

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143341.D
 Acq On : 06 Aug 2025 20:35
 Operator : RC/JU
 Sample : Q2774-01 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-237

Quant Time: Aug 07 01:02:01 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)

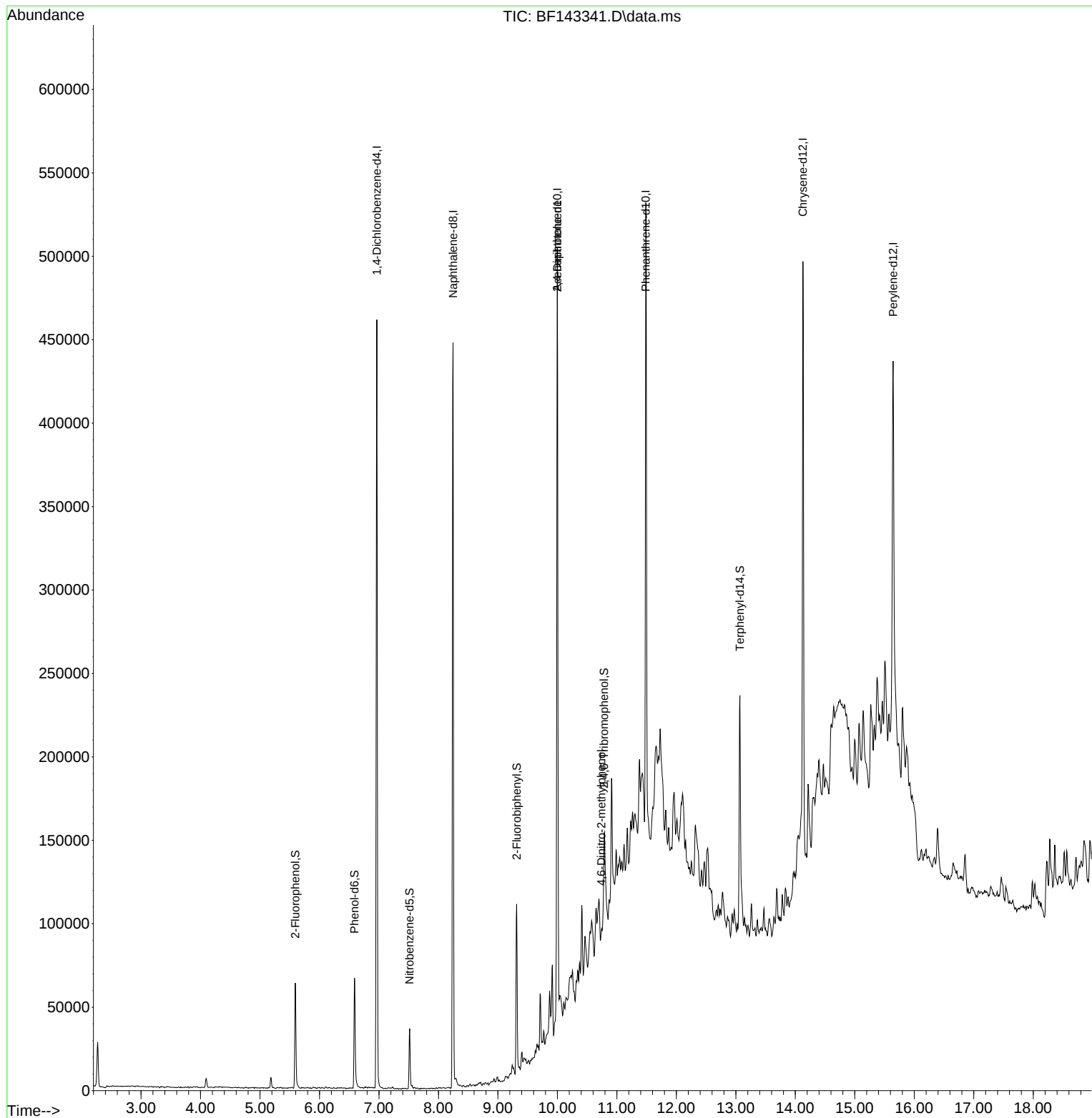
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	96628	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	287306	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	137354	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	197231	20.000	ng	0.00
76) Chrysene-d12	14.127	240	170854	20.000	ng	0.00
86) Perylene-d12	15.645	264	130218	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	24872	4.073	ng	0.00
7) Phenol-d6	6.587	99	34334	4.467	ng	0.00
23) Nitrobenzene-d5	7.516	82	16788	2.913	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	7938	5.594	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	48290	4.808	ng	0.00
79) Terphenyl-d14	13.068	244	57330	4.993	ng	0.00
Target Compounds						
					Qvalue	
57) 2,4-Dinitrotoluene	9.998	165	19454	8.514	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.739	198	54	5.459	ng	# 1

