

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
 Data File : BM024675.D
 Acq On : 31 Jan 2020 01:06
 Operator : CG/JU
 Sample : L1287-03DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 AOC-3-EXC-PIT-(0-5)-BDL

Manual Integrations
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mohammad
 2/3/2020 7:55:47 AM

Quant Time: Jan 31 03:08:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	200593	20.00	ng	-0.02
21) Naphthalene-d8	10.19	136	774531	20.00	ng	-0.02
39) Acenaphthene-d10	14.08	164	524672	20.00	ng	-0.01
64) Phenanthrene-d10	16.83	188	1199763	20.00	ng	-0.01
76) Chrysene-d12	21.04	240	1321362	20.00	ng	-0.02
87) Perylene-d12	23.15	264	1588560	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	172213	16.33	ng	-0.01
7) Phenol-d6	6.63	99	220180	15.15	ng	-0.02
23) Nitrobenzene-d5	8.56	82	138759	8.79	ng	-0.02
42) 2,4,6-Tribromophenol	15.57	330	143264	16.79	ng	-0.02
45) 2-Fluorobiphenyl	12.69	172	384491	9.96	ng	-0.02
79) Terphenyl-d14	19.49	244	720699	10.18	ng	-0.02
Target Compounds						
31) Naphthalene	10.23	128	241269	6.167	ng	Qvalue 100
37) 2-Methylnaphthalene	11.86	142	402904	13.346	ng	98
38) 1-Methylnaphthalene	12.09	142	829451	28.884	ng	97
49) Acenaphthylene	13.79	152	485465	10.117	ng	98
52) Acenaphthene	14.14	154	678515	22.787	ng	99
55) Dibenzofuran	14.48	168	98326	2.025	ng	# 93
58) Fluorene	15.13	166	708292	17.356	ng	98
71) Phenanthrene	16.87	178	3124929	48.099	ng	98
72) Anthracene	16.96	178	1106490	17.406	ng	99
75) Fluoranthene	18.90	202	2057183	25.370	ng	98
78) Pyrene	19.27	202	2858991	32.821	ng	100
81) Benzo(a)anthracene	21.03	228	1297304m	14.146	ng	
83) Chrysene	21.07	228	1279737m	14.624	ng	
84) Bis(2-ethylhexyl)phthalate	21.00	149	1678548	31.123	ng	97
86) Indeno(1,2,3-cd)pyrene	25.21	276	483621	5.070	ng	97
88) Benzo(b)fluoranthene	22.53	252	1127726m	10.946	ng	
89) Benzo(k)fluoranthene	22.57	252	313917m	3.121	ng	
90) Benzo(a)pyrene	23.06	252	982946	10.493	ng	97
92) Benzo(a,h,i)perylene	25.84	276	475547	5.891	ng	97

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

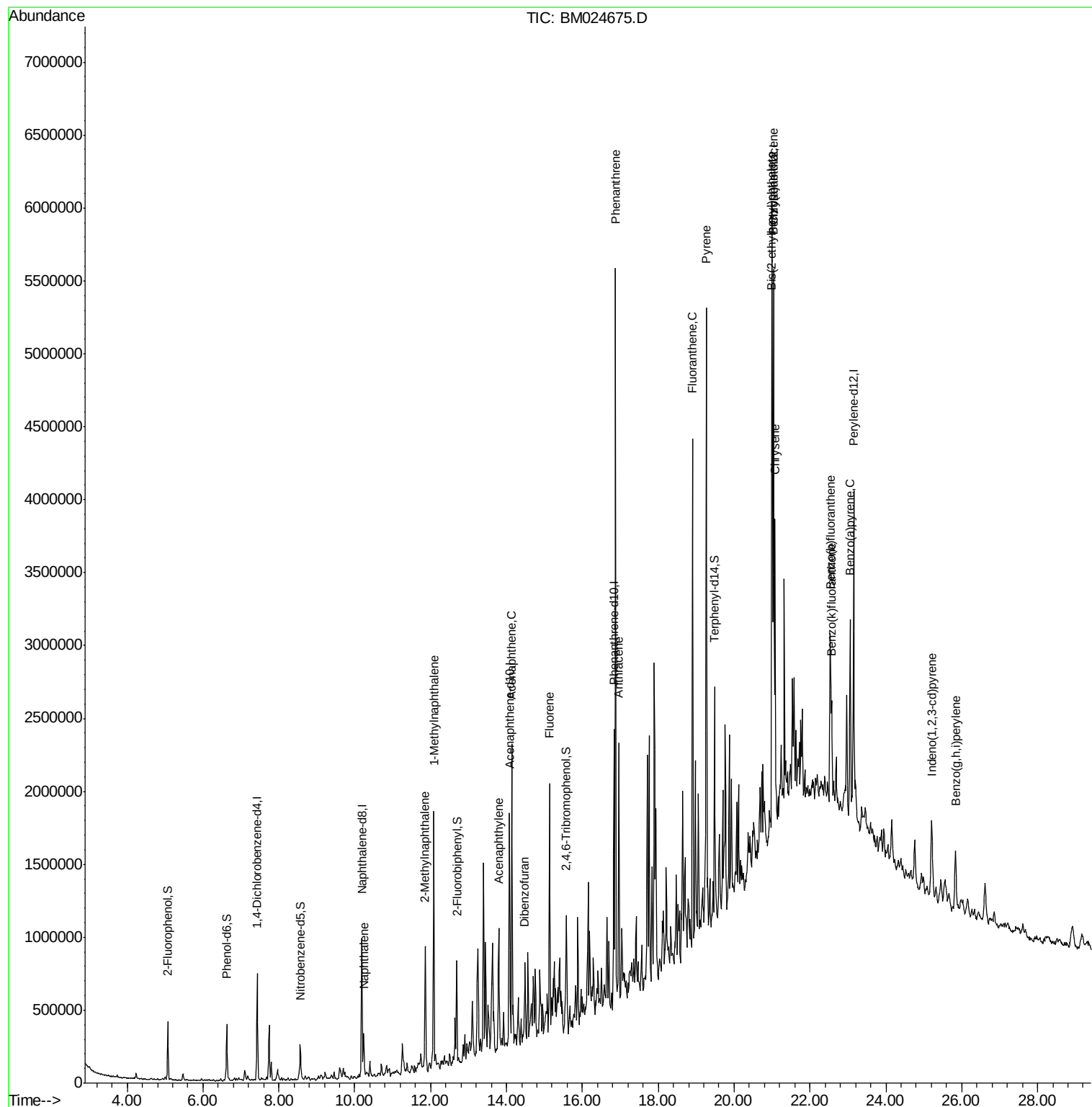
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
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ALS Vial : 18 Sample Multiplier: 1

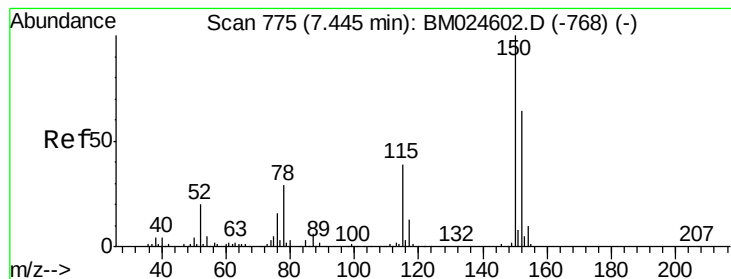
Instrument :
BNA_M
ClientSampleId :
AOC-3-EXC-PIT-(0-5)-BDL

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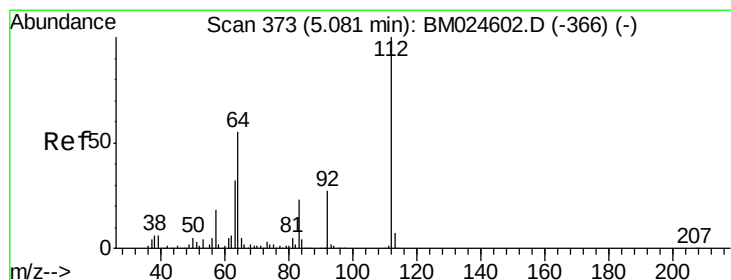
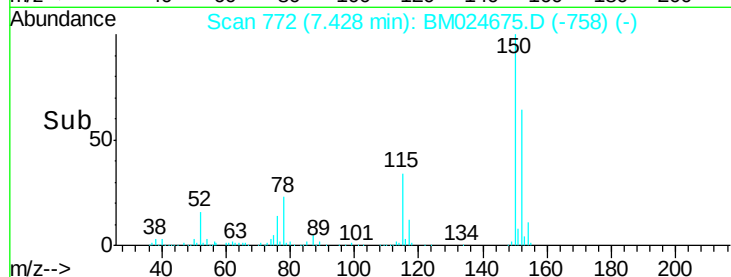
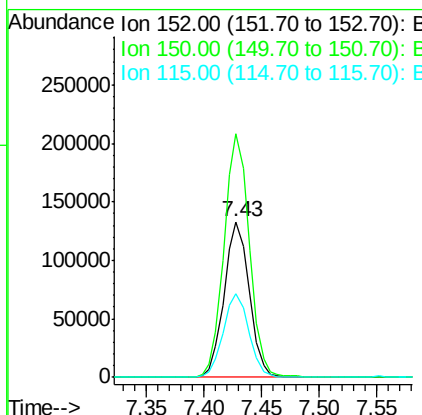
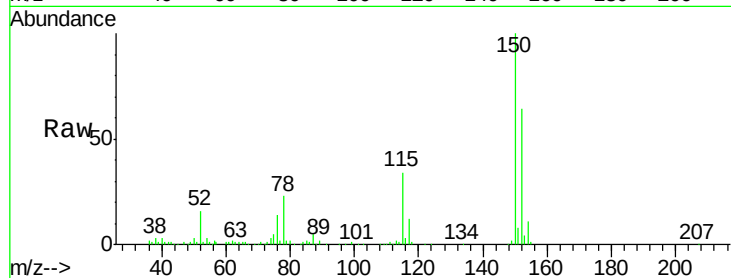
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.43 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BM024675.D
 Acq: 31 Jan 2020 01:06

Instrument :
 BNA_M
 ClientSampleId :
 AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.2	186.4
115	53.6	48.6	72.8

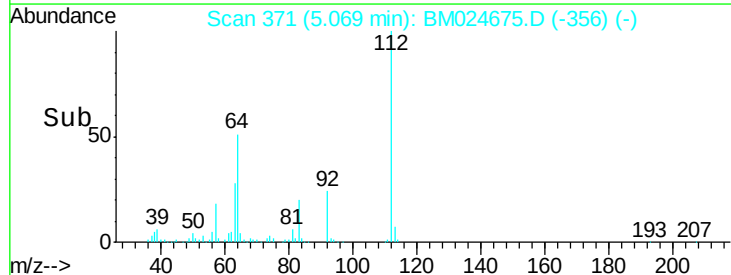
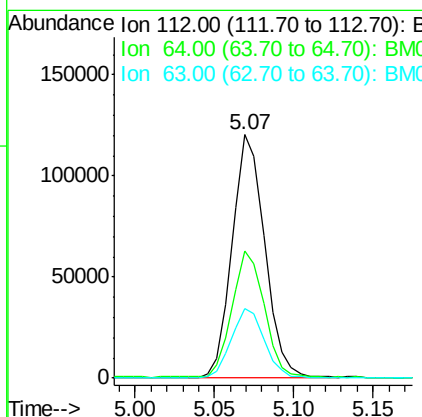
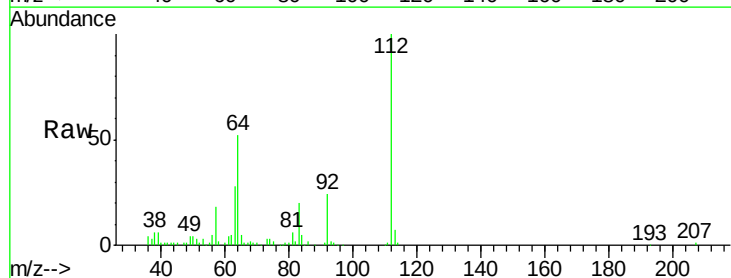
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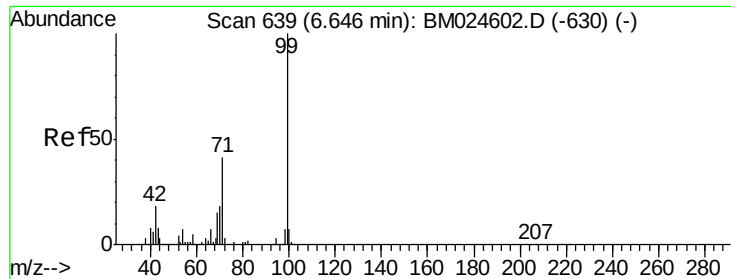
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#5
 2-Fluorophenol
 Concen: 16.327 ng
 RT: 5.07 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: BM024675.D
 Acq: 31 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	44.2	66.4
63	28.5	25.9	38.9





