

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033558.D
 Acq On : 22 Aug 2024 18:19
 Operator : MA/JU
 Sample : P3663-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 919-J-SD-0.5-1-081624

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024

Quant Time: Aug 23 00:02:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	7795	0.400	ng	-0.01
7) Naphthalene-d8	10.304	136	19738	0.400	ng	-0.01
13) Acenaphthene-d10	14.178	164	9172	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	18185	0.400	ng	-0.01
29) Chrysene-d12	21.139	240	16263	0.400	ng	0.00
35) Perylene-d12	23.309	264	17555	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	2817	0.114	ng	0.00
5) Phenol-d6	6.729	99	3316	0.113	ng	-0.01
8) Nitrobenzene-d5	8.681	82	1951	0.119	ng	-0.01
11) 2-Methylnaphthalene-d10	11.903	152	2806	0.099	ng	-0.01
14) 2,4,6-Tribromophenol	15.676	330	524	0.106	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	3539	0.094	ng	-0.01
27) Fluoranthene-d10	18.975	212	3060	0.070	ng	0.00
31) Terphenyl-d14	19.588	244	1915	0.052	ng	0.00
Target Compounds						
16) Acenaphthylene	13.900	152	1393	0.035	ng	# 89
17) Acenaphthene	14.242	154	2816	0.100	ng	97
18) Fluorene	15.236	166	4754	0.133	ng	99
25) Phenanthrene	16.967	178	146697	2.900	ng	100
26) Anthracene	17.066	178	9938	0.222	ng	# 93
28) Fluoranthene	19.003	202	454802	8.135	ng	100
30) Pyrene	19.365	202	360843	4.971	ng	# 96
32) Benzo(a)anthracene	21.122	228	160074	2.722	ng	98
33) Chrysene	21.175	228	225834	3.864	ng	98
34) Bis(2-ethylhexyl)phtha...	21.086	149	4454m	0.120	ng	
36) Indeno(1,2,3-cd)pyrene	25.458	276	163744	2.247	ng	94
37) Benzo(b)fluoranthene	22.669	252	331102	5.051	ng	# 93
38) Benzo(k)fluoranthene	22.707	252	116339m	1.803	ng	
39) Benzo(a)pyrene	23.215	252	185629m	3.422	ng	
40) Dibenzo(a,h)anthracene	25.469	278	34074	0.585	ng	97
41) Benzo(g,h,i)perylene	26.113	276	165082	2.649	ng	99

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

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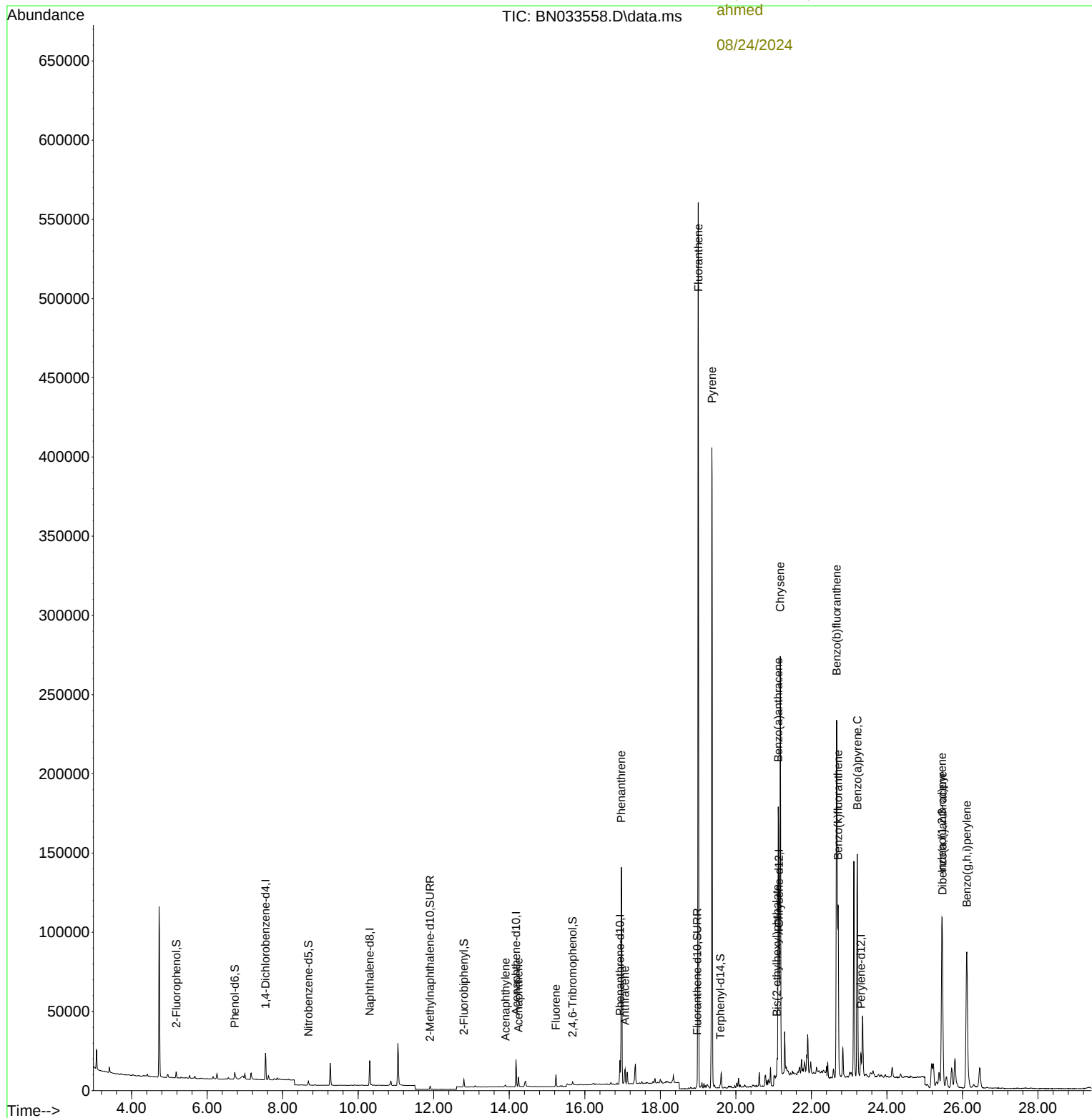
Quant Time: Aug 23 00:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
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ahmed

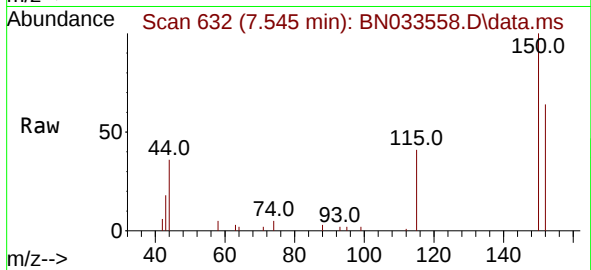
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#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.014 min
Lab File: BN033558.D
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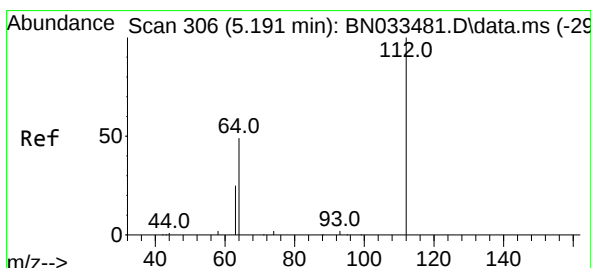
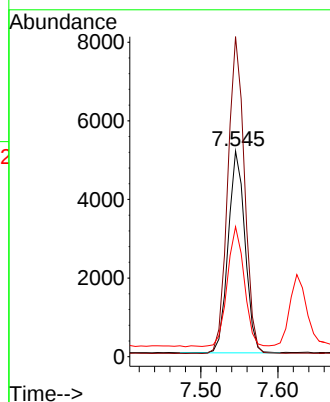
Tgt Ion:152 Resp: 779
Ion Ratio Lower Upper
152 100
150 155.6 122.2 183.2
115 63.2 47.2 70.8

