

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031225\
 Data File : BN036598.D
 Acq On : 12 Mar 2025 13:29
 Operator : RC/JU
 Sample : Q1531-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE125D2-20250307DL

Quant Time: Mar 12 14:14:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 16:06:28 2025
 Response via : Initial Calibration

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

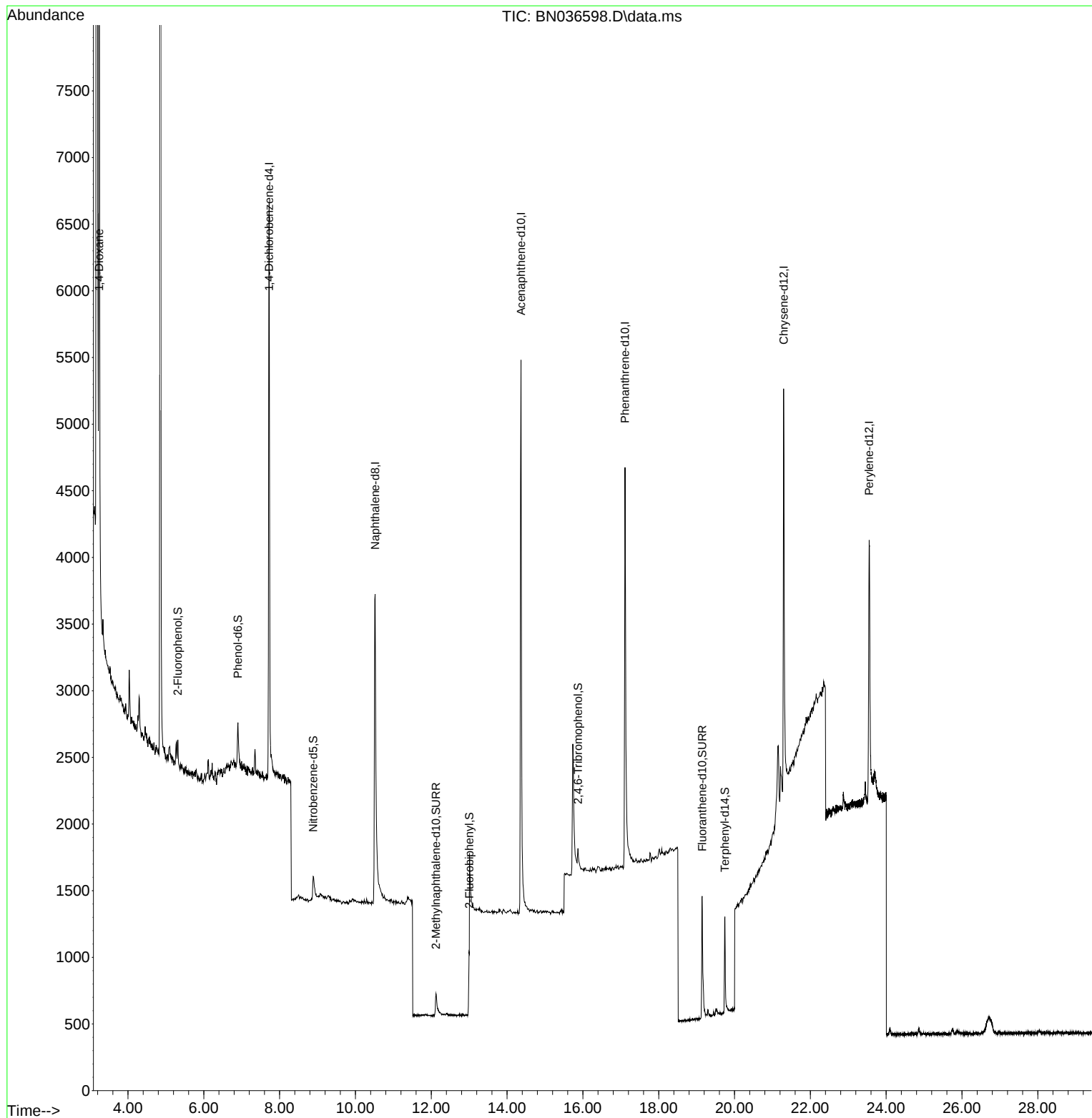
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	2304	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	5150	0.400	ng	0.01
13) Acenaphthene-d10	14.366	164	3131	0.400	ng	0.00
19) Phenanthrene-d10	17.111	188	5911	0.400	ng	# 0.00
29) Chrysene-d12	21.295	240	3996	0.400	ng	0.00
35) Perylene-d12	23.551	264	3315	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	163	0.030	ng	0.00
5) Phenol-d6	6.901	99	418	0.063	ng	0.00
8) Nitrobenzene-d5	8.886	82	352	0.063	ng	0.01
11) 2-Methylnaphthalene-d10	12.126	152	471	0.061	ng	0.02
14) 2,4,6-Tribromophenol	15.870	330	112	0.079	ng	0.01
15) 2-Fluorobiphenyl	13.003	172	930	0.051	ng	0.02
27) Fluoranthene-d10	19.146	212	1393	0.092	ng	0.00
31) Terphenyl-d14	19.745	244	934	0.098	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.239	88	4295	1.680	ng	Qvalue 96

