

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016491.D
 Acq On : 26 Sep 2021 02:02
 Operator : CG/JU
 Sample : M3920-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-814-N-SO-1-1.5-092321

Manual Integrations
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Quant Time: Sep 26 04:47:28 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN092421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 24 03:35:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	16867	0.40	ng	0.00
7) Naphthalene-d8	10.432	136	71485	0.40	ng	#-0.01
13) Acenaphthene-d10	14.294	164	35729	0.40	ng	0.00
19) Phenanthrene-d10	17.042	188	76317	0.40	ng	0.00
29) Chrysene-d12	21.249	240	81689	0.40	ng	# 0.00
35) Perylene-d12	23.512	264	79001	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.300	112	10768	0.28	ng	0.02
5) Phenol-d6	6.850	99	11989	0.27	ng	0.00
8) Nitrobenzene-d5	8.810	82	13560	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.030	152	29586	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	2225	0.29	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	37480	0.25	ng	-0.01
27) Fluoranthene-d10	19.088	212	59659	0.28	ng	0.00
31) Terphenyl-d14	19.698	244	42175	0.22	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.483	128	9208	0.05	ng	97
12) 2-Methylnaphthalene	12.101	142	5232	0.04	ng	# 95
16) Acenaphthylene	14.002	152	8104	0.06	ng	96
17) Acenaphthene	14.358	154	13124	0.13	ng	# 92
18) Fluorene	15.347	166	13258m	0.11	ng	
24) Pentachlorophenol	16.701	266	168	0.25	ng	92
25) Phenanthrene	17.091	178	370205	1.63	ng	99
26) Anthracene	17.176	178	57804	0.31	ng	# 94
28) Fluoranthene	19.118	202	785902	3.16	ng	98
30) Pyrene	19.480	202	690915	2.70	ng	# 95
32) Benzo(a)anthracene	21.238	228	369679	1.56	ng	97
33) Chrysene	21.281	228	341720	1.34	ng	97
34) Bis(2-ethylhexyl)phtha...	21.185	149	19623	0.30	ng	# 94
36) Indeno(1,2,3-cd)pyrene	25.805	276	197984	0.77	ng	# 94
37) Benzo(b)fluoranthene	22.834	252	460718	1.75	ng	99
38) Benzo(k)fluoranthene	22.872	252	176665m	0.69	ng	
39) Benzo(a)pyrene	23.413	252	299443m	1.39	ng	
40) Dibenzo(a,h)anthracene	25.819	278	43965	0.20	ng	# 95
41) Benzo(g,h,i)perylene	26.507	276	205523	0.92	ng	95

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

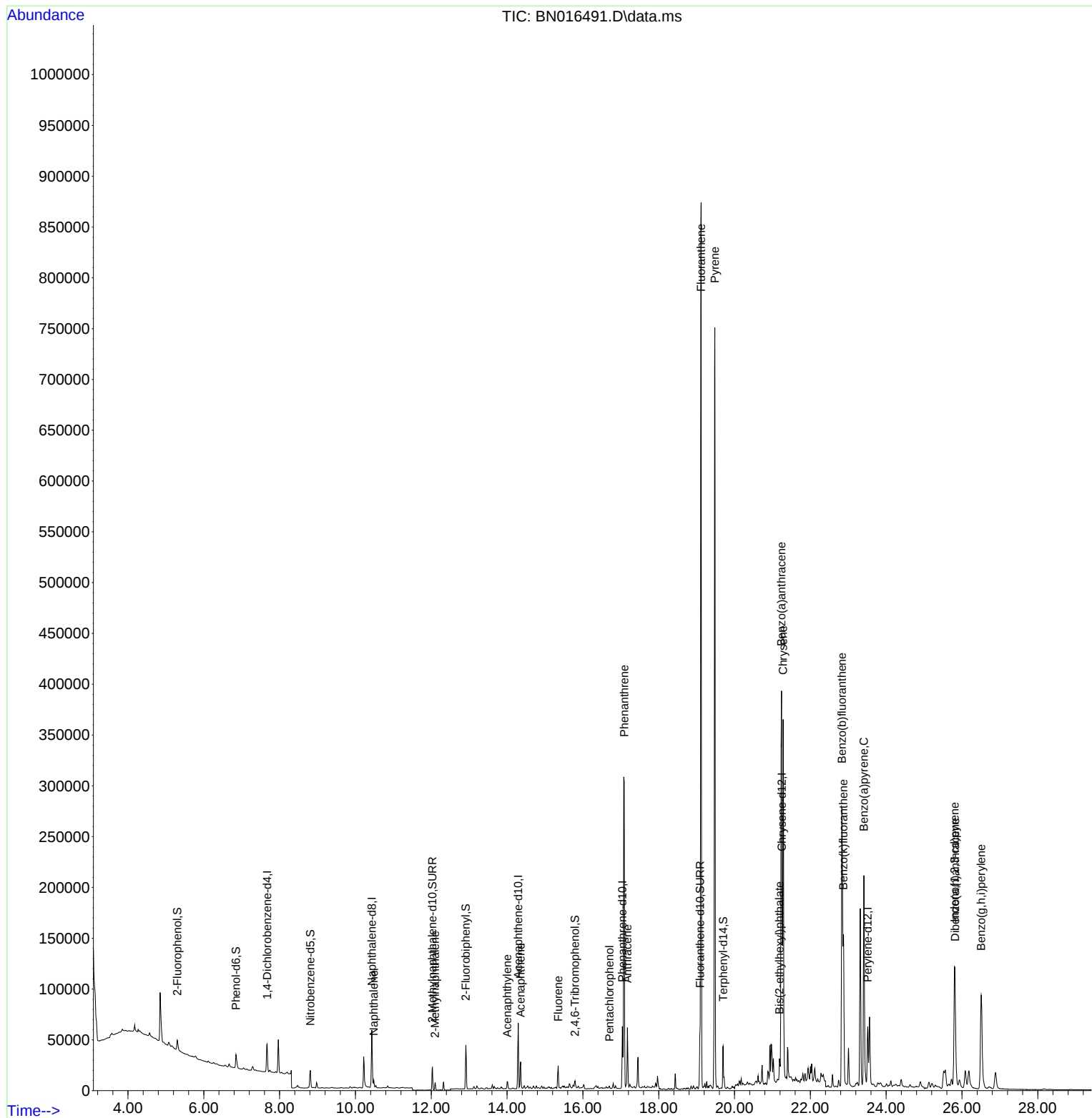
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
Data File : BN016491.D
Acq On : 26 Sep 2021 02:02
Operator : CG/JU
Sample : M3920-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

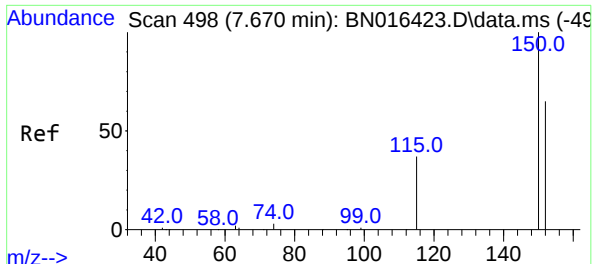
Instrument :
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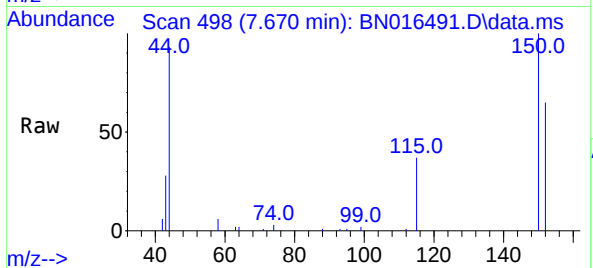
Quant Time: Sep 26 04:47:28 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN092421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 24 03:35:41 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.670 min Scan# 498
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

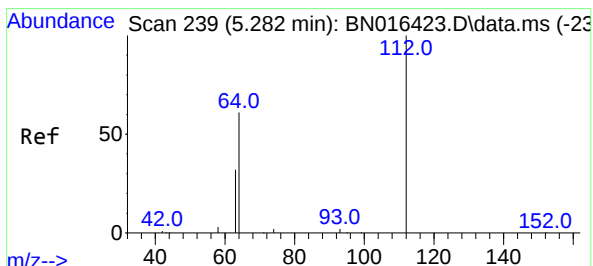
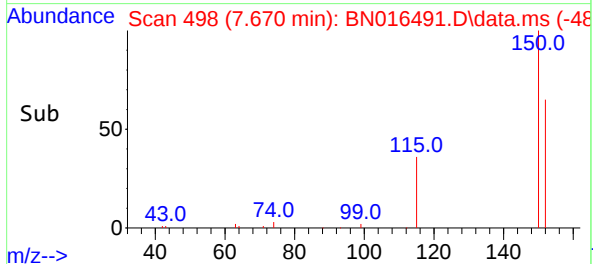
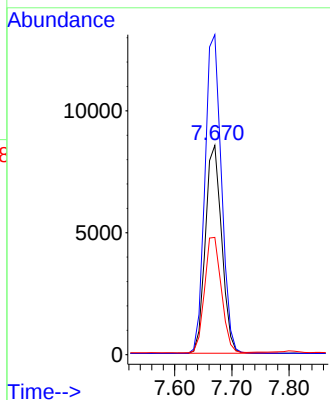
Instrument :
BNA_N
ClientSampleId :
S-814-N-SO-1-1.5-092321



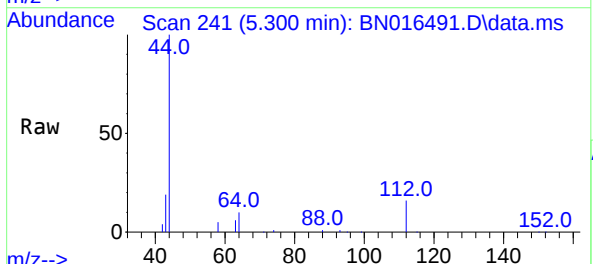
Tgt Ion:152 Resp: 16867
Ion Ratio Lower Upper
152 100
150 152.9 125.6 188.4
115 56.0 50.2 75.2

