

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042321\
 Data File : BM029619.D
 Acq On : 23 Apr 2021 18:55
 Operator : CG/JU
 Sample : M2128-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-2

Manual Integrations
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Quant Time: Apr 26 02:10:20 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 22 15:55:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.628	152	67341	20.00	ng	0.00
21) Naphthalene-d8	10.410	136	242522	20.00	ng	0.00
39) Acenaphthene-d10	14.274	164	167613	20.00	ng	0.00
64) Phenanthrene-d10	17.015	188	382332	20.00	ng	0.00
76) Chrysene-d12	21.198	240	435199	20.00	ng	0.00
86) Perylene-d12	23.391	264	448859	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.228	112	266545	79.35	ng	0.00
7) Phenol-d6	6.810	99	358014	71.36	ng	0.00
23) Nitrobenzene-d5	8.781	82	250253	53.15	ng	0.00
42) 2,4,6-Tribromophenol	15.763	330	184206	79.47	ng	0.00
45) 2-Fluorobiphenyl	12.892	172	645953	52.31	ng	0.00
79) Terphenyl-d14	19.651	244	1231047	53.63	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.057	178	332791	15.12	ng	98
72) Anthracene	17.151	178	61847	2.85	ng	98
75) Fluoranthene	19.074	202	408002	15.28	ng	99
78) Pyrene	19.439	202	491142	17.54	ng	98
81) Benzo(a)anthracene	21.186	228	237520	8.25	ng	92
83) Chrysene	21.239	228	230453	8.15	ng	98
87) Indeno(1,2,3-cd)pyrene	25.580	276	128809	3.71	ng	97
88) Benzo(b)fluoranthene	22.733	252	244958m	8.37	ng	
89) Benzo(k)fluoranthene	22.774	252	86262m	2.94	ng	
90) Benzo(a)pyrene	23.291	252	201241	7.32	ng	99
92) Benzo(g,h,i)perylene	26.250	276	150371	5.43	ng	97

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

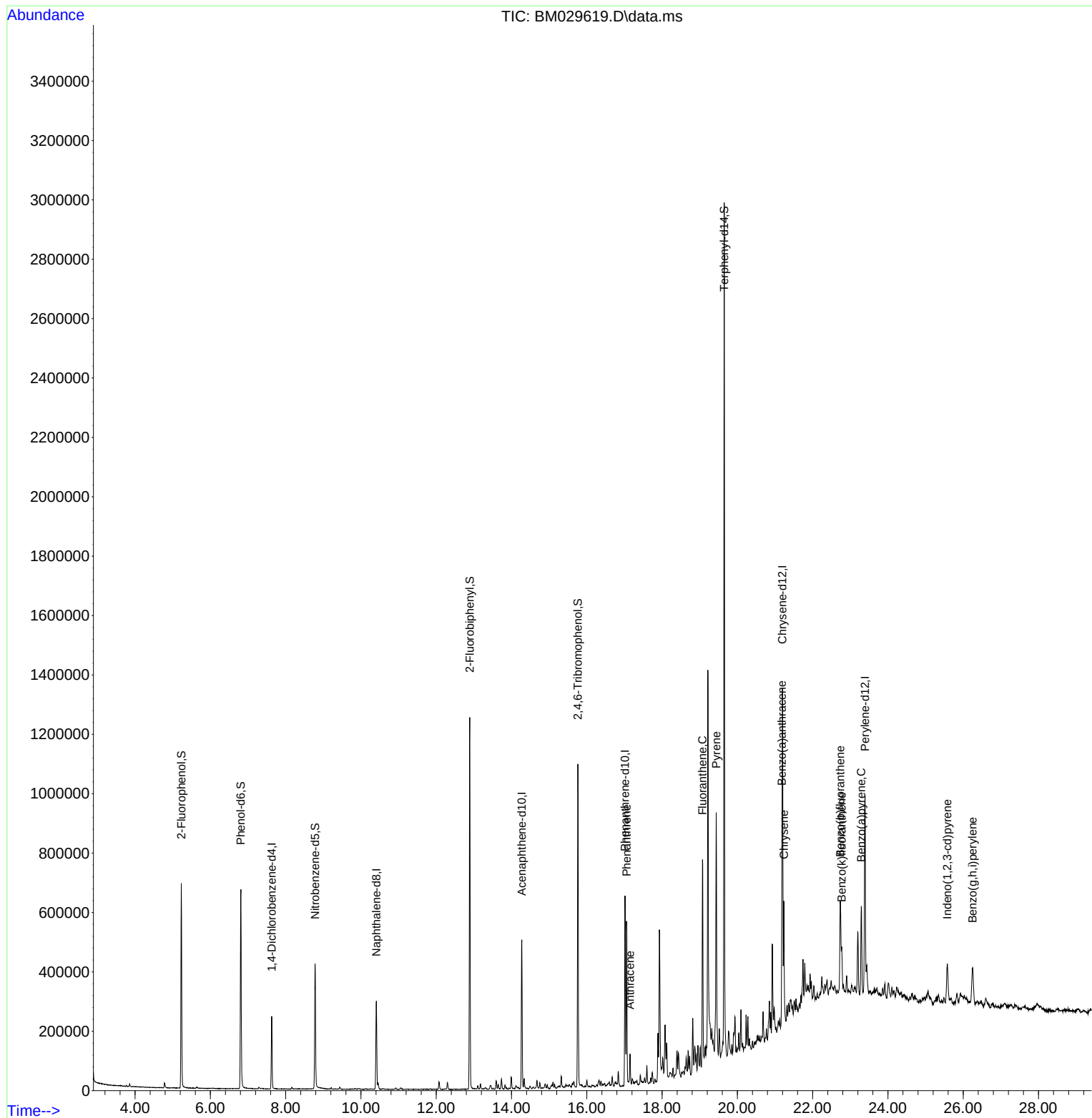
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Data File : BM029619.D
Acq On : 23 Apr 2021 18:55
Operator : CG/JU
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Misc :
ALS Vial : 7 Sample Multiplier: 1

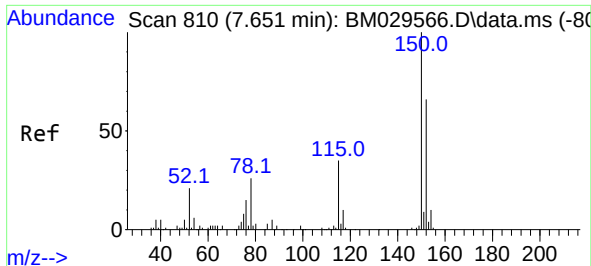
Instrument :
BNA_M
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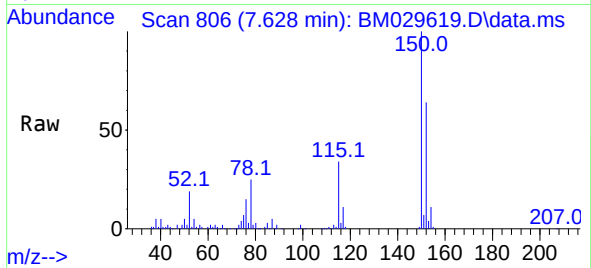
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Quant Time: Apr 26 02:10:20 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 22 15:55:11 2021
Response via : Initial Calibration

