

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062521\
 Data File : BN015051.D
 Acq On : 24 Jun 2021 22:04
 Operator : CG/JU
 Sample : M2682-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BGDF3

Manual Integrations
 APPROVED

Quant Time: Jun 25 01:23:26 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061821MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 24 14:43:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	182453	20.000	ng/u1	0.00
20) Naphthalene-d8	10.499	136	735964	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.351	164	420701	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.104	188	764777	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	546236	20.000	ng/u1	0.01
88) Perylene-d12	23.551	264	730735	20.000	ng/u1	# 0.00

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System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.287	96	8297	1.769	ng/uL	0.00
4) Pyridine-d5	3.681	84	80676	6.382	ng/u1	0.00
7) Phenol-d5	6.893	99	170535	10.769	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.064	67	100961	10.856	ng/u1	0.00
11) 2-Chlorophenol-d4	7.263	132	130671	10.882	ng/u1	0.00
15) 4-Methylphenol-d8	8.422	113	135589	11.094	ng/u1	0.00
21) Nitrobenzene-d5	8.869	128	60933	12.103	ng/u1	0.00
24) 2-Nitrophenol-d4	9.587	143	59272	13.217	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.116	165	132377	12.506	ng/u1	0.00
31) 4-Chloroaniline-d4	10.634	131	163954	9.995	ng/u1	0.00
46) Dimethylphthalate-d6	13.763	166	443370	15.348	ng/u1	0.00
49) Acenaphthylene-d8	14.045	160	544665	14.524	ng/u1	0.00
54) 4-Nitrophenol-d4	14.540	143	50599	10.042	ng/u1	0.00
60) Fluorene-d10	15.345	176	393636	15.663	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.469	200	12873	4.076	ng/u1	0.00
73) Anthracene-d10	17.204	188	560269	16.006	ng/u1	0.00
81) Pyrene-d10	19.504	212	421866	14.735	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.416	264	340191	9.430	ng/u1	0.01

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Target Compounds				Qvalue		
8) Phenol	6.922	94	26612	1.658	ng/u1	98
18) 4-Methylphenol	8.481	108	14482	1.127	ng/u1	98
30) Naphthalene	10.552	128	269291	7.171	ng/u1	99
36) 2-Methylnaphthalene	12.163	142	44349	1.706	ng/u1	97
37) 1-Methylnaphthalene	12.381	142	30428	1.168	ng/u1	93
43) 1,1'-Biphenyl	13.181	154	67545	2.225	ng/u1	99
50) Acenaphthylene	14.075	152	911128	25.748	ng/u1	99
52) Acenaphthene	14.416	153	290634	11.674	ng/u1	98
56) Dibenzofuran	14.751	168	709671	20.296	ng/u1	99
61) Fluorene	15.404	166	1019113	36.817	ng/u1	98
72) Phenanthrene	17.157	178	7884591	195.332	ng/u1	99
74) Anthracene	17.239	178	5706447	137.710	ng/u1	98
77) Carbazole	17.504	167	151194	4.048	ng/u1#	92
80) Fluoranthene	19.186	202	12582091	364.055	ng/u1	99
82) Pyrene	19.545	202	9061178	251.542	ng/u1	100
85) Benzo(a)anthracene	21.292	228	6537574	193.501	ng/u1#	82
86) Bis(2-ethylhexyl)phtha...	21.227	149	34678	1.686	ng/u1	97
87) Chrysene	21.351	228	5519111	165.889	ng/u1#	93
90) Benzo(b)fluoranthene	22.898	252	6950932	157.963	ng/u1	100
91) Benzo(k)fluoranthene	22.933	252	2576051	57.843	ng/u1	96
93) Benzo(a)pyrene	23.463	252	2750617	68.772	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	25.827	276	2222653	45.805	ng/u1	95
95) Dibenzo(a,h)anthracene	25.827	278	969362	24.102	ng/u1	95
96) Benzo(g,h,i)perylene	26.515	276	93637m	2.232	ng/u1	

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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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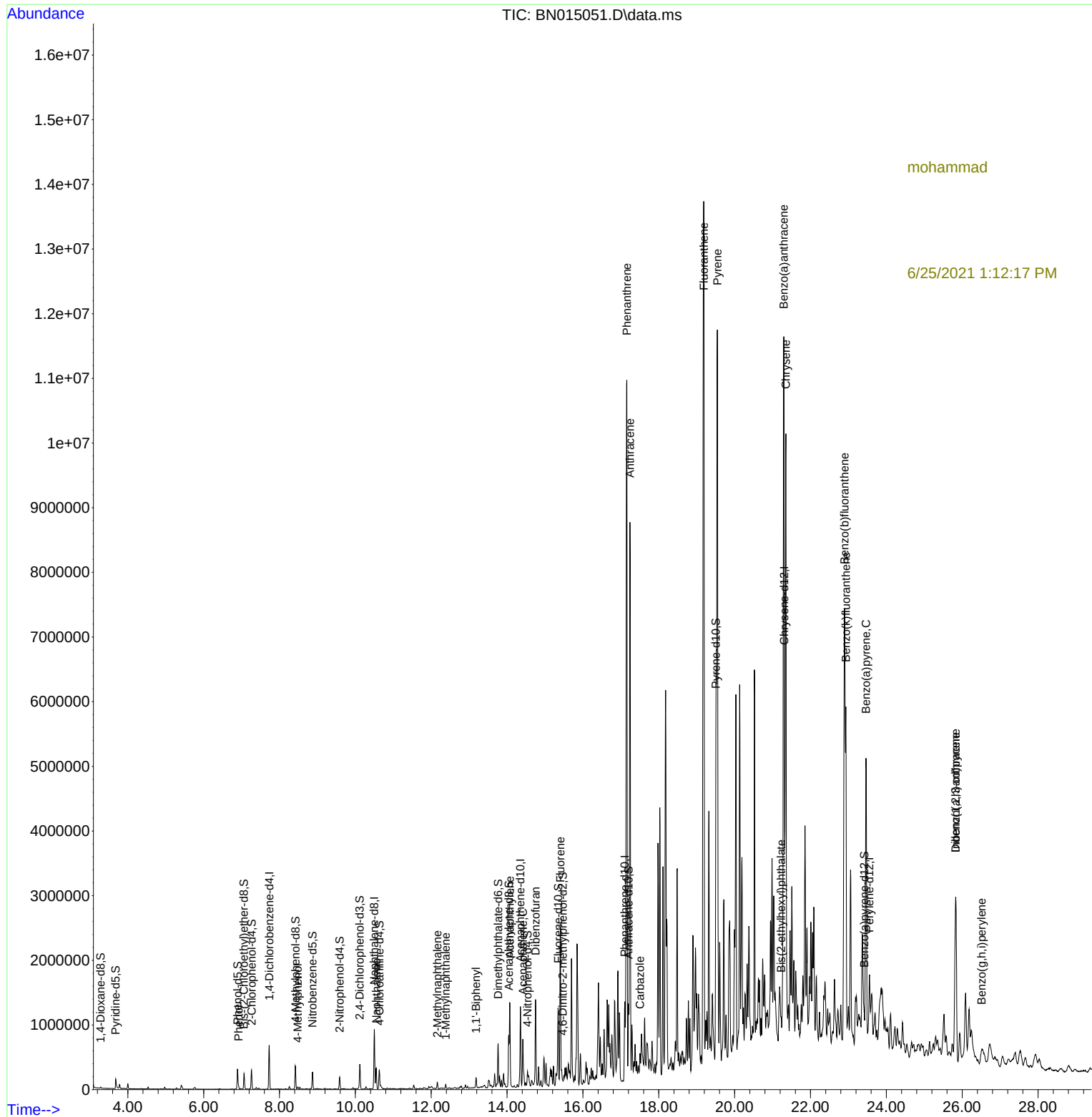
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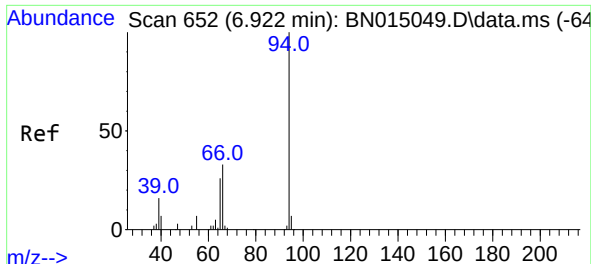
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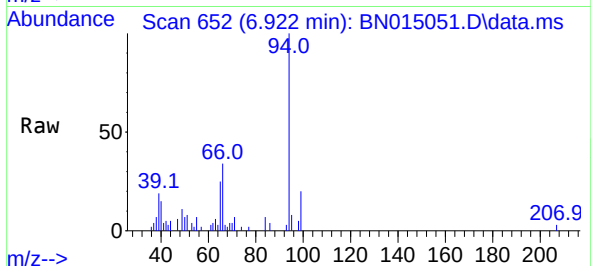
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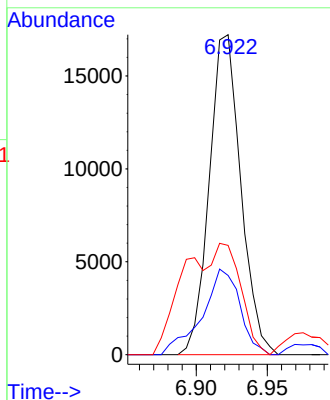
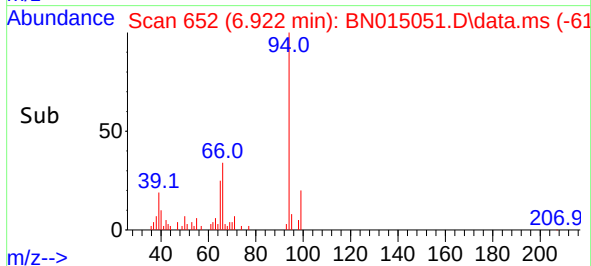




