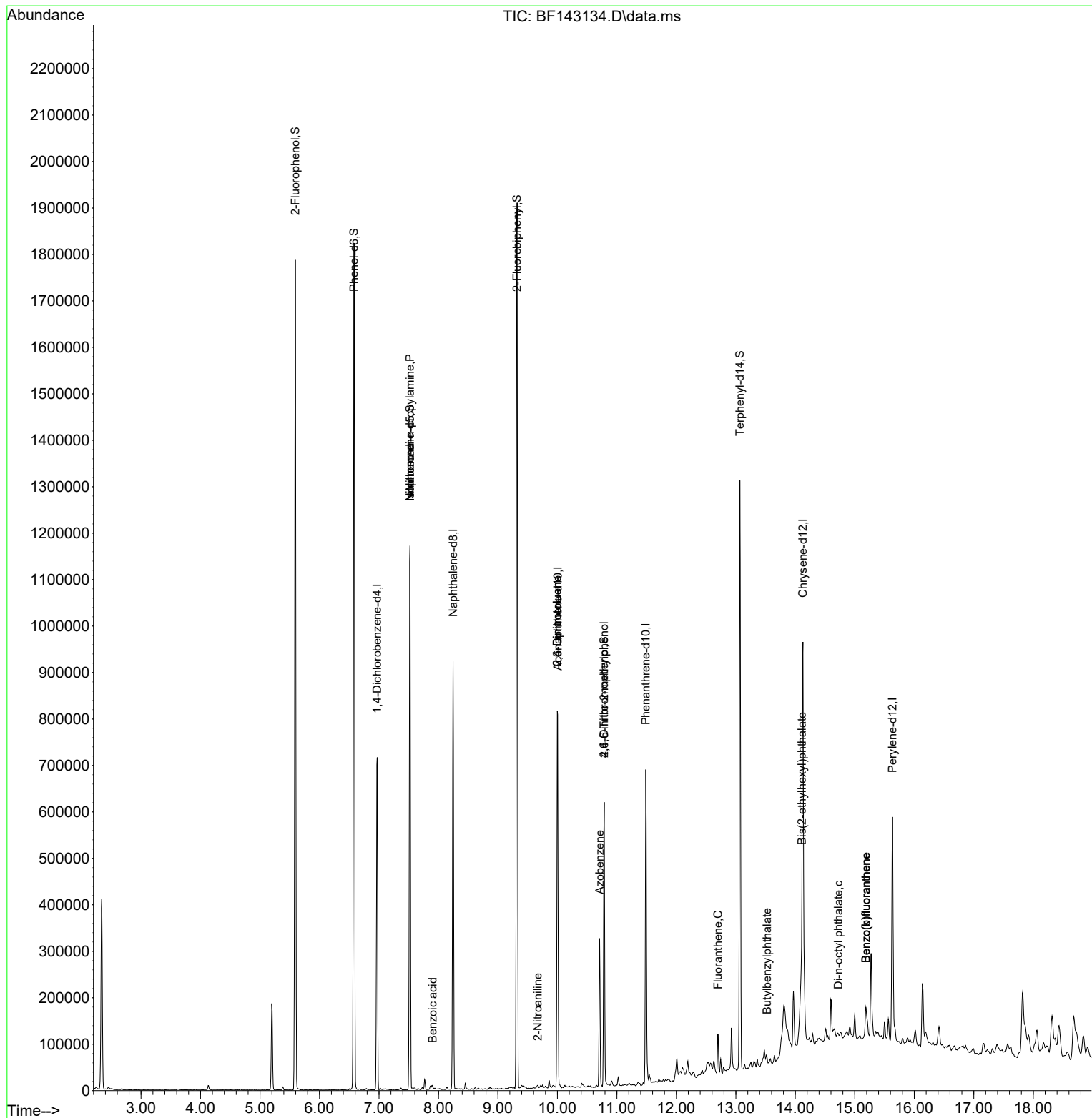
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	148809	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	543974	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	239712	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	333996	20.000	ng	0.00
76) Chrysene-d12	14.127	240	302047	20.000	ng	0.00
86) Perylene-d12	15.633	264	277642	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	631556	67.054	ng	0.00
7) Phenol-d6	6.581	99	824463	69.638	ng	0.00
23) Nitrobenzene-d5	7.522	82	508212	52.410	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	99201	46.412	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	835214	46.315	ng	0.00
79) Terphenyl-d14	13.069	244	588719	28.492	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.522	70	69869	9.633	ng	# 78
25) Isophorone	7.522	82	505957	26.995	ng	# 65
32) Benzoic acid	7.904	122	1120	6.744	ng	90
48) 2-Nitroaniline	9.669	65	58	3.188	ng	# 8
51) 2,6-Dinitrotoluene	9.998	165	31136	12.636	ng	# 17
57) 2,4-Dinitrotoluene	9.998	165	31136	11.174	ng	# 20
63) Azobenzene	10.710	77	78553	4.882	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	120	5.559	ng	# 1
75) Fluoranthene	12.698	202	46789	2.855	ng	99
80) Butylbenzylphthalate	13.527	149	499	3.494	ng	# 34
84) Bis(2-ethylhexyl)phtha...	14.110	149	17165	5.289	ng	96
85) Di-n-octyl phthalate	14.721	149	319	6.708	ng	# 1
88) Benzo(b)fluoranthene	15.186	252	59188	3.696	ng	# 92
89) Benzo(k)fluoranthene	15.186	252	59188	3.874	ng	# 92

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

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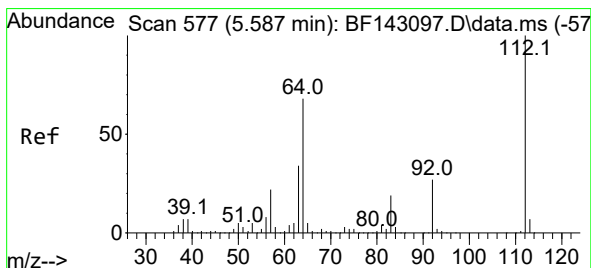
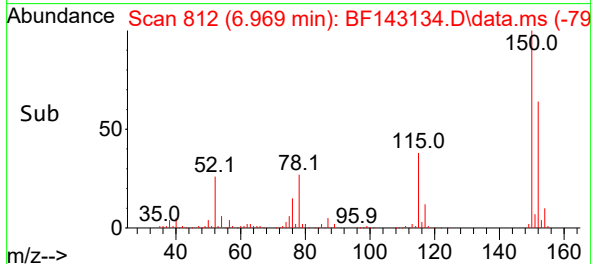
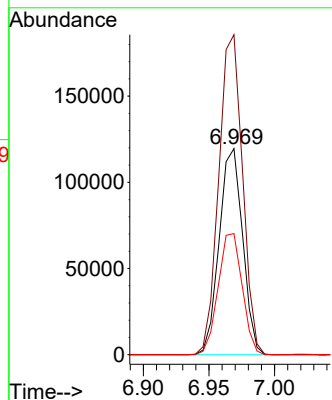
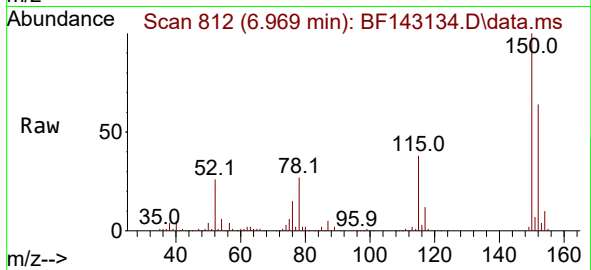