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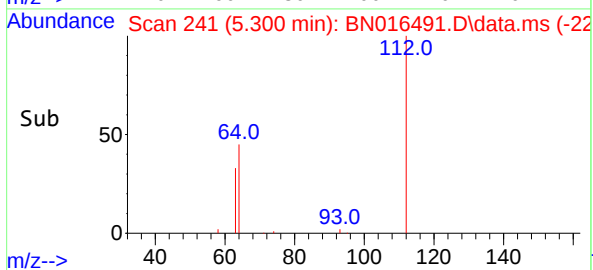
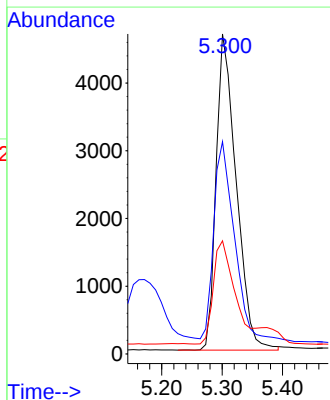
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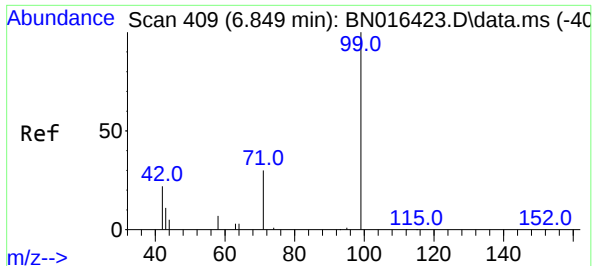


#4
2-Fluorophenol
Concen: 0.28 ng
RT: 5.300 min Scan# 241
Delta R.T. 0.019 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02



Tgt Ion:112 Resp: 10768
Ion Ratio Lower Upper
112 100
64 62.4 47.3 70.9
63 35.4 23.4 35.0#





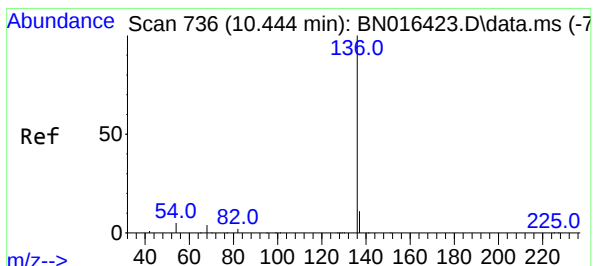
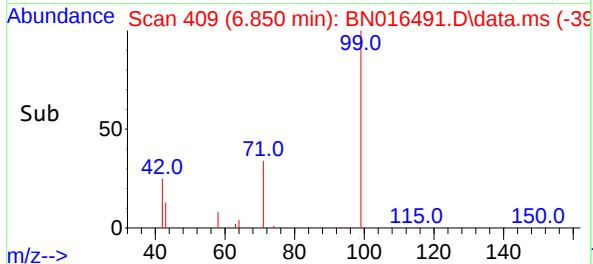
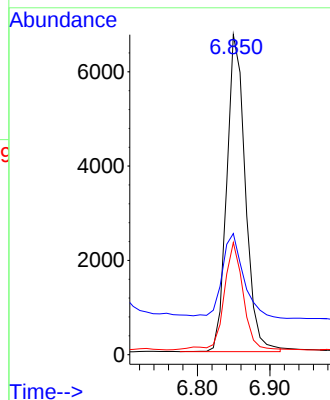
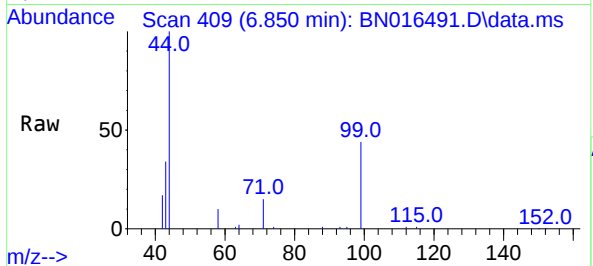
#5
Phenol-d6
Concen: 0.27 ng
RT: 6.850 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion: 99 Resp: 11989
Ion Ratio Lower Upper
99 100
42 30.6 14.0 21.0#
71 34.3 23.8 35.6

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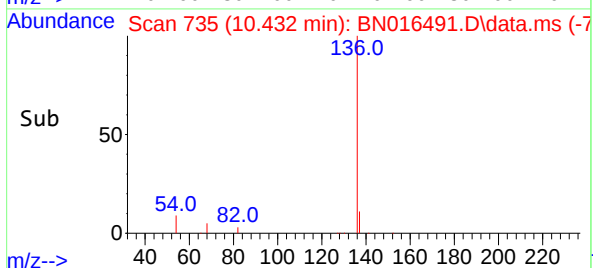
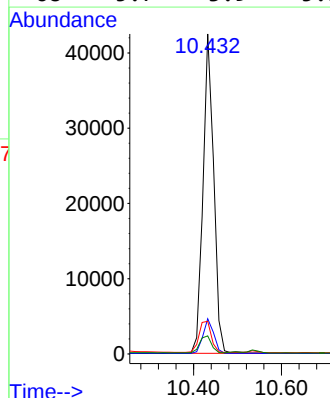
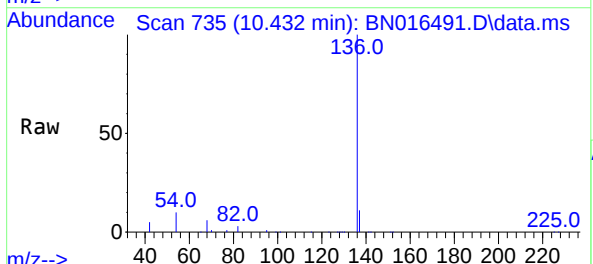
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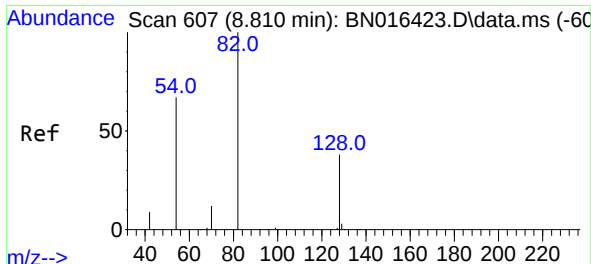
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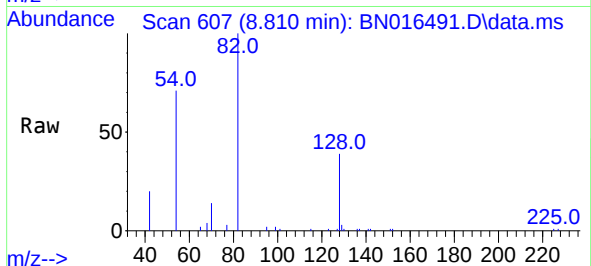
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.012 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion: 136 Resp: 71485
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.2 5.3 7.9#
68 5.7 3.9 5.9

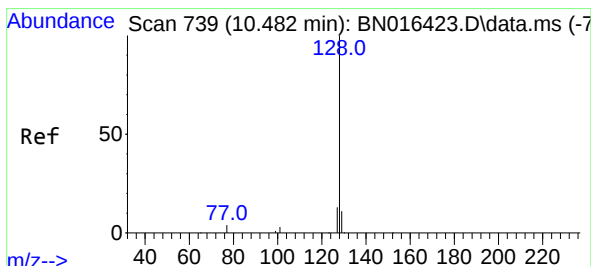
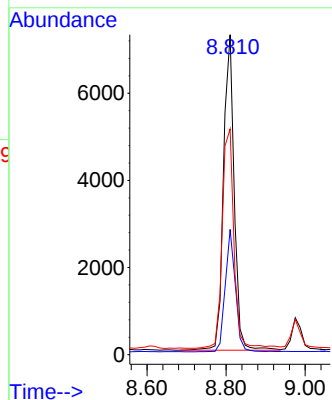
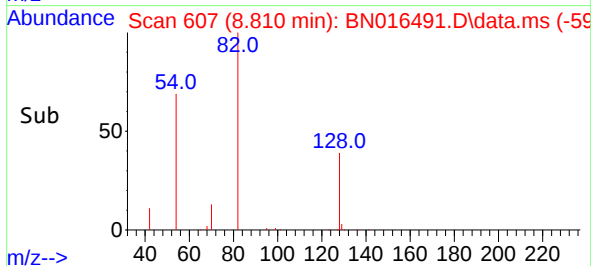




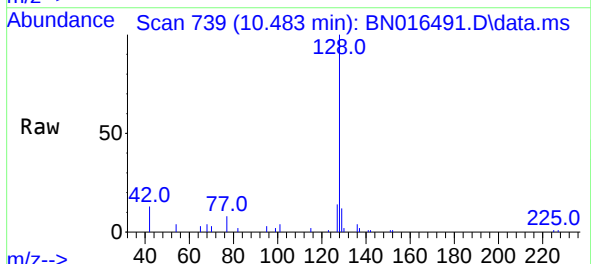
#8
Nitrobenzene-d5
Concen: 0.27 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02



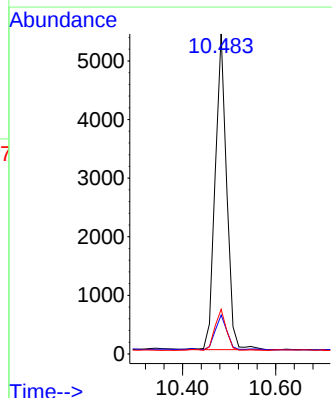
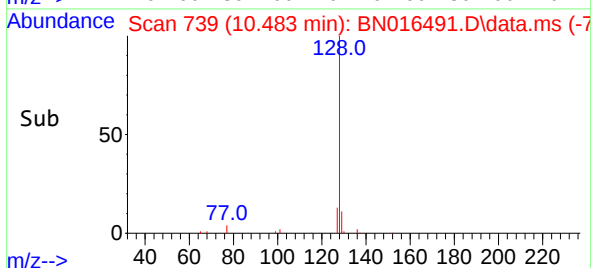
Tgt Ion: 82 Resp: 13560
Ion Ratio Lower Upper
82 100
128 39.2 31.7 47.5
54 70.6 46.4 69.6#



#9
Naphthalene
Concen: 0.05 ng
RT: 10.483 min Scan# 739
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02



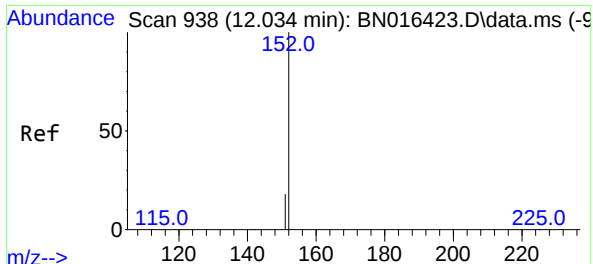
Tgt Ion: 128 Resp: 9208
Ion Ratio Lower Upper
128 100
129 12.1 8.9 13.3
127 14.0 10.1 15.1



