

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081721\
 Data File : BN015968.D
 Acq On : 19 Aug 2021 11:49
 Operator : CG/JU
 Sample : M3399-05 30X
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBKA7

Manual Integrations
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Quant Time: Aug 19 12:30:16 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081621MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 17 09:43:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	254769	20.000	ng/u1	0.00
20) Naphthalene-d8	10.710	136	1065248	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.551	164	666300	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.304	188	1277921	20.000	ng/u1	0.00
79) Chrysene-d12	21.486	240	1312648	20.000	ng/u1	0.00
88) Perylene-d12	23.910	264	1341643	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	1270	0.194	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.058	99	7288	0.316	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.228	67	20079	1.415	ng/u1	0.00
11) 2-Chlorophenol-d4	7.428	132	17241	1.051	ng/u1	0.00
15) 4-Methylphenol-d8	8.605	113	12311	0.687	ng/u1	0.00
21) Nitrobenzene-d5	9.063	128	14614m	1.864	ng/u1	0.00
24) 2-Nitrophenol-d4	9.793	143	9314	1.269	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.328	165	18921	1.192	ng/u1	0.00
31) 4-Chloroaniline-d4	10.828	131	46466	1.922	ng/u1	-0.02
46) Dimethylphthalate-d6	13.957	166	74201	1.520	ng/u1	0.00
49) Acenaphthylene-d8	14.240	160	87196	1.426	ng/u1	0.00
54) 4-Nitrophenol-d4	14.734	143	467	0.054	ng/u1	0.00
60) Fluorene-d10	15.539	176	63977	1.502	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.669	200	17855	2.616	ng/u1	0.01
73) Anthracene-d10	17.398	188	104113m	1.738	ng/u1	0.00
81) Pyrene-d10	19.692	212	116650	1.650	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.745	264	105396	1.453	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.763	128	16184316	283.672	ng/u1	99
36) 2-Methylnaphthalene	12.381	142	7298946	183.971	ng/u1	97
37) 1-Methylnaphthalene	12.593	142	3504833	88.751	ng/u1	99
43) 1,1'-Biphenyl	13.381	154	2146494	41.661	ng/u1	99
50) Acenaphthylene	14.269	152	295133	5.077	ng/u1#	87
52) Acenaphthene	14.616	153	8129873	193.347	ng/u1	99
56) Dibenzofuran	14.951	168	6858806	117.985	ng/u1	99
58) 2,3,4,6-Tetrachlorophenol	15.175	232	280259	26.321	ng/u1#	98
61) Fluorene	15.598	166	6046196	127.455	ng/u1	99
71) Pentachlorophenol	16.957	266	1828065	203.338	ng/u1	97
72) Phenanthrene	17.345	178	18695904m	269.116	ng/u1	
74) Anthracene	17.433	178	2609630	36.794	ng/u1	97
77) Carbazole	17.704	167	2264950	36.321	ng/u1	98
80) Fluoranthene	19.363	202	14315284	167.344	ng/u1#	93
82) Pyrene	19.727	202	10844486	121.804	ng/u1	97
85) Benzo(a)anthracene	21.469	228	2943846	34.856	ng/u1	99
87) Chrysene	21.521	228	2316885	28.334	ng/u1	94
90) Benzo(b)fluoranthene	23.174	252	1750898	19.850	ng/u1	98
91) Benzo(k)fluoranthene	23.210	252	506317m	5.765	ng/u1	
93) Benzo(a)pyrene	23.798	252	994381	12.454	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.409	276	313961	3.171	ng/u1	98
95) Dibenzo(a,h)anthracene	26.409	278	86584m	1.059	ng/u1	
96) Benzo(g,h,i)perylene	27.186	276	252646	3.086	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

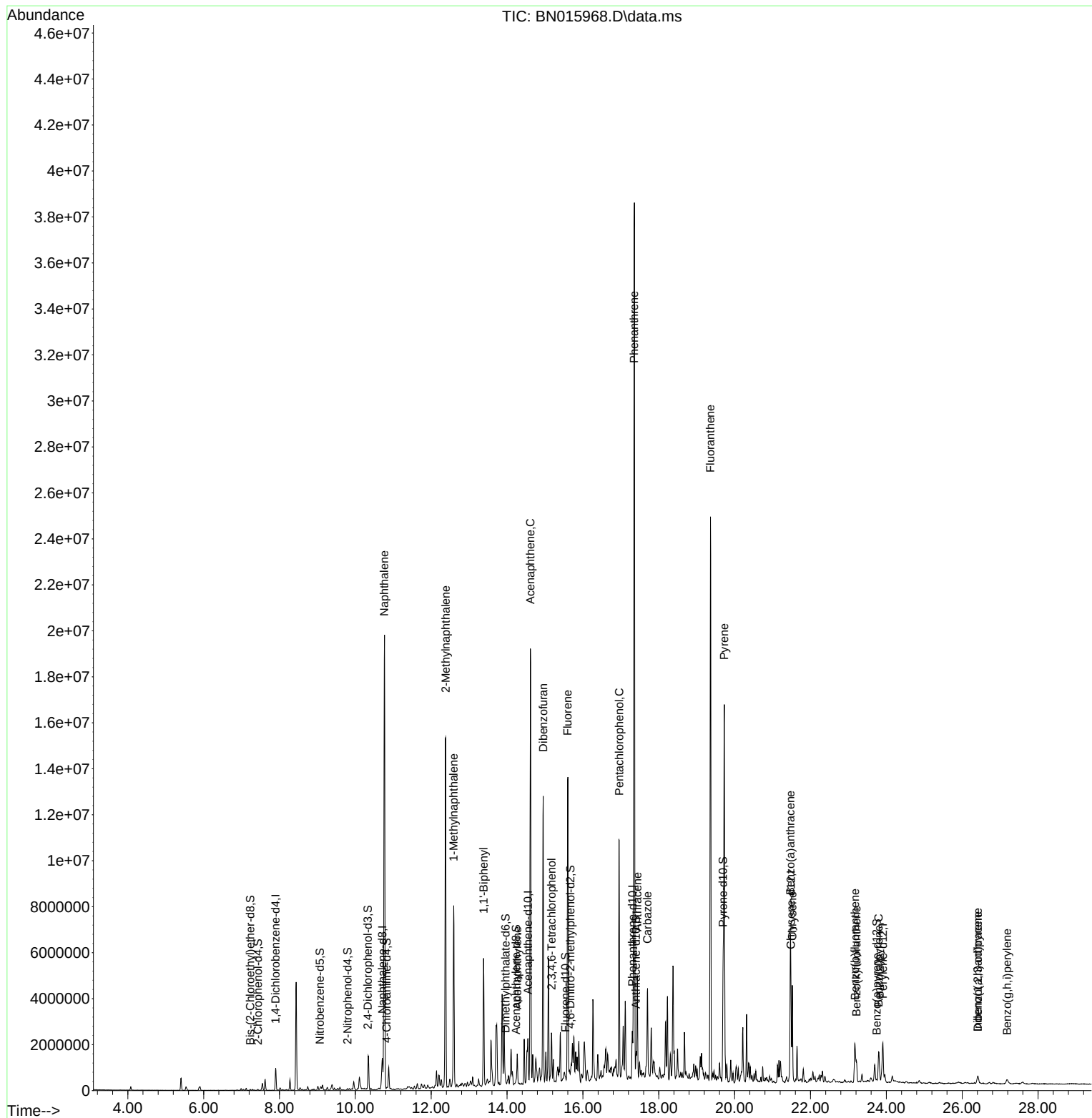
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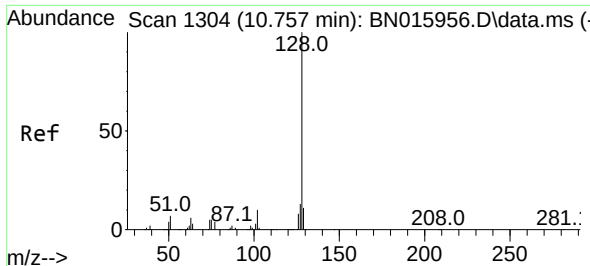
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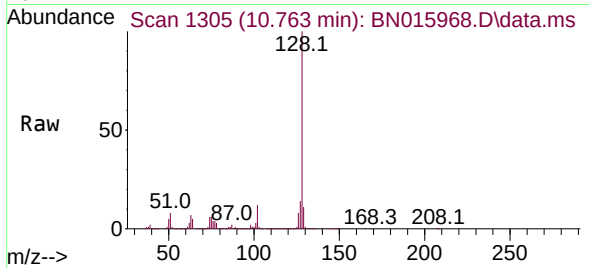
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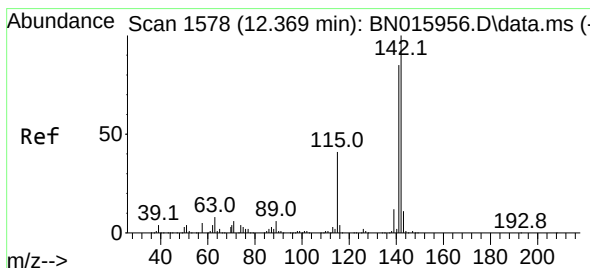
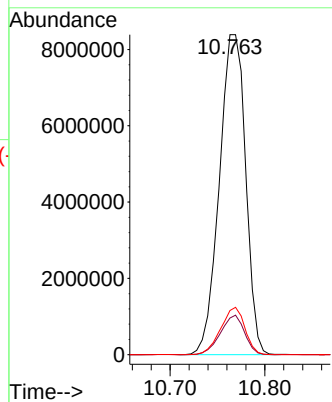
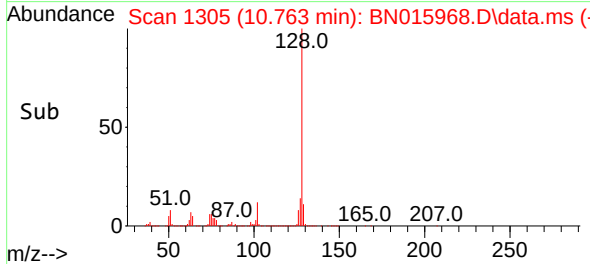