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

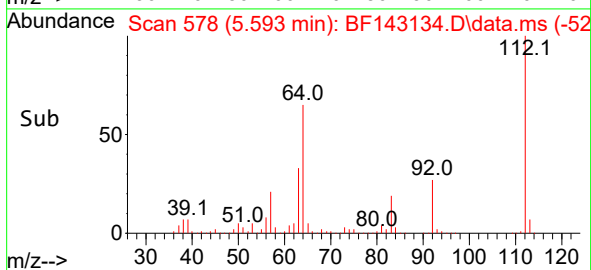
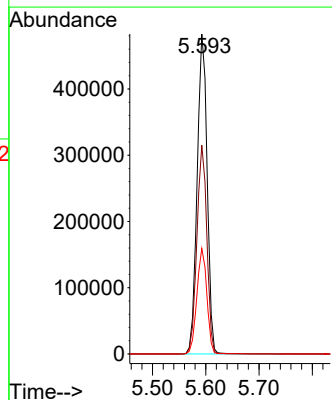
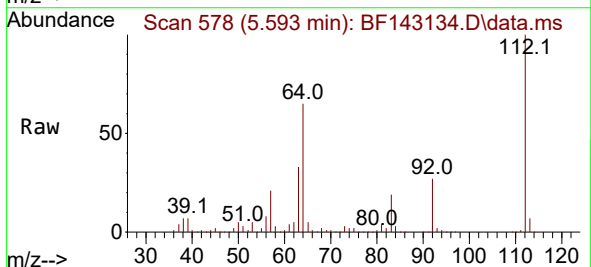
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

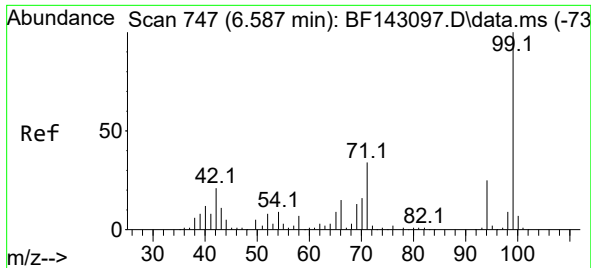
Tgt Ion:152 Resp: 148809
Ion Ratio Lower Upper
152 100
150 155.3 126.5 189.7
115 58.8 47.0 70.6



#5
2-Fluorophenol
Concen: 67.054 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion:112 Resp: 631556
Ion Ratio Lower Upper
112 100
64 65.2 54.6 82.0
63 33.0 27.3 40.9

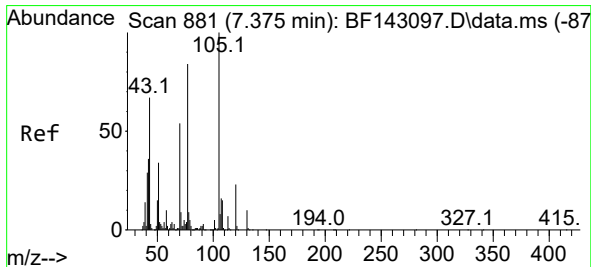
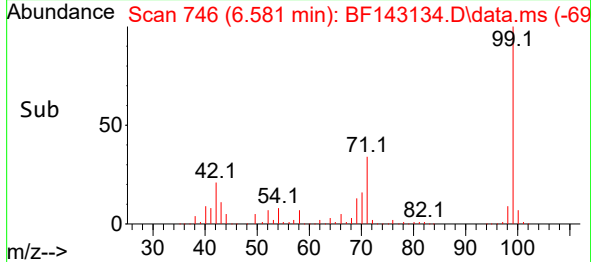
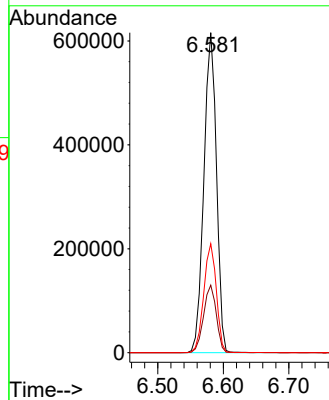
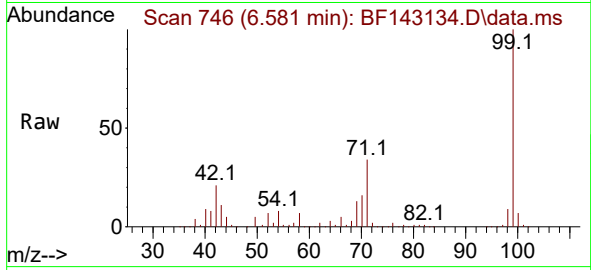




#7
Phenol-d6
Concen: 69.638 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

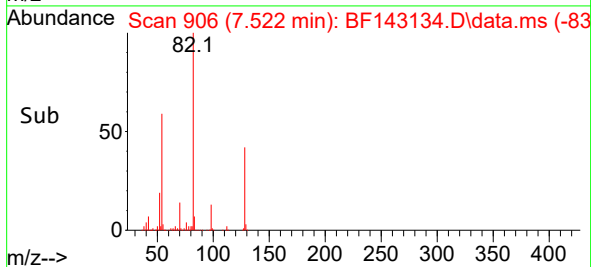
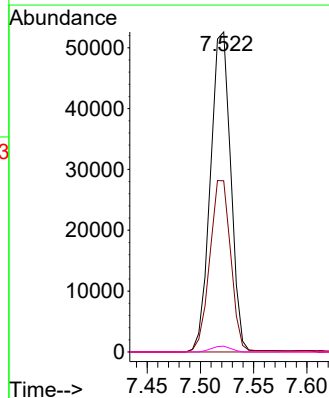
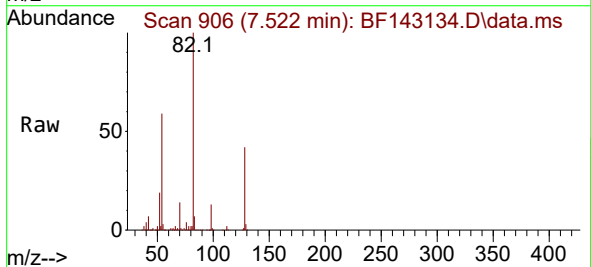
Instrument :
BNA_F
ClientSampleId :
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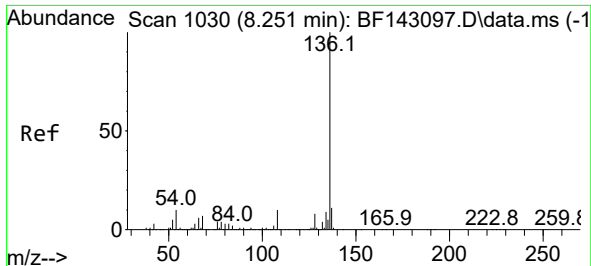
Tgt Ion: 99 Resp: 824463
Ion Ratio Lower Upper
99 100
42 21.1 17.2 25.8
71 34.1 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.633 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion: 70 Resp: 69869
Ion Ratio Lower Upper
70 100
42 53.5 53.2 79.8
101 0.0 7.5 11.3#
130 1.8 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143134.D

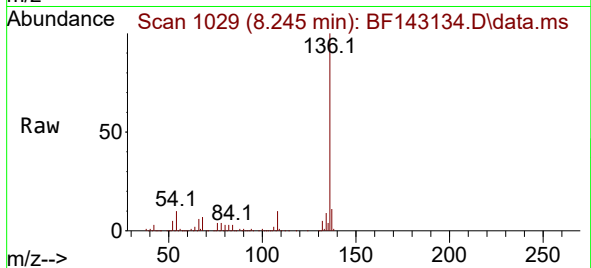
Acq: 17 Jul 2025 04:02

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Denali-070925



Tgt Ion:136 Resp: 543974

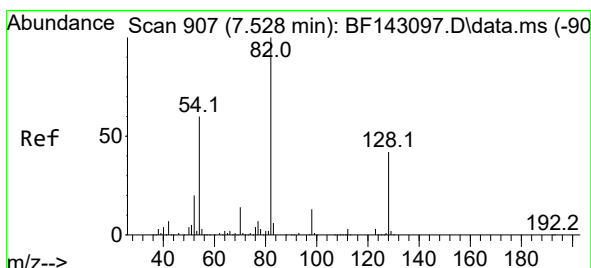
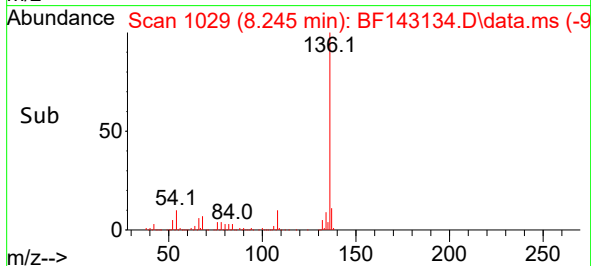
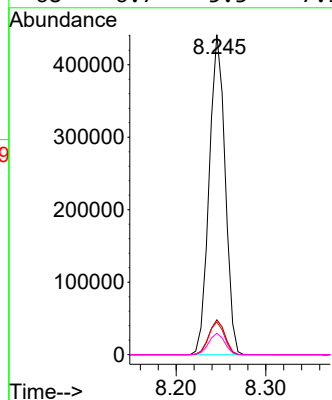
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 10.2 8.3 12.5