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

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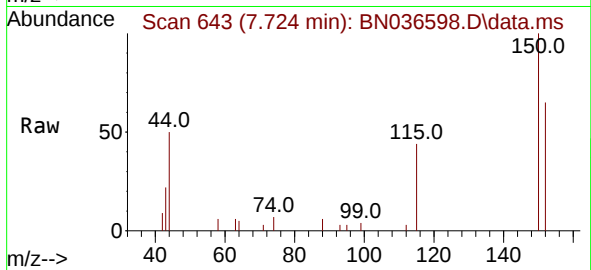
Quant Time: Mar 12 14:14:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
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Response via : Initial Calibration



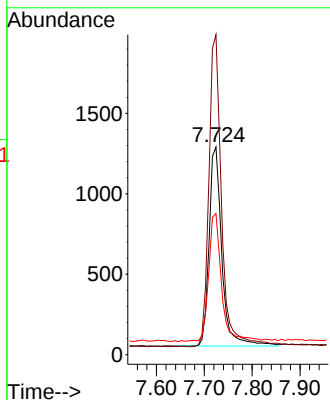
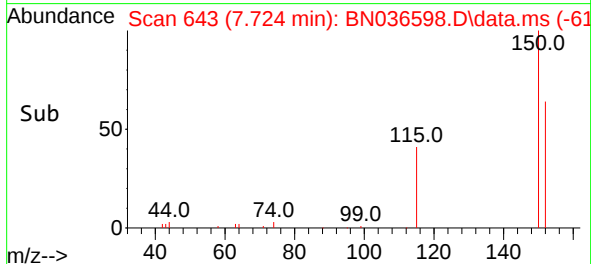


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.724 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: BN036598.D
 Acq: 12 Mar 2025 13:29

Instrument :
 BNA_N
 ClientSampleId :
 RE125D2-20250307DL

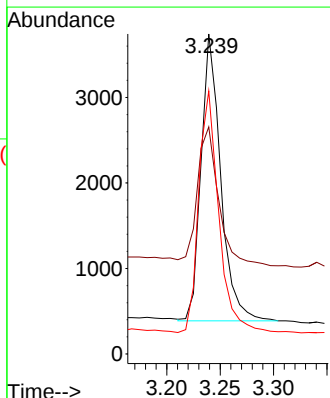
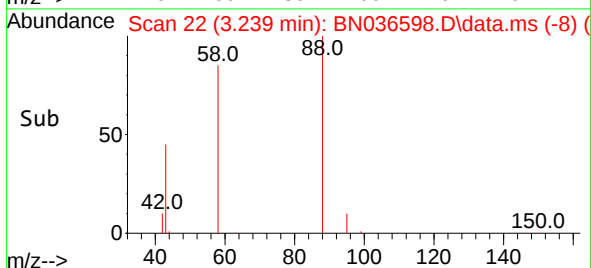
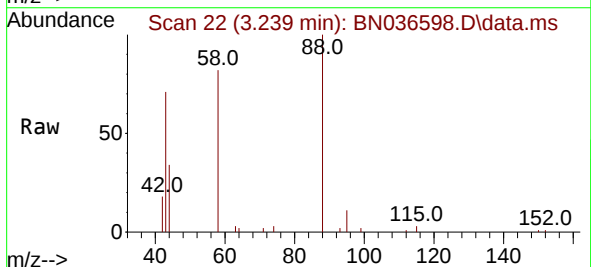


Tgt Ion: 152 Resp: 2304
 Ion Ratio Lower Upper
 152 100
 150 154.1 123.7 185.5
 115 67.9 54.3 81.5