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

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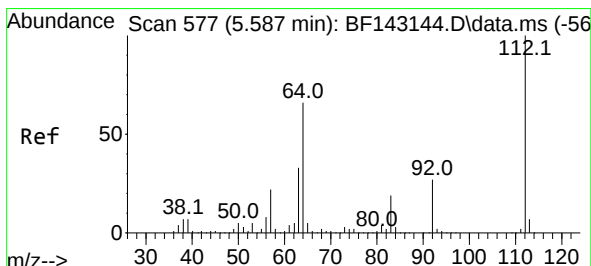
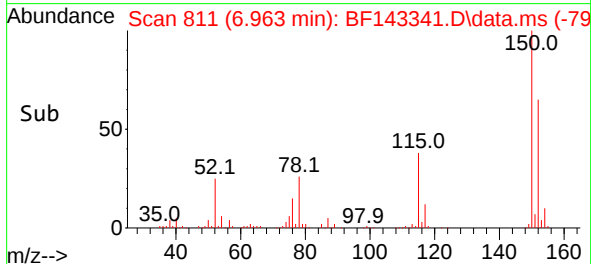
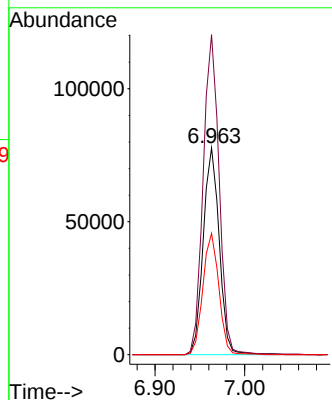
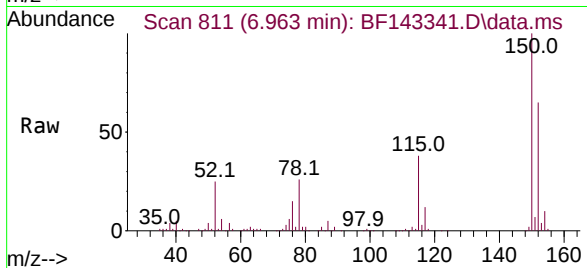




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143341.D
Acq: 06 Aug 2025 20:35

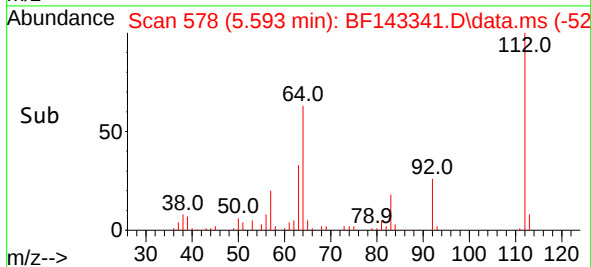
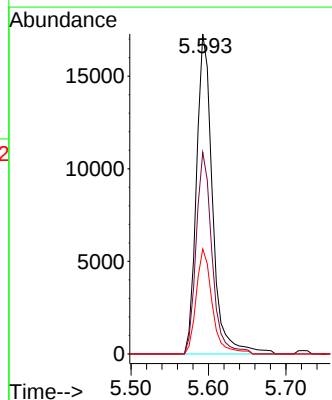
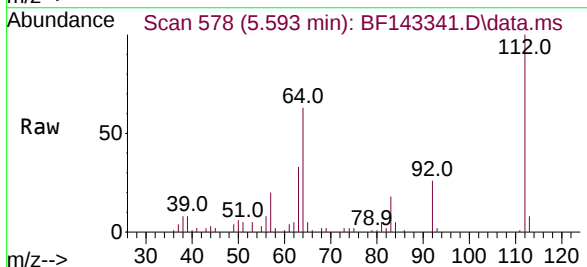
Instrument :
BNA_F
ClientSampleId :
VNJ-237

Tgt Ion:152 Resp: 96628
Ion Ratio Lower Upper
152 100
150 154.7 128.2 192.4
115 58.7 47.9 71.9



#5
2-Fluorophenol
Concen: 4.073 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143341.D
Acq: 06 Aug 2025 20:35