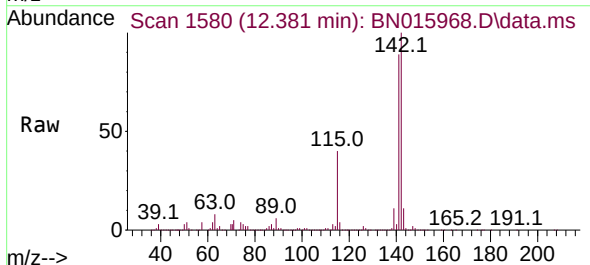
#30
Naphthalene
Concen: 283.672 ng/ul
RT: 10.763 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BN015968.D
Acq: 19 Aug 2021 11:49



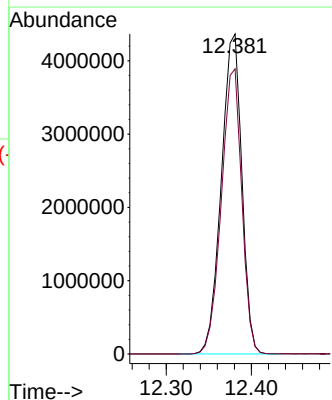
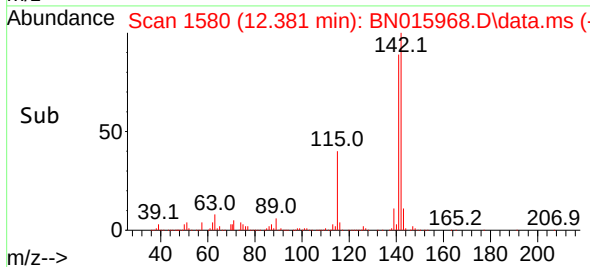
Tgt Ion:128 Resp:16184316
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.8 11.1 16.7



#36
2-Methylnaphthalene
Concen: 183.971 ng/ul
RT: 12.381 min Scan# 1580
Delta R.T. 0.006 min
Lab File: BN015968.D
Acq: 19 Aug 2021 11:49



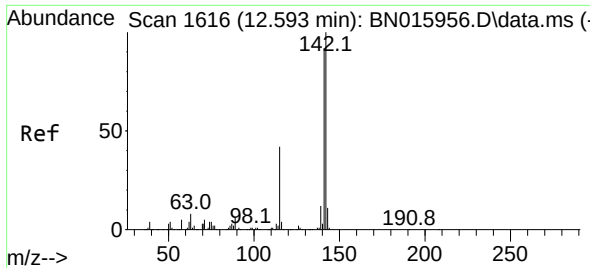
Tgt Ion:142 Resp: 7298946
Ion Ratio Lower Upper
142 100
141 89.1 73.4 110.0



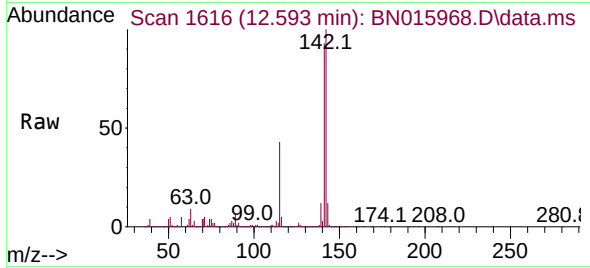
Instrument :
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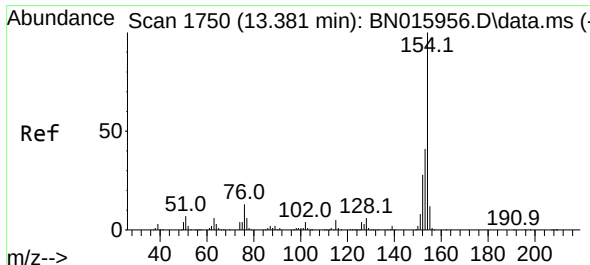
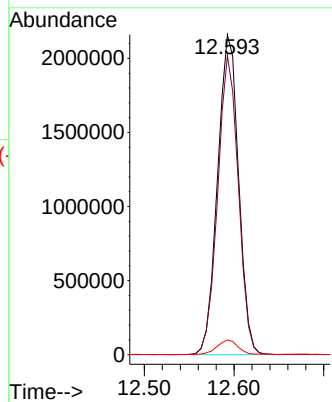
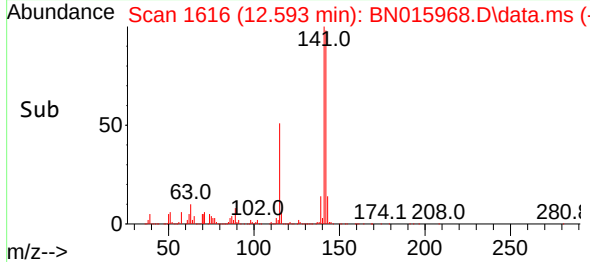
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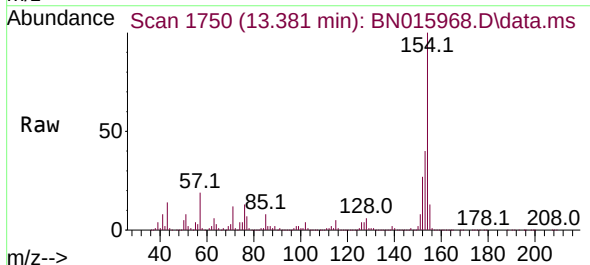
#37
1-Methylnaphthalene
Concen: 88.751 ng/ul
RT: 12.593 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN015968.D
Acq: 19 Aug 2021 11:49