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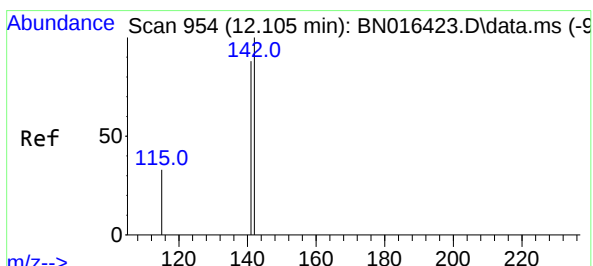
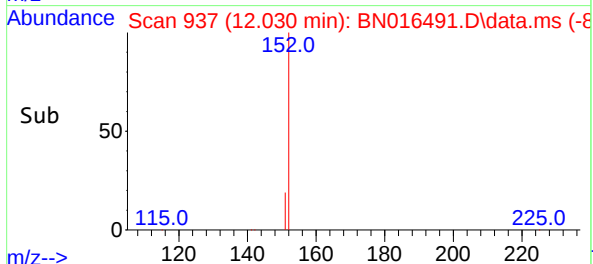
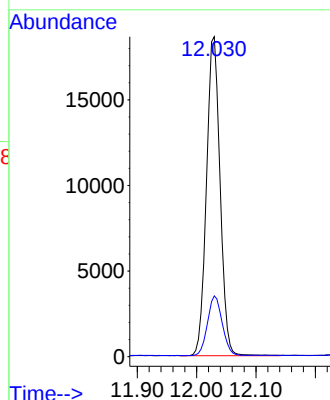
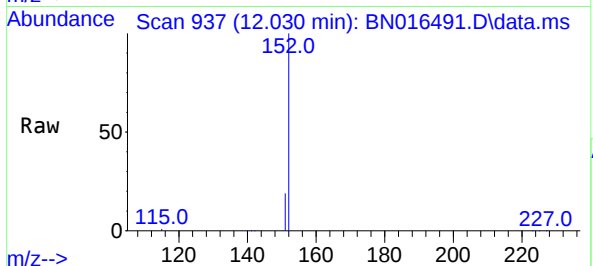
#11
2-Methylnaphthalene-d10
Concen: 0.28 ng
RT: 12.030 min Scan# 937
Delta R.T. -0.004 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:152 Resp: 29586
Ion Ratio Lower Upper
152 100
151 20.2 16.1 24.1

Instrument :
BNA_N
ClientSampleId :
S-814-N-SO-1-1.5-092321

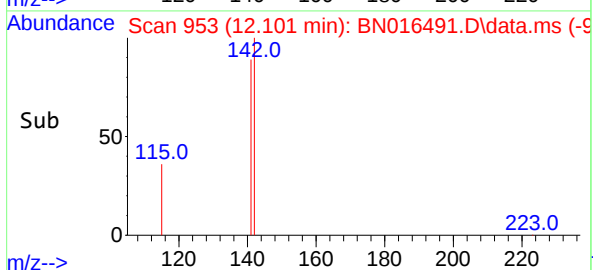
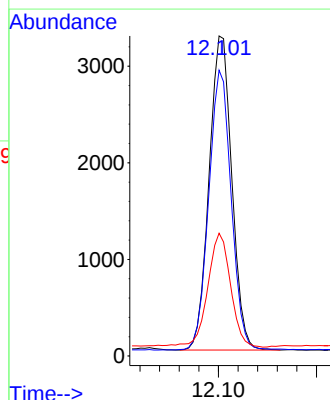
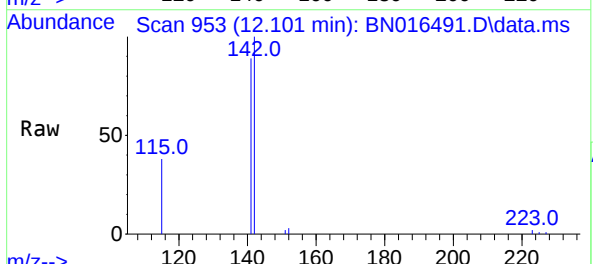
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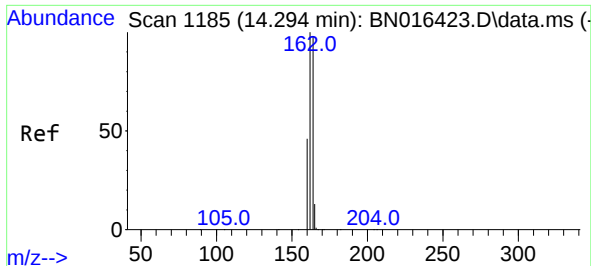
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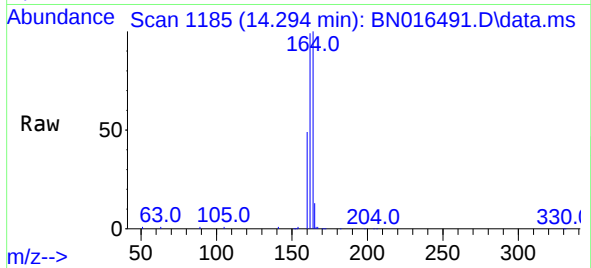
#12
2-Methylnaphthalene
Concen: 0.04 ng
RT: 12.101 min Scan# 953
Delta R.T. -0.004 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:142 Resp: 5232
Ion Ratio Lower Upper
142 100
141 89.3 69.8 104.8
115 38.3 24.4 36.6#



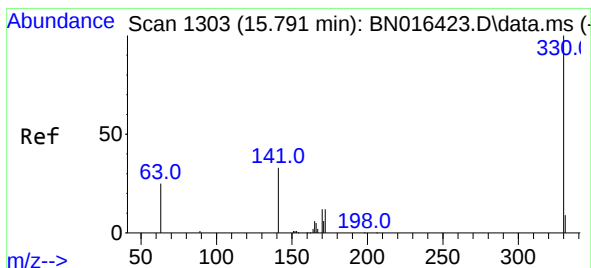
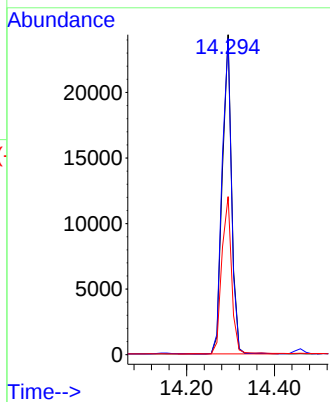
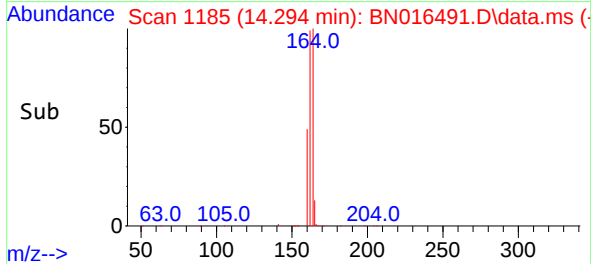


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

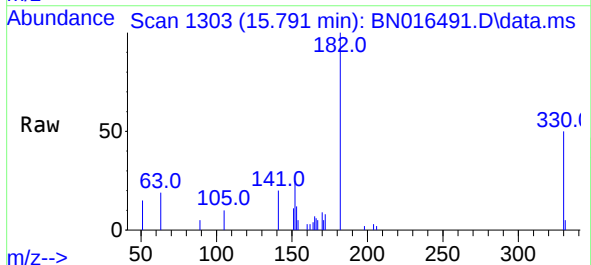


Tgt Ion:164 Resp: 35729

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.0	118.4
160	49.4	34.1	51.1

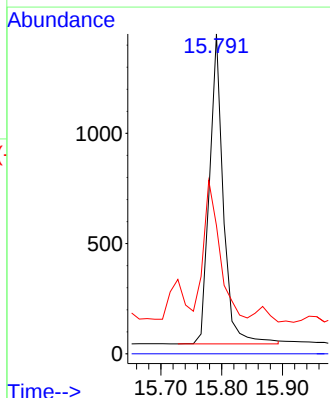
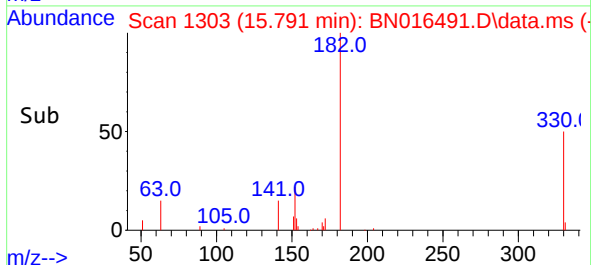


#14
2,4,6-Tribromophenol
Concen: 0.29 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02



Tgt Ion:330 Resp: 2225

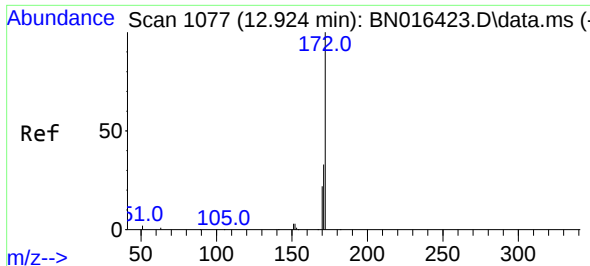
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	50.3	25.0	37.4



