

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033121\
 Data File : BM029298.D
 Acq On : 31 Mar 2021 17:42
 Operator : CG/JU
 Sample : M1720-01DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BG-1-(0.0-0.5)DL

Manual Integrations
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Quant Time: Mar 31 18:22:27 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 29 11:14:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	181515	20.00	ng	0.00
21) Naphthalene-d8	10.528	136	731037	20.00	ng	0.00
39) Acenaphthene-d10	14.374	164	427843	20.00	ng	0.00
64) Phenanthrene-d10	17.115	188	735990	20.00	ng	0.00
76) Chrysene-d12	21.286	240	571900	20.00	ng	0.00
86) Perylene-d12	23.527	264	593344	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	192413	18.27	ng	0.00
7) Phenol-d6	6.922	99	263084	17.41	ng	0.00
23) Nitrobenzene-d5	8.898	82	186793	12.41	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	66766	16.85	ng	0.00
45) 2-Fluorobiphenyl	12.998	172	350183	11.61	ng	0.00
79) Terphenyl-d14	19.739	244	321086	11.28	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.157	178	1146956	26.87	ng	99
72) Anthracene	17.245	178	120715	2.91	ng	99
73) Carbazole	17.515	167	114772	2.81	ng	98
75) Fluoranthene	19.174	202	2059087	43.67	ng	99
78) Pyrene	19.533	202	1587468	41.00	ng	100
81) Benzo(a)anthracene	21.274	228	656078	17.58	ng	98
83) Chrysene	21.327	228	772408m	20.68	ng	
87) Indeno(1,2,3-cd)pyrene	25.791	276	486538	11.21	ng	96
88) Benzo(b)fluoranthene	22.862	252	1007640	26.10	ng	99
89) Benzo(k)fluoranthene	22.897	252	334241m	8.91	ng	
90) Benzo(a)pyrene	23.433	252	657641	18.81	ng	98
91) Dibenzo(a,h)anthracene	25.791	278	117302m	3.16	ng	
92) Benzo(g,h,i)perylene	26.485	276	468053	12.86	ng	96

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

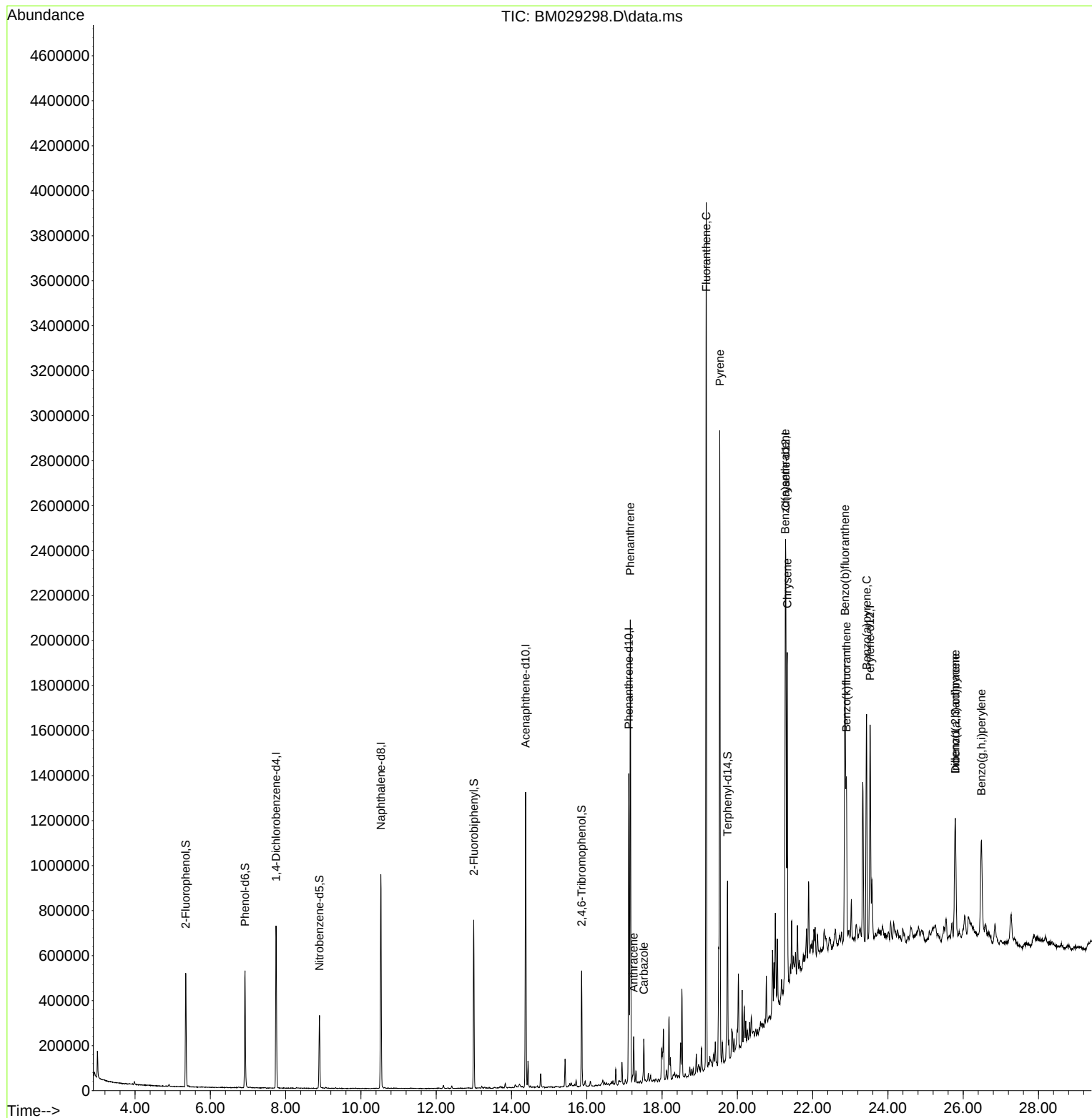
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033121\
Data File : BM029298.D
Acq On : 31 Mar 2021 17:42
Operator : CG/JU
Sample : M1720-01DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