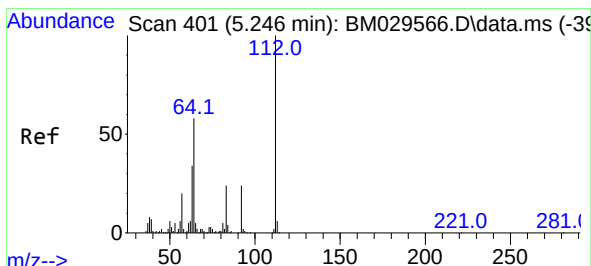
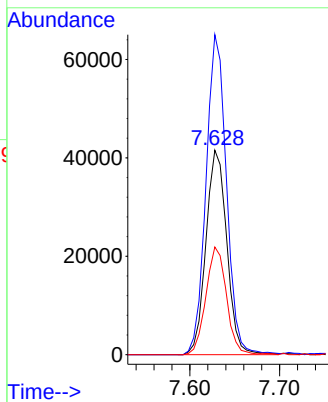
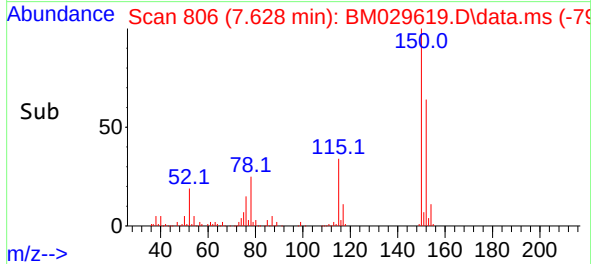




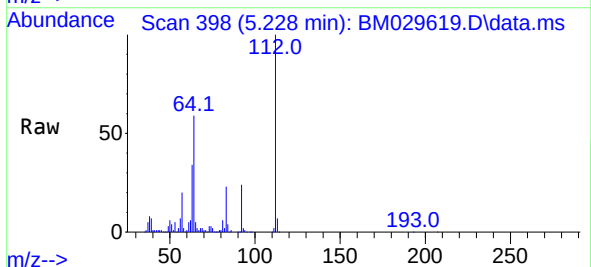
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.628 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55



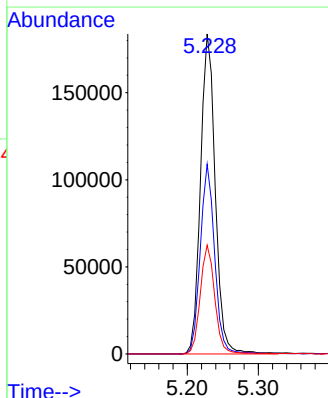
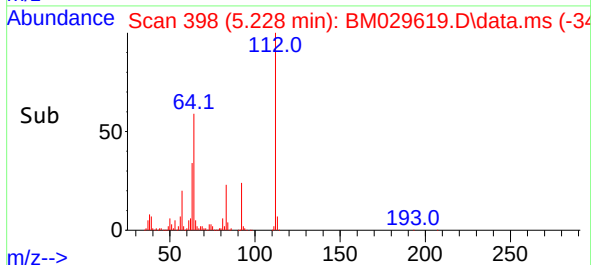
Tgt Ion:152 Resp: 67341
Ion Ratio Lower Upper
152 100
150 156.5 125.9 188.9
115 52.6 44.6 67.0



#5
2-Fluorophenol
Concen: 79.35 ng
RT: 5.228 min Scan# 398
Delta R.T. -0.000 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55



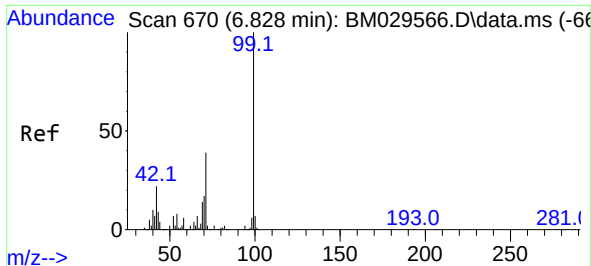
Tgt Ion:112 Resp: 266545
Ion Ratio Lower Upper
112 100
64 59.3 47.1 70.7
63 34.0 27.3 40.9



Instrument :
BNA_M
ClientSampleId :
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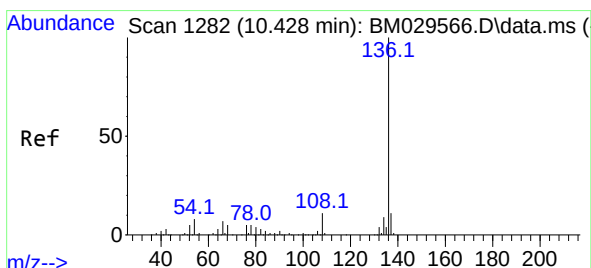
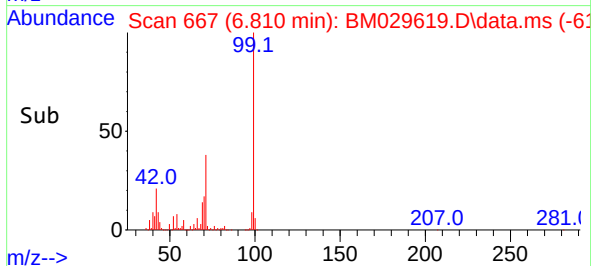
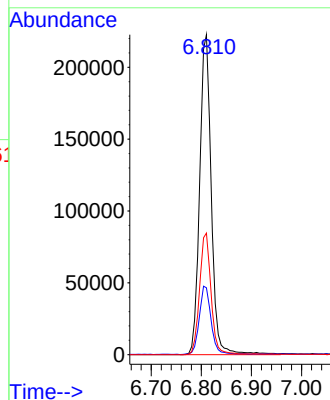
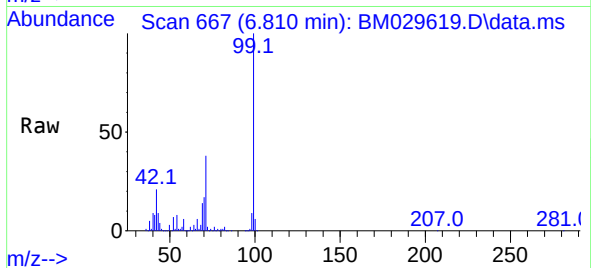
#7
Phenol-d6
Concen: 71.36 ng
RT: 6.810 min Scan# 667
Delta R.T. -0.000 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

Tgt Ion:	99	Resp:	358014
Ion	Ratio	Lower	Upper
99	100		
42	20.9	18.0	27.0
71	38.0	30.9	46.3

Instrument :
BNA_M
ClientSampleId :
COMP-2

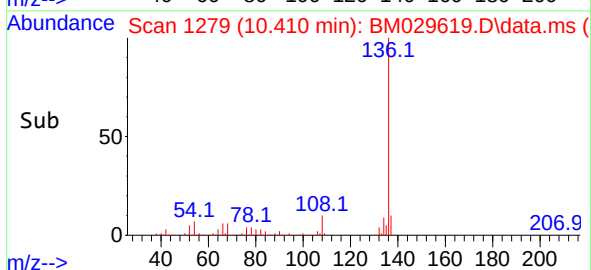
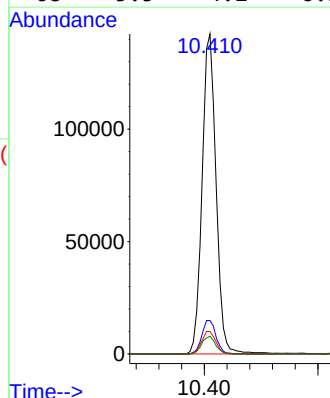
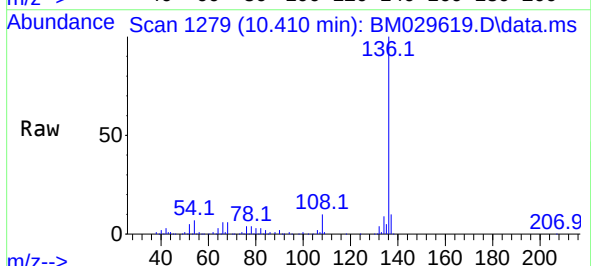
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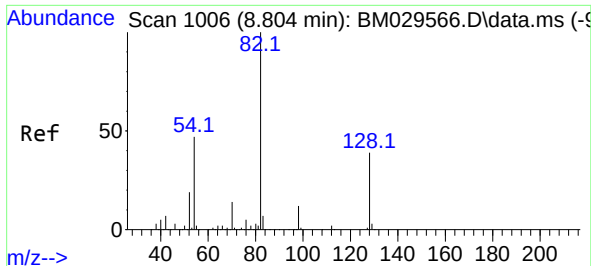
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.410 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