Tgt Ion:112 Resp: 24872
Ion Ratio Lower Upper
112 100
64 63.0 53.1 79.7
63 32.8 26.6 40.0

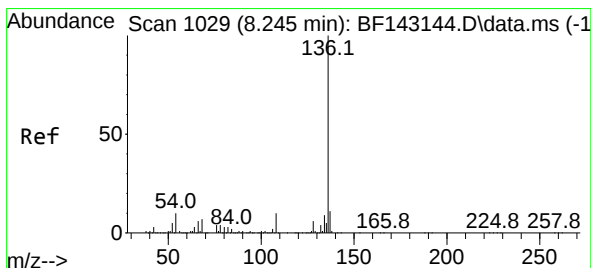
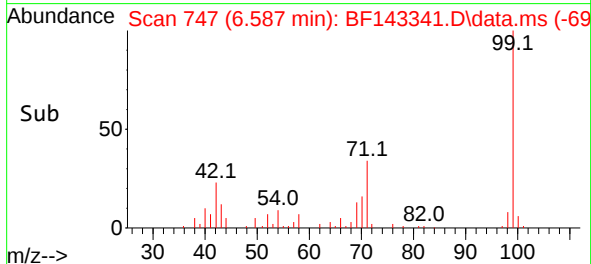
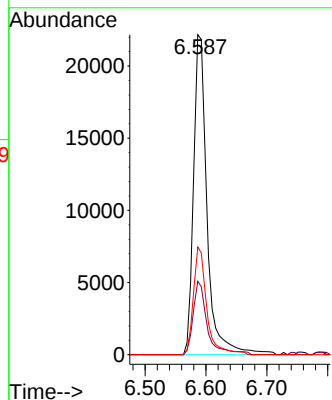
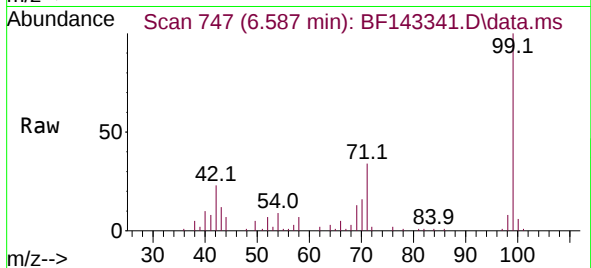




#7
Phenol-d6
Concen: 4.467 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143341.D
Acq: 06 Aug 2025 20:35

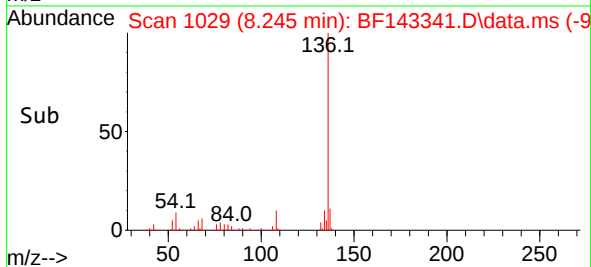
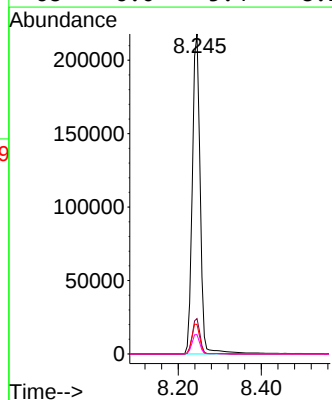
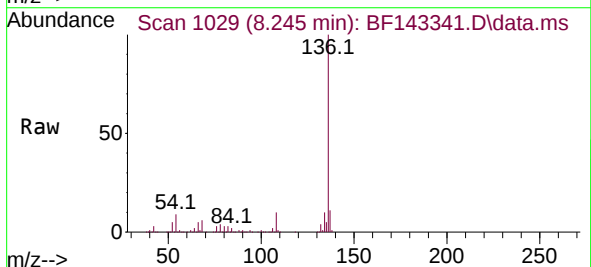
Instrument :
BNA_F
ClientSampleId :
VNJ-237

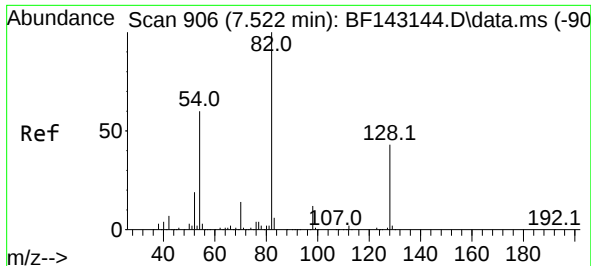
Tgt Ion: 99 Resp: 34334
Ion Ratio Lower Upper
99 100
42 22.9 17.0 25.6
71 33.6 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143341.D
Acq: 06 Aug 2025 20:35