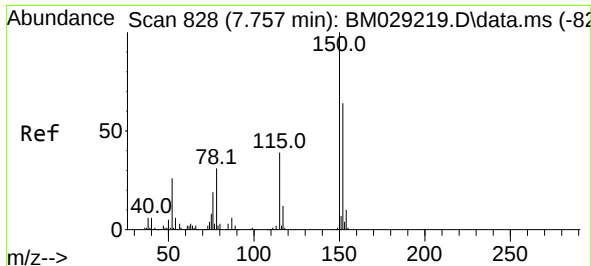
Instrument :
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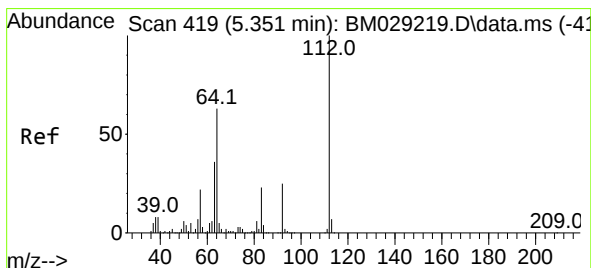
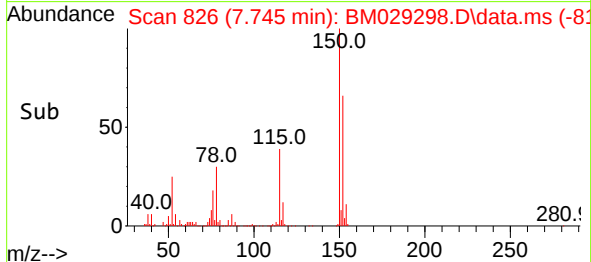
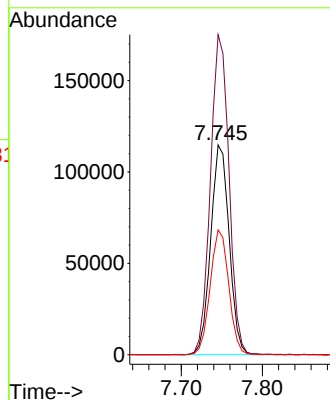
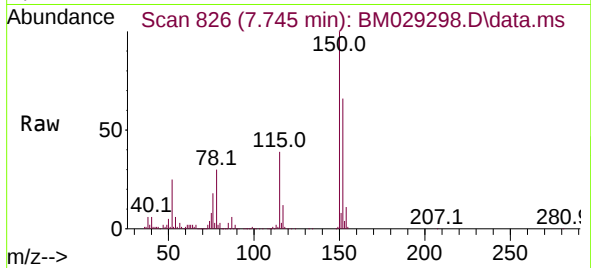
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.745 min Scan# 826
Delta R.T. -0.007 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.3	186.5
115	59.5	46.4	69.6

Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)DL

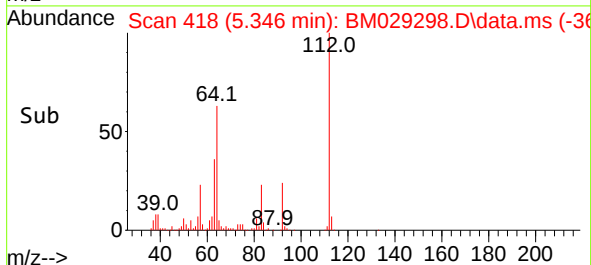
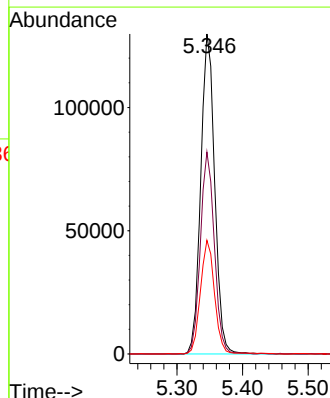
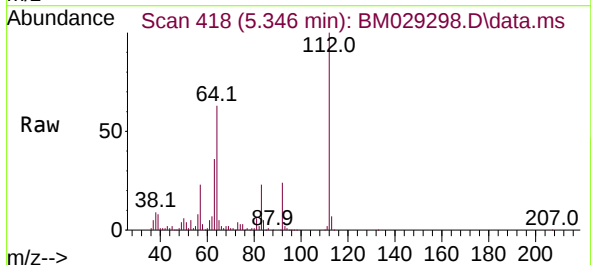
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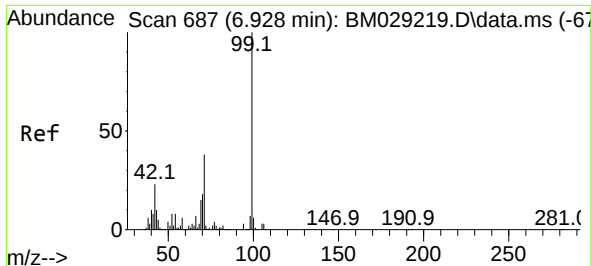
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#5
2-Fluorophenol
Concen: 18.27 ng
RT: 5.346 min Scan# 418
Delta R.T. -0.006 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

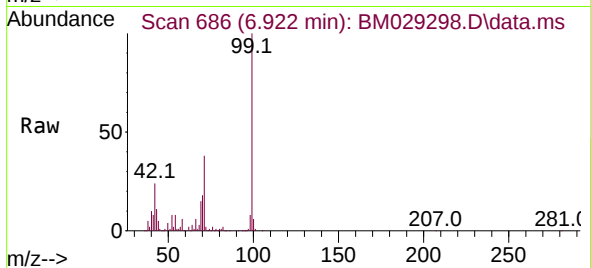
Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	51.6	77.4
63	35.5	29.0	43.4