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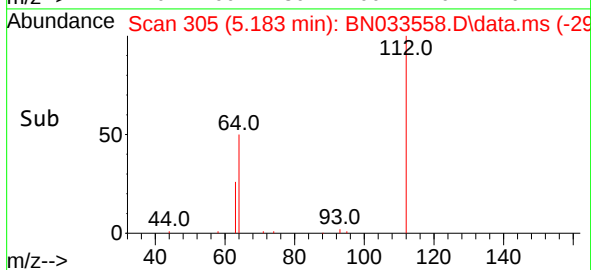
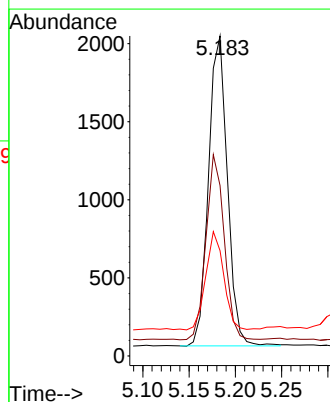
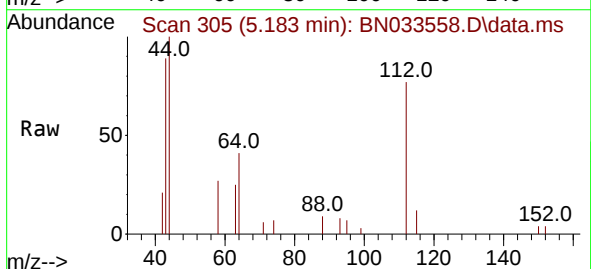
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#4
2-Fluorophenol
Concen: 0.114 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

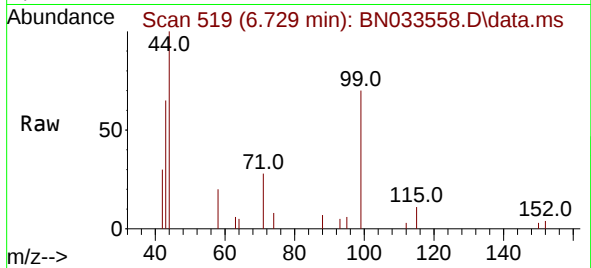
Tgt Ion:112 Resp: 2817
Ion Ratio Lower Upper
112 100
64 57.6 47.1 70.7
63 29.6 24.9 37.3





#5
Phenol-d6
Concen: 0.113 ng
RT: 6.729 min Scan# 519
Delta R.T. -0.014 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

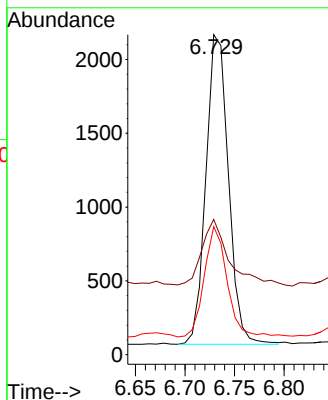
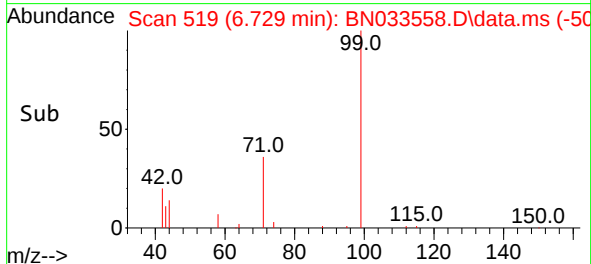
Instrument :
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Tgt Ion: 99 Resp: 3310
Ion Ratio Lower Upper
99 100
42 24.9 16.6 24.8
71 36.4 26.2 39.4

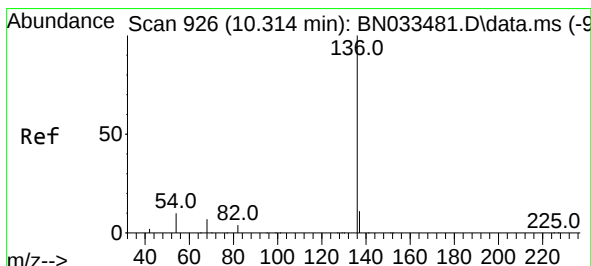
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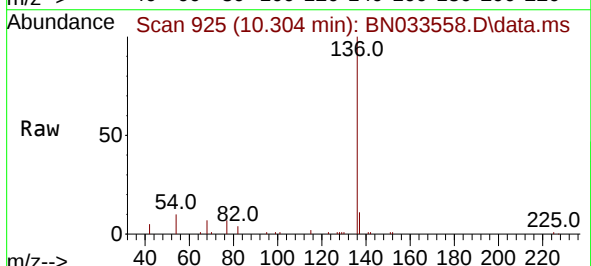


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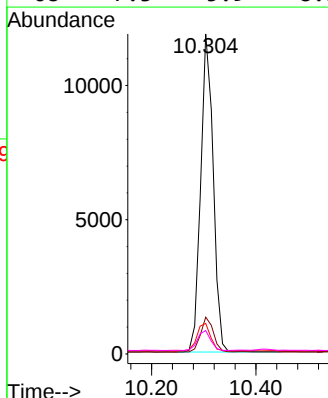
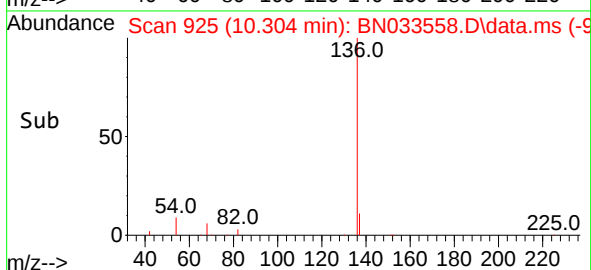
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.011 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19



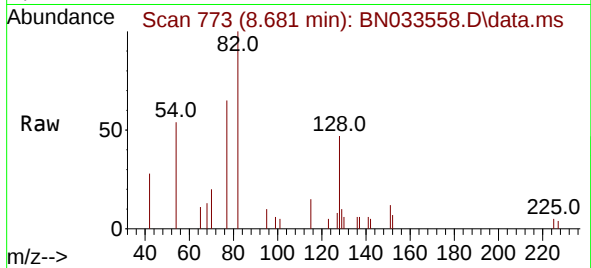
Tgt Ion:136 Resp: 19738
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 9.5 8.3 12.5
68 7.3 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.119 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624



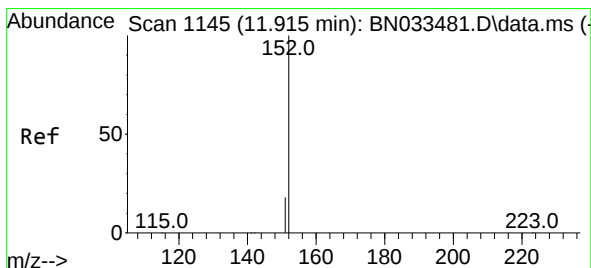
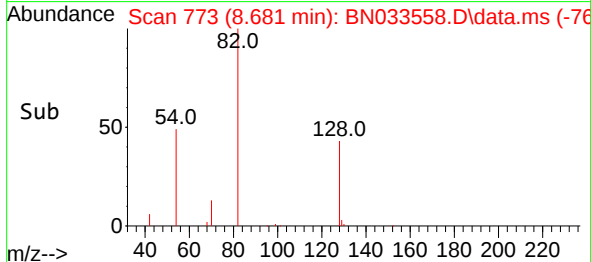
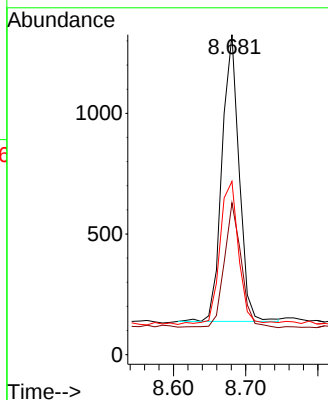
Tgt Ion: 82 Resp: 195
Ion Ratio Lower Upper
82 100
128 47.4 36.0 54.0
54 54.1 42.0 63.0

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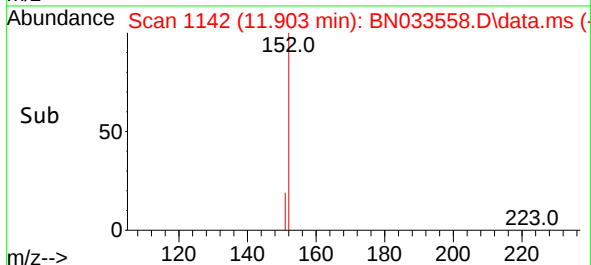
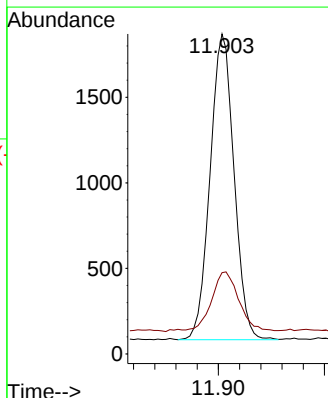
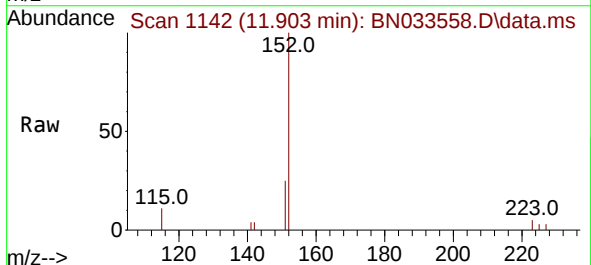
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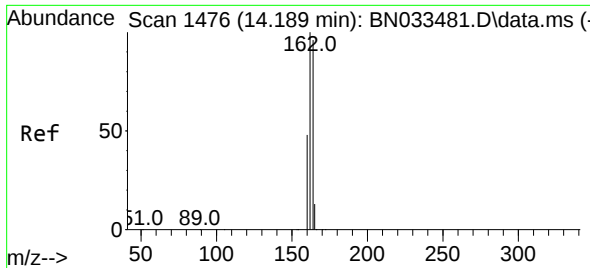
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#11
2-Methylnaphthalene-d10
Concen: 0.099 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.011 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

