

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
 Data File : BN033537.D
 Acq On : 21 Aug 2024 11:16
 Operator : MA/JU
 Sample : P3643-06
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 917-J-SD-0.5-1-081524

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2024
 Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 21 12:56:48 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	7.552	152	10023	0.400	ng	0.00
7) Naphthalene-d8	10.314	136	26186	0.400	ng	# 0.00
13) Acenaphthene-d10	14.178	164	12012	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	22511	0.400	ng	#-0.01
29) Chrysene-d12	21.139	240	17781	0.400	ng	# 0.00
35) Perylene-d12	23.309	264	19256	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	6395	0.201	ng	0.00
5) Phenol-d6	6.736	99	7706	0.203	ng	0.00
8) Nitrobenzene-d5	8.681	82	4729	0.218	ng	-0.01
11) 2-Methylnaphthalene-d10	11.907	152	7208	0.192	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	955	0.148	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	9630	0.196	ng	-0.01
27) Fluoranthene-d10	18.975	212	8231	0.152	ng	0.00
31) Terphenyl-d14	19.588	244	5034	0.125	ng	0.00
Target Compounds						Qvalue
16) Acenaphthylene	13.900	152	2674	0.051	ng	98
17) Acenaphthene	14.242	154	2897	0.078	ng	98
18) Fluorene	15.236	166	4517	0.097	ng	95
25) Phenanthrene	16.979	178	69436	1.109	ng	100
26) Anthracene	17.066	178	10479	0.189	ng	95
28) Fluoranthene	19.003	202	174499	2.521	ng	100
30) Pyrene	19.370	202	141574	1.784	ng	# 96
32) Benzo(a)anthracene	21.130	228	63038	0.981	ng	97
33) Chrysene	21.175	228	84487	1.322	ng	98
34) Bis(2-ethylhexyl)phtha...	21.086	149	3862m	0.095	ng	
36) Indeno(1,2,3-cd)pyrene	25.458	276	60528	0.757	ng	95
37) Benzo(b)fluoranthene	22.668	252	123989	1.724	ng	95
38) Benzo(k)fluoranthene	22.706	252	46379m	0.655	ng	
39) Benzo(a)pyrene	23.215	252	72507m	1.219	ng	
40) Dibenzo(a,h)anthracene	25.472	278	12471	0.195	ng	92
41) Benzo(g,h,i)perylene	26.115	276	62519	0.915	ng	100

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

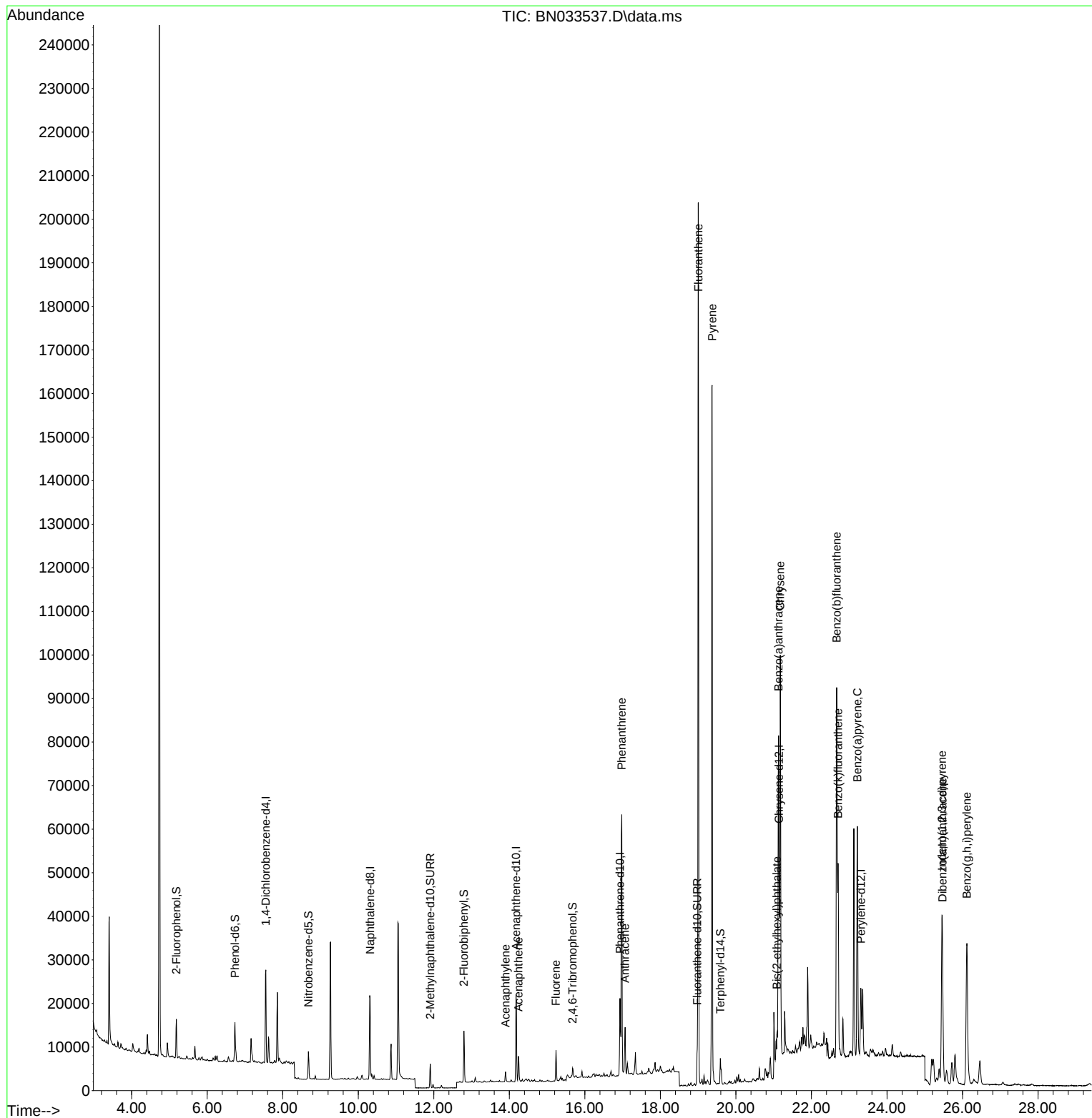
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
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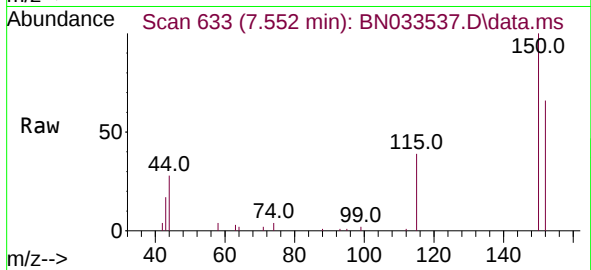
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.552 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

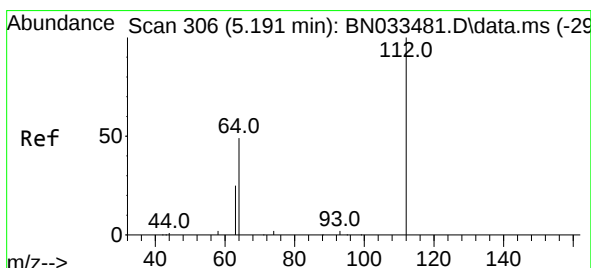
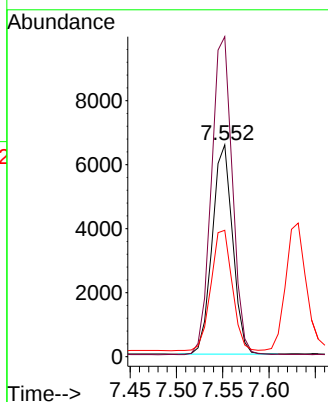
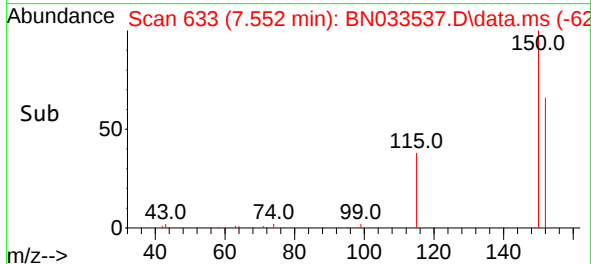
Instrument :
BNA_N
ClientSampleId :
917-J-SD-0.5-1-081524



Tgt Ion:152 Resp: 1002
Ion Ratio Lower Upper
152 100
150 151.1 122.2 183.2
115 59.7 47.2 70.8