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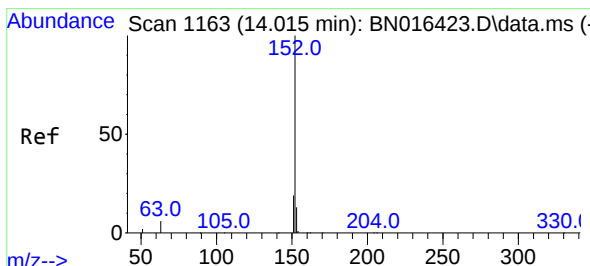
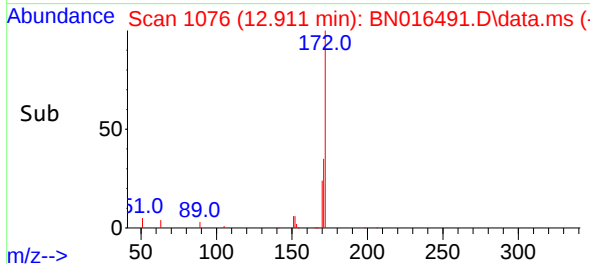
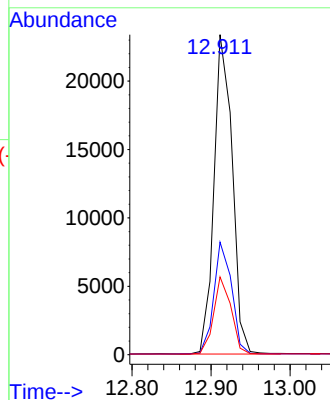
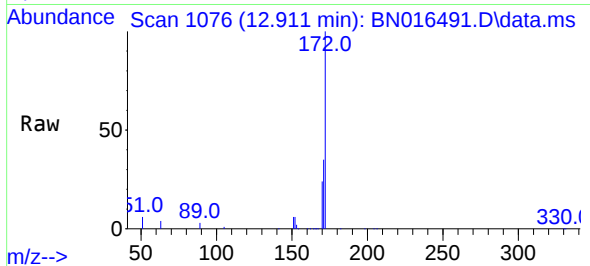
#15
2-Fluorobiphenyl
Concen: 0.25 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.012 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:	172	Resp:	37480
Ion Ratio	Lower	Upper	
172	100		
171	35.2	27.8	41.6
170	24.3	18.2	27.2

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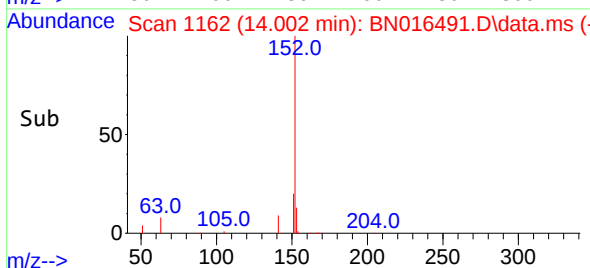
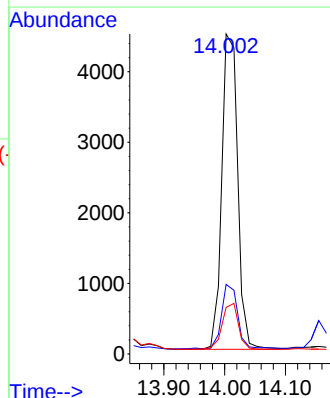
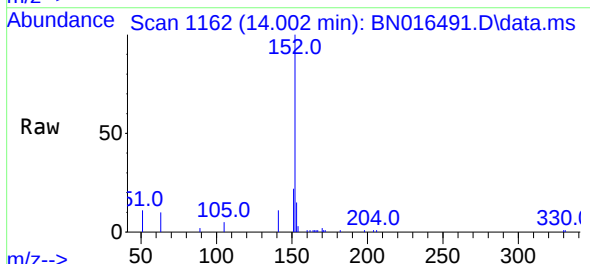
Manual Integrations
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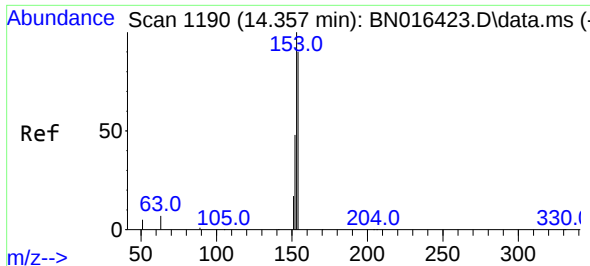
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#16
Acenaphthylene
Concen: 0.06 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

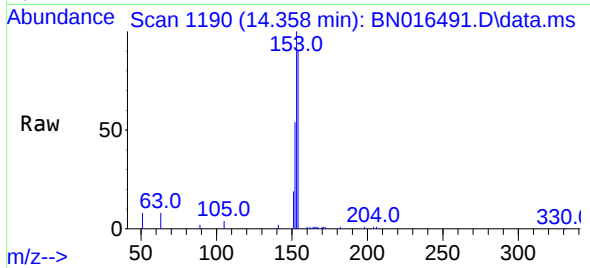
Tgt Ion:	152	Resp:	8104
Ion Ratio	Lower	Upper	
152	100		
151	21.0	15.2	22.8
153	14.9	10.5	15.7





#17
Acenaphthene
Concen: 0.13 ng
RT: 14.358 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

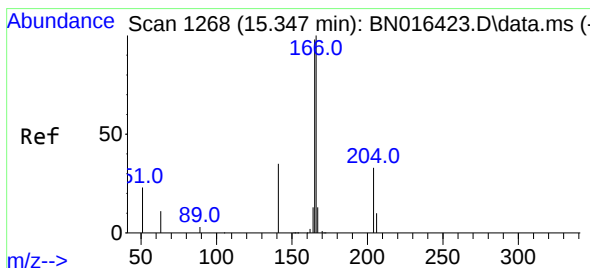
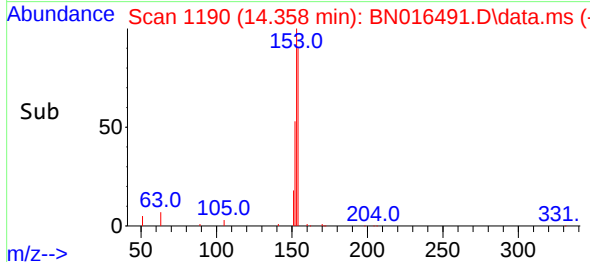
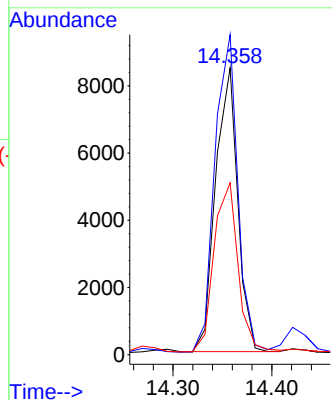
Instrument :
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ClientSampleId :
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Tgt Ion:154 Resp: 13124
Ion Ratio Lower Upper
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153 115.5 89.3 133.9
152 65.6 42.2 63.4#

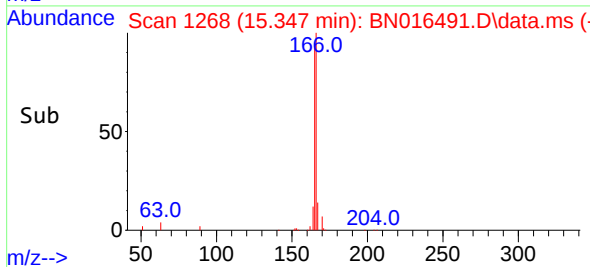
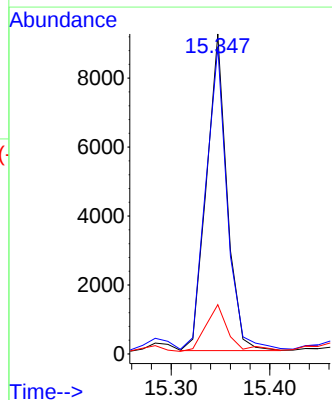
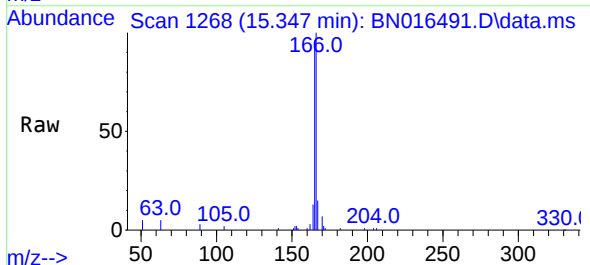
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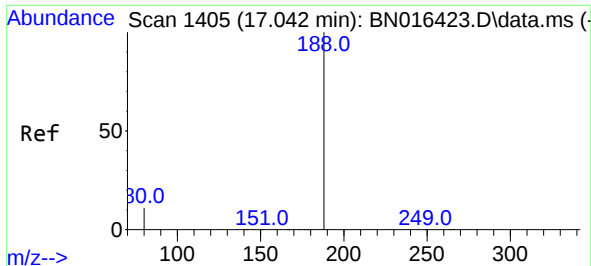
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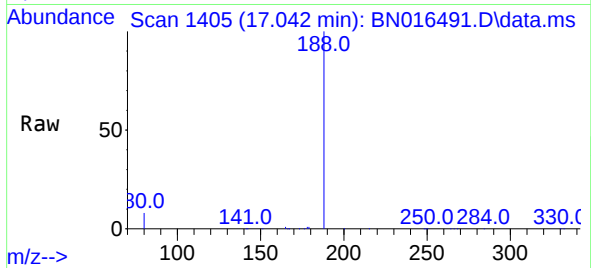
#18
Fluorene
Concen: 0.11 ng m
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:166 Resp: 13258
Ion Ratio Lower Upper
166 100
165 98.4 76.7 115.1
167 16.7 10.9 16.3#

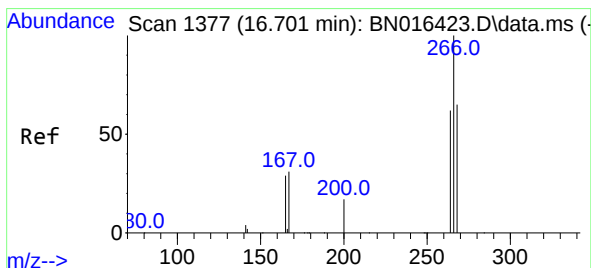
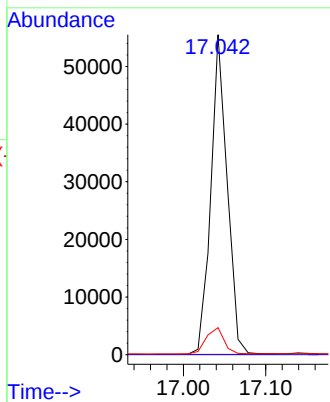
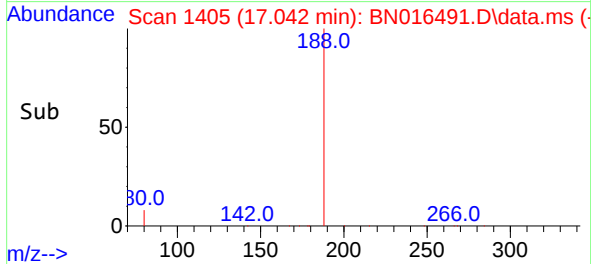




