

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120123\
 Data File : BN028963.D
 Acq On : 02 Dec 2023 00:49
 Operator : MA/JU
 Sample : 05358-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP03-20231108

Quant Time: Dec 02 03:16:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 23:11:55 2023
 Response via : Initial Calibration

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

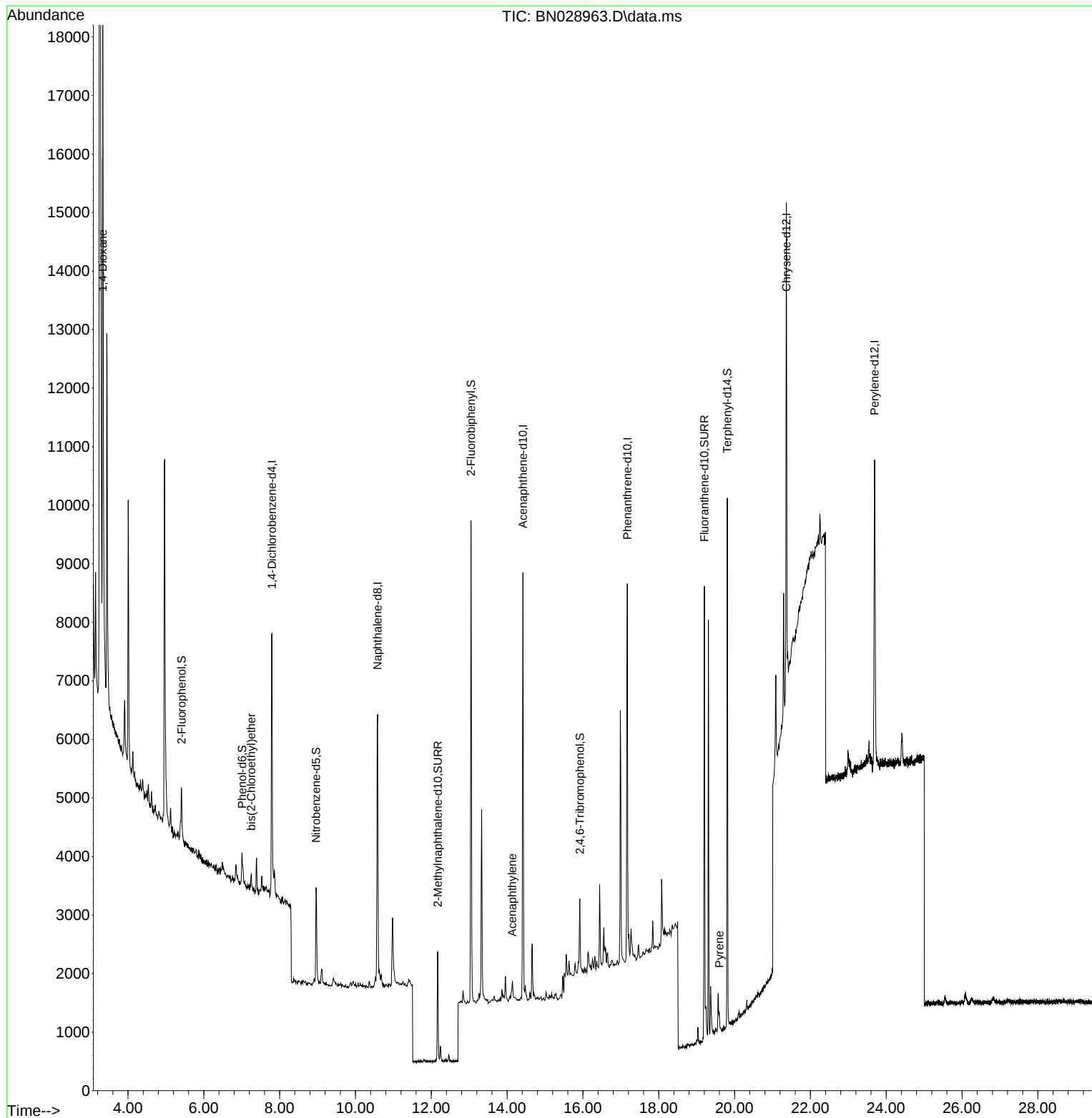
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.797	152	2226	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	6677	0.400	ng	0.00
13) Acenaphthene-d10	14.418	164	4106	0.400	ng	0.00
19) Phenanthrene-d10	17.171	188	9139	0.400	ng	# 0.00
29) Chrysene-d12	21.365	240	7502	0.400	ng	# 0.00
35) Perylene-d12	23.693	264	7240	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.413	112	643	0.095	ng	0.00
5) Phenol-d6	7.009	99	429	0.057	ng	0.00
8) Nitrobenzene-d5	8.961	82	1555	0.234	ng	-0.01
11) 2-Methylnaphthalene-d10	12.170	152	2515	0.235	ng	0.00
14) 2,4,6-Tribromophenol	15.918	330	757	0.273	ng	0.00
15) 2-Fluorobiphenyl	13.049	172	6649	0.375	ng	0.00
27) Fluoranthene-d10	19.204	212	8507	0.354	ng	0.00
31) Terphenyl-d14	19.808	244	8618	0.402	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.333	88	9736	4.466	ng	95
6) bis(2-Chloroethyl)ether	7.248	93	244	0.039	ng	88
16) Acenaphthylene	14.140	152	688	0.032	ng	98
30) Pyrene	19.599	202	302	0.099	ng	# 74

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

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Quant Time: Dec 02 03:16:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 23:11:55 2023
Response via : Initial Calibration