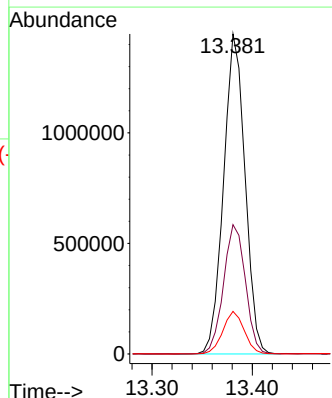
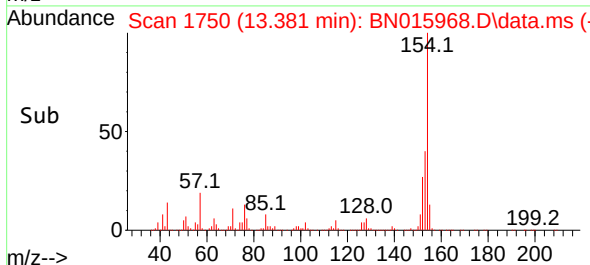
Tgt Ion:142 Resp: 3504833
Ion Ratio Lower Upper
142 100
141 93.5 74.2 111.4
116 4.6 3.4 5.0



#43
1,1'-Biphenyl
Concen: 41.661 ng/ul
RT: 13.381 min Scan# 1750
Delta R.T. -0.006 min
Lab File: BN015968.D
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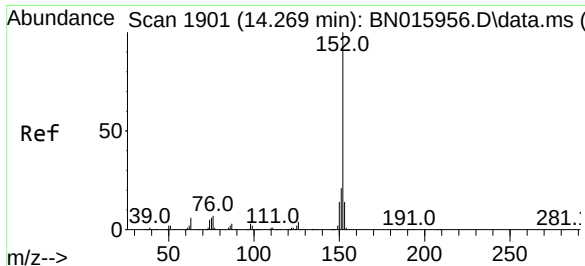
Tgt Ion:154 Resp: 2146494
Ion Ratio Lower Upper
154 100
153 40.4 32.1 48.1
76 13.3 11.0 16.6



Instrument :
BNA_N
ClientSampleId :
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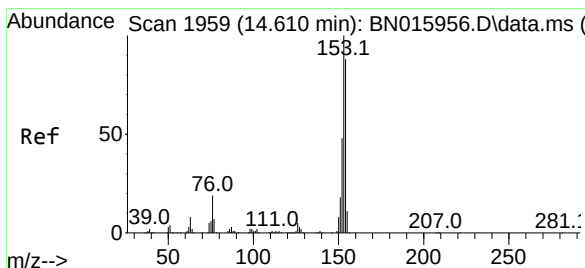
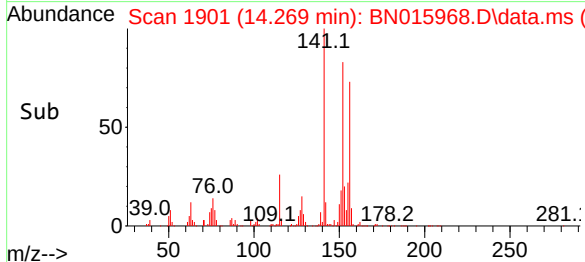
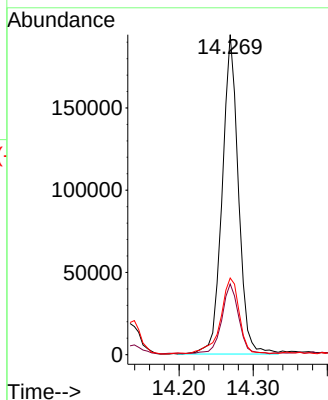
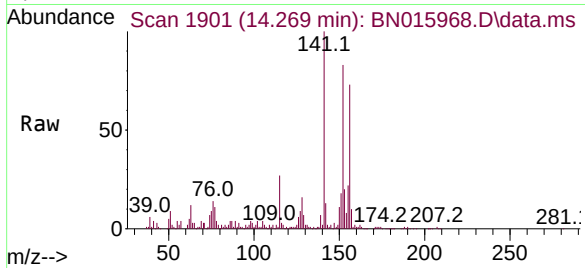
#50
Acenaphthylene
Concen: 5.077 ng/ul
RT: 14.269 min Scan# 1901
Delta R.T. -0.000 min
Lab File: BN015968.D
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Tgt Ion:152 Resp: 295133
Ion Ratio Lower Upper
152 100
151 22.1 16.2 24.2
153 23.9 10.3 15.5#

Instrument :
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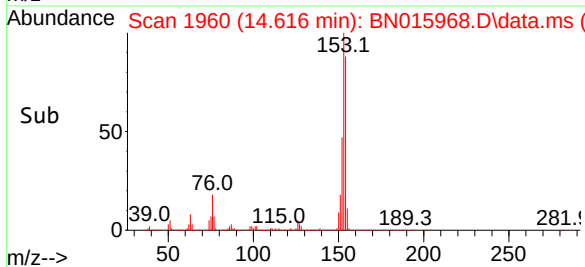
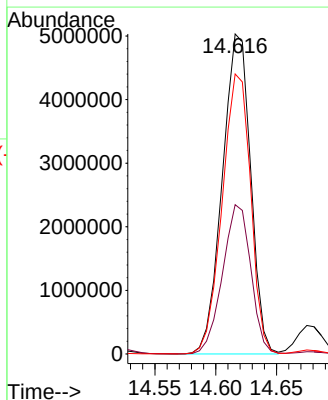
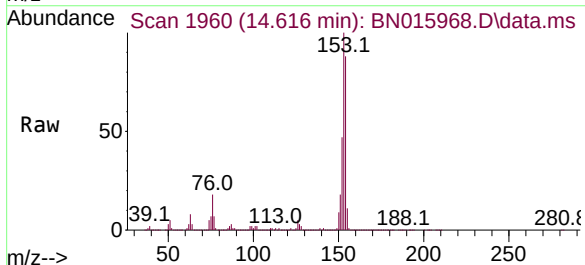
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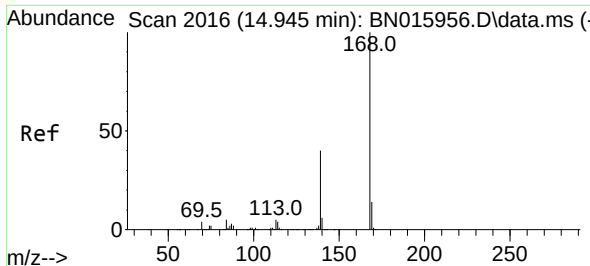
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#52
Acenaphthene
Concen: 193.347 ng/ul
RT: 14.616 min Scan# 1960
Delta R.T. -0.000 min
Lab File: BN015968.D
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Tgt Ion:153 Resp: 8129873
Ion Ratio Lower Upper
153 100
152 46.6 38.6 57.8
154 87.5 69.3 103.9