Tgt Ion: 136 Resp: 287306
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.3 8.2 12.2
68 6.0 5.4 8.2

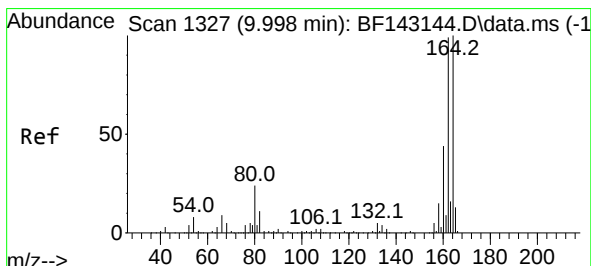
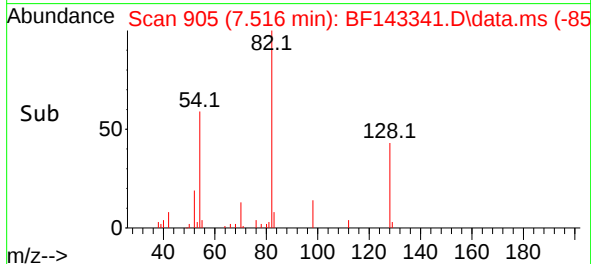
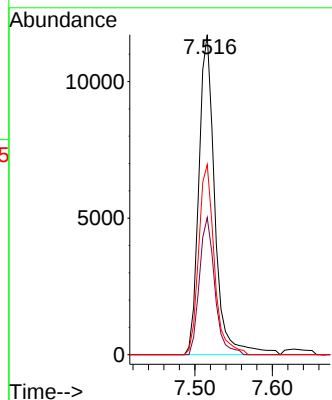
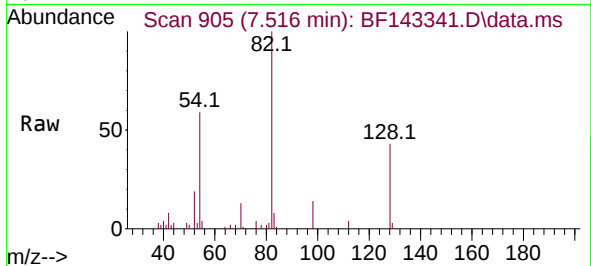




#23
Nitrobenzene-d5
Concen: 2.913 ng
RT: 7.516 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143341.D
Acq: 06 Aug 2025 20:35

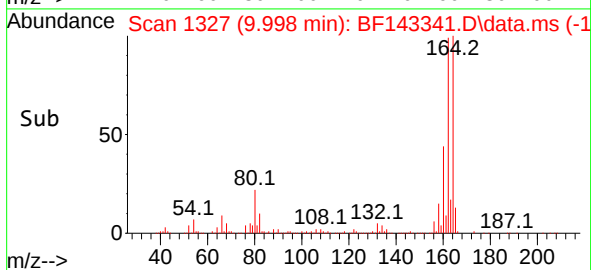
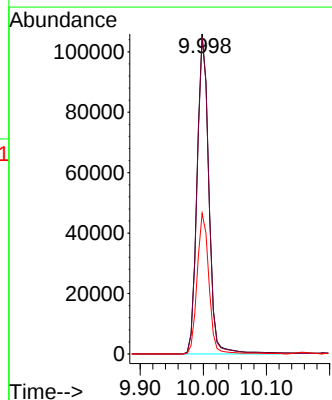
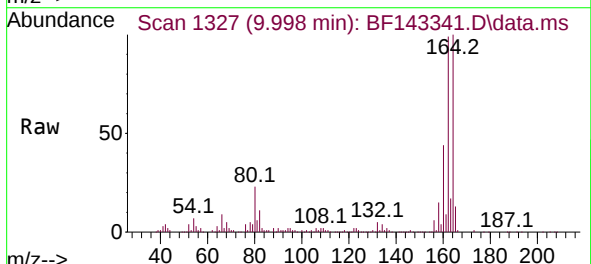
Instrument :
BNA_F
ClientSampleId :
VNJ-237