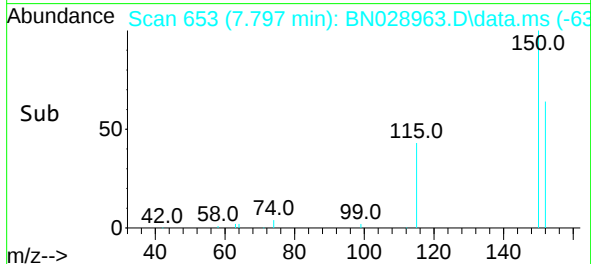
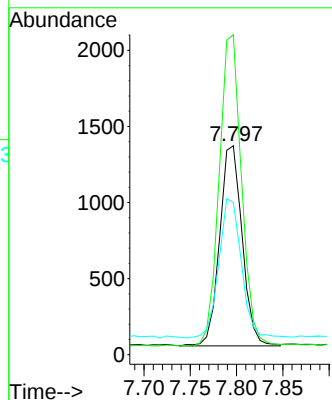
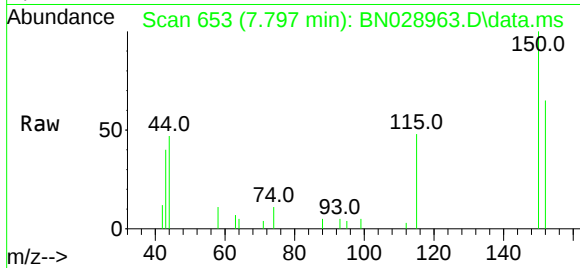




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.797 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN028963.D
 Acq: 02 Dec 2023 00:49

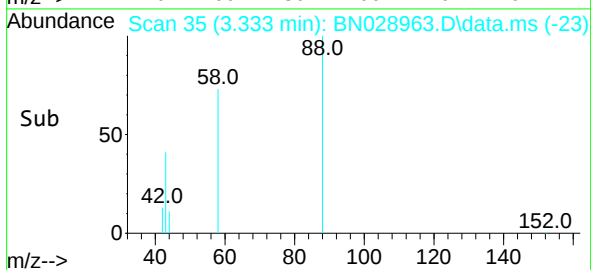
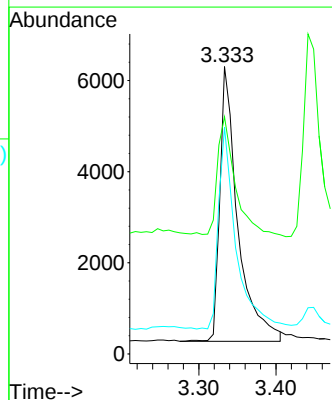
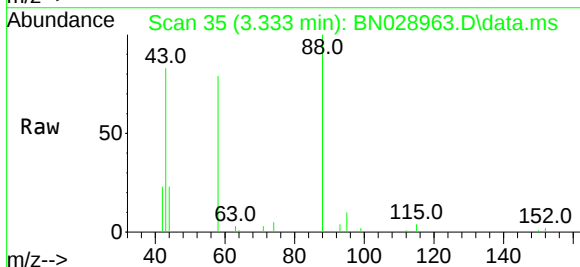
Instrument :
 BNA_N
 ClientSampleId :
 DUP03-20231108

Tgt Ion:152 Resp: 2226
 Ion Ratio Lower Upper
 152 100
 150 153.2 123.4 185.2
 115 72.8 59.1 88.7



#2
 1,4-Dioxane
 Concen: 4.466 ng
 RT: 3.333 min Scan# 35
 Delta R.T. -0.015 min
 Lab File: BN028963.D
 Acq: 02 Dec 2023 00:49

Tgt Ion: 88 Resp: 9736
 Ion Ratio Lower Upper
 88 100
 43 41.3 29.9 44.9
 58 71.9 55.0 82.4

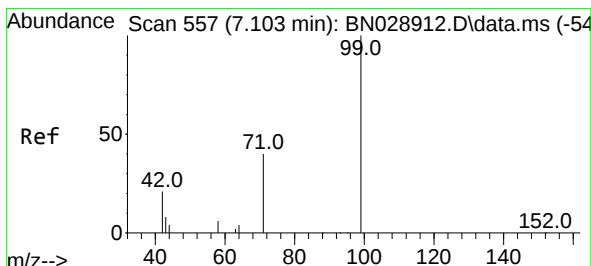
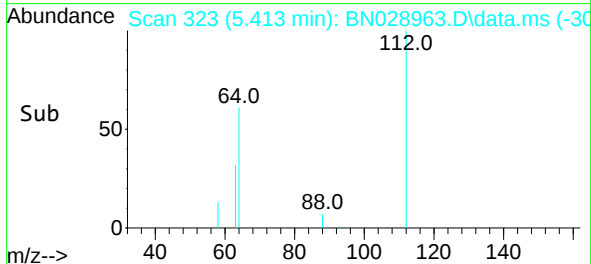
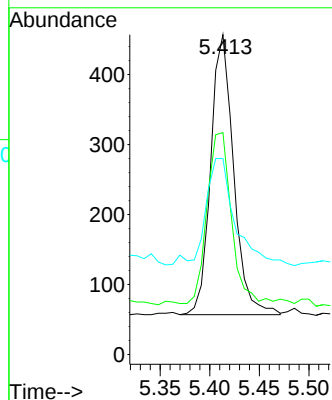
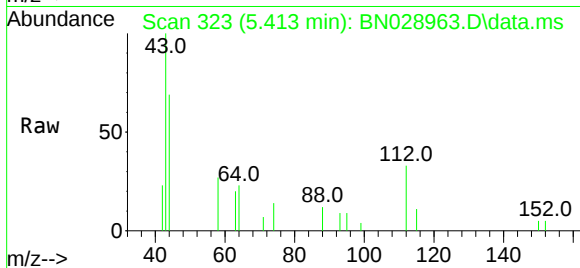




#4
2-Fluorophenol
Concen: 0.095 ng
RT: 5.413 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN028963.D
Acq: 02 Dec 2023 00:49