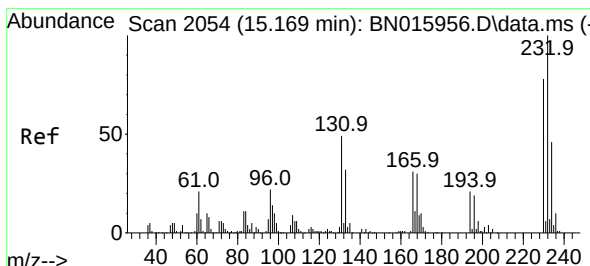
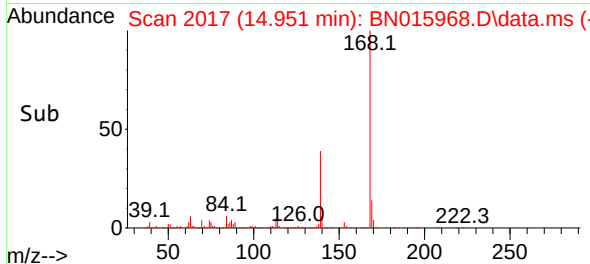
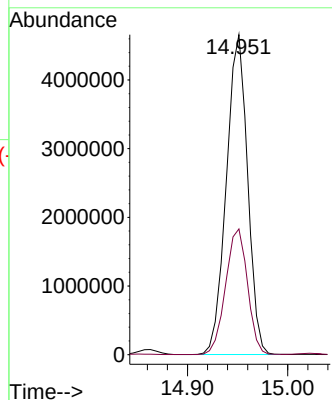
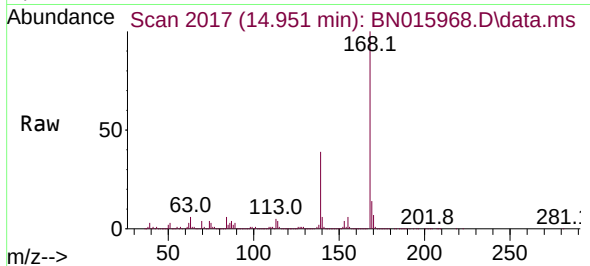
#56
Dibenzofuran
Concen: 117.985 ng/ul
RT: 14.951 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BN015968.D
Acq: 19 Aug 2021 11:49

Tgt Ion:168 Resp: 6858806
Ion Ratio Lower Upper
168 100
139 39.3 31.8 47.6

Instrument :
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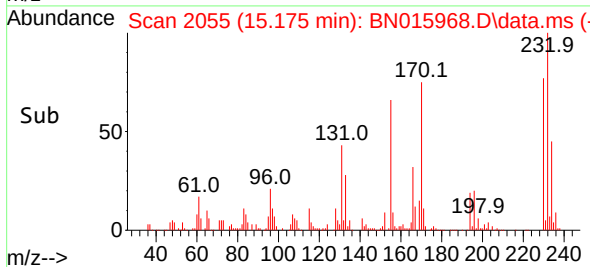
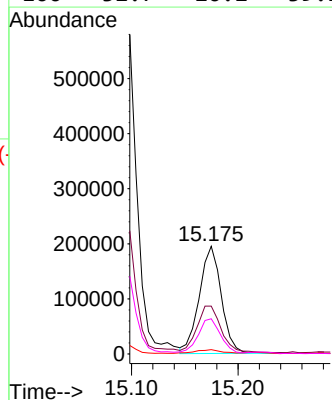
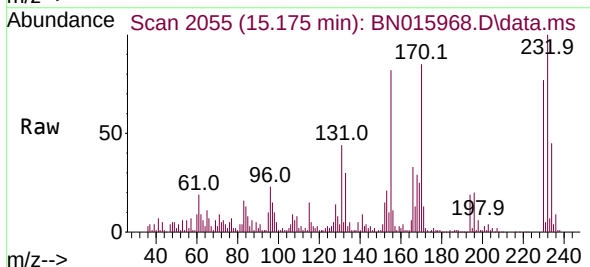
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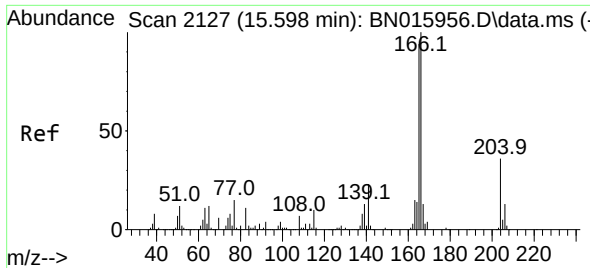
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#58
2,3,4,6-Tetrachlorophenol
Concen: 26.321 ng/ul
RT: 15.175 min Scan# 2055
Delta R.T. -0.000 min
Lab File: BN015968.D
Acq: 19 Aug 2021 11:49

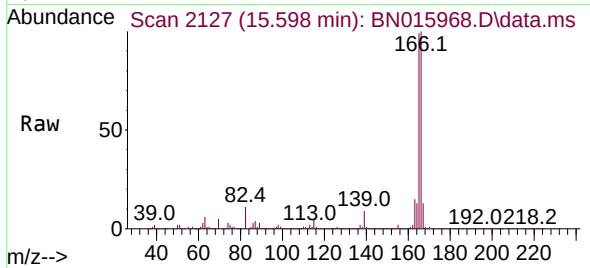
Tgt Ion:232 Resp: 280259
Ion Ratio Lower Upper
232 100
131 44.5 37.5 56.3
130 4.0 2.2 3.4#
166 32.7 26.2 39.2





#61
Fluorene
Concen: 127.455 ng/ul
RT: 15.598 min Scan# 2127
Delta R.T. -0.000 min
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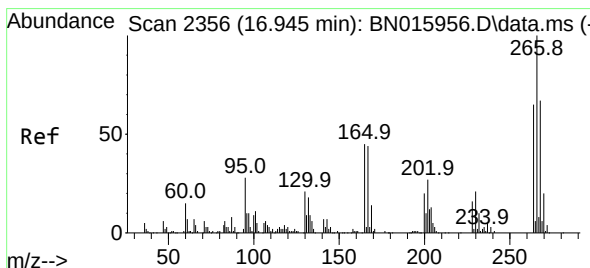
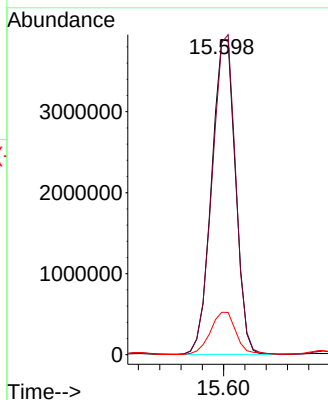
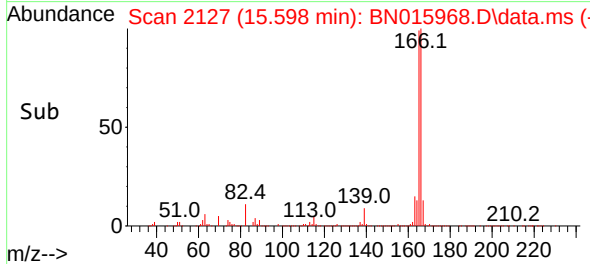
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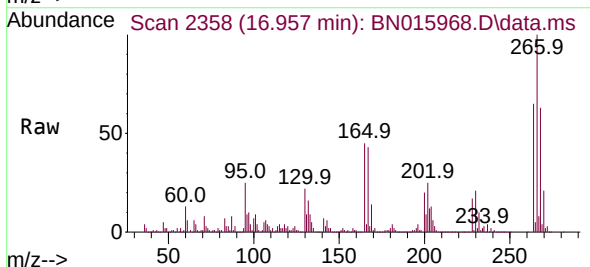
Tgt Ion:166 Resp: 6046196
Ion Ratio Lower Upper
166 100
165 99.0 78.4 117.6
167 13.5 10.8 16.2

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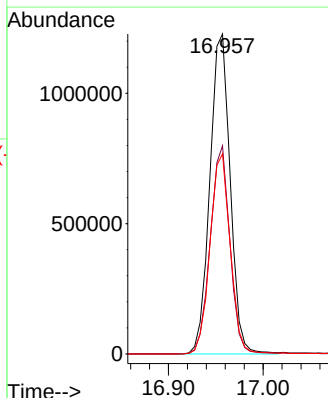
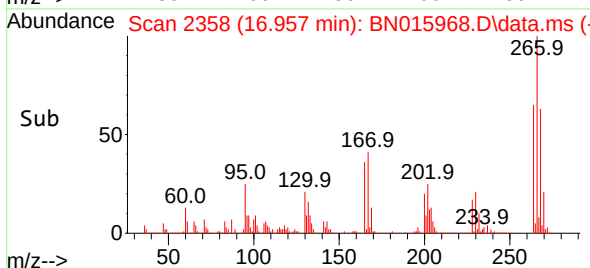
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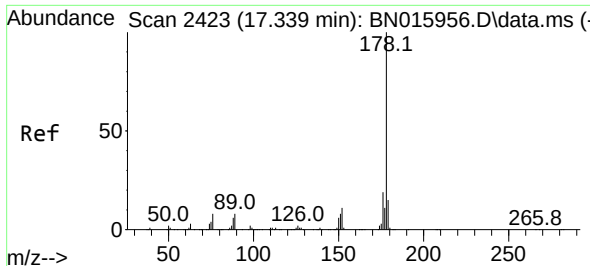