#7

Phenol-d6

Concen: 15.153 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.02 min

Lab File: BM024675.D

Acq: 31 Jan 2020 01:06

Instrument :

BNA_M

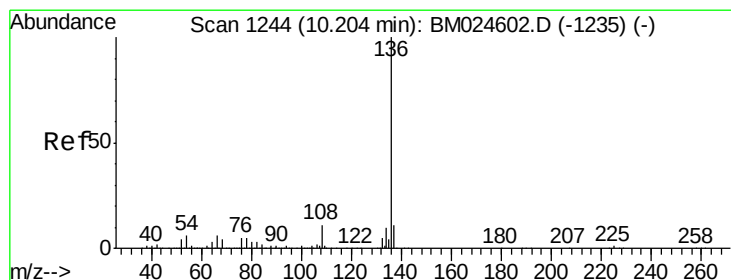
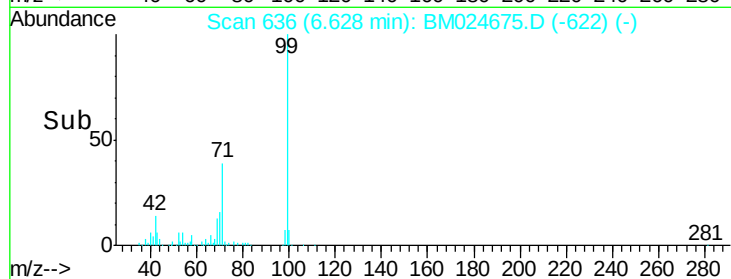
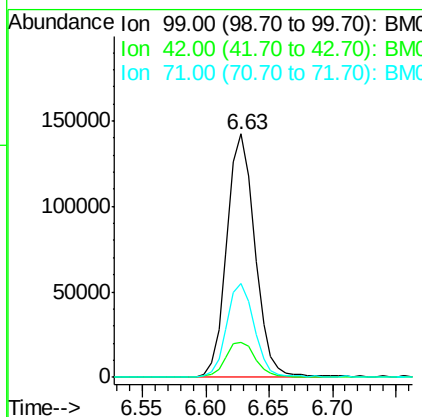
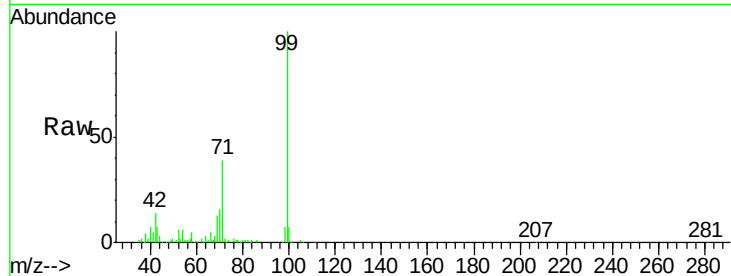
ClientSampleId :

AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		220180		
42	14.5	14.1	21.1		
71	38.6	33.0	49.6		

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#21

Naphthalene-d8

Concen: 20.000 ng

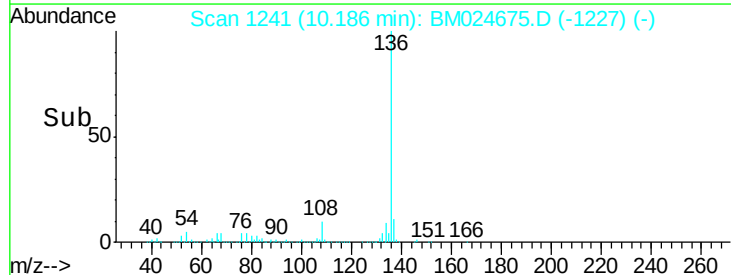
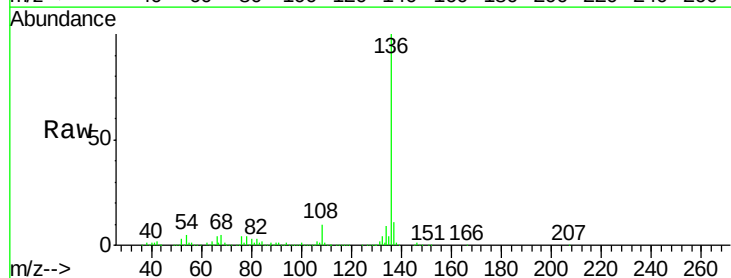
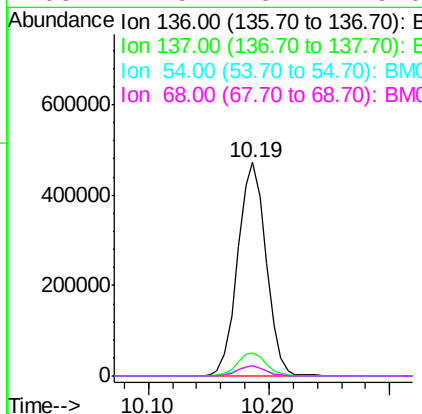
RT: 10.19 min Scan# 1241

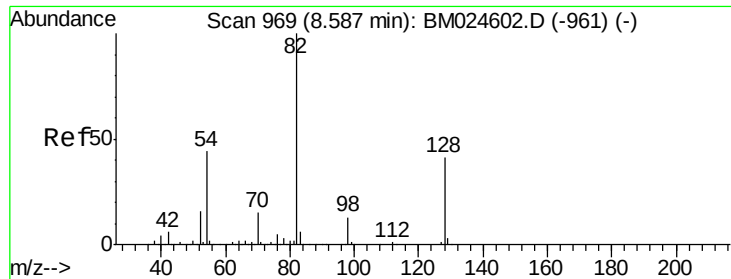
Delta R.T. -0.02 min

Lab File: BM024675.D

Acq: 31 Jan 2020 01:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		774531		
137	11.1	8.6	13.0		
54	4.6	4.5	6.7		
68	4.5	3.4	5.0		





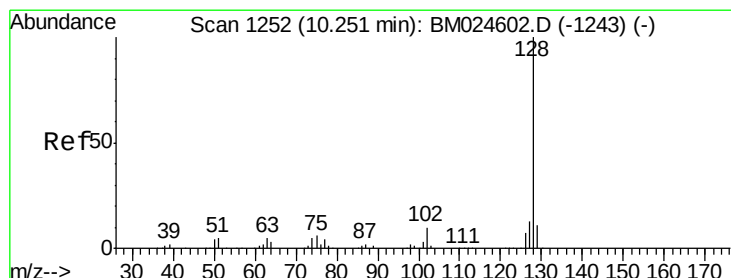
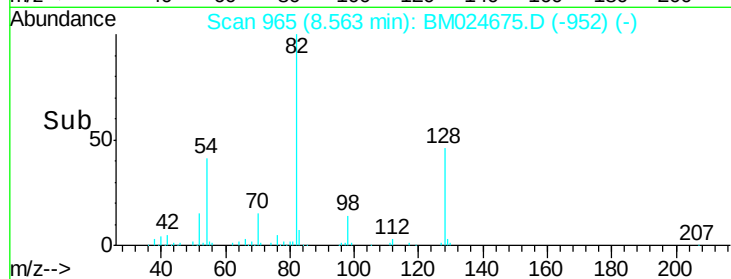
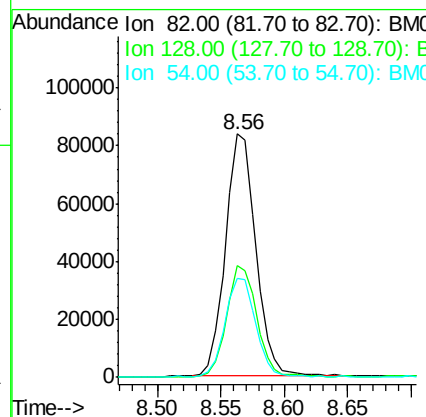
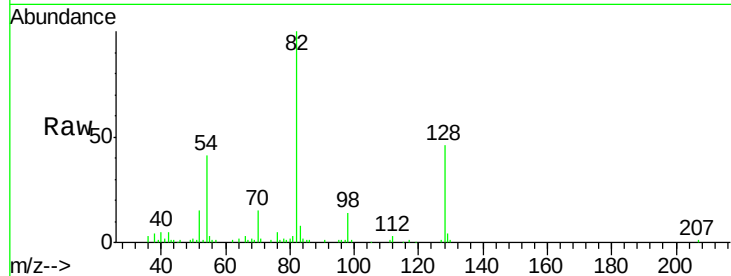
#23
Nitrobenzene-d5
Concen: 8.786 ng
RT: 8.56 min Scan# 965
Delta R.T. -0.02 min
Lab File: BM024675.D
Acq: 31 Jan 2020 01:06

Instrument :
BNA_M
ClientSampleId :
AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	32.6	48.8
54	40.9	34.8	52.2

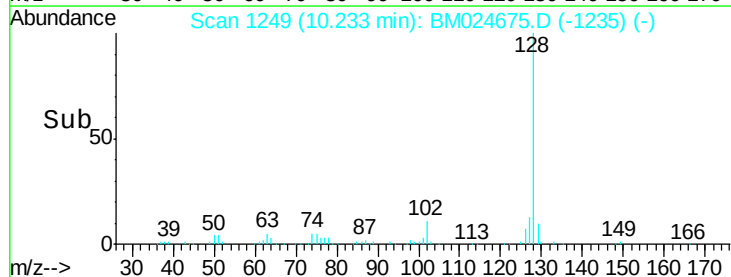
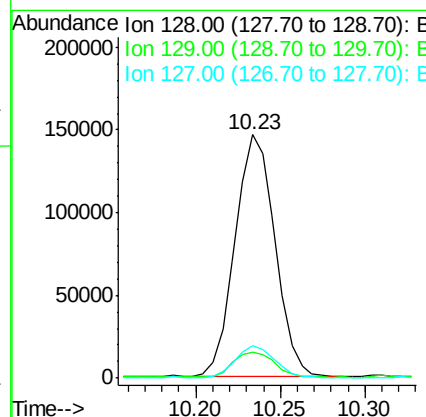
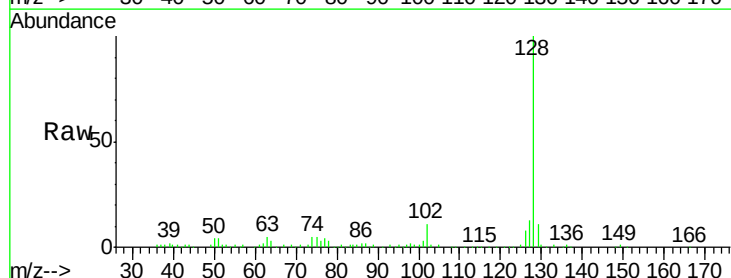
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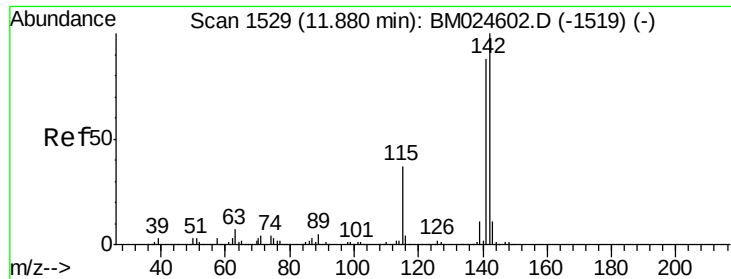
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#31
Naphthalene
Concen: 6.167 ng
RT: 10.23 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BM024675.D
Acq: 31 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.1	10.6	15.8