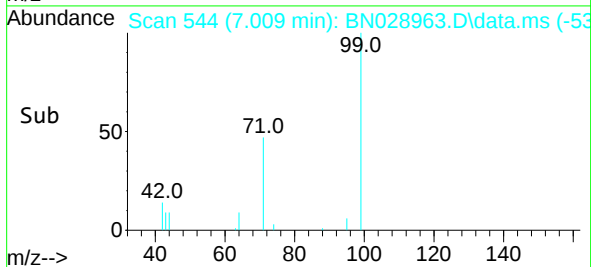
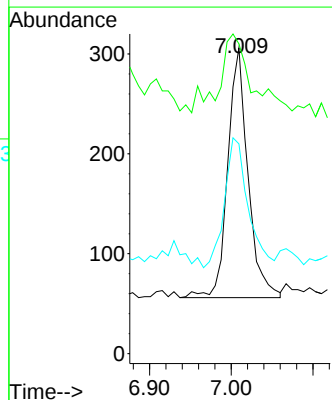
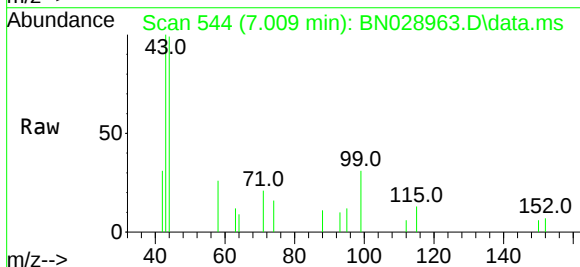
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BNA_N
ClientSampleId :
DUP03-20231108

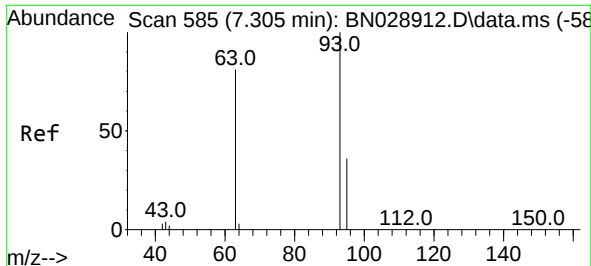
Tgt Ion:112 Resp: 643
Ion Ratio Lower Upper
112 100
64 65.8 51.5 77.3
63 49.1 30.4 45.6#



#5
Phenol-d6
Concen: 0.057 ng
RT: 7.009 min Scan# 544
Delta R.T. -0.000 min
Lab File: BN028963.D
Acq: 02 Dec 2023 00:49

Tgt Ion: 99 Resp: 429
Ion Ratio Lower Upper
99 100
42 44.1 21.2 31.8#
71 60.6 35.4 53.0#

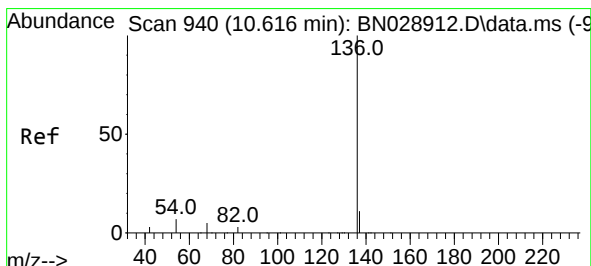
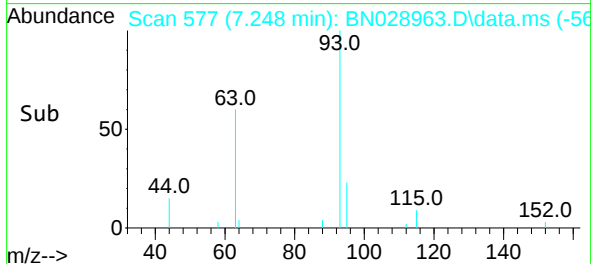
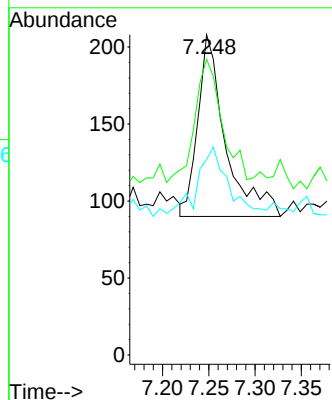
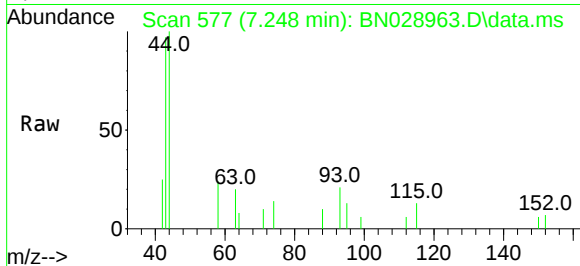




#6
bis(2-Chloroethyl)ether
Concen: 0.039 ng
RT: 7.248 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN028963.D
Acq: 02 Dec 2023 00:49

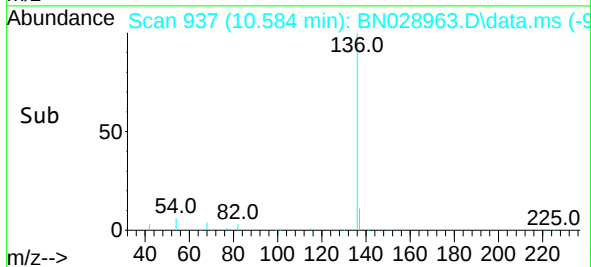
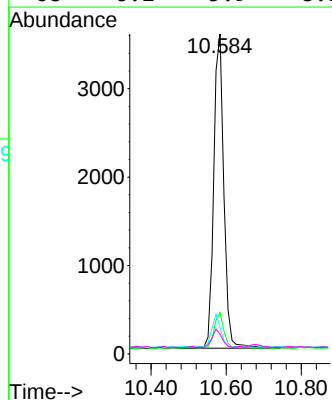
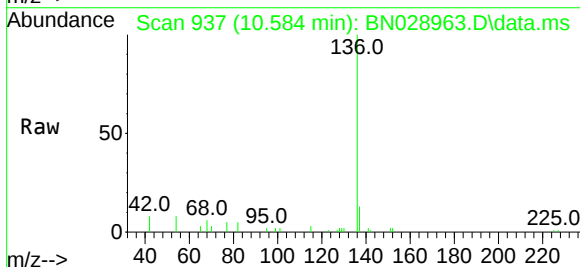
Instrument :
BNA_N
ClientSampleId :
DUP03-20231108