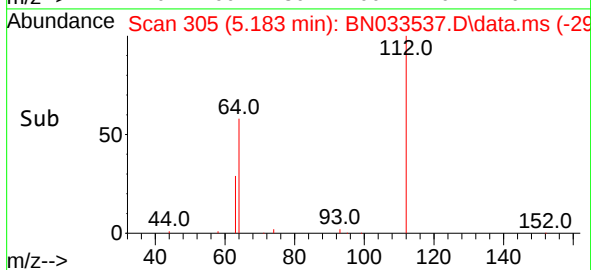
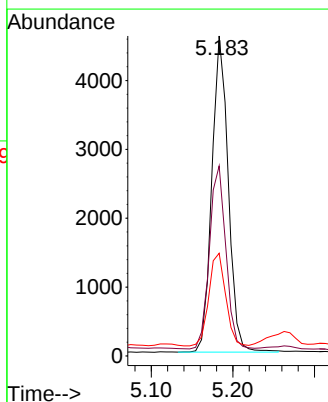
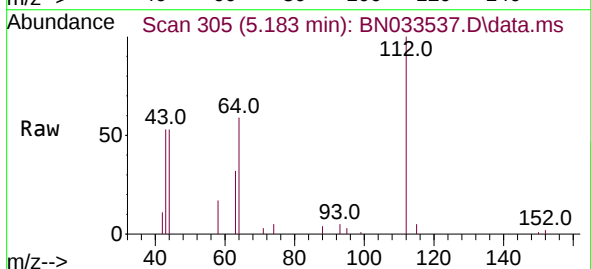
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Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#4
2-Fluorophenol
Concen: 0.201 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

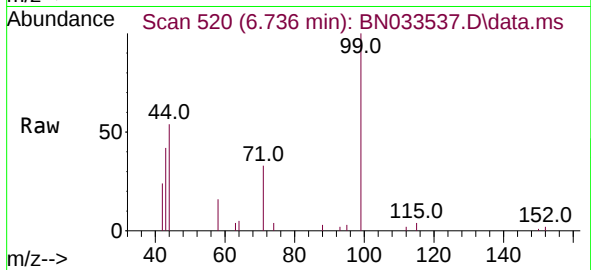
Tgt Ion:112 Resp: 6395
Ion Ratio Lower Upper
112 100
64 58.0 47.1 70.7
63 30.1 24.9 37.3





#5
Phenol-d6
Concen: 0.203 ng
RT: 6.736 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

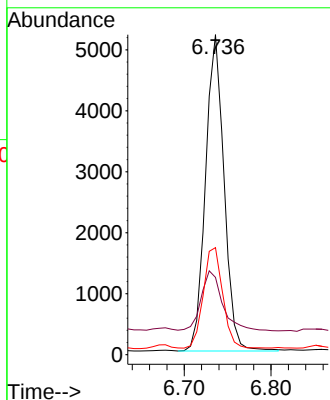
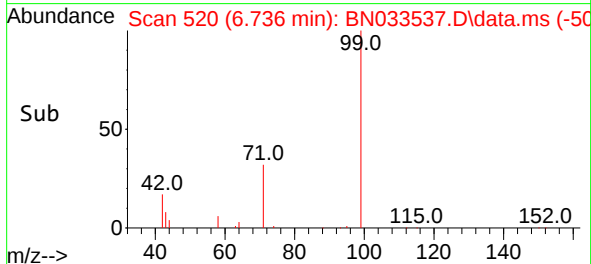
Instrument :
BNA_N
ClientSampleId :
917-J-SD-0.5-1-081524



Tgt Ion: 99 Resp: 7700
Ion Ratio Lower Upper
99 100
42 21.9 16.6 24.8
71 33.3 26.2 39.4

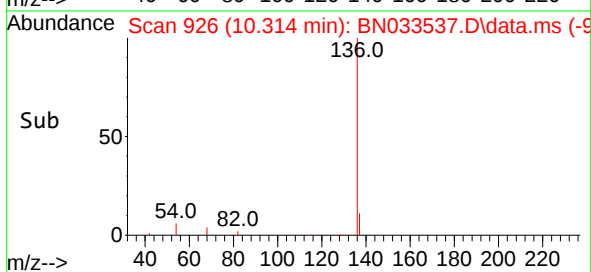
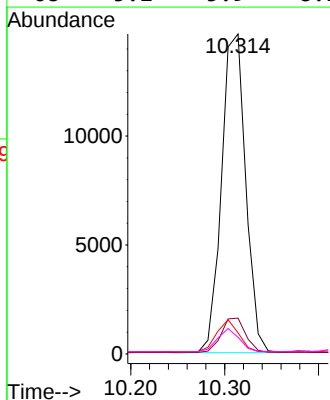
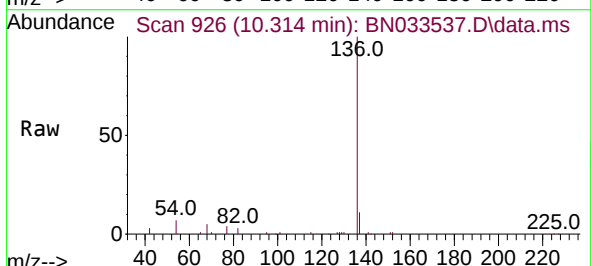
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 926
Delta R.T. -0.000 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

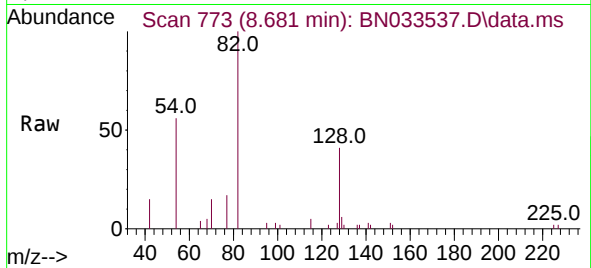
Tgt Ion:136 Resp: 26186
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 6.6 8.3 12.5#
68 5.2 5.9 8.9#





#8
Nitrobenzene-d5
Concen: 0.218 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

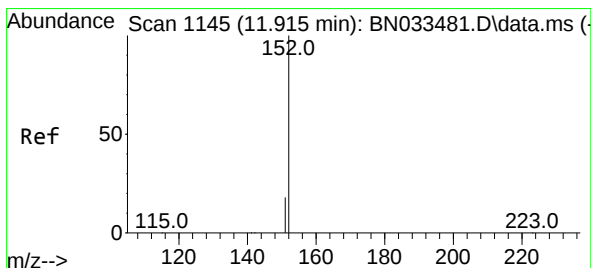
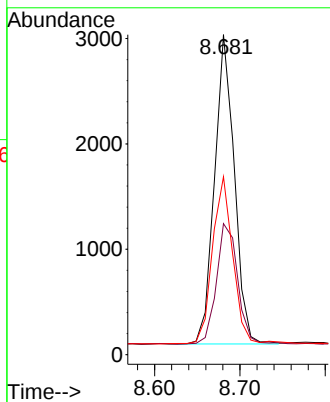
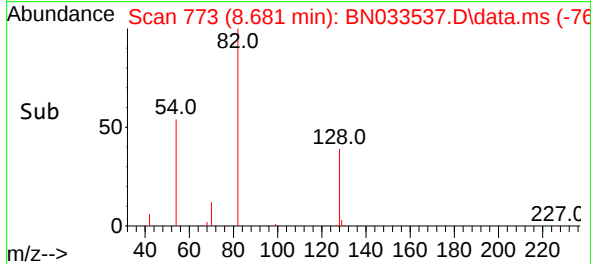
Instrument :
BNA_N
ClientSampleId :
917-J-SD-0.5-1-081524



Tgt Ion: 82 Resp: 4729
Ion Ratio Lower Upper
82 100
128 41.0 36.0 54.0
54 55.6 42.0 63.0

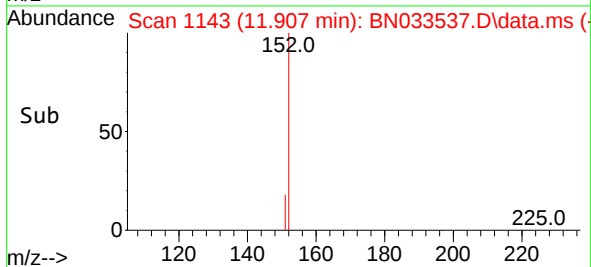
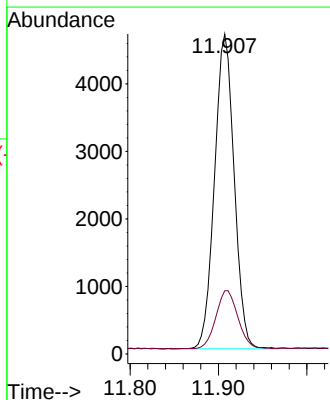
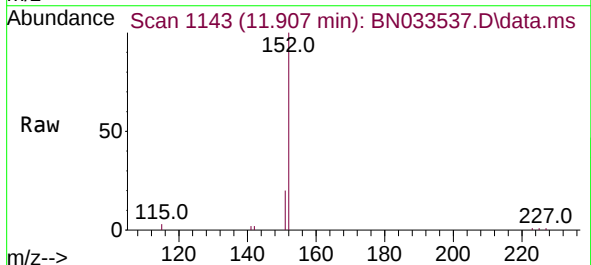
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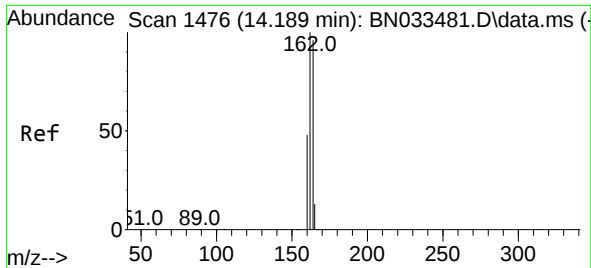
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#11
2-Methylnaphthalene-d10
Concen: 0.192 ng
RT: 11.907 min Scan# 1143
Delta R.T. -0.008 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

