

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080125\
 Data File : BF143285.D
 Acq On : 01 Aug 2025 16:32
 Operator : RC/JU
 Sample : Q2728-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7211931-VNJ240

Quant Time: Aug 01 16:53:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

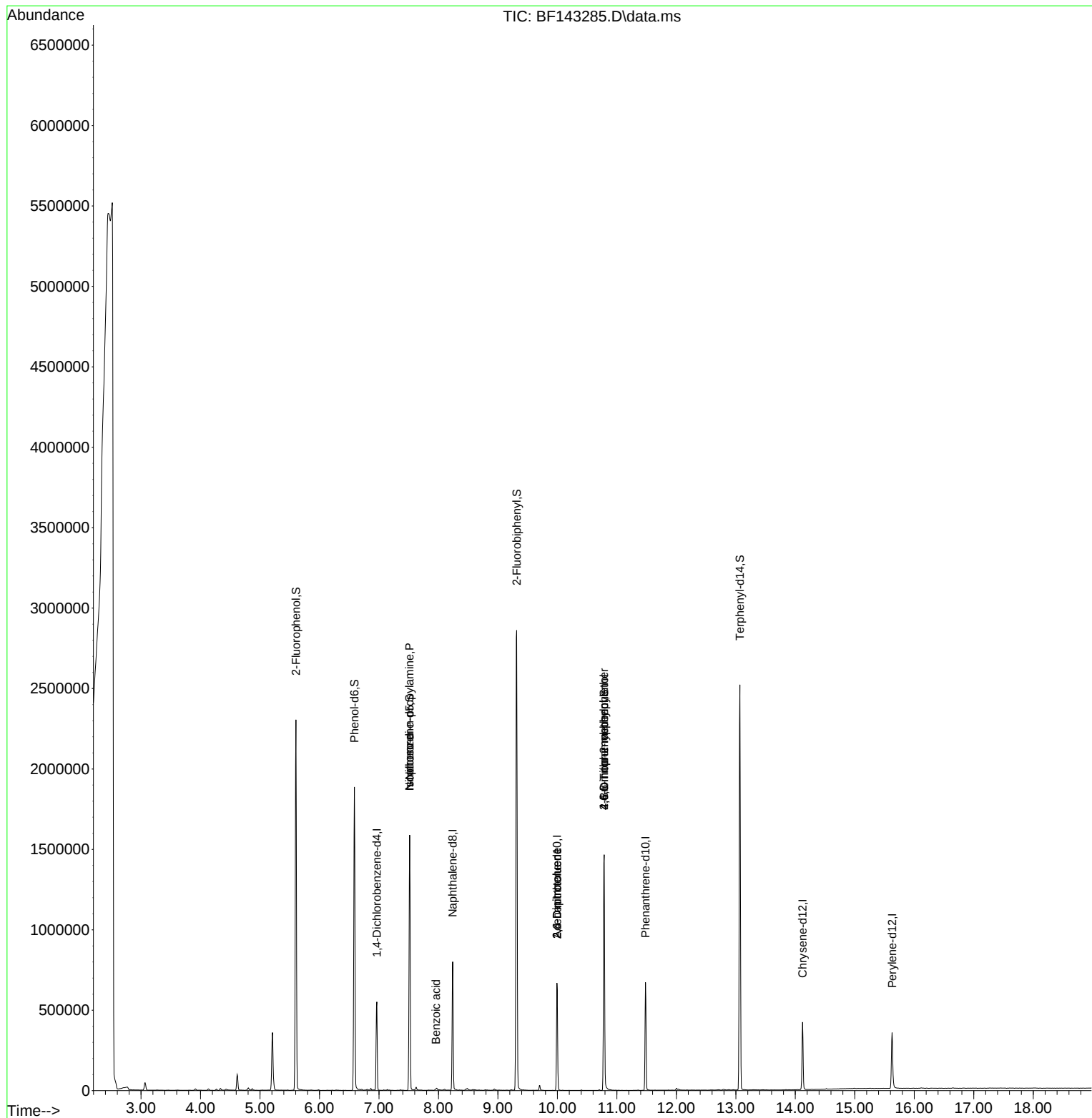
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	114862	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	488603	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	201817	20.000	ng	0.00
64) Phenanthrene-d10	11.481	188	339717	20.000	ng	0.00
76) Chrysene-d12	14.122	240	209068	20.000	ng	0.00
86) Perylene-d12	15.627	264	218191	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	871173	120.022	ng	0.02
7) Phenol-d6	6.587	99	904476	99.001	ng	0.00
23) Nitrobenzene-d5	7.516	82	705588	71.984	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	278535	133.597	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1365335	92.523	ng	0.00
79) Terphenyl-d14	13.069	244	1251587	89.086	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	94808	16.175	ng	# 78
25) Isophorone	7.516	82	699361	40.417	ng	# 66
32) Benzoic acid	7.957	122	2976	5.761	ng	98
51) 2,6-Dinitrotoluene	9.992	165	25585	9.561	ng	# 22
57) 2,4-Dinitrotoluene	9.992	165	25585	7.620	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	468	5.646	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	17329	4.280	ng	# 1