#7
Phenol-d6
Concen: 17.41 ng
RT: 6.922 min Scan# 686
Delta R.T. -0.000 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

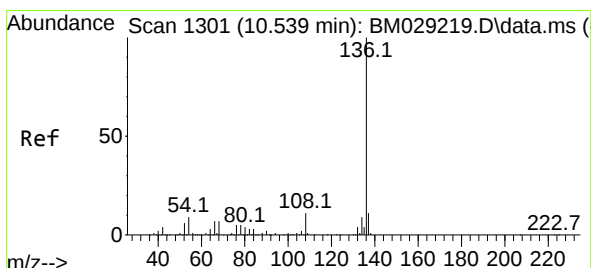
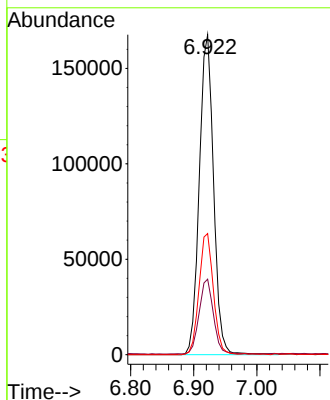
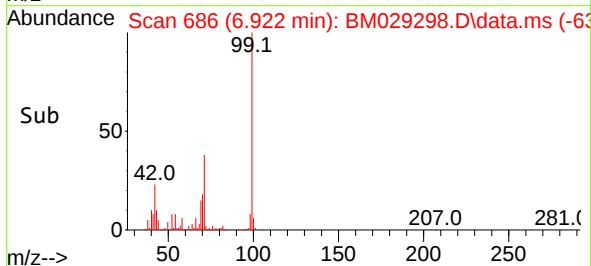
Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)DL



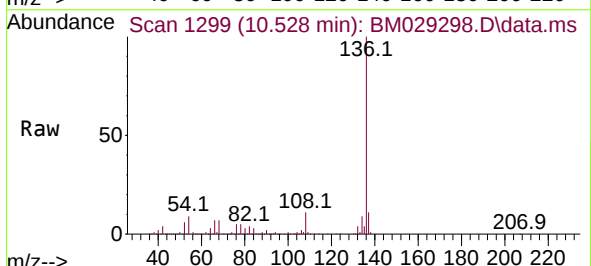
Tgt Ion	Ratio	Lower	Upper
99	100		
42	23.6	18.5	27.7
71	37.8	31.8	47.6

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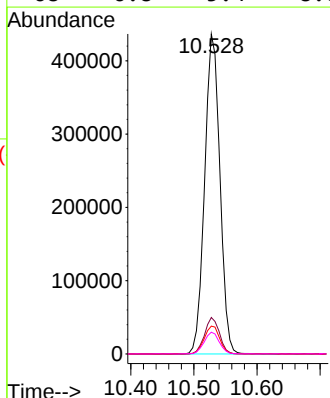
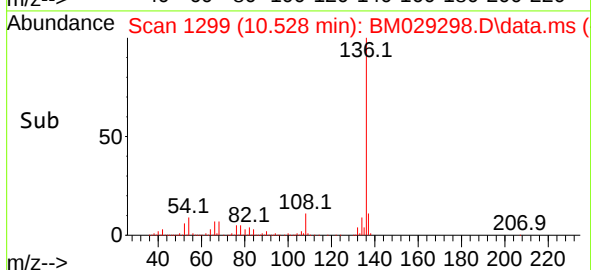
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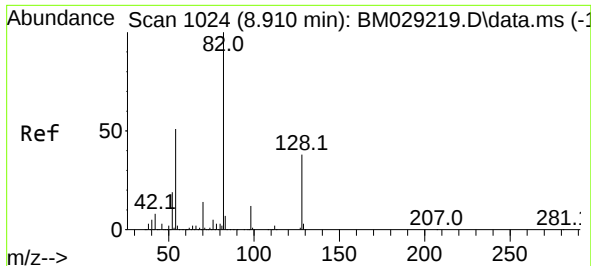


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.528 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

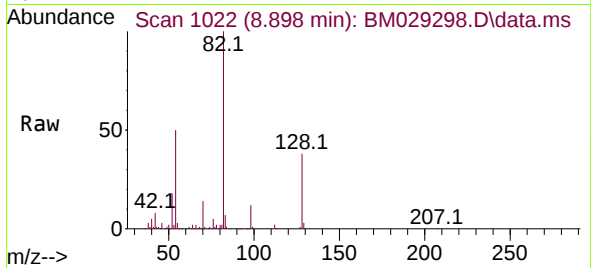


Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	8.7	6.9	10.3
68	6.8	5.4	8.0

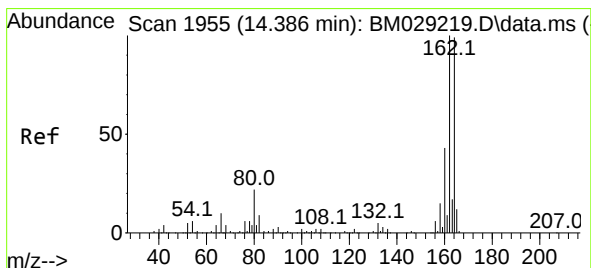
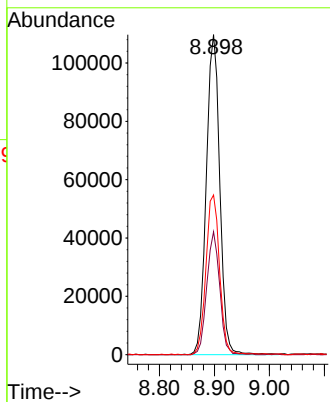
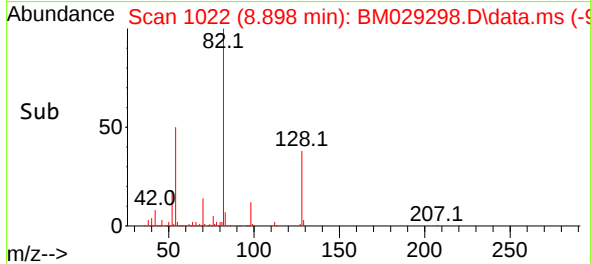