68 6.7 5.3 7.9



#23

Nitrobenzene-d5

Concen: 52.410 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

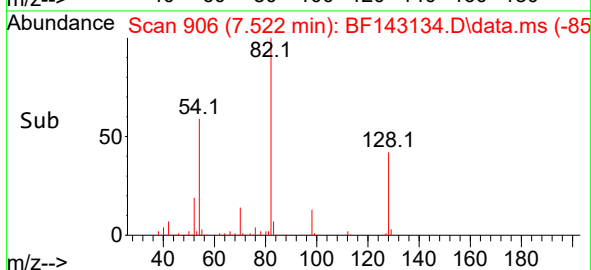
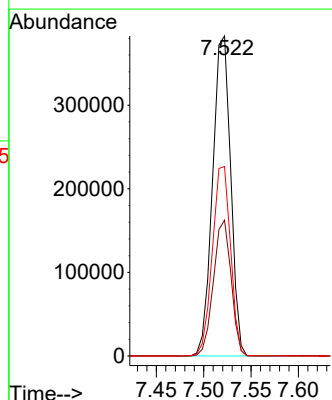
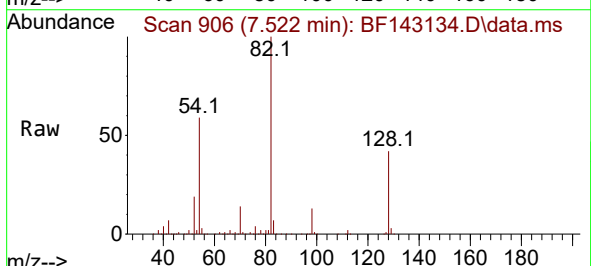
Tgt Ion: 82 Resp: 508212

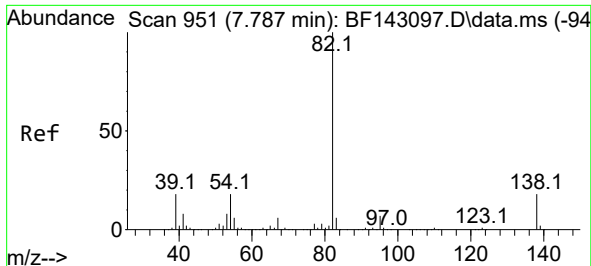
Ion Ratio Lower Upper

82 100

128 42.5 33.3 49.9

54 59.2 47.4 71.2

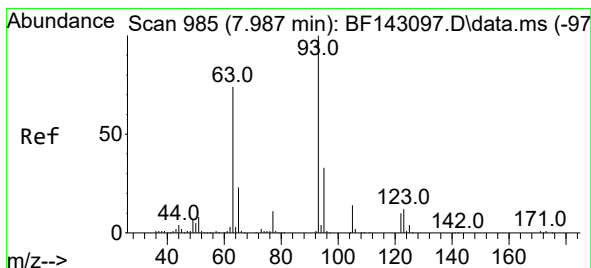
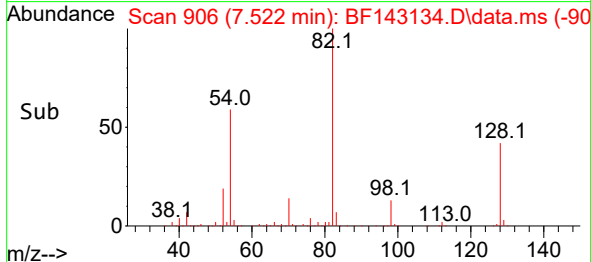
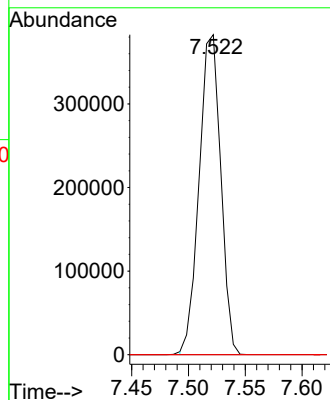
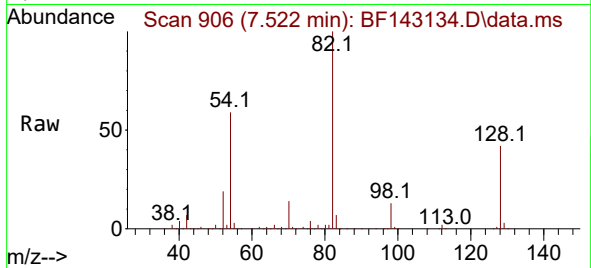




#25
Isophorone
Concen: 26.995 ng
RT: 7.522 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

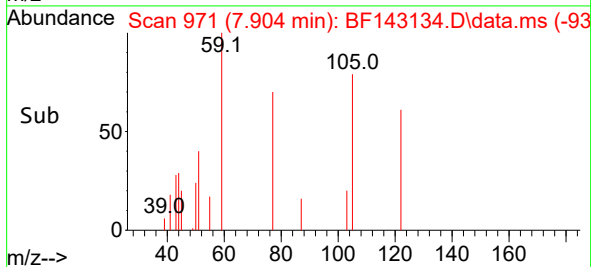
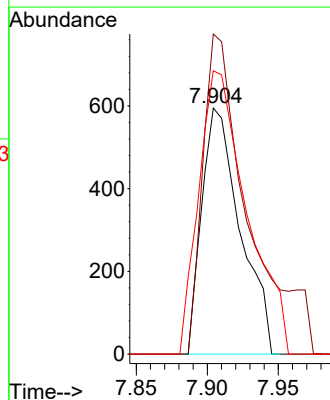
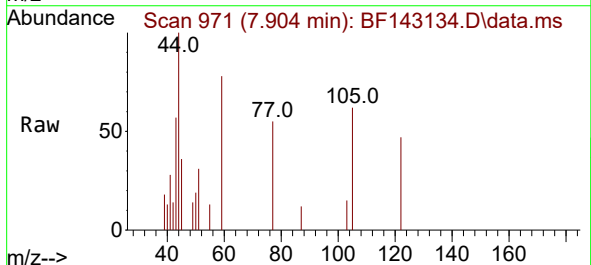
Instrument :
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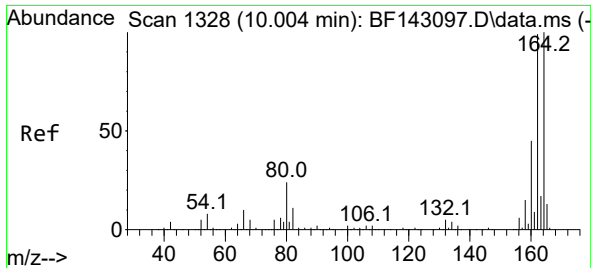
Tgt Ion: 82 Resp: 505957
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#32
Benzoic acid
Concen: 6.744 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.083 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

