

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091923\
 Data File : BN027748.D
 Acq On : 19 Sep 2023 13:29
 Operator : MA/JU
 Sample : 04346-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

Quant Time: Sep 19 14:05:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 14:40:21 2023
 Response via : Initial Calibration

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

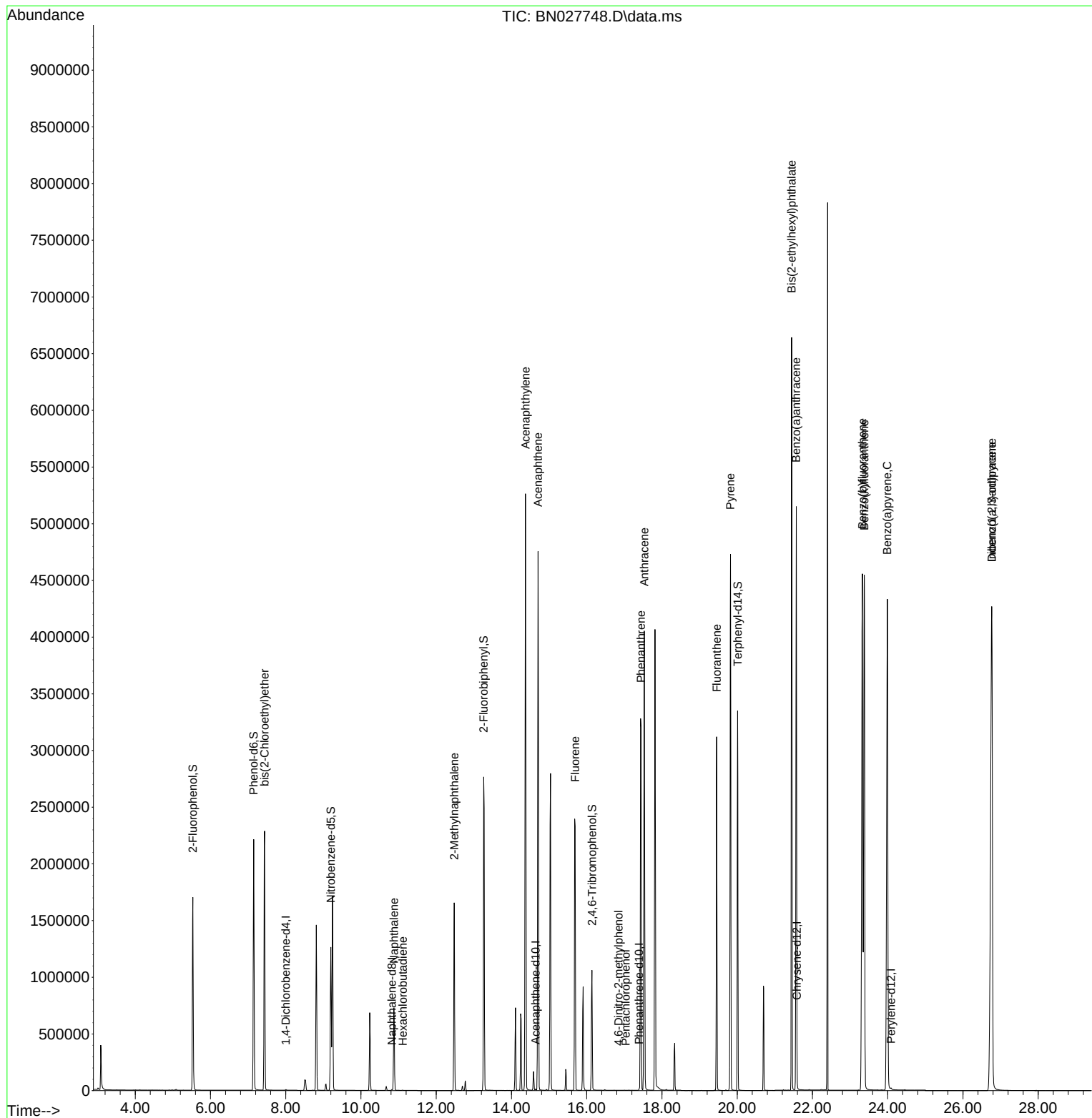
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.001	152	2715	0.400	ng	-0.01
7) Naphthalene-d8	10.821	136	10135	0.400	ng	-0.01
13) Acenaphthene-d10	14.640	164	6899	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	14470	0.400	ng	0.00
29) Chrysene-d12	21.587	240	15787	0.400	ng	0.00
35) Perylene-d12	24.089	264	15549	0.400	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.531	112	1375459	193.381	ng	-0.01
5) Phenol-d6	7.149	99	2034836	234.032	ng	0.00
8) Nitrobenzene-d5	9.198	82	995444	120.990	ng	-0.01
11) 2-Methylnaphthalene-d10	12.543	152	6	0.000	ng	0.13
14) 2,4,6-Tribromophenol	16.139	330	568411	176.361	ng	0.00
15) 2-Fluorobiphenyl	13.261	172	2495922	106.218	ng	-0.01
27) Fluoranthene-d10	19.425	212	31	0.001	ng	0.00
31) Terphenyl-d14	20.011	244	3200795	107.996	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.438	93	1658426	194.108	ng	99
9) Naphthalene	10.874	128	909566	32.578	ng	100
10) Hexachlorobutadiene	11.109	225	1869	0.389	ng	# 100
12) 2-Methylnaphthalene	12.479	142	1152162	58.909	ng	98
16) Acenaphthylene	14.373	152	5625152	191.530	ng	98
17) Acenaphthene	14.705	154	2442275	119.709	ng	95
18) Fluorene	15.693	166	1914236	63.626	ng	99
20) 4,6-Dinitro-2-methylph...	16.847	198	10	0.045	ng	# 1
24) Pentachlorophenol	17.033	266	84	0.021	ng	# 38
25) Phenanthrene	17.443	178	3883928	92.275	ng	99
26) Anthracene	17.530	178	3935577	108.531	ng	98
28) Fluoranthene	19.453	202	2600884	47.180	ng	99
30) Pyrene	19.820	202	4274381	79.386	ng	99
32) Benzo(a)anthracene	21.569	228	4343385	76.940	ng	96
34) Bis(2-ethylhexyl)phtha...	21.444	149	6224629	234.213	ng	# 95
36) Indeno(1,2,3-cd)pyrene	26.764	276	1924390	27.382	ng	# 70
37) Benzo(b)fluoranthene	23.326	252	7201285	124.759	ng	97
38) Benzo(k)fluoranthene	23.376	252	6236328	105.958	ng	97
39) Benzo(a)pyrene	23.990	252	7342856	133.869	ng	98
40) Dibenzo(a,h)anthracene	26.764	278	7660664	133.277	ng	98

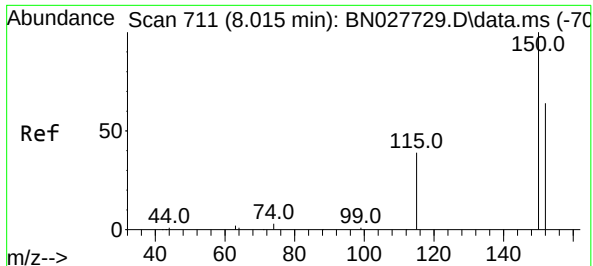
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN027748.D
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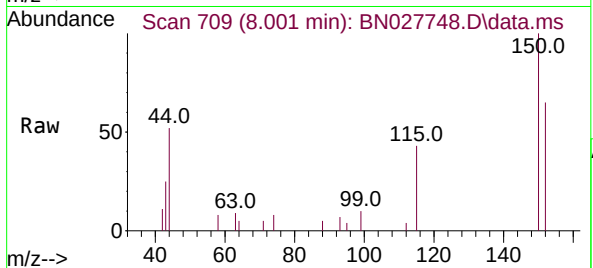
Quant Time: Sep 19 14:05:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 18 14:40:21 2023
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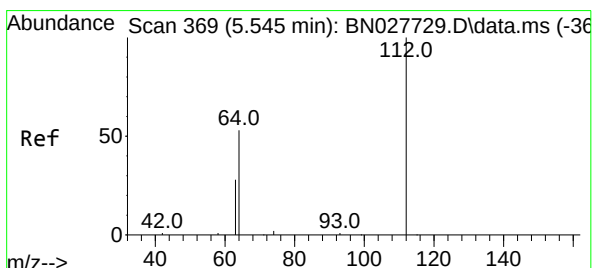
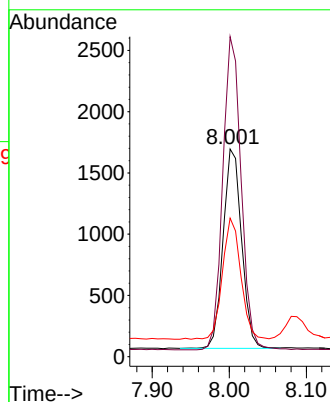
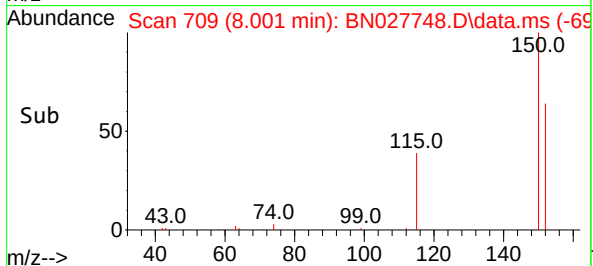


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.001 min Scan# 709
Delta R.T. -0.014 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

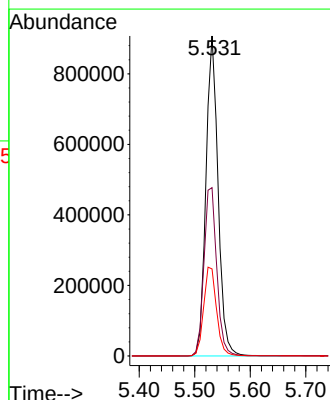
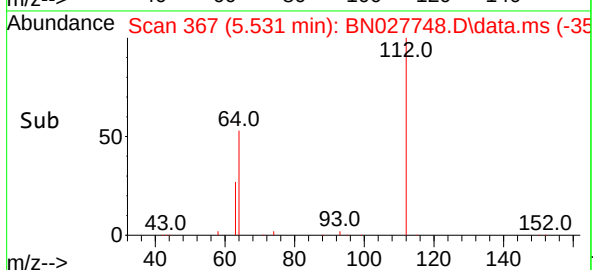
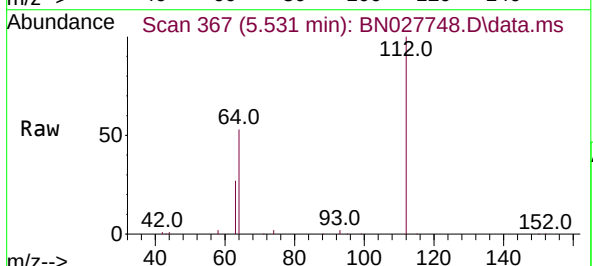