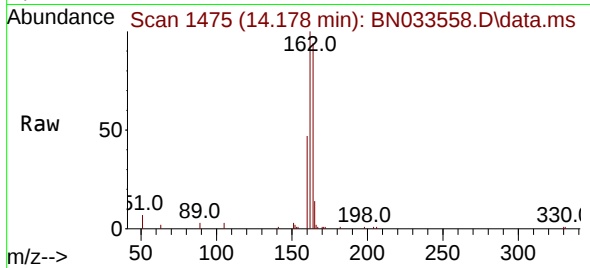
Tgt Ion:152 Resp: 2806
Ion Ratio Lower Upper
152 100
151 21.3 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.011 min
Lab File: BN033558.D
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Instrument :
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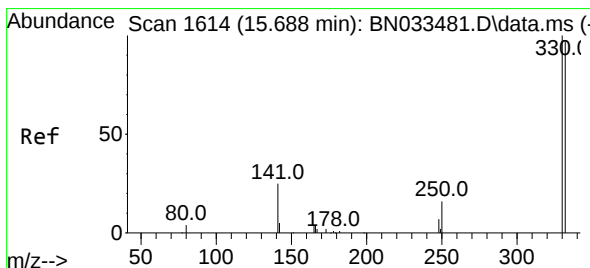
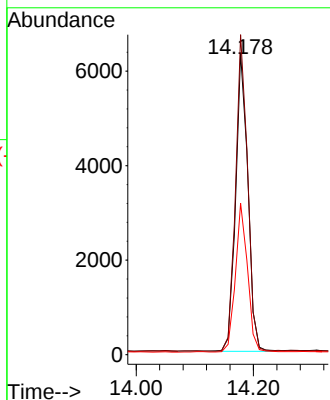
Tgt Ion:164 Resp: 917
Ion Ratio Lower Upper
164 100
162 106.2 83.5 125.3
160 50.3 40.2 60.4

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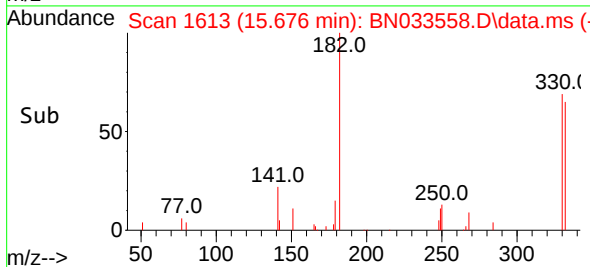
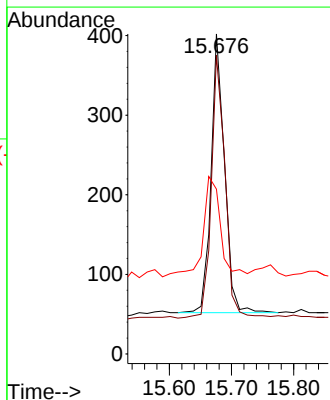
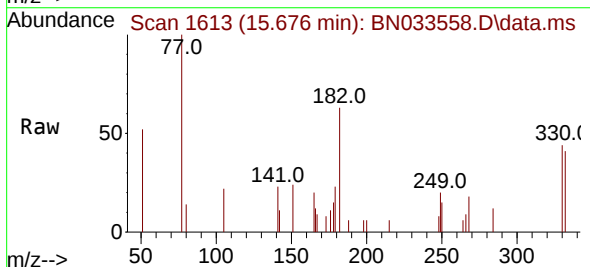
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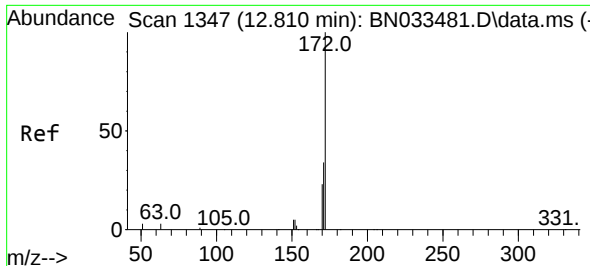
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#14
2,4,6-Tribromophenol
Concen: 0.106 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

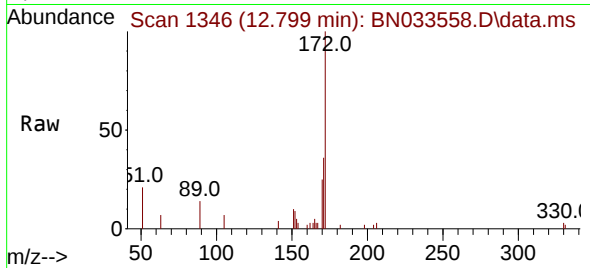
Tgt Ion:330 Resp: 524
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 40.6 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.094 ng
RT: 12.799 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Instrument :
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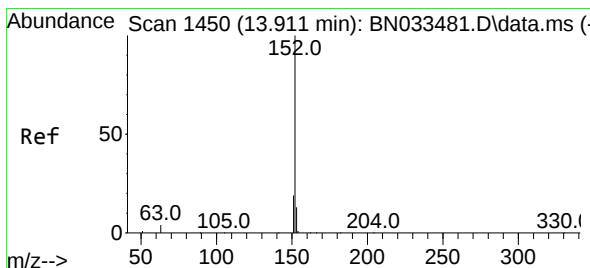
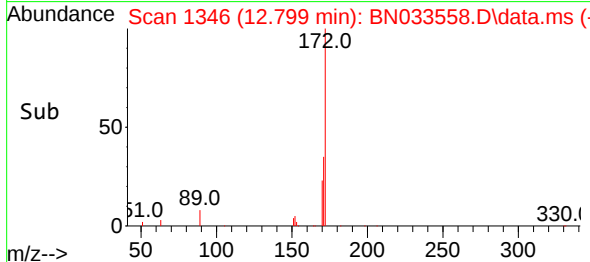
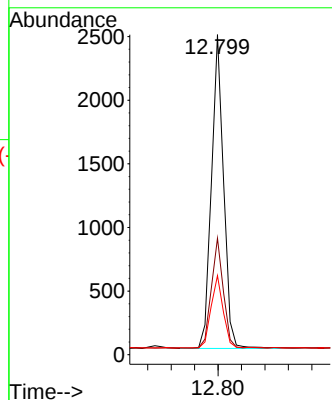
Tgt Ion:172 Resp: 3539
Ion Ratio Lower Upper
172 100
171 36.4 27.7 41.5
170 24.7 18.3 27.5

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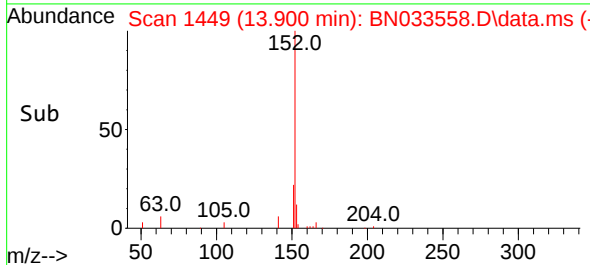
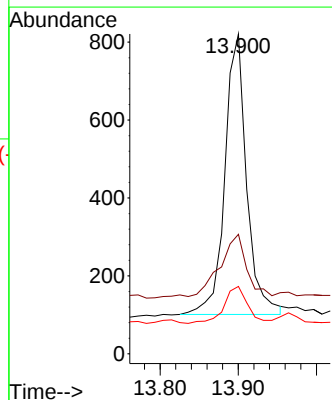
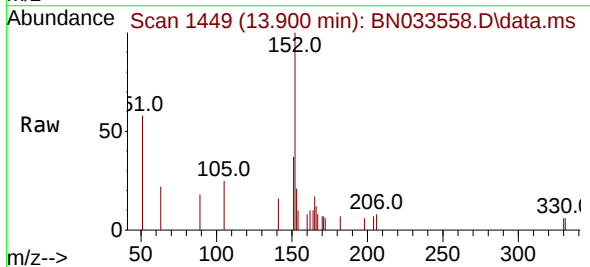
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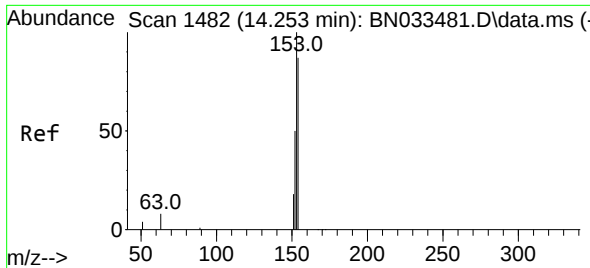
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#16
Acenaphthylene
Concen: 0.035 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