#8
Phenol
Concen: 1.658 ng/ul
RT: 6.922 min Scan# 652
Delta R.T. 0.000 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04



Tgt Ion: 94 Resp: 26612
Ion Ratio Lower Upper
94 100
65 24.7 21.4 32.0
66 34.1 27.8 41.6

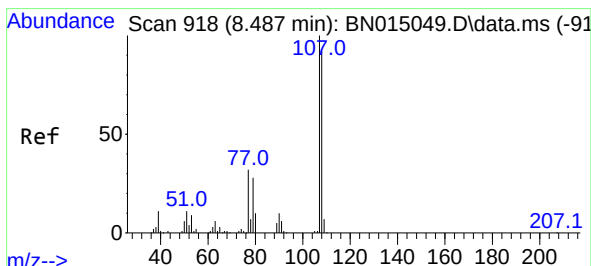


Instrument :
BNA_N
ClientSampleId :
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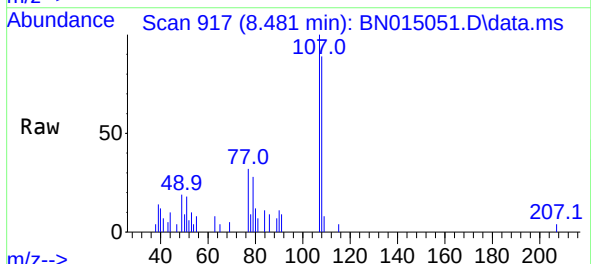
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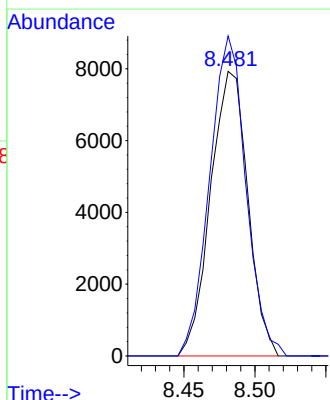
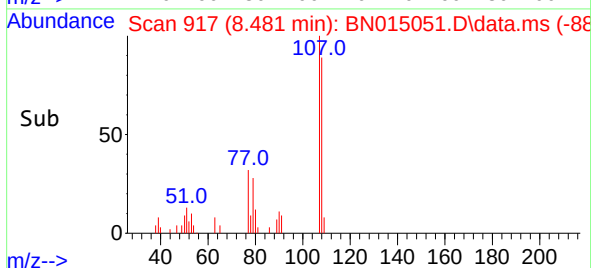
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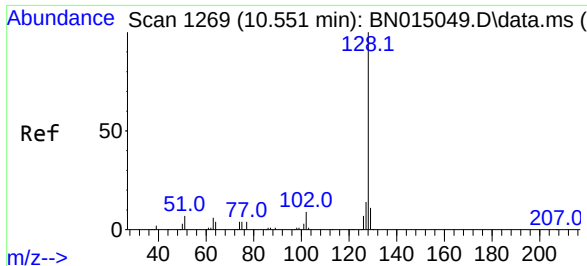


#18
4-Methylphenol
Concen: 1.127 ng/ul
RT: 8.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04



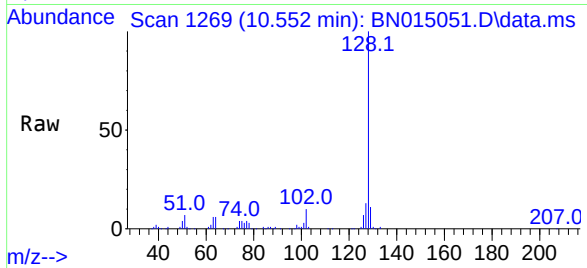
Tgt Ion:108 Resp: 14482
Ion Ratio Lower Upper
108 100
107 112.4 87.9 131.9





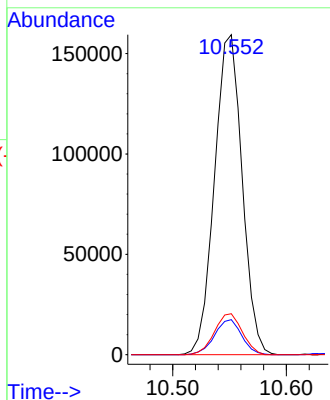
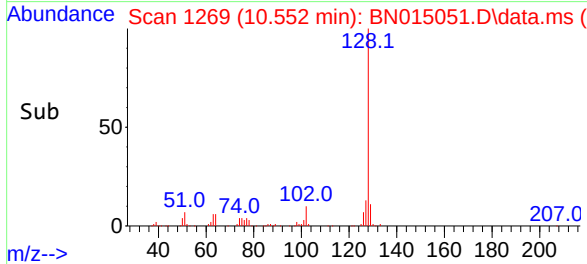
#30
Naphthalene
Concen: 7.171 ng/ul
RT: 10.552 min Scan# 1269
Delta R.T. 0.000 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Instrument :
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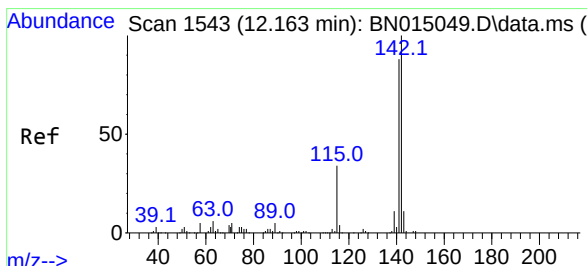
Tgt Ion:128 Resp: 269291
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.8 10.6 16.0

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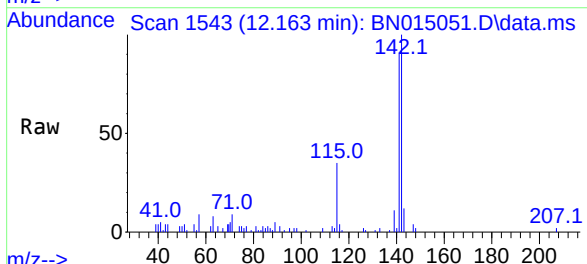