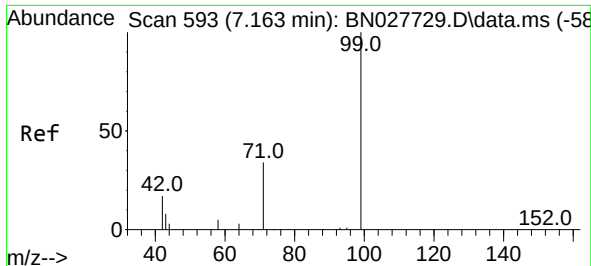
Tgt Ion:152 Resp: 2715
Ion Ratio Lower Upper
152 100
150 154.1 119.2 178.8
115 66.7 53.8 80.8



#4
2-Fluorophenol
Concen: 193.381 ng
RT: 5.531 min Scan# 367
Delta R.T. -0.014 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Tgt Ion:112 Resp: 1375459
Ion Ratio Lower Upper
112 100
64 56.1 45.0 67.6
63 29.6 24.1 36.1



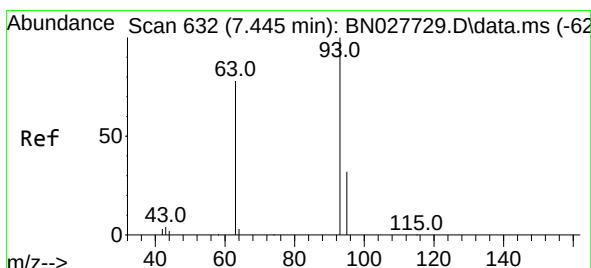
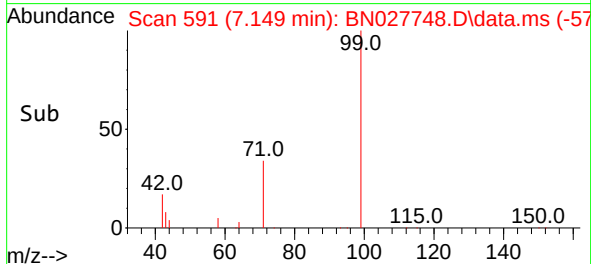
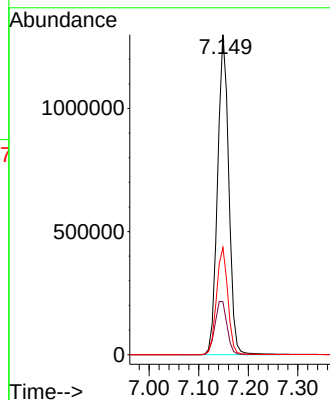
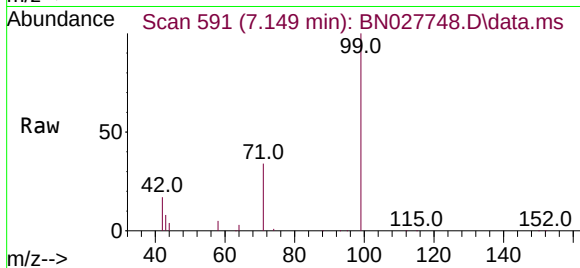


#5
Phenol-d6
Concen: 234.032 ng
RT: 7.149 min Scan# 591
Delta R.T. -0.007 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

Tgt Ion: 99 Resp: 2034836

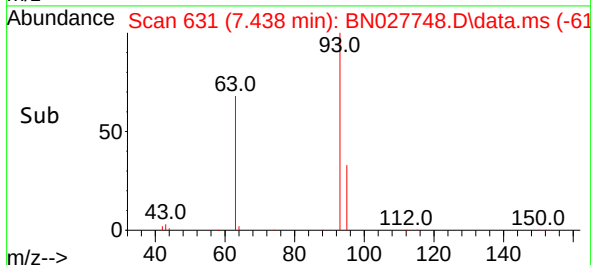
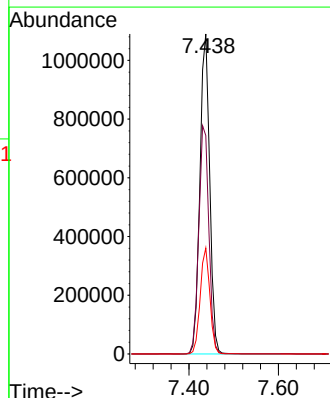
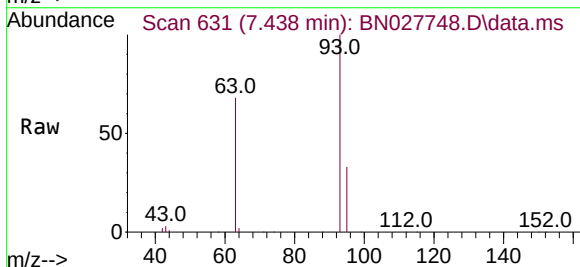
Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.8	23.8
71	33.9	27.3	40.9

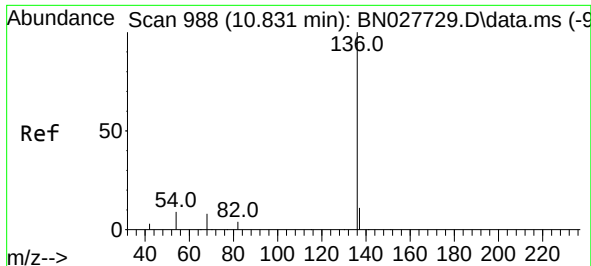


#6
bis(2-Chloroethyl)ether
Concen: 194.108 ng
RT: 7.438 min Scan# 631
Delta R.T. -0.007 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Tgt Ion: 93 Resp: 1658426

Ion	Ratio	Lower	Upper
93	100		
63	73.4	59.3	88.9
95	32.7	26.0	39.0

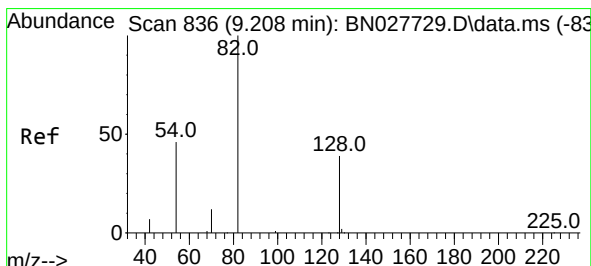
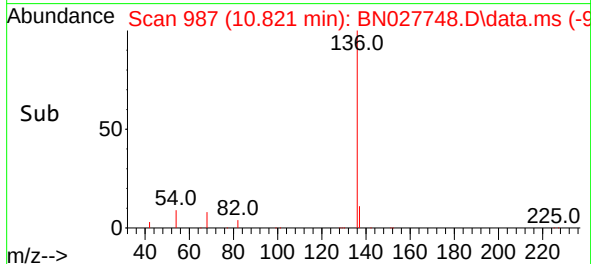
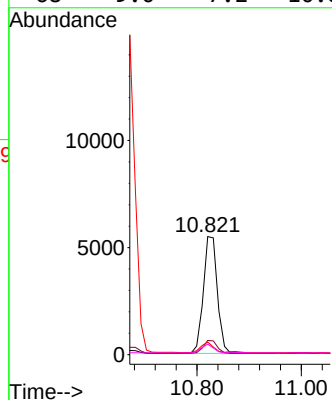
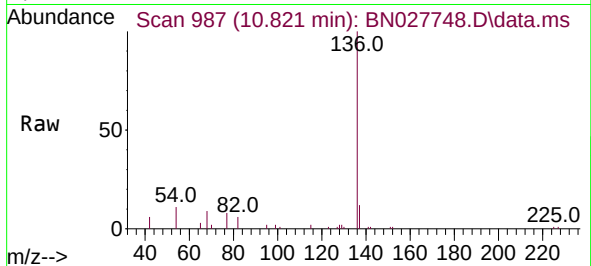




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.821 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

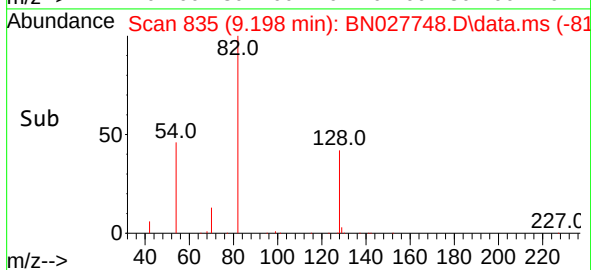
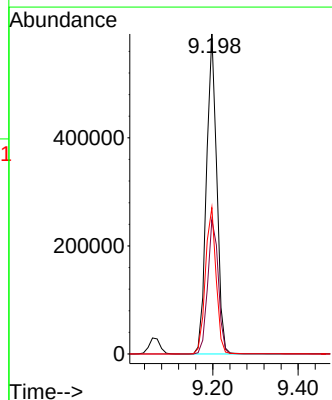
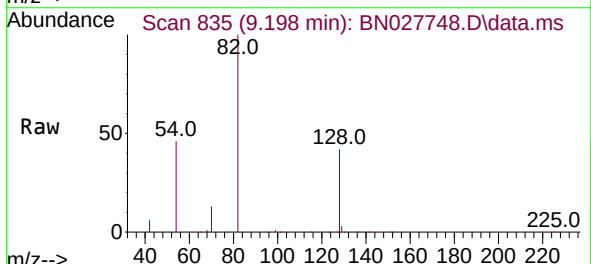
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BNA_N
ClientSampleId :
PT-BN-WP

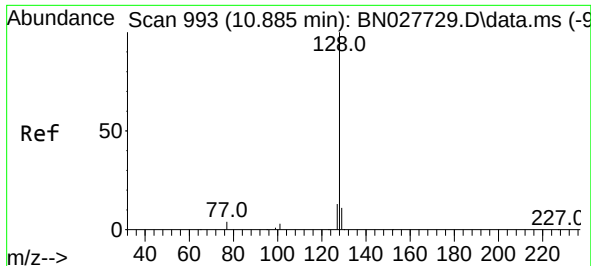
Tgt Ion:136	Resp:	10135
Ion Ratio	Lower	Upper
136	100	
137	12.1	9.8 14.8
54	10.7	7.8 11.6
68	9.0	7.2 10.8



#8
Nitrobenzene-d5
Concen: 120.990 ng
RT: 9.198 min Scan# 835
Delta R.T. -0.011 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Tgt Ion: 82	Resp:	995444
Ion Ratio	Lower	Upper
82	100	
128	42.0	35.1 52.7
54	45.8	35.1 52.7