Tgt Ion:	136	Resp:	242522
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.4	12.6
54	7.0	5.5	8.3
68	5.5	4.2	6.2





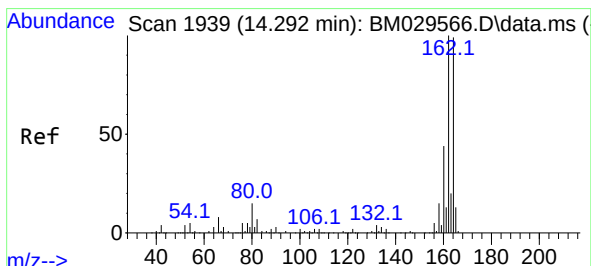
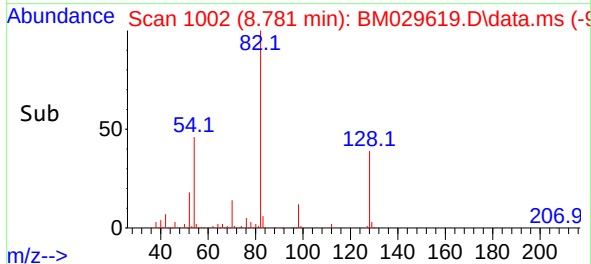
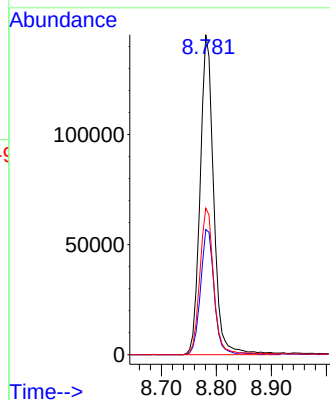
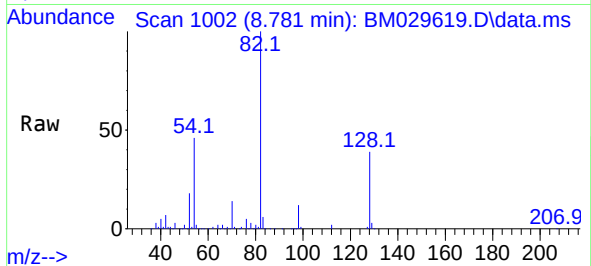
#23
Nitrobenzene-d5
Concen: 53.15 ng
RT: 8.781 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

Tgt Ion: 82 Resp: 250253
Ion Ratio Lower Upper
82 100
128 39.1 31.1 46.7
54 45.8 37.3 55.9

Instrument :
BNA_M
ClientSampled :
COMP-2

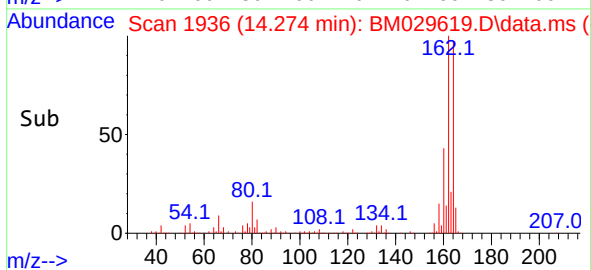
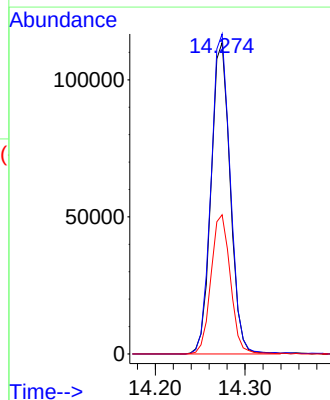
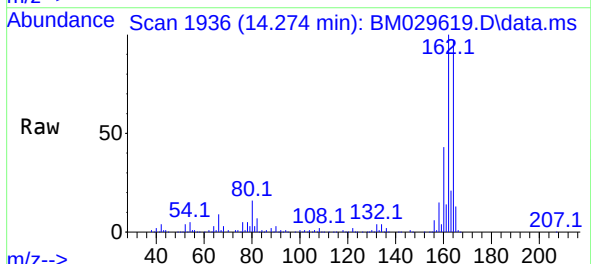
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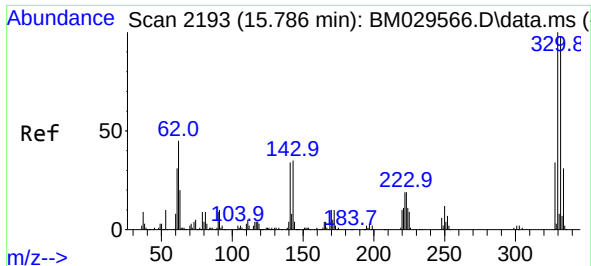
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.274 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

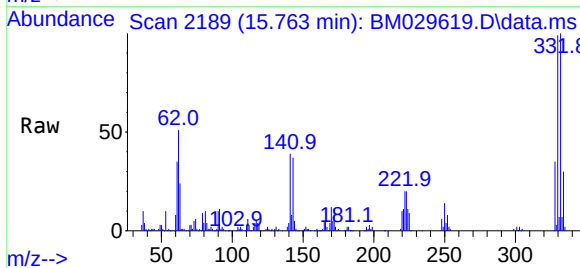
Tgt Ion: 164 Resp: 167613
Ion Ratio Lower Upper
164 100
162 102.8 83.4 125.0
160 44.7 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 79.47 ng
RT: 15.763 min Scan# 2189
Delta R.T. -0.006 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

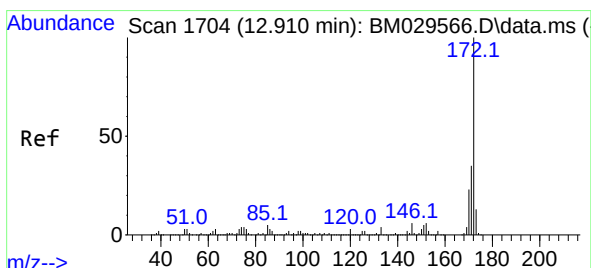
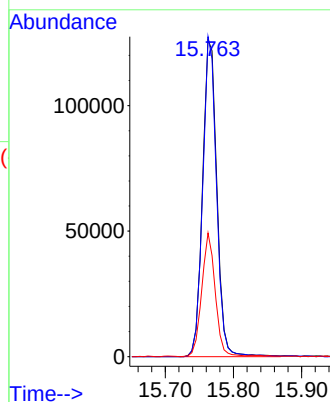
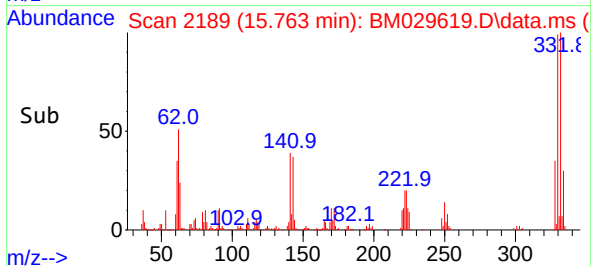
Instrument :
BNA_M
ClientSampled :
COMP-2