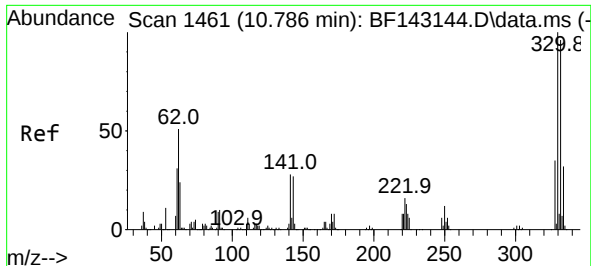
Tgt Ion: 82 Resp: 16788
Ion Ratio Lower Upper
82 100
128 42.8 33.6 50.4
54 59.4 47.1 70.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143341.D
Acq: 06 Aug 2025 20:35

Tgt Ion: 164 Resp: 137354
Ion Ratio Lower Upper
164 100
162 99.0 79.0 118.6
160 44.0 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 5.594 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143341.D

Acq: 06 Aug 2025 20:35

Instrument :

BNA_F

ClientSampleId :

VNJ-237

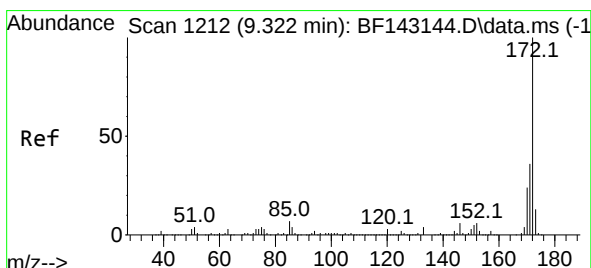
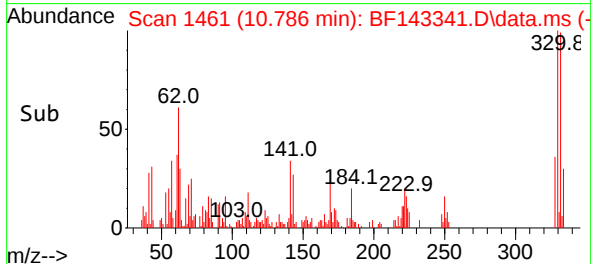
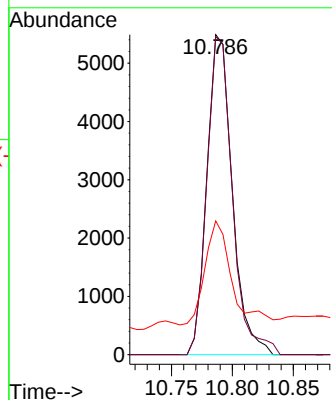
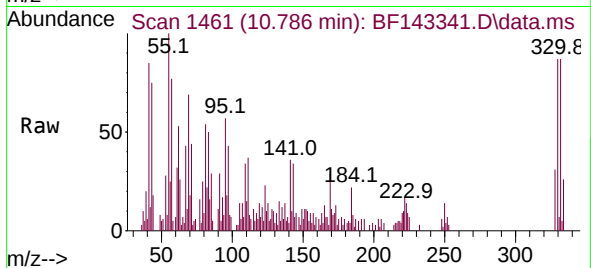
Tgt Ion:330 Resp: 7938

Ion Ratio Lower Upper

330 100

332 99.9 76.7 115.1

141 35.0 23.3 34.9#



#45

2-Fluorobiphenyl

Concen: 4.808 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143341.D

Acq: 06 Aug 2025 20:35

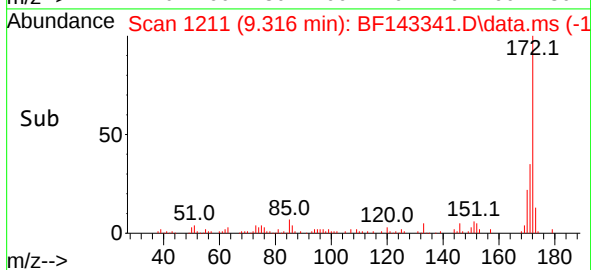
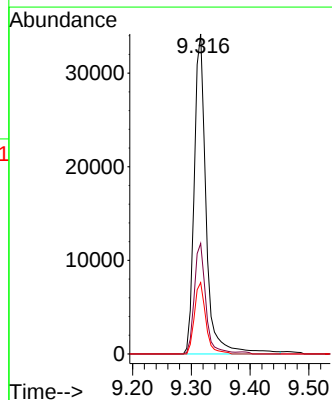
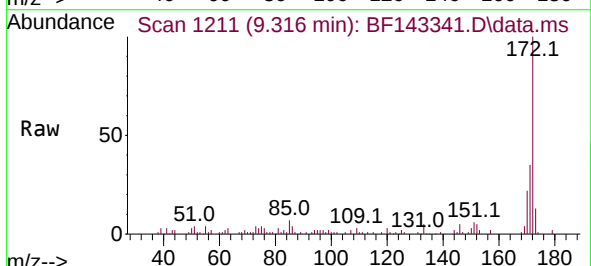
Tgt Ion:172 Resp: 48290