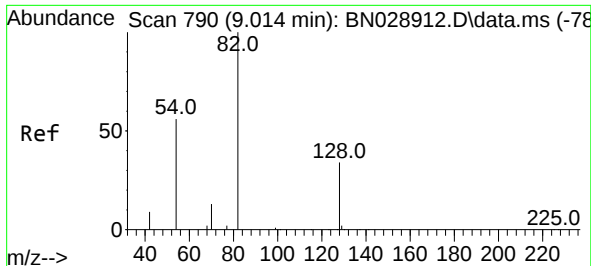
Tgt Ion: 93 Resp: 244
Ion Ratio Lower Upper
93 100
63 71.3 66.9 100.3
95 40.2 28.2 42.4



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 937
Delta R.T. -0.000 min
Lab File: BN028963.D
Acq: 02 Dec 2023 00:49

Tgt Ion:136 Resp: 6677
Ion Ratio Lower Upper
136 100
137 12.9 10.6 16.0
54 8.3 7.5 11.3
68 6.2 5.9 8.9

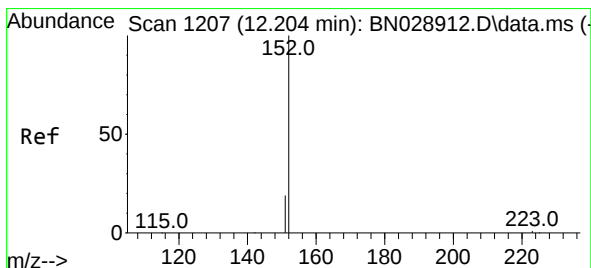
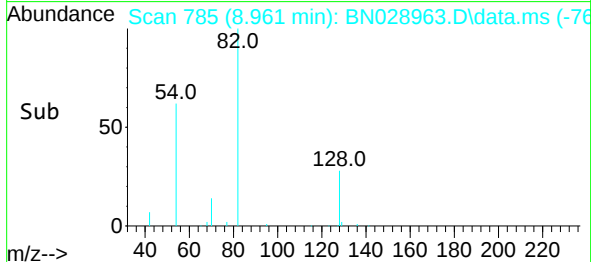
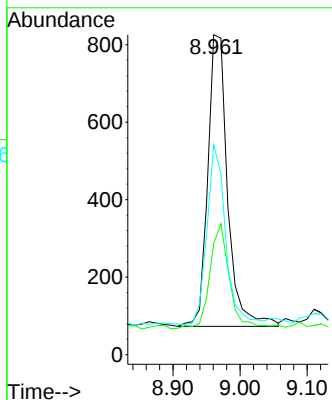
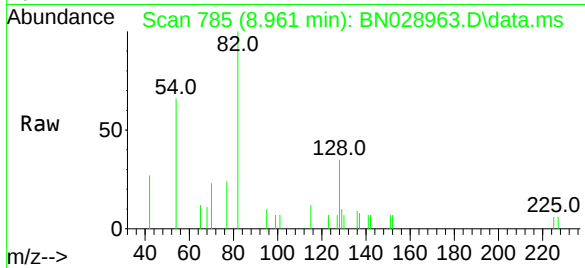




#8
 Nitrobenzene-d5
 Concen: 0.234 ng
 RT: 8.961 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BN028963.D
 Acq: 02 Dec 2023 00:49

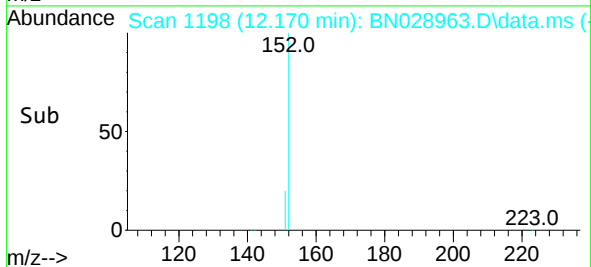
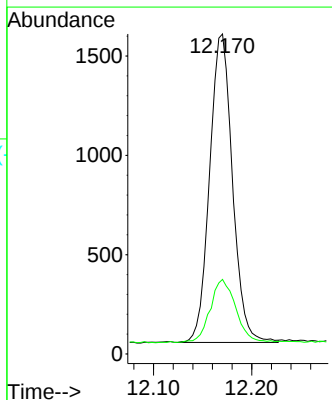
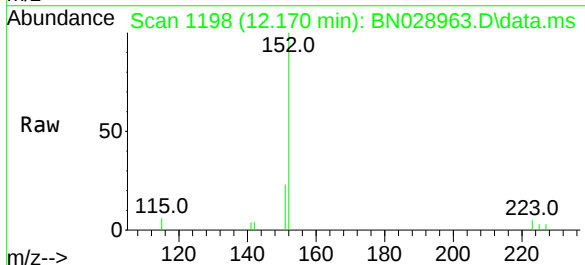
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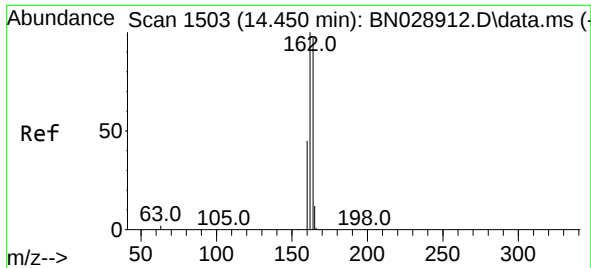
Tgt Ion: 82 Resp: 1555
 Ion Ratio Lower Upper
 82 100
 128 34.7 29.2 43.8
 54 65.6 47.0 70.6