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

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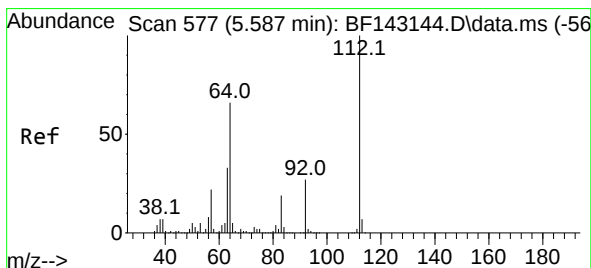
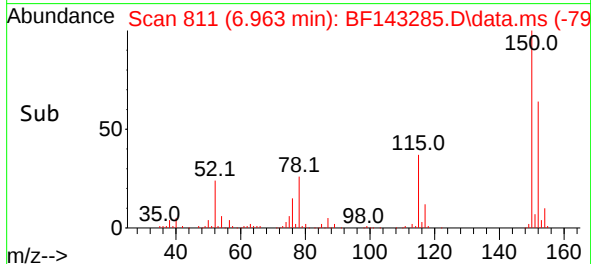
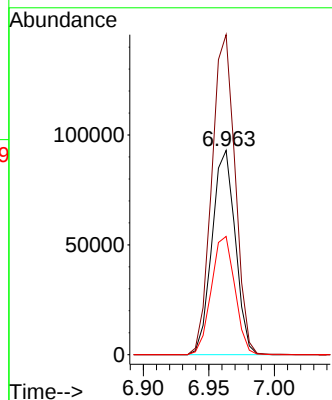
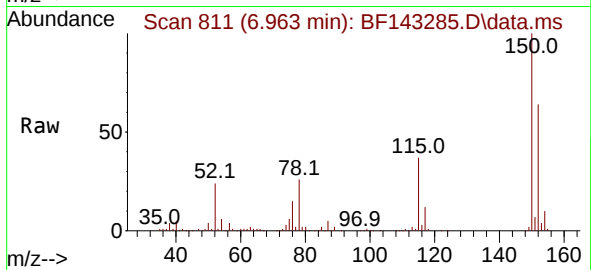




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143285.D
Acq: 01 Aug 2025 16:32

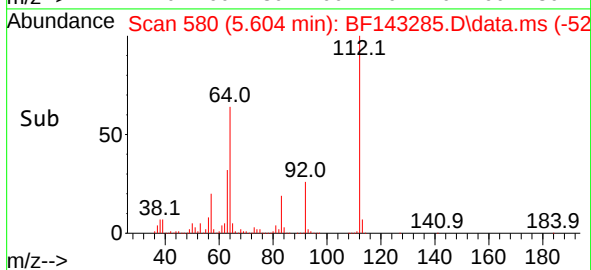
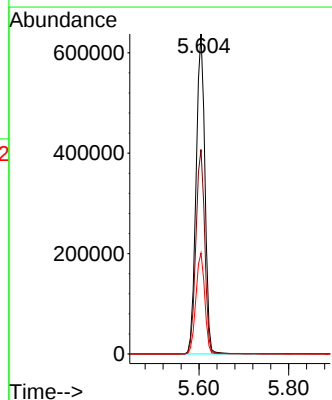
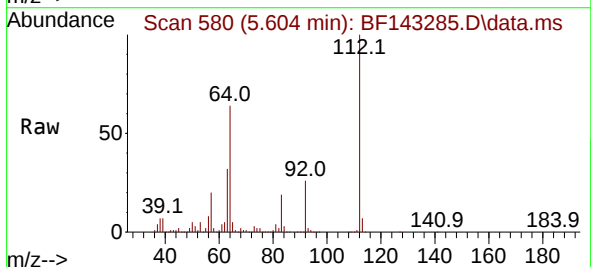
Instrument :
BNA_F
ClientSampleId :
7211931-VNJ240

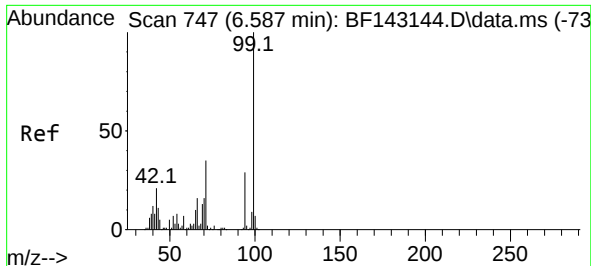
Tgt Ion:152 Resp: 114862
Ion Ratio Lower Upper
152 100
150 156.7 128.2 192.4
115 57.9 47.9 71.9



#5
2-Fluorophenol
Concen: 120.022 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143285.D
Acq: 01 Aug 2025 16:32

Tgt Ion:112 Resp: 871173
Ion Ratio Lower Upper
112 100
64 63.9 53.1 79.7
63 31.6 26.6 40.0

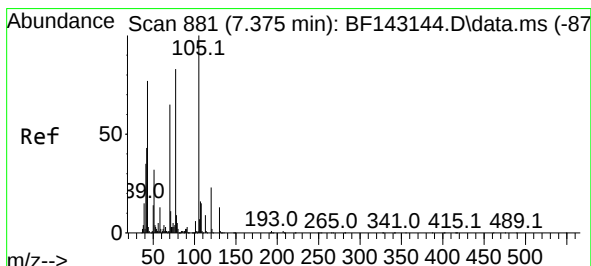
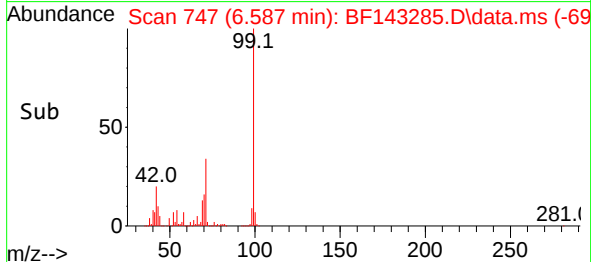
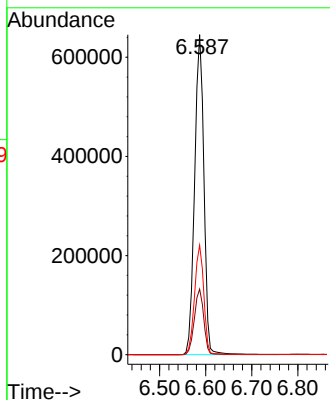
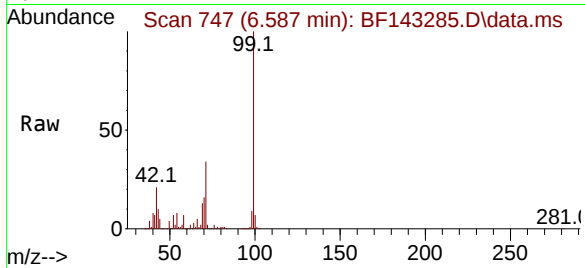




#7
Phenol-d6
Concen: 99.001 ng
RT: 6.587 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF143285.D
Acq: 01 Aug 2025 16:32