#71
Pentachlorophenol
Concen: 203.338 ng/ul
RT: 16.957 min Scan# 2358
Delta R.T. 0.012 min
Lab File: BN015968.D
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Tgt Ion:266 Resp: 1828065
Ion Ratio Lower Upper
266 100
264 65.0 53.8 80.6
268 62.6 52.7 79.1





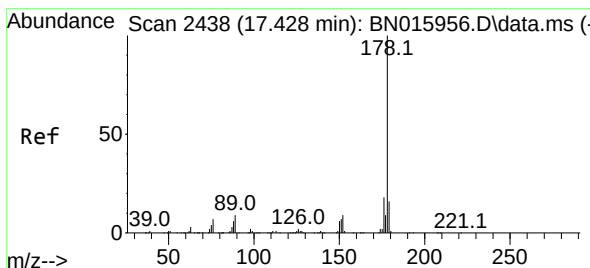
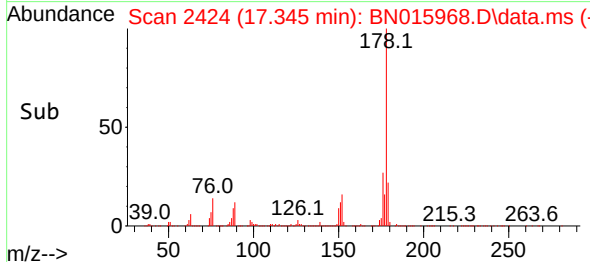
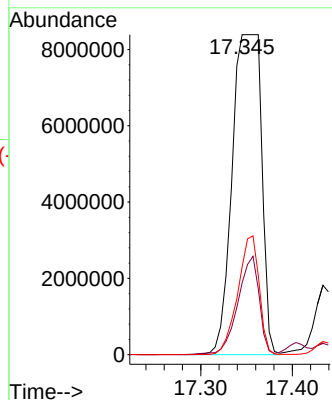
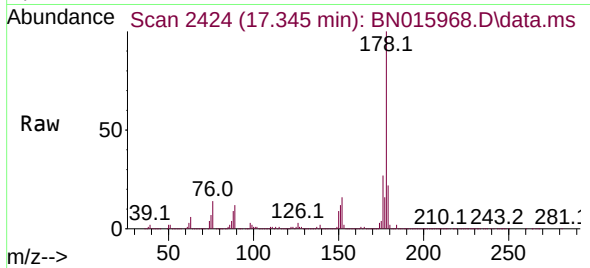
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Phenanthrene
Concen: 269.116 ng/ul m
RT: 17.345 min Scan# 2424
Delta R.T. 0.006 min
Lab File: BN015968.D
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Tgt Ion:178 Resp:18695904
Ion Ratio Lower Upper
178 100
179 22.4 12.5 18.7#
176 27.4 14.6 21.8#

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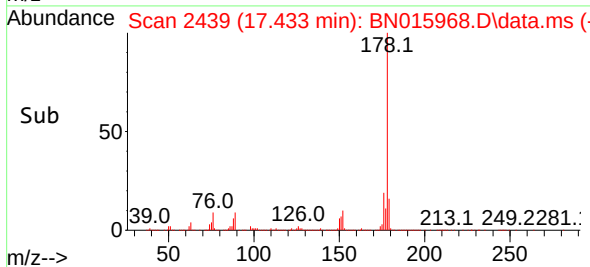
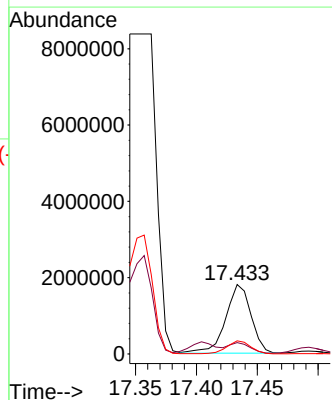
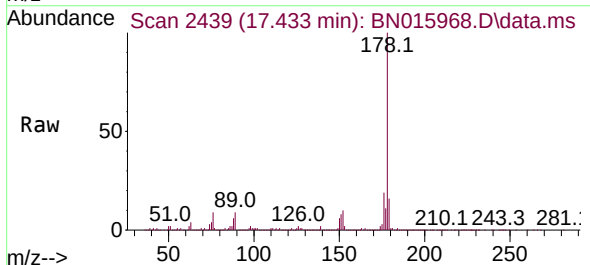
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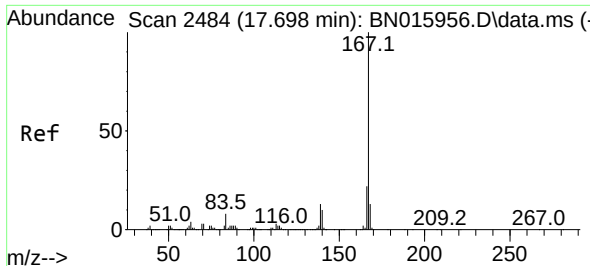
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#74
Anthracene
Concen: 36.794 ng/ul
RT: 17.433 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BN015968.D
Acq: 19 Aug 2021 11:49

Tgt Ion:178 Resp: 2609630
Ion Ratio Lower Upper
178 100
179 16.3 11.6 17.4
176 18.9 14.4 21.6





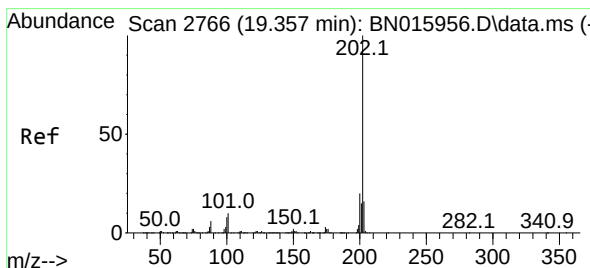
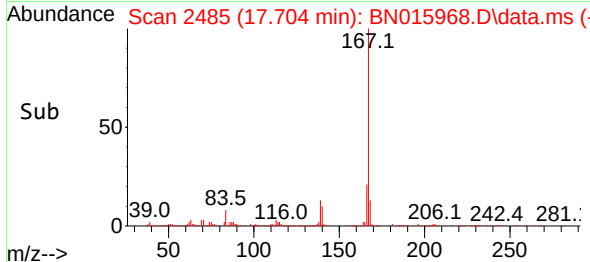
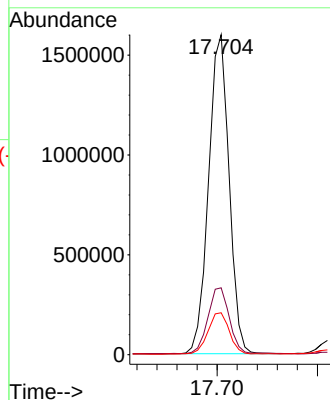
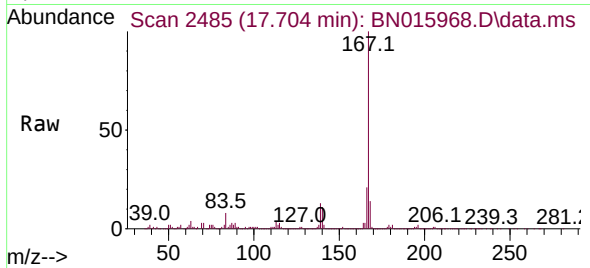
#77
 Carbazole
 Concen: 36.321 ng/ul
 RT: 17.704 min Scan# 2485
 Delta R.T. 0.006 min
 Lab File: BN015968.D
 Acq: 19 Aug 2021 11:49