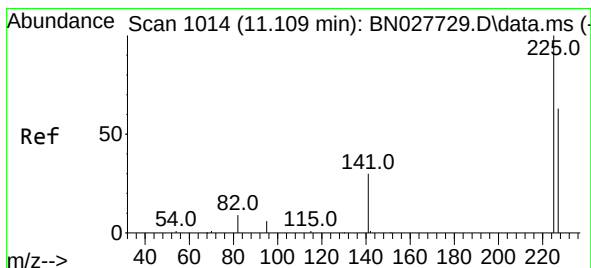
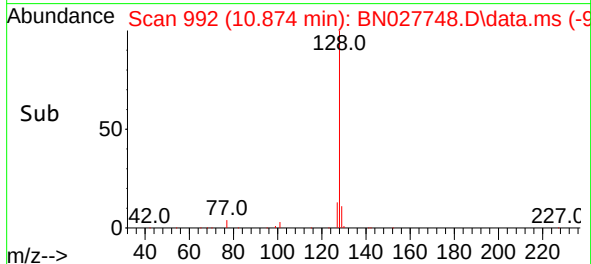
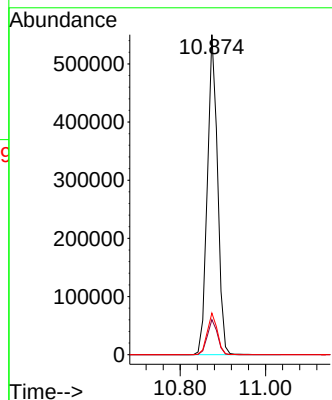
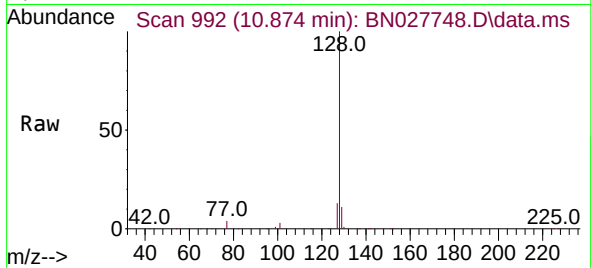




#9
Naphthalene
Concen: 32.578 ng
RT: 10.874 min Scan# 993
Delta R.T. -0.011 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

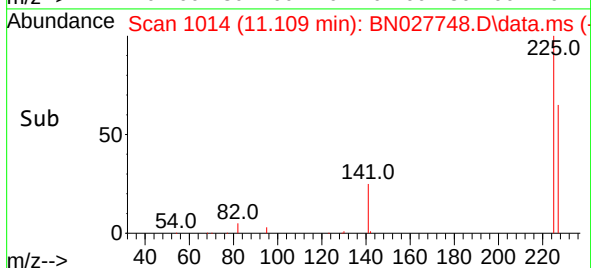
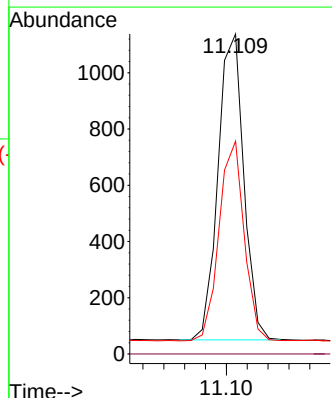
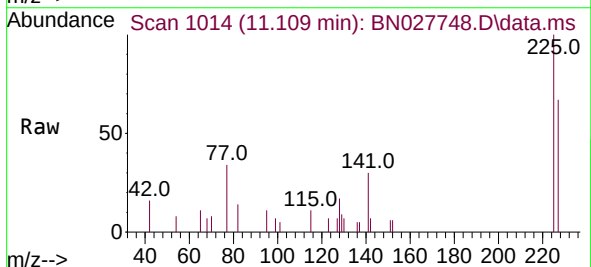
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

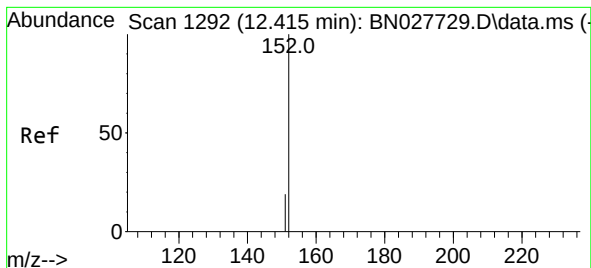
Tgt Ion:128 Resp: 909566
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.0 10.4 15.6



#10
Hexachlorobutadiene
Concen: 0.389 ng
RT: 11.109 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Tgt Ion:225 Resp: 1869
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.5 50.6 76.0

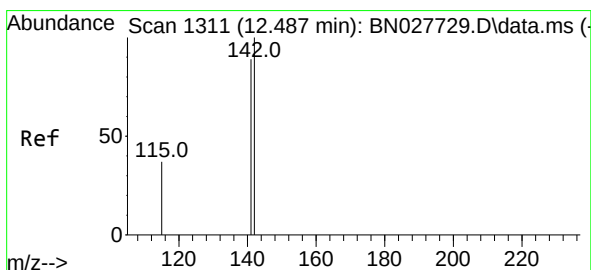
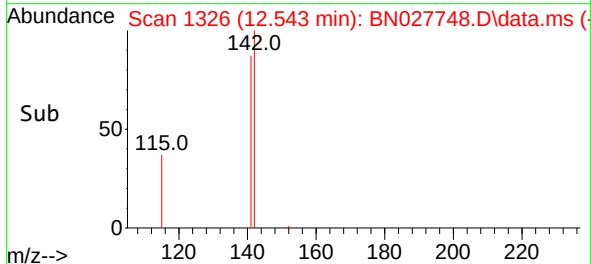
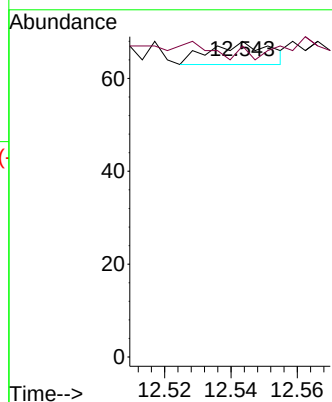
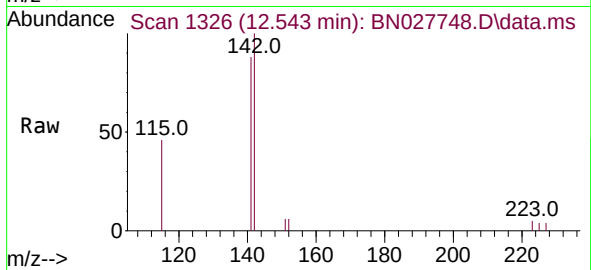




#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.543 min Scan# 11
Delta R.T. 0.132 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

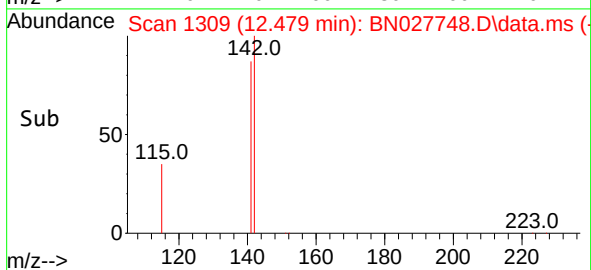
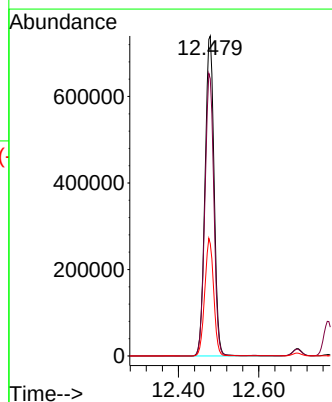
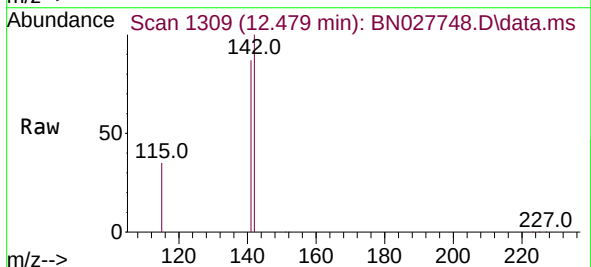
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BNA_N
ClientSampleId :
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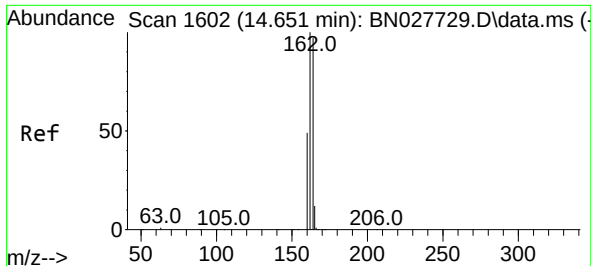
Tgt Ion:152 Resp: 6
Ion Ratio Lower Upper
152 100
151 16.7 16.5 24.7



#12
2-Methylnaphthalene
Concen: 58.909 ng
RT: 12.479 min Scan# 1309
Delta R.T. -0.004 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Tgt Ion:142 Resp: 1152162
Ion Ratio Lower Upper
142 100
141 86.6 70.8 106.2
115 35.1 29.4 44.0

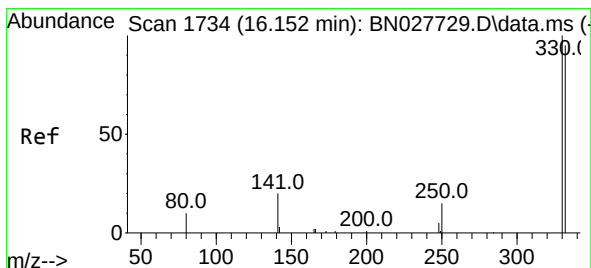
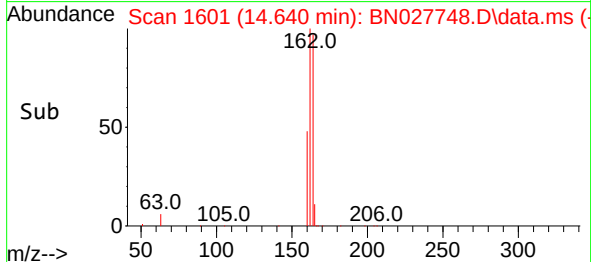
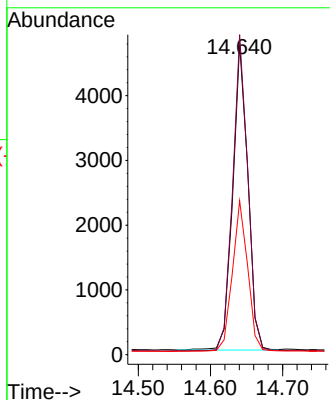
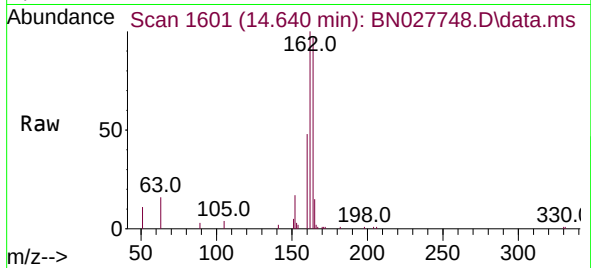