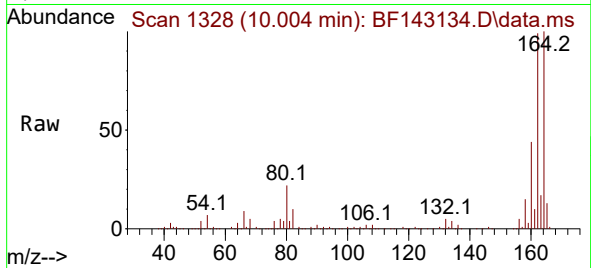
Tgt Ion:122 Resp: 1120
Ion Ratio Lower Upper
122 100
105 130.1 105.4 145.4
77 115.1 78.6 118.6



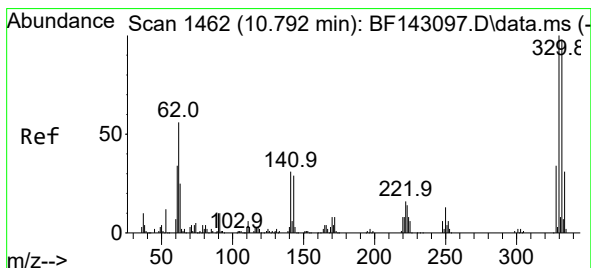
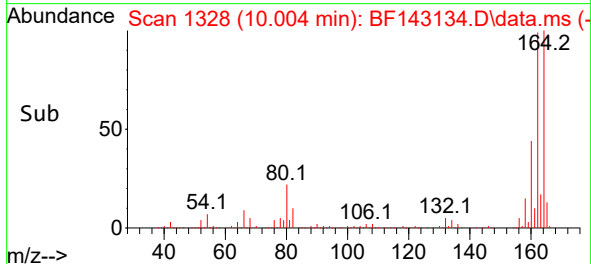
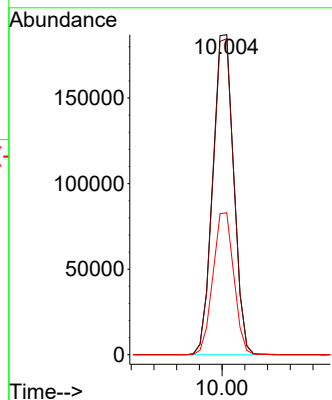


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

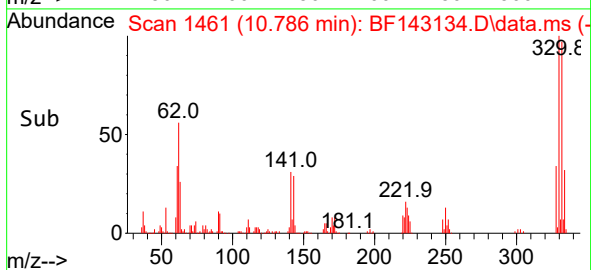
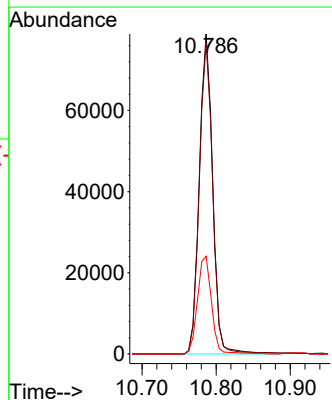
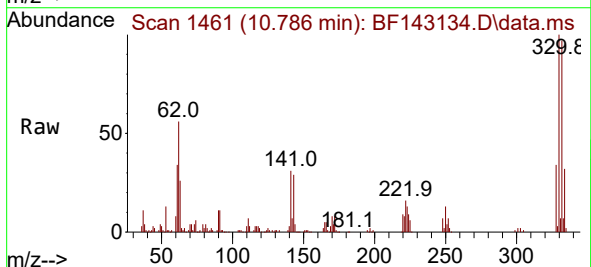


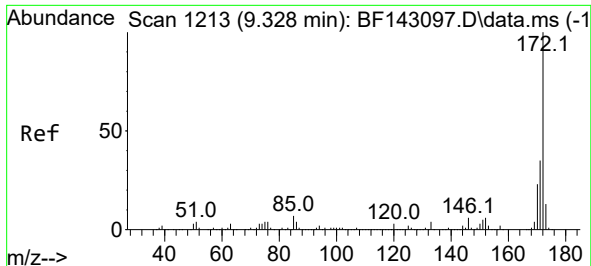
Tgt Ion:164 Resp: 239712
Ion Ratio Lower Upper
164 100
162 98.7 79.0 118.6
160 44.4 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 46.412 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion:330 Resp: 99201
Ion Ratio Lower Upper
330 100
332 97.1 77.9 116.9
141 32.0 25.9 38.9

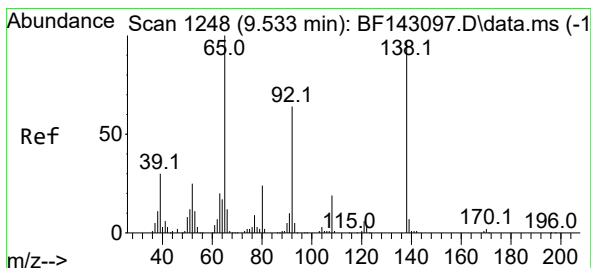
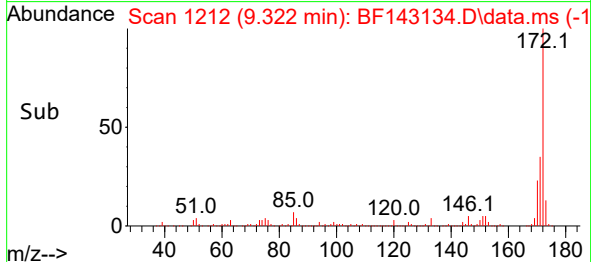
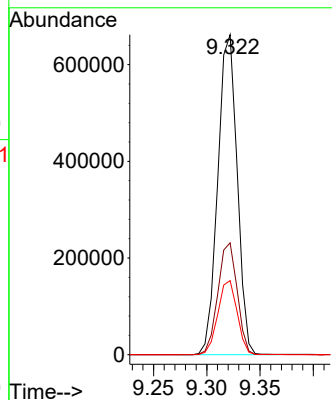
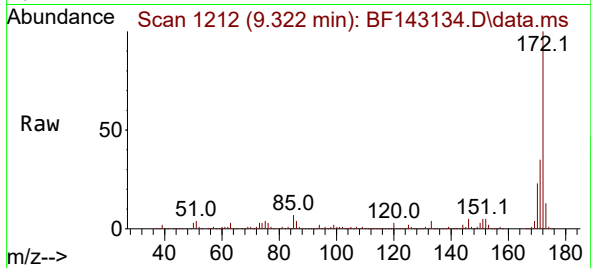




#45
2-Fluorobiphenyl
Concen: 46.315 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

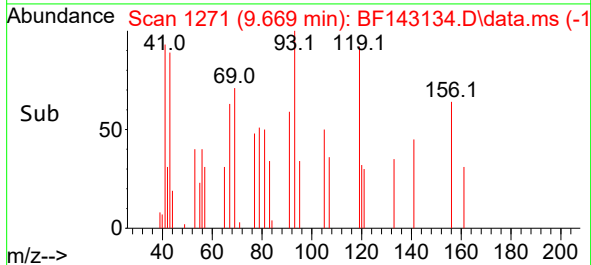
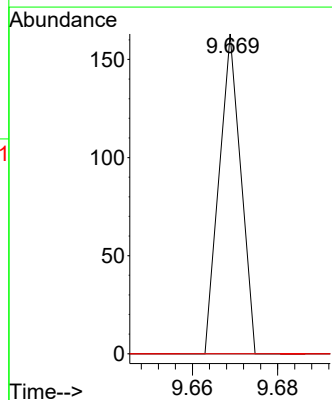
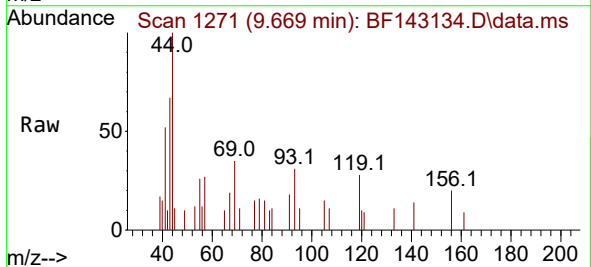
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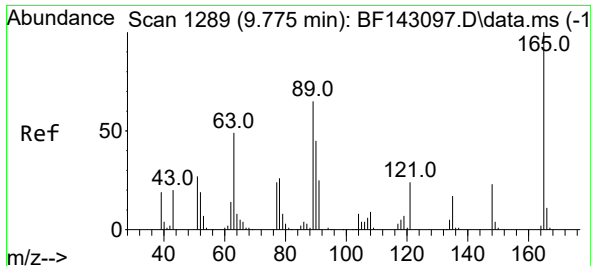
Tgt Ion:172 Resp: 835214
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.2 18.6 28.0