Tgt Ion:167 Resp: 2264950
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.1 25.7
 139 13.1 11.6 17.4

Instrument :
 BNA_N
 ClientSampled :
 DBKA7

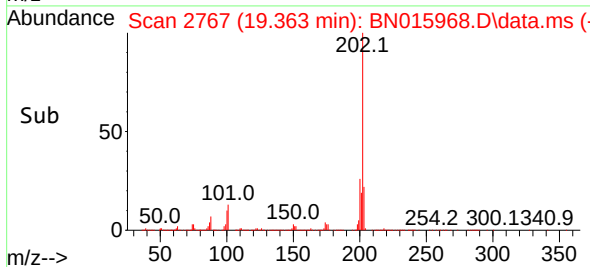
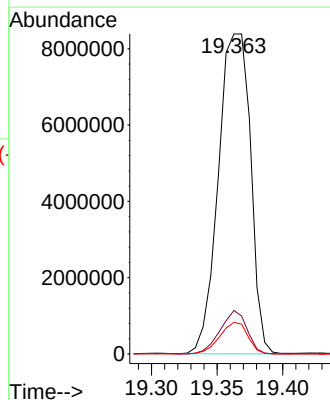
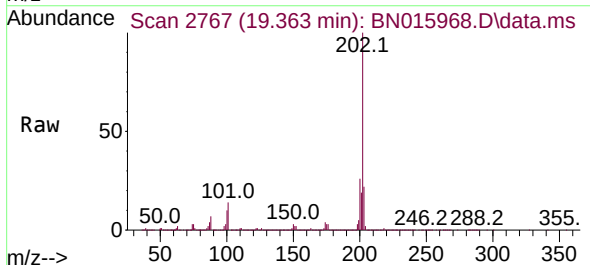
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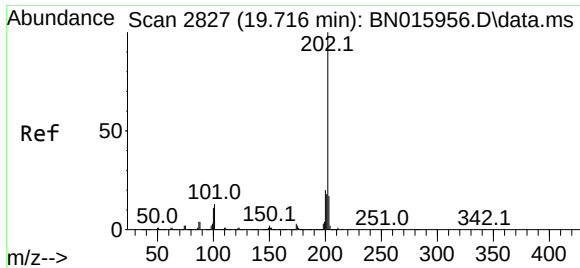
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#80
 Fluoranthene
 Concen: 167.344 ng/ul
 RT: 19.363 min Scan# 2767
 Delta R.T. 0.006 min
 Lab File: BN015968.D
 Acq: 19 Aug 2021 11:49

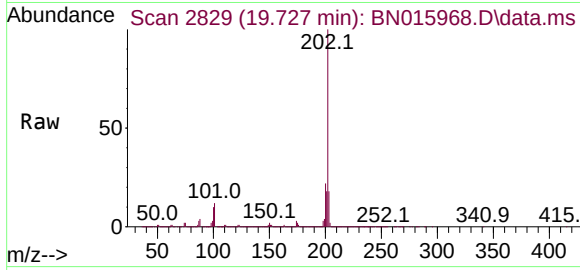
Tgt Ion:202 Resp:14315284
 Ion Ratio Lower Upper
 202 100
 101 13.6 8.0 12.0#
 100 9.9 6.7 10.1





#82
Pyrene
Concen: 121.804 ng/ul
RT: 19.727 min Scan# 2829
Delta R.T. 0.006 min
Lab File: BN015968.D
Acq: 19 Aug 2021 11:49

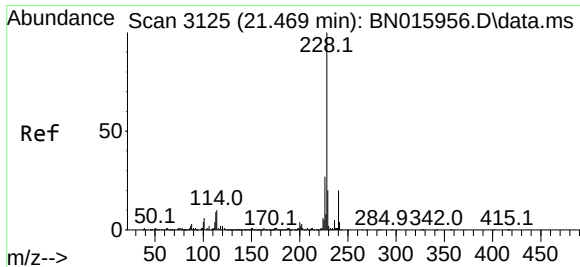
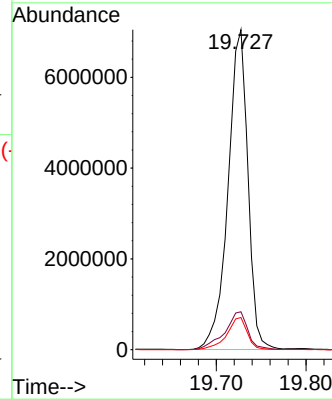
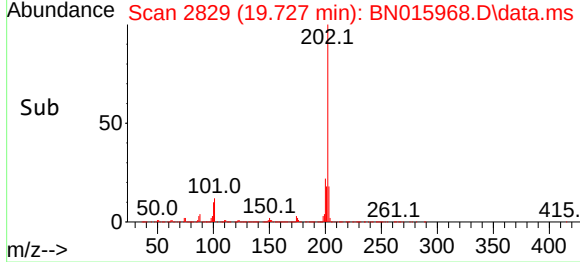
Instrument :
BNA_N
ClientSampled :
DBKA7



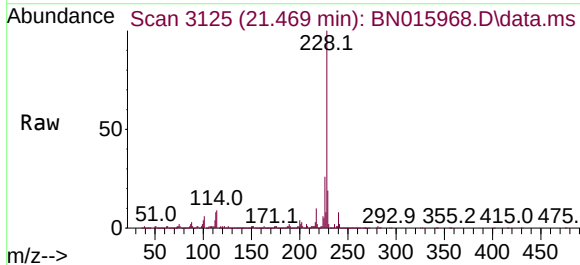
Tgt Ion:202 Resp:10844486
Ion Ratio Lower Upper
202 100
101 11.9 10.1 15.1
100 10.0 9.2 13.8

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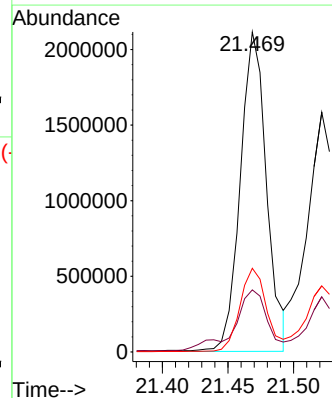
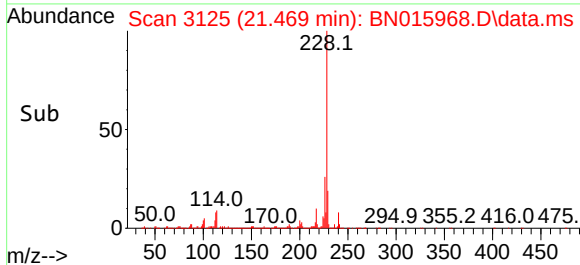
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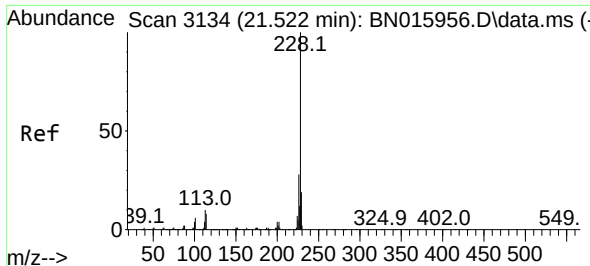


#85
Benzo(a)anthracene
Concen: 34.856 ng/ul
RT: 21.469 min Scan# 3125
Delta R.T. -0.000 min
Lab File: BN015968.D
Acq: 19 Aug 2021 11:49