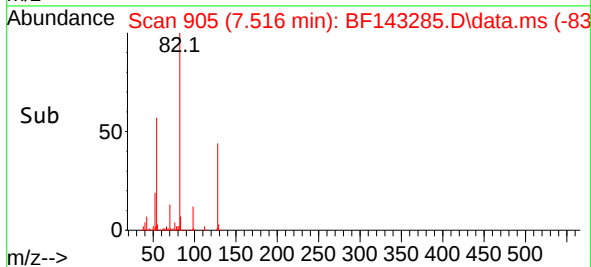
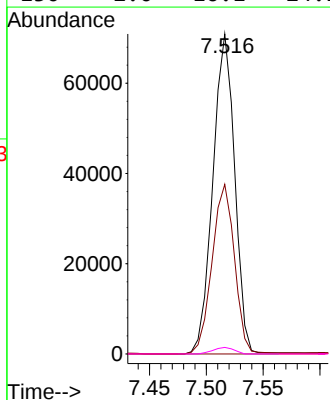
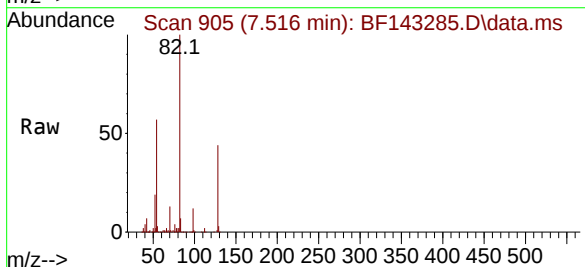
Instrument :
BNA_F
ClientSampleId :
7211931-VNJ240

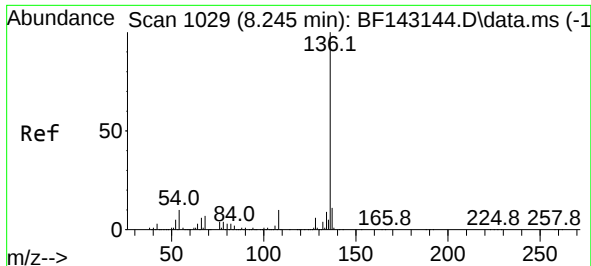
Tgt Ion: 99 Resp: 904476
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.6
71 34.2 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 16.175 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143285.D
Acq: 01 Aug 2025 16:32

Tgt Ion: 70 Resp: 94808
Ion Ratio Lower Upper
70 100
42 53.0 52.5 78.7
101 0.0 7.6 11.4#
130 2.0 16.1 24.1#

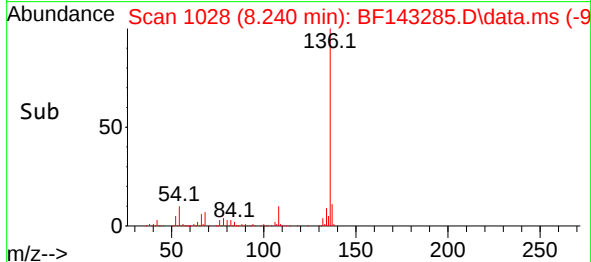
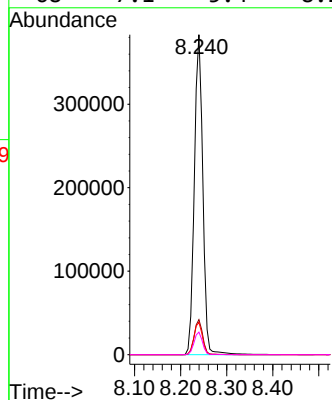
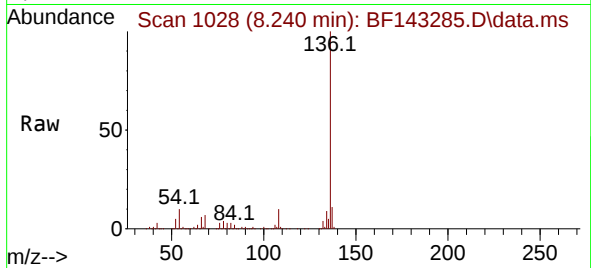




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF143285.D
Acq: 01 Aug 2025 16:32

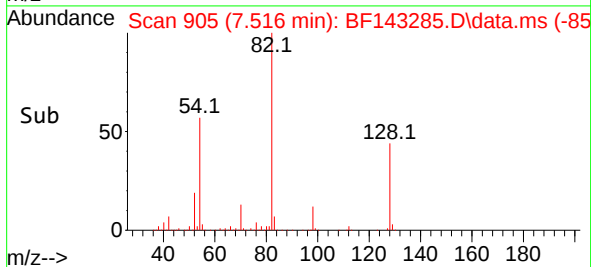
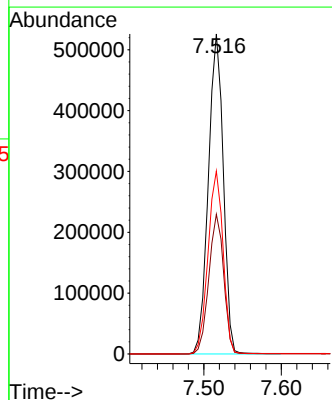
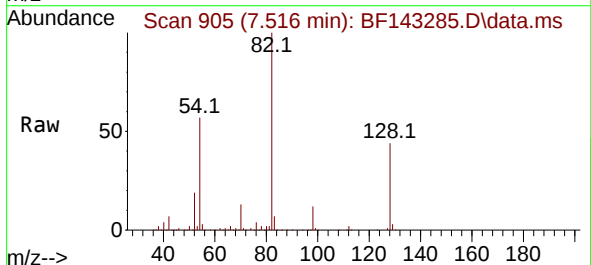
Instrument :
BNA_F
ClientSampleId :
7211931-VNJ240