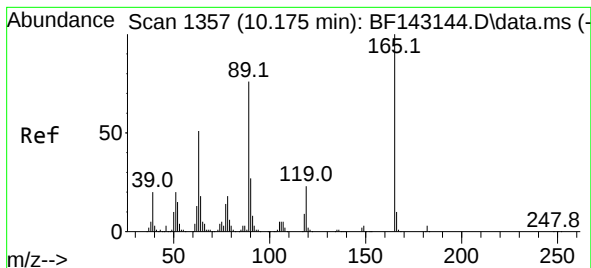
Ion Ratio Lower Upper

172 100

171 34.5 28.6 42.8

170 22.3 18.8 28.2

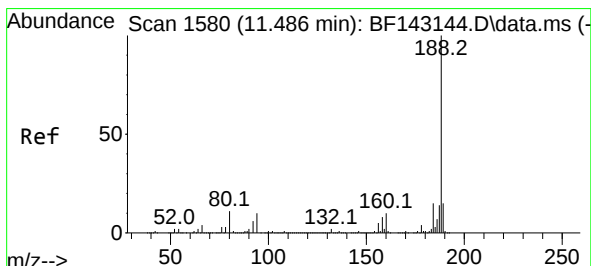
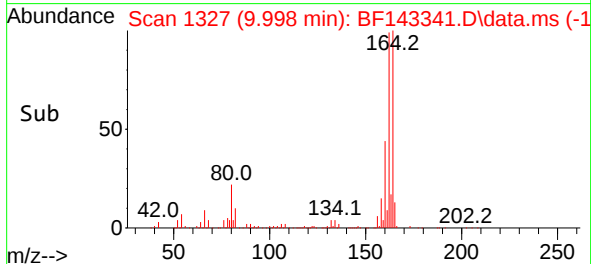
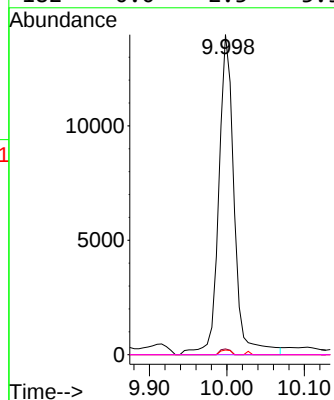
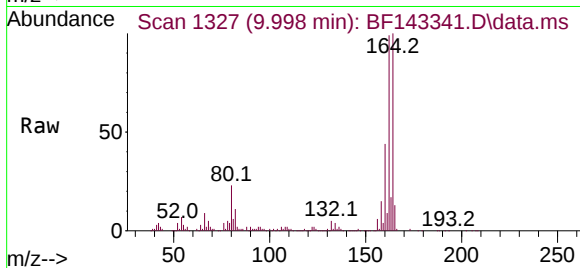




#57
2,4-Dinitrotoluene
Concen: 8.514 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143341.D
Acq: 06 Aug 2025 20:35