#2
 1,4-Dioxane
 Concen: 1.680 ng
 RT: 3.239 min Scan# 22
 Delta R.T. 0.000 min
 Lab File: BN036598.D
 Acq: 12 Mar 2025 13:29

Tgt Ion: 88 Resp: 4295
 Ion Ratio Lower Upper
 88 100
 43 52.8 37.8 56.8
 58 86.2 67.4 101.2

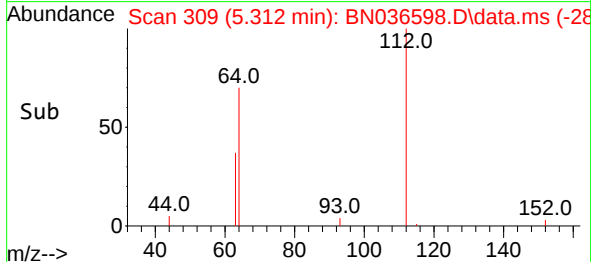
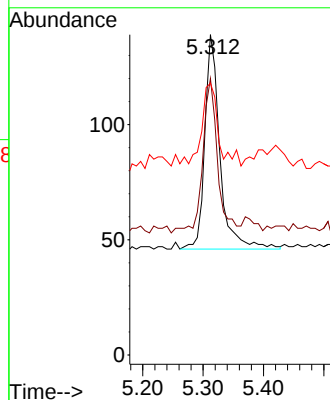
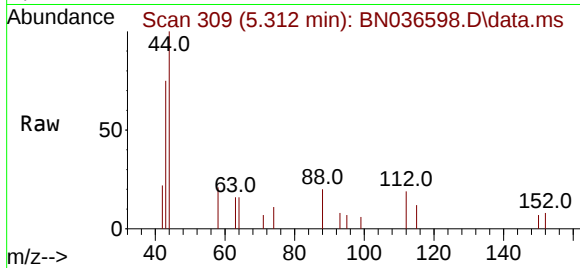




#4
2-Fluorophenol
Concen: 0.030 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN036598.D
Acq: 12 Mar 2025 13:29

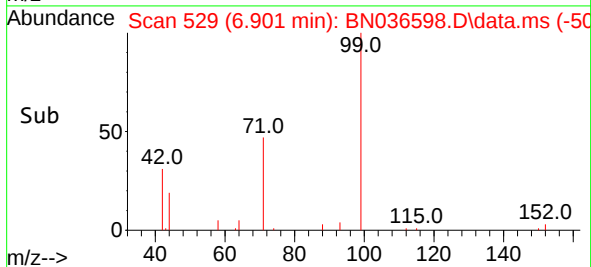
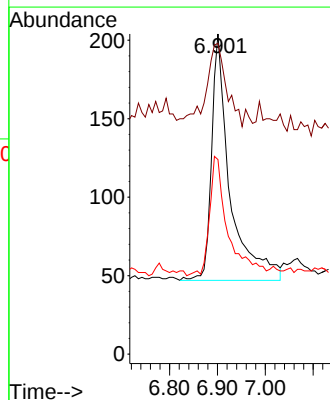
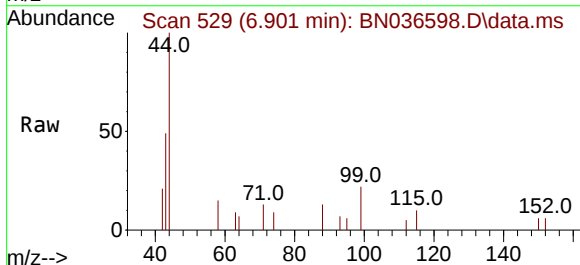
Instrument :
BNA_N
ClientSampleId :
RE125D2-20250307DL

Tgt Ion: 112 Resp: 163
Ion Ratio Lower Upper
112 100
64 69.9 53.1 79.7
63 44.2 31.8 47.8



#5
Phenol-d6
Concen: 0.063 ng
RT: 6.901 min Scan# 529
Delta R.T. 0.000 min
Lab File: BN036598.D
Acq: 12 Mar 2025 13:29

Tgt Ion: 99 Resp: 418
Ion Ratio Lower Upper
99 100
42 37.3 26.5 39.7
71 48.1 34.1 51.1