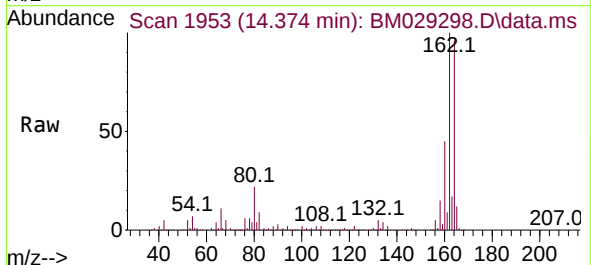
#23
Nitrobenzene-d5
Concen: 12.41 ng
RT: 8.898 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42



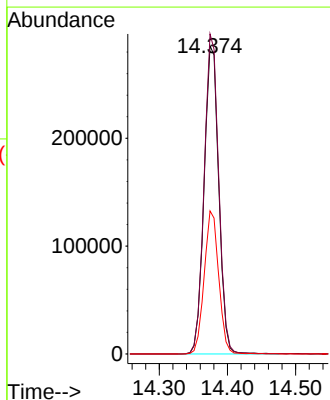
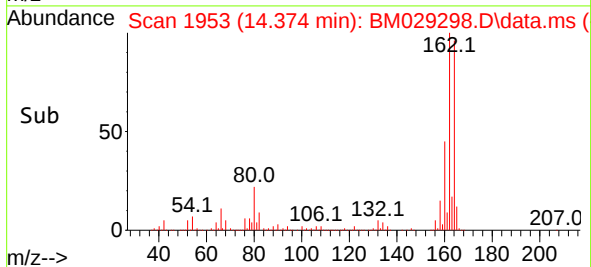
Tgt Ion: 82 Resp: 186793
Ion Ratio Lower Upper
82 100
128 38.4 28.6 42.8
54 49.9 40.7 61.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.374 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42



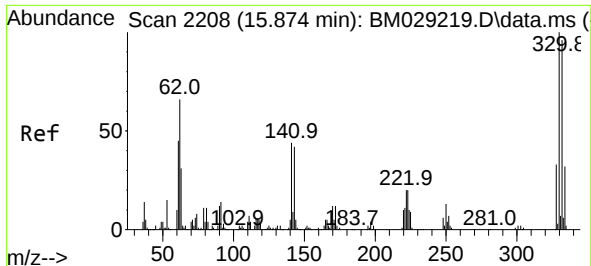
Tgt Ion: 164 Resp: 427843
Ion Ratio Lower Upper
164 100
162 103.8 84.4 126.6
160 46.4 36.6 54.8



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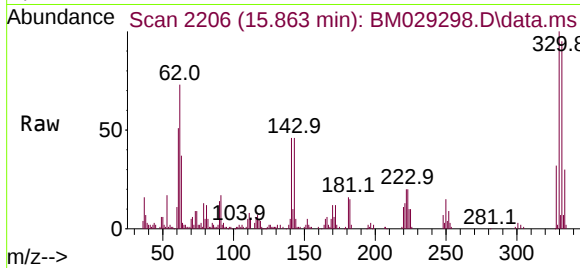
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#42
2,4,6-Tribromophenol
Concen: 16.85 ng
RT: 15.863 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

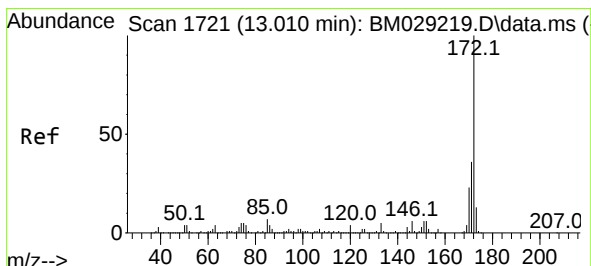
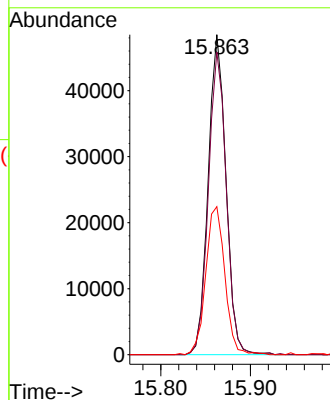
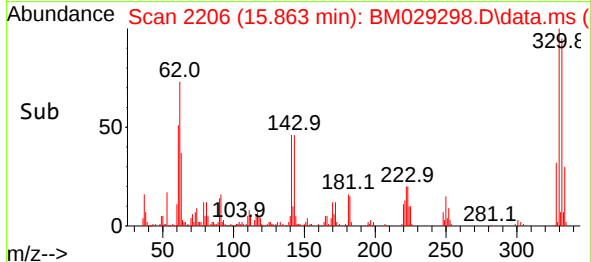
Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)DL



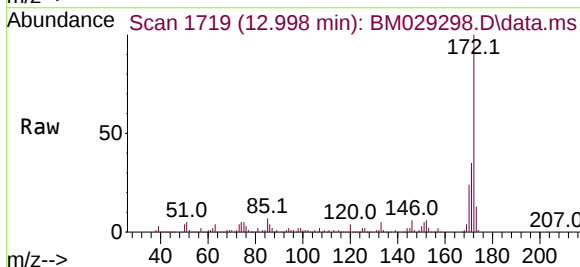
Tgt Ion:330 Resp: 66766
Ion Ratio Lower Upper
330 100
332 95.5 77.1 115.7
141 49.8 39.2 58.8