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.640 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

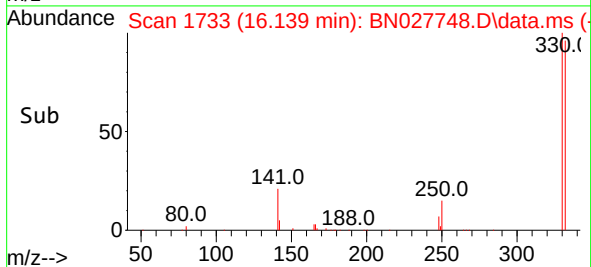
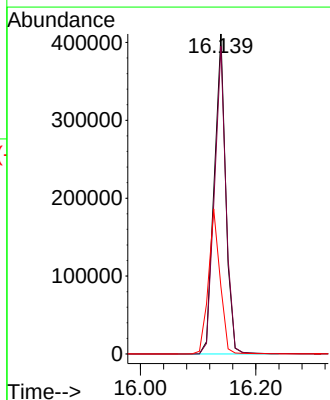
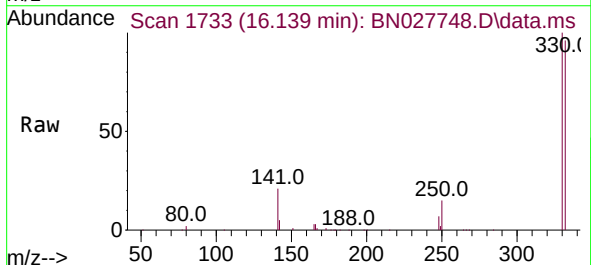
Instrument :
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PT-BN-WP

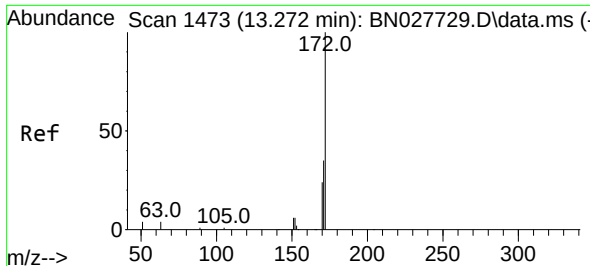
Tgt Ion:164 Resp: 6899
Ion Ratio Lower Upper
164 100
162 102.9 83.4 125.2
160 49.5 41.0 61.4



#14
2,4,6-Tribromophenol
Concen: 176.361 ng
RT: 16.139 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Tgt Ion:330 Resp: 568411
Ion Ratio Lower Upper
330 100
332 96.4 76.6 115.0
141 45.8 38.2 57.2

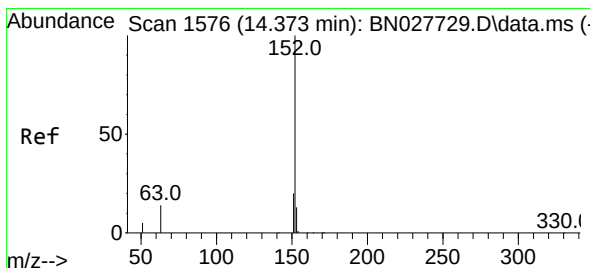
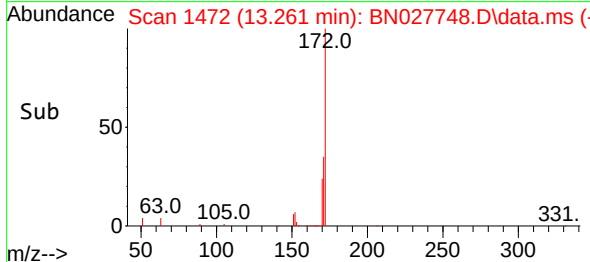
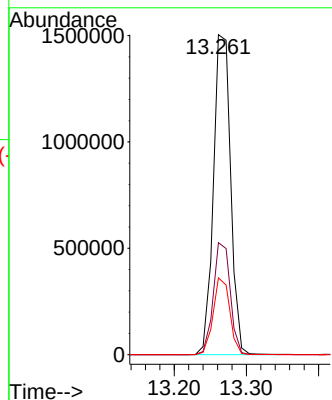
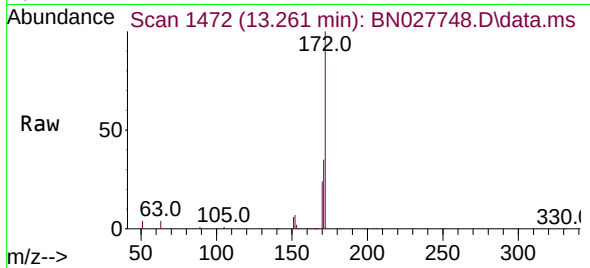




#15
2-Fluorobiphenyl
Concen: 106.218 ng
RT: 13.261 min Scan# 1473
Delta R.T. -0.011 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

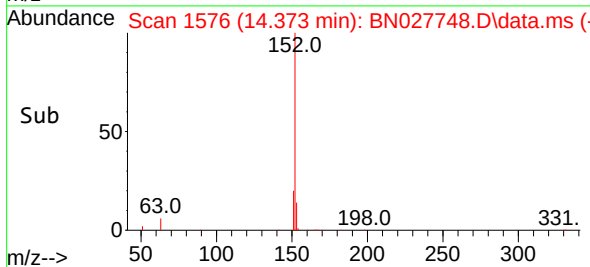
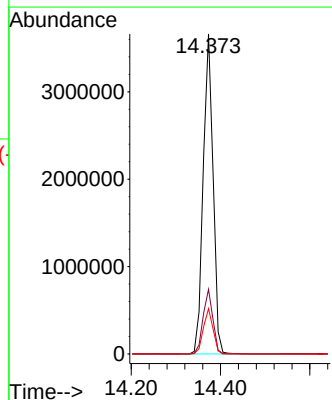
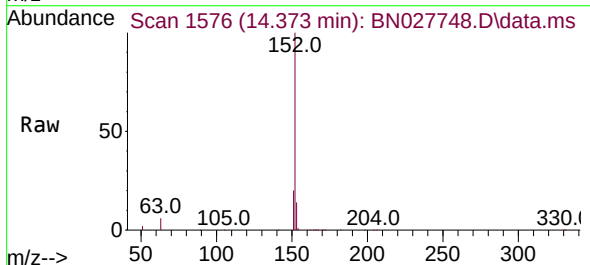
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

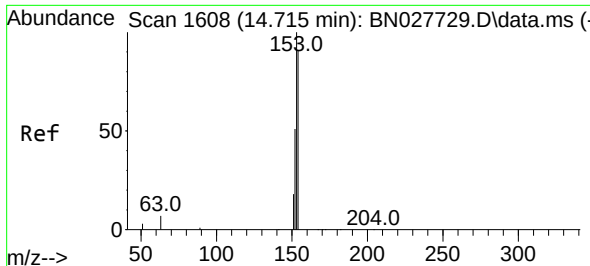
Tgt Ion:172 Resp: 2495922
Ion Ratio Lower Upper
172 100
171 35.0 27.6 41.4
170 24.0 18.7 28.1



#16
Acenaphthylene
Concen: 191.530 ng
RT: 14.373 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Tgt Ion:152 Resp: 5625152
Ion Ratio Lower Upper
152 100
151 20.0 15.6 23.4
153 13.9 10.3 15.5

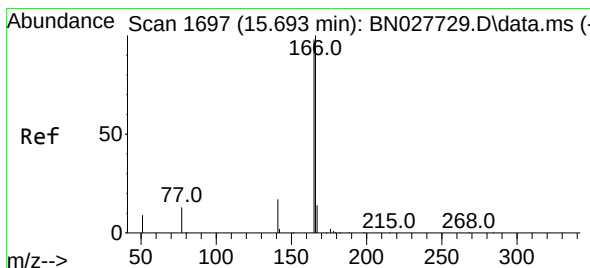
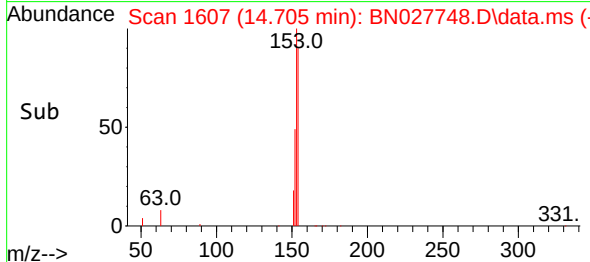
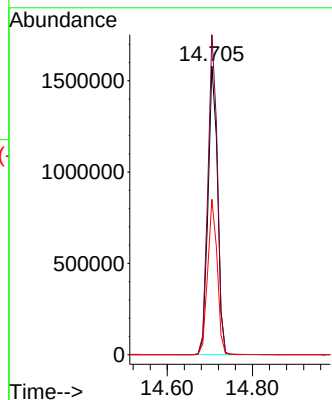
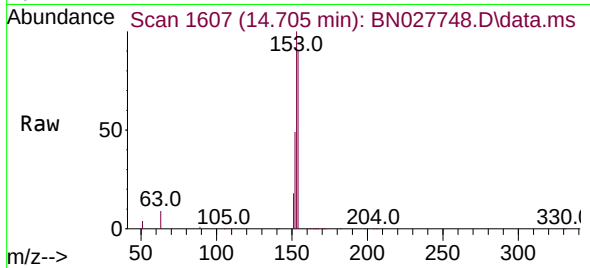




#17
Acenaphthene
Concen: 119.709 ng
RT: 14.705 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