#11
 2-Methylnaphthalene-d10
 Concen: 0.235 ng
 RT: 12.170 min Scan# 1198
 Delta R.T. -0.000 min
 Lab File: BN028963.D
 Acq: 02 Dec 2023 00:49

Tgt Ion: 152 Resp: 2515
 Ion Ratio Lower Upper
 152 100
 151 22.7 16.7 25.1

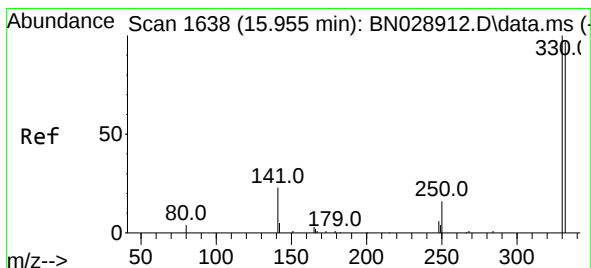
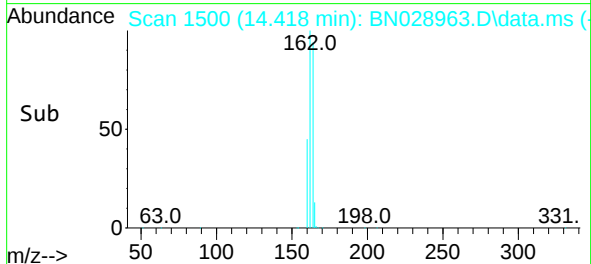
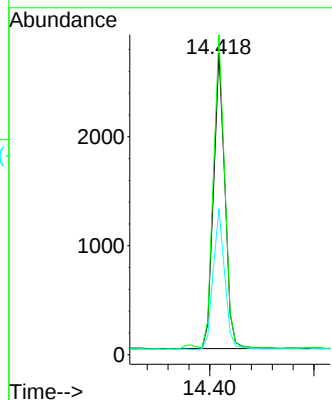
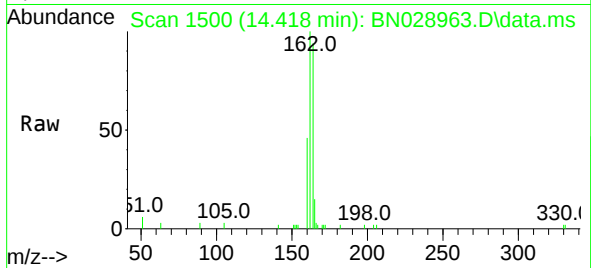




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.418 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN028963.D
Acq: 02 Dec 2023 00:49

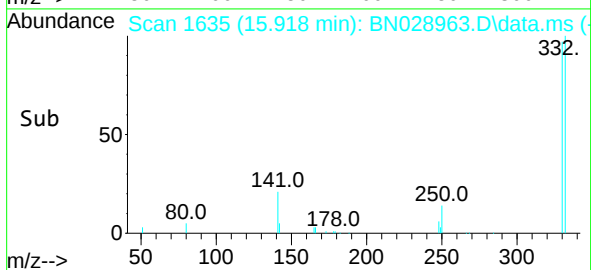
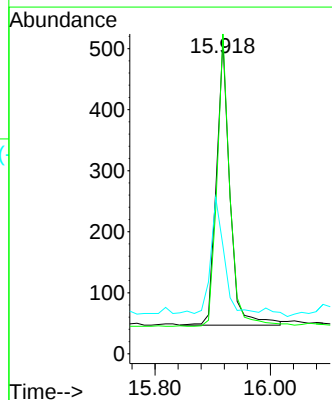
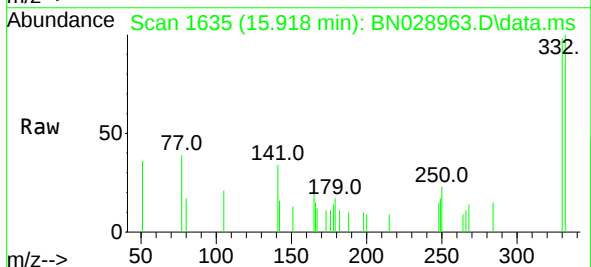
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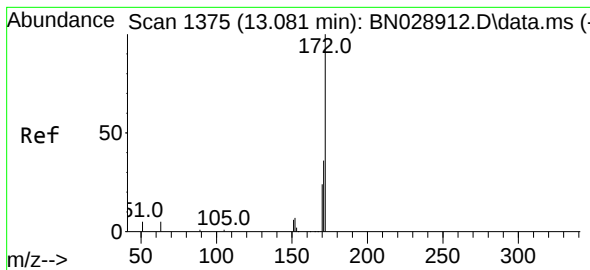
Tgt Ion:164 Resp: 4106
Ion Ratio Lower Upper
164 100
162 106.1 81.7 122.5
160 48.4 37.0 55.6



#14
2,4,6-Tribromophenol
Concen: 0.273 ng
RT: 15.918 min Scan# 1635
Delta R.T. -0.000 min
Lab File: BN028963.D
Acq: 02 Dec 2023 00:49

Tgt Ion:330 Resp: 757
Ion Ratio Lower Upper
330 100
332 97.4 75.4 113.2
141 38.7 35.7 53.5