#48
2-Nitroaniline
Concen: 3.188 ng
RT: 9.669 min Scan# 1271
Delta R.T. 0.136 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion: 65 Resp: 58
Ion Ratio Lower Upper
65 100
92 0.0 51.3 76.9#
138 0.0 77.8 116.6#

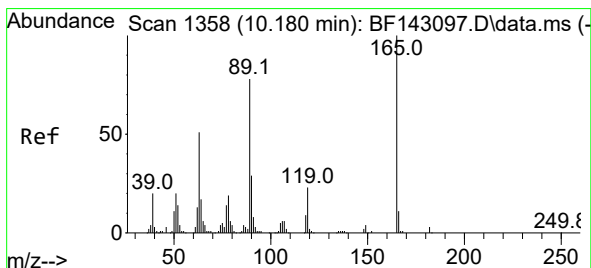
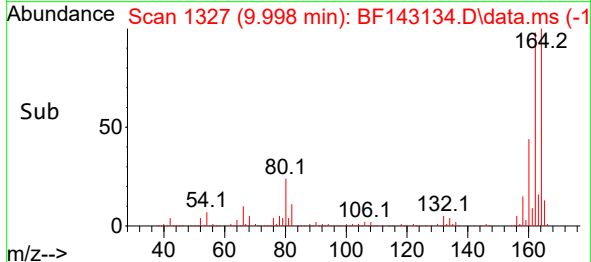
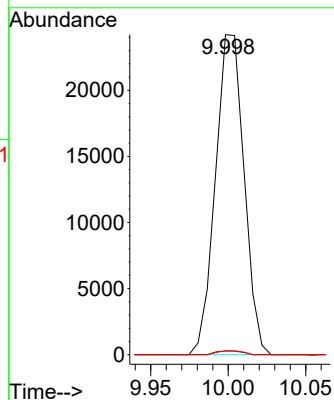
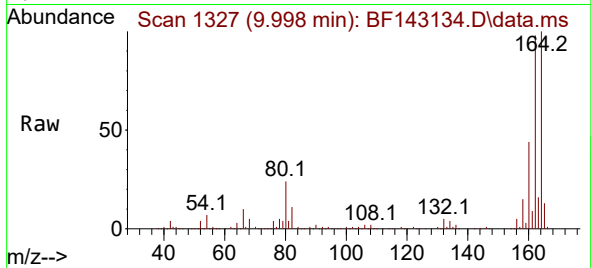




#51
2,6-Dinitrotoluene
Concen: 12.636 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

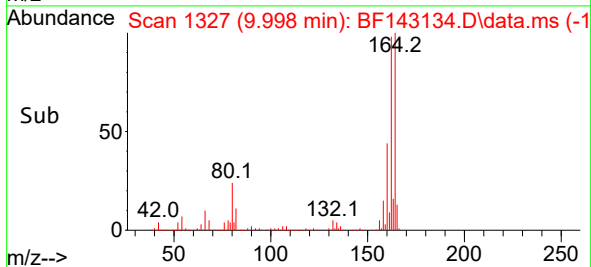
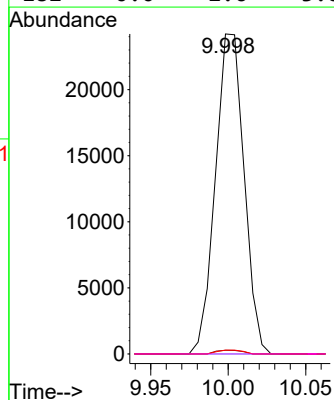
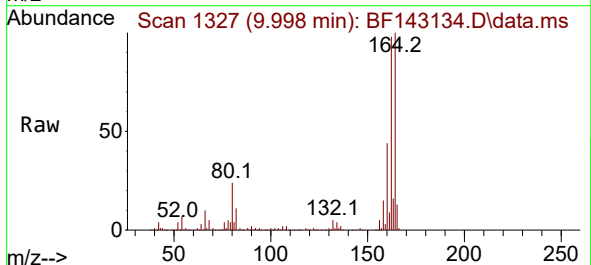
Instrument :
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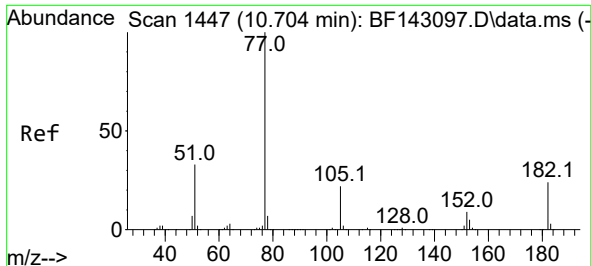
Tgt Ion:165 Resp: 31136
Ion Ratio Lower Upper
165 100
63 1.2 57.4 86.0#
89 1.2 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 11.174 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.182 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion:165 Resp: 31136
Ion Ratio Lower Upper
165 100
63 1.2 40.6 61.0#
89 1.2 62.3 93.5#
182 0.0 2.6 3.8#

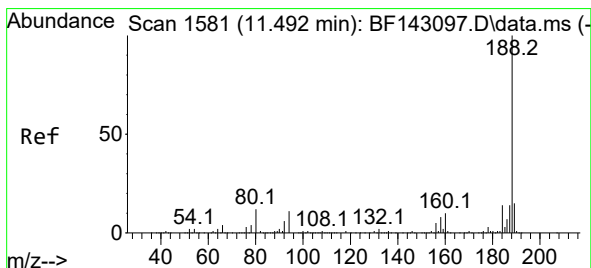
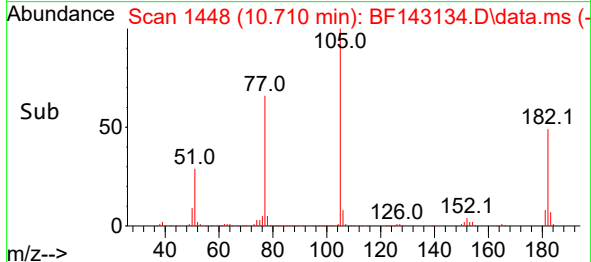
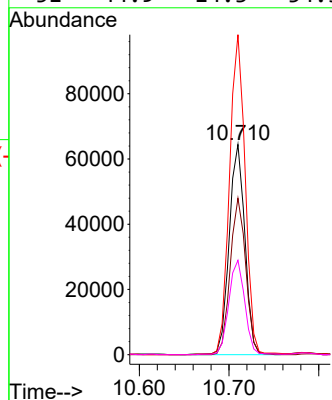
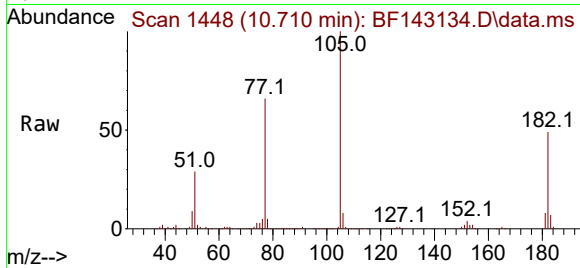