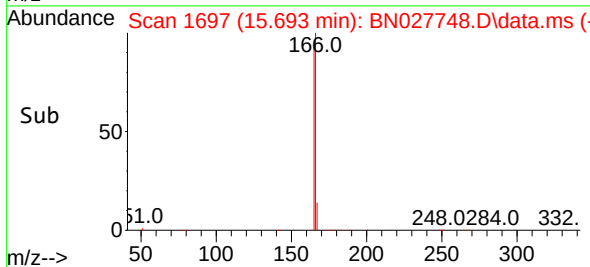
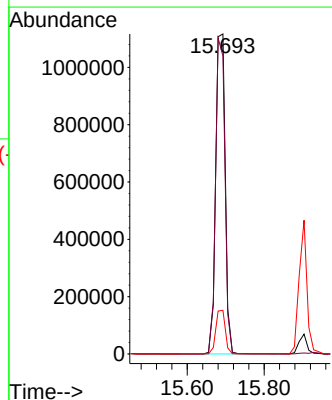
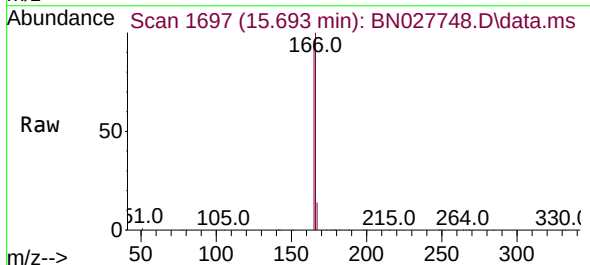
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

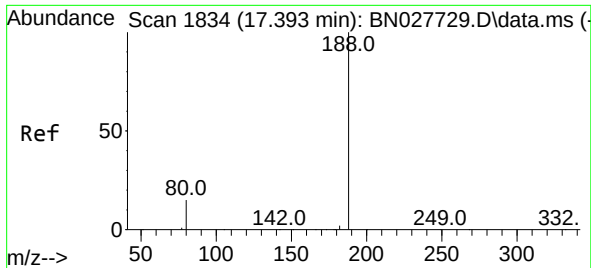
Tgt Ion:154 Resp: 2442275
Ion Ratio Lower Upper
154 100
153 110.6 92.0 138.0
152 53.6 47.0 70.6



#18
Fluorene
Concen: 63.626 ng
RT: 15.693 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Tgt Ion:166 Resp: 1914236
Ion Ratio Lower Upper
166 100
165 96.6 78.4 117.6
167 13.5 10.7 16.1

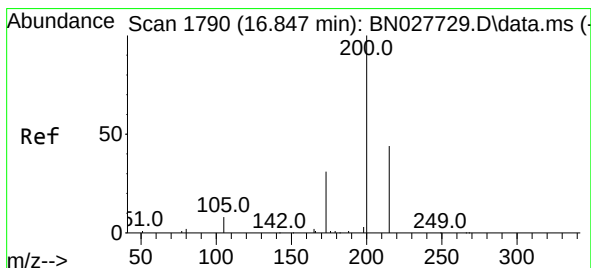
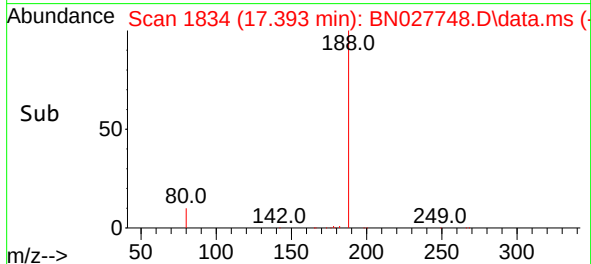
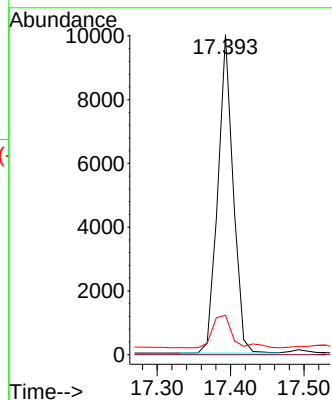
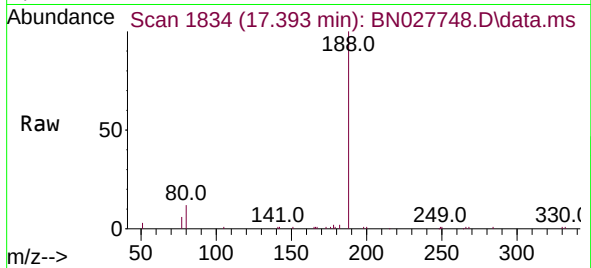




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1834
Delta R.T. 0.000 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

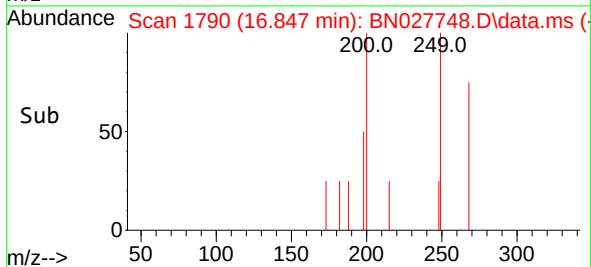
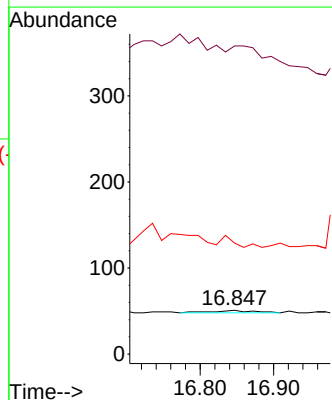
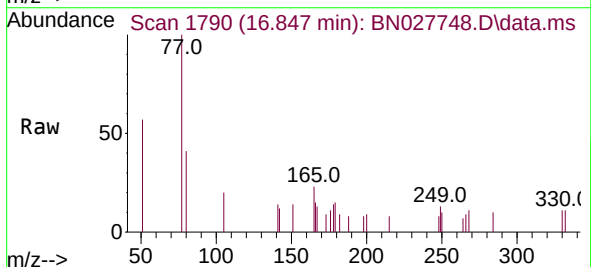
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

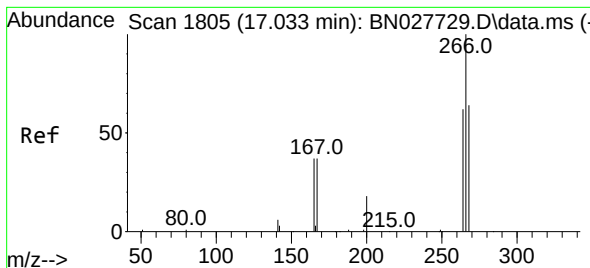
Tgt Ion:188 Resp: 14470
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 9.5 14.3



#20
4,6-Dinitro-2-methylphenol
Concen: 0.045 ng
RT: 16.847 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Tgt Ion:198 Resp: 10
Ion Ratio Lower Upper
198 100
51 702.0 30.0 45.0#
105 252.9 145.9 218.9#





#24

Pentachlorophenol

Concen: 0.021 ng

RT: 17.033 min Scan# 1805

Delta R.T. 0.012 min

Lab File: BN027748.D

Acq: 19 Sep 2023 13:29

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

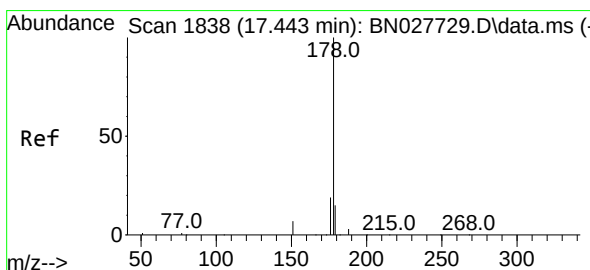
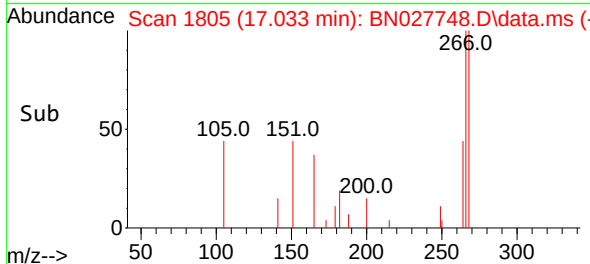
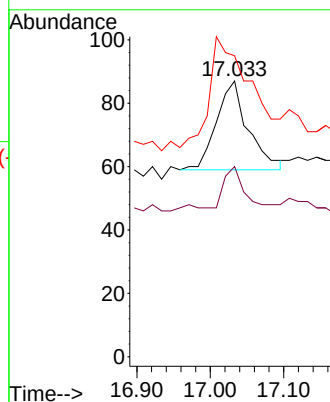
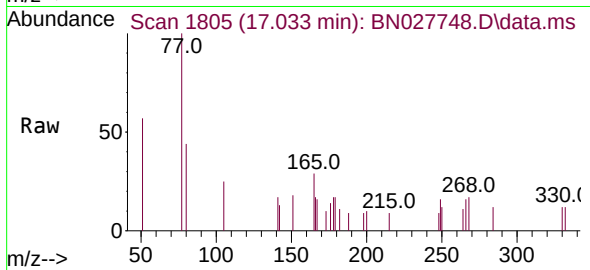
Tgt Ion:266 Resp: 84

Ion Ratio Lower Upper

266 100

264 29.8 50.0 75.0#

268 0.0 50.7 76.1#



#25

Phenanthrene

Concen: 92.275 ng

RT: 17.443 min Scan# 1838

Delta R.T. 0.012 min

Lab File: BN027748.D

Acq: 19 Sep 2023 13:29

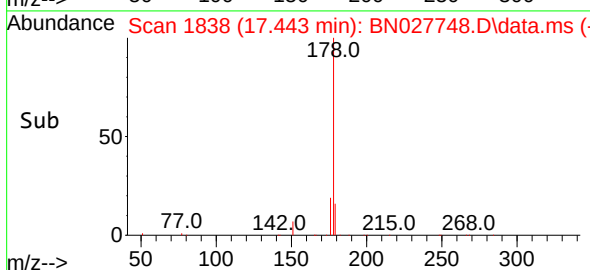
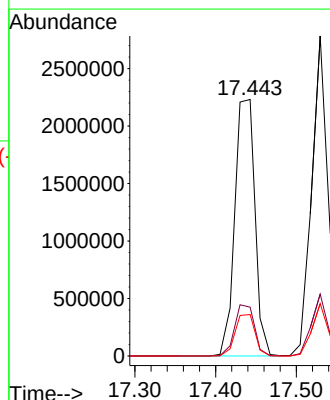
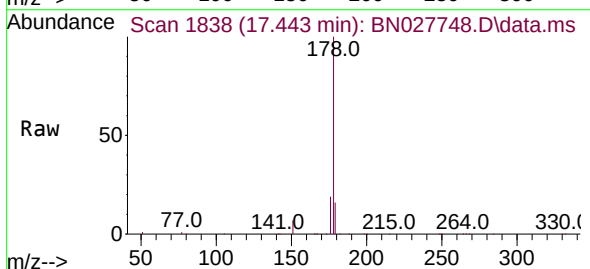
Tgt Ion:178 Resp: 3883928