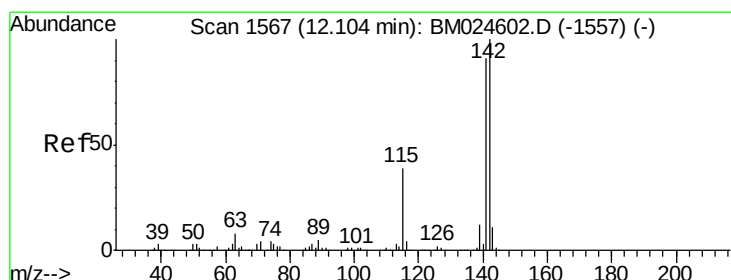
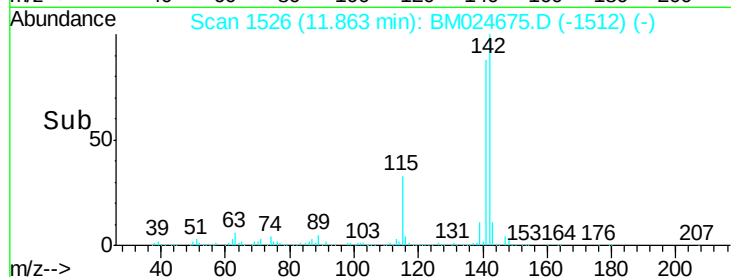
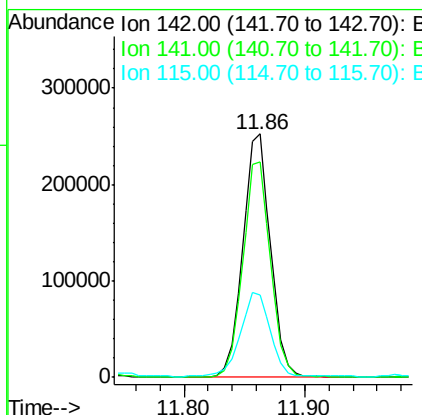
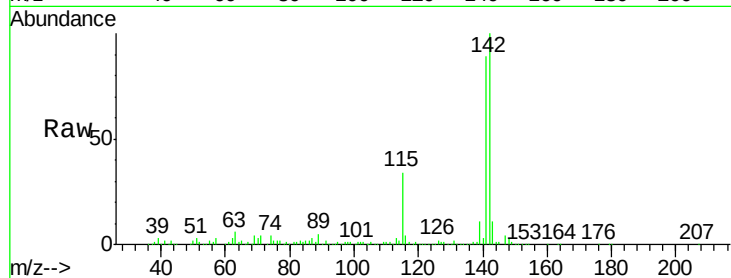
#37
2-Methylnaphthalene
Concen: 13.346 ng
RT: 11.86 min Scan# 1526
Delta R.T. -0.02 min
Lab File: BM024675.D
Acq: 31 Jan 2020 01:06

Instrument :
BNA_M
ClientSampleId :
AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.2	105.2
115	33.6	29.7	44.5

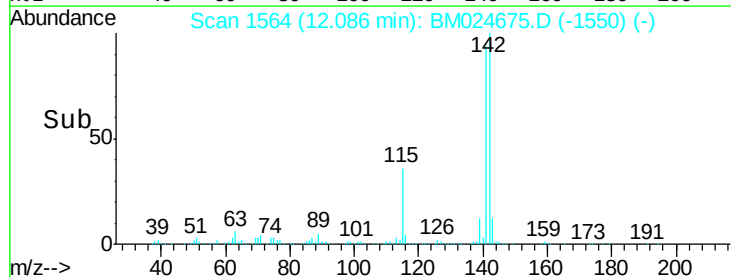
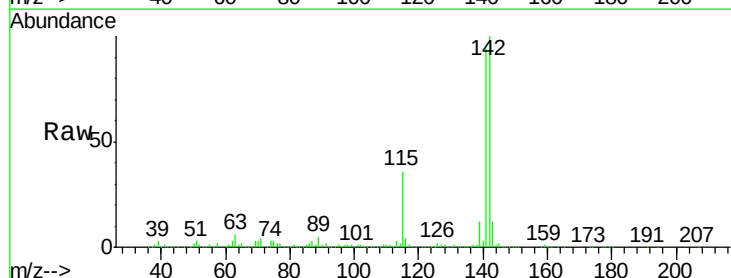
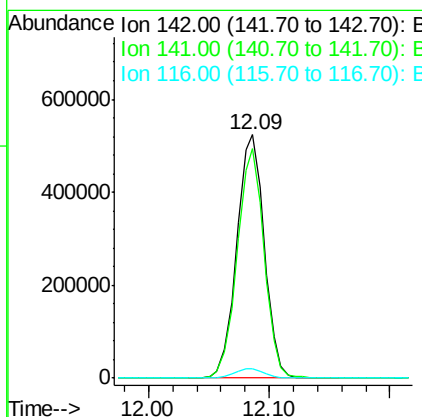
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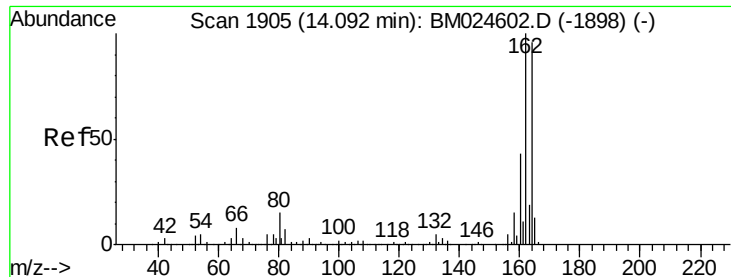
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#38
1-Methylnaphthalene
Concen: 28.884 ng
RT: 12.09 min Scan# 1564
Delta R.T. -0.02 min
Lab File: BM024675.D
Acq: 31 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.0	72.8	109.2
116	3.9	3.2	4.8





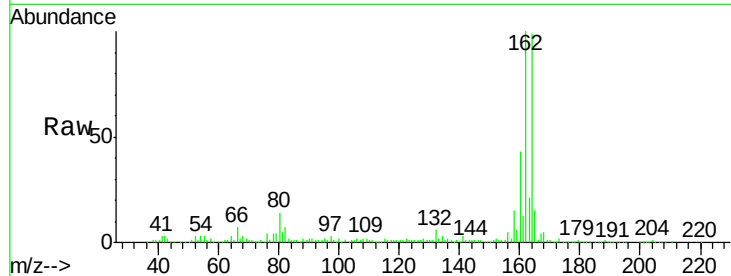
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.08 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM024675.D
Acq: 31 Jan 2020 01:06

Instrument :
BNA_M
ClientSampleId :
AOC-3-EXC-PIT-(0-5)-BDL

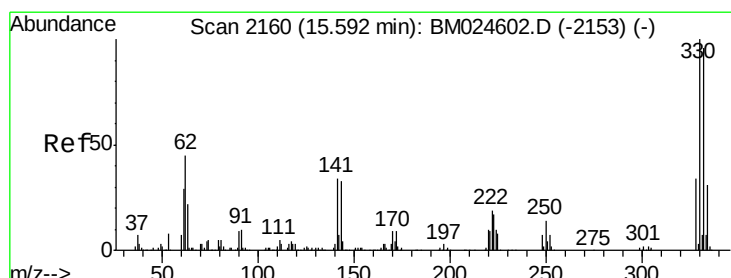
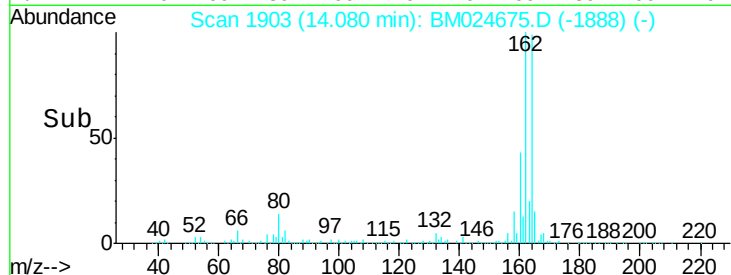
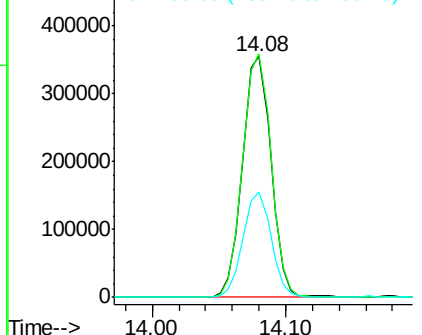
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.9	124.3
160	43.9	35.5	53.3

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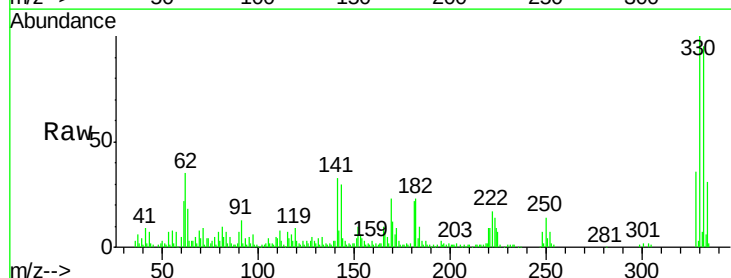


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

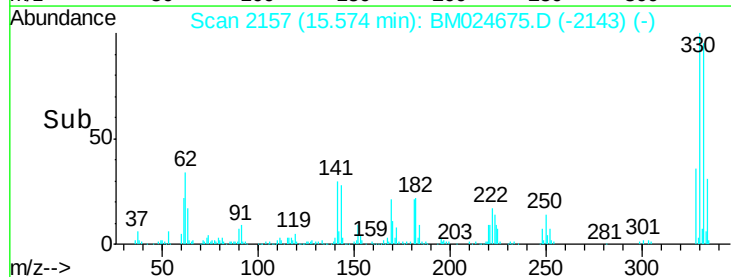
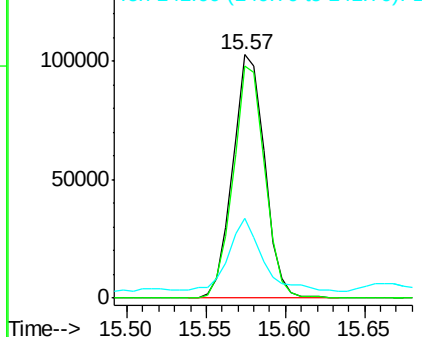