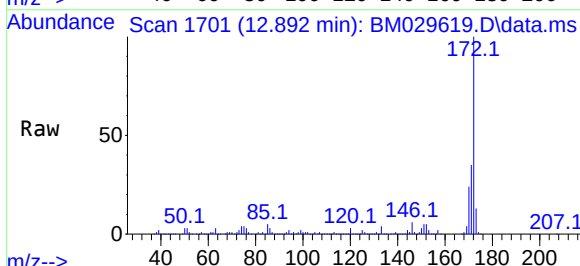
Tgt Ion:330 Resp: 184206
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.4
141 36.9 30.2 45.2

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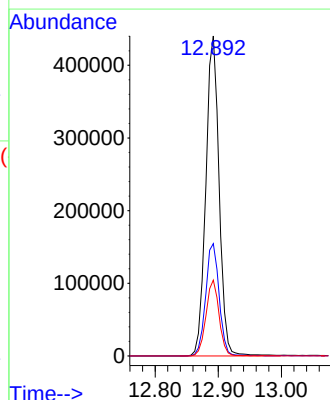
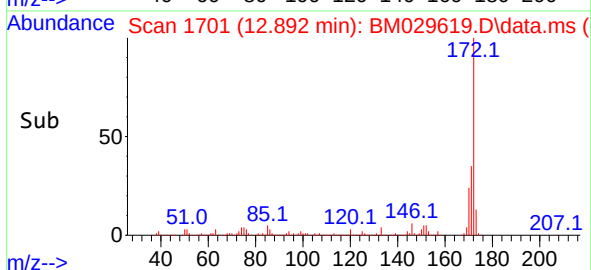
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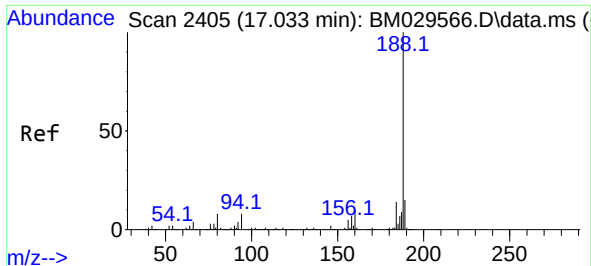


#45
2-Fluorobiphenyl
Concen: 52.31 ng
RT: 12.892 min Scan# 1701
Delta R.T. -0.006 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55



Tgt Ion:172 Resp: 645953
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.7 18.4 27.6





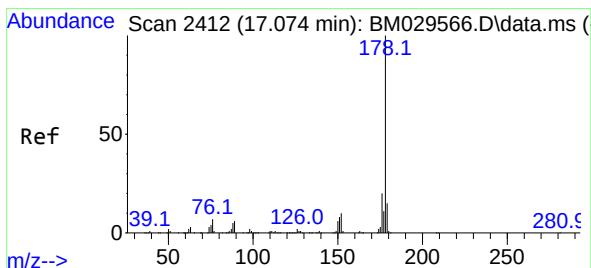
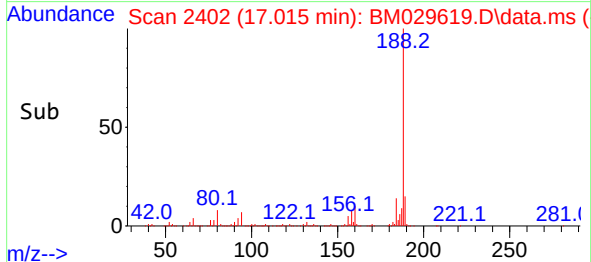
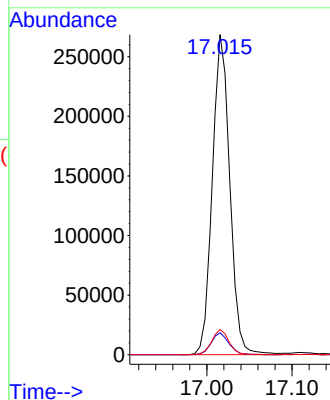
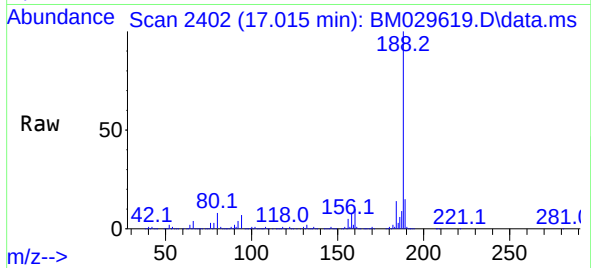
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.015 min Scan# 2402
Delta R.T. -0.006 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

Tgt Ion:	188	Resp:	382332
Ion	Ratio	Lower	Upper
188	100		
94	6.9	6.0	9.0
80	7.9	6.6	9.8

Instrument :
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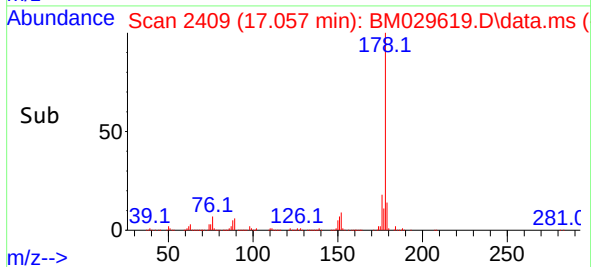
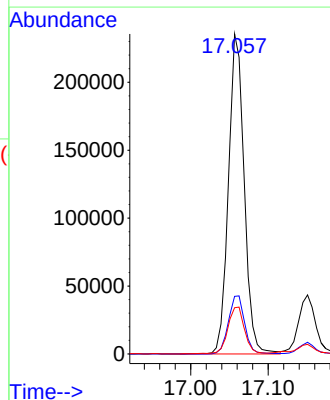
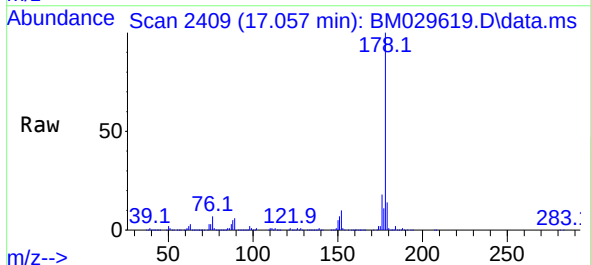
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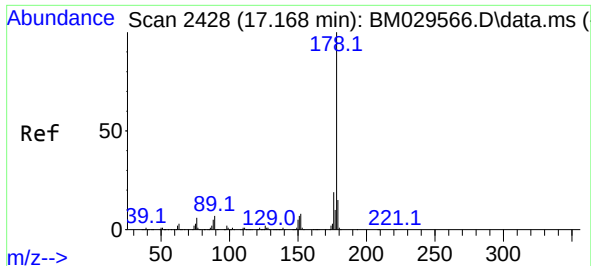
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#71
Phenanthrene
Concen: 15.12 ng
RT: 17.057 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