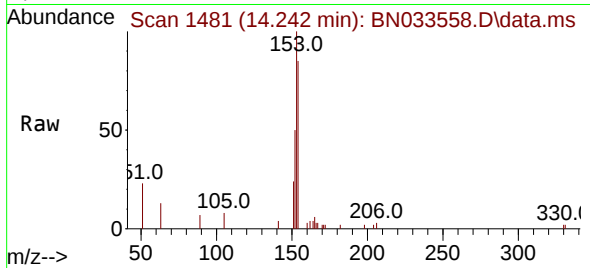
Tgt Ion:152 Resp: 1393
Ion Ratio Lower Upper
152 100
151 26.6 15.7 23.5#
153 14.2 10.3 15.5





#17
Acenaphthene
Concen: 0.100 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033558.D
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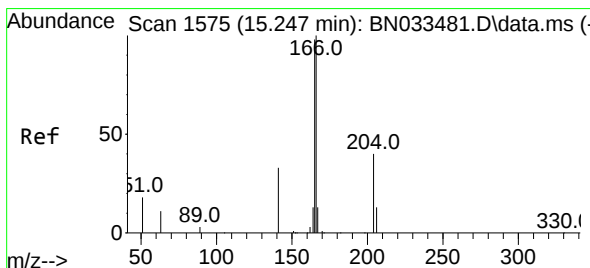
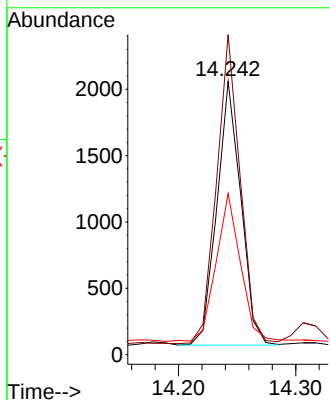
Tgt Ion:154 Resp: 2810
Ion Ratio Lower Upper
154 100
153 115.0 89.0 133.6
152 57.2 45.2 67.8

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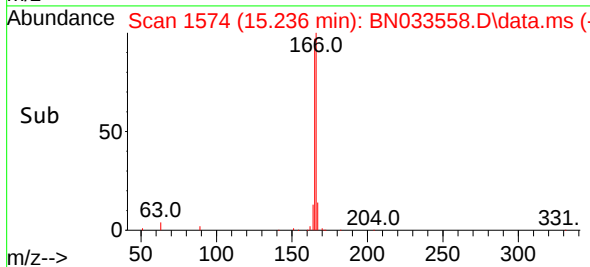
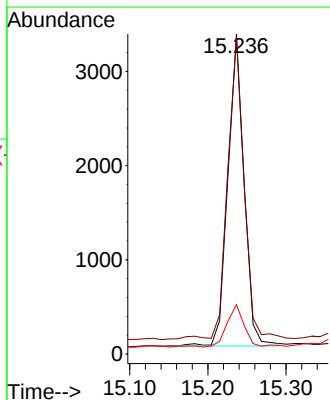
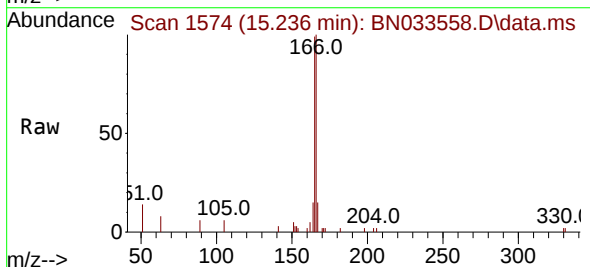
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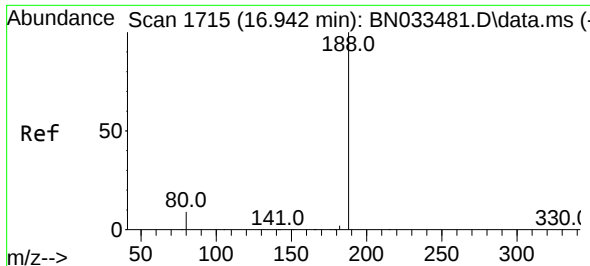
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#18
Fluorene
Concen: 0.133 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Tgt Ion:166 Resp: 4754
Ion Ratio Lower Upper
166 100
165 97.3 78.2 117.4
167 14.6 10.6 16.0





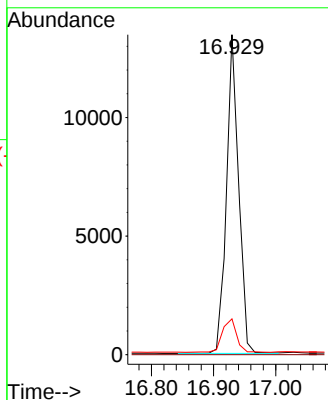
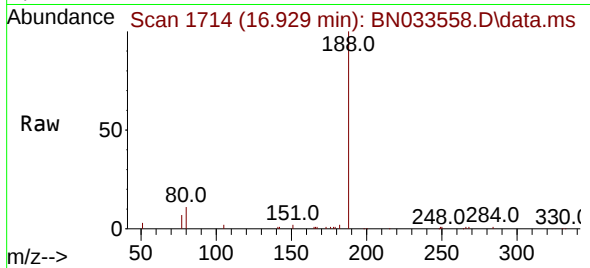
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Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

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Tgt Ion:188 Resp: 1818
Ion Ratio Lower Upper
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94 0.0 0.0 0.0
80 11.2 7.8 11.8

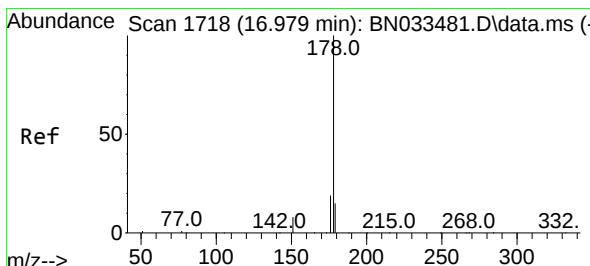
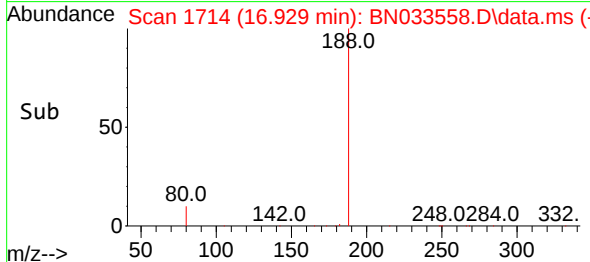
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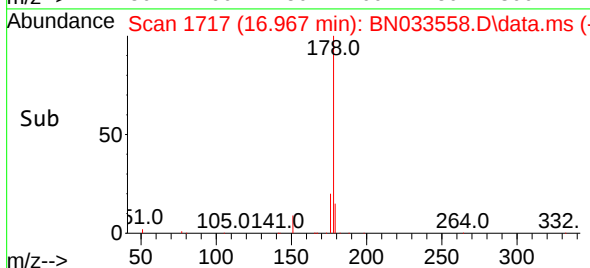
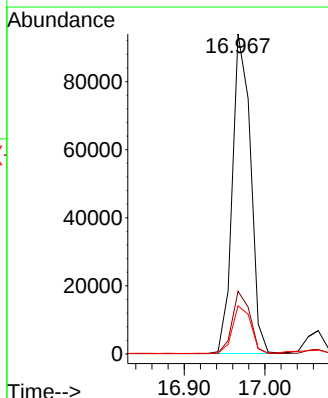
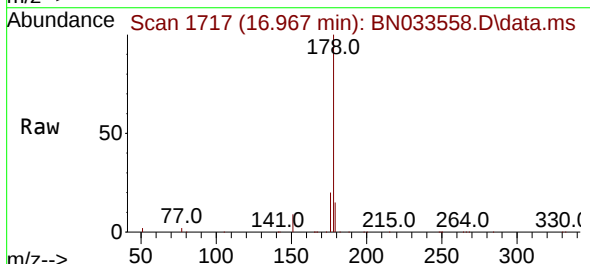
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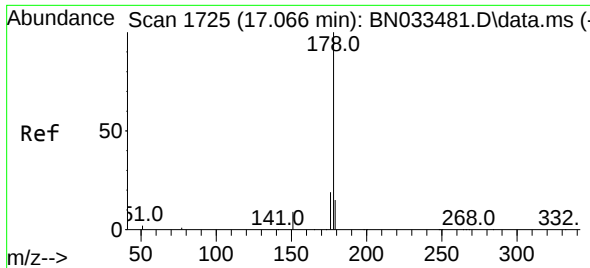
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#25
Phenanthrene
Concen: 2.900 ng
RT: 16.967 min Scan# 1717
Delta R.T. -0.012 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