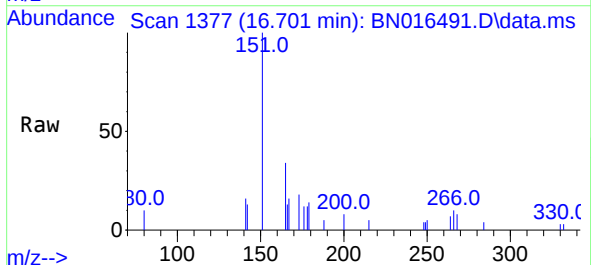
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02



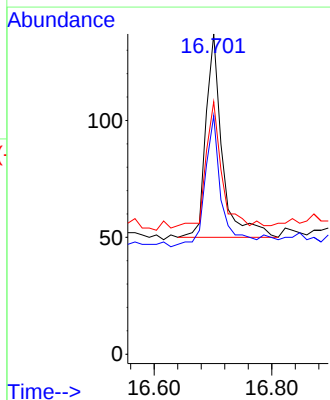
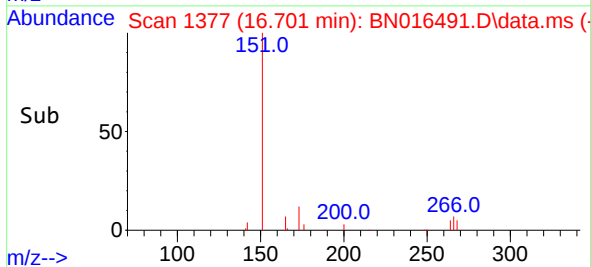
Tgt Ion:188 Resp: 76317
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.5 7.0 10.6



#24
Pentachlorophenol
Concen: 0.25 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02



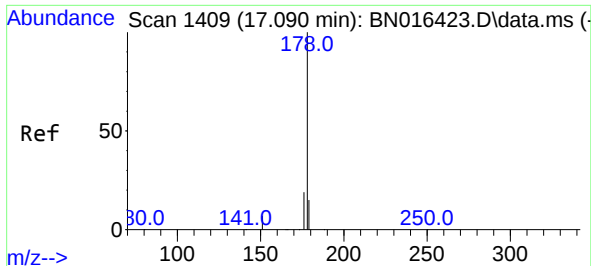
Tgt Ion:266 Resp: 168
Ion Ratio Lower Upper
266 100
264 64.9 50.6 75.8
268 55.4 52.6 79.0



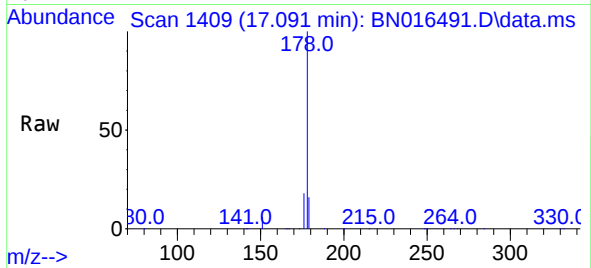
Instrument :
BNA_N
ClientSampleId :
S-814-N-SO-1-1.5-092321

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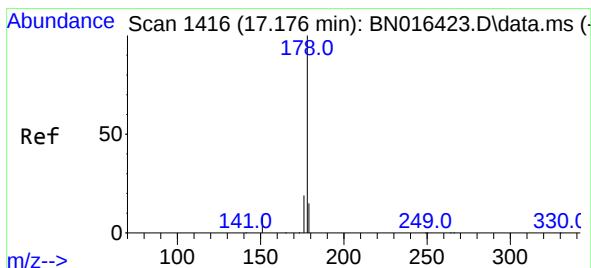
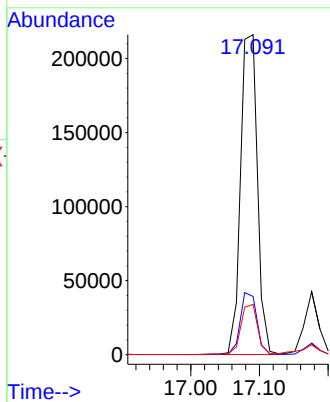
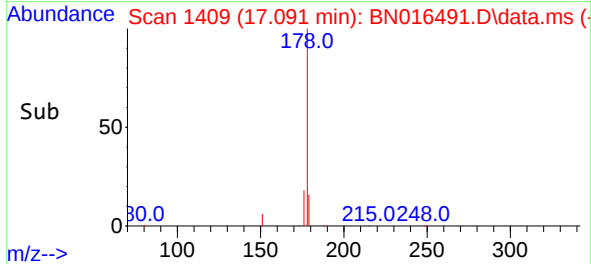
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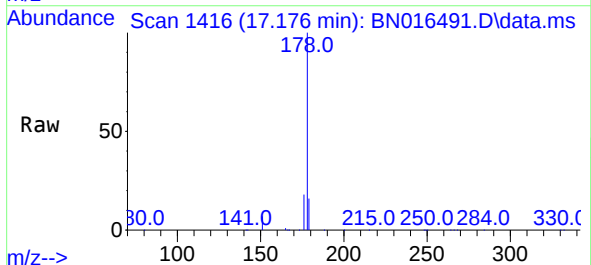
#25
Phenanthrene
Concen: 1.63 ng
RT: 17.091 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02



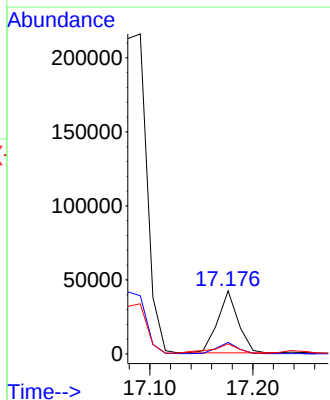
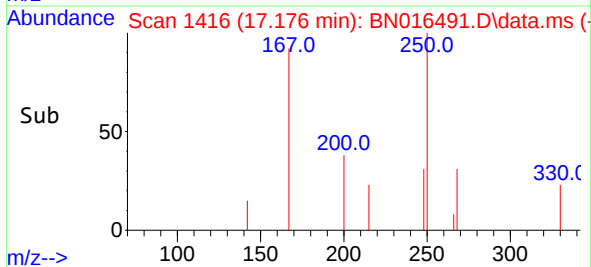
Tgt Ion:178 Resp: 370205
Ion Ratio Lower Upper
178 100
176 18.9 14.4 21.6
179 15.6 12.2 18.4



#26
Anthracene
Concen: 0.31 ng
RT: 17.176 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02



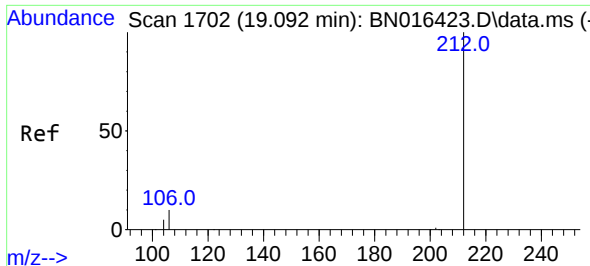
Tgt Ion:178 Resp: 57804
Ion Ratio Lower Upper
178 100
176 19.0 13.9 20.9
179 19.1 12.2 18.4#



Instrument :
BNA_N
ClientSampleId :
S-814-N-SO-1-1.5-092321

Manual Integrations
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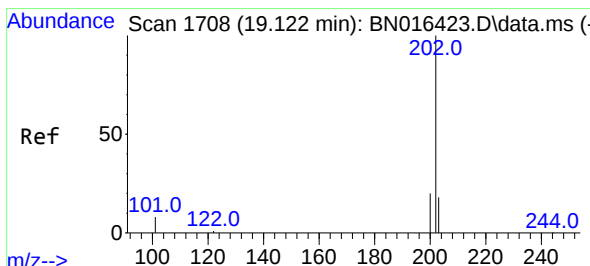
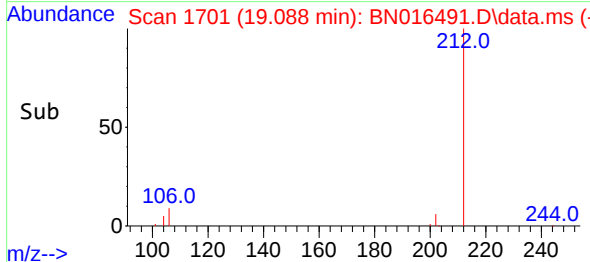
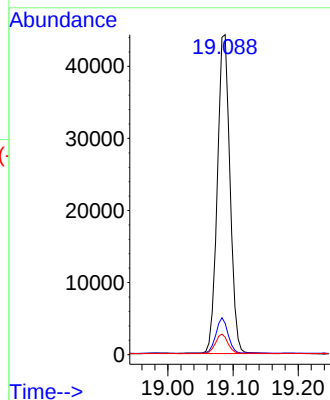
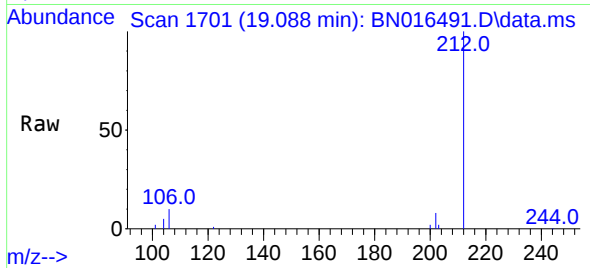
#27
Fluoranthene-d10
Concen: 0.28 ng
RT: 19.088 min Scan# 1701
Delta R.T. -0.005 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:	212	Resp:	59659
Ion Ratio	Lower	Upper	
212	100		
106	10.7	9.8	14.6
104	6.2	5.4	8.2