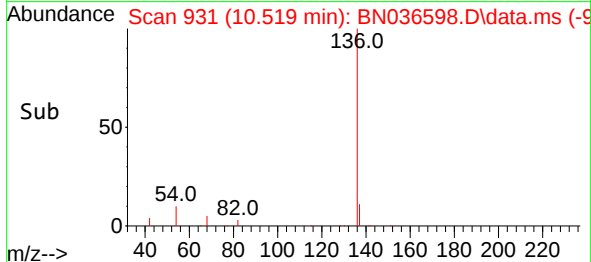
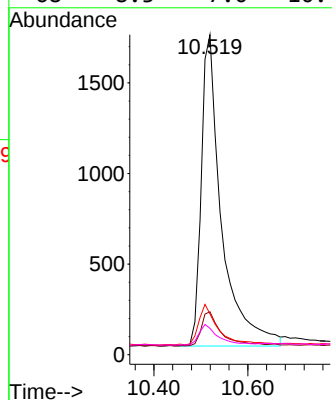
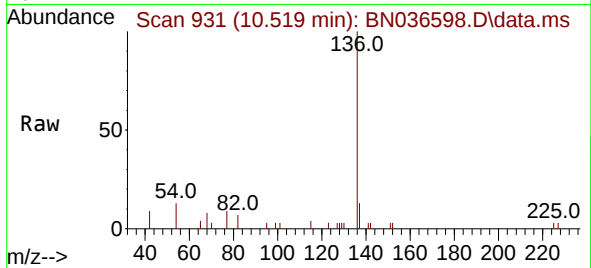




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN036598.D
Acq: 12 Mar 2025 13:29

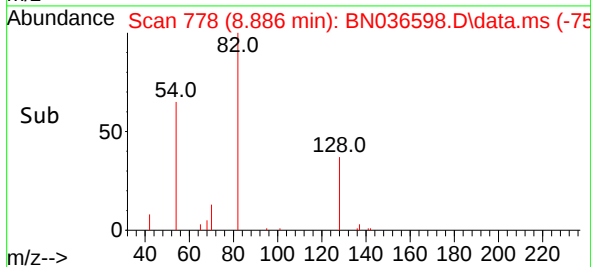
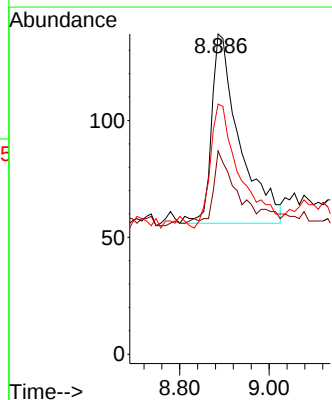
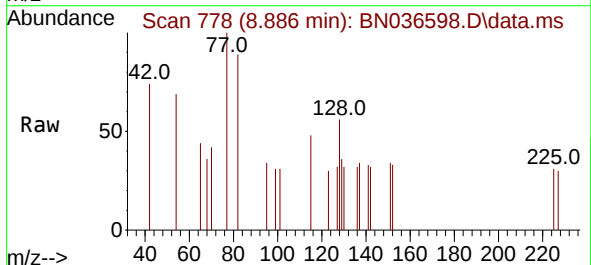
Instrument :
BNA_N
ClientSampleId :
RE125D2-20250307DL

Tgt Ion:	136	Resp:	5150
Ion	Ratio	Lower	Upper
136	100		
137	13.4	10.3	15.5
54	12.7	11.5	17.3
68	8.3	7.0	10.4



#8
Nitrobenzene-d5
Concen: 0.063 ng
RT: 8.886 min Scan# 778
Delta R.T. 0.011 min
Lab File: BN036598.D
Acq: 12 Mar 2025 13:29

Tgt Ion:	82	Resp:	352
Ion	Ratio	Lower	Upper
82	100		
128	63.5	30.6	45.8#
54	78.1	52.2	78.4