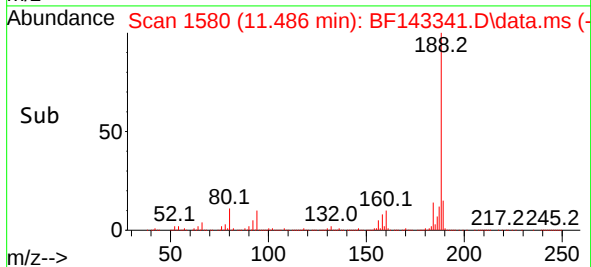
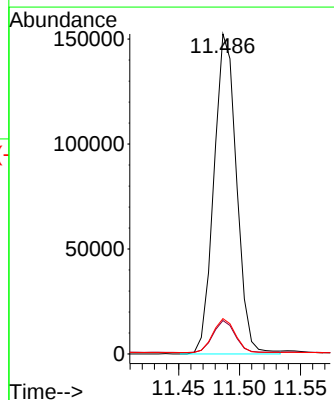
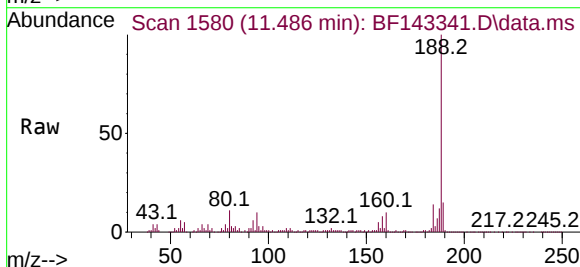
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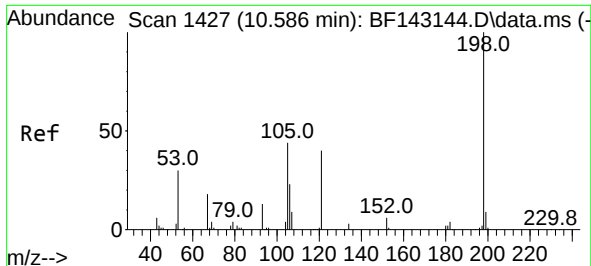
Tgt Ion:	165	Resp:	19454
Ion Ratio	Lower	Upper	
165	100		
63	1.8	41.0	61.4#
89	1.5	61.1	91.7#
182	0.0	2.3	3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143341.D
Acq: 06 Aug 2025 20:35

Tgt Ion:	188	Resp:	197231
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.3	12.5
80	11.0	9.0	13.6

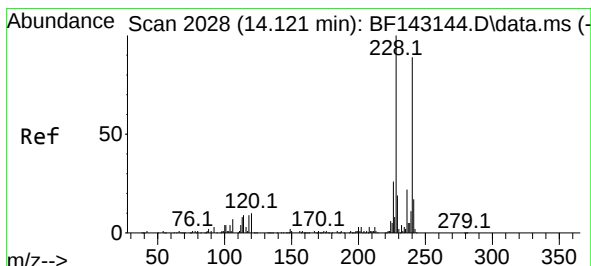
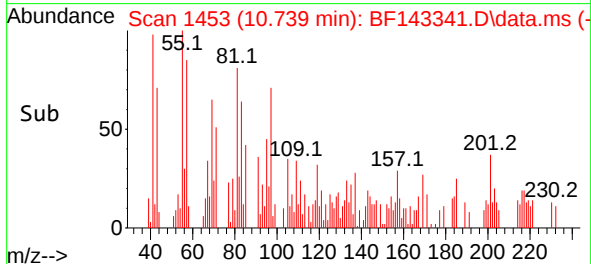
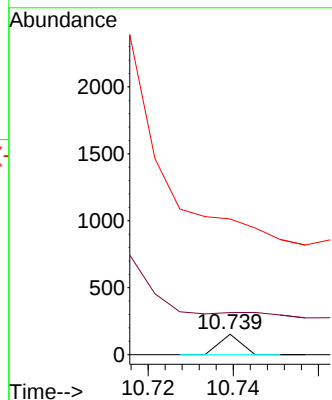
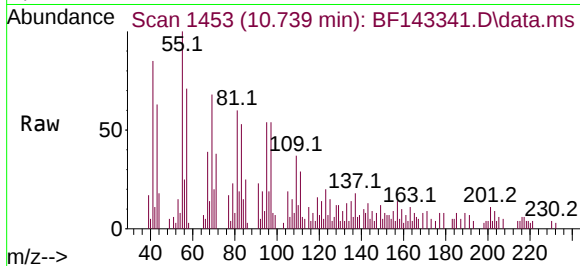




#65
4,6-Dinitro-2-methylphenol
Concen: 5.459 ng
RT: 10.739 min Scan# 14
Delta R.T. 0.153 min
Lab File: BF143341.D
Acq: 06 Aug 2025 20:35