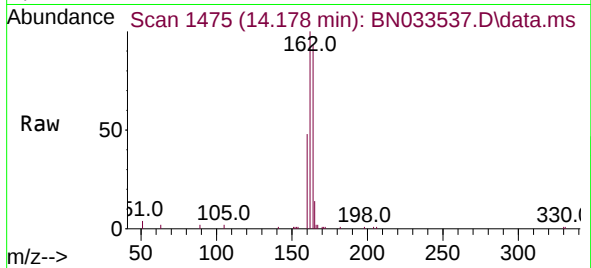
Tgt Ion:152 Resp: 7208
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.011 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

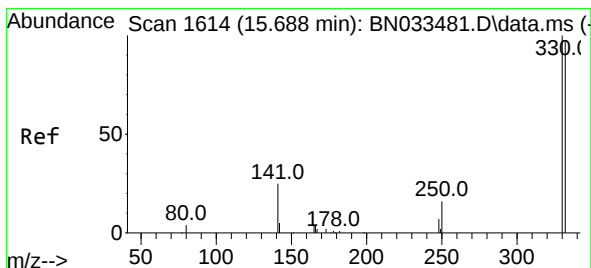
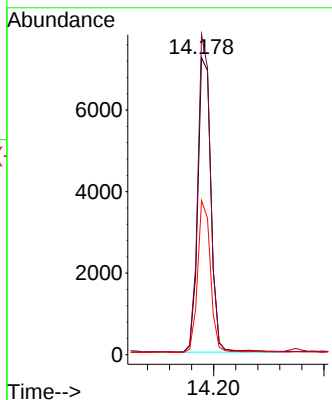
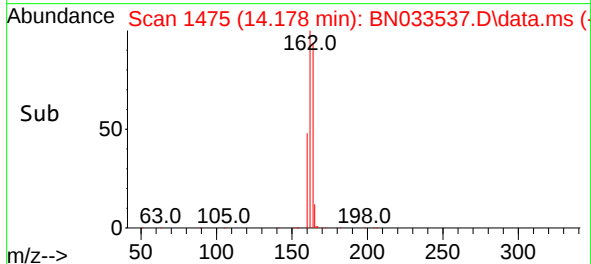
Instrument :
BNA_N
ClientSampleId :
917-J-SD-0.5-1-081524



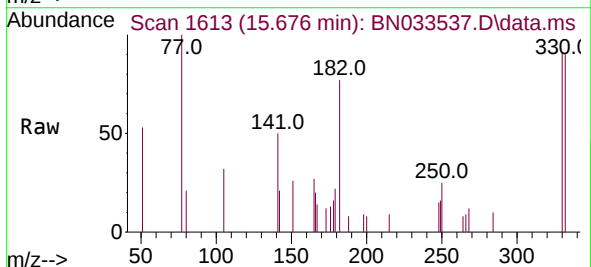
Tgt Ion:164 Resp: 1201
Ion Ratio Lower Upper
164 100
162 107.7 83.5 125.3
160 52.0 40.2 60.4

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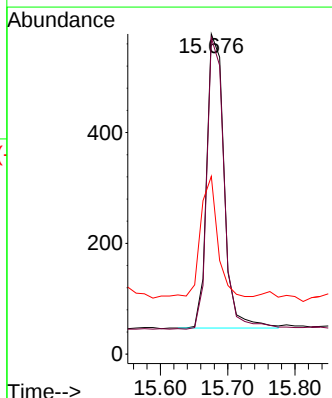
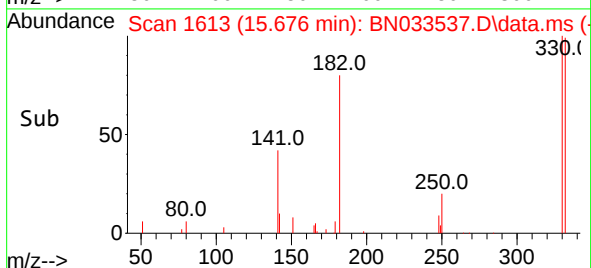
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

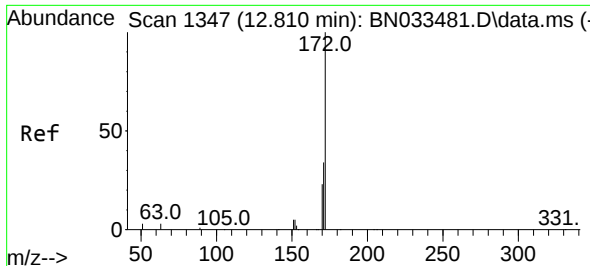


#14
2,4,6-Tribromophenol
Concen: 0.148 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16



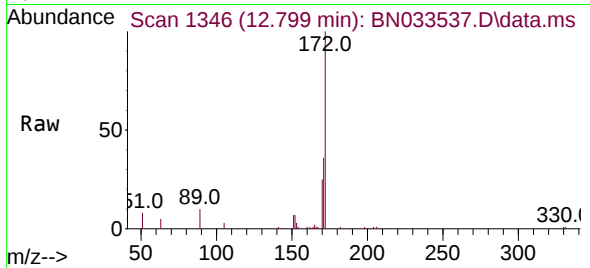
Tgt Ion:330 Resp: 955
Ion Ratio Lower Upper
330 100
332 98.2 77.5 116.3
141 39.3 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.196 ng
RT: 12.799 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

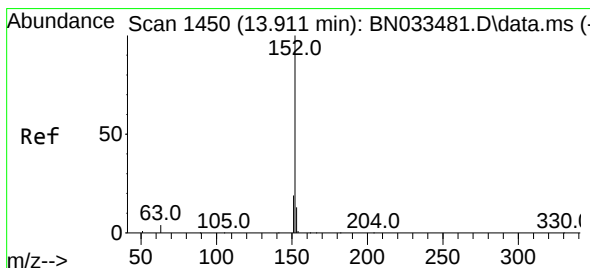
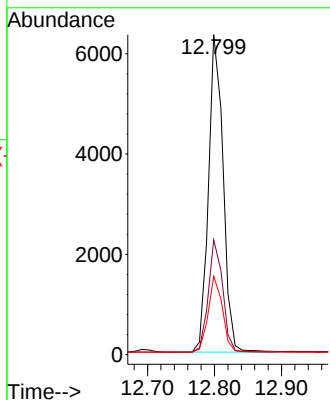
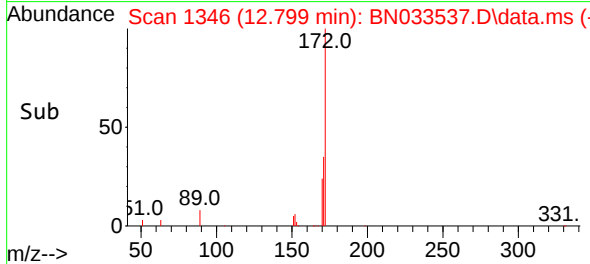
Instrument :
BNA_N
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917-J-SD-0.5-1-081524



Tgt Ion:172 Resp: 9630
Ion Ratio Lower Upper
172 100
171 35.9 27.7 41.5
170 24.5 18.3 27.5

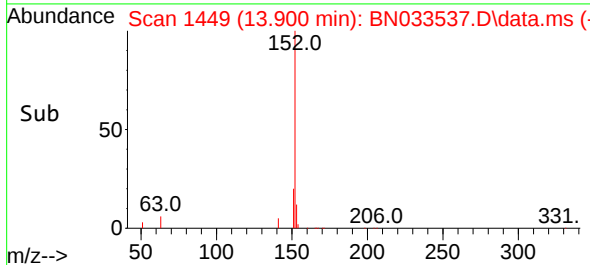
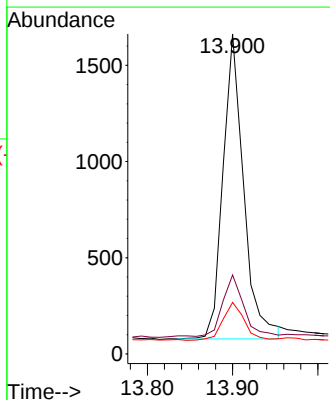
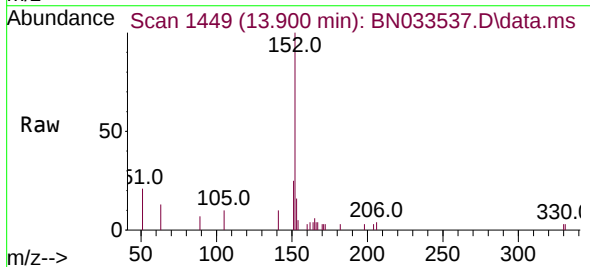
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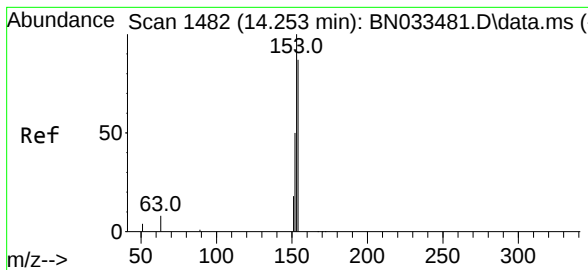
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#16
Acenaphthylene
Concen: 0.051 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