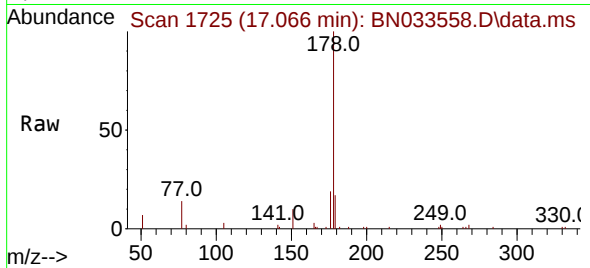
Tgt Ion:178 Resp: 146697
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.1 12.3 18.5





#26
 Anthracene
 Concen: 0.222 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. 0.000 min
 Lab File: BN033558.D
 Acq: 22 Aug 2024 18:19

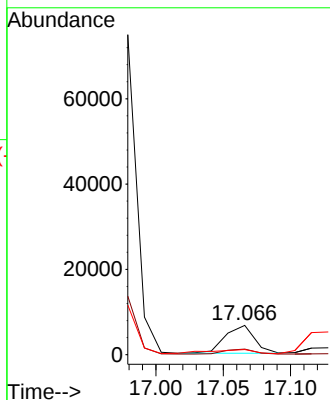
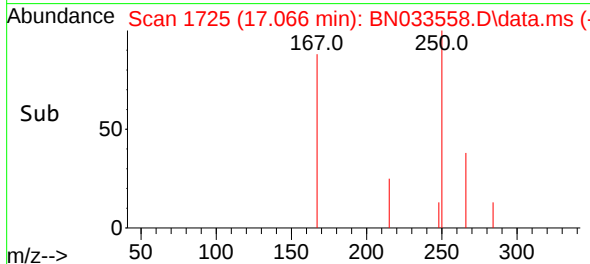
Instrument :
 BNA_N
 ClientSampleId :
 919-J-SD-0.5-1-081624



Tgt Ion:178 Resp: 9938
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 21.7 12.4 18.6

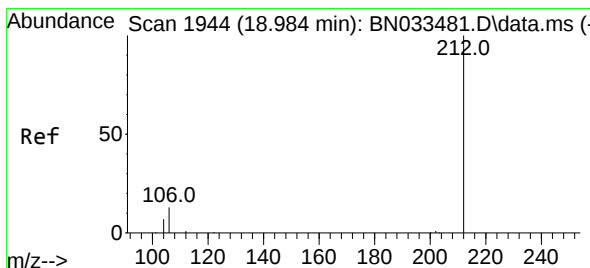
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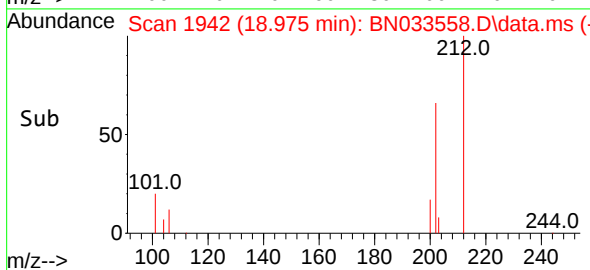
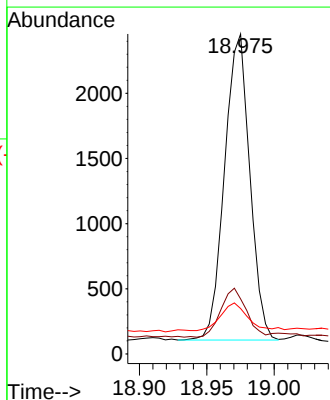
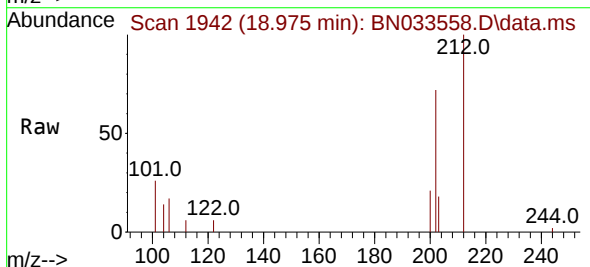
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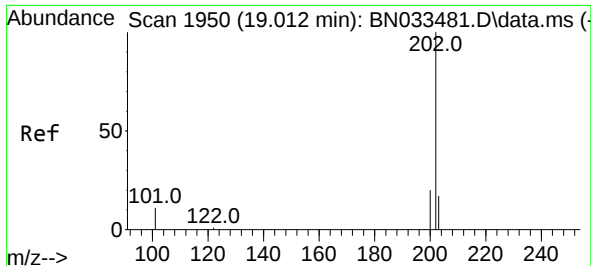
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#27
 Fluoranthene-d10
 Concen: 0.070 ng
 RT: 18.975 min Scan# 1942
 Delta R.T. -0.009 min
 Lab File: BN033558.D
 Acq: 22 Aug 2024 18:19

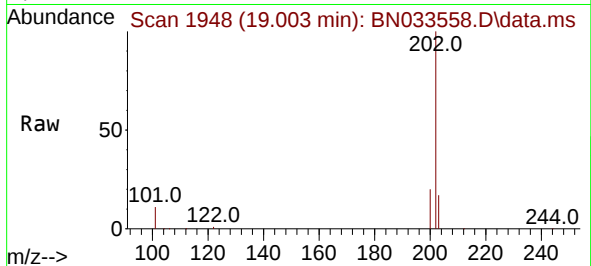
Tgt Ion:212 Resp: 3060
 Ion Ratio Lower Upper
 212 100
 106 16.2 12.3 18.5
 104 9.9 7.0 10.4





#28
Fluoranthene
Concen: 8.135 ng
RT: 19.003 min Scan# 1950
Delta R.T. -0.009 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

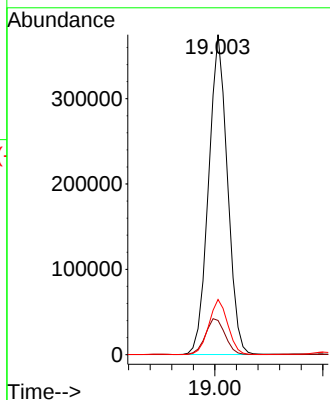
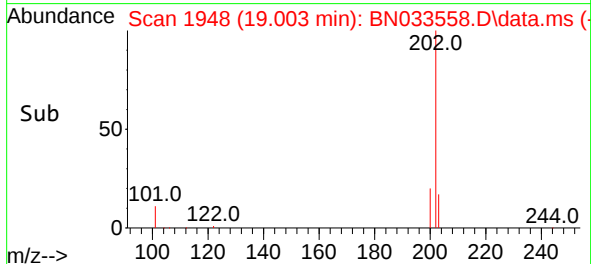
Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624



Tgt Ion:202 Resp: 45480
Ion Ratio Lower Upper
202 100
101 11.6 9.5 14.3
203 17.2 13.8 20.6