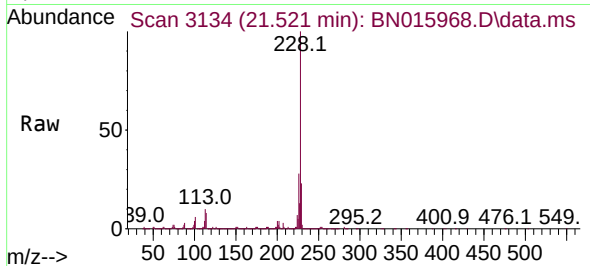
Tgt Ion:228 Resp: 2943846
Ion Ratio Lower Upper
228 100
229 19.4 14.5 21.7
226 26.1 20.9 31.3





#87
Chrysene
Concen: 28.334 ng/ul
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BN015968.D
Acq: 19 Aug 2021 11:49

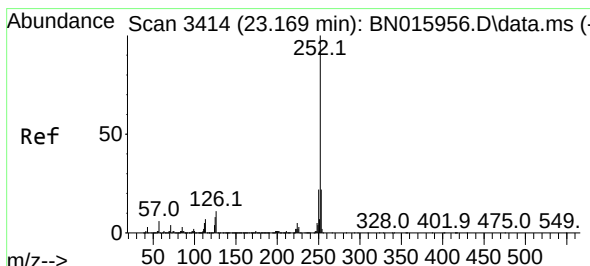
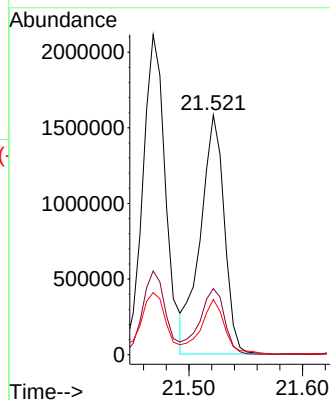
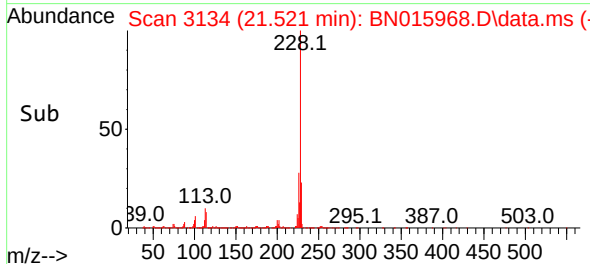
Instrument :
BNA_N
ClientSampleId :
DBKA7



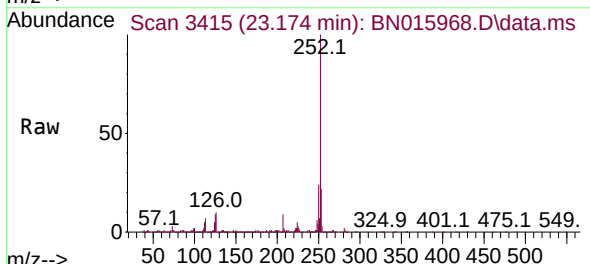
Tgt Ion:228 Resp: 2316885
Ion Ratio Lower Upper
228 100
226 27.6 24.2 36.2
229 23.0 15.9 23.9

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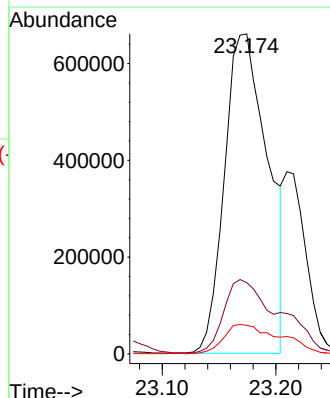
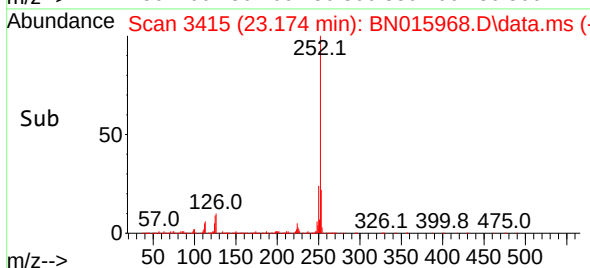
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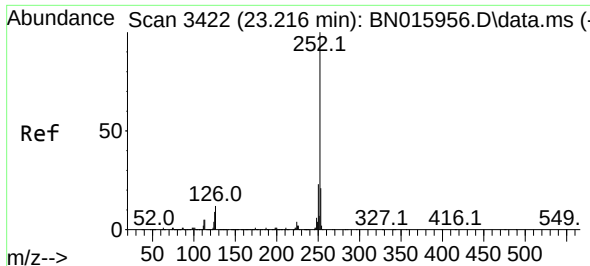


#90
Benzo(b)fluoranthene
Concen: 19.850 ng/ul
RT: 23.174 min Scan# 3415
Delta R.T. 0.006 min
Lab File: BN015968.D
Acq: 19 Aug 2021 11:49



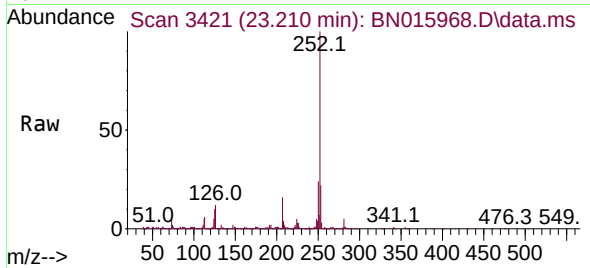
Tgt Ion:252 Resp: 1750898
Ion Ratio Lower Upper
252 100
253 22.3 16.6 25.0
125 9.0 7.1 10.7





#91
Benzo(k)fluoranthene
Concen: 5.765 ng/ul m
RT: 23.210 min Scan# 3421
Delta R.T. -0.006 min
Lab File: BN015968.D
Acq: 19 Aug 2021 11:49

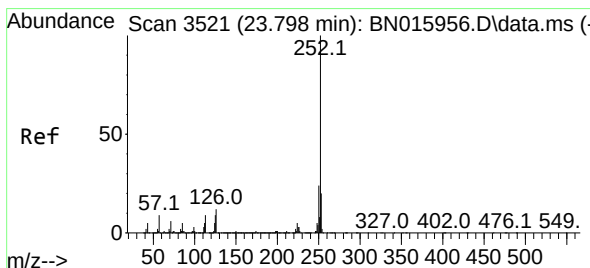
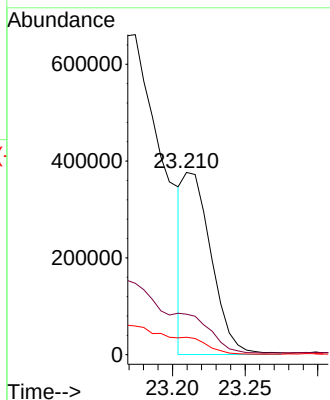
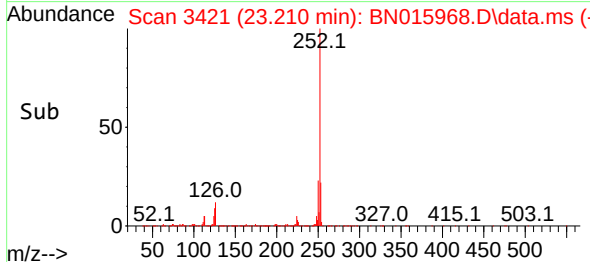
Instrument :
BNA_N
ClientSampleId :
DBKA7



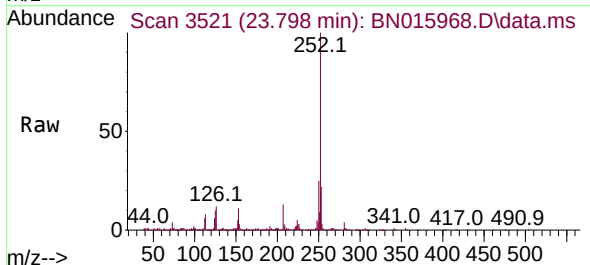
Tgt Ion:252 Resp: 506317
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 9.5 7.0 10.6