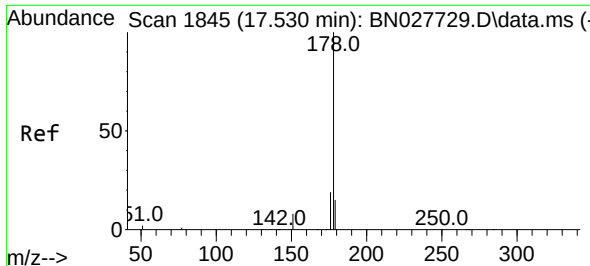
Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

179 15.9 12.2 18.2

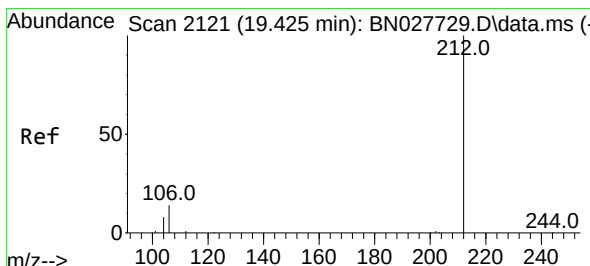
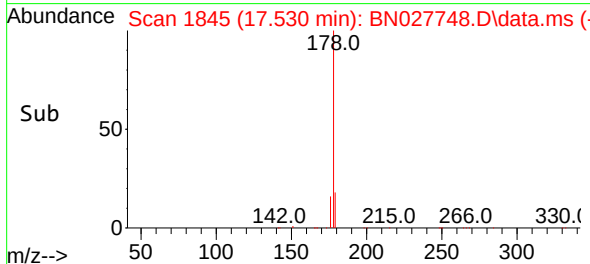
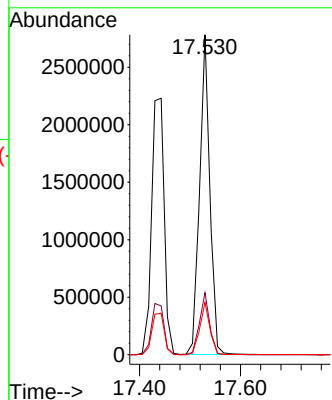
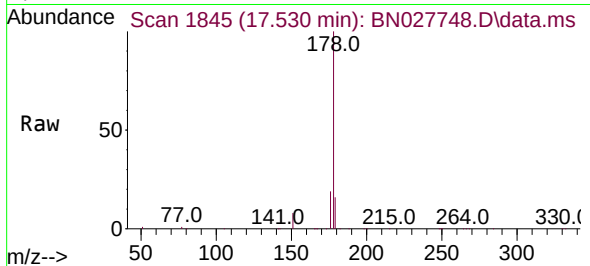




#26
 Anthracene
 Concen: 108.531 ng
 RT: 17.530 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: BN027748.D
 Acq: 19 Sep 2023 13:29

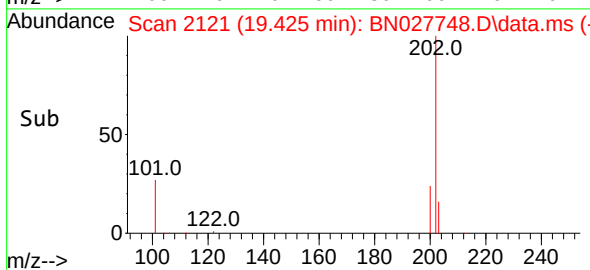
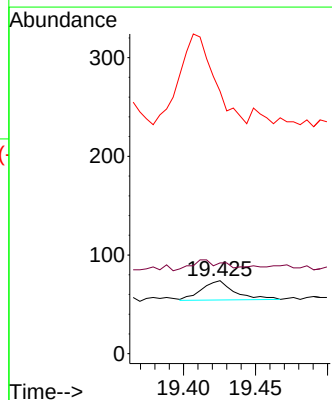
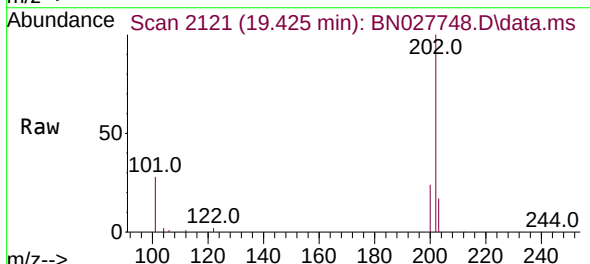
Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

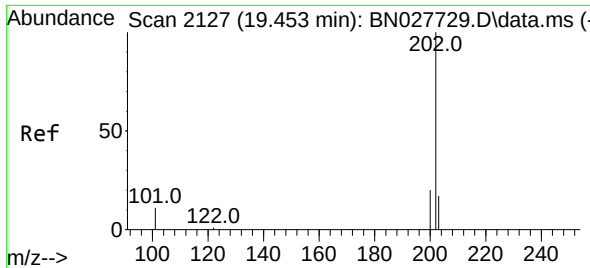
Tgt Ion:178 Resp: 3935577
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.9 22.3
 179 16.1 12.2 18.2



#27
 Fluoranthene-d10
 Concen: 0.001 ng
 RT: 19.425 min Scan# 2121
 Delta R.T. 0.005 min
 Lab File: BN027748.D
 Acq: 19 Sep 2023 13:29

Tgt Ion:212 Resp: 31
 Ion Ratio Lower Upper
 212 100
 106 54.8 11.9 17.9#
 104 503.2 6.7 10.1#

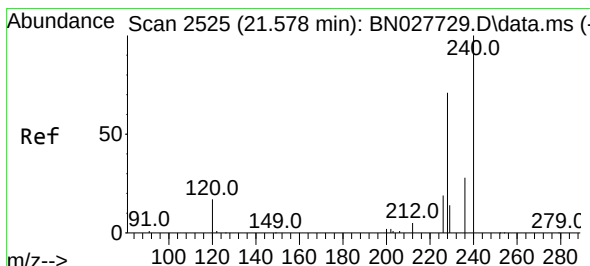
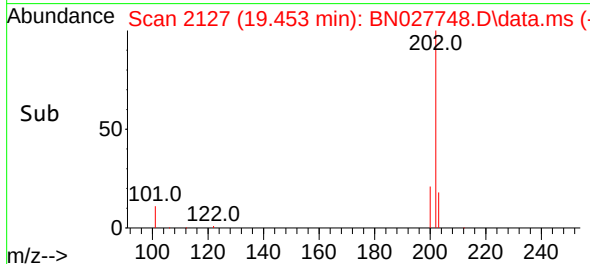
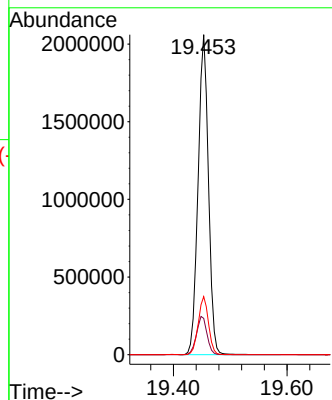
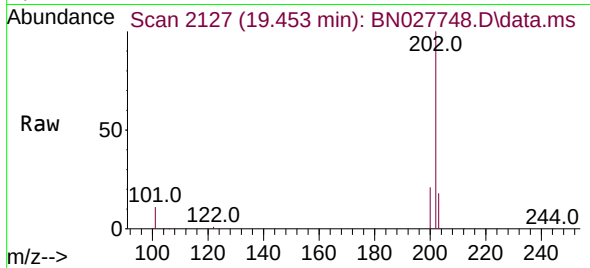




#28
Fluoranthene
Concen: 47.180 ng
RT: 19.453 min Scan# 2127
Delta R.T. 0.005 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

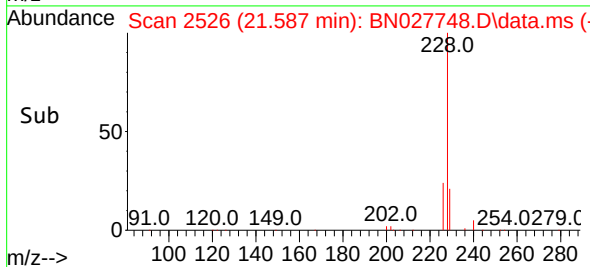
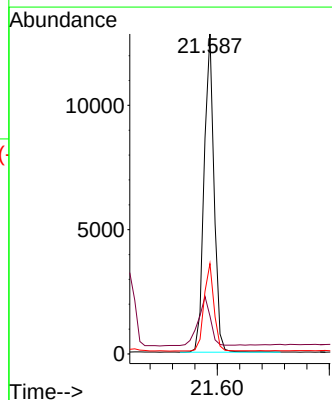
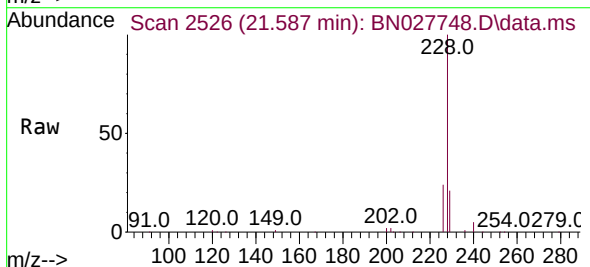
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

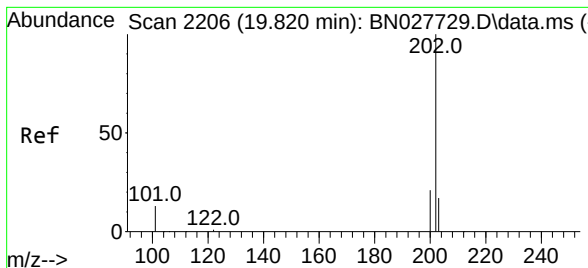
Tgt Ion:202 Resp: 2600884
Ion Ratio Lower Upper
202 100
101 12.1 9.5 14.3
203 17.9 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.587 min Scan# 2526
Delta R.T. 0.009 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Tgt Ion:240 Resp: 15787
Ion Ratio Lower Upper
240 100
120 11.8 10.7 16.1
236 28.2 22.4 33.6