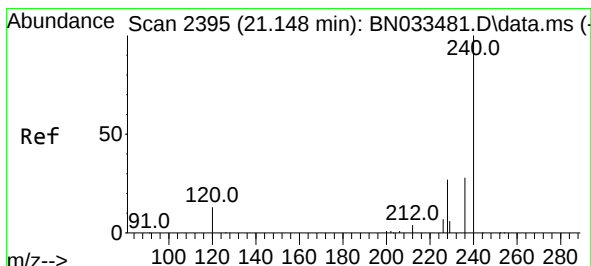
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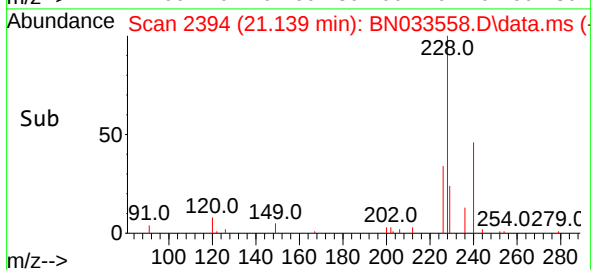
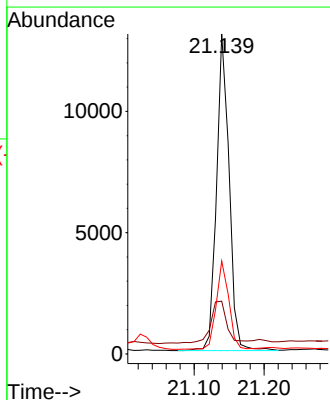
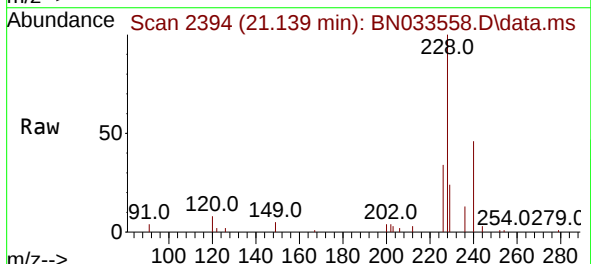
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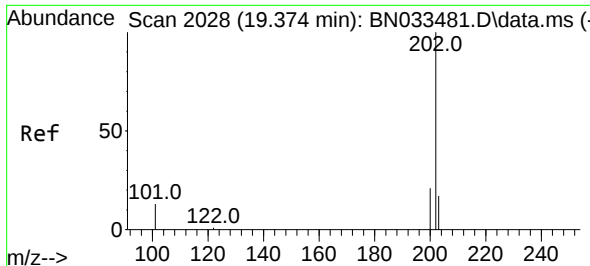
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#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.009 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

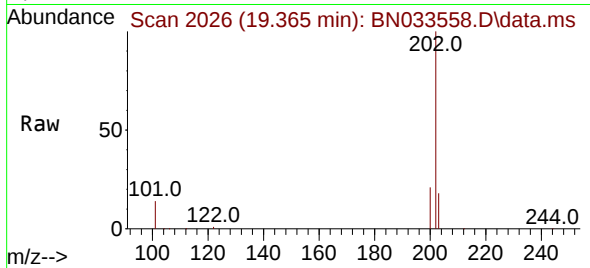
Tgt Ion:240 Resp: 16263
Ion Ratio Lower Upper
240 100
120 16.5 12.4 18.6
236 29.0 23.0 34.6





#30
Pyrene
Concen: 4.971 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.009 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624



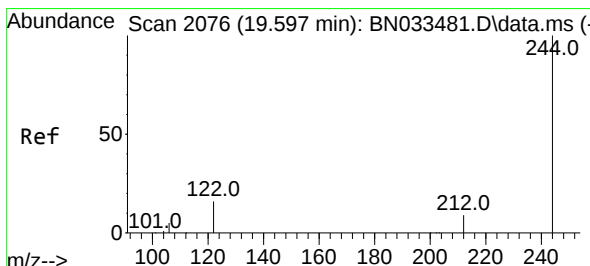
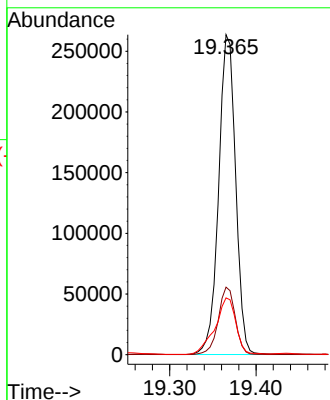
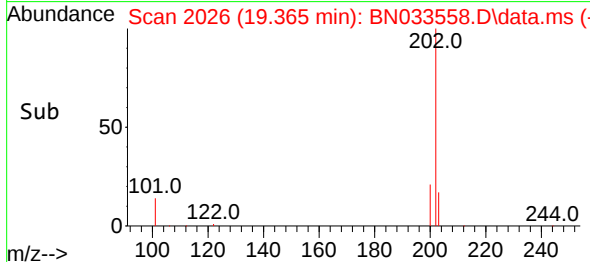
Tgt Ion:202 Resp: 36084
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 21.7 14.2 21.4

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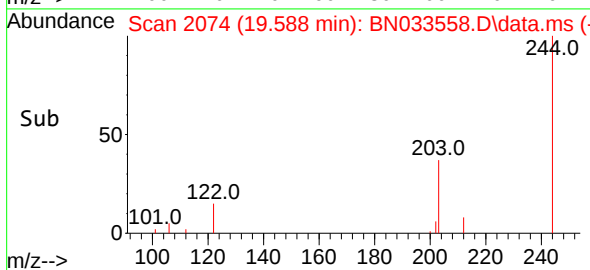
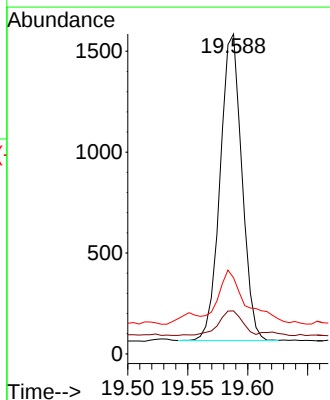
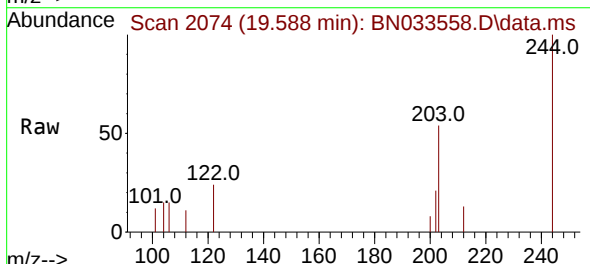
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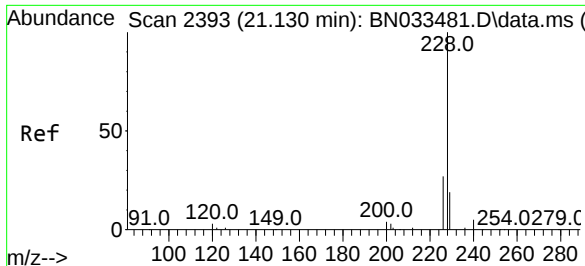
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#31
Terphenyl-d14
Concen: 0.052 ng
RT: 19.588 min Scan# 2074
Delta R.T. -0.009 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

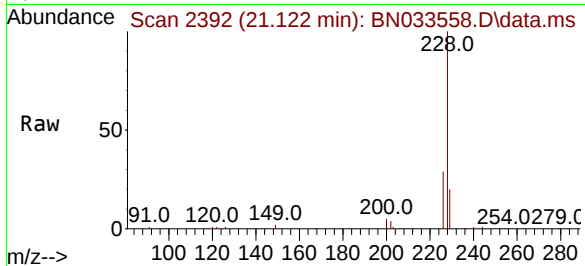
Tgt Ion:244 Resp: 1915
Ion Ratio Lower Upper
244 100
212 13.4 7.8 11.6#
122 23.8 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 2.722 ng
RT: 21.122 min Scan# 21122
Delta R.T. -0.009 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624



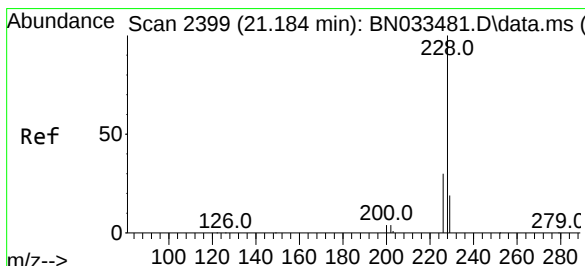
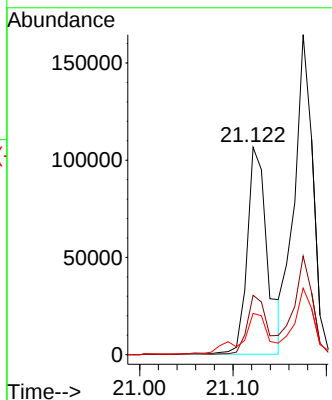
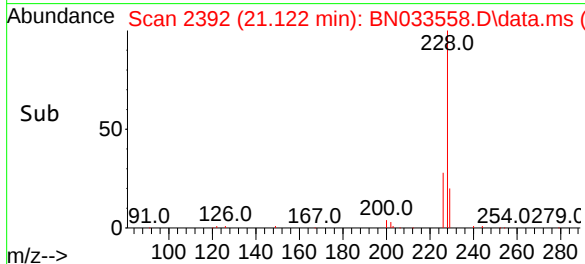
Tgt Ion:228 Resp: 160074
Ion Ratio Lower Upper
228 100
226 28.6 21.8 32.6
229 19.9 15.8 23.6