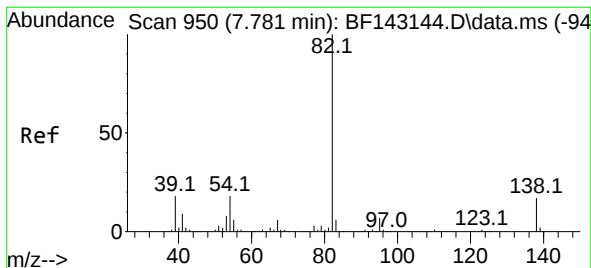
Tgt Ion:	136	Resp:	488603
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.1	8.2	12.2
68	7.1	5.4	8.2



#23
Nitrobenzene-d5
Concen: 71.984 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143285.D
Acq: 01 Aug 2025 16:32

Tgt Ion:	82	Resp:	705588
Ion	Ratio	Lower	Upper
82	100		
128	43.6	33.6	50.4
54	57.1	47.1	70.7





#25

Isophorone

Concen: 40.417 ng

RT: 7.516 min Scan# 90

Delta R.T. -0.265 min

Lab File: BF143285.D

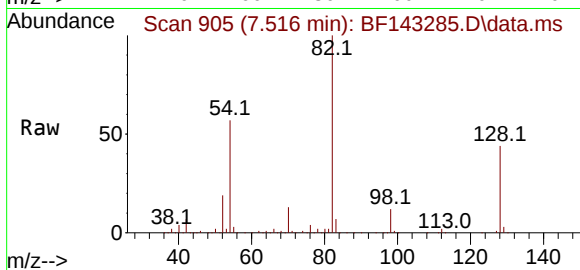
Acq: 01 Aug 2025 16:32

Instrument :

BNA_F

ClientSampleId :

7211931-VNJ240



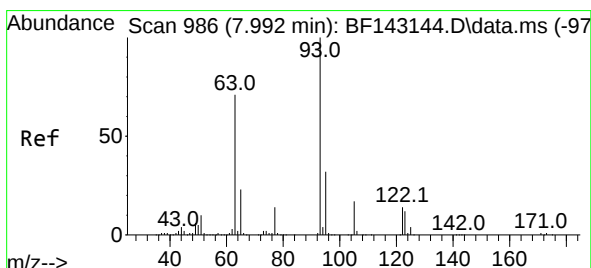
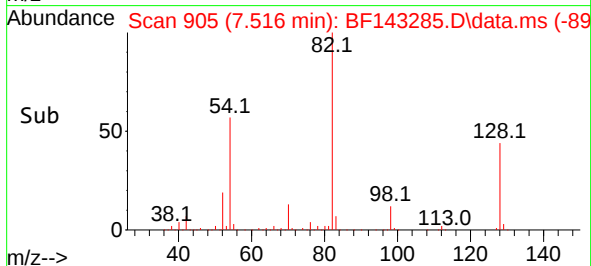
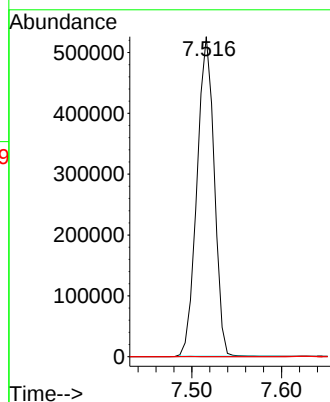
Tgt Ion: 82 Resp: 699361

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.8 20.8#



#32

Benzoic acid

Concen: 5.761 ng

RT: 7.957 min Scan# 980

Delta R.T. -0.035 min

Lab File: BF143285.D

Acq: 01 Aug 2025 16:32

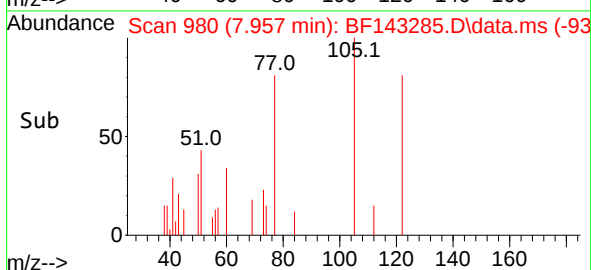
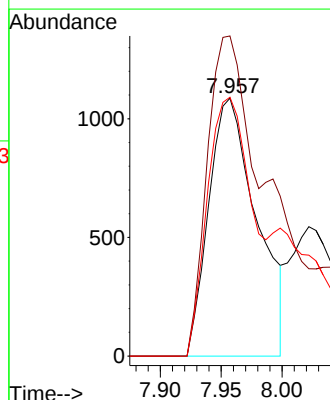
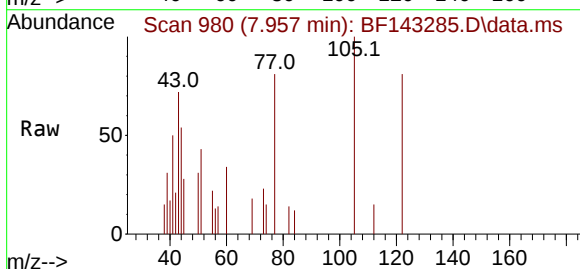
Tgt Ion:122 Resp: 2976

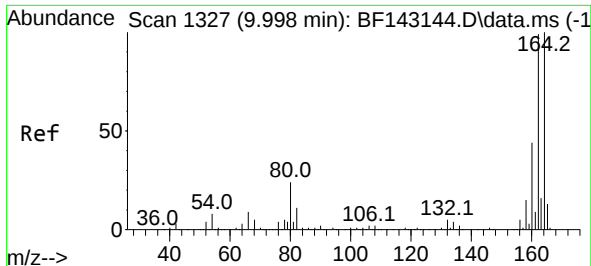
Ion Ratio Lower Upper

122 100

105 124.1 104.8 144.8

77 100.4 77.6 117.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143285.D

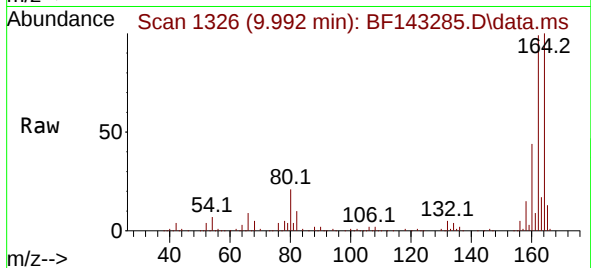
Acq: 01 Aug 2025 16:32

Instrument :