#30

Pyrene

Concen: 79.386 ng

RT: 19.820 min Scan# 21

Delta R.T. 0.005 min

Lab File: BN027748.D

Acq: 19 Sep 2023 13:29

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

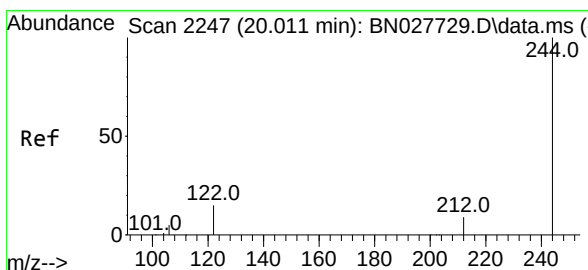
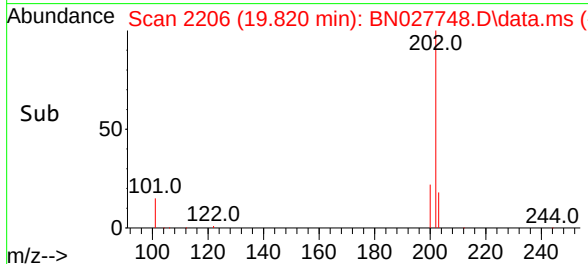
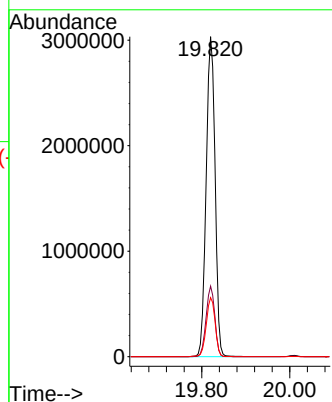
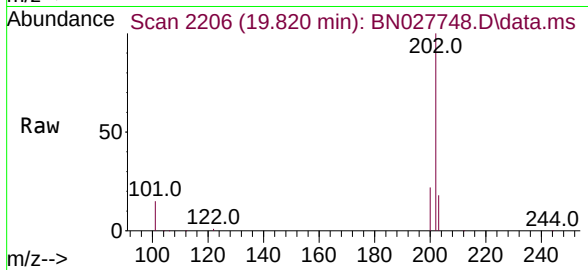
Tgt Ion:202 Resp: 4274381

Ion Ratio Lower Upper

202 100

200 21.5 16.8 25.2

203 18.4 14.2 21.4



#31

Terphenyl-d14

Concen: 107.996 ng

RT: 20.011 min Scan# 2247

Delta R.T. 0.005 min

Lab File: BN027748.D

Acq: 19 Sep 2023 13:29

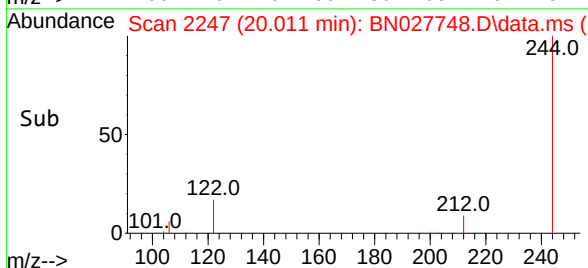
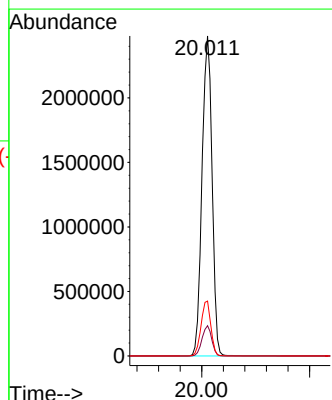
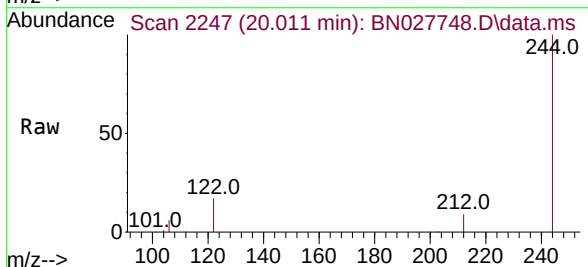
Tgt Ion:244 Resp: 3200795

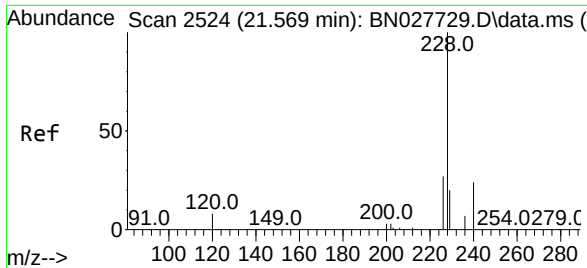
Ion Ratio Lower Upper

244 100

212 9.5 7.0 10.4

122 17.2 12.7 19.1

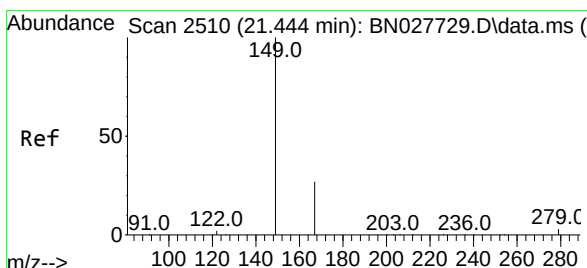
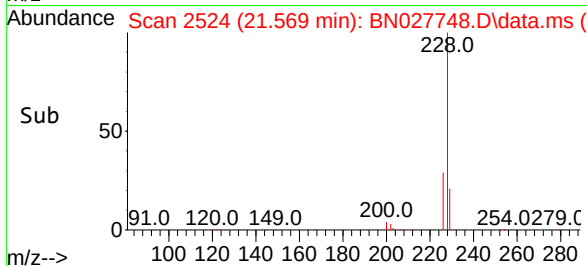
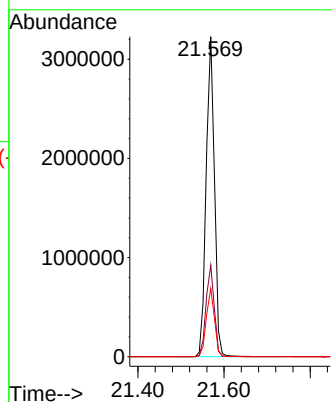
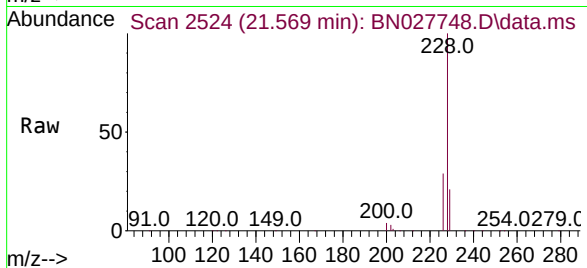




#32
Benzo(a)anthracene
Concen: 76.940 ng
RT: 21.569 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

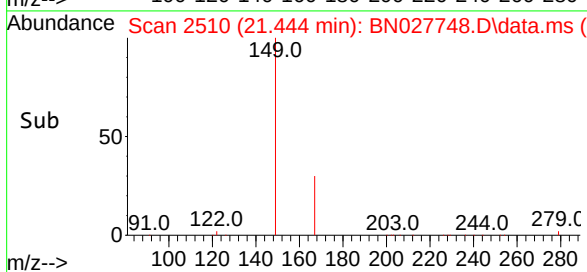
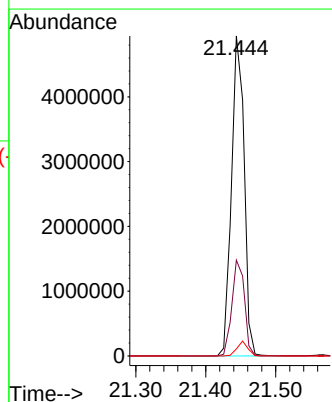
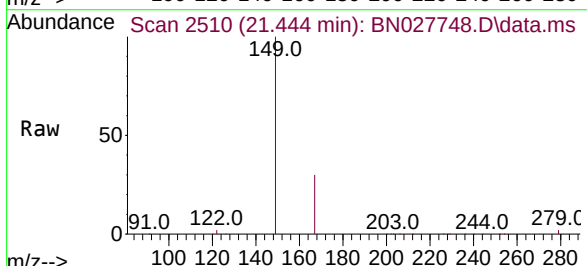
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

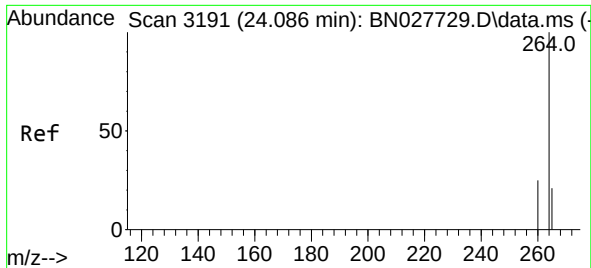
Tgt Ion:228 Resp: 4343385
Ion Ratio Lower Upper
228 100
226 28.6 21.4 32.0
229 21.4 15.8 23.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 234.213 ng
RT: 21.444 min Scan# 2510
Delta R.T. 0.009 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Tgt Ion:149 Resp: 6224629
Ion Ratio Lower Upper
149 100
167 29.7 21.5 32.3
279 3.9 2.3 3.5#



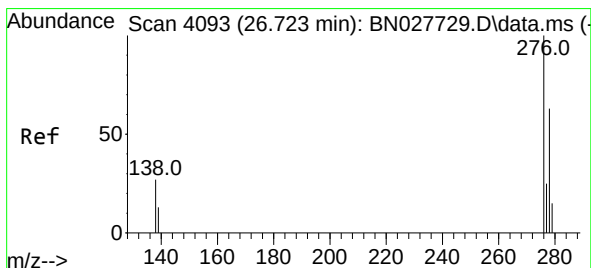
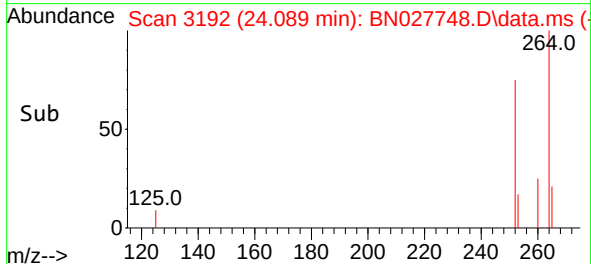
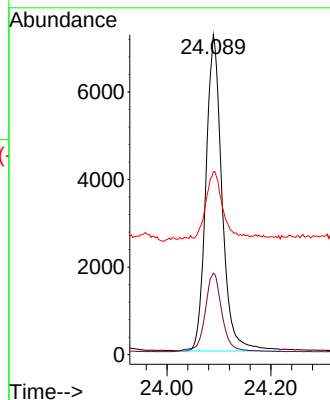
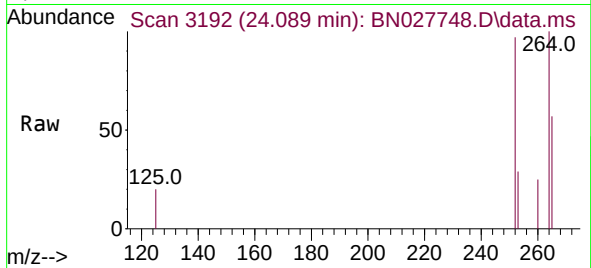