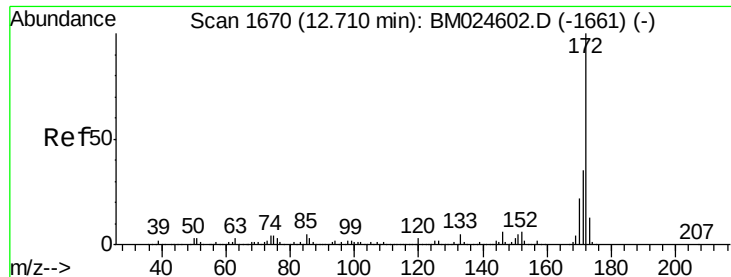
#42
2,4,6-Tribromophenol
Concen: 16.786 ng
RT: 15.57 min Scan# 2157
Delta R.T. -0.02 min
Lab File: BM024675.D
Acq: 31 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.2	115.8
141	31.2	26.9	40.3



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





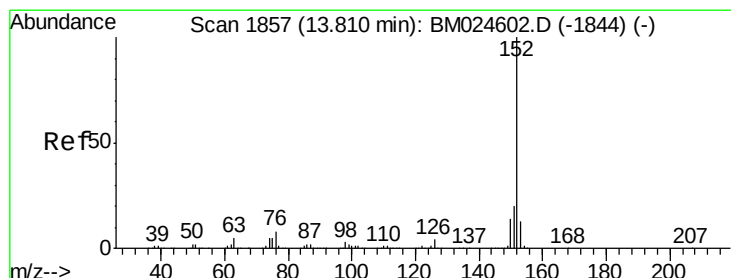
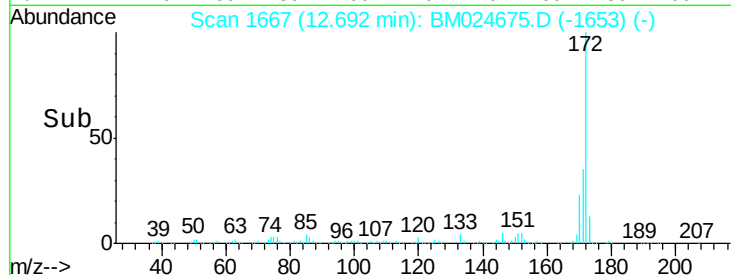
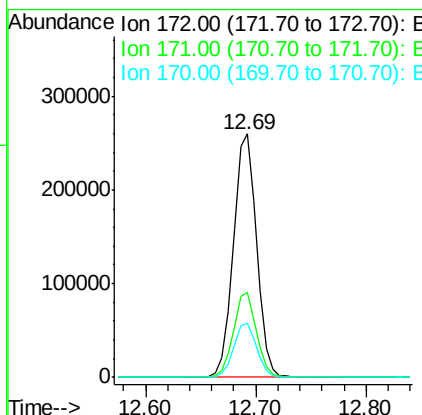
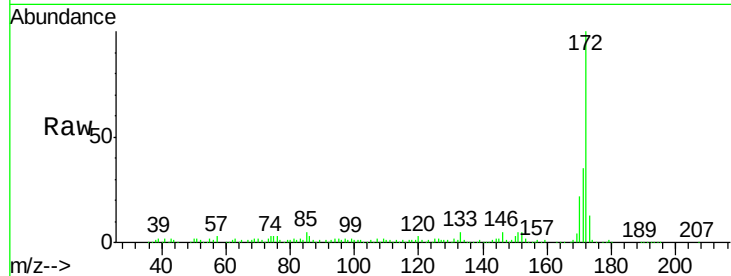
#45
2-Fluorobiphenyl
Concen: 9.963 ng
RT: 12.69 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BM024675.D
Acq: 31 Jan 2020 01:06

Instrument :
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AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.3	42.5
170	22.5	17.9	26.9

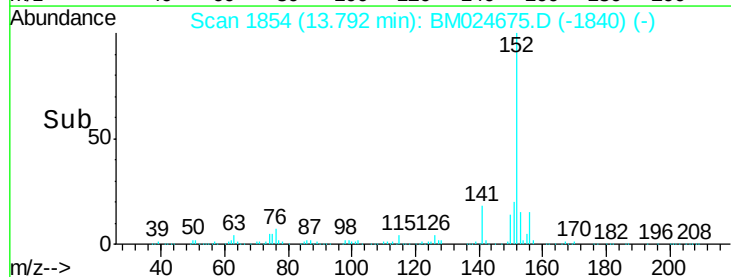
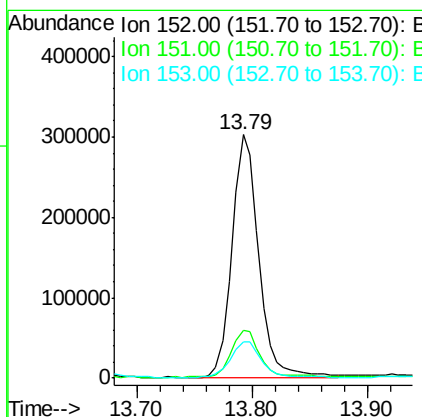
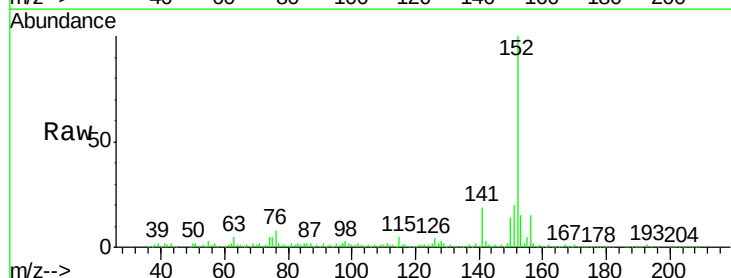
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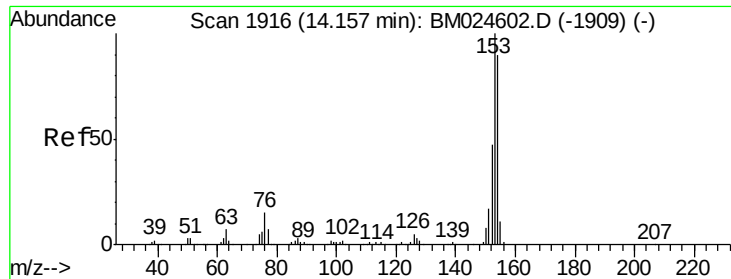
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#49
Acenaphthylene
Concen: 10.117 ng
RT: 13.79 min Scan# 1854
Delta R.T. -0.02 min
Lab File: BM024675.D
Acq: 31 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	15.1	10.4	15.6





#52

Acenaphthene

Concen: 22.787 ng

RT: 14.14 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BM024675.D

Acq: 31 Jan 2020 01:06

Instrument :

BNA_M

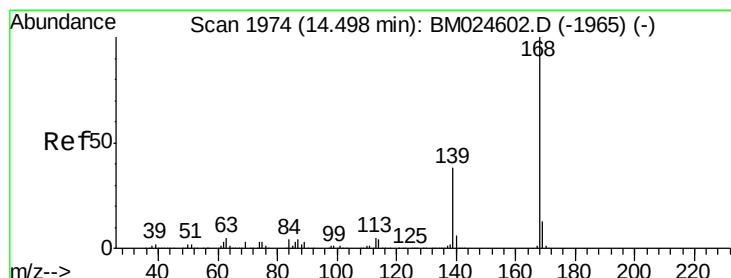
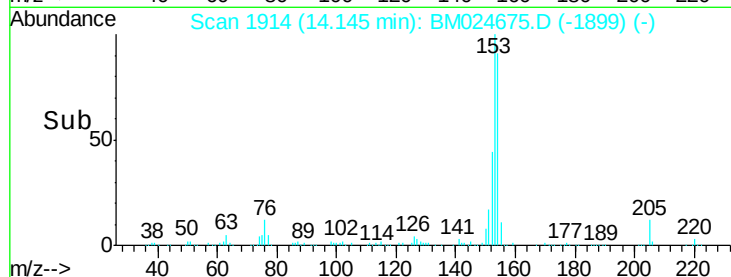
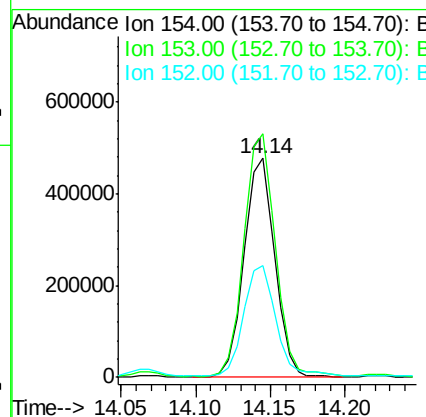
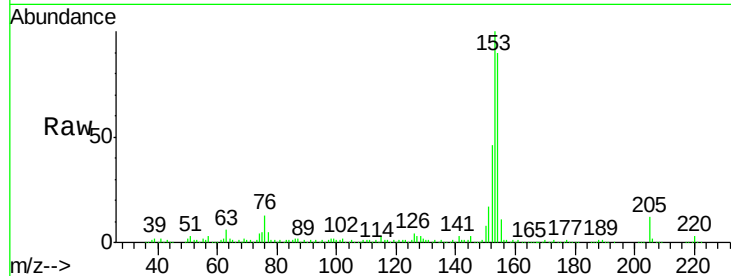
ClientSampleId :

AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion:	154	Resp:	678515
Ion Ratio	Lower	Upper	
154	100		
153	111.2	89.1	133.7
152	51.0	41.9	62.9

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#55

Dibenzofuran

Concen: 2.025 ng

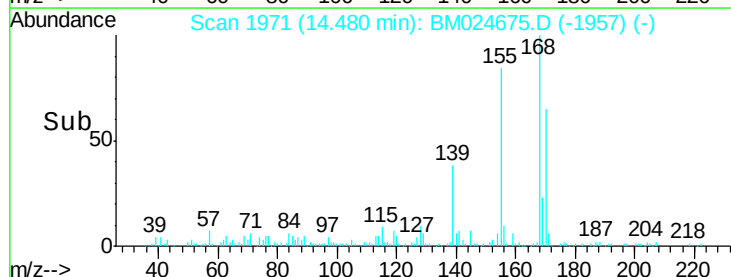
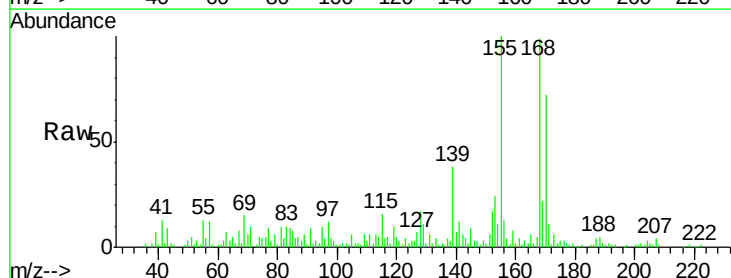
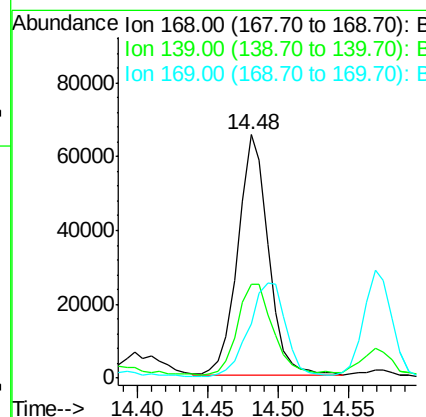
RT: 14.48 min Scan# 1971

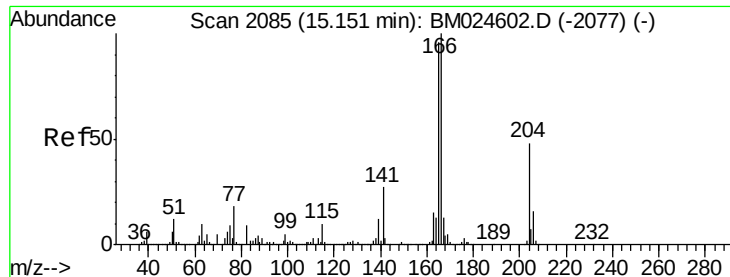
Delta R.T. -0.02 min

Lab File: BM024675.D

Acq: 31 Jan 2020 01:06

Tgt Ion:	168	Resp:	98326
Ion Ratio	Lower	Upper	
168	100		
139	38.6	30.2	45.4
169	22.4	10.7	16.1#