BNA_F

ClientSampleId :

7211931-VNJ240



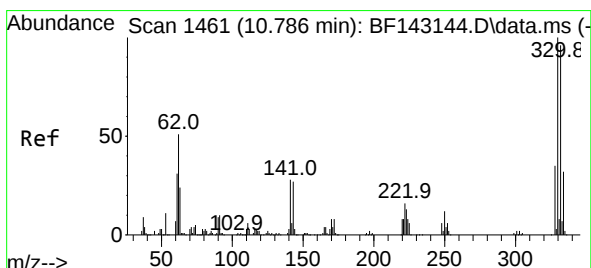
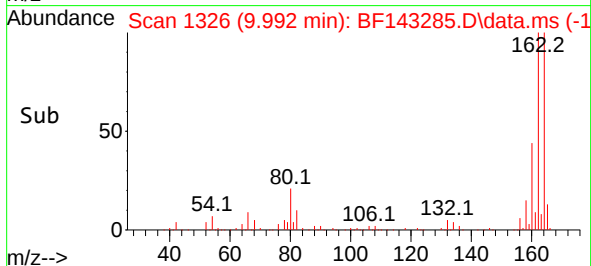
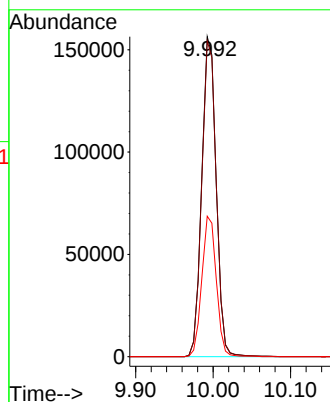
Tgt Ion:164 Resp: 201817

Ion Ratio Lower Upper

164 100

162 98.6 79.0 118.6

160 43.9 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 133.597 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143285.D

Acq: 01 Aug 2025 16:32

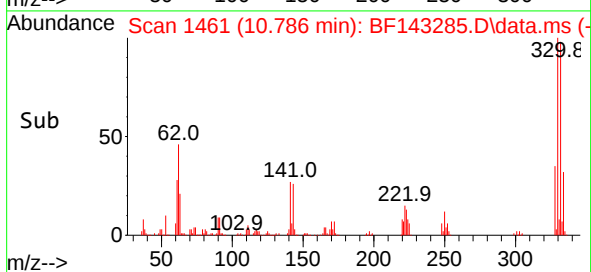
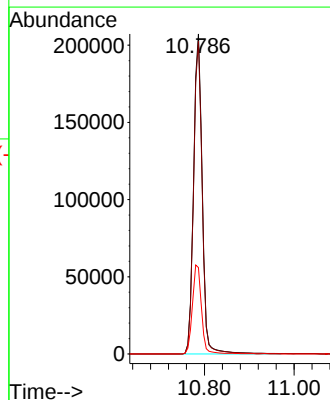
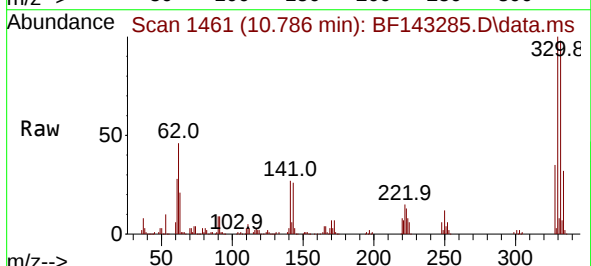
Tgt Ion:330 Resp: 278535

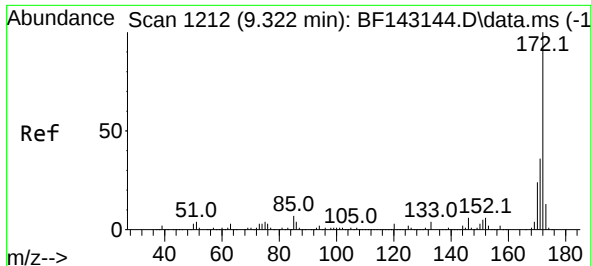
Ion Ratio Lower Upper

330 100

332 97.5 76.7 115.1

141 28.8 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 92.523 ng

RT: 9.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143285.D

Acq: 01 Aug 2025 16:32

Instrument :

BNA_F

ClientSampleId :

7211931-VNJ240

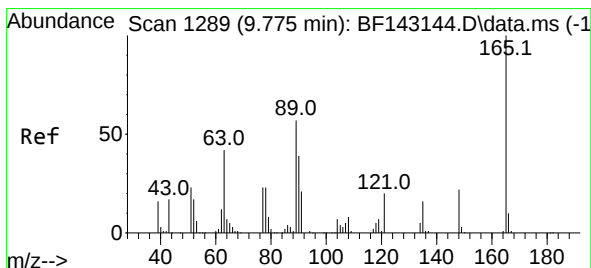
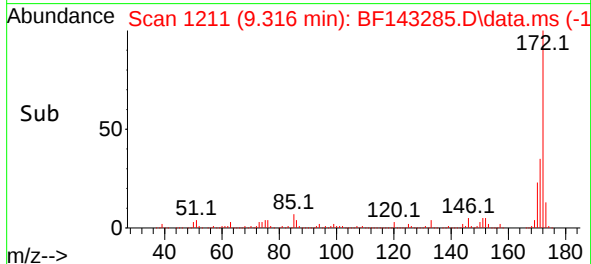
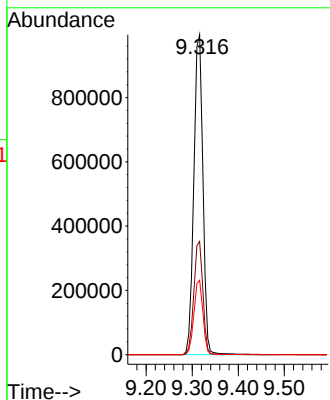
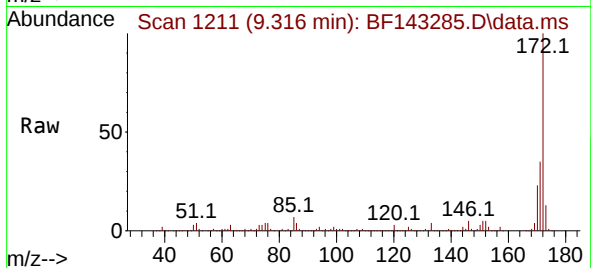
Tgt Ion:172 Resp: 1365335

Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.3 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.561 ng

RT: 9.992 min Scan# 1326

Delta R.T. 0.218 min

Lab File: BF143285.D

Acq: 01 Aug 2025 16:32

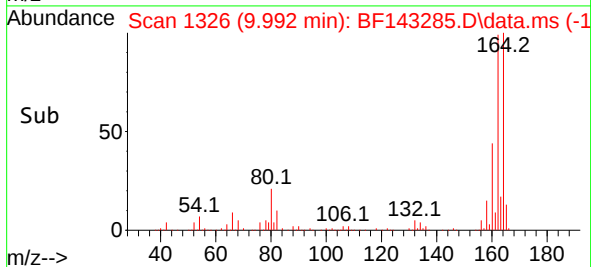
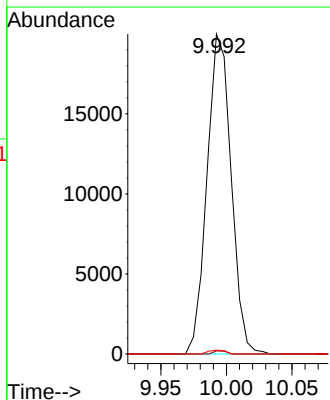
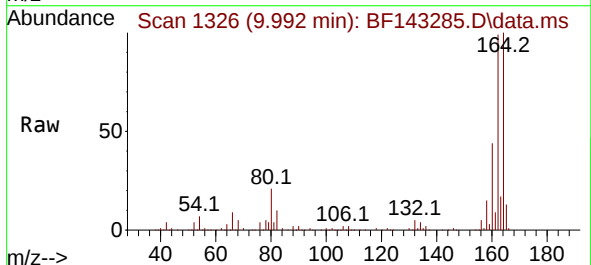
Tgt Ion:165 Resp: 25585

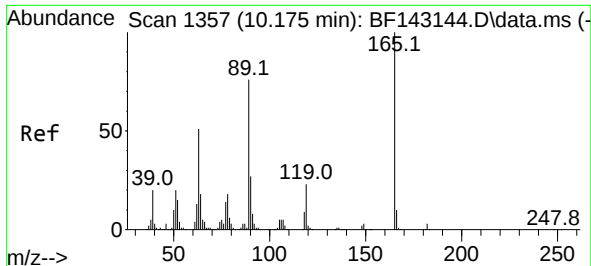
Ion Ratio Lower Upper

165 100

63 0.9 49.4 74.2#

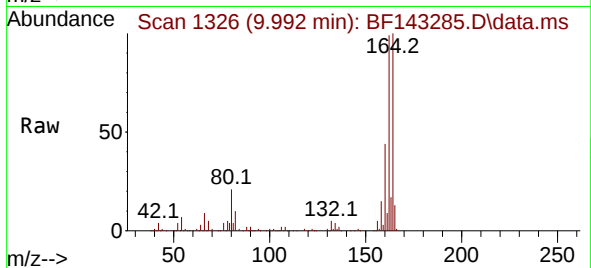
89 1.2 46.2 69.2#



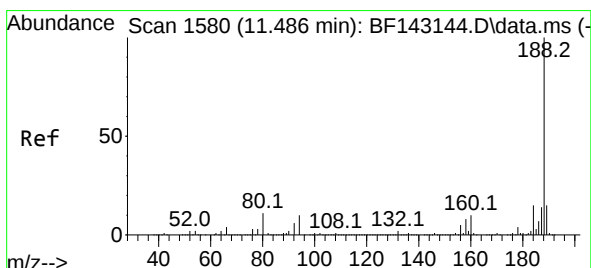
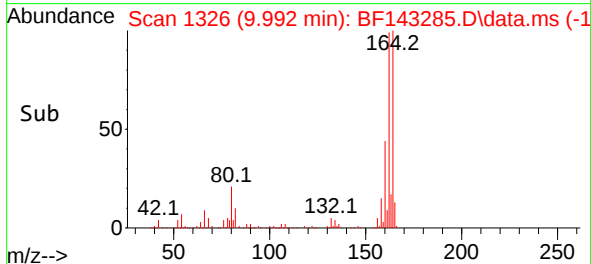
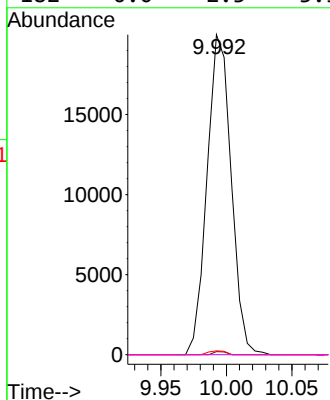


#57
2,4-Dinitrotoluene
Concen: 7.620 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143285.D
Acq: 01 Aug 2025 16:32

Instrument :
BNA_F
ClientSampleId :
7211931-VNJ240

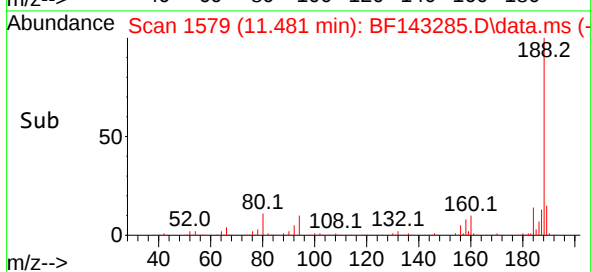
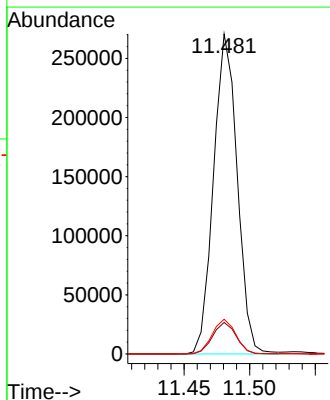
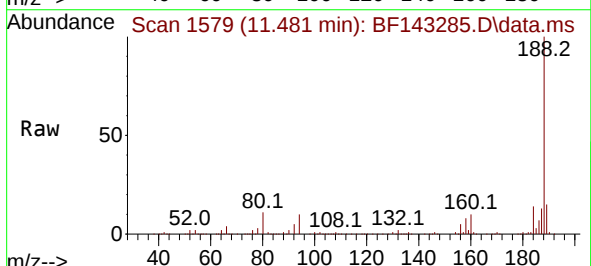