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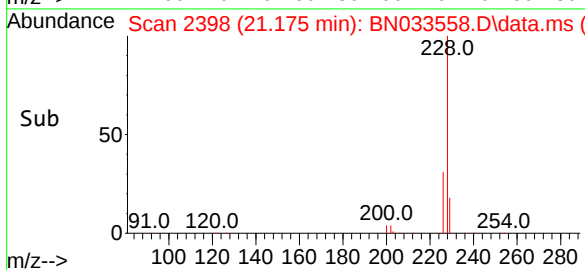
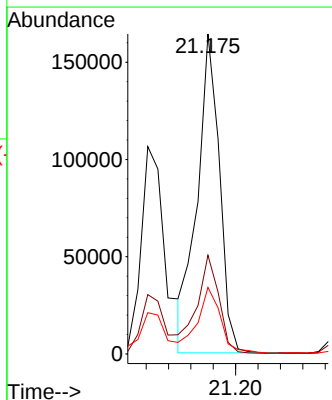
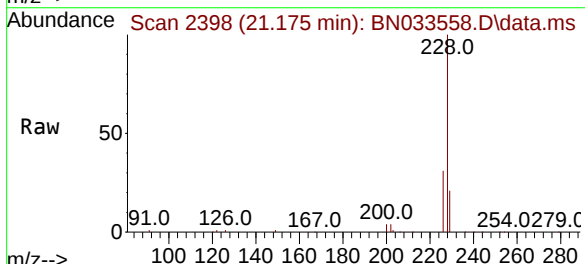
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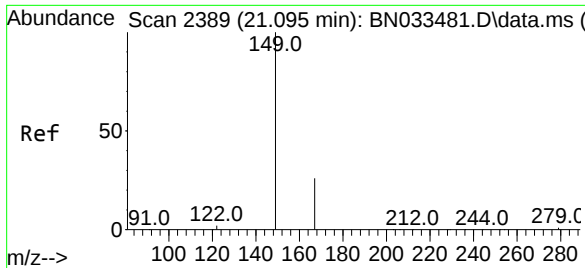
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#33
Chrysene
Concen: 3.864 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.009 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

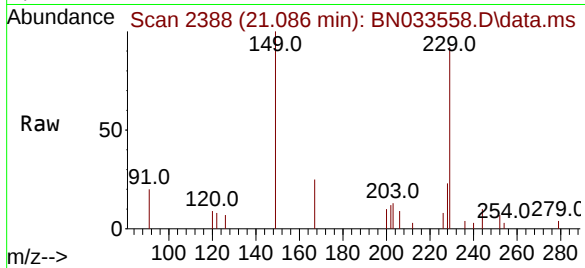
Tgt Ion:228 Resp: 225834
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.8
229 20.8 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.120 ng m
RT: 21.086 min Scan# 2108
Delta R.T. -0.009 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

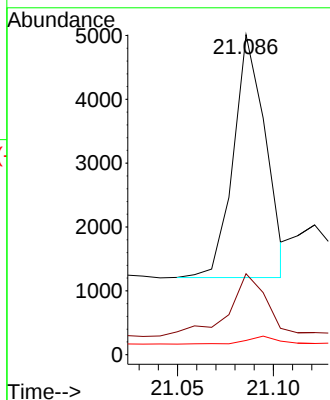
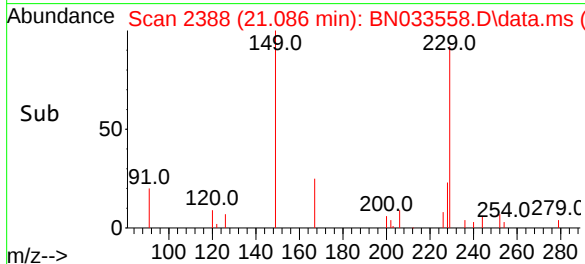
Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624



Tgt Ion:149 Resp: 4454
Ion Ratio Lower Upper
149 100
167 47.8 21.5 32.3
279 4.5 2.2 3.2

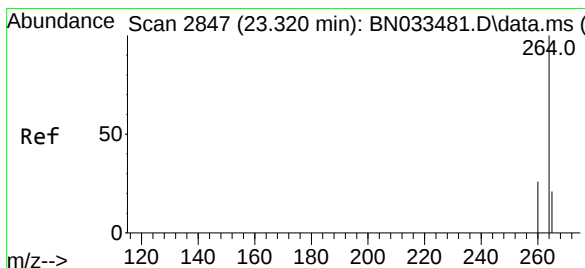
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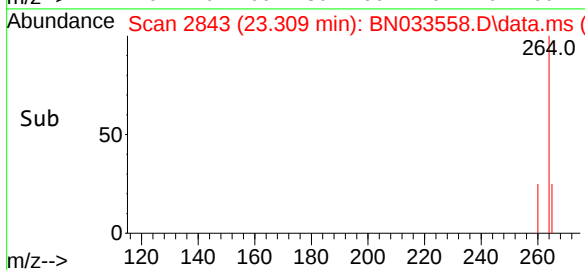
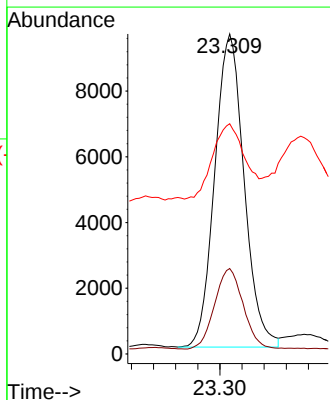
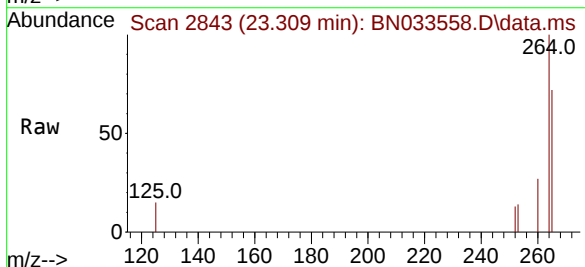
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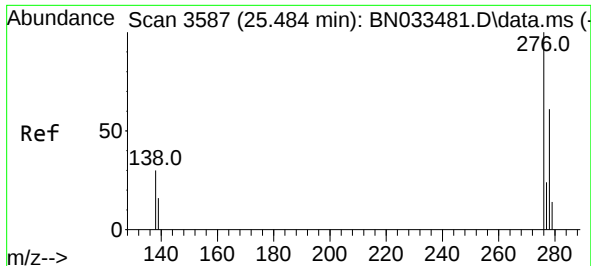
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#35
Perylene-d12
Concen: 0.400 ng
RT: 23.309 min Scan# 2843
Delta R.T. -0.012 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

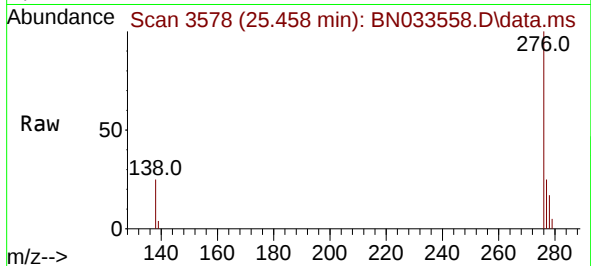
Tgt Ion:264 Resp: 17555
Ion Ratio Lower Upper
264 100
260 26.7 20.8 31.2
265 72.0 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 2.247 ng
RT: 25.458 min Scan# 31
Delta R.T. -0.026 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624



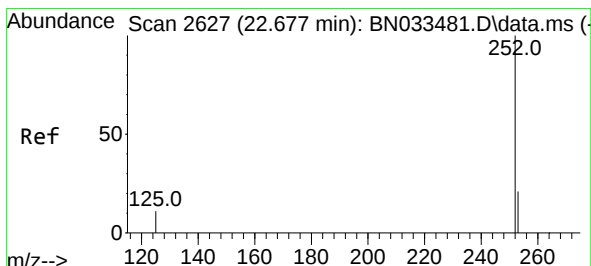
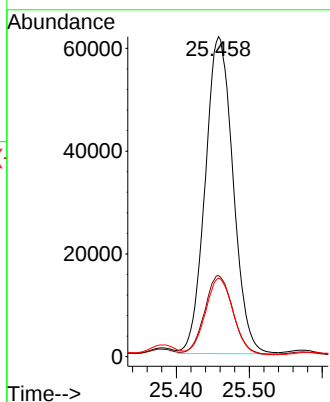
Tgt Ion:276 Resp: 163744
Ion Ratio Lower Upper
276 100
138 25.0 24.4 36.6
277 24.1 19.8 29.6