Tgt Ion:	178	Resp:	332791
Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.0
179	14.5	12.2	18.4





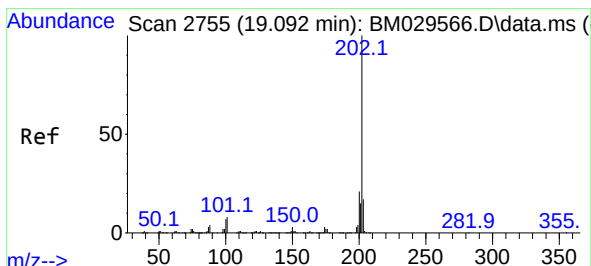
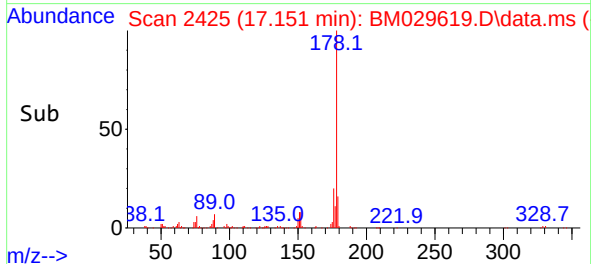
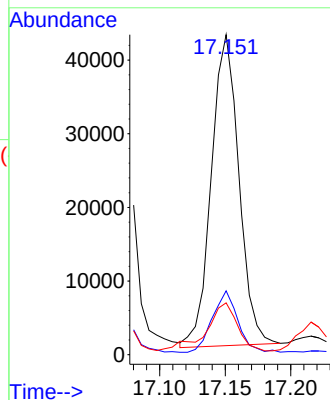
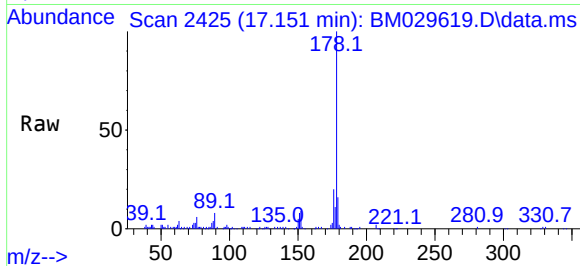
#72
 Anthracene
 Concen: 2.85 ng
 RT: 17.151 min Scan# 2425
 Delta R.T. -0.006 min
 Lab File: BM029619.D
 Acq: 23 Apr 2021 18:55

Tgt Ion:	178	Resp:	61847
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.0	22.4
179	16.2	12.5	18.7

Instrument :
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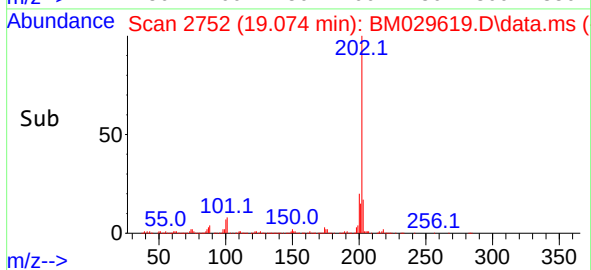
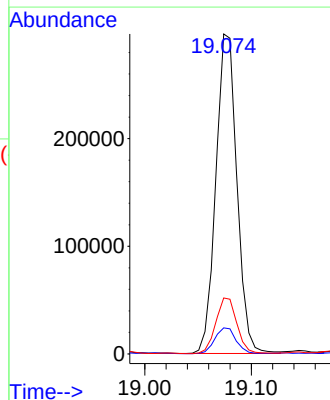
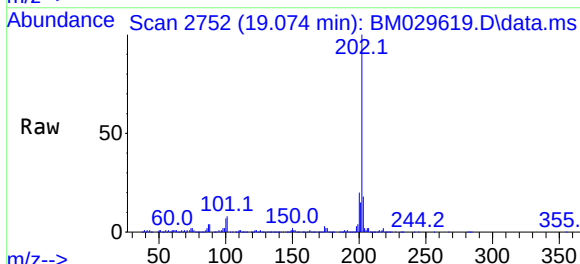
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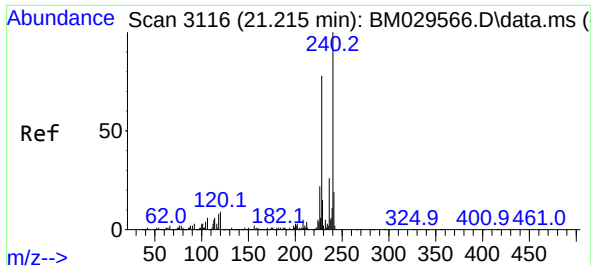
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#75
 Fluoranthene
 Concen: 15.28 ng
 RT: 19.074 min Scan# 2752
 Delta R.T. -0.006 min
 Lab File: BM029619.D
 Acq: 23 Apr 2021 18:55

Tgt Ion:	202	Resp:	408002
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	28.6
203	17.5	0.0	37.3





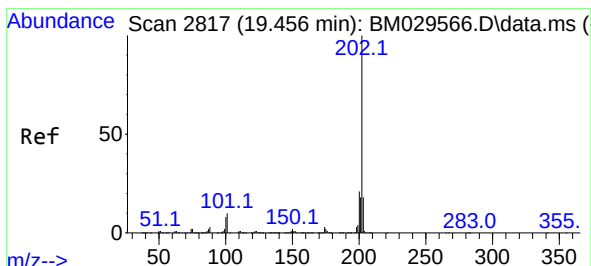
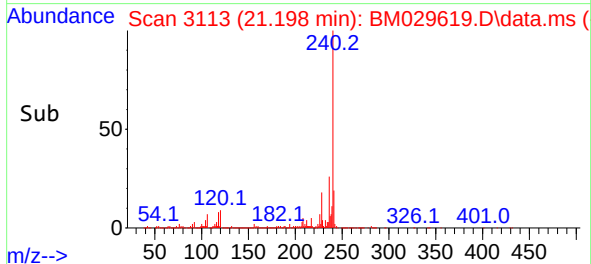
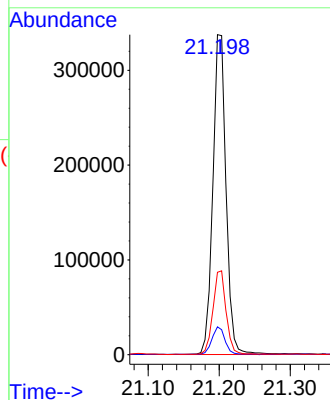
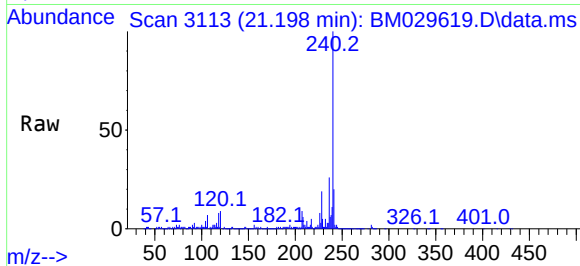
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.198 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

Tgt Ion:240 Resp: 435199
Ion Ratio Lower Upper
240 100
120 8.7 7.0 10.6
236 25.7 21.0 31.4