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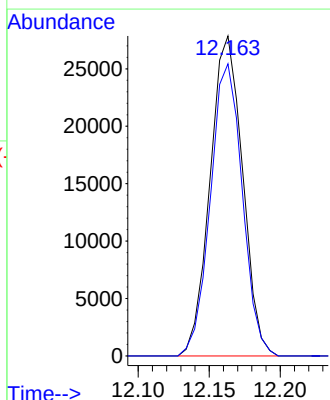
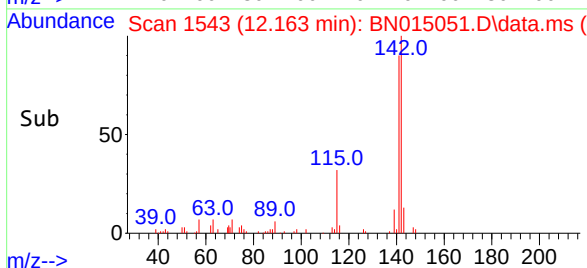
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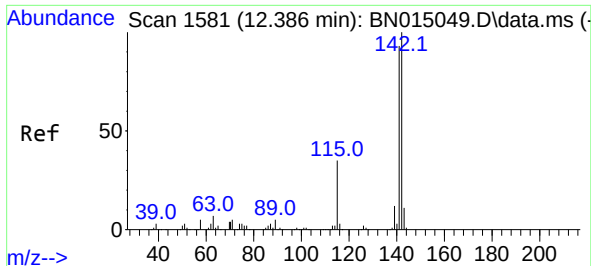


#36
2-Methylnaphthalene
Concen: 1.706 ng/ul
RT: 12.163 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04



Tgt Ion:142 Resp: 44349
Ion Ratio Lower Upper
142 100
141 91.3 71.0 106.6



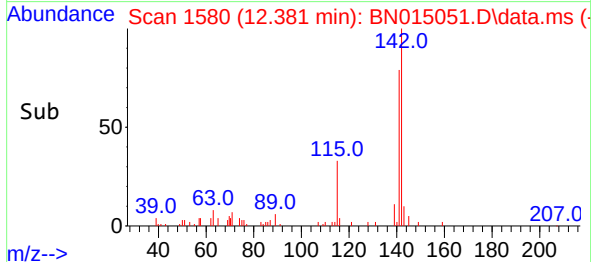
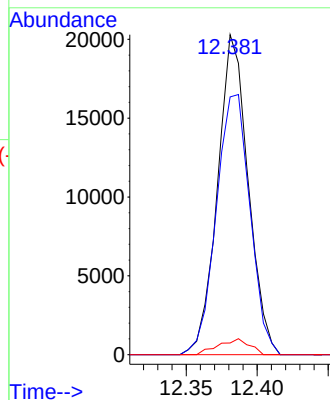
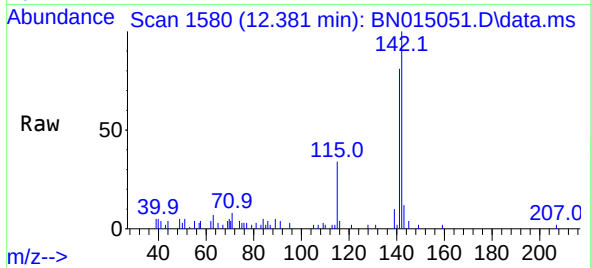


#37
1-Methylnaphthalene
Concen: 1.168 ng/ul
RT: 12.381 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Tgt Ion:	142	Resp:	30428
Ion Ratio	Lower	Upper	
142	100		
141	80.5	69.6	104.4
116	3.7	3.0	4.6

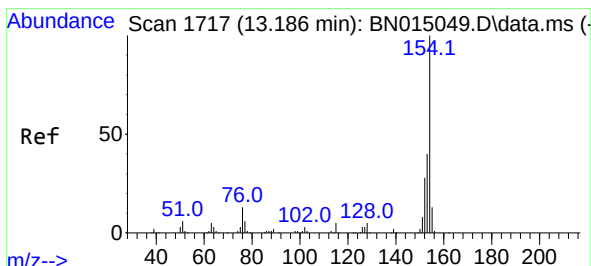
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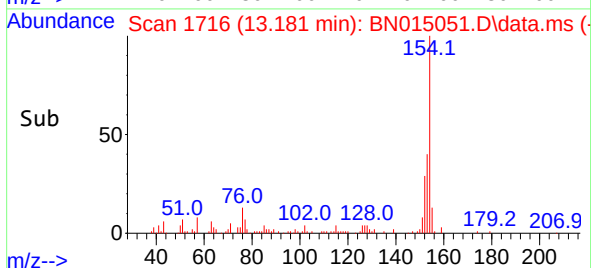
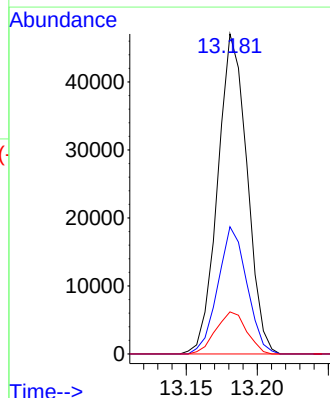
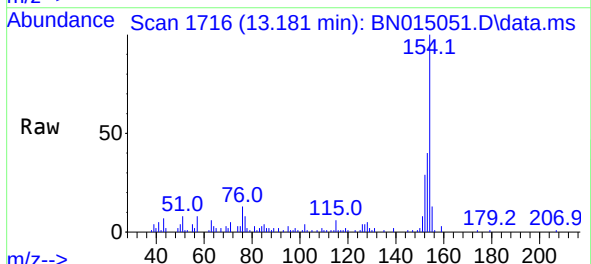
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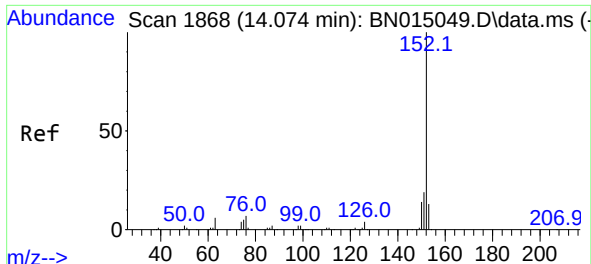
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#43
1,1'-Biphenyl
Concen: 2.225 ng/ul
RT: 13.181 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

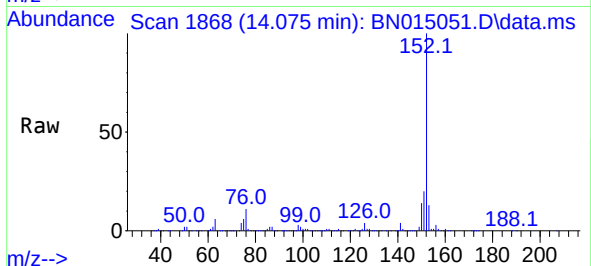
Tgt Ion:	154	Resp:	67545
Ion Ratio	Lower	Upper	
154	100		
153	39.8	31.4	47.2
76	13.2	10.7	16.1





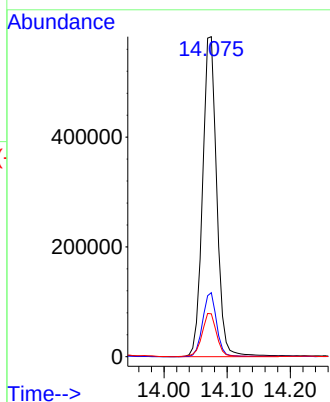
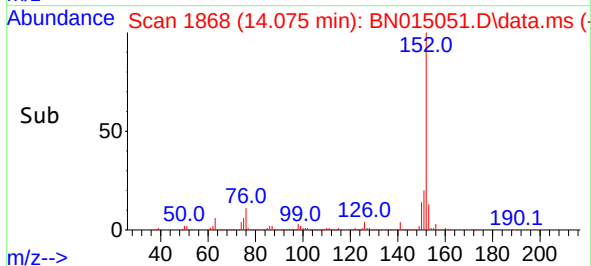
#50
Acenaphthylene
Concen: 25.748 ng/ul
RT: 14.075 min Scan# 1868
Delta R.T. 0.000 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Instrument :
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ClientSampleId :
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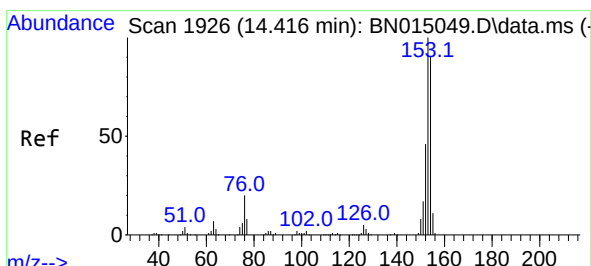
Tgt Ion:152 Resp: 911128
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 13.4 10.0 15.0