Instrument :
BNA_N
ClientSampleId :
S-814-N-SO-1-1.5-092321

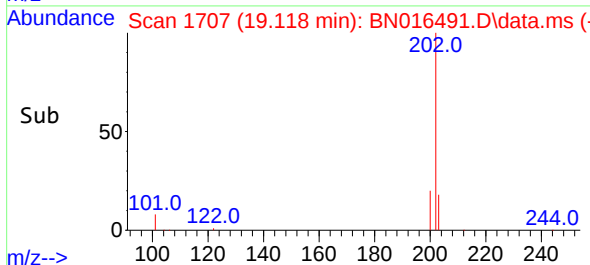
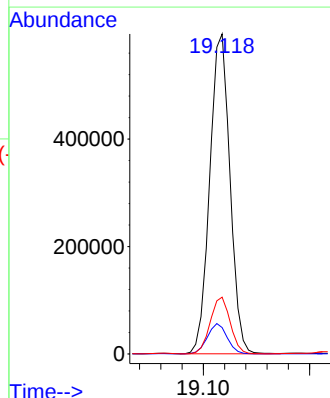
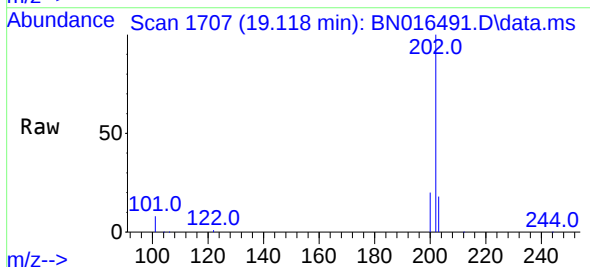
Manual Integrations
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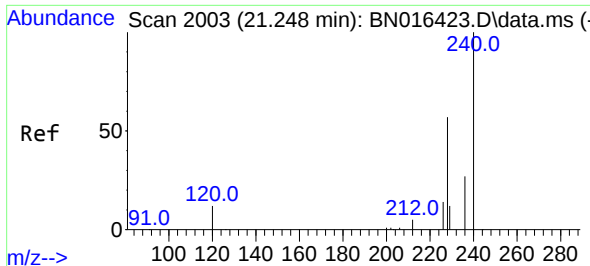
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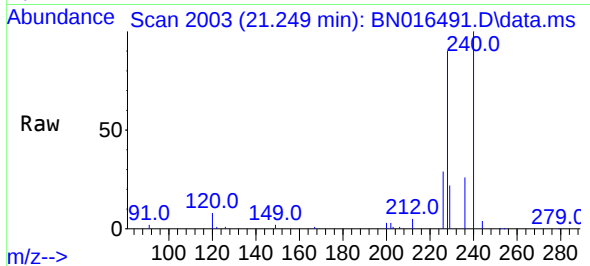
#28
Fluoranthene
Concen: 3.16 ng
RT: 19.118 min Scan# 1707
Delta R.T. -0.005 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:	202	Resp:	785902
Ion Ratio	Lower	Upper	
202	100		
101	9.2	8.5	12.7
203	17.5	13.8	20.8

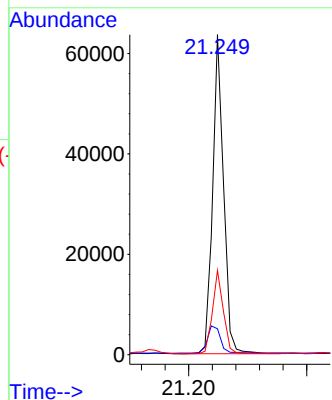




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02



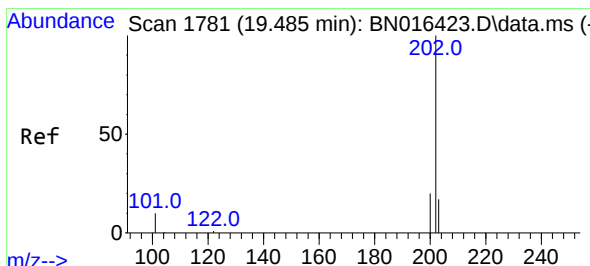
Tgt Ion:240 Resp: 81689
Ion Ratio Lower Upper
240 100
120 8.1 5.3 7.9#
236 26.3 19.8 29.8



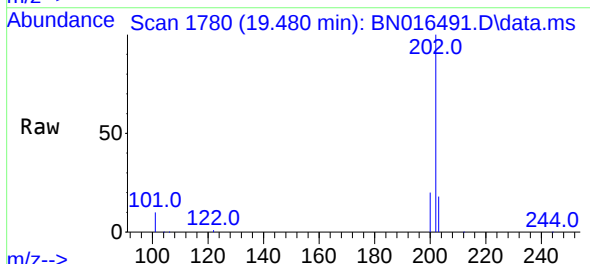
Instrument :
BNA_N
ClientSampleId :
S-814-N-SO-1-1.5-092321

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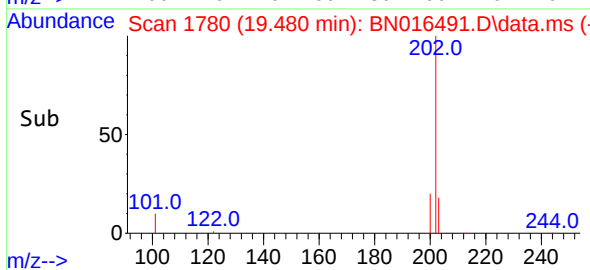
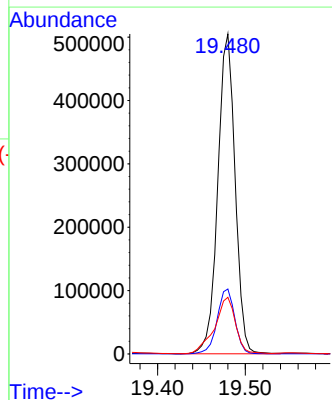
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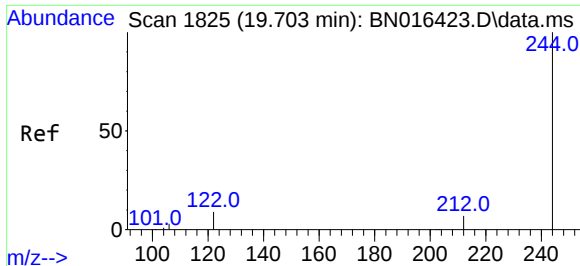


#30
Pyrene
Concen: 2.70 ng
RT: 19.480 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02



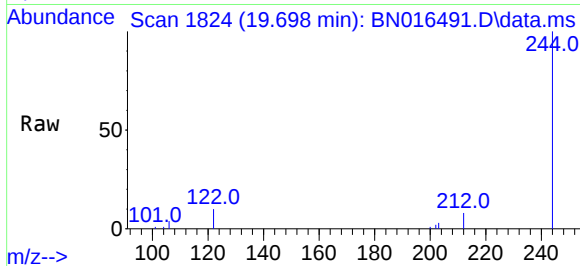
Tgt Ion:202 Resp: 690915
Ion Ratio Lower Upper
202 100
200 20.7 15.8 23.6
203 21.2 13.9 20.9#





#31
Terphenyl-d14
Concen: 0.22 ng
RT: 19.698 min Scan# 1824
Delta R.T. -0.005 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

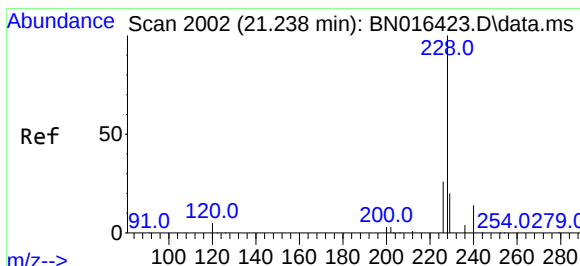
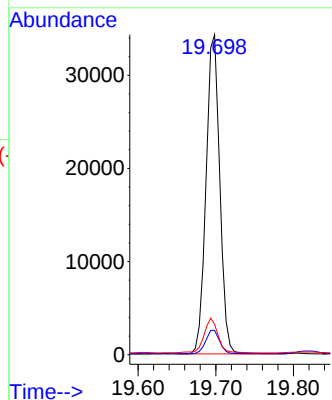
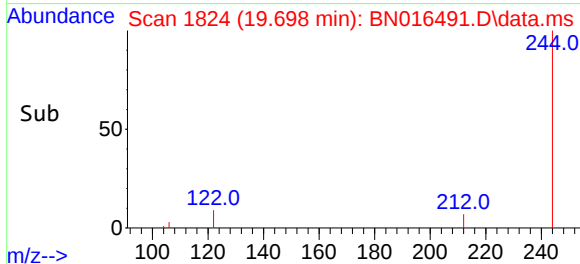
Instrument :
BNA_N
ClientSampleId :
S-814-N-SO-1-1.5-092321



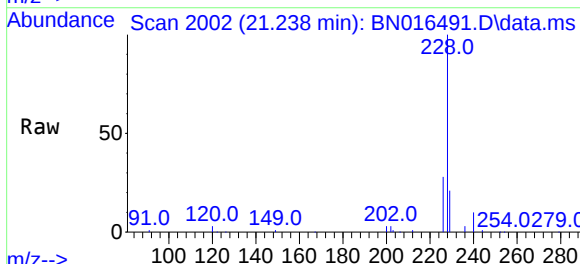
Tgt Ion:244 Resp: 42175
Ion Ratio Lower Upper
244 100
212 7.6 5.5 8.3
122 9.5 9.0 13.4

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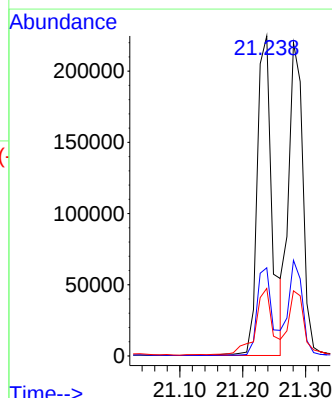
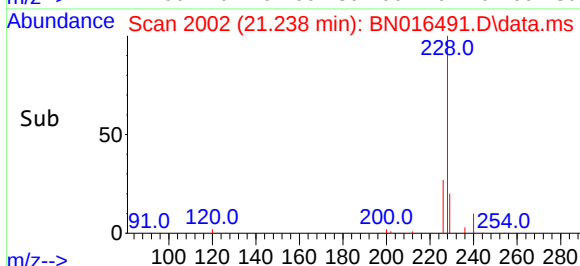
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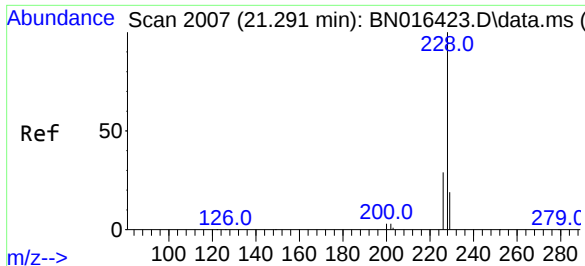


#32
Benzo(a)anthracene
Concen: 1.56 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02