Instrument :
BNA_M
ClientSampleId :
COMP-2

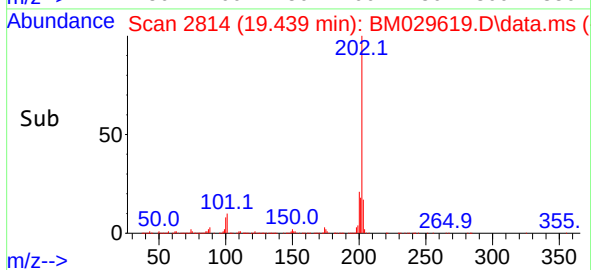
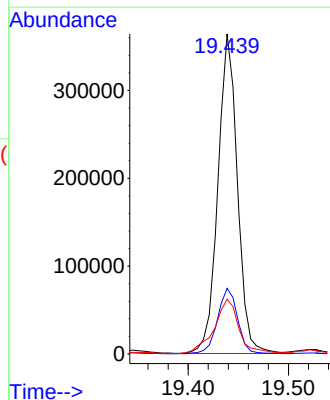
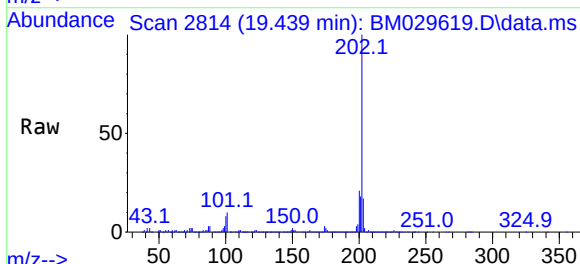
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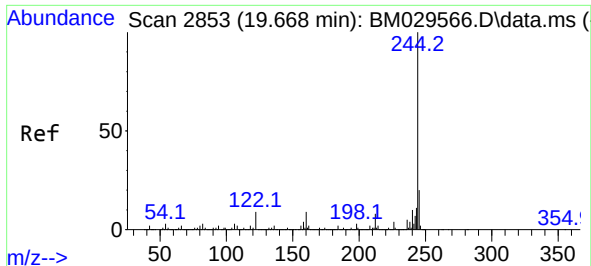
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#78
Pyrene
Concen: 17.54 ng
RT: 19.439 min Scan# 2814
Delta R.T. -0.006 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

Tgt Ion:202 Resp: 491142
Ion Ratio Lower Upper
202 100
200 20.5 17.3 25.9
203 17.1 13.9 20.9





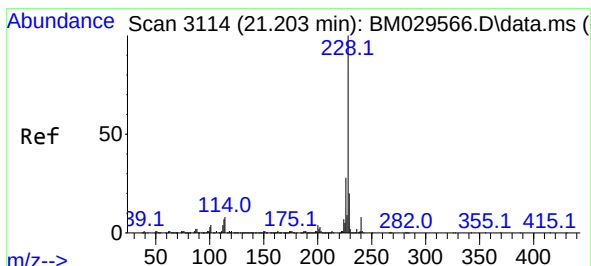
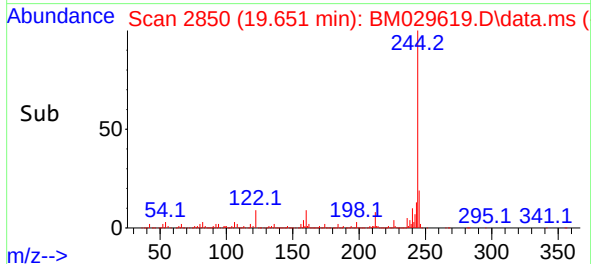
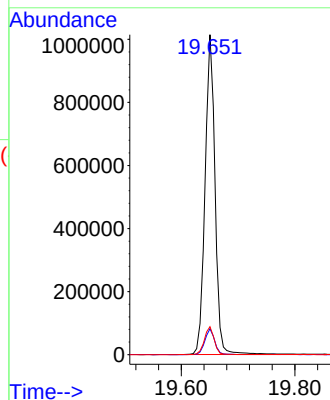
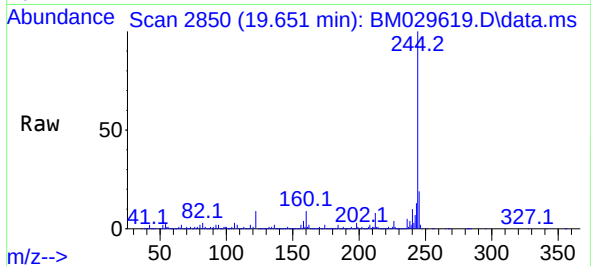
#79
 Terphenyl-d14
 Concen: 53.63 ng
 RT: 19.651 min Scan# 2850
 Delta R.T. -0.006 min
 Lab File: BM029619.D
 Acq: 23 Apr 2021 18:55

Tgt Ion:244 Resp: 1231047
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.3 9.5
 122 8.8 6.9 10.3

Instrument :
 BNA_M
 ClientSampleId :
 COMP-2

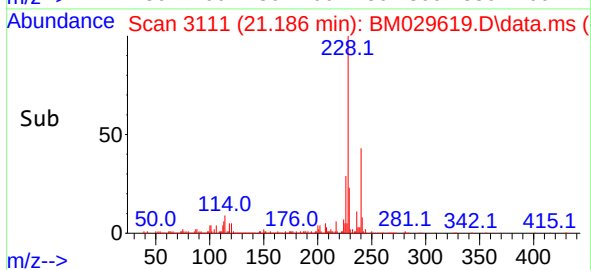
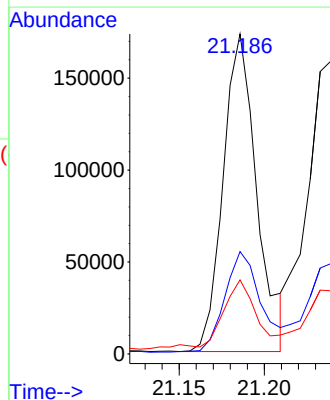
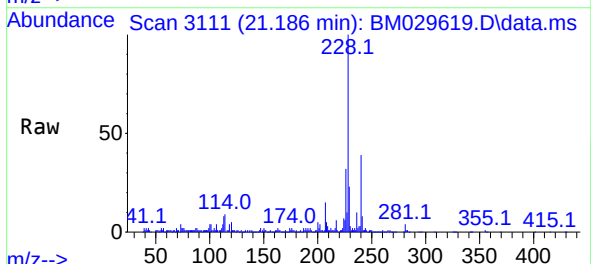
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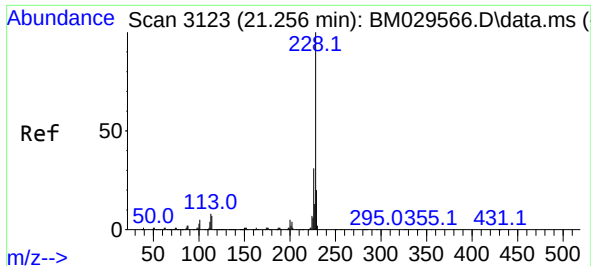
mohammad
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#81
 Benzo(a)anthracene
 Concen: 8.25 ng
 RT: 21.186 min Scan# 3111
 Delta R.T. -0.006 min
 Lab File: BM029619.D
 Acq: 23 Apr 2021 18:55

Tgt Ion:228 Resp: 237520
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.3 33.5
 229 23.2 15.7 23.5