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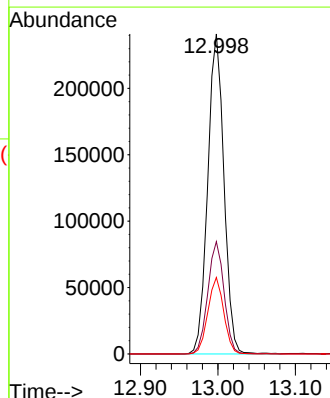
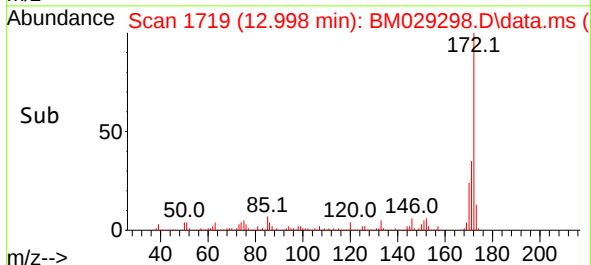
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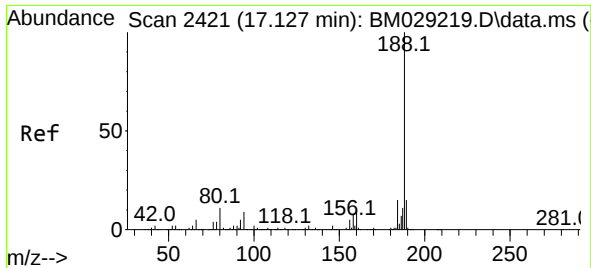


#45
2-Fluorobiphenyl
Concen: 11.61 ng
RT: 12.998 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42



Tgt Ion:172 Resp: 350183
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 23.9 18.8 28.2





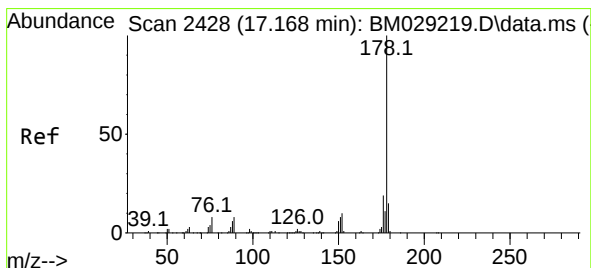
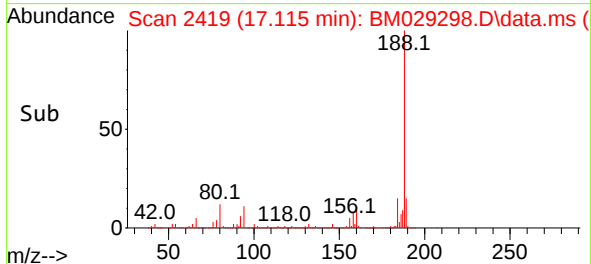
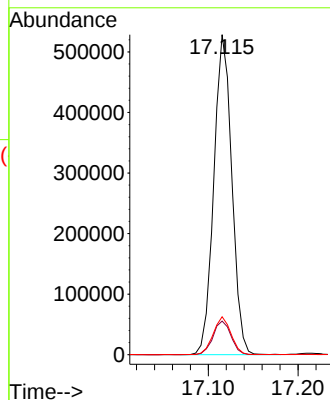
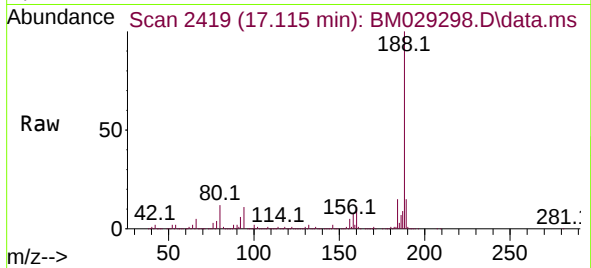
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.115 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.1	12.1
80	11.9	9.2	13.8

Instrument :
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BG-1-(0.0-0.5)DL

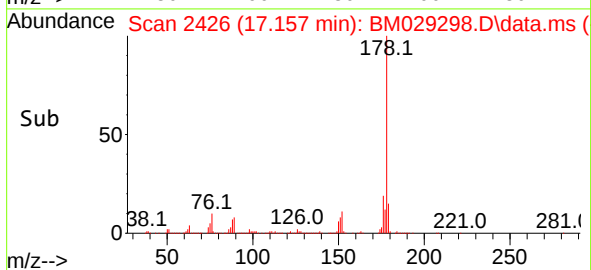
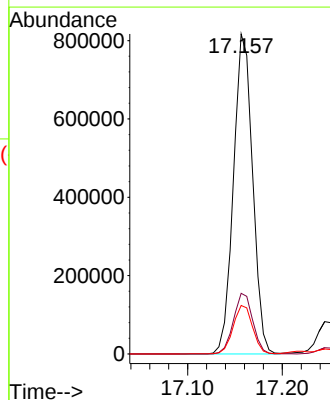
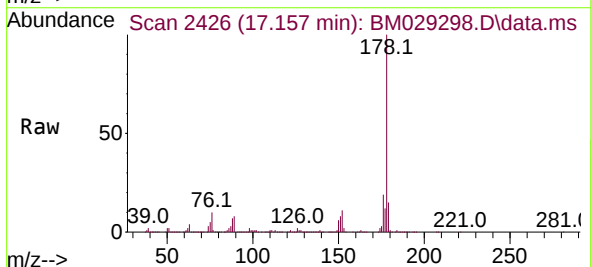
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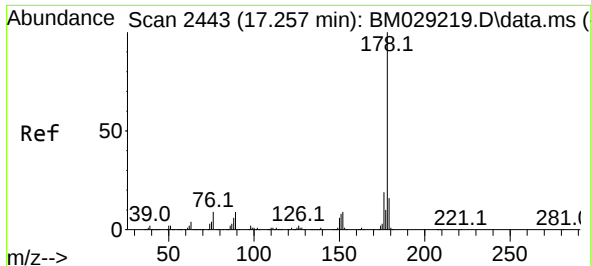
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#71
Phenanthrene
Concen: 26.87 ng
RT: 17.157 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