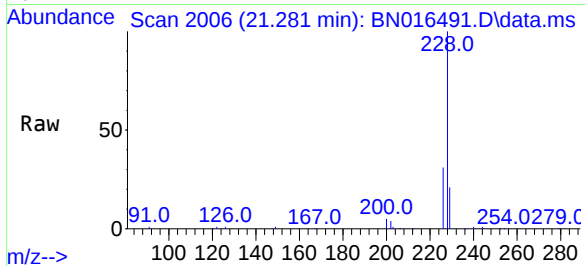
Tgt Ion:228 Resp: 369679
Ion Ratio Lower Upper
228 100
226 27.5 20.8 31.2
229 21.1 15.8 23.6





#33
Chrysene
Concen: 1.34 ng
RT: 21.281 min Scan# 2006
Delta R.T. -0.010 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

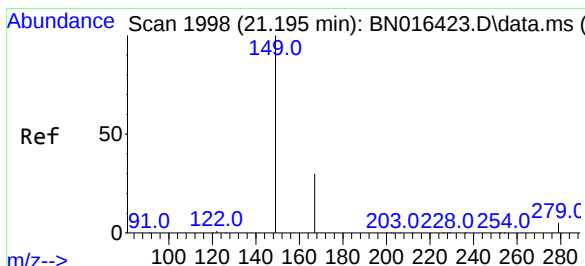
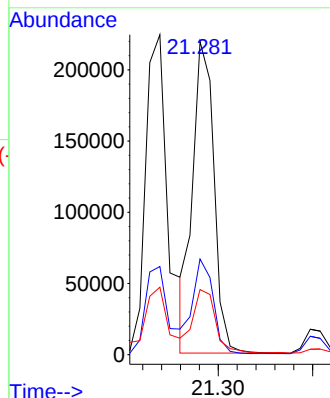
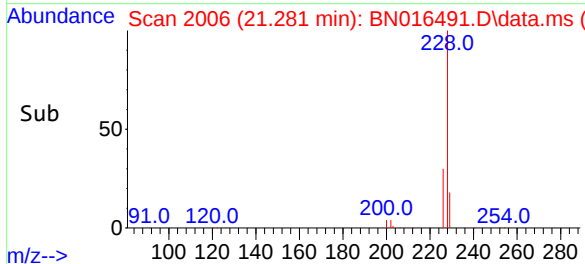
Instrument :
BNA_N
ClientSampleId :
S-814-N-SO-1-1.5-092321



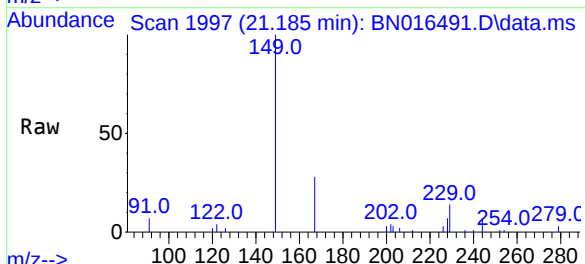
Tgt Ion:228 Resp: 341720
Ion Ratio Lower Upper
228 100
226 30.5 23.0 34.4
229 20.8 15.6 23.4

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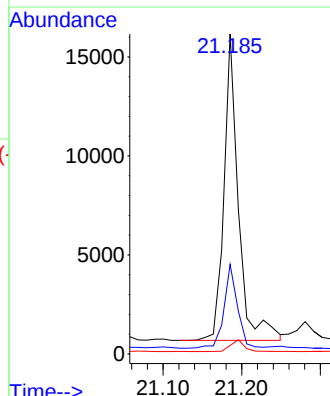
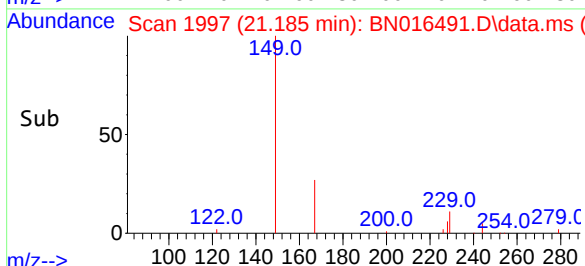
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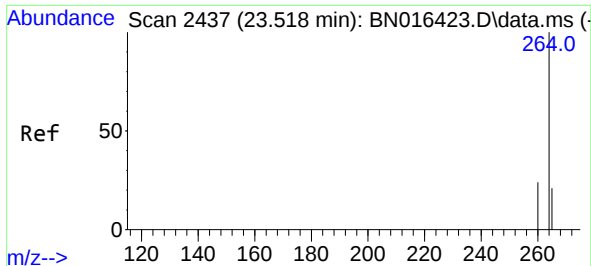


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.30 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.010 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02



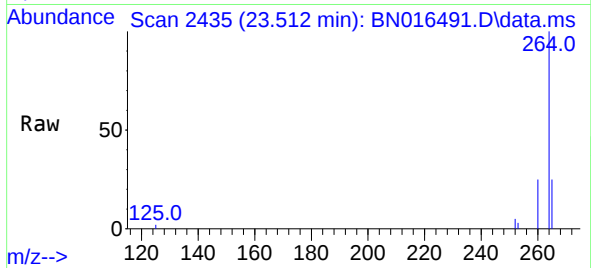
Tgt Ion:149 Resp: 19623
Ion Ratio Lower Upper
149 100
167 25.6 23.4 35.0
279 3.7 3.9 5.9





#35
Perylene-d12
Concen: 0.40 ng
RT: 23.512 min Scan# 2435
Delta R.T. -0.006 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

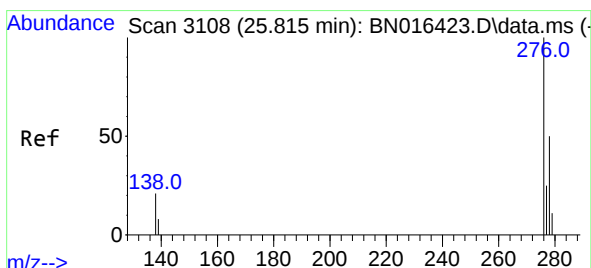
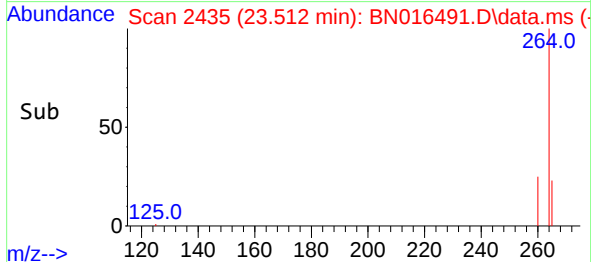
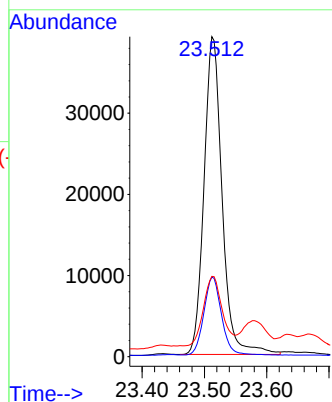
Instrument :
BNA_N
ClientSampleId :
S-814-N-SO-1-1.5-092321



Tgt Ion:264 Resp: 79001
Ion Ratio Lower Upper
264 100
260 24.9 18.9 28.3
265 25.1 23.7 35.5

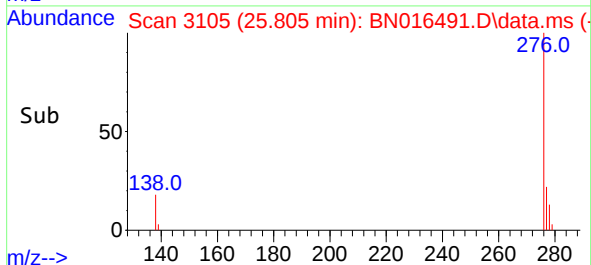
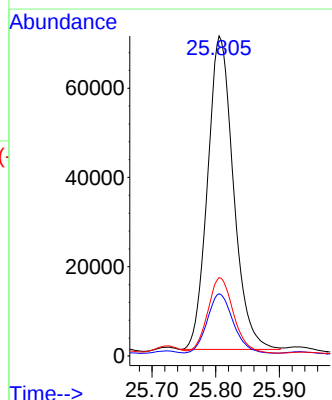
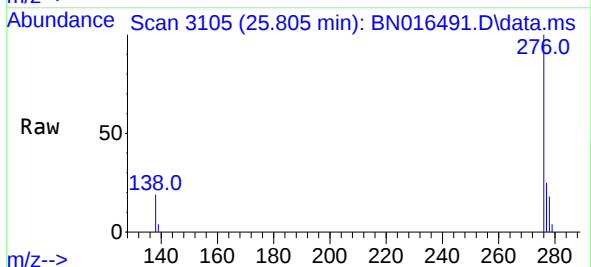
Manual Integrations
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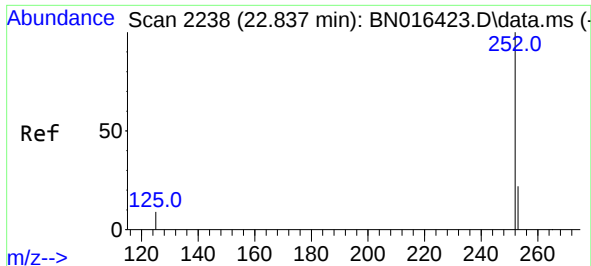
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#36
Indeno(1,2,3-cd)pyrene
Concen: 0.77 ng
RT: 25.805 min Scan# 3105
Delta R.T. -0.010 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:276 Resp: 197984
Ion Ratio Lower Upper
276 100
138 19.1 19.3 28.9#
277 24.1 20.2 30.2