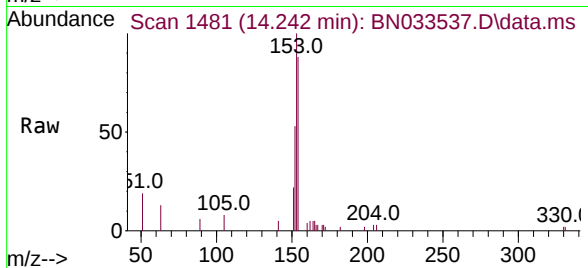
Tgt Ion:152 Resp: 2674
Ion Ratio Lower Upper
152 100
151 20.7 15.7 23.5
153 12.7 10.3 15.5





#17
Acenaphthene
Concen: 0.078 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

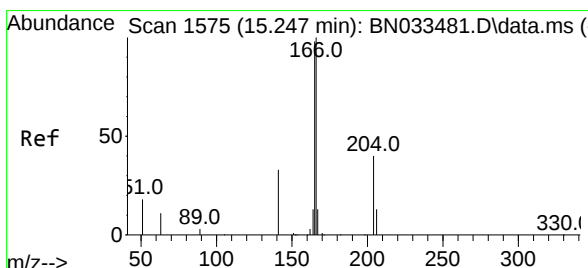
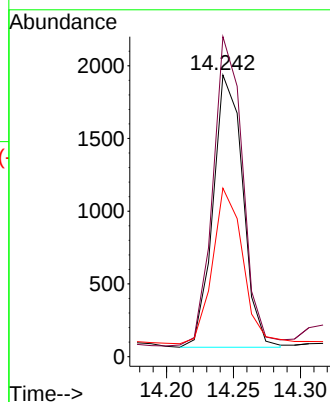
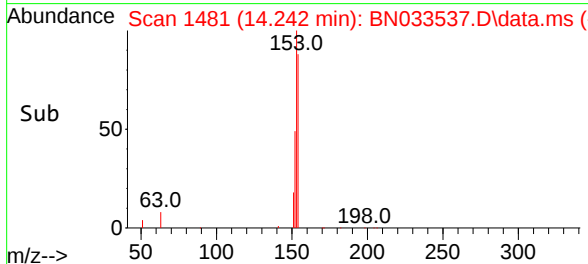
Instrument : BNA_N
ClientSampleId : 917-J-SD-0.5-1-081524



Tgt Ion:154 Resp: 289
Ion Ratio Lower Upper
154 100
153 113.5 89.0 133.6
152 58.1 45.2 67.8

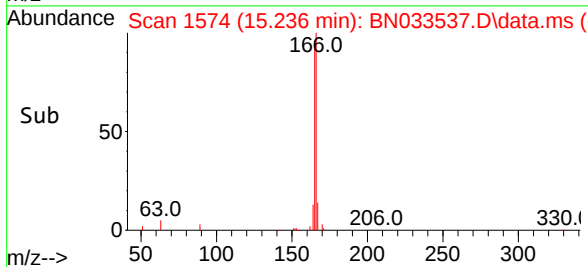
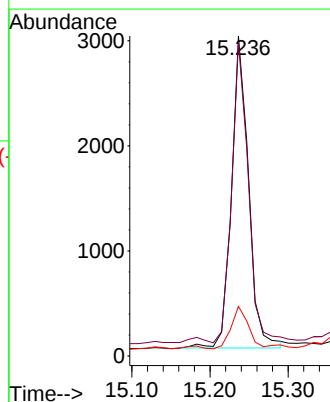
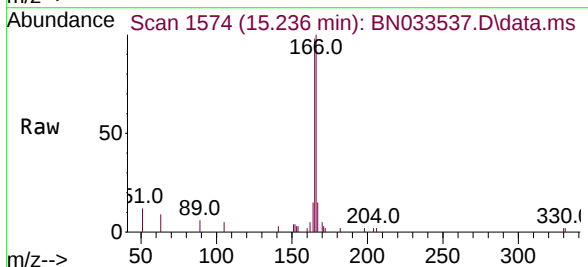
Manual Integrations
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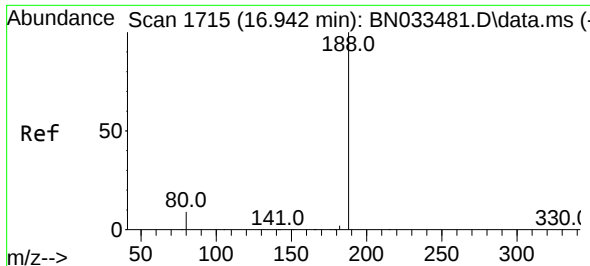
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#18
Fluorene
Concen: 0.097 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

Tgt Ion:166 Resp: 4517
Ion Ratio Lower Upper
166 100
165 92.9 78.2 117.4
167 14.0 10.6 16.0





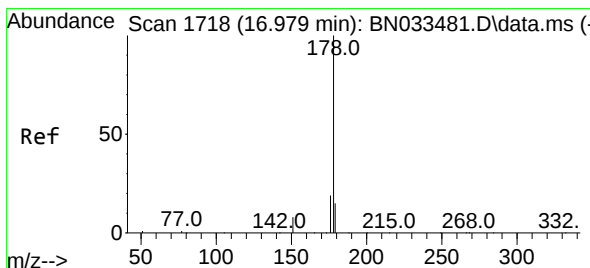
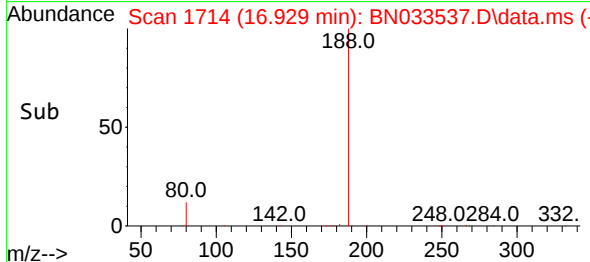
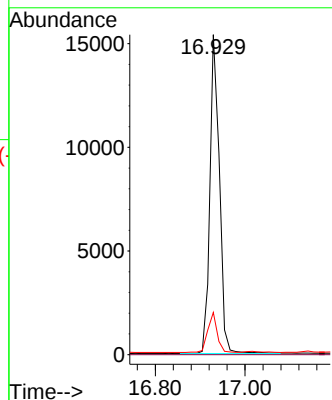
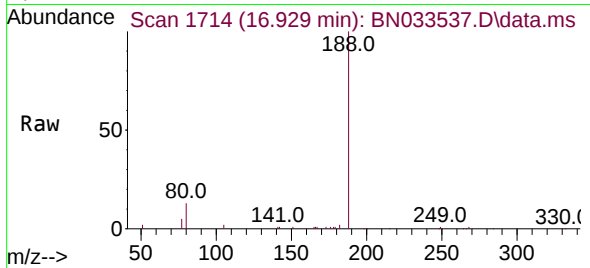
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

Instrument :
BNA_N
ClientSampleId :
917-J-SD-0.5-1-081524

Tgt Ion:188 Resp: 2251
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.2 7.8 11.8

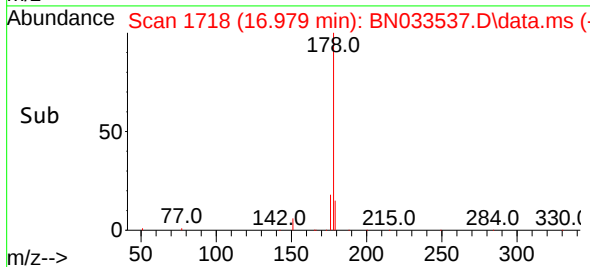
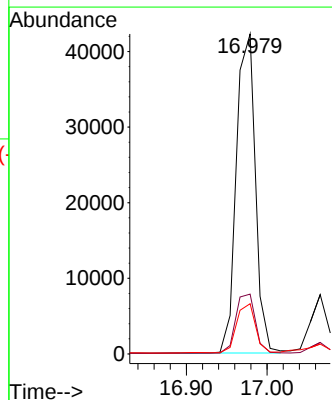
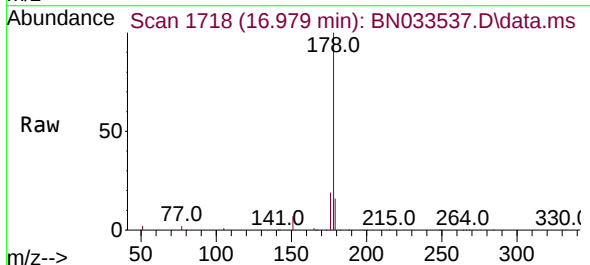
Manual Integrations
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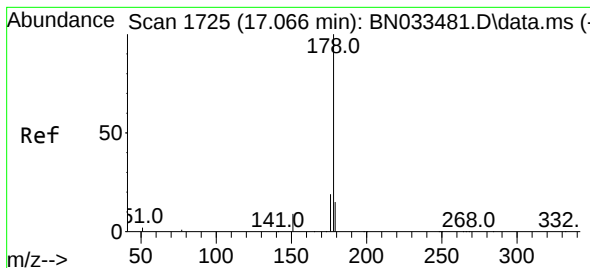
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#25
Phenanthrene
Concen: 1.109 ng
RT: 16.979 min Scan# 1718
Delta R.T. -0.000 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