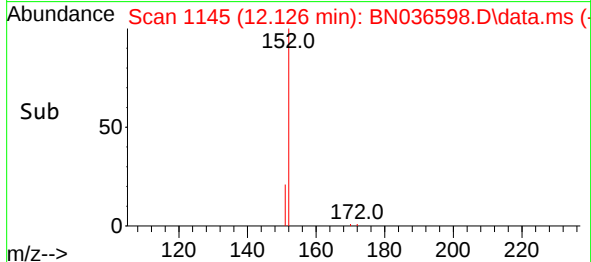
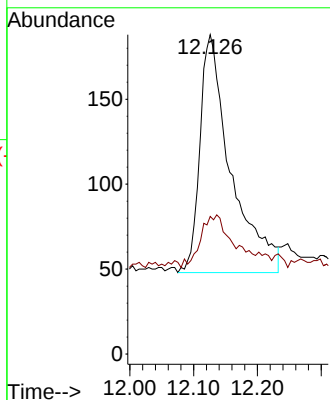
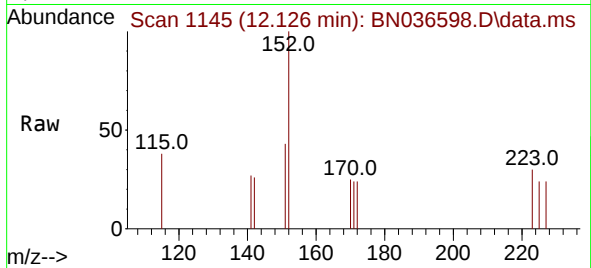




#11
2-Methylnaphthalene-d10
Concen: 0.061 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.015 min
Lab File: BN036598.D
Acq: 12 Mar 2025 13:29

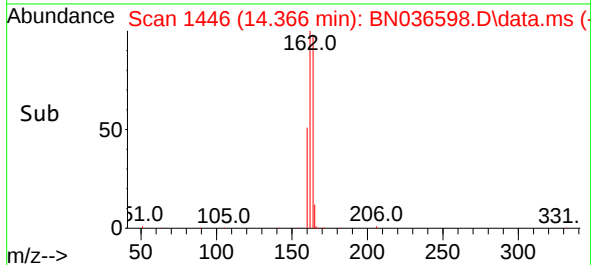
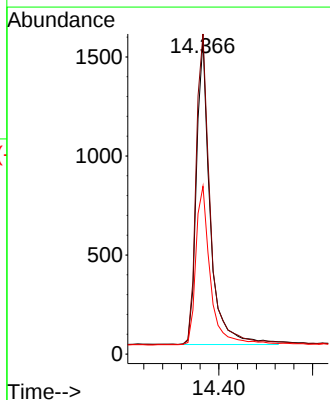
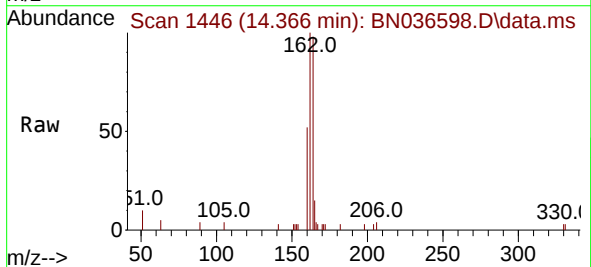
Instrument :
BNA_N
ClientSampleId :
RE125D2-20250307DL

Tgt Ion:152 Resp: 471
Ion Ratio Lower Upper
152 100
151 22.9 17.0 25.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BN036598.D
Acq: 12 Mar 2025 13:29

Tgt Ion:164 Resp: 3131
Ion Ratio Lower Upper
164 100
162 101.8 84.2 126.2
160 53.3 42.2 63.2

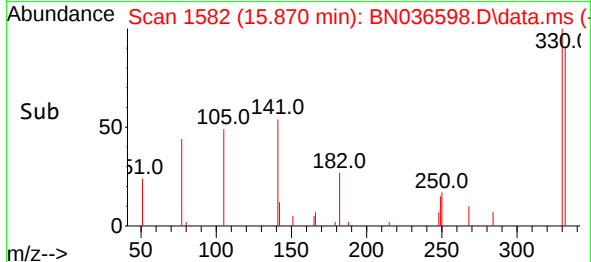
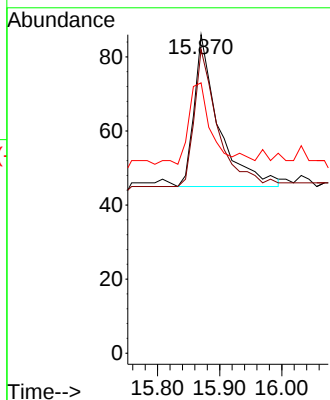
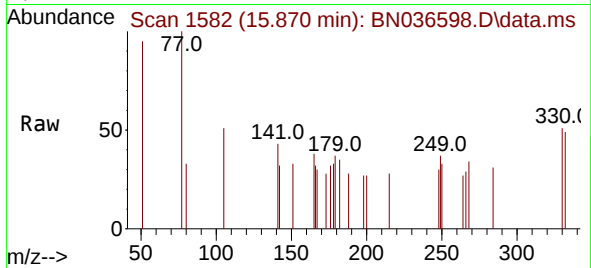