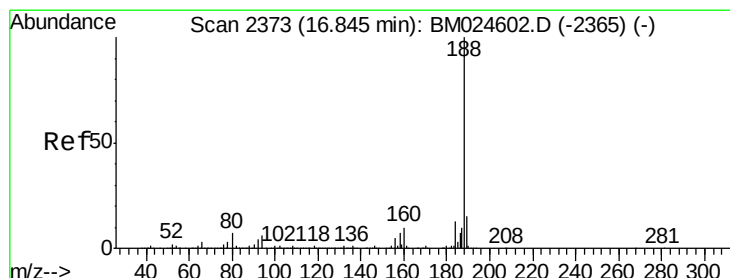
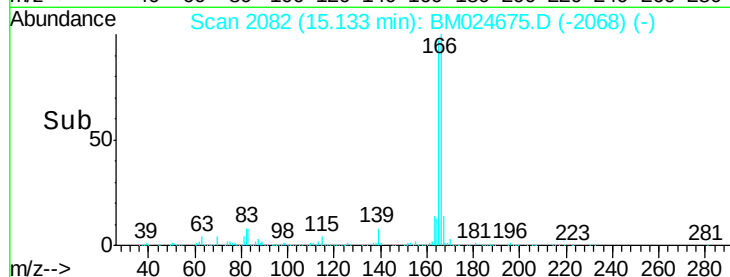
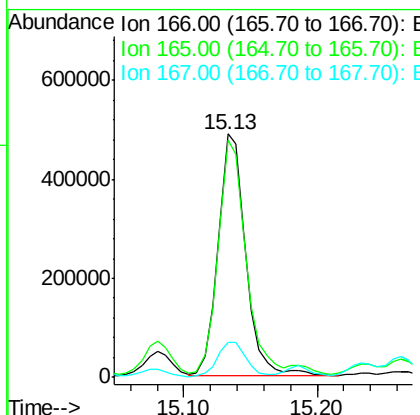
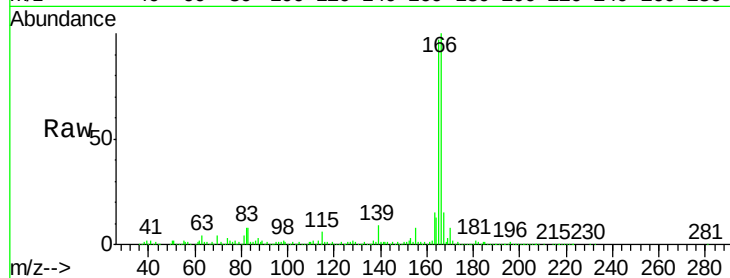
#58
 Fluorene
 Concen: 17.356 ng
 RT: 15.13 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: BM024675.D
 Acq: 31 Jan 2020 01:06

Instrument :
 BNA_M
 ClientSampleId :
 AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	97.4	76.6	114.8	
167	14.6	10.8	16.2	

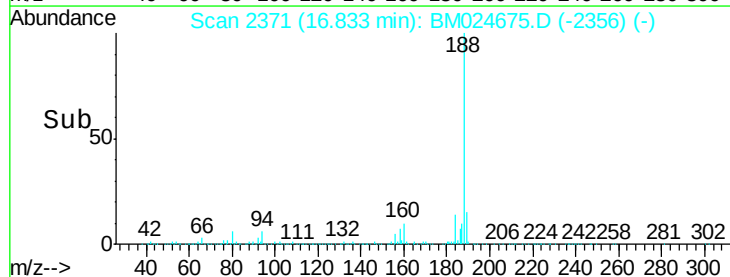
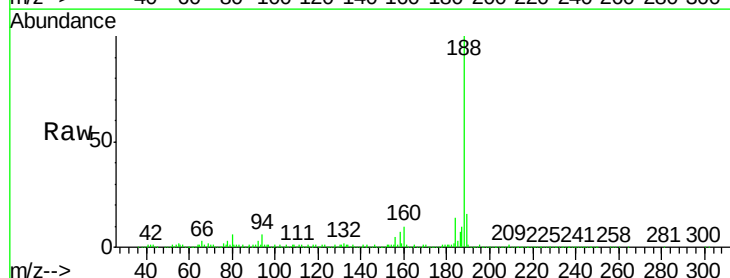
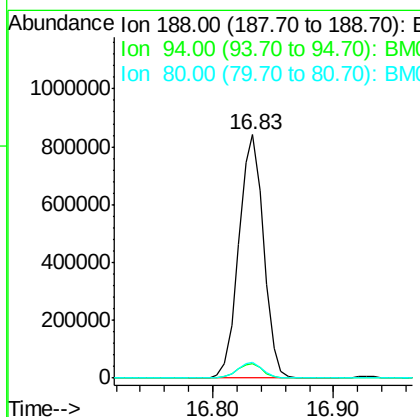
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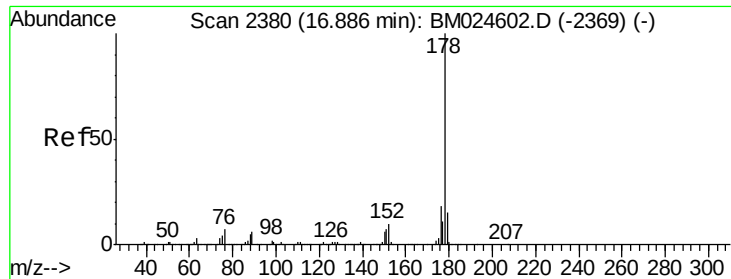
mohammad
 2/3/2020 7:55:47 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.83 min Scan# 2371
 Delta R.T. -0.01 min
 Lab File: BM024675.D
 Acq: 31 Jan 2020 01:06

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	5.8	5.0	7.6	
80	6.3	5.8	8.8	





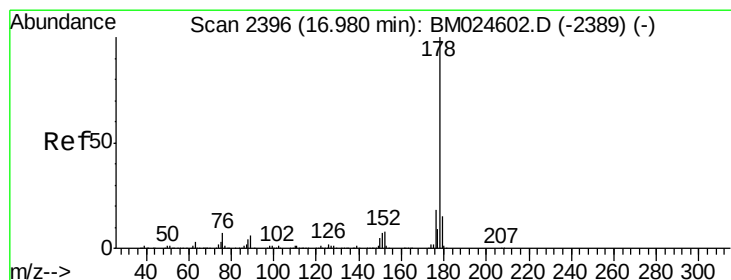
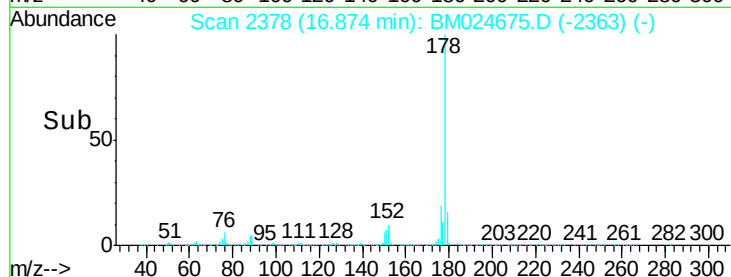
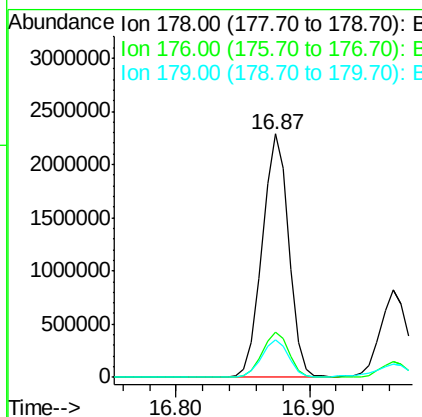
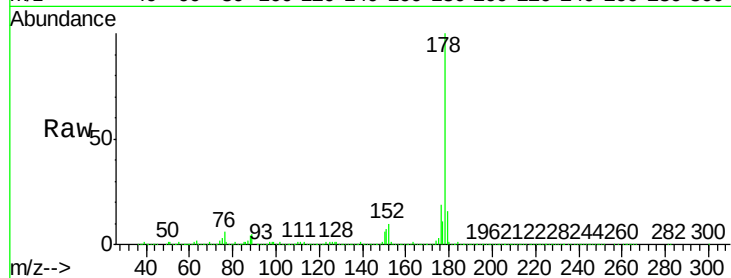
#71
Phenanthrene
Concen: 48.099 ng
RT: 16.87 min Scan# 2378
Delta R.T. -0.01 min
Lab File: BM024675.D
Acq: 31 Jan 2020 01:06

Instrument :
BNA_M
ClientSampleId :
AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.5	21.7
179	15.7	11.9	17.9

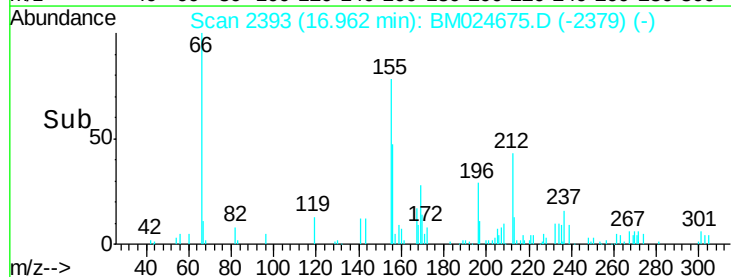
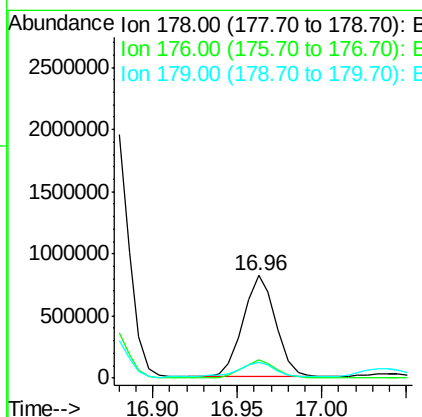
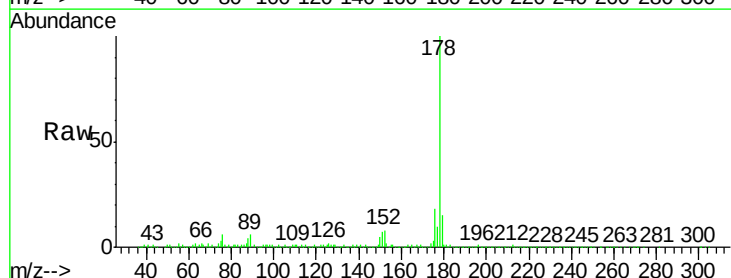
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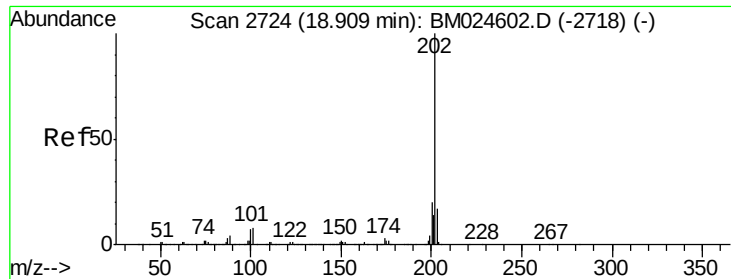
mohammad
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#72
Anthracene
Concen: 17.406 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.02 min
Lab File: BM024675.D
Acq: 31 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.3	21.5
179	15.5	12.1	18.1