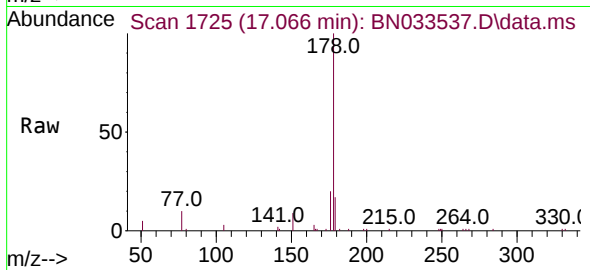
Tgt Ion:178 Resp: 69436
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.4 12.3 18.5





#26
 Anthracene
 Concen: 0.189 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. -0.000 min
 Lab File: BN033537.D
 Acq: 21 Aug 2024 11:16

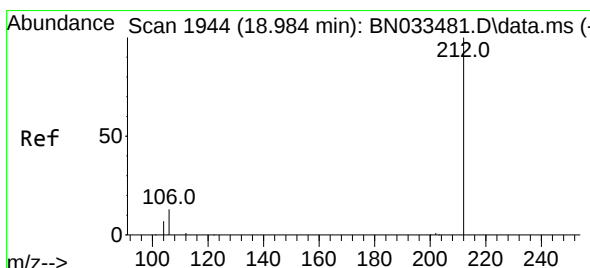
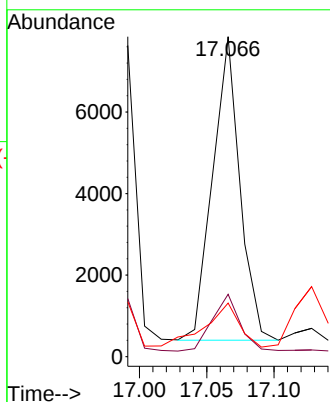
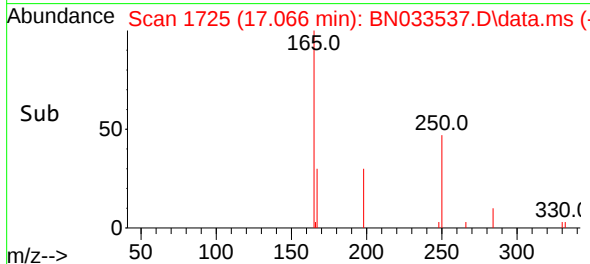
Instrument :
 BNA_N
 ClientSampleId :
 917-J-SD-0.5-1-081524



Tgt Ion:178 Resp: 10479
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.0 22.6
 179 18.3 12.4 18.6

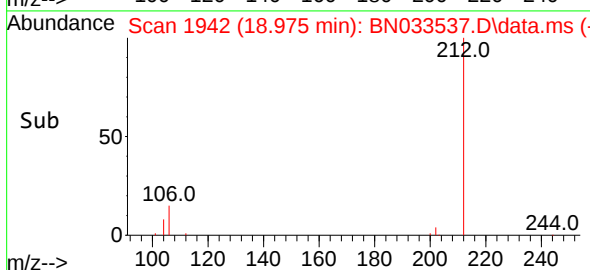
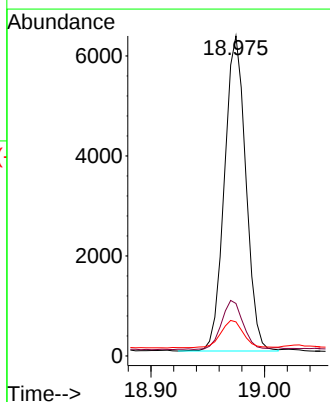
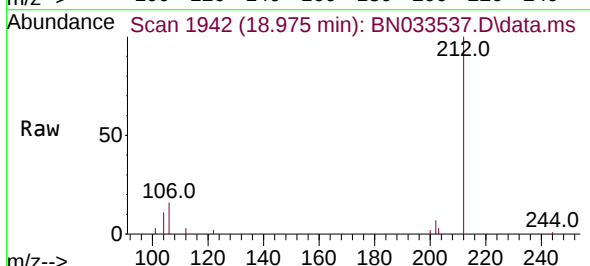
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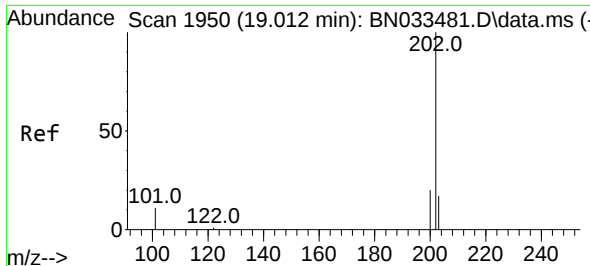
Reviewed By :Yogesh Patel 08/22/2024
 Supervised By :mohammad ahmed 08/22/2024



#27
 Fluoranthene-d10
 Concen: 0.152 ng
 RT: 18.975 min Scan# 1942
 Delta R.T. -0.009 min
 Lab File: BN033537.D
 Acq: 21 Aug 2024 11:16

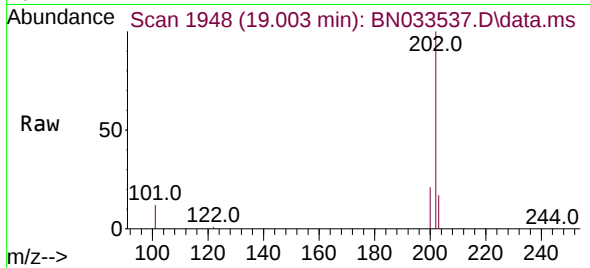
Tgt Ion:212 Resp: 8231
 Ion Ratio Lower Upper
 212 100
 106 15.6 12.3 18.5
 104 9.1 7.0 10.4





#28
Fluoranthene
Concen: 2.521 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

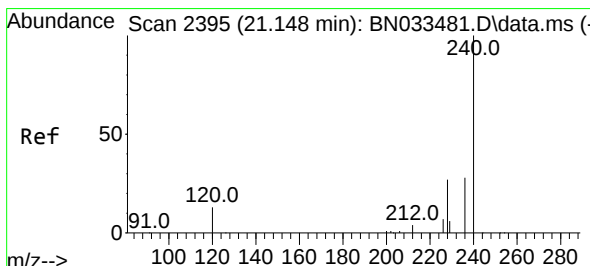
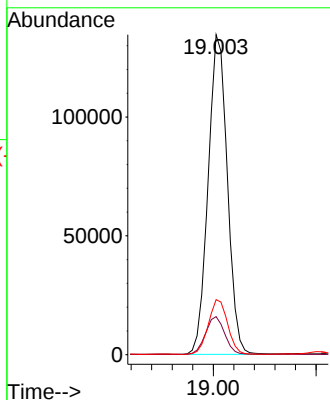
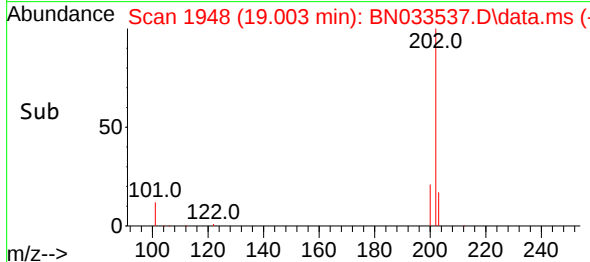
Instrument :
BNA_N
ClientSampleId :
917-J-SD-0.5-1-081524



Tgt Ion:202 Resp: 174499
Ion Ratio Lower Upper
202 100
101 11.8 9.5 14.3
203 17.2 13.8 20.6

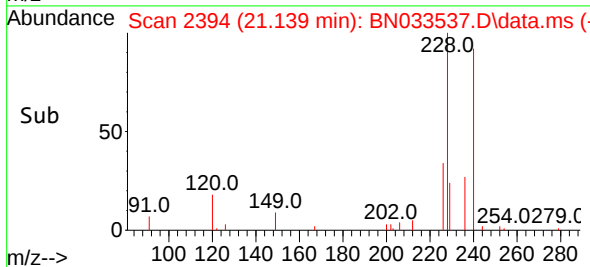
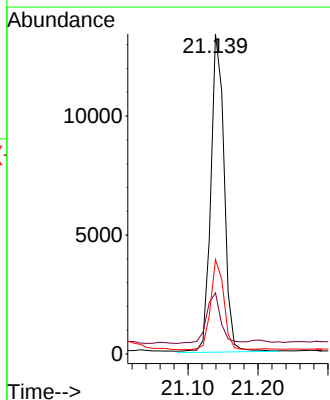
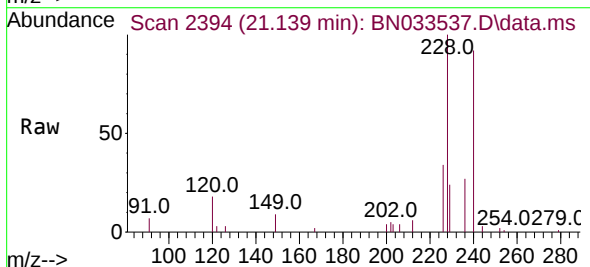
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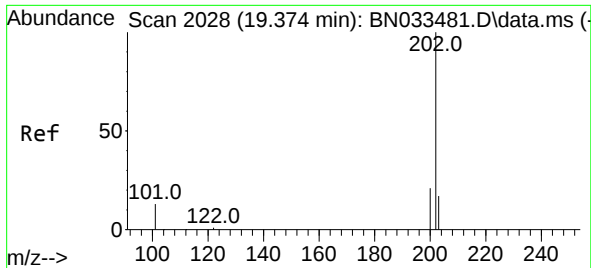
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.009 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