Manual Integrations
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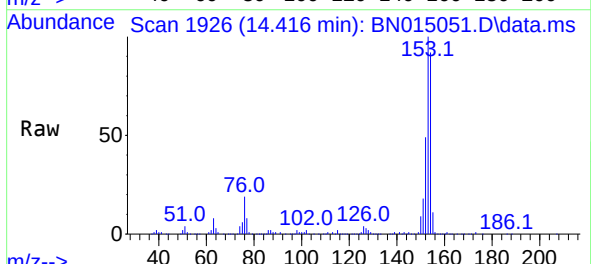


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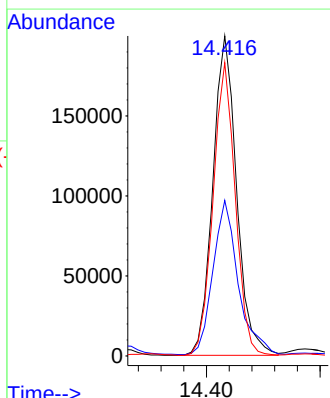
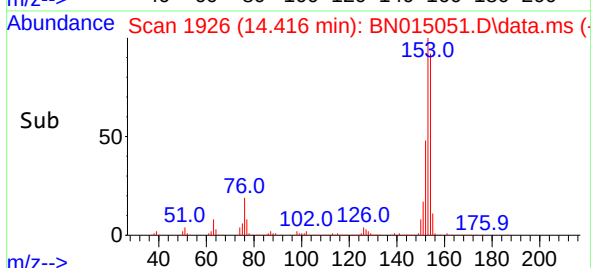
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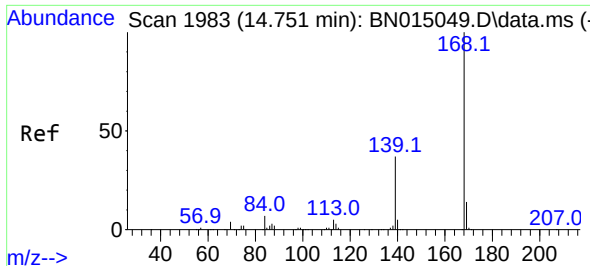


#52
Acenaphthene
Concen: 11.674 ng/ul
RT: 14.416 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04



Tgt Ion:153 Resp: 290634
Ion Ratio Lower Upper
153 100
152 48.6 37.6 56.4
154 91.6 71.6 107.4



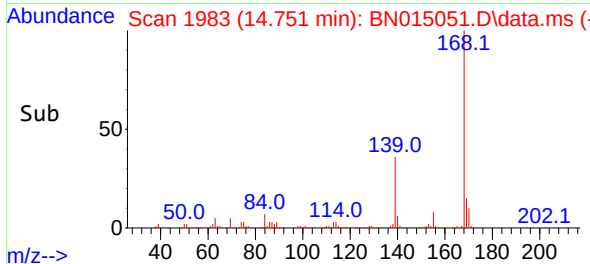
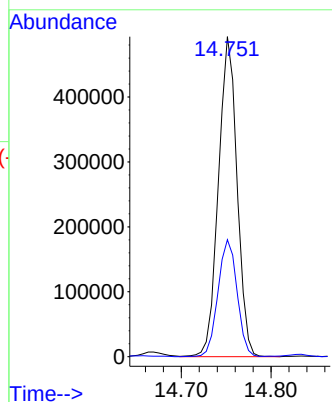
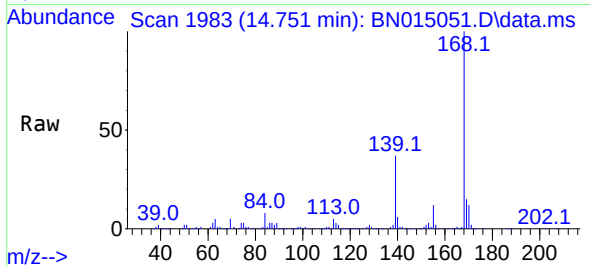


#56
Dibenzenofuran
Concen: 20.296 ng/ul
RT: 14.751 min Scan# 1983
Delta R.T. 0.000 min
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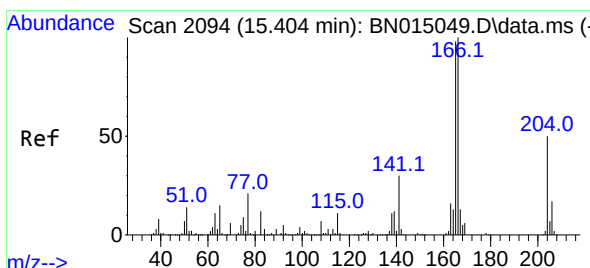
Tgt Ion:168 Resp: 709671
Ion Ratio Lower Upper
168 100
139 36.5 29.0 43.4

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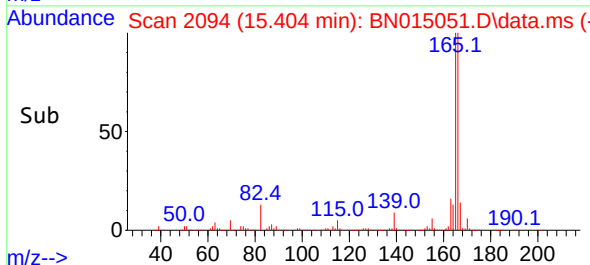
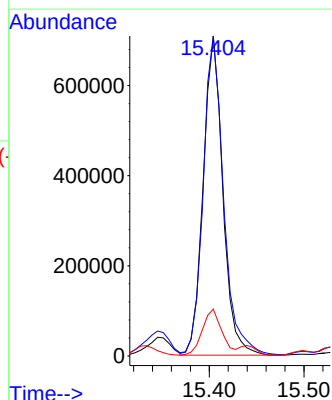
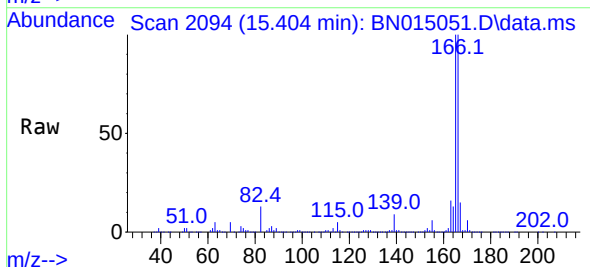
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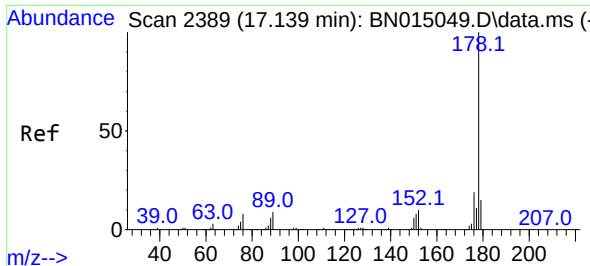
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#61
Fluorene
Concen: 36.817 ng/ul
RT: 15.404 min Scan# 2094
Delta R.T. 0.000 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Tgt Ion:166 Resp: 1019113
Ion Ratio Lower Upper
166 100
165 100.1 78.2 117.4
167 14.6 11.0 16.4