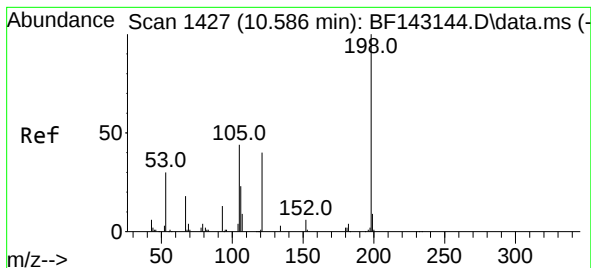
Tgt Ion:	165	Resp:	25585
Ion Ratio	Lower	Upper	
165	100		
63	0.9	41.0	61.4#
89	1.2	61.1	91.7#
182	0.0	2.3	3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.481 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143285.D
Acq: 01 Aug 2025 16:32

Tgt Ion:	188	Resp:	339717
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.3	12.5
80	10.8	9.0	13.6

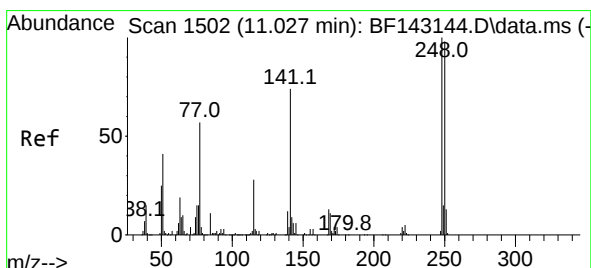
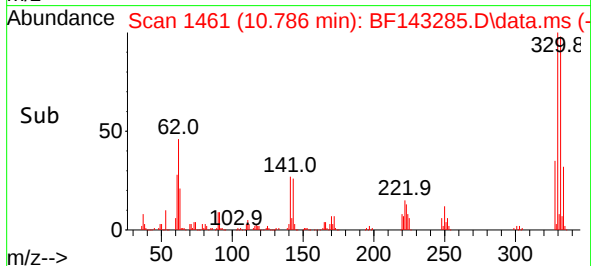
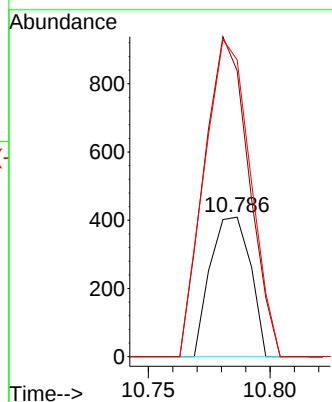
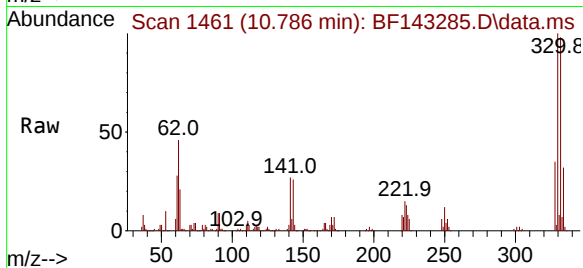




#65
4,6-Dinitro-2-methylphenol
Concen: 5.646 ng
RT: 10.786 min Scan# 1427
Delta R.T. 0.200 min
Lab File: BF143285.D
Acq: 01 Aug 2025 16:32

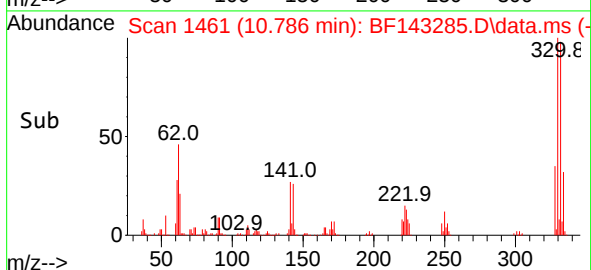
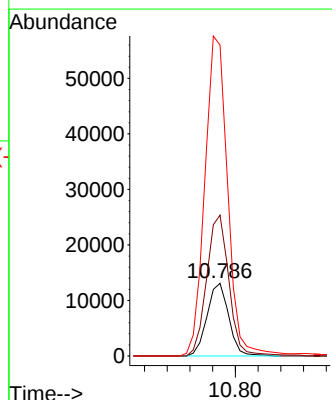
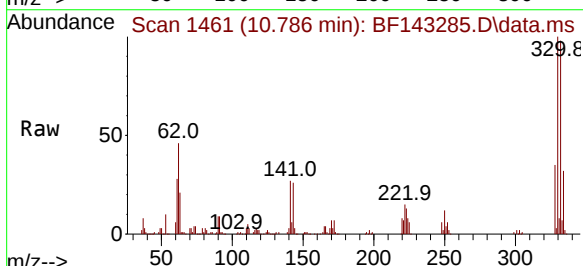
Instrument :
BNA_F
ClientSampleId :
7211931-VNJ240

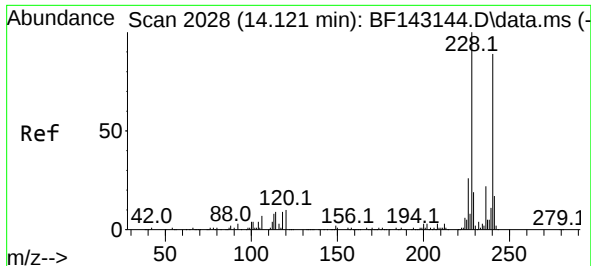
Tgt Ion:198 Resp: 468
Ion Ratio Lower Upper
198 100
51 204.9 37.2 77.2#
105 212.7 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 4.280 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF143285.D
Acq: 01 Aug 2025 16:32