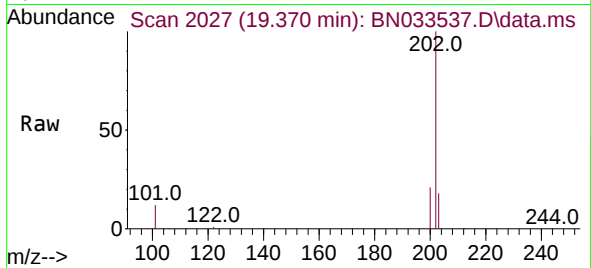
Tgt Ion:240 Resp: 17781
Ion Ratio Lower Upper
240 100
120 19.1 12.4 18.6#
236 29.5 23.0 34.6





#30
 Pyrene
 Concen: 1.784 ng
 RT: 19.370 min Scan# 2028
 Delta R.T. -0.005 min
 Lab File: BN033537.D
 Acq: 21 Aug 2024 11:16

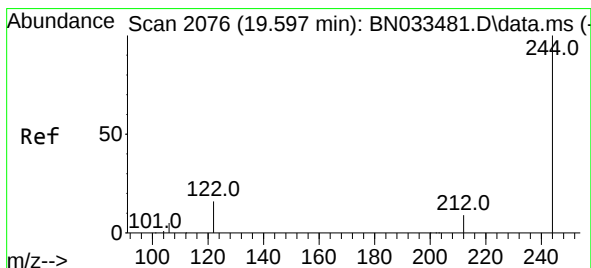
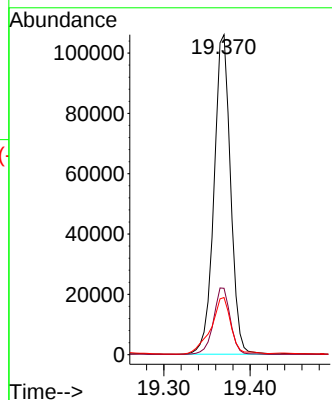
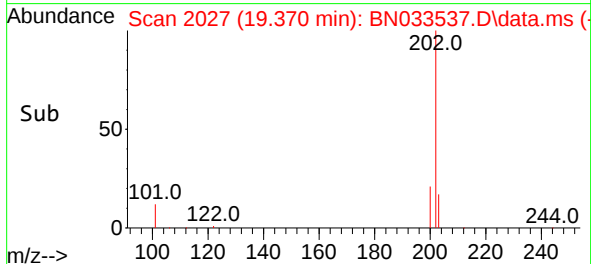
Instrument :
 BNA_N
 ClientSampleId :
 917-J-SD-0.5-1-081524



Tgt Ion:202 Resp: 141574
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 24.8
 203 21.4 14.2 21.4

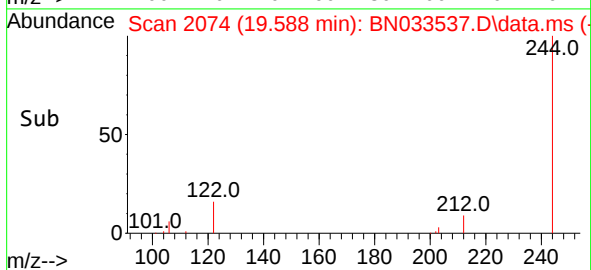
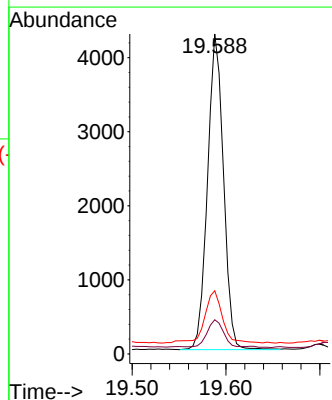
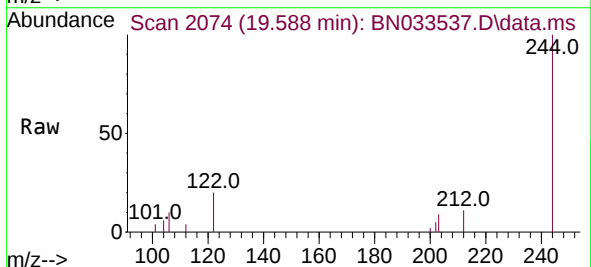
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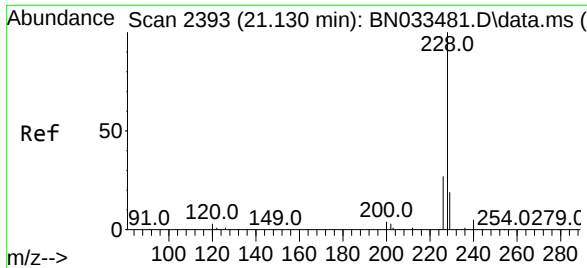
Reviewed By :Yogesh Patel 08/22/2024
 Supervised By :mohammad ahmed 08/22/2024



#31
 Terphenyl-d14
 Concen: 0.125 ng
 RT: 19.588 min Scan# 2074
 Delta R.T. -0.009 min
 Lab File: BN033537.D
 Acq: 21 Aug 2024 11:16

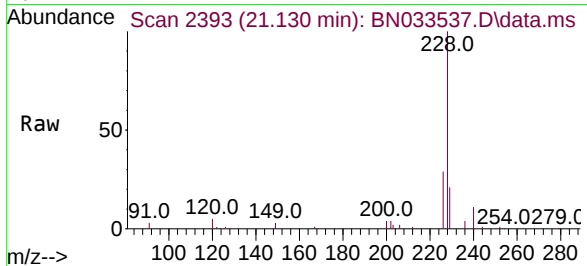
Tgt Ion:244 Resp: 5034
 Ion Ratio Lower Upper
 244 100
 212 10.7 7.8 11.6
 122 19.7 13.3 19.9





#32
Benzo(a)anthracene
Concen: 0.981 ng
RT: 21.130 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

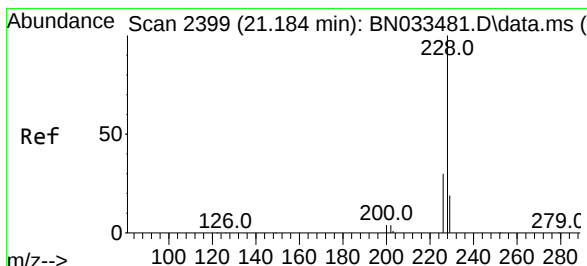
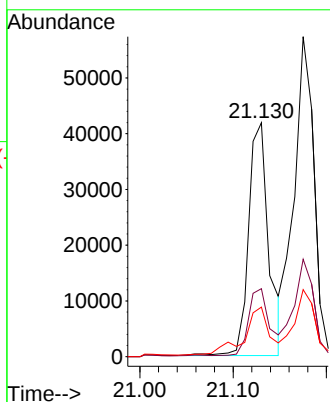
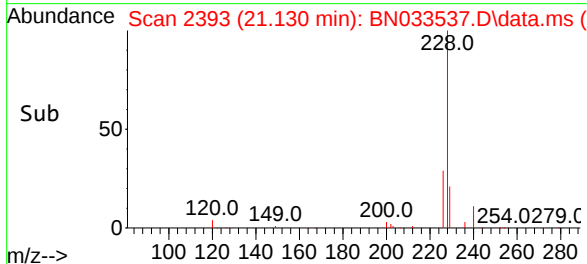
Instrument :
BNA_N
ClientSampleId :
917-J-SD-0.5-1-081524



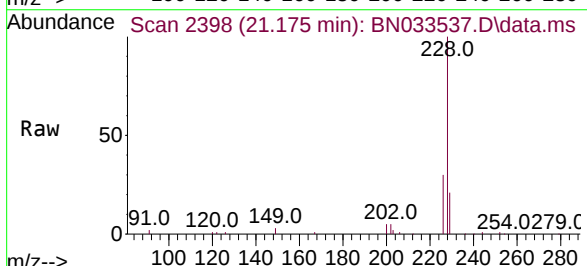
Tgt Ion:228 Resp: 63038
Ion Ratio Lower Upper
228 100
226 29.1 21.8 32.6
229 21.2 15.8 23.6

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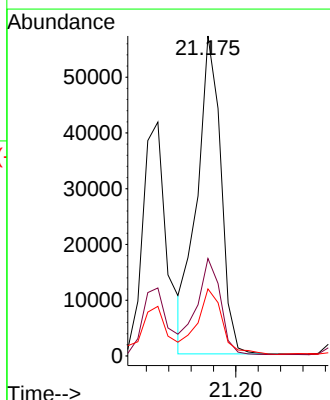
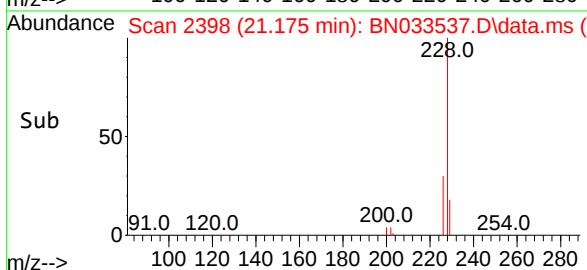
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