#63
Azobenzene
Concen: 4.882 ng
RT: 10.710 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

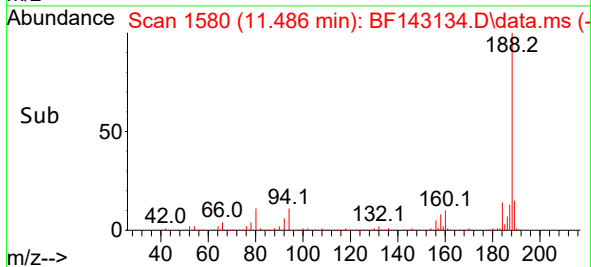
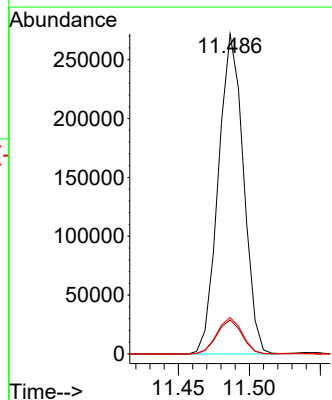
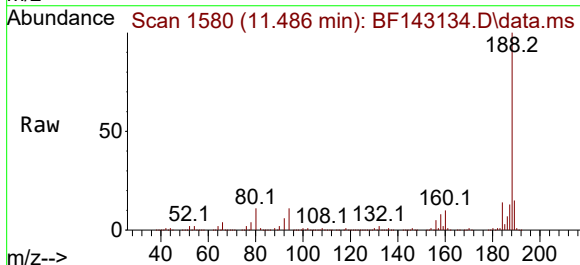
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

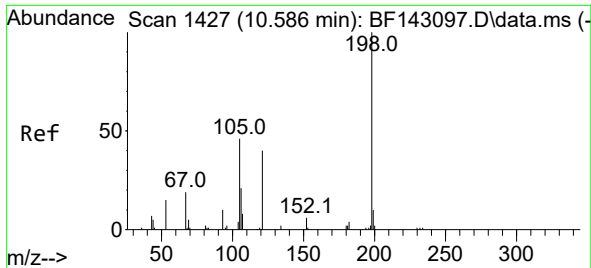
Tgt Ion: 77 Resp: 78553
Ion Ratio Lower Upper
77 100
182 74.5 4.0 44.0#
105 152.2 1.4 41.4#
51 44.9 14.3 54.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion: 188 Resp: 333996
Ion Ratio Lower Upper
188 100
94 10.6 8.6 13.0
80 11.4 9.3 13.9

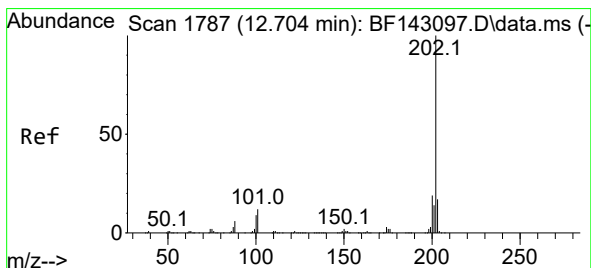
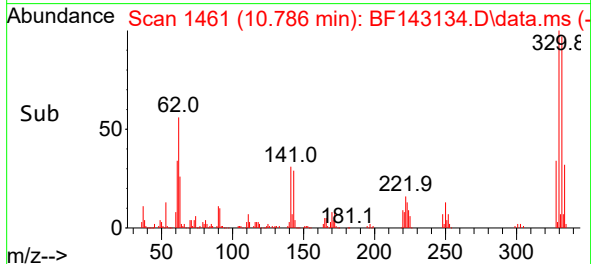
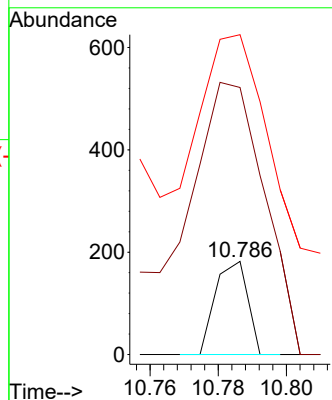
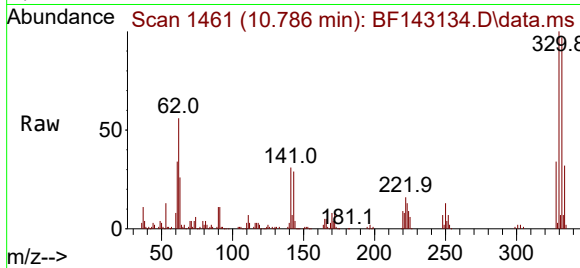




#65
4,6-Dinitro-2-methylphenol
Concen: 5.559 ng
RT: 10.786 min Scan# 1427
Delta R.T. 0.200 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

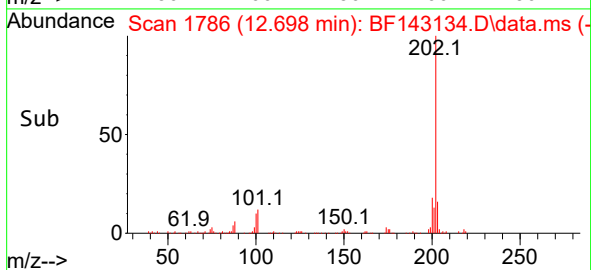
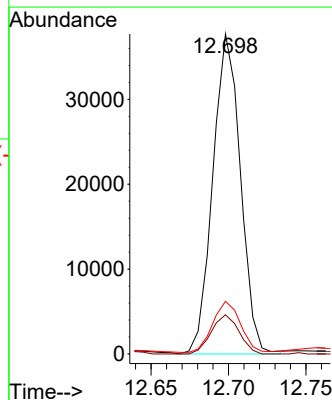
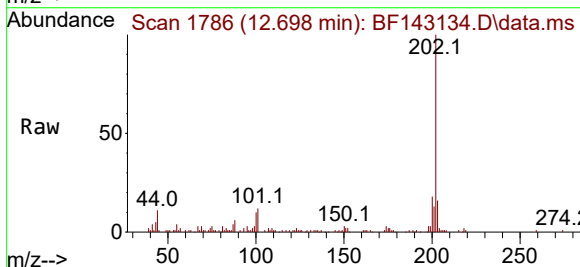
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

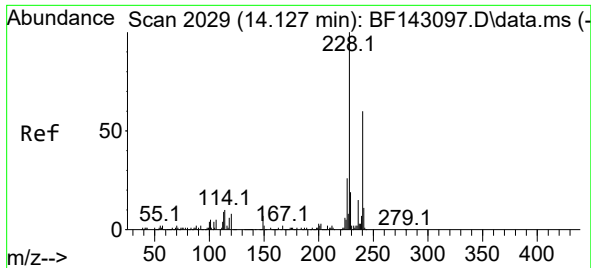
Tgt Ion:198 Resp: 120
Ion Ratio Lower Upper
198 100
51 286.8 44.6 84.6#
105 343.4 29.3 69.3#



#75
Fluoranthene
Concen: 2.855 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion:202 Resp: 46789
Ion Ratio Lower Upper
202 100
101 12.3 0.0 32.4
203 16.4 0.0 37.4