#75

Fluoranthene

Concen: 25.370 ng

RT: 18.90 min Scan# 2723

Delta R.T. -0.01 min

Lab File: BM024675.D

Acq: 31 Jan 2020 01:06

Instrument :

BNA_M

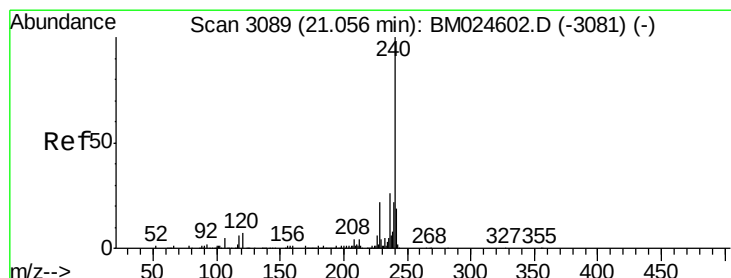
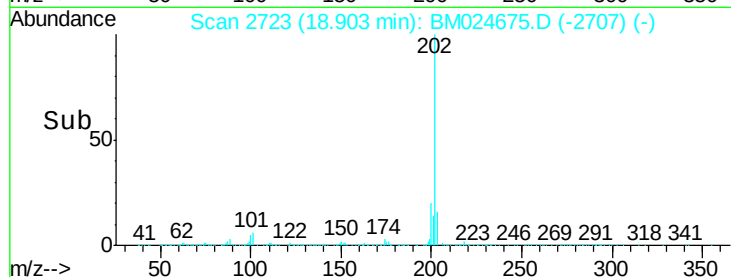
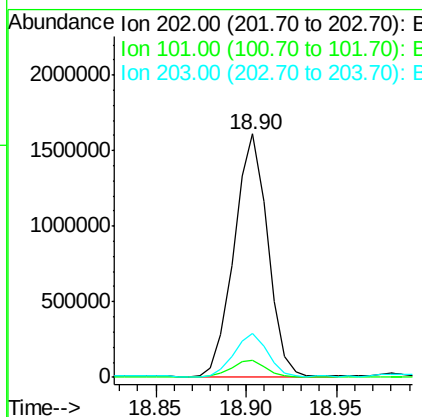
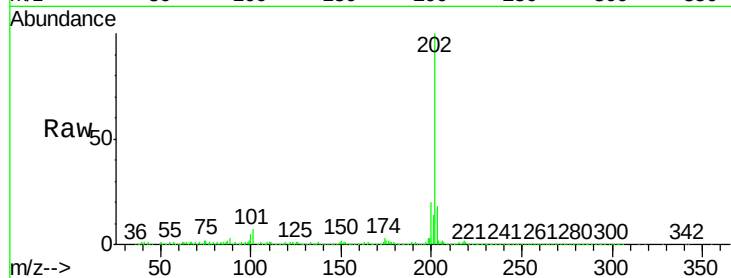
ClientSampleId :

AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion:	202	Resp:	2057183
Ion	Ratio	Lower	Upper
202	100		
101	6.8	0.0	28.4
203	18.1	0.0	37.5

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

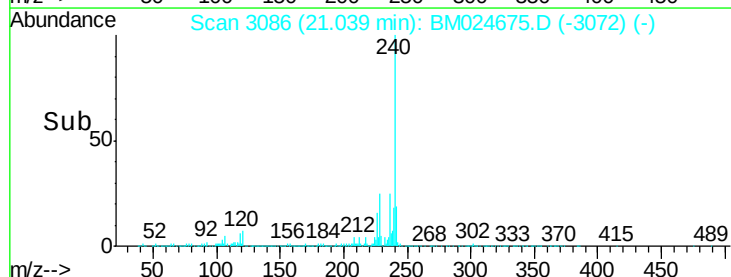
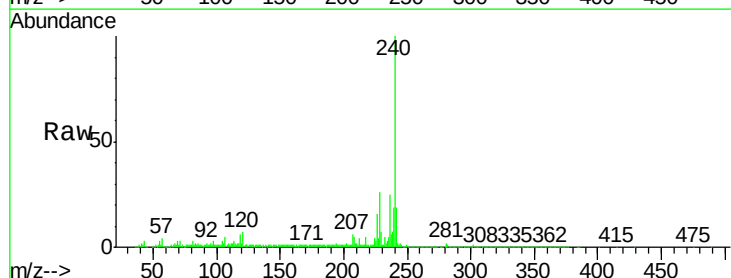
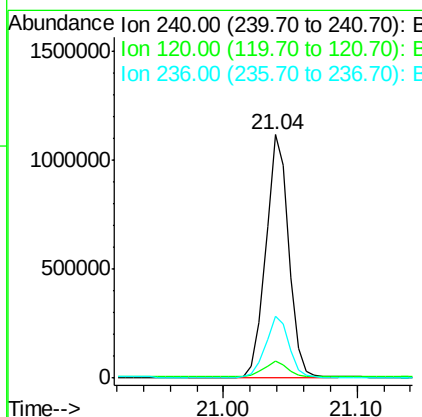
RT: 21.04 min Scan# 3086

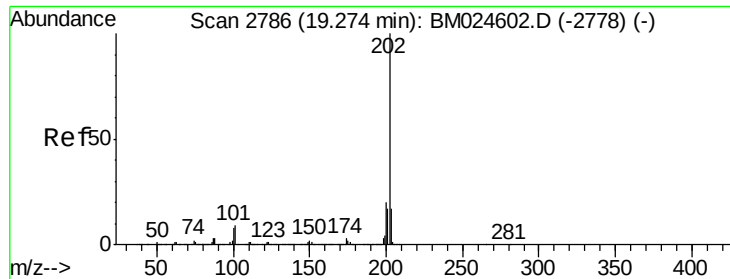
Delta R.T. -0.02 min

Lab File: BM024675.D

Acq: 31 Jan 2020 01:06

Tgt Ion:	240	Resp:	1321362
Ion	Ratio	Lower	Upper
240	100		
120	7.1	5.3	7.9
236	25.2	20.6	31.0





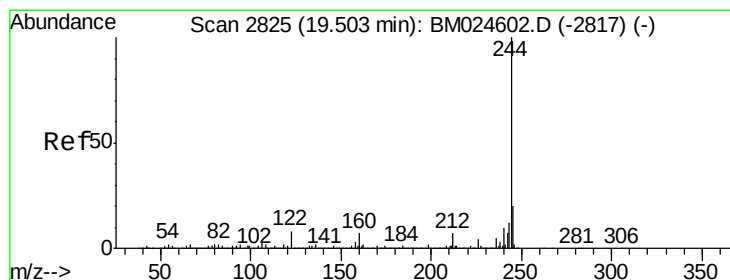
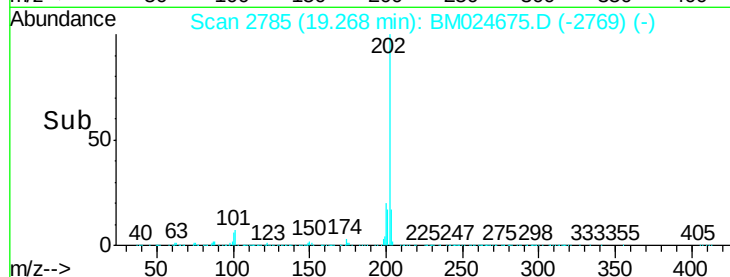
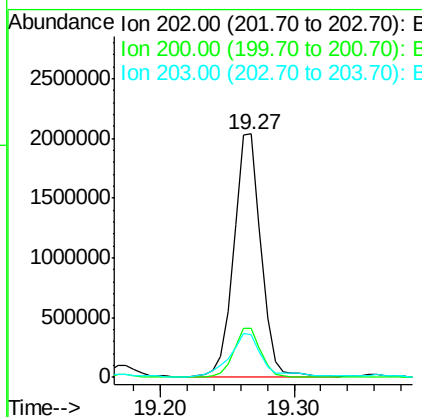
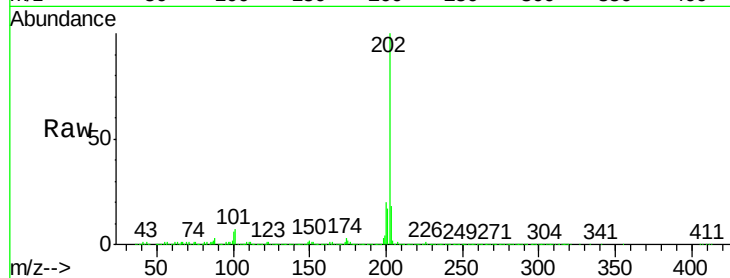
#78
Pvrene
Concen: 32.821 ng
RT: 19.27 min Scan# 2785
Delta R.T. -0.01 min
Lab File: BM024675.D
Acq: 31 Jan 2020 01:06

Instrument :
BNA_M
ClientSampleId :
AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.2
203	17.8	14.0	21.0

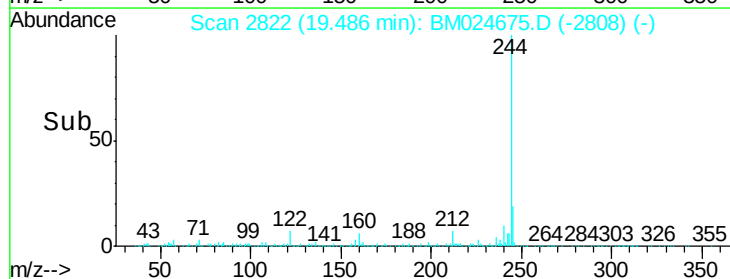
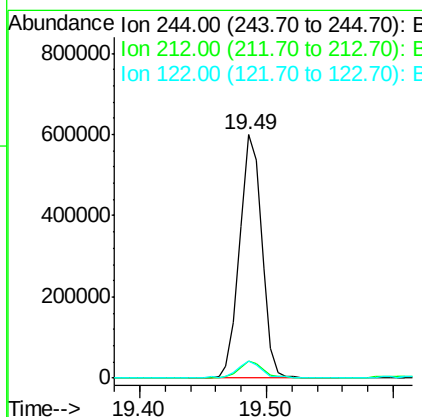
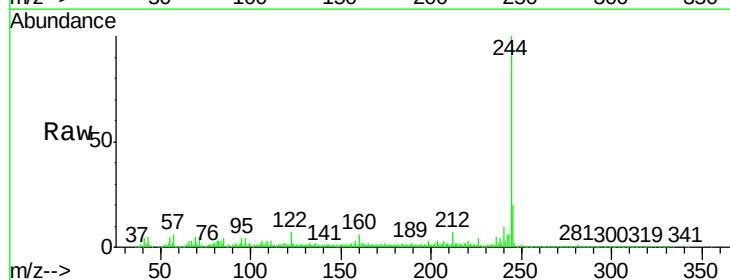
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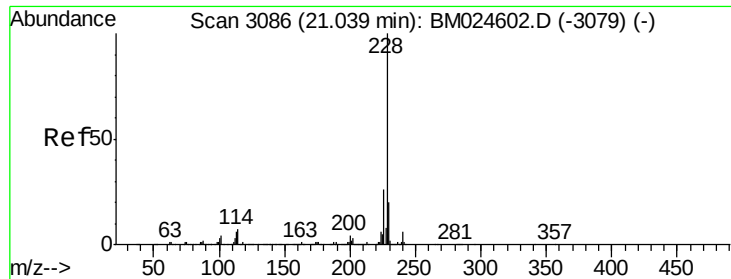
mohammad
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#79
Terphenyl-d14
Concen: 10.182 ng
RT: 19.49 min Scan# 2822
Delta R.T. -0.02 min
Lab File: BM024675.D
Acq: 31 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	7.0	6.2	9.4