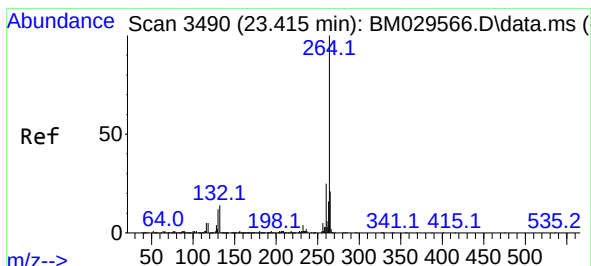
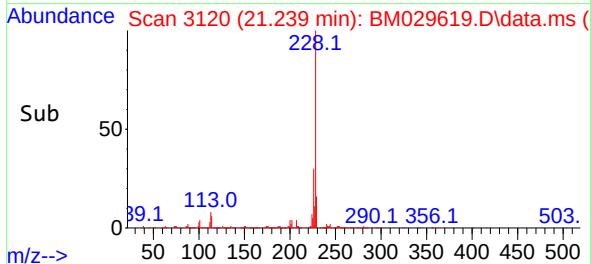
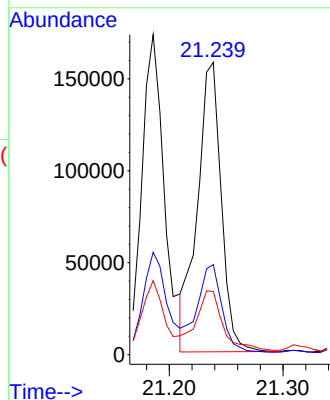
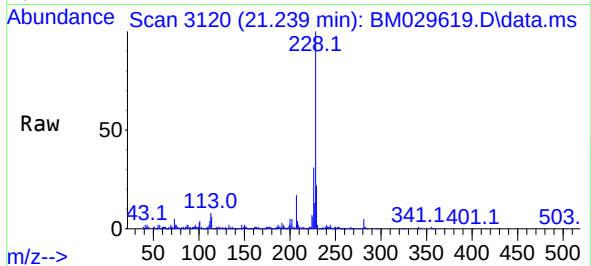
#83
Chrysene
Concen: 8.15 ng
RT: 21.239 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

Tgt Ion:	228	Resp:	230453
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.6	36.8
229	21.6	15.5	23.3

Instrument :
BNA_M
ClientSampleId :
COMP-2

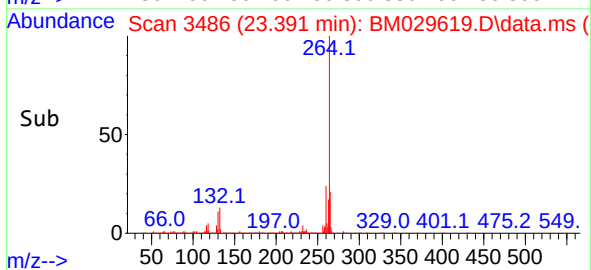
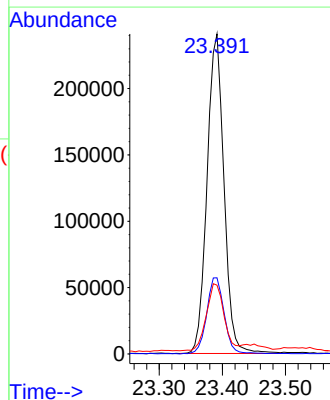
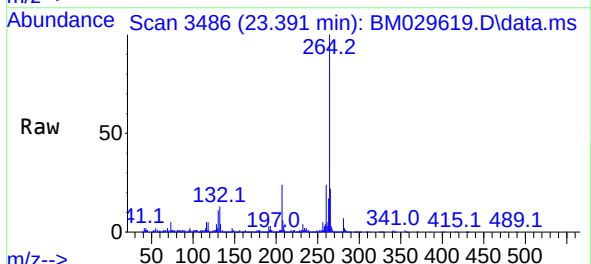
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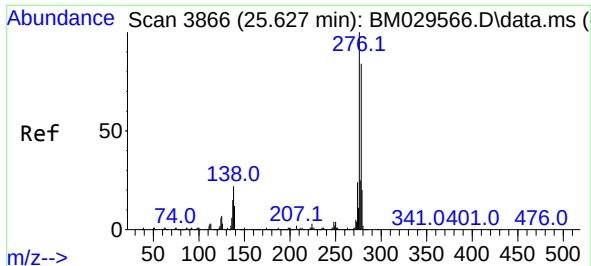
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.391 min Scan# 3486
Delta R.T. -0.000 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

Tgt Ion:	264	Resp:	448859
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.8	29.8
265	21.5	17.7	26.5





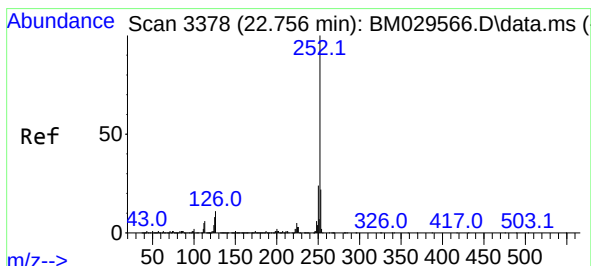
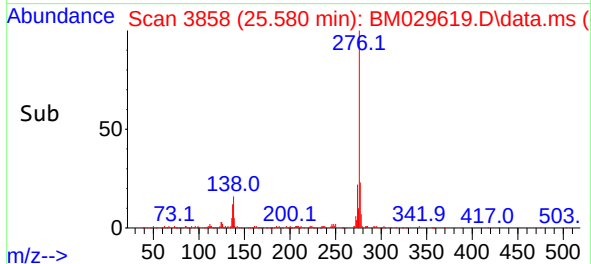
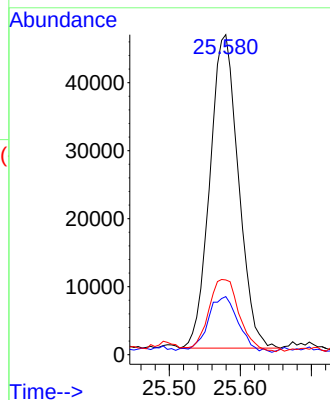
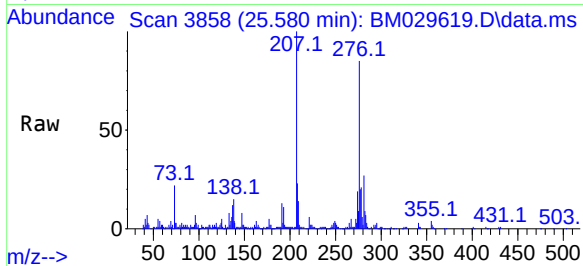
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.71 ng
RT: 25.580 min Scan# 3858
Delta R.T. -0.018 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

Tgt Ion: 276 Resp: 128809
Ion Ratio Lower Upper
276 100
138 19.3 17.1 25.7
277 25.0 20.3 30.5