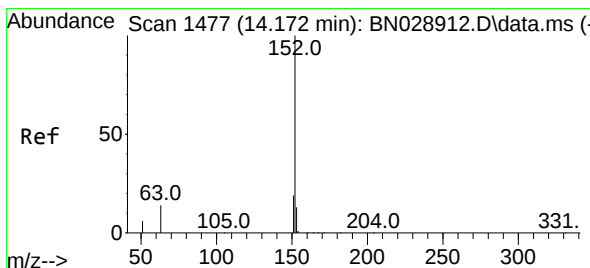
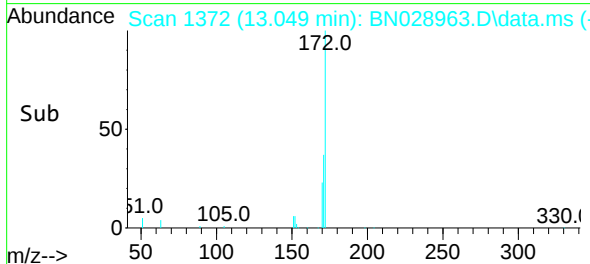
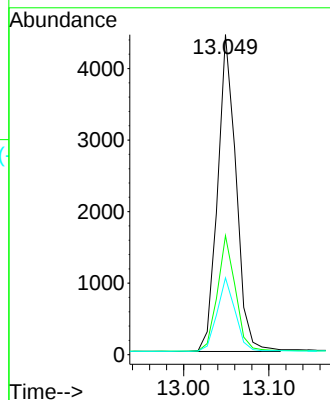
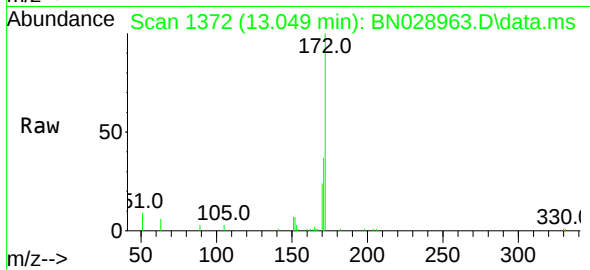




#15
2-Fluorobiphenyl
Concen: 0.375 ng
RT: 13.049 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN028963.D
Acq: 02 Dec 2023 00:49

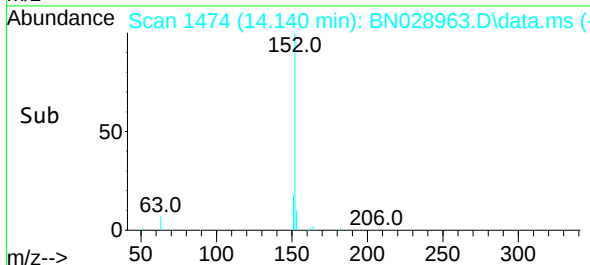
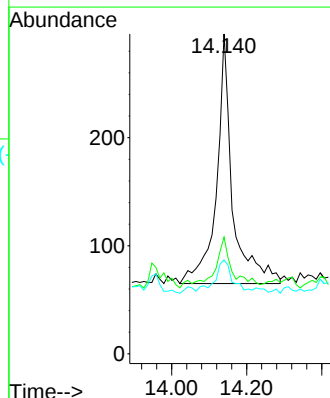
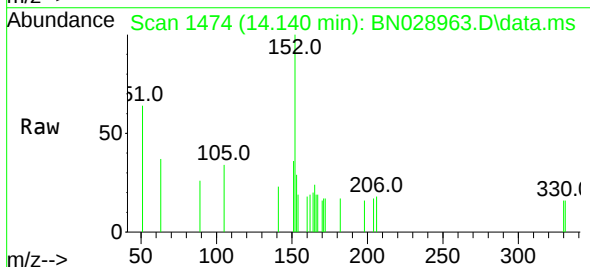
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ClientSampleId :
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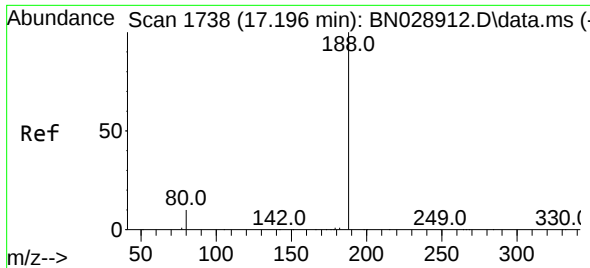
Tgt Ion:172 Resp: 6649
Ion Ratio Lower Upper
172 100
171 37.2 29.0 43.4
170 24.0 19.7 29.5



#16
Acenaphthylene
Concen: 0.032 ng
RT: 14.140 min Scan# 1474
Delta R.T. -0.000 min
Lab File: BN028963.D
Acq: 02 Dec 2023 00:49

Tgt Ion:152 Resp: 688
Ion Ratio Lower Upper
152 100
151 18.6 15.9 23.9
153 13.7 10.8 16.2