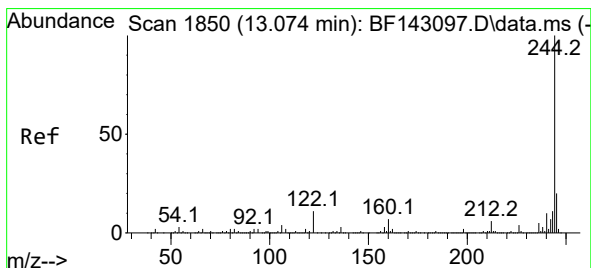
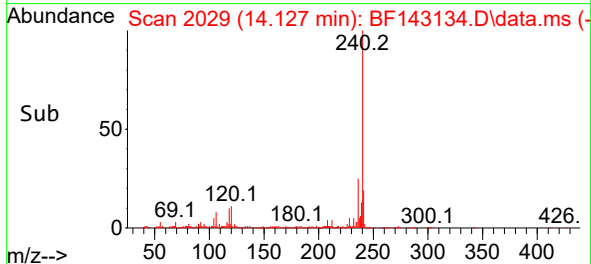
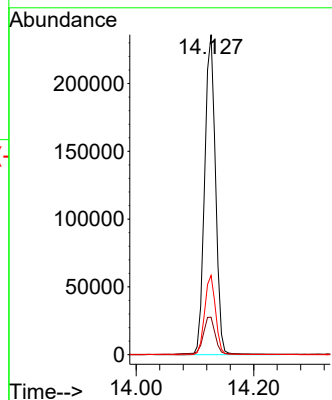
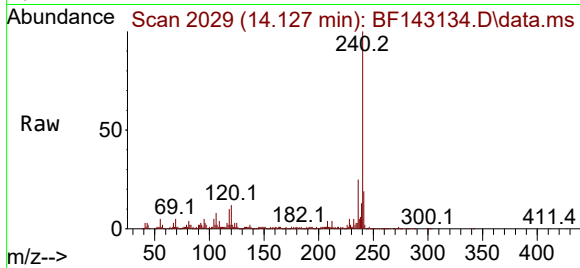




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

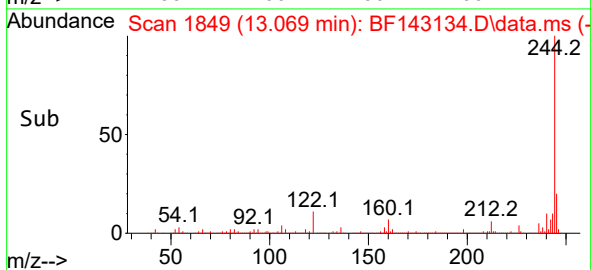
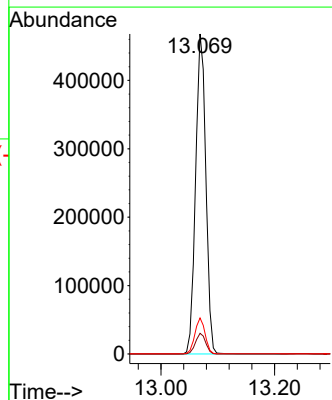
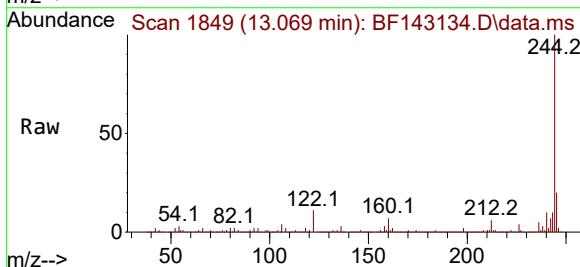
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

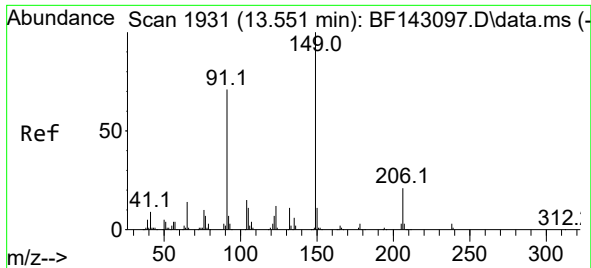
Tgt Ion:240 Resp: 302047
Ion Ratio Lower Upper
240 100
120 11.7 10.0 15.0
236 24.7 20.0 30.0



#79
Terphenyl-d14
Concen: 28.492 ng
RT: 13.069 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion:244 Resp: 588719
Ion Ratio Lower Upper
244 100
212 6.5 5.2 7.8
122 11.3 8.8 13.2

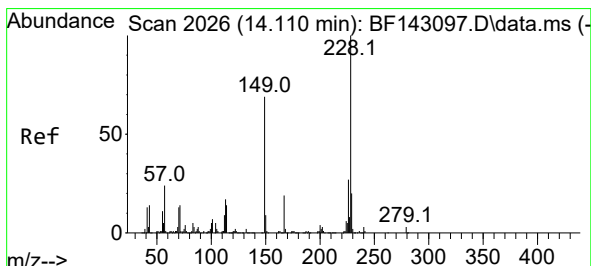
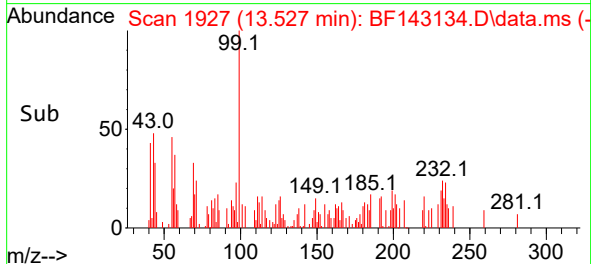
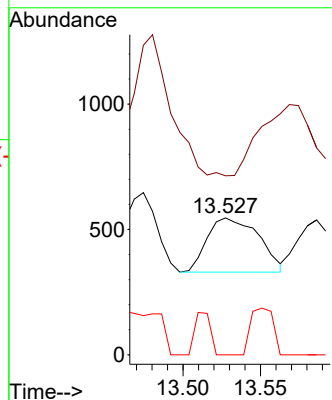
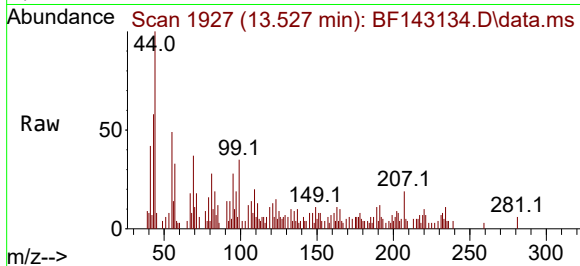




#80
 Butylbenzylphthalate
 Concen: 3.494 ng
 RT: 13.527 min Scan# 1931
 Delta R.T. -0.024 min
 Lab File: BF143134.D
 Acq: 17 Jul 2025 04:02

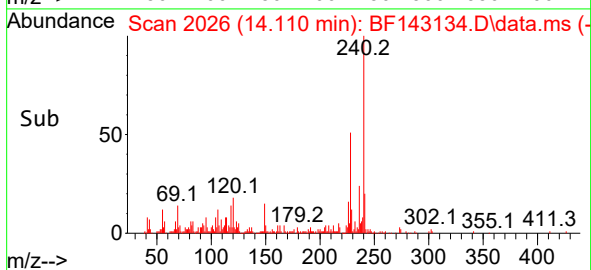
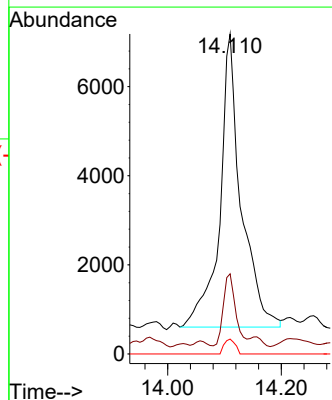
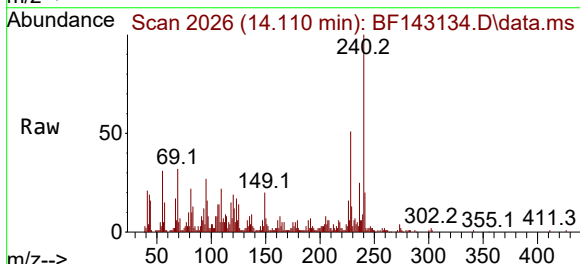
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-Denali-070925