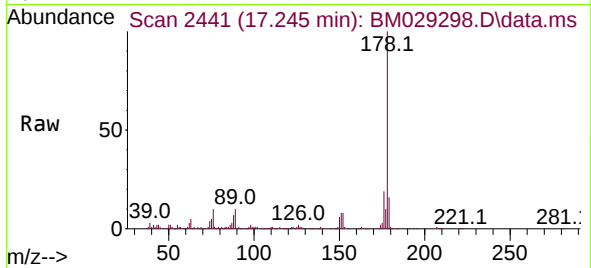
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.7	23.5
179	15.2	11.9	17.9





#72
 Anthracene
 Concen: 2.91 ng
 RT: 17.245 min Scan# 2441
 Delta R.T. -0.000 min
 Lab File: BM029298.D
 Acq: 31 Mar 2021 17:42

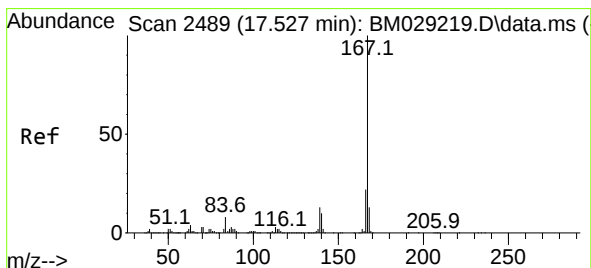
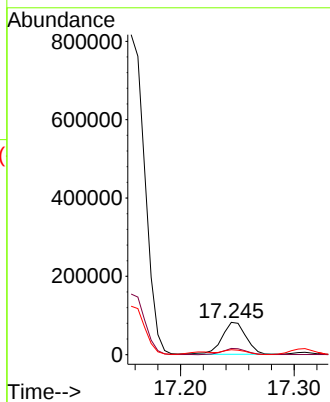
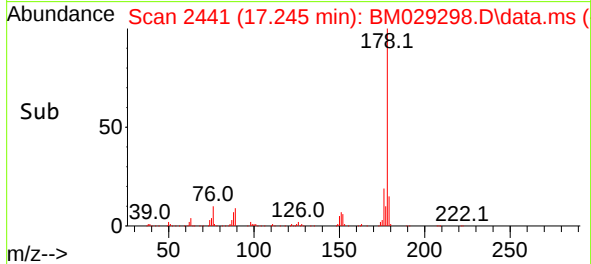
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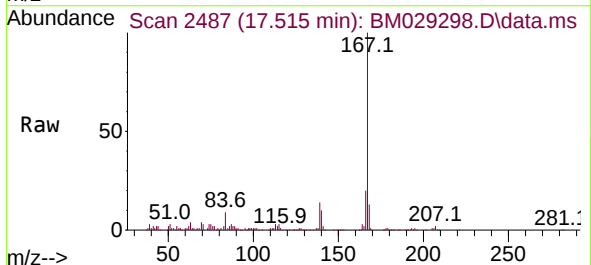
Tgt Ion	Ratio	Lower	Upper
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176	19.3	14.9	22.3
179	15.5	12.1	18.1

Manual Integrations
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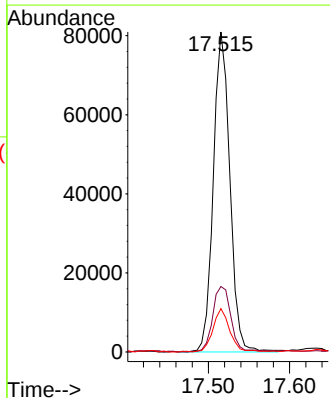
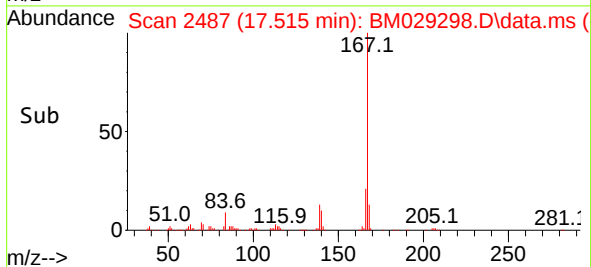
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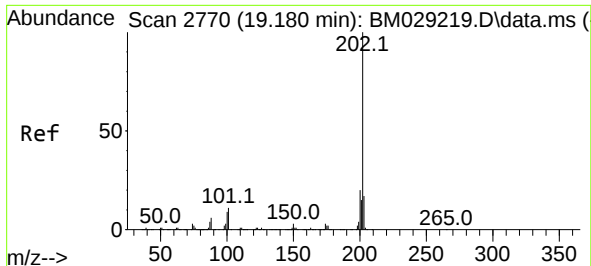


#73
 Carbazole
 Concen: 2.81 ng
 RT: 17.515 min Scan# 2487
 Delta R.T. -0.000 min
 Lab File: BM029298.D
 Acq: 31 Mar 2021 17:42



Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.5	26.3
139	13.5	10.6	15.8





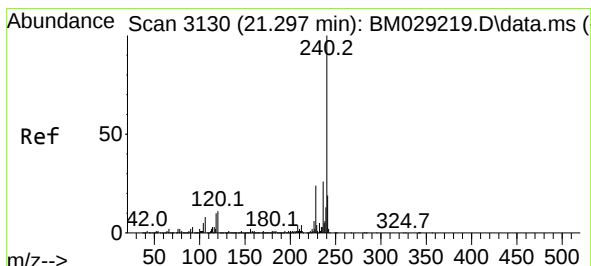
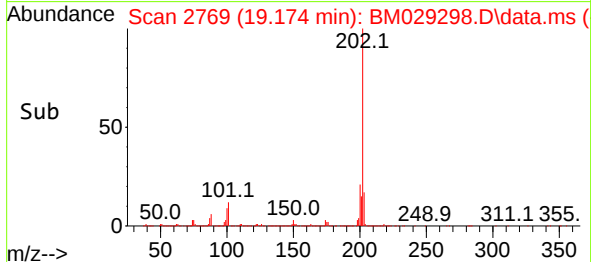
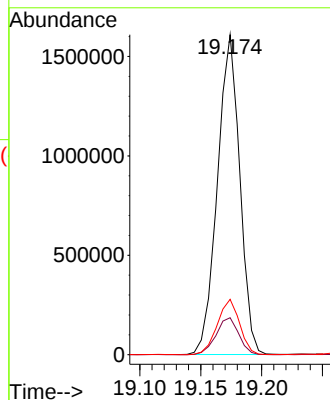
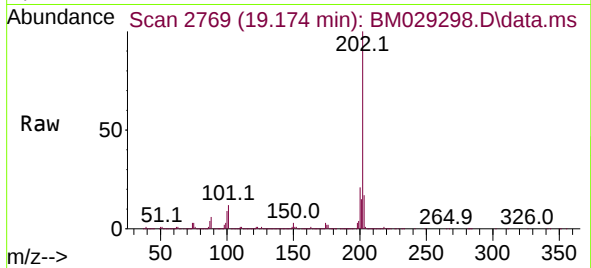
#75
Fluoranthene
Concen: 43.67 ng
RT: 19.174 min Scan# 2769
Delta R.T. 0.006 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

Tgt Ion:202 Resp: 2059087
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.5
203 17.3 0.0 37.7

Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)DL

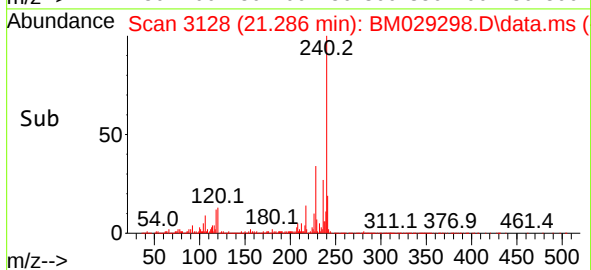
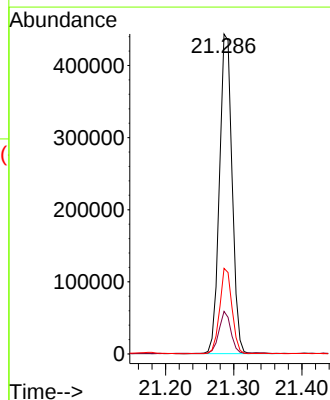
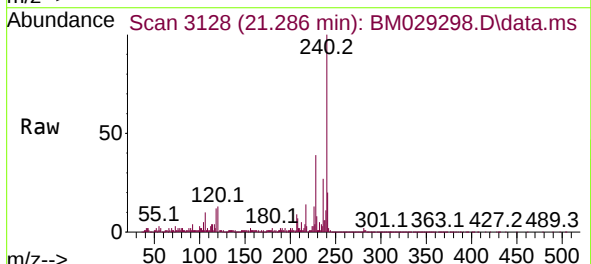
Manual Integrations
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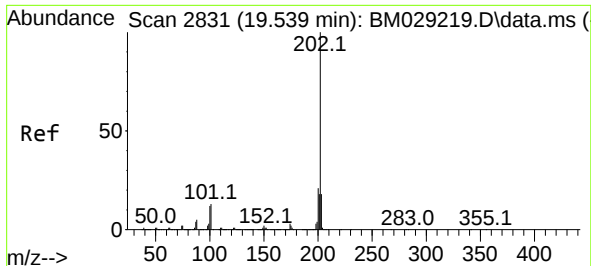
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.286 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

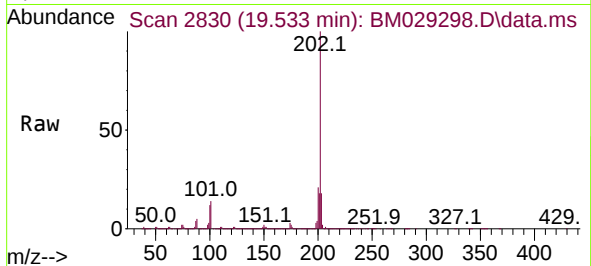
Tgt Ion:240 Resp: 571900
Ion Ratio Lower Upper
240 100
120 13.3 9.0 13.6
236 26.7 20.3 30.5





#78
Pyrene
Concen: 41.00 ng
RT: 19.533 min Scan# 2830
Delta R.T. -0.000 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