Instrument :
BNA_M
ClientSampled :
COMP-2

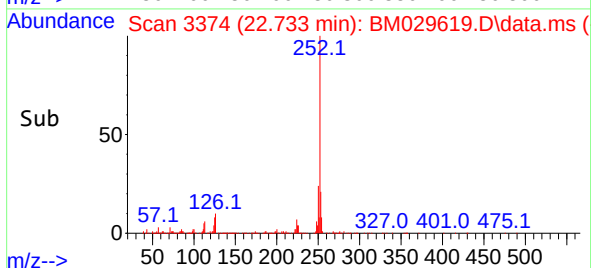
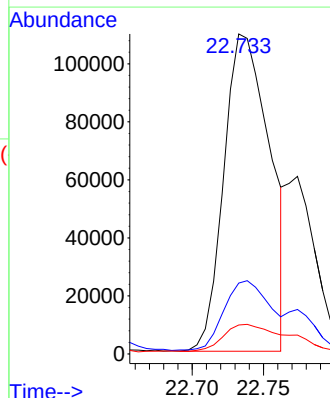
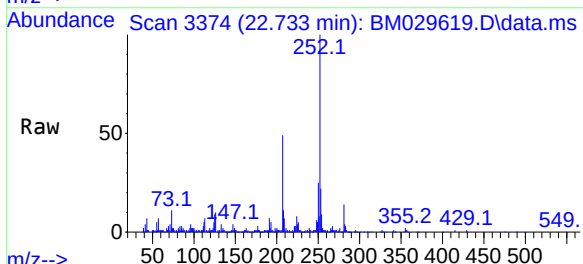
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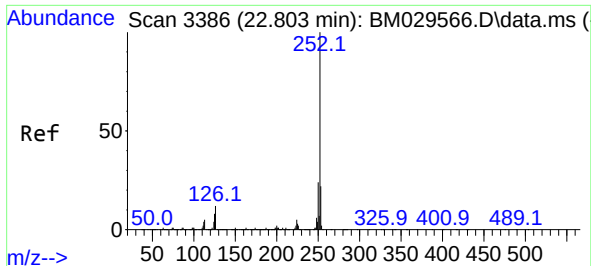
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#88
Benzo(b)fluoranthene
Concen: 8.37 ng m
RT: 22.733 min Scan# 3374
Delta R.T. -0.006 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

Tgt Ion: 252 Resp: 244958
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 9.1 6.8 10.2





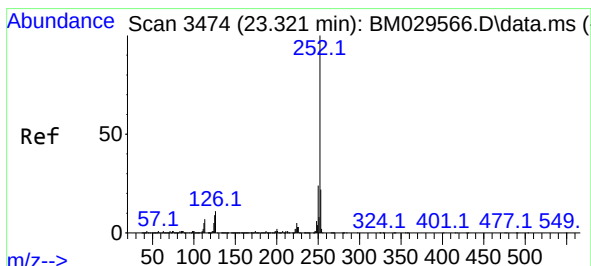
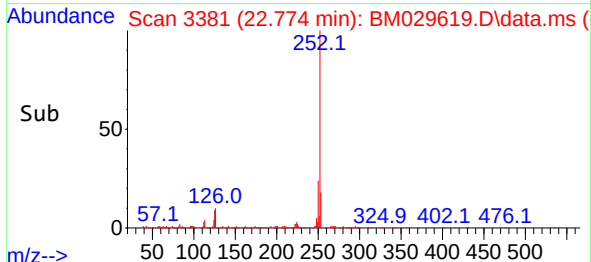
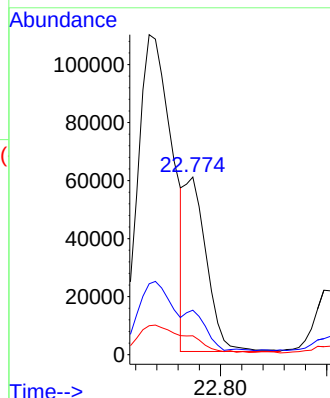
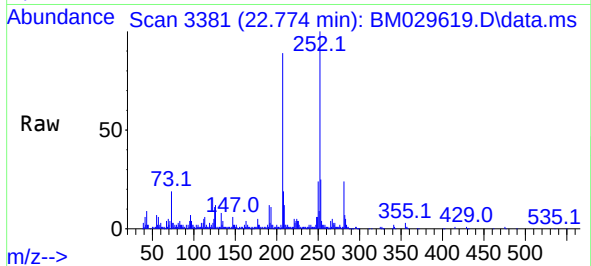
#89
Benzo(k)fluoranthene
Concen: 2.94 ng m
RT: 22.774 min Scan# 3381
Delta R.T. -0.012 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

Tgt Ion:252 Resp: 86262
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.2
125 10.7 6.2 9.2#

Instrument :
BNA_M
ClientSampled :
COMP-2

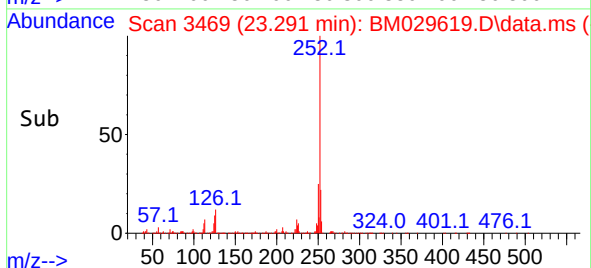
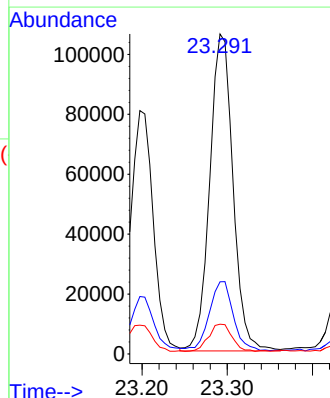
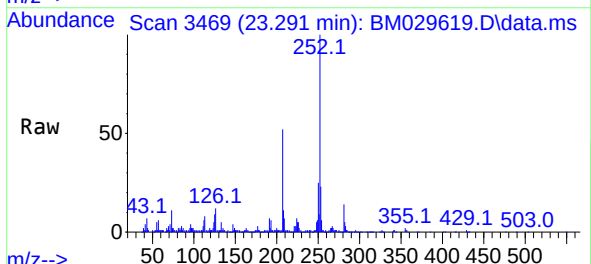
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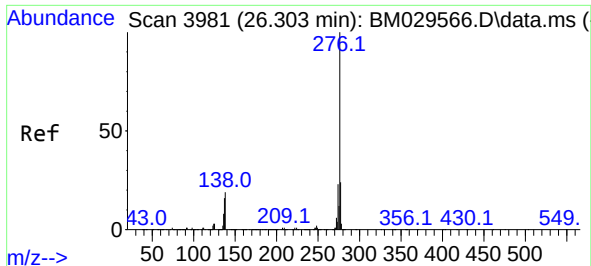
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#90
Benzo(a)pyrene
Concen: 7.32 ng
RT: 23.291 min Scan# 3469
Delta R.T. -0.006 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

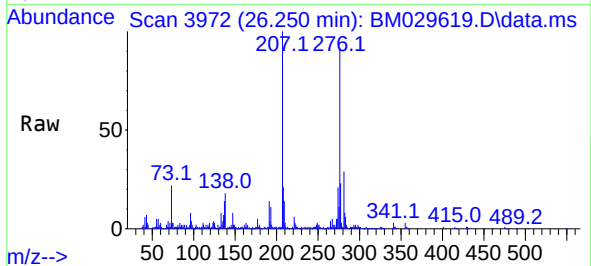
Tgt Ion:252 Resp: 201241
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 9.3 7.3 10.9





#92
Benzo(g,h,i)perylene
Concen: 5.43 ng
RT: 26.250 min Scan# 3972
Delta R.T. -0.018 min
Lab File: BM029619.D
Acq: 23 Apr 2021 18:55

Instrument :
BNA_M
ClientSampleId :
COMP-2



Tgt Ion:	276	Resp:	150371
Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.4	29.2
138	20.1	14.4	21.6

Manual Integrations
APPROVED

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