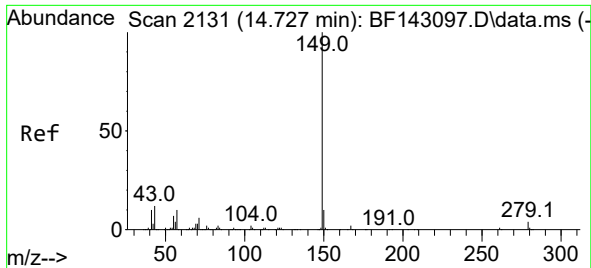
Tgt Ion:149 Resp: 499
 Ion Ratio Lower Upper
 149 100
 91 130.8 57.0 85.4#
 206 0.0 17.2 25.8#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.289 ng
 RT: 14.110 min Scan# 2026
 Delta R.T. -0.000 min
 Lab File: BF143134.D
 Acq: 17 Jul 2025 04:02

Tgt Ion:149 Resp: 17165
 Ion Ratio Lower Upper
 149 100
 167 25.0 21.9 32.9
 279 4.6 3.4 5.0

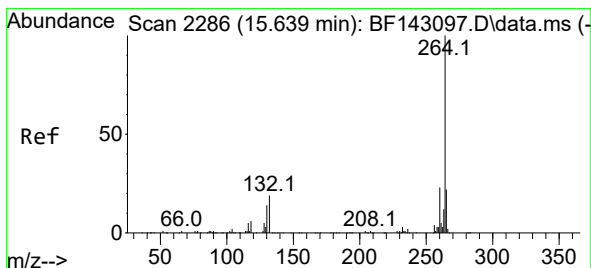
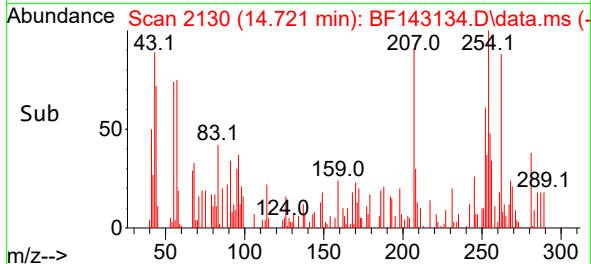
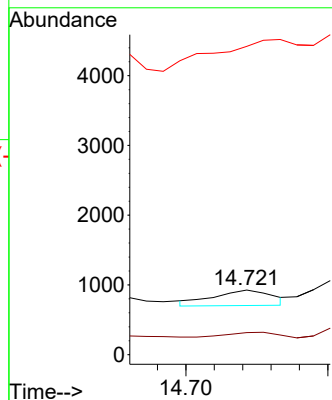
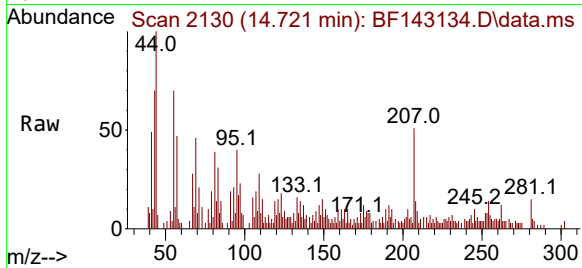




#85
Di-n-octyl phthalate
Concen: 6.708 ng
RT: 14.721 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

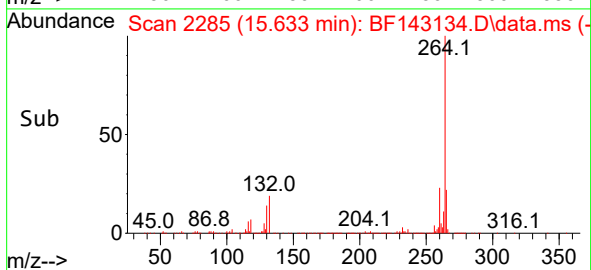
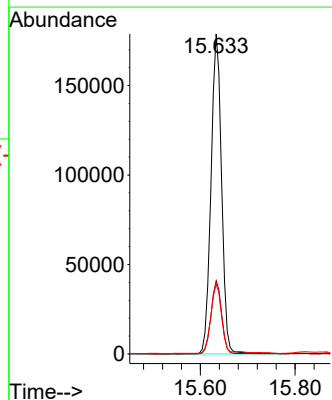
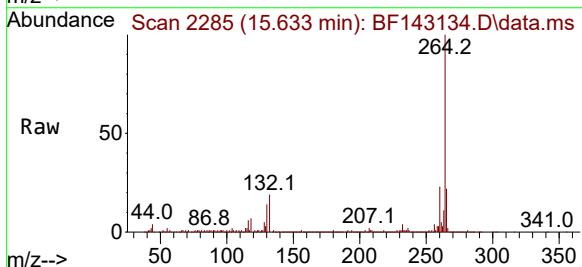
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

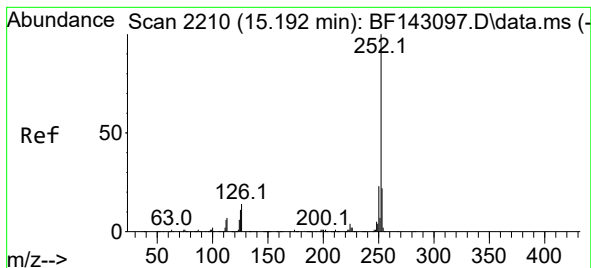
Tgt Ion:149 Resp: 319
Ion Ratio Lower Upper
149 100
167 30.4 1.2 1.8#
43 327.9 10.6 16.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion:264 Resp: 277642
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.9 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 3.696 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Denali-070925

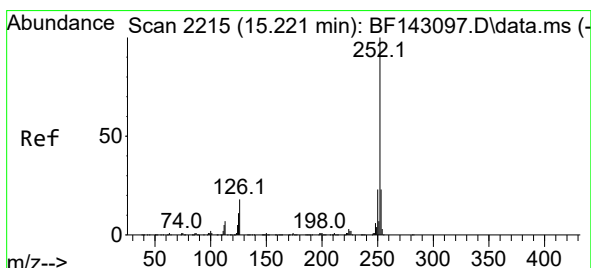
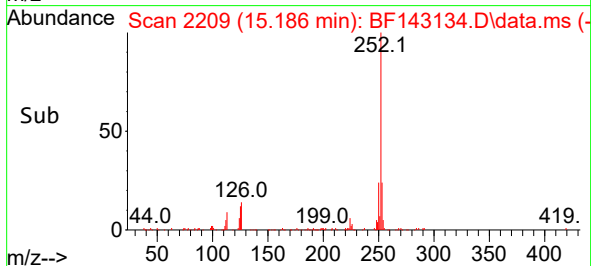
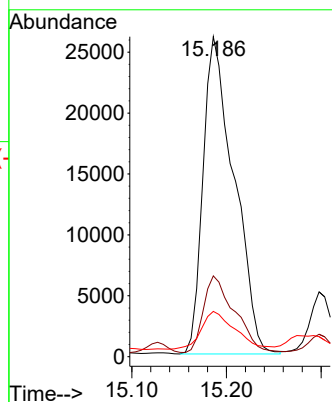
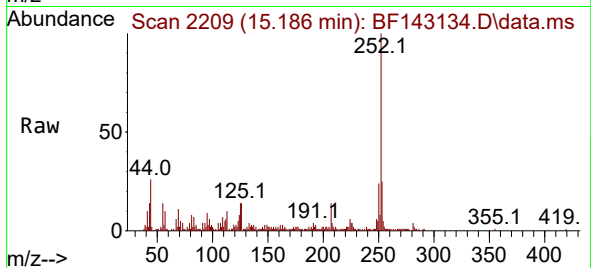
Tgt Ion:252 Resp: 59188

Ion Ratio Lower Upper

252 100

253 25.3 17.5 26.3

125 14.1 8.6 13.0#



#89

Benzo(k)fluoranthene

Concen: 3.874 ng

RT: 15.186 min Scan# 2209

Delta R.T. -0.035 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

Tgt Ion:252 Resp: 59188

Ion Ratio Lower Upper

252 100

253 25.3 17.4 26.2

125 14.1 8.5 12.7#