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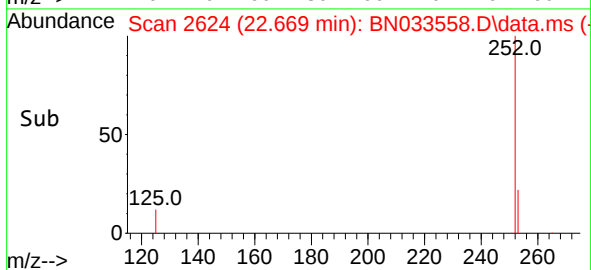
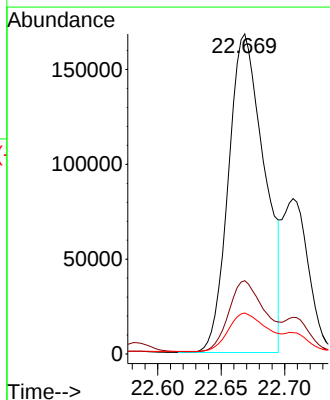
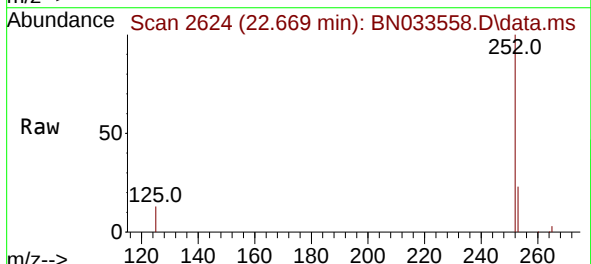
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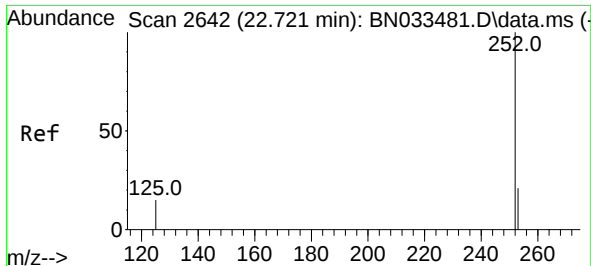
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#37
Benzo(b)fluoranthene
Concen: 5.051 ng
RT: 22.669 min Scan# 2624
Delta R.T. -0.009 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

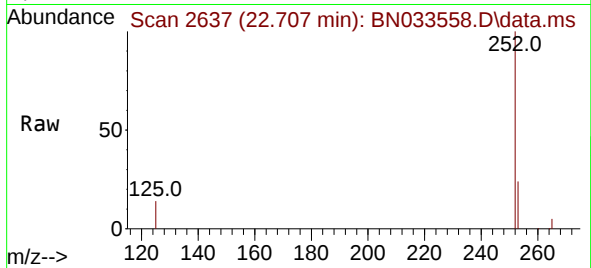
Tgt Ion:252 Resp: 331102
Ion Ratio Lower Upper
252 100
253 22.9 19.8 29.8
125 12.8 13.9 20.9#





#38
Benzo(k)fluoranthene
Concen: 1.803 ng m
RT: 22.707 min Scan# 2642
Delta R.T. -0.015 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624



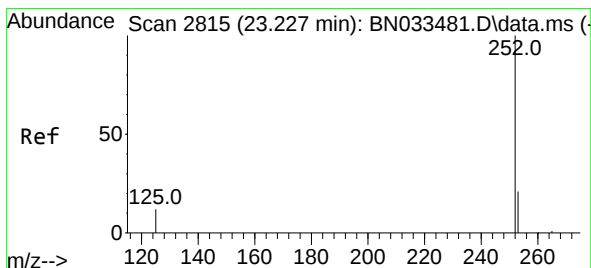
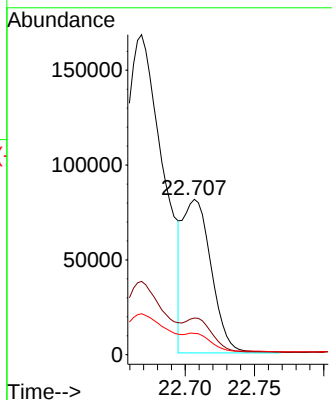
Tgt Ion:252 Resp: 116339
Ion Ratio Lower Upper
252 100
253 23.6 19.8 29.8
125 13.8 15.8 23.8

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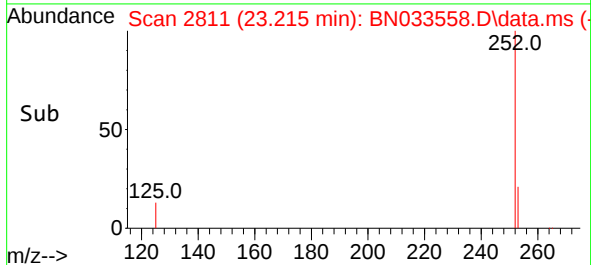
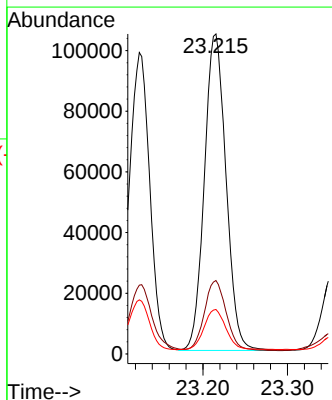
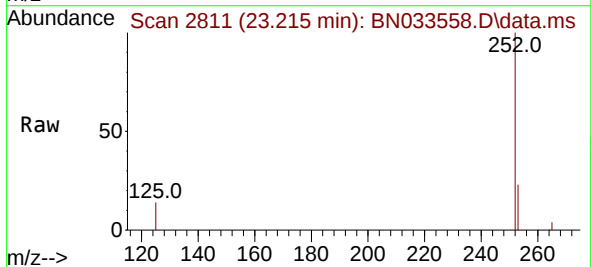
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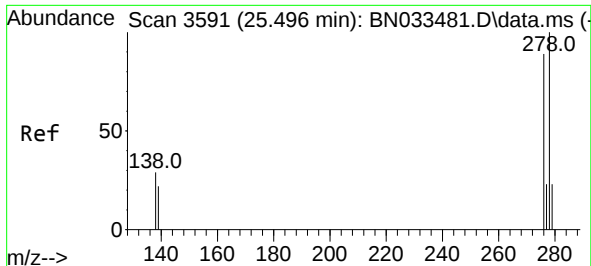
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#39
Benzo(a)pyrene
Concen: 3.422 ng m
RT: 23.215 min Scan# 2811
Delta R.T. -0.012 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

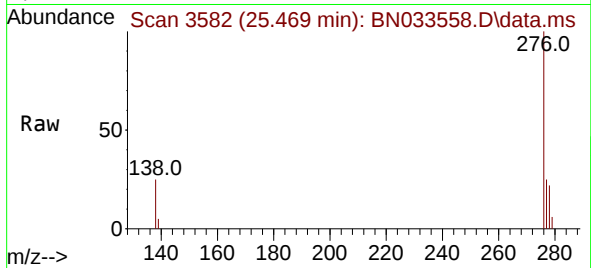
Tgt Ion:252 Resp: 185629
Ion Ratio Lower Upper
252 100
253 23.0 21.5 32.3
125 13.9 17.0 25.4





#40
Dibenzo(a,h)anthracene
Concen: 0.585 ng
RT: 25.469 min Scan# 31
Delta R.T. -0.026 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624



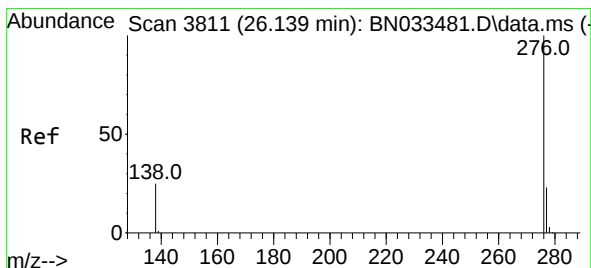
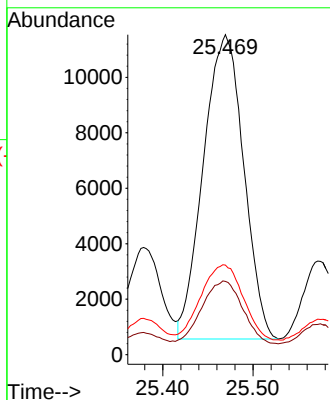
Tgt Ion:278 Resp: 34074
Ion Ratio Lower Upper
278 100
139 22.9 19.1 28.7
279 28.0 21.0 31.4

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08/24/2024



#41
Benzo(g,h,i)perylene
Concen: 2.649 ng
RT: 26.113 min Scan# 3802
Delta R.T. -0.026 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Tgt Ion:276 Resp: 165082
Ion Ratio Lower Upper
276 100
277 24.0 19.7 29.5
138 26.4 21.8 32.6