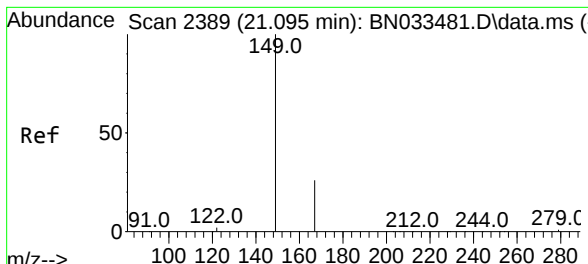


#33
Chrysene
Concen: 1.322 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.009 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16



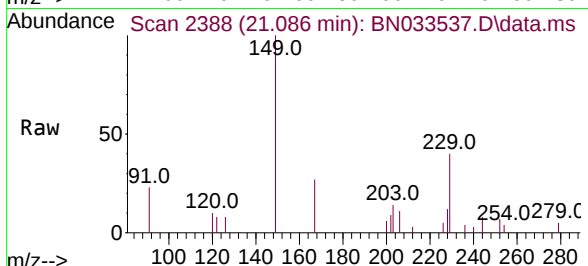
Tgt Ion:228 Resp: 84487
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.8
229 21.0 15.6 23.4





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.095 ng m
 RT: 21.086 min Scan# 2108
 Delta R.T. -0.009 min
 Lab File: BN033537.D
 Acq: 21 Aug 2024 11:16

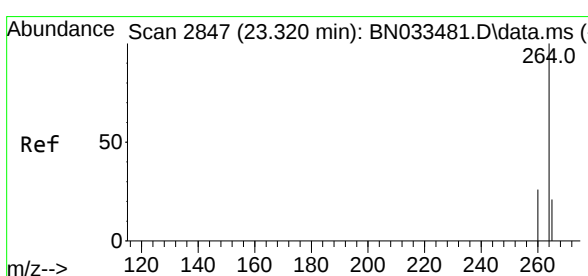
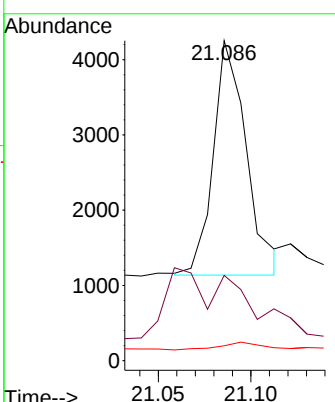
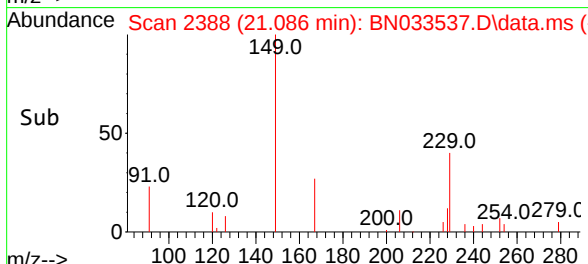
Instrument : BNA_N
 ClientSampleId : 917-J-SD-0.5-1-081524



Tgt Ion: 149 Resp: 3862

Ion	Ratio	Lower	Upper
149	100		
167	0.0	21.5	32.3
279	5.5	2.2	3.2

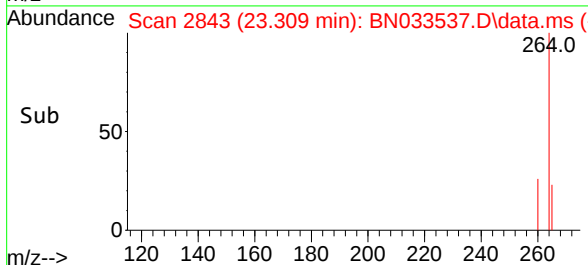
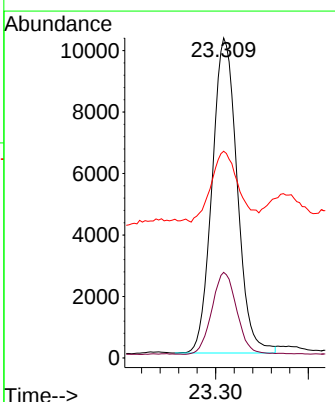
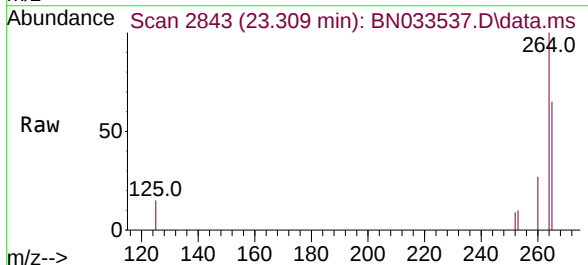
Manual Integrations
APPROVED
 Reviewed By : Yogesh Patel 08/22/2024
 Supervised By : mohammad ahmed 08/22/2024

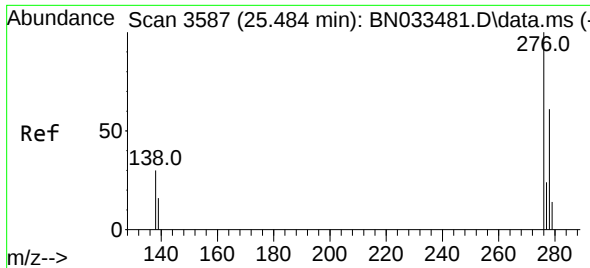


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.309 min Scan# 2843
 Delta R.T. -0.012 min
 Lab File: BN033537.D
 Acq: 21 Aug 2024 11:16

Tgt Ion: 264 Resp: 19256

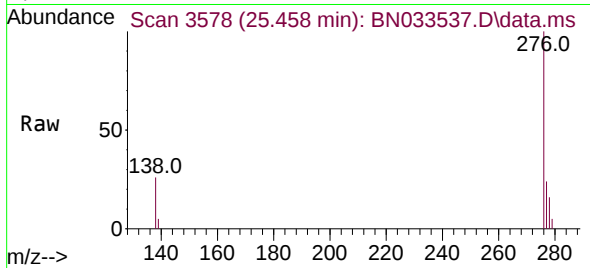
Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.8	31.2
265	64.6	52.2	78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.757 ng
RT: 25.458 min Scan# 30
Delta R.T. -0.026 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

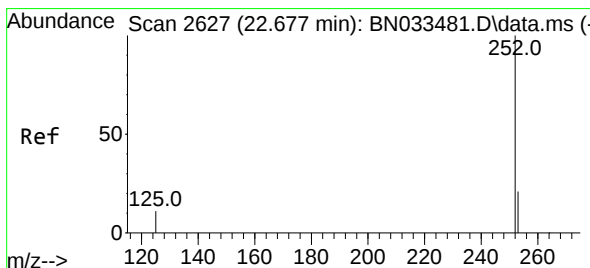
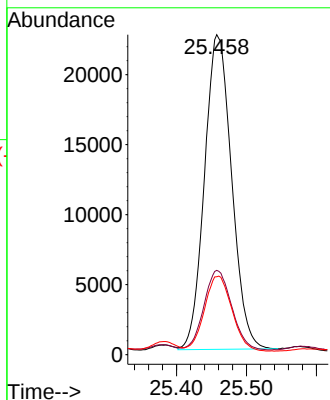
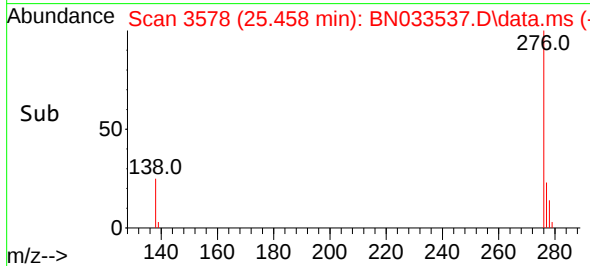
Instrument :
BNA_N
ClientSampleId :
917-J-SD-0.5-1-081524



Tgt Ion:276 Resp: 60528
Ion Ratio Lower Upper
276 100
138 25.8 24.4 36.6
277 24.2 19.8 29.6