#35
Perylene-d12

Concen: 0.400 ng
RT: 24.089 min Scan# 31
Delta R.T. 0.018 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

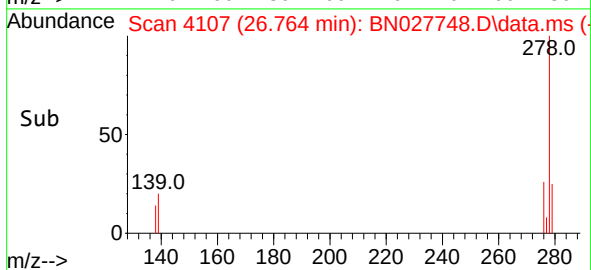
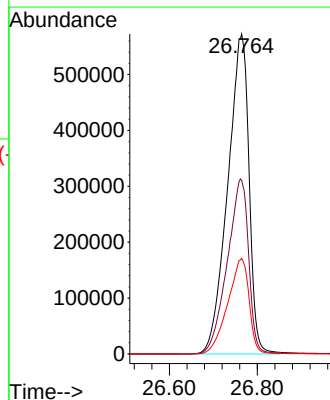
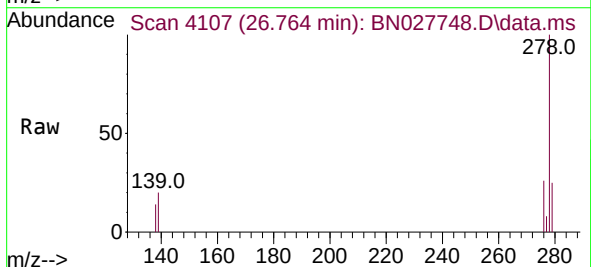
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

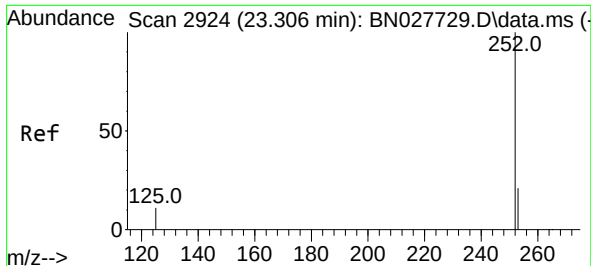
Tgt Ion:264 Resp: 15549
Ion Ratio Lower Upper
264 100
260 25.5 20.9 31.3
265 57.2 56.6 85.0



#36
Indeno(1,2,3-cd)pyrene
Concen: 27.382 ng
RT: 26.764 min Scan# 4107
Delta R.T. 0.070 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Tgt Ion:276 Resp: 1924390
Ion Ratio Lower Upper
276 100
138 54.7 23.4 35.0#
277 29.9 19.9 29.9#

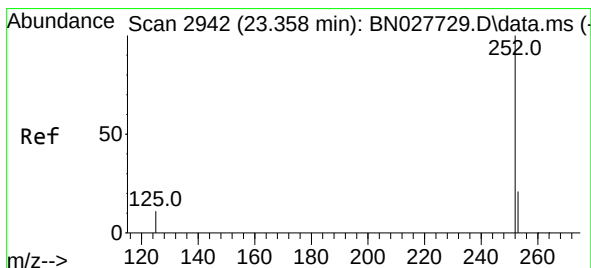
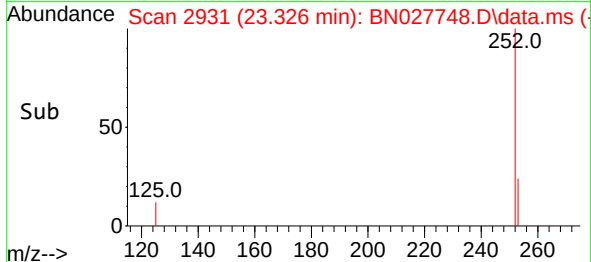
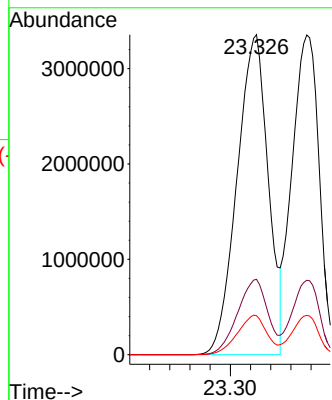
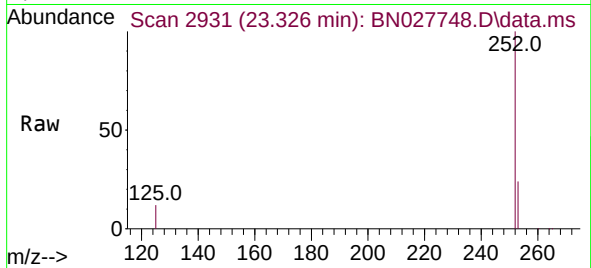




#37
Benzo(b)fluoranthene
Concen: 124.759 ng
RT: 23.326 min Scan# 2931
Delta R.T. 0.029 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

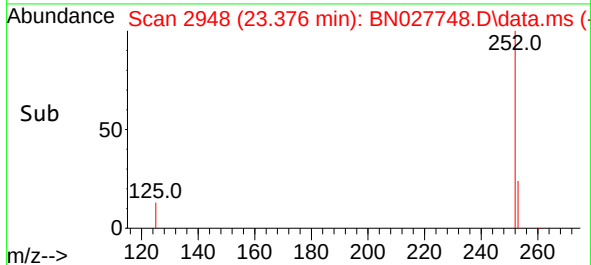
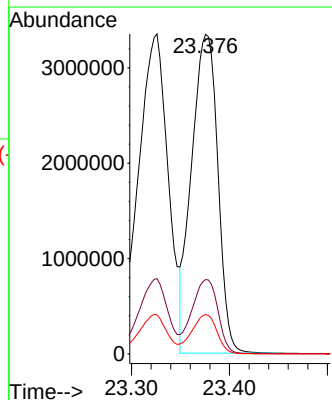
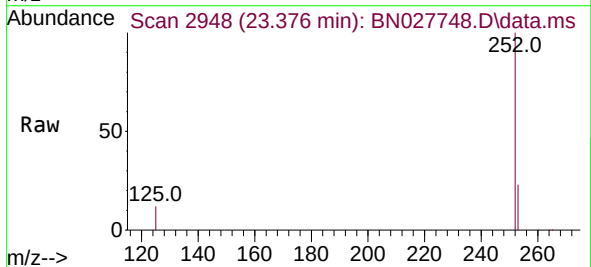
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

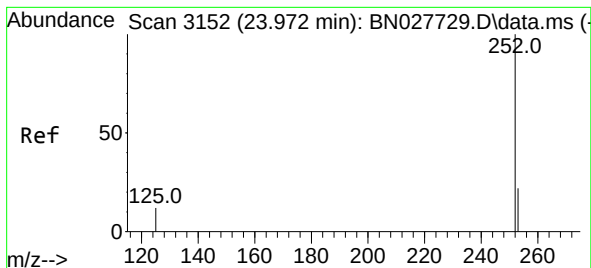
Tgt Ion:252 Resp: 7201285
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 12.2 9.2 13.8



#38
Benzo(k)fluoranthene
Concen: 105.958 ng
RT: 23.376 min Scan# 2948
Delta R.T. 0.029 min
Lab File: BN027748.D
Acq: 19 Sep 2023 13:29

Tgt Ion:252 Resp: 6236328
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 12.3 9.3 13.9





#39

Benzo(a)pyrene

Concen: 133.869 ng

RT: 23.990 min Scan# 31

Delta R.T. 0.032 min

Lab File: BN027748.D

Acq: 19 Sep 2023 13:29

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

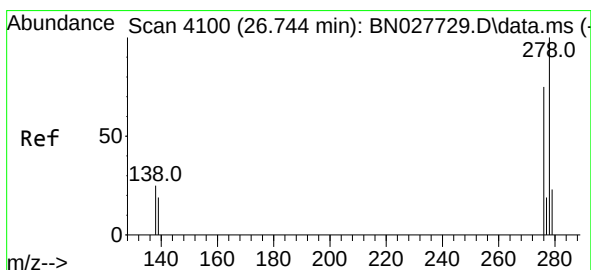
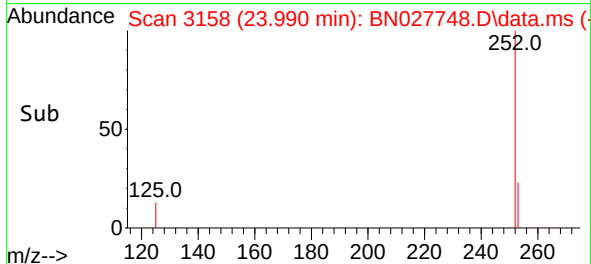
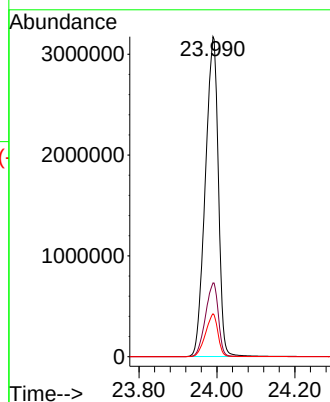
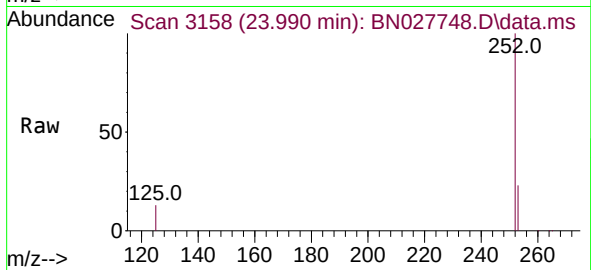
Tgt Ion:252 Resp: 7342856

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 13.4 10.2 15.4



#40

Dibenzo(a,h)anthracene

Concen: 133.277 ng

RT: 26.764 min Scan# 4107

Delta R.T. 0.044 min

Lab File: BN027748.D

Acq: 19 Sep 2023 13:29

Tgt Ion:278 Resp: 7660664

Ion Ratio Lower Upper

278 100

139 19.8 15.4 23.2

279 24.8 19.0 28.6