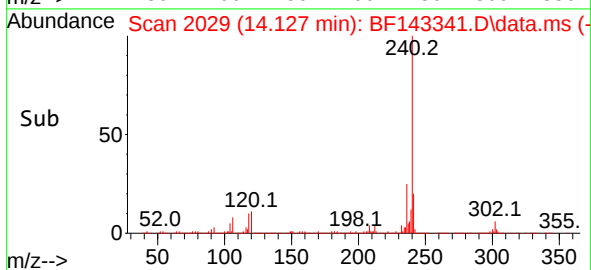
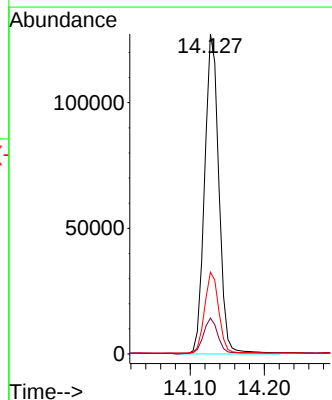
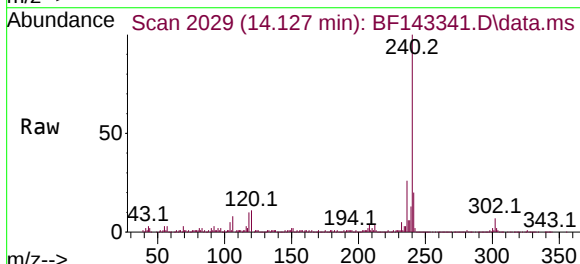
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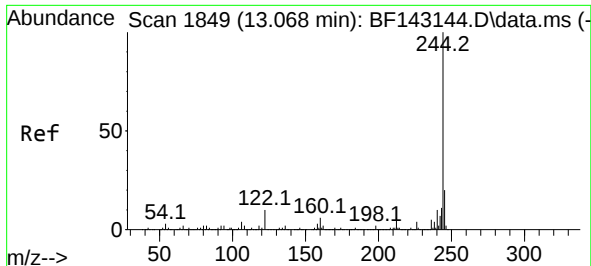
Tgt Ion:198 Resp: 54
Ion Ratio Lower Upper
198 100
51 205.2 37.2 77.2#
105 662.1 24.8 64.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143341.D
Acq: 06 Aug 2025 20:35

Tgt Ion:240 Resp: 170854
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.2
236 25.6 20.2 30.4

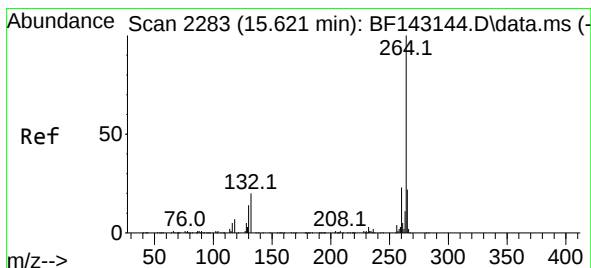
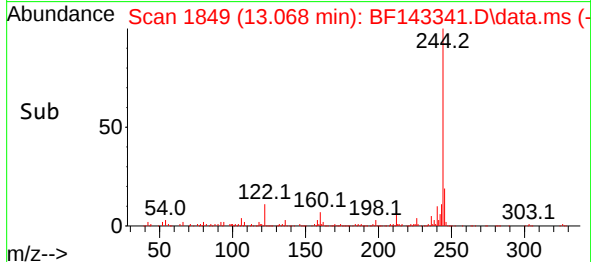
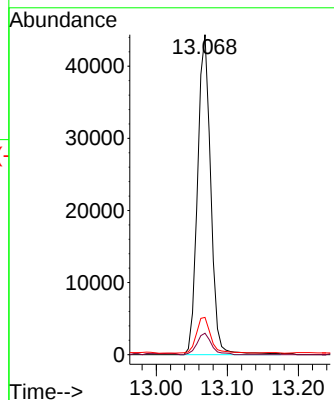
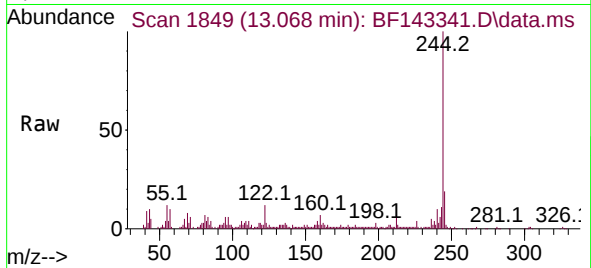




#79
 Terphenyl-d14
 Concen: 4.993 ng
 RT: 13.068 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143341.D
 Acq: 06 Aug 2025 20:35

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-237

Tgt Ion:244 Resp: 57330
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 11.6 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.645 min Scan# 2287
 Delta R.T. 0.024 min
 Lab File: BF143341.D
 Acq: 06 Aug 2025 20:35

Tgt Ion:264 Resp: 130218
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.5 27.7
 265 21.2 17.4 26.2