#14
2,4,6-Tribromophenol
Concen: 0.079 ng
RT: 15.870 min Scan# 112
Delta R.T. 0.012 min
Lab File: BN036598.D
Acq: 12 Mar 2025 13:29

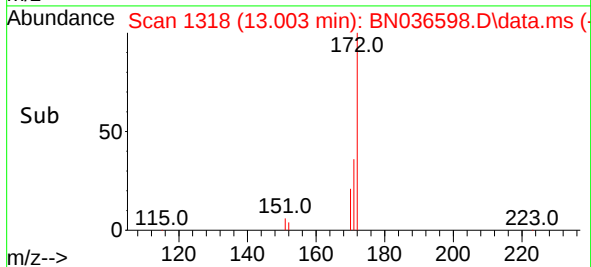
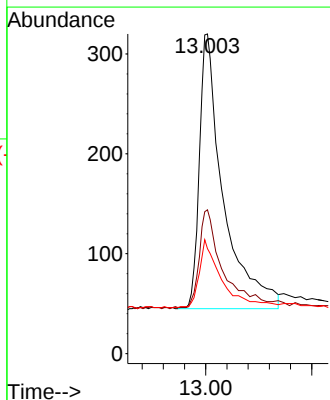
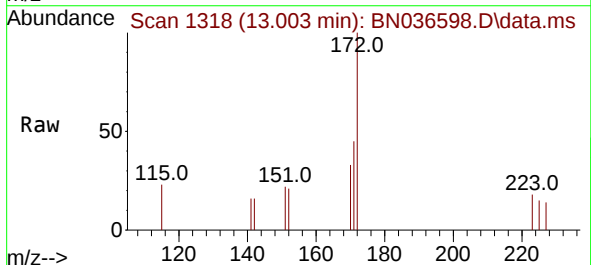
Instrument :
BNA_N
ClientSampleId :
RE125D2-20250307DL

Tgt Ion:330 Resp: 112
Ion Ratio Lower Upper
330 100
332 87.5 75.2 112.8
141 47.3 43.4 65.2



#15
2-Fluorobiphenyl
Concen: 0.051 ng
RT: 13.003 min Scan# 1318
Delta R.T. 0.015 min
Lab File: BN036598.D
Acq: 12 Mar 2025 13:29

Tgt Ion:172 Resp: 930
Ion Ratio Lower Upper
172 100
171 45.0 29.5 44.3#
170 32.8 20.2 30.4#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.111 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036598.D

Acq: 12 Mar 2025 13:29

Instrument :

BNA_N

ClientSampleId :

RE125D2-20250307DL

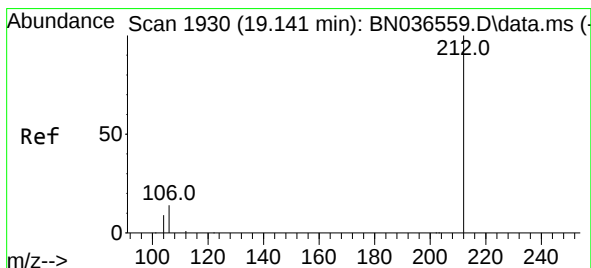
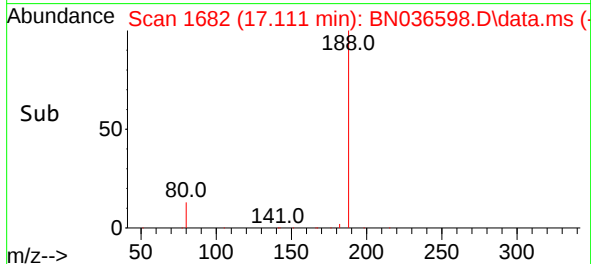
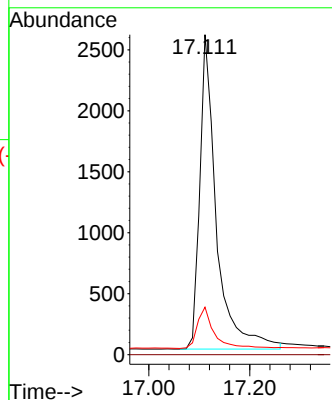
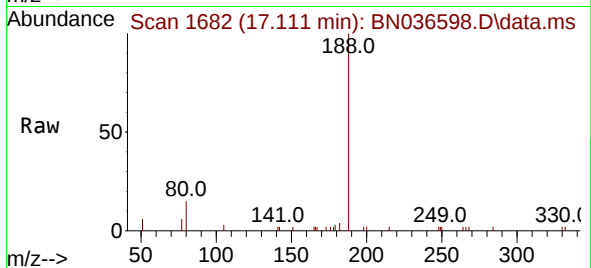
Tgt Ion:188 Resp: 5911