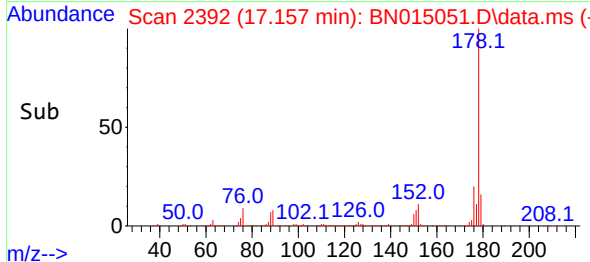
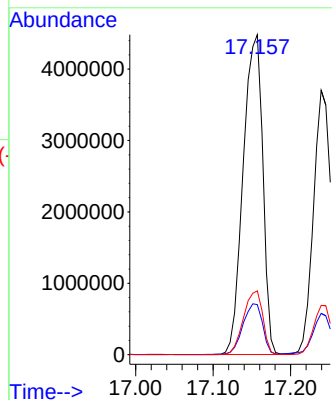
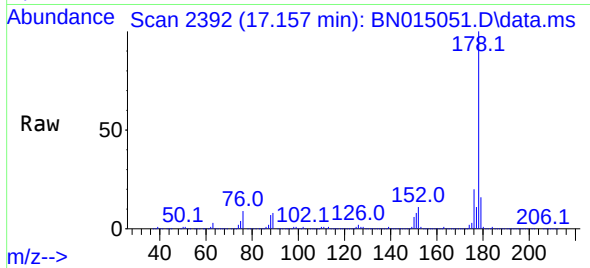


#72
Phenanthrene
Concen: 195.332 ng/u1
RT: 17.157 min Scan# 2392
Delta R.T. 0.018 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Tgt Ion:178 Resp: 7884591
Ion Ratio Lower Upper
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179 15.7 12.2 18.2
176 19.9 15.4 23.2

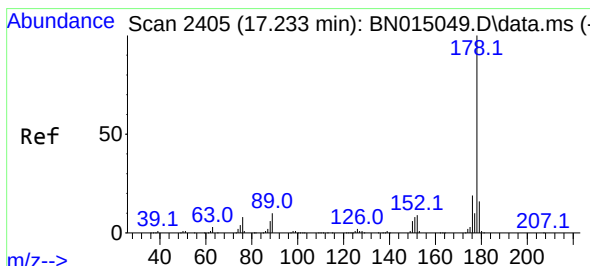
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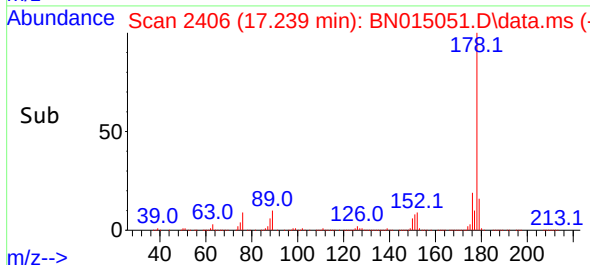
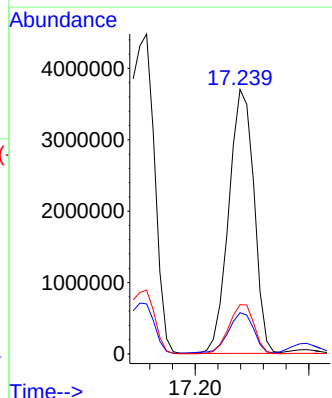
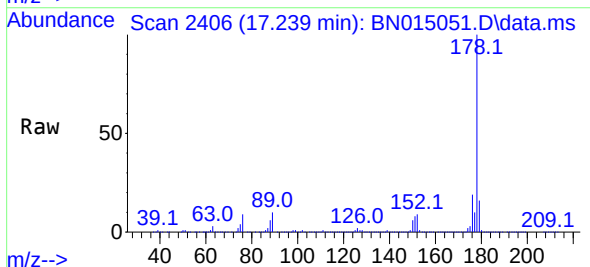
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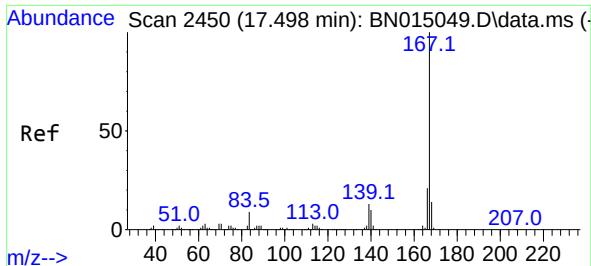
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#74
Anthracene
Concen: 137.710 ng/u1
RT: 17.239 min Scan# 2406
Delta R.T. 0.006 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

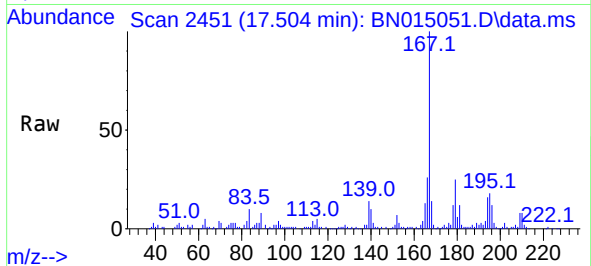
Tgt Ion:178 Resp: 5706447
Ion Ratio Lower Upper
178 100
179 15.6 11.6 17.4
176 18.7 14.6 21.8





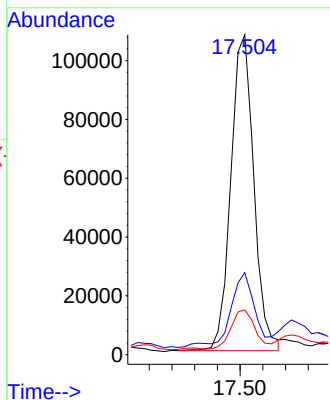
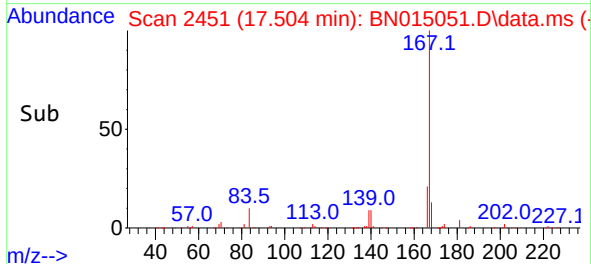
#77
 Carbazole
 Concen: 4.048 ng/u1
 RT: 17.504 min Scan# 2451
 Delta R.T. 0.006 min
 Lab File: BN015051.D
 Acq: 24 Jun 2021 22:04

Instrument :
 BNA_N
 ClientSampleId :
 BGDF3



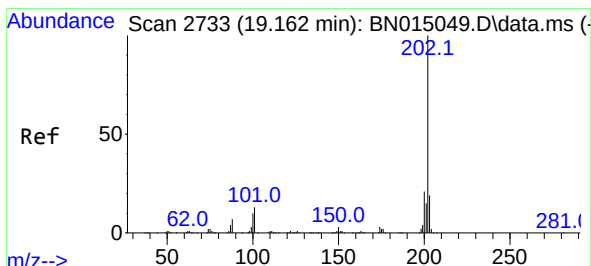
Tgt Ion:167 Resp: 151194
 Ion Ratio Lower Upper
 167 100
 166 25.6 16.4 24.6#
 139 14.0 10.0 15.0

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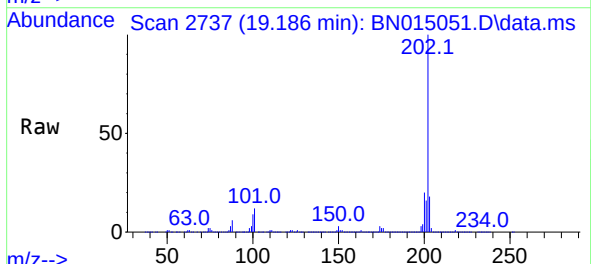