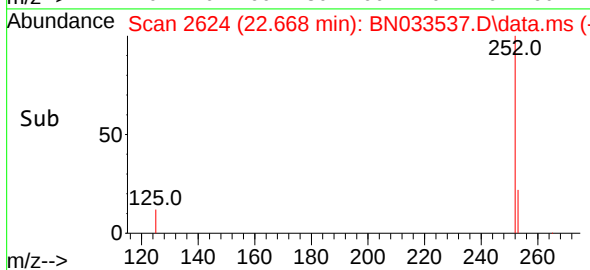
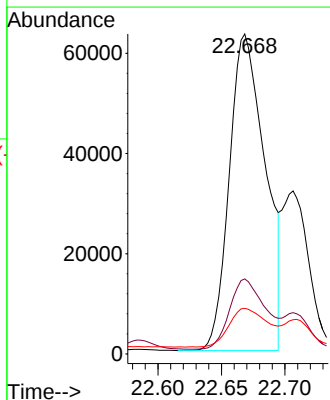
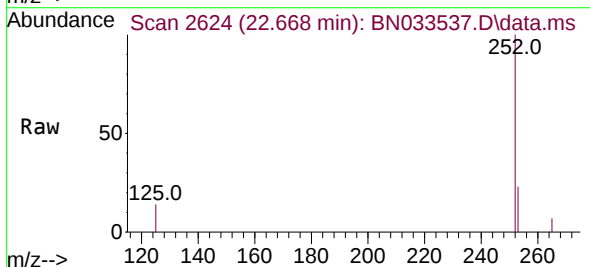
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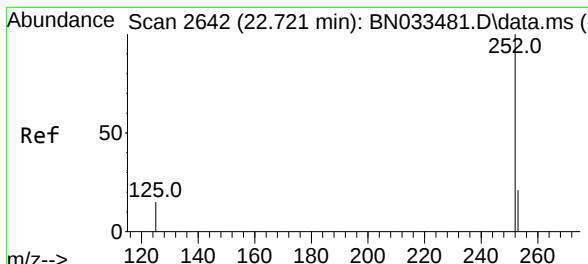
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#37
Benzo(b)fluoranthene
Concen: 1.724 ng
RT: 22.668 min Scan# 2624
Delta R.T. -0.009 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

Tgt Ion:252 Resp: 123989
Ion Ratio Lower Upper
252 100
253 23.5 19.8 29.8
125 14.3 13.9 20.9



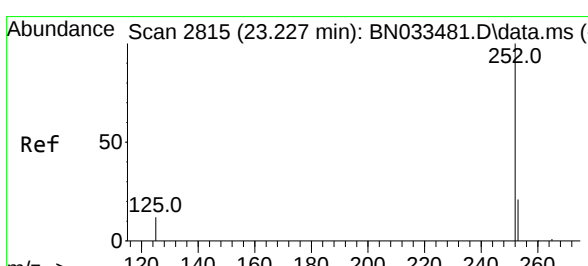
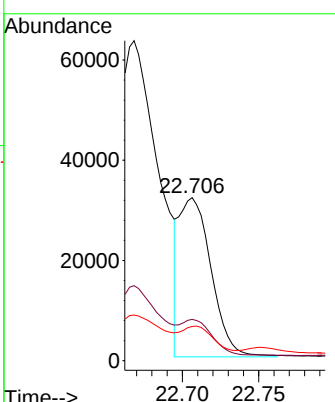
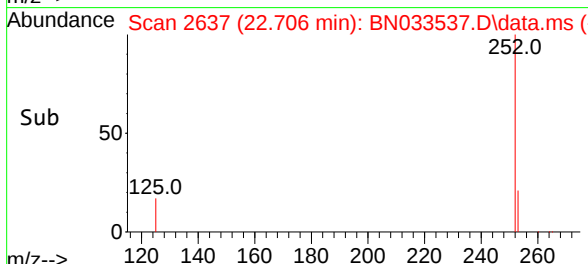
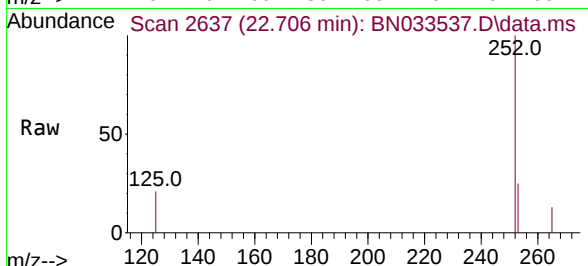


#38
 Benzo(k)fluoranthene
 Concen: 0.655 ng m
 RT: 22.706 min Scan# 2637
 Delta R.T. -0.015 min
 Lab File: BN033537.D
 Acq: 21 Aug 2024 11:16

Instrument : BNA_N
 ClientSampleId : 917-J-SD-0.5-1-081524

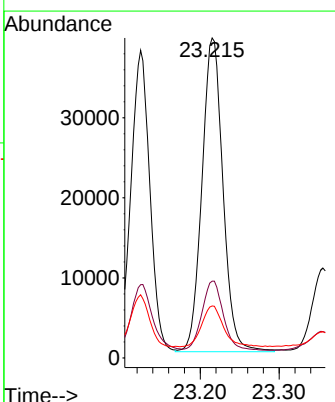
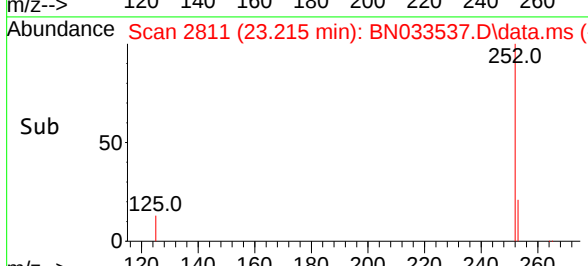
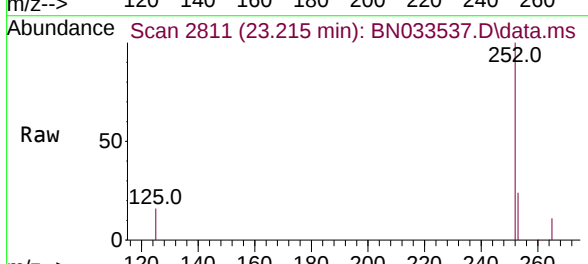
Tgt Ion:	252	Resp:	46379
Ion Ratio	Lower	Upper	
252	100		
253	25.3	19.8	29.8
125	21.0	15.8	23.8

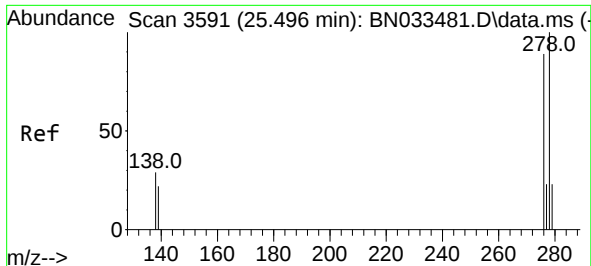
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 08/22/2024
 Supervised By :mohammad ahmed 08/22/2024



#39
 Benzo(a)pyrene
 Concen: 1.219 ng m
 RT: 23.215 min Scan# 2811
 Delta R.T. -0.012 min
 Lab File: BN033537.D
 Acq: 21 Aug 2024 11:16

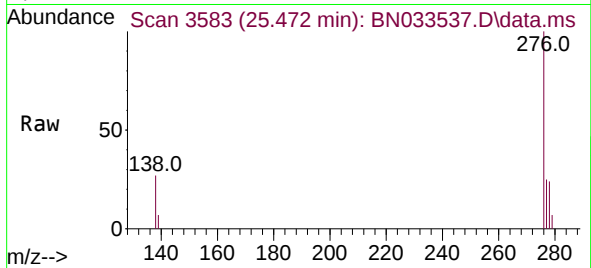
Tgt Ion:	252	Resp:	72507
Ion Ratio	Lower	Upper	
252	100		
253	24.0	21.5	32.3
125	16.2	17.0	25.4





#40
Dibenzo(a,h)anthracene
Concen: 0.195 ng
RT: 25.472 min Scan# 31
Delta R.T. -0.023 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

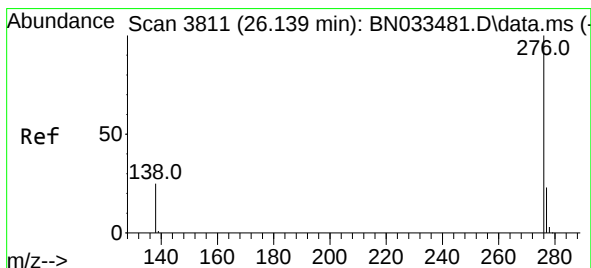
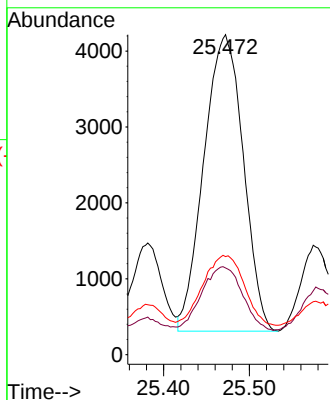
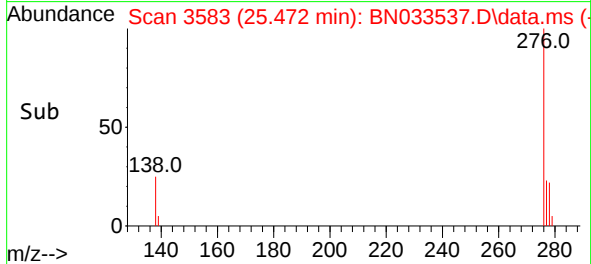
Instrument :
BNA_N
ClientSampleId :
917-J-SD-0.5-1-081524



Tgt Ion: 278 Resp: 1247
Ion Ratio Lower Upper
278 100
139 27.1 19.1 28.7
279 30.7 21.0 31.4

Manual Integrations
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Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#41
Benzo(g,h,i)perylene
Concen: 0.915 ng
RT: 26.115 min Scan# 3803
Delta R.T. -0.023 min
Lab File: BN033537.D
Acq: 21 Aug 2024 11:16

Tgt Ion: 276 Resp: 62519
Ion Ratio Lower Upper
276 100
277 24.6 19.7 29.5
138 27.4 21.8 32.6