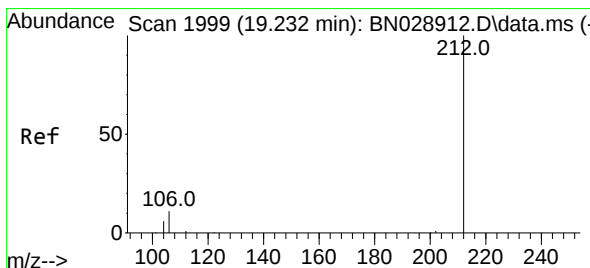
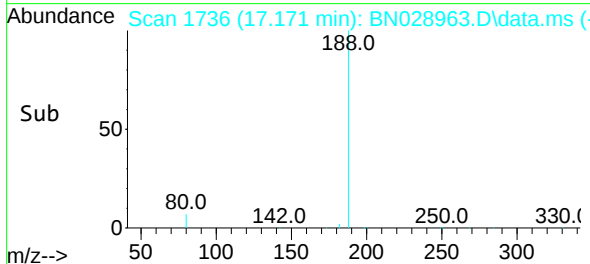
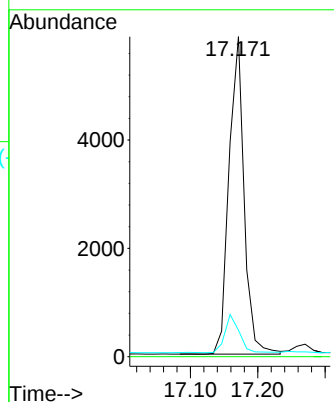
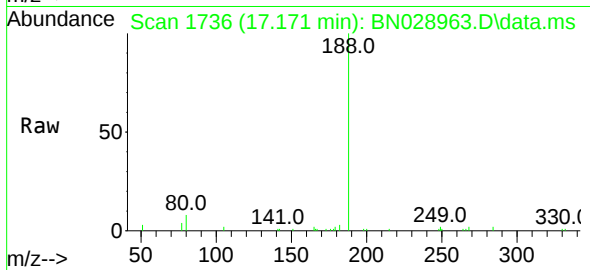




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.171 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN028963.D
Acq: 02 Dec 2023 00:49

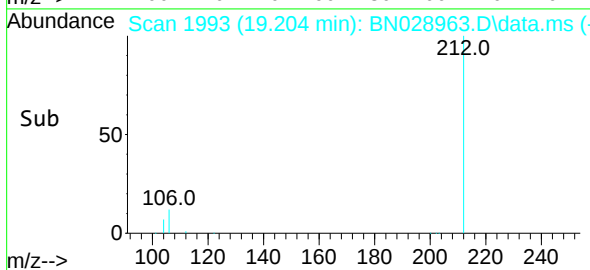
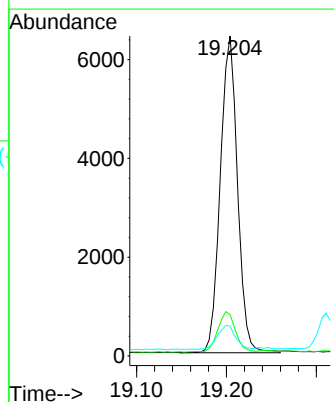
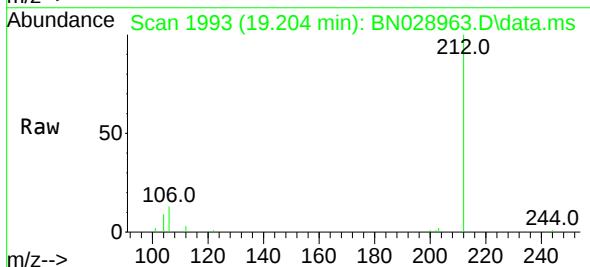
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BNA_N
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DUP03-20231108

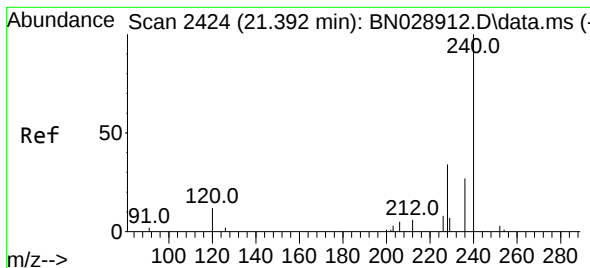
Tgt Ion:188 Resp: 9139
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 9.0 13.6#



#27
Fluoranthene-d10
Concen: 0.354 ng
RT: 19.204 min Scan# 1993
Delta R.T. -0.005 min
Lab File: BN028963.D
Acq: 02 Dec 2023 00:49

Tgt Ion:212 Resp: 8507
Ion Ratio Lower Upper
212 100
106 13.2 9.4 14.2
104 7.9 6.2 9.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.365 min Scan# 2421

Delta R.T. -0.009 min

Lab File: BN028963.D

Acq: 02 Dec 2023 00:49

Instrument :

BNA_N

ClientSampleId :

DUP03-20231108

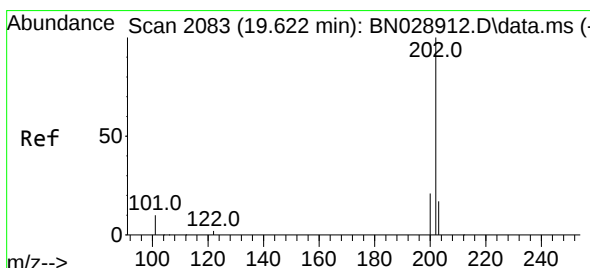
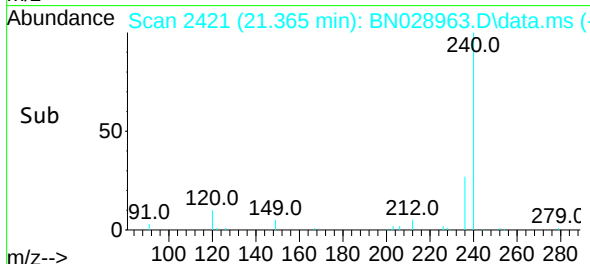
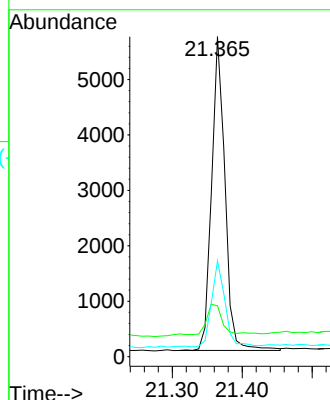
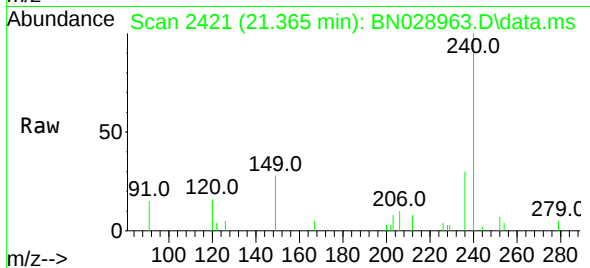
Tgt Ion:240 Resp: 7502