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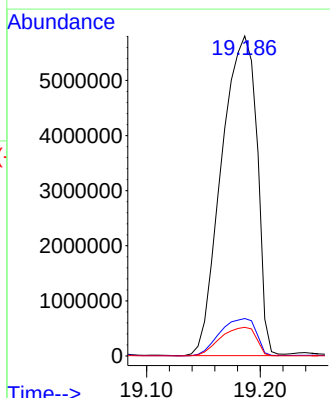
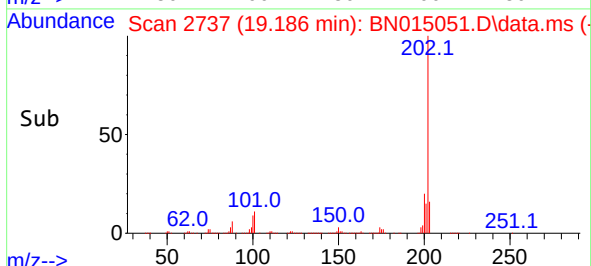
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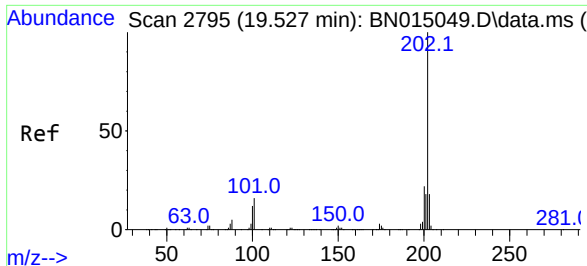


#80
 Fluoranthene
 Concen: 364.055 ng/u1
 RT: 19.186 min Scan# 2737
 Delta R.T. 0.024 min
 Lab File: BN015051.D
 Acq: 24 Jun 2021 22:04



Tgt Ion:202 Resp:12582091
 Ion Ratio Lower Upper
 202 100
 101 11.7 9.5 14.3
 100 9.0 7.4 11.2



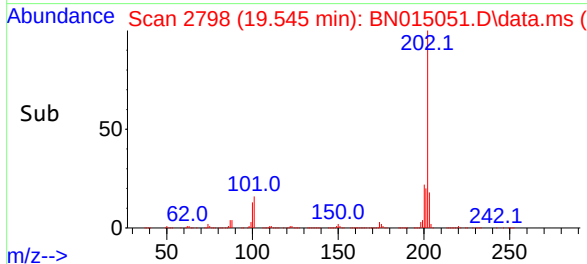
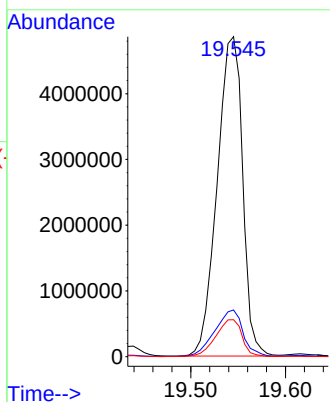
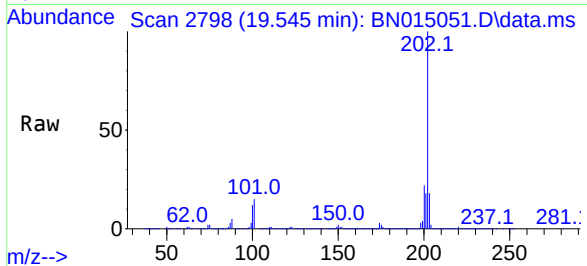


#82
Pyrene
Concen: 251.542 ng/u1
RT: 19.545 min Scan# 2798
Delta R.T. 0.018 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Instrument :
BNA_N
ClientSampleId :
BGDF3

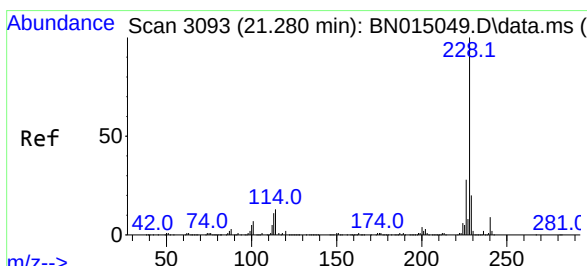
Tgt Ion:202 Resp: 9061178
Ion Ratio Lower Upper
202 100
101 14.6 11.6 17.4
100 11.6 9.2 13.8

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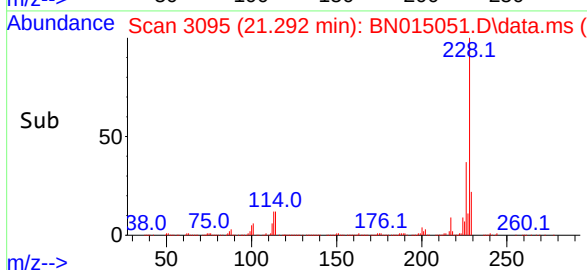
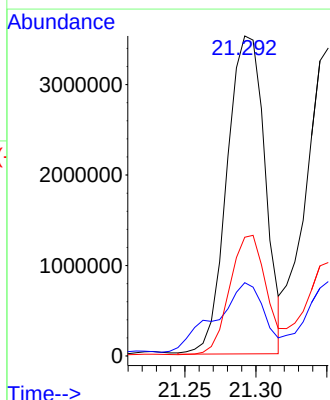
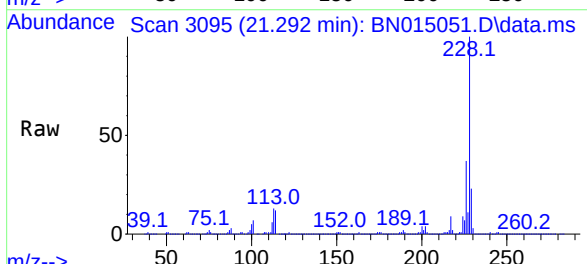
mohammad

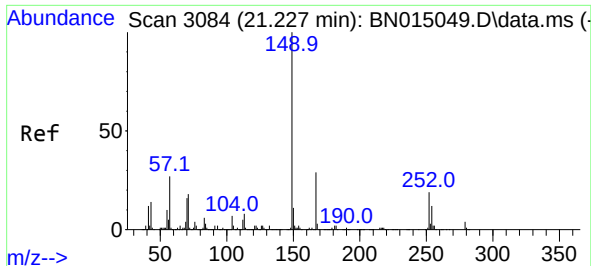
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#85
Benzo(a)anthracene
Concen: 193.501 ng/u1
RT: 21.292 min Scan# 3095
Delta R.T. 0.006 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Tgt Ion:228 Resp: 6537574
Ion Ratio Lower Upper
228 100
229 22.9 14.8 22.2#
226 37.1 20.2 30.4#



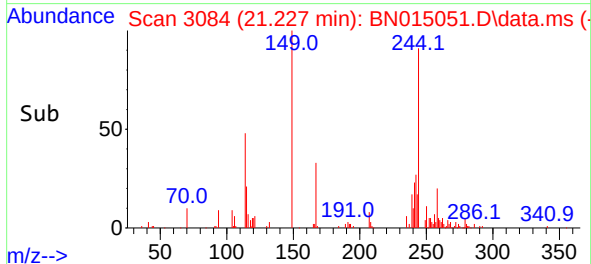
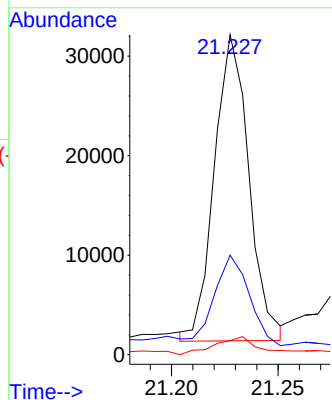
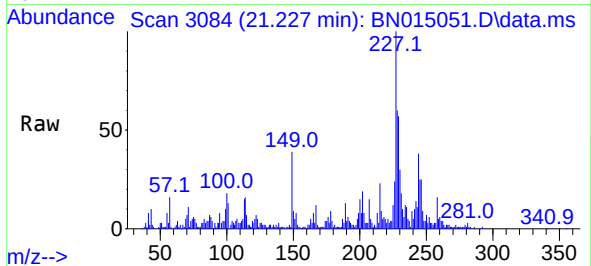