#81

Benzo(a)anthracene

Concen: 14.146 ng m

RT: 21.03 min Scan# 3084

Delta R.T. -0.01 min

Lab File: BM024675.D

Acq: 31 Jan 2020 01:06

Instrument :

BNA_M

ClientSampleId :

AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion:228 Resp: 1297304

Ion Ratio Lower Upper

228 100

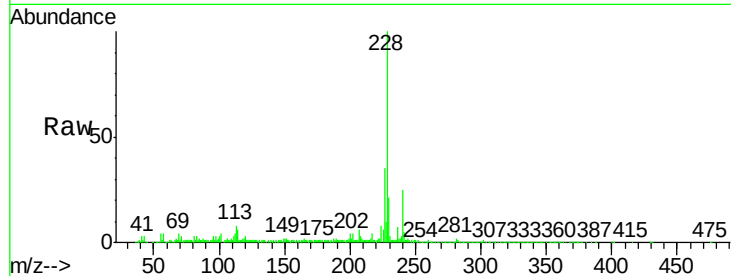
226 35.4 21.1 31.7#

229 21.3 15.8 23.6

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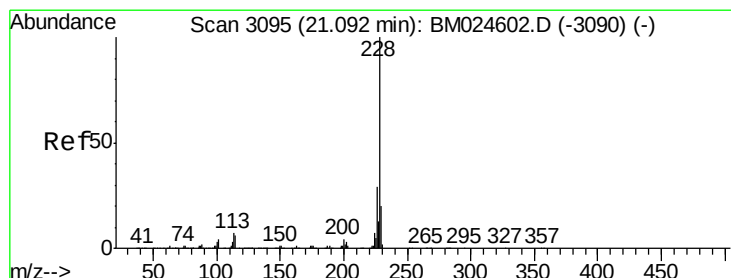
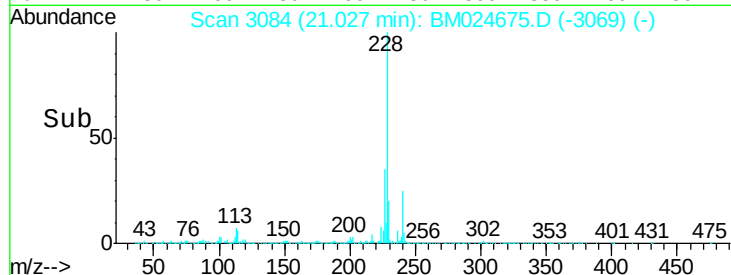
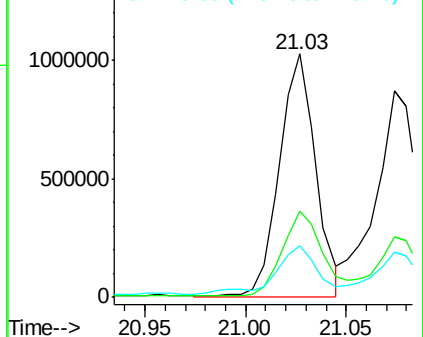
2/3/2020 7:55:47 AM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 14.624 ng m

RT: 21.07 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM024675.D

Acq: 31 Jan 2020 01:06

Tgt Ion:228 Resp: 1279737

Ion Ratio Lower Upper

228 100

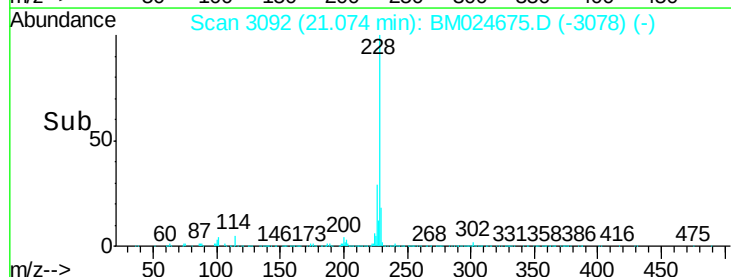
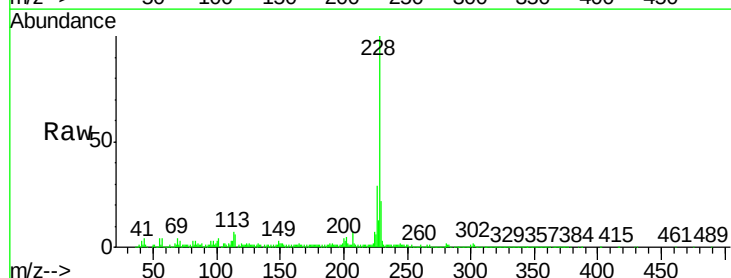
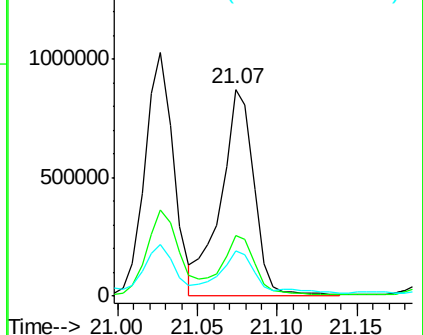
226 29.3 23.2 34.8

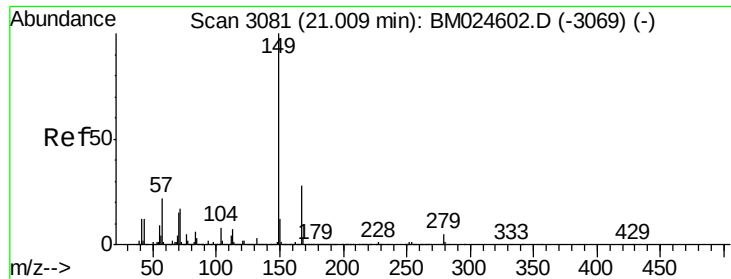
229 21.9 15.7 23.5

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 31.123 ng

RT: 21.00 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM024675.D

Acq: 31 Jan 2020 01:06

Instrument :

BNA_M

ClientSampleId :

AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion:149 Resp: 1678548

Ion Ratio Lower Upper

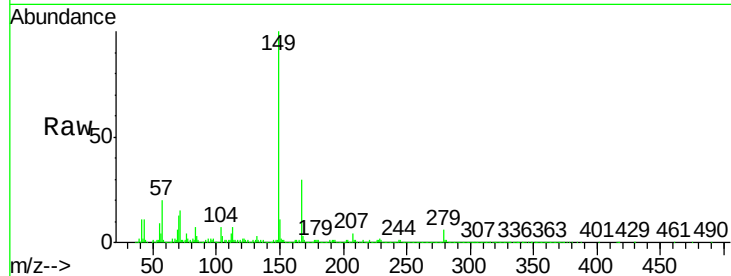
149 100

167 29.7 22.5 33.7

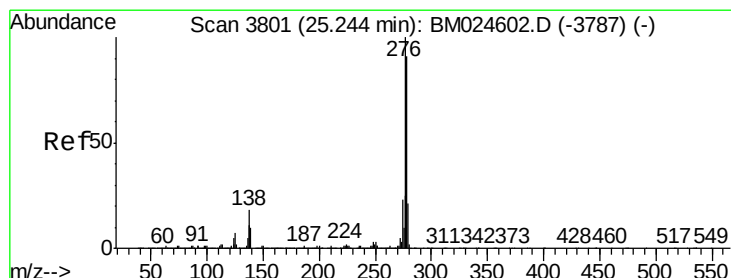
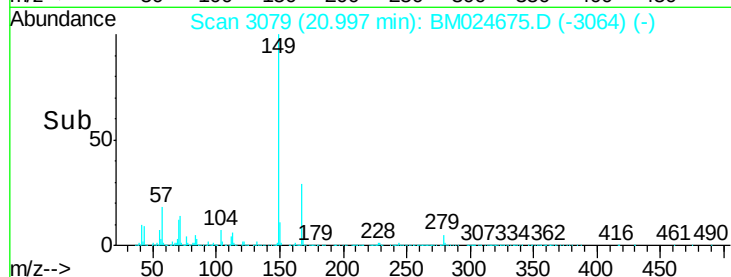
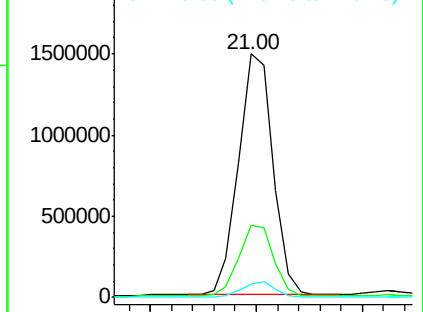
279 5.6 4.0 6.0

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.070 ng

RT: 25.21 min Scan# 3795

Delta R.T. -0.04 min

Lab File: BM024675.D

Acq: 31 Jan 2020 01:06

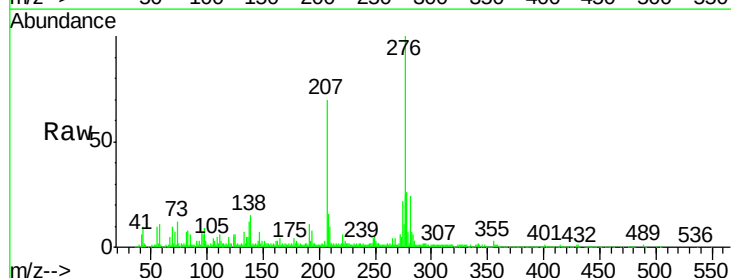
Tgt Ion:276 Resp: 483621

Ion Ratio Lower Upper

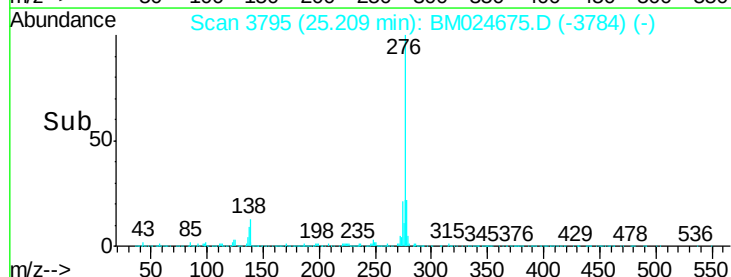
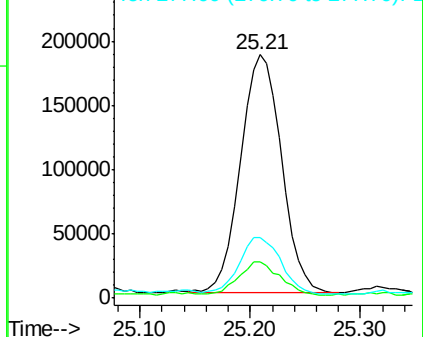
276 100

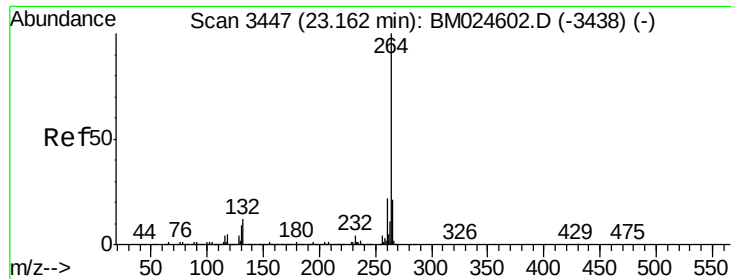
138 13.6 13.4 20.0

277 24.8 19.6 29.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.15 min Scan# 3445

Delta R.T. -0.01 min

Lab File: BM024675.D

Acq: 31 Jan 2020 01:06

Instrument :

BNA_M

ClientSampleId :

AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion:264 Resp: 1588560

Ion Ratio Lower Upper

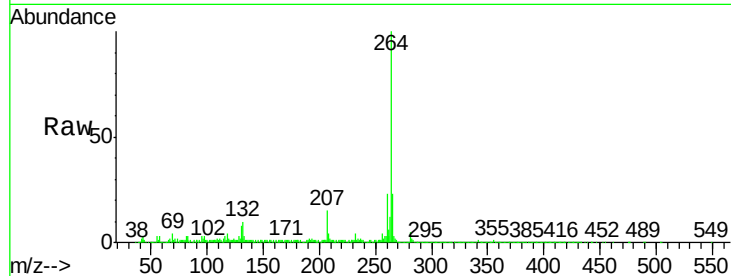
264 100

260 23.0 17.9 26.9

265 22.8 17.3 25.9

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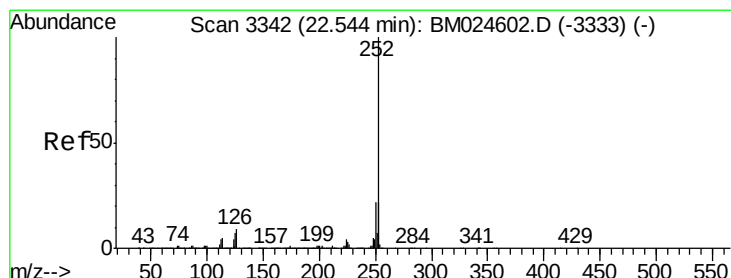
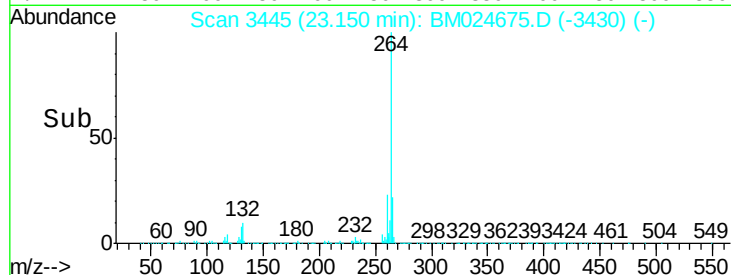
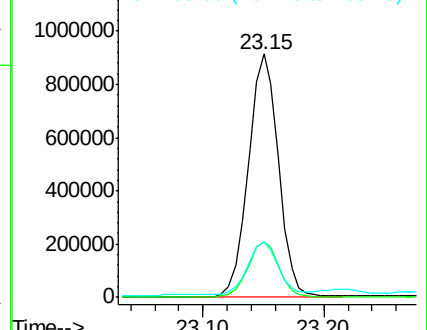


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 10.946 ng m

RT: 22.53 min Scan# 3340

Delta R.T. -0.01 min

Lab File: BM024675.D

Acq: 31 Jan 2020 01:06

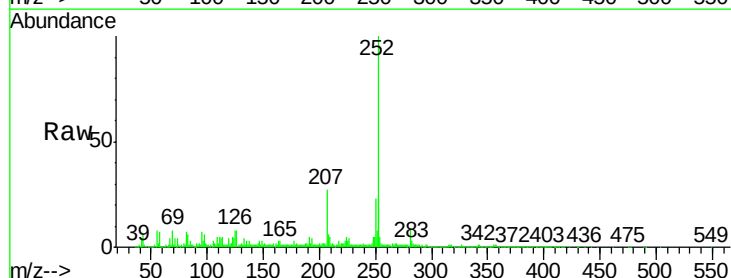
Tgt Ion:252 Resp: 1127726

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 8.4 5.7 8.5

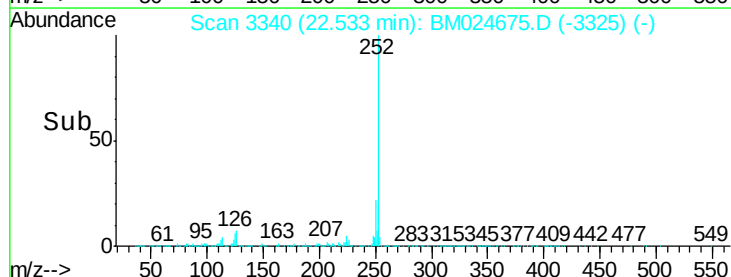
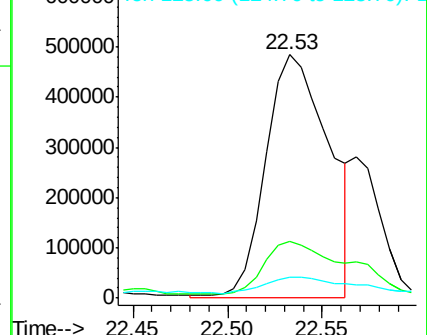


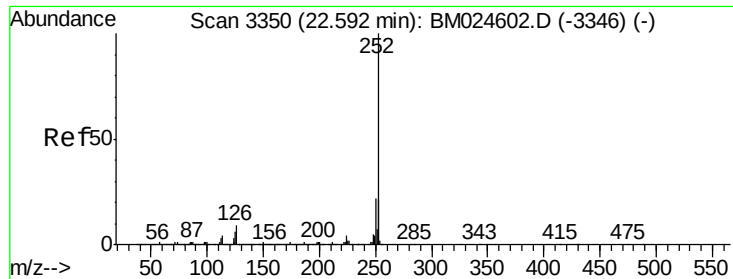
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





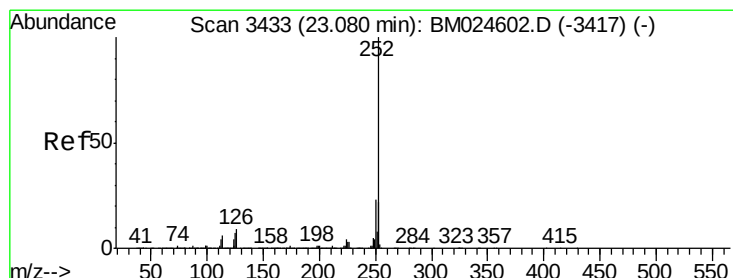
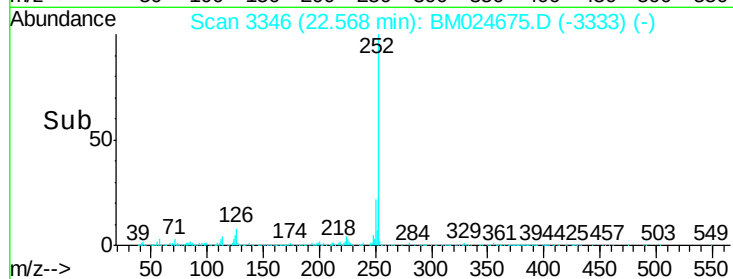
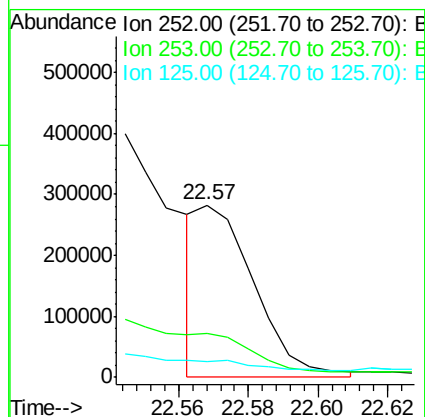
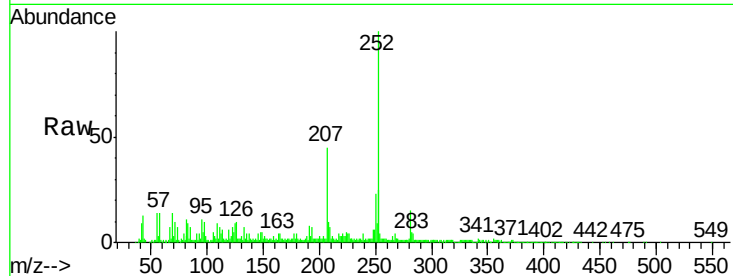
#89
Benzo(k)fluoranthene
Concen: 3.121 ng m
RT: 22.57 min Scan# 3346
Delta R.T. -0.02 min
Lab File: BM024675.D
Acq: 31 Jan 2020 01:06

Instrument :
BNA_M
ClientSampleId :
AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.3	25.9
125	9.3	5.2	7.8

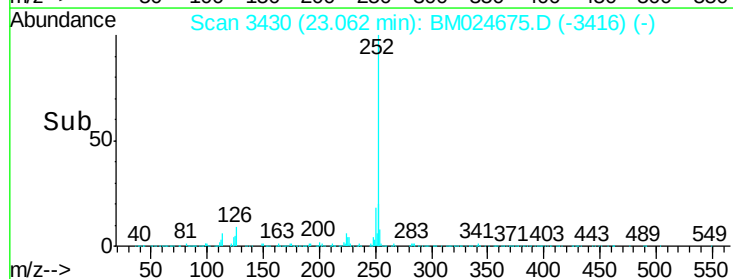
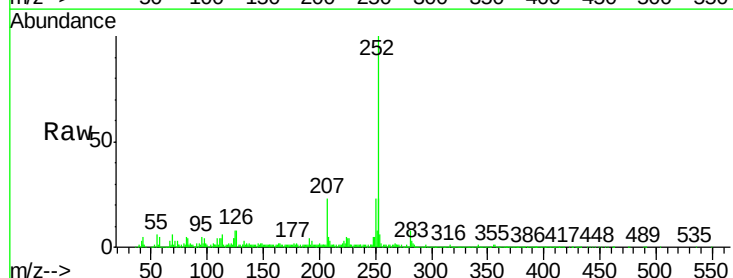
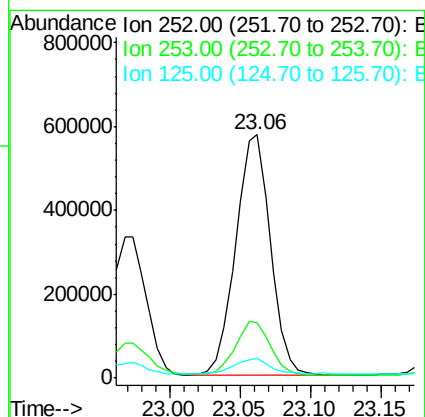
Manual Integrations
APPROVED

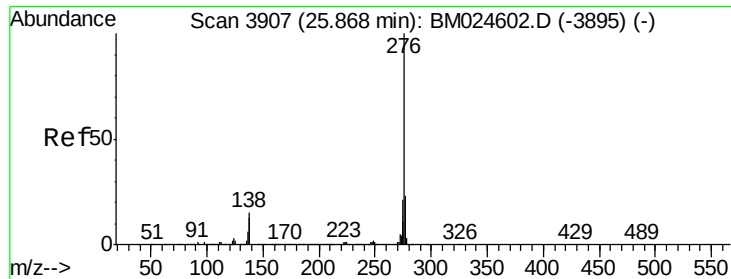
mohammad
2/3/2020 7:55:47 AM



#90
Benzo(a)pyrene
Concen: 10.493 ng
RT: 23.06 min Scan# 3430
Delta R.T. -0.02 min
Lab File: BM024675.D
Acq: 31 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	8.2	5.8	8.8





#92
 Benzo(a,h,i)perylene
 Concen: 5.891 ng
 RT: 25.84 min Scan# 3902
 Delta R.T. -0.03 min
 Lab File: BM024675.D
 Acq: 31 Jan 2020 01:06

Instrument :
 BNA_M
 ClientSampleId :
 AOC-3-EXC-PIT-(0-5)-BDL

Tot Ion:	276	Resp:	475547
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.6	28.0
138	13.1	11.9	17.9

Manual Integrations
 APPROVED

mohammad
 2/3/2020 7:55:47 AM