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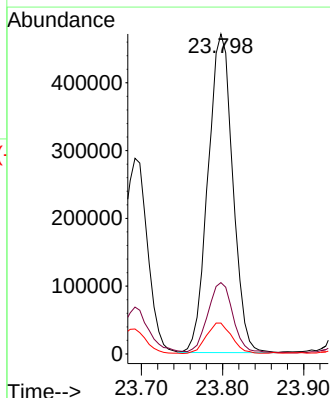
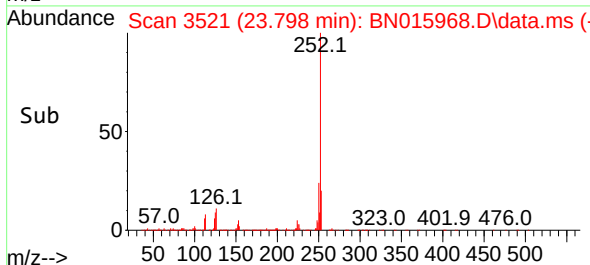
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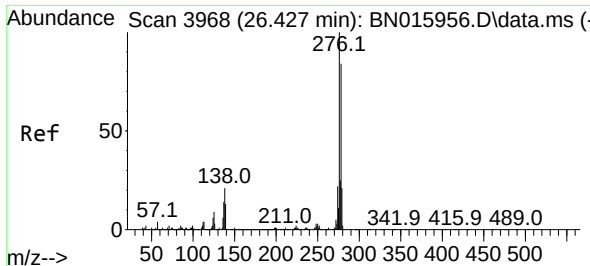


#93
Benzo(a)pyrene
Concen: 12.454 ng/ul
RT: 23.798 min Scan# 3521
Delta R.T. -0.000 min
Lab File: BN015968.D
Acq: 19 Aug 2021 11:49



Tgt Ion:252 Resp: 994381
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 9.6 7.2 10.8





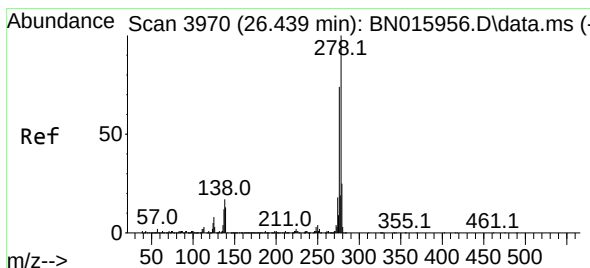
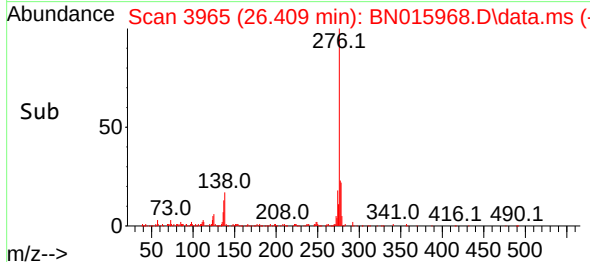
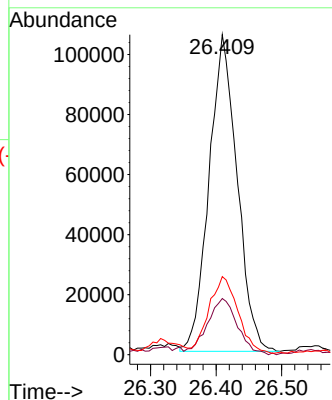
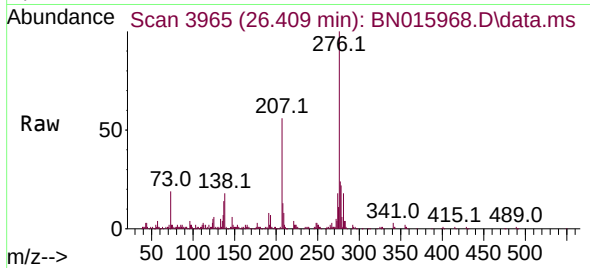
#94
Indeno(1,2,3-cd)pyrene
Concen: 3.171 ng/ul
RT: 26.409 min Scan# 3965
Delta R.T. -0.012 min
Lab File: BN015968.D
Acq: 19 Aug 2021 11:49

Instrument :
BNA_N
ClientSampled :
DBKA7

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.5	15.9	23.9
277	24.4	19.5	29.3

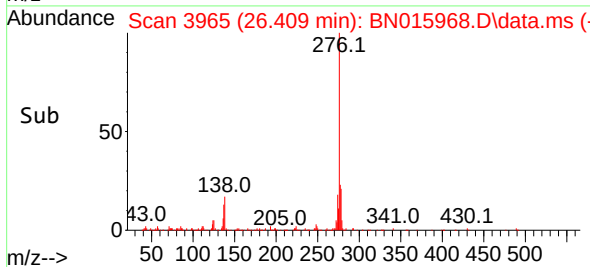
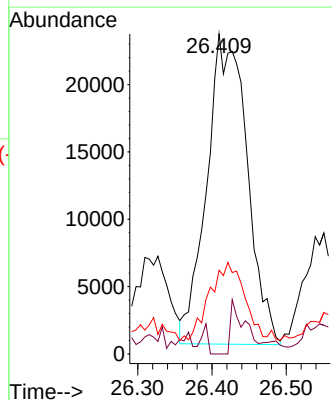
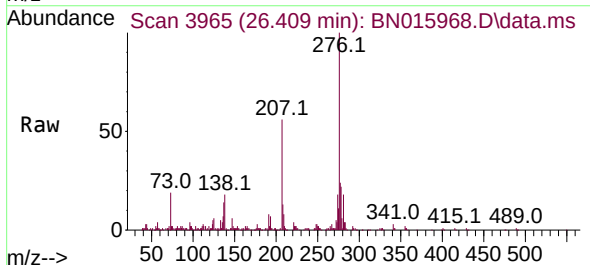
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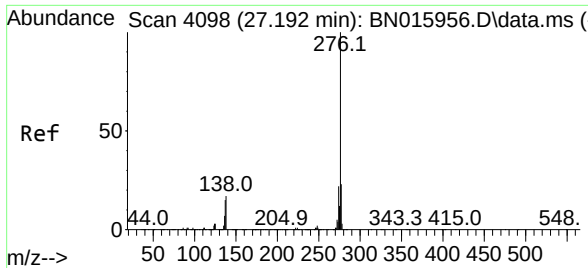
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#95
Dibenzo(a,h)anthracene
Concen: 1.059 ng/ul m
RT: 26.409 min Scan# 3965
Delta R.T. -0.035 min
Lab File: BN015968.D
Acq: 19 Aug 2021 11:49

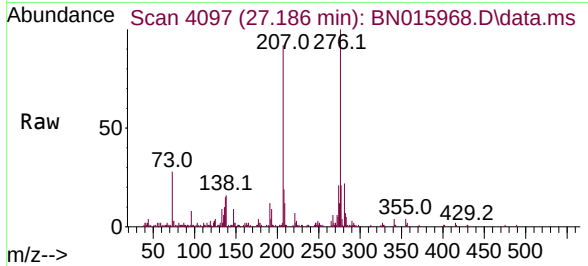
Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.0	16.6#
279	26.2	19.9	29.9





#96
 Benzo(g,h,i)perylene
 Concen: 3.086 ng/ul
 RT: 27.186 min Scan# 4097
 Delta R.T. -0.006 min
 Lab File: BN015968.D
 Acq: 19 Aug 2021 11:49

Instrument :
 BNA_N
 ClientSampleId :
 DBKA7



Tgt Ion:	276	Resp:	252646
Ion Ratio	Lower	Upper	
276	100		
138	15.8	13.4	20.0
277	20.6	18.5	27.7

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