#86
Bis(2-ethylhexyl)phthalate
Concen: 1.686 ng/ul
RT: 21.227 min Scan# 3084
Delta R.T. 0.000 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Tgt Ion:149 Resp: 34678
Ion Ratio Lower Upper
149 100
167 31.1 23.4 35.0
279 4.4 3.4 5.2

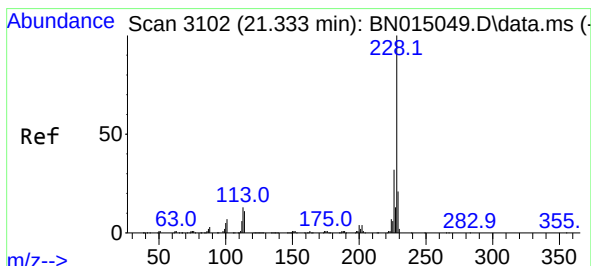
Instrument :
BNA_N
ClientSampleId :
BGDF3

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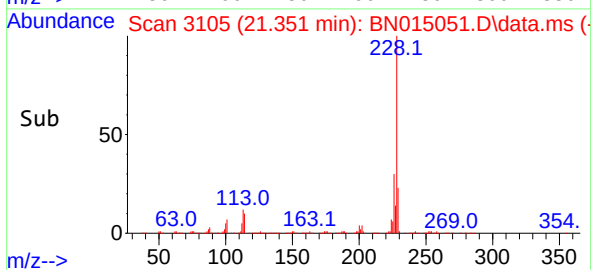
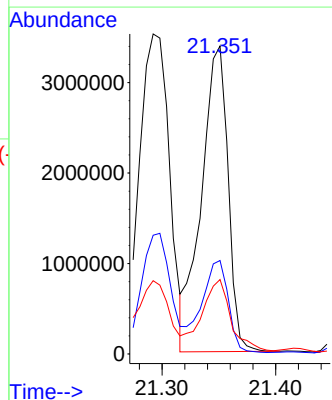
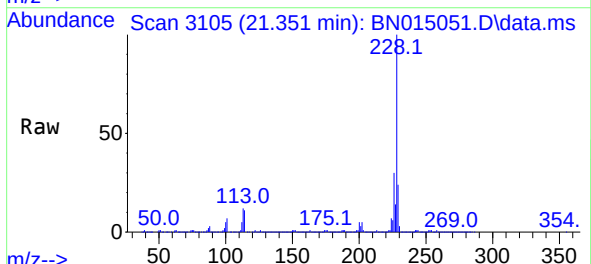
mohammad

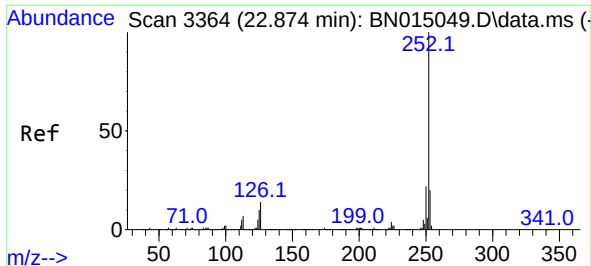
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#87
Chrysene
Concen: 165.889 ng/ul
RT: 21.351 min Scan# 3105
Delta R.T. 0.018 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Tgt Ion:228 Resp: 5519111
Ion Ratio Lower Upper
228 100
226 30.3 22.6 33.8
229 24.1 15.5 23.3#



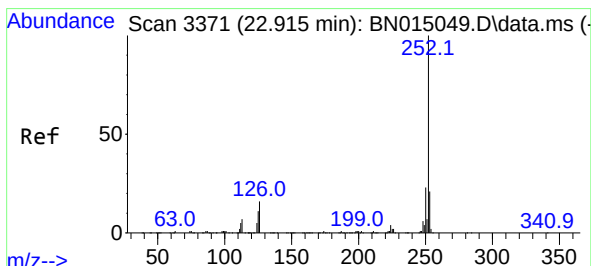
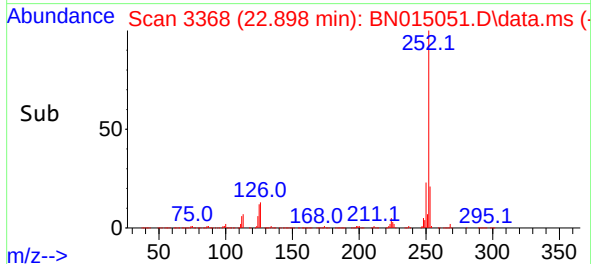
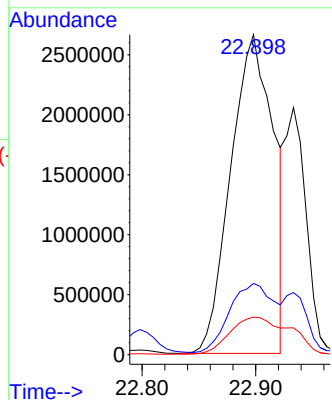
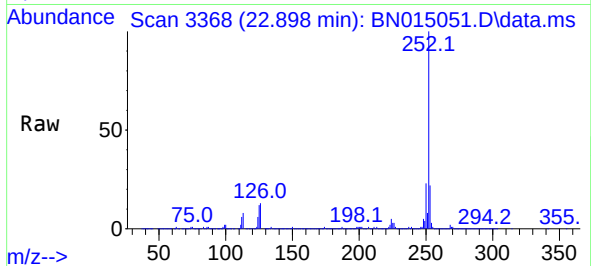


#90
Benzo(b)fluoranthene
Concen: 157.963 ng/ul
RT: 22.898 min Scan# 3368
Delta R.T. 0.030 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Tgt Ion:252 Resp: 6950932
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 11.8 9.4 14.0

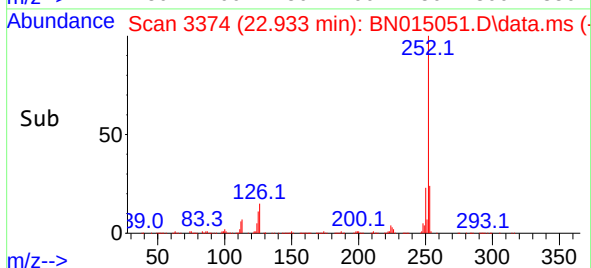
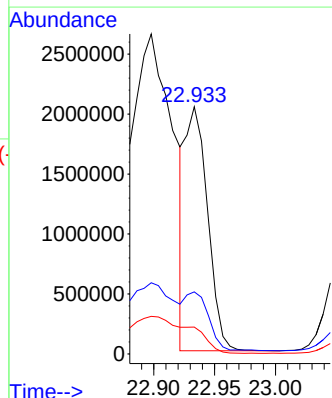
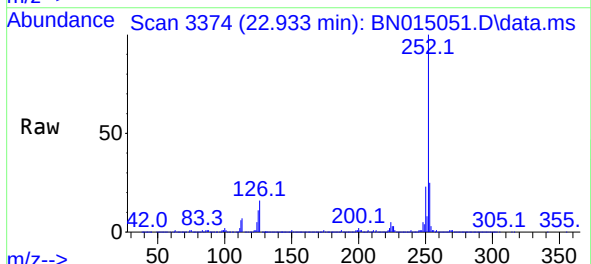
Instrument :
BNA_N
ClientSampleId :
BGDF3

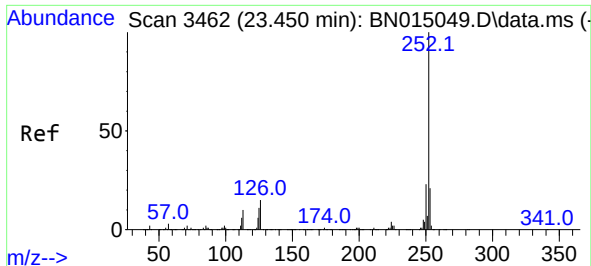
Manual Integrations
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#91
Benzo(k)fluoranthene
Concen: 57.843 ng/ul
RT: 22.933 min Scan# 3374
Delta R.T. 0.018 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Tgt Ion:252 Resp: 2576051
Ion Ratio Lower Upper
252 100
253 25.1 18.0 27.0
125 10.9 8.8 13.2