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.9 8.8 13.2#



#27

Fluoranthene-d10

Concen: 0.092 ng

RT: 19.146 min Scan# 1931

Delta R.T. 0.005 min

Lab File: BN036598.D

Acq: 12 Mar 2025 13:29

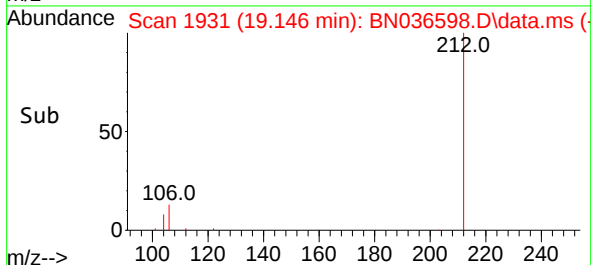
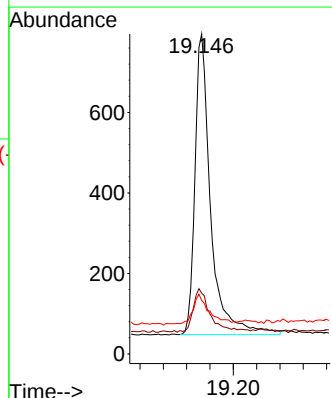
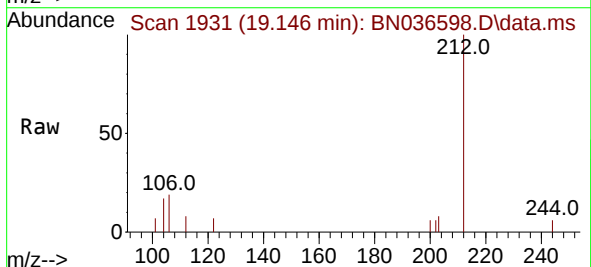
Tgt Ion:212 Resp: 1393

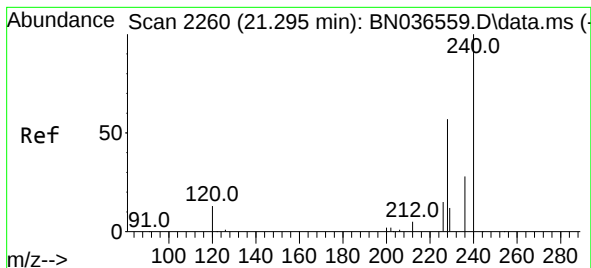
Ion Ratio Lower Upper

212 100

106 15.9 11.8 17.6

104 10.1 7.3 10.9





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.295 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036598.D

Acq: 12 Mar 2025 13:29

Instrument :

BNA_N

ClientSampleId :

RE125D2-20250307DL

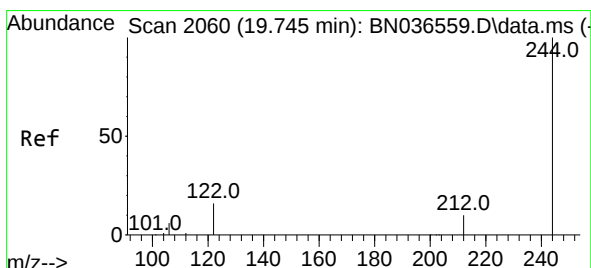
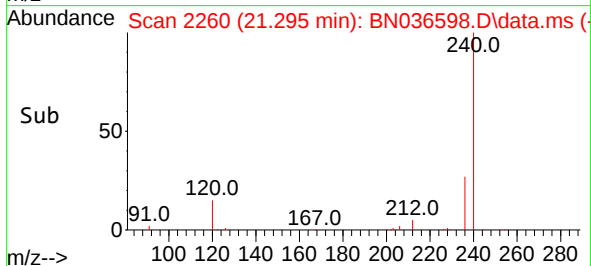
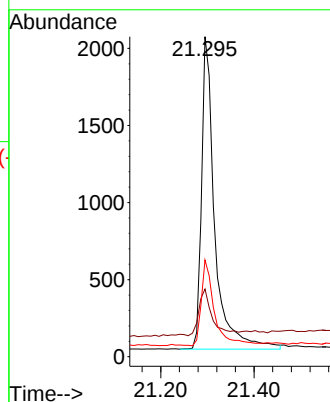
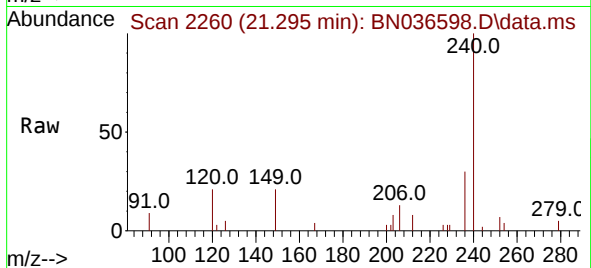
Tgt Ion:240 Resp: 3996