Tgt Ion:248 Resp: 17329
Ion Ratio Lower Upper
248 100
250 193.8 78.3 117.5#
141 427.7 59.2 88.8#

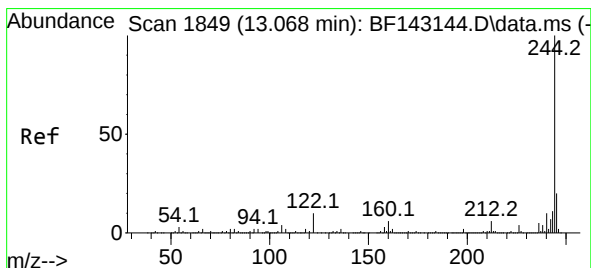
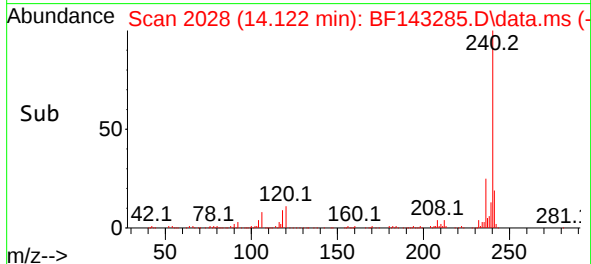
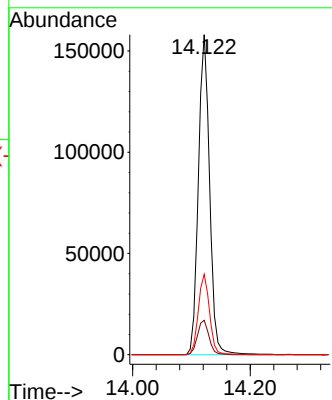
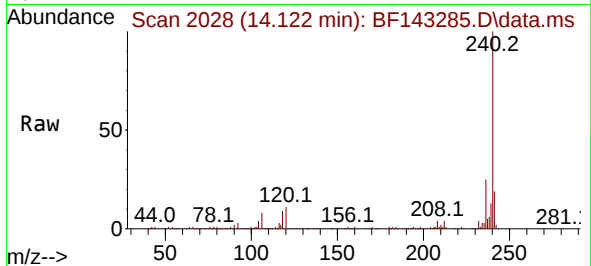




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.122 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143285.D
Acq: 01 Aug 2025 16:32

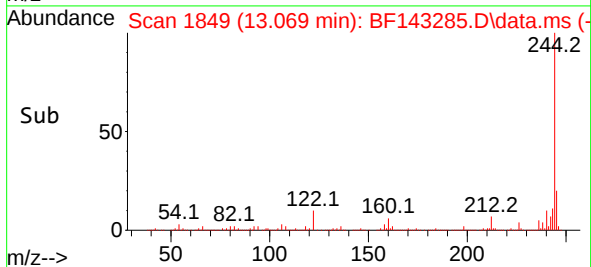
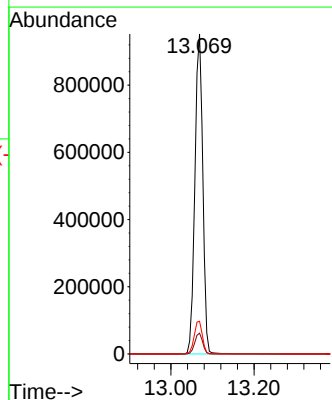
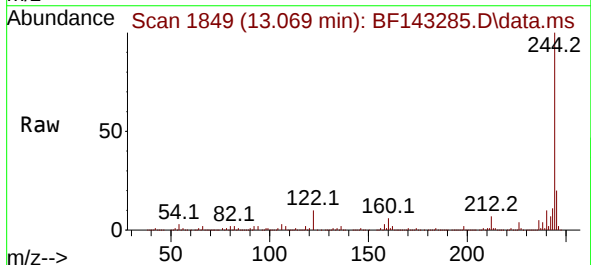
Instrument :
BNA_F
ClientSampleId :
7211931-VNJ240

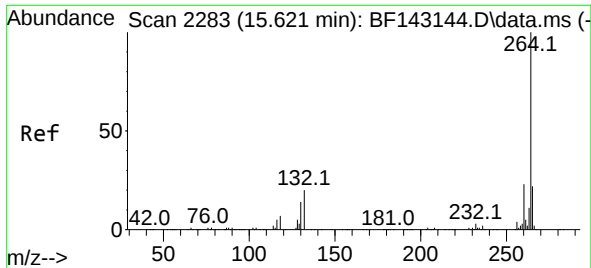
Tgt Ion:240 Resp: 209068
Ion Ratio Lower Upper
240 100
120 10.8 9.4 14.2
236 25.1 20.2 30.4



#79
Terphenyl-d14
Concen: 89.086 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143285.D
Acq: 01 Aug 2025 16:32

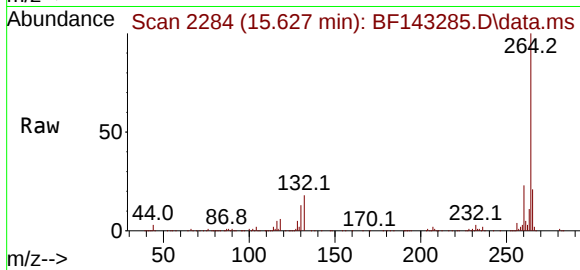
Tgt Ion:244 Resp: 1251587
Ion Ratio Lower Upper
244 100
212 6.5 5.2 7.8
122 10.2 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.627 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF143285.D
 Acq: 01 Aug 2025 16:32

Instrument :
 BNA_F
 ClientSampleId :
 7211931-VNJ240



Tgt Ion:264 Resp: 218191
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.5 27.7
 265 20.6 17.4 26.2