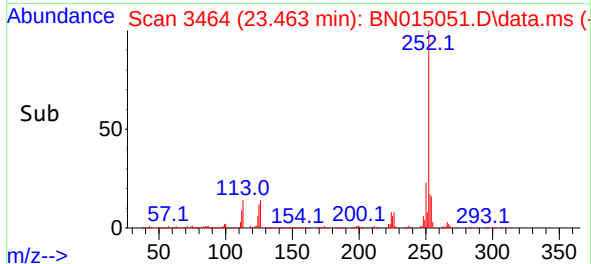
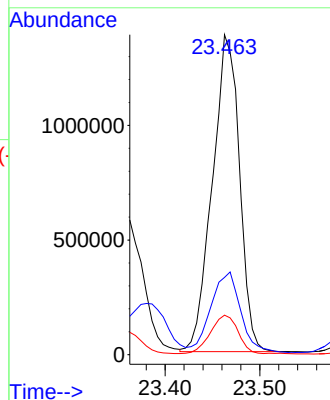
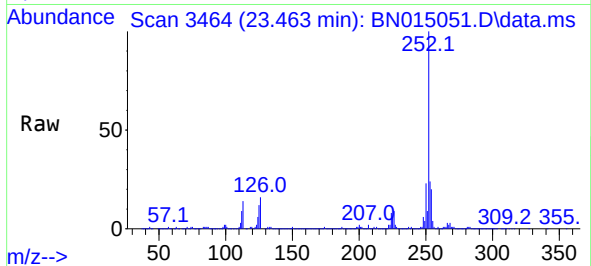


#93
Benzo(a)pyrene
Concen: 68.772 ng/ul
RT: 23.463 min Scan# 3464
Delta R.T. 0.018 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Tgt Ion:252 Resp: 2750617
Ion Ratio Lower Upper
252 100
253 24.2 16.4 24.6
125 12.3 9.3 13.9

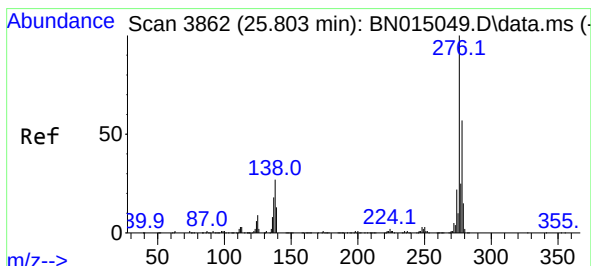
Instrument :
BNA_N
ClientSampleId :
BGDF3

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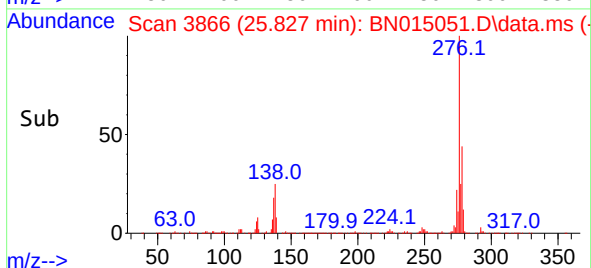
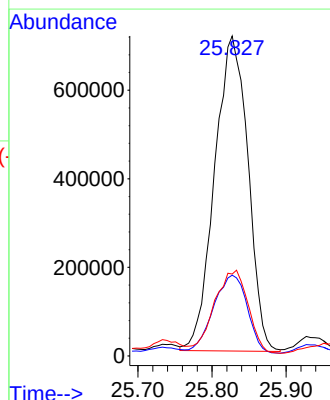
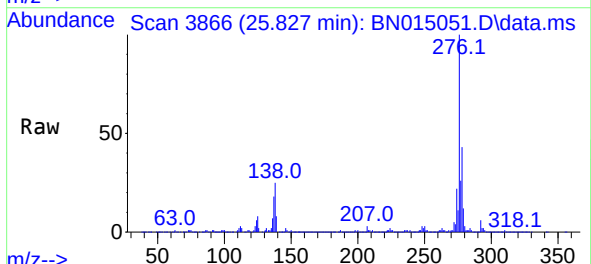
mohammad

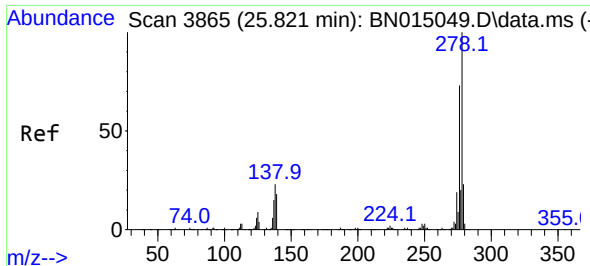
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#94
Indeno(1,2,3-cd)pyrene
Concen: 45.805 ng/ul
RT: 25.827 min Scan# 3866
Delta R.T. 0.024 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Tgt Ion:276 Resp: 2222653
Ion Ratio Lower Upper
276 100
138 25.3 23.0 34.4
277 25.6 19.5 29.3



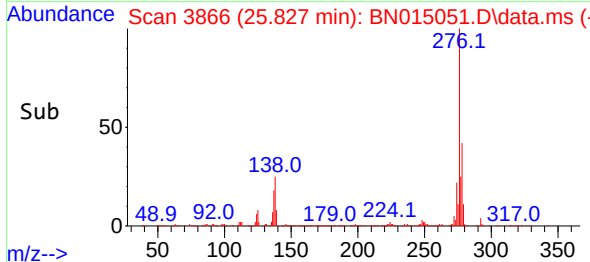
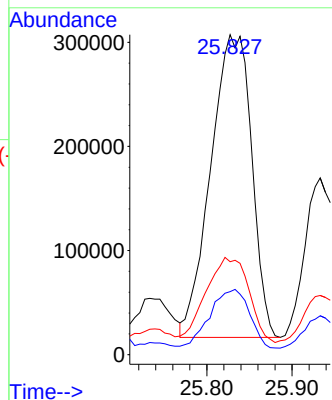
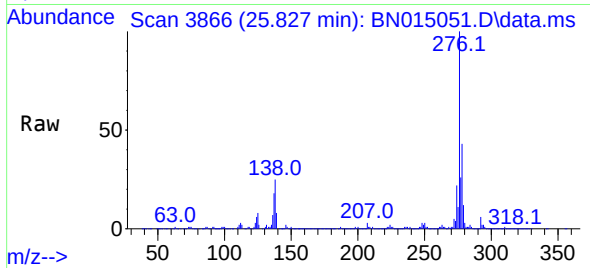


#95
Dibenzo(a,h)anthracene
Concen: 24.102 ng/ul
RT: 25.827 min Scan# 3866
Delta R.T. 0.006 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Tgt Ion:278 Resp: 969362
Ion Ratio Lower Upper
278 100
139 19.7 14.8 22.2
279 29.1 20.2 30.4

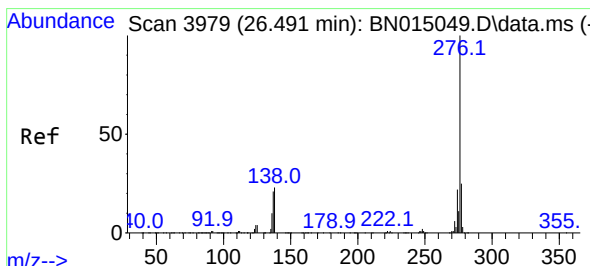
Instrument :
BNA_N
ClientSampled :
BGDF3

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#96
Benzo(g,h,i)perylene
Concen: 2.232 ng/ul m
RT: 26.515 min Scan# 3983
Delta R.T. 0.018 min
Lab File: BN015051.D
Acq: 24 Jun 2021 22:04

Tgt Ion:276 Resp: 93637
Ion Ratio Lower Upper
276 100
138 37.6 19.4 29.2#
277 37.9 18.4 27.6#