Ion Ratio Lower Upper

240 100

120 21.1 14.6 22.0

236 30.2 24.1 36.1



#31

Terphenyl-d14

Concen: 0.098 ng

RT: 19.745 min Scan# 2060

Delta R.T. 0.000 min

Lab File: BN036598.D

Acq: 12 Mar 2025 13:29

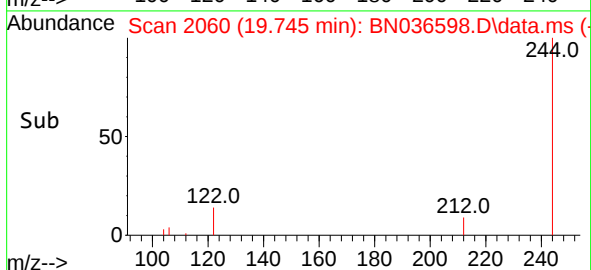
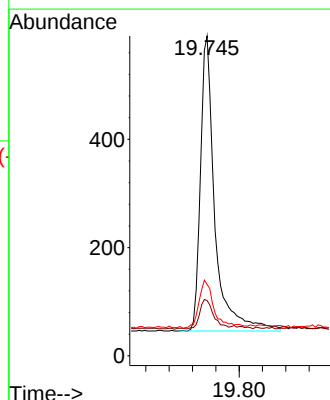
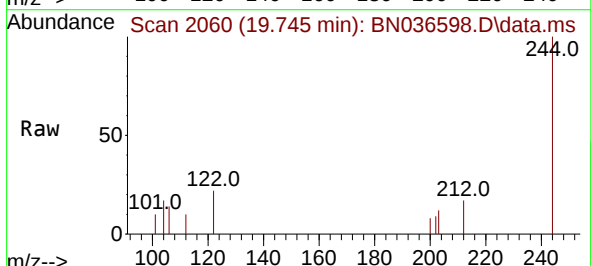
Tgt Ion:244 Resp: 934

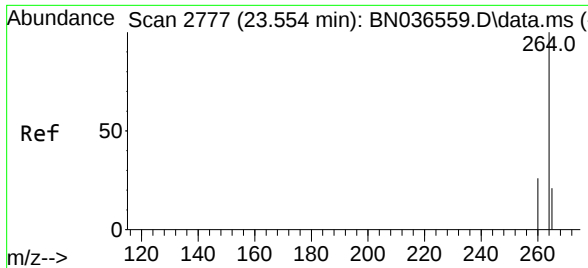
Ion Ratio Lower Upper

244 100

212 17.3 9.6 14.4#

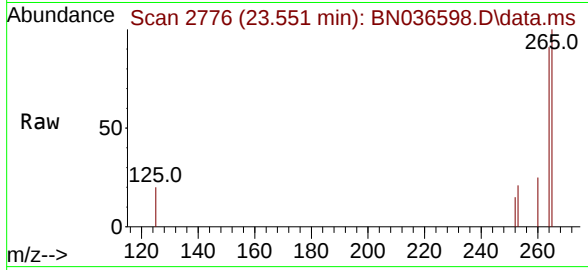
122 22.3 13.9 20.9#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.551 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN036598.D
Acq: 12 Mar 2025 13:29

Instrument :
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Tgt Ion:	264	Resp:	3315
Ion	Ratio	Lower	Upper
264	100		
260	27.2	22.6	33.8
265	109.5	88.1	132.1