Ion Ratio Lower Upper

240 100

120 15.9 37.1 55.7#

236 29.9 32.4 48.6#



#30

Pyrene

Concen: 0.099 ng

RT: 19.599 min Scan# 2078

Delta R.T. -0.005 min

Lab File: BN028963.D

Acq: 02 Dec 2023 00:49

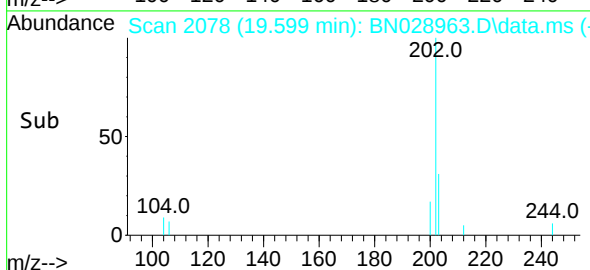
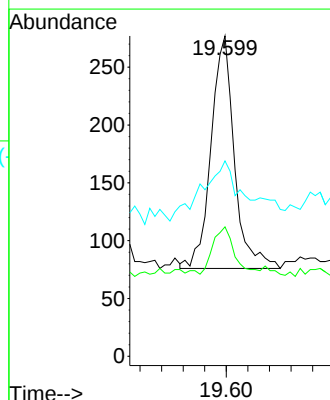
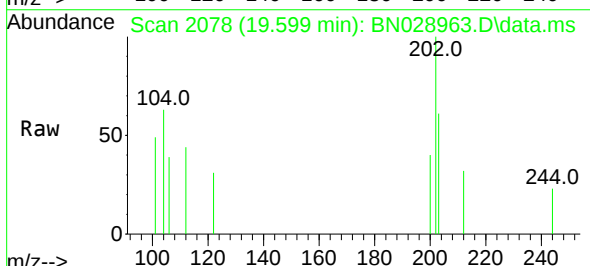
Tgt Ion:202 Resp: 302

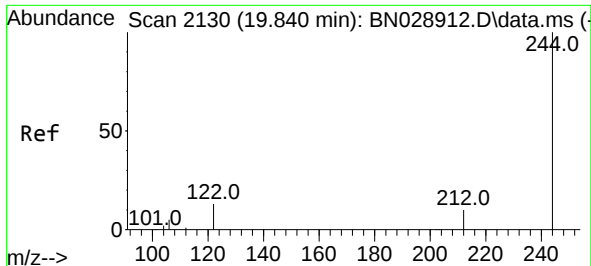
Ion Ratio Lower Upper

202 100

200 18.5 16.9 25.3

203 40.7 14.8 22.2#

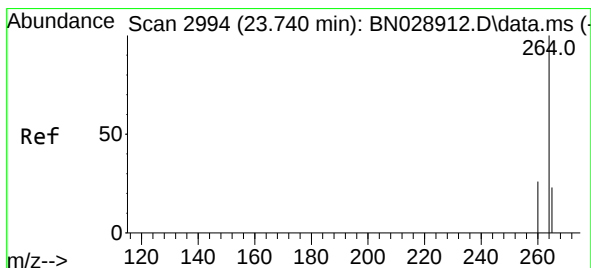
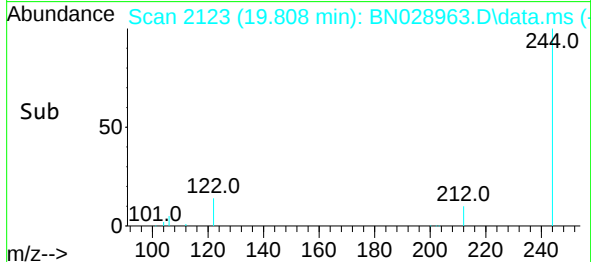
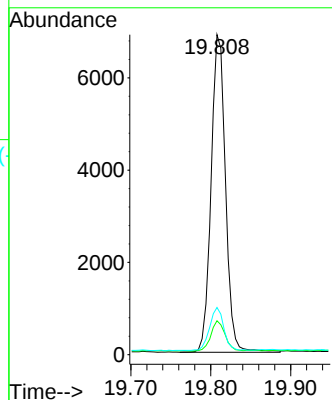
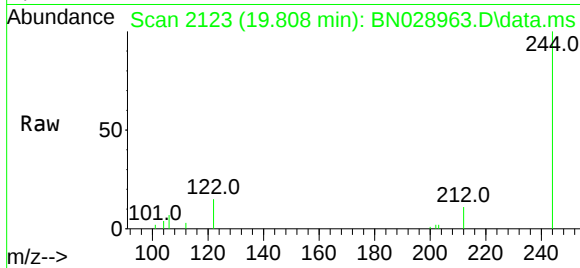




#31
 Terphenyl-d14
 Concen: 0.402 ng
 RT: 19.808 min Scan# 2130
 Delta R.T. -0.009 min
 Lab File: BN028963.D
 Acq: 02 Dec 2023 00:49

Instrument :
 BNA_N
 ClientSampleId :
 DUP03-20231108

Tgt Ion:244 Resp: 8618
 Ion Ratio Lower Upper
 244 100
 212 10.6 11.5 17.3#
 122 14.7 13.2 19.8



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.693 min Scan# 2978
 Delta R.T. -0.015 min
 Lab File: BN028963.D
 Acq: 02 Dec 2023 00:49

Tgt Ion:264 Resp: 7240
 Ion Ratio Lower Upper
 264 100
 260 27.5 20.6 30.8
 265 91.6 464.5 696.7#