#37

Benzo(b)fluoranthene

Concen: 1.75 ng

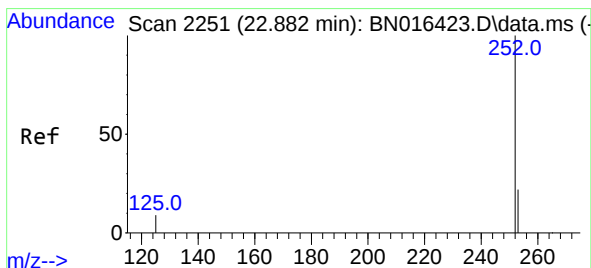
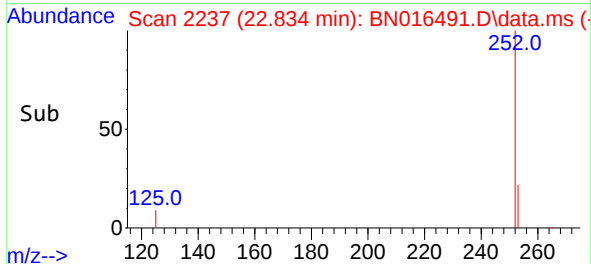
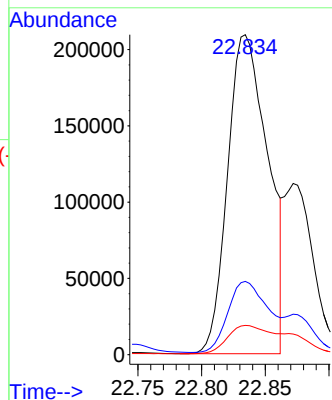
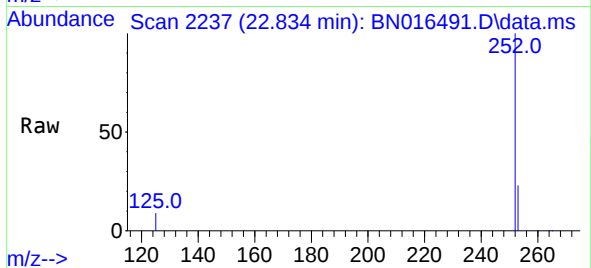
RT: 22.834 min Scan# 2237

Delta R.T. -0.003 min

Lab File: BN016491.D

Acq: 26 Sep 2021 02:02

Tgt Ion:	252	Resp:	460718
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.2	27.2
125	9.2	8.4	12.6



#38

Benzo(k)fluoranthene

Concen: 0.69 ng m

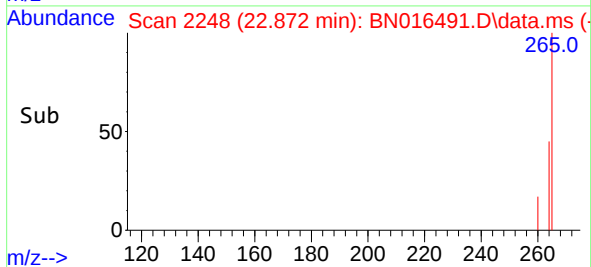
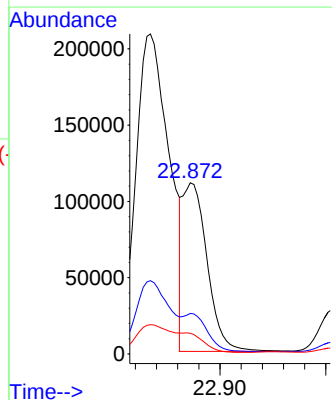
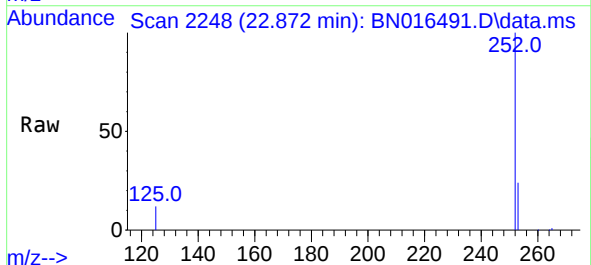
RT: 22.872 min Scan# 2248

Delta R.T. -0.010 min

Lab File: BN016491.D

Acq: 26 Sep 2021 02:02

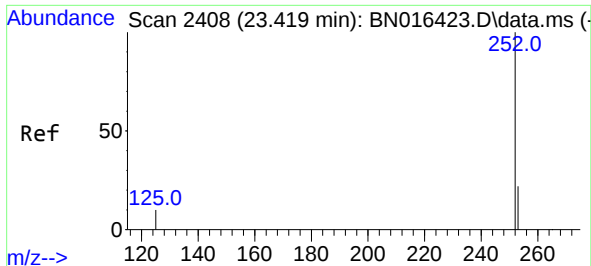
Tgt Ion:	252	Resp:	176665
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.2	27.2
125	12.1	8.2	12.4



Instrument :
BNA_N
ClientSampleId :
S-814-N-SO-1-1.5-092321

Manual Integrations
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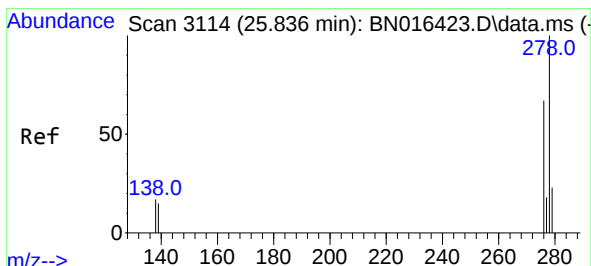
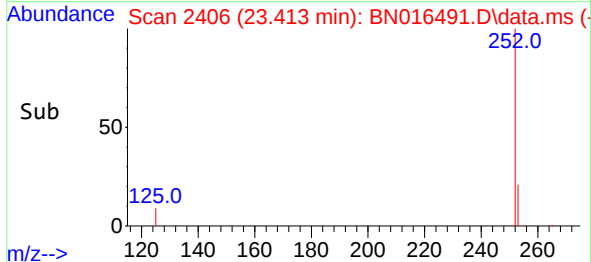
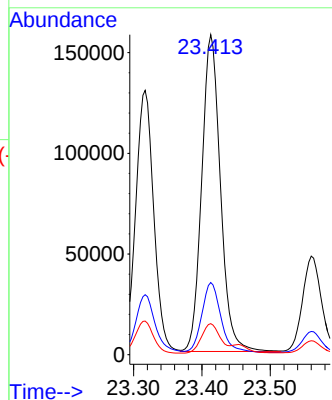
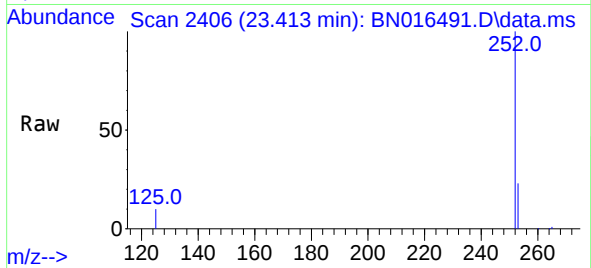
#39
Benzo(a)pyrene
Concen: 1.39 ng m
RT: 23.413 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:252 Resp: 299443
Ion Ratio Lower Upper
252 100
253 22.6 18.7 28.1
125 9.7 9.9 14.9#

Instrument :
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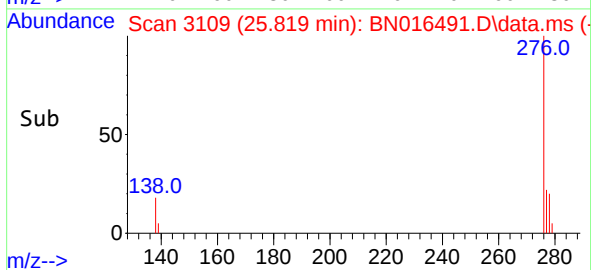
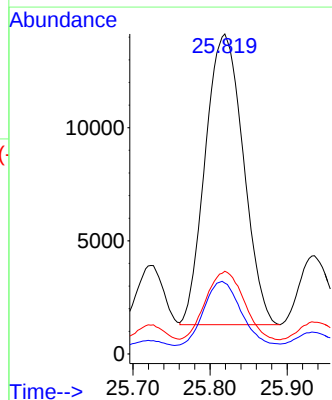
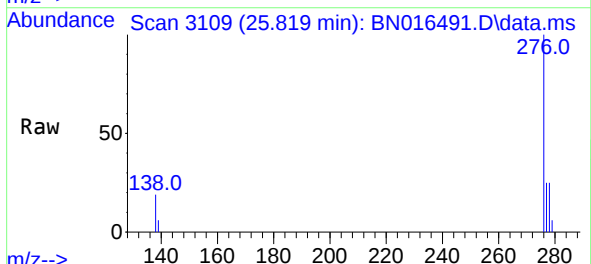
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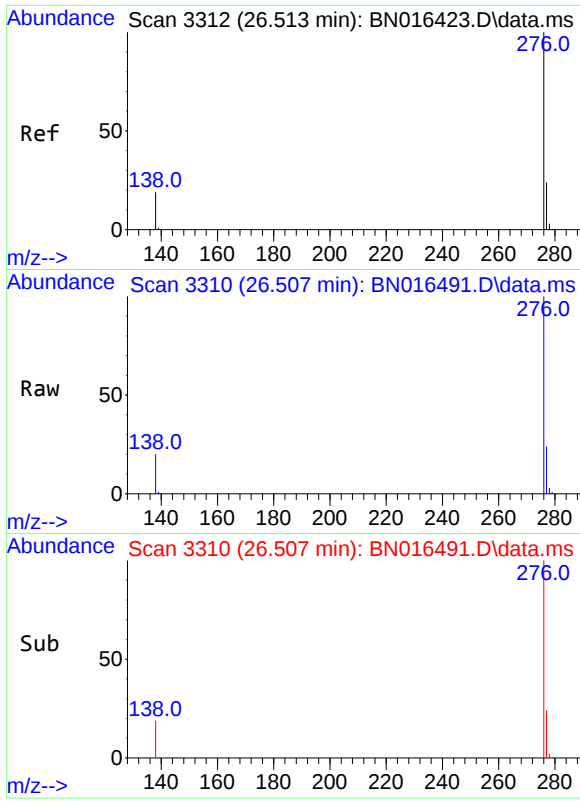
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#40
Dibenzo(a,h)anthracene
Concen: 0.20 ng
RT: 25.819 min Scan# 3109
Delta R.T. -0.017 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

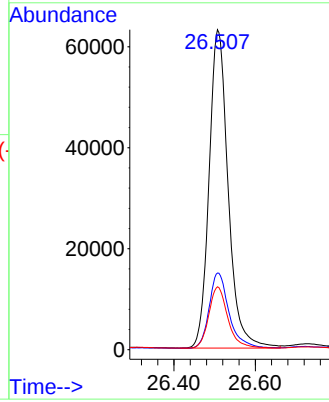
Tgt Ion:278 Resp: 43965
Ion Ratio Lower Upper
278 100
139 22.2 14.2 21.2#
279 25.9 21.3 31.9





#41
Benzo(g,h,i)perylene
Concen: 0.92 ng
RT: 26.507 min Scan# 3310
Delta R.T. -0.006 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:	276	Resp:	205523
Ion Ratio	Lower	Upper	
276	100		
277	23.9	20.5	30.7
138	19.6	18.2	27.4



Instrument :
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