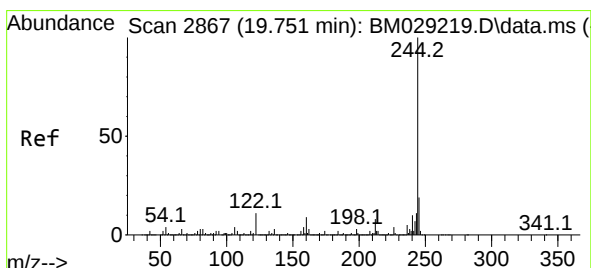
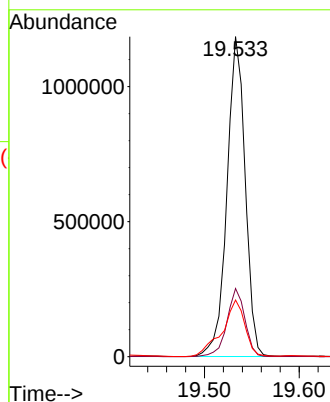
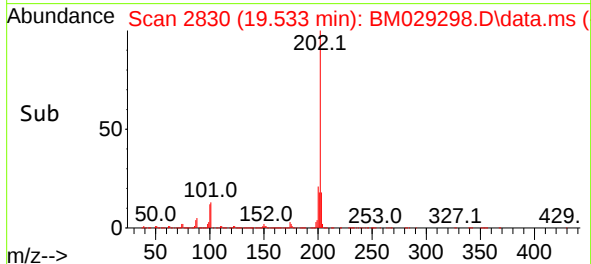
Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)DL



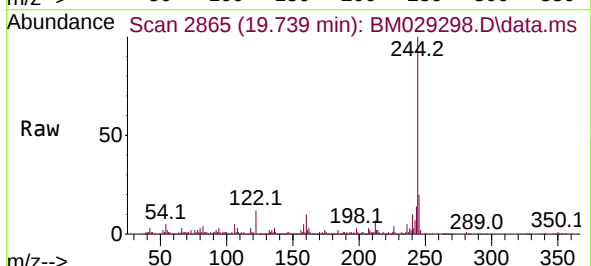
Tgt Ion:202 Resp: 1587468
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.6
203 17.7 14.1 21.1

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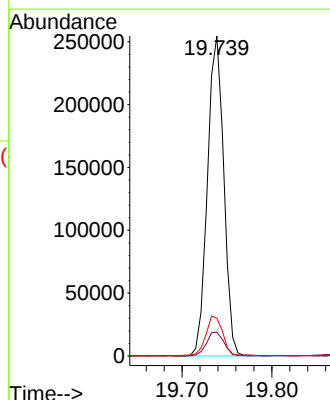
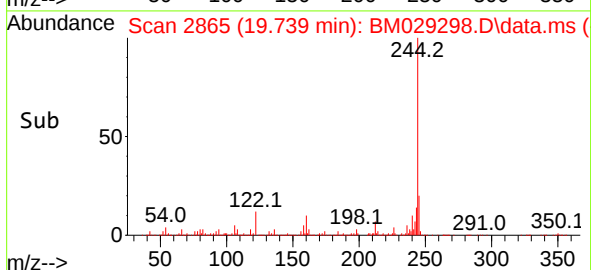
mohammad
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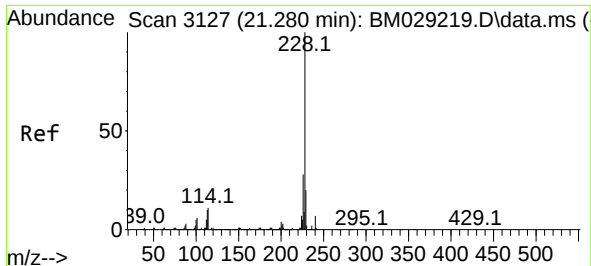


#79
Terphenyl-d14
Concen: 11.28 ng
RT: 19.739 min Scan# 2865
Delta R.T. -0.000 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42



Tgt Ion:244 Resp: 321086
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 11.8 9.2 13.8





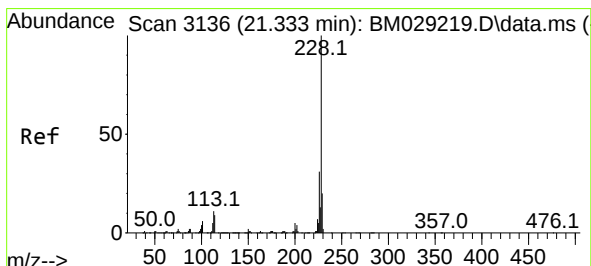
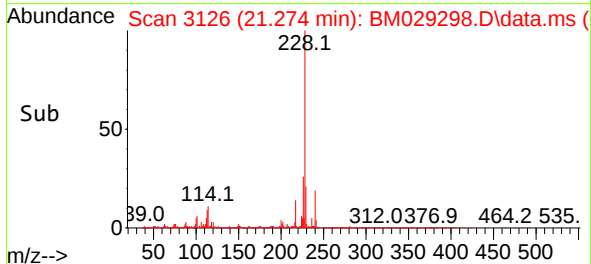
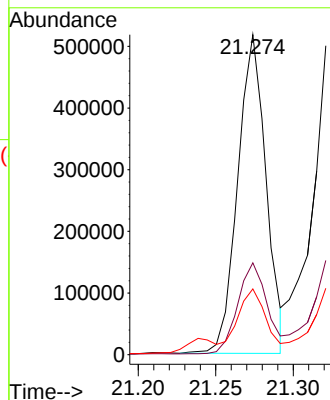
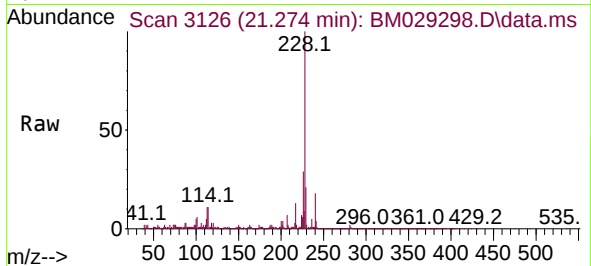
#81
Benzo(a)anthracene
Concen: 17.58 ng
RT: 21.274 min Scan# 3126
Delta R.T. 0.006 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

Tgt Ion:228 Resp: 656078
Ion Ratio Lower Upper
228 100
226 28.7 21.9 32.9
229 20.6 15.7 23.5

Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)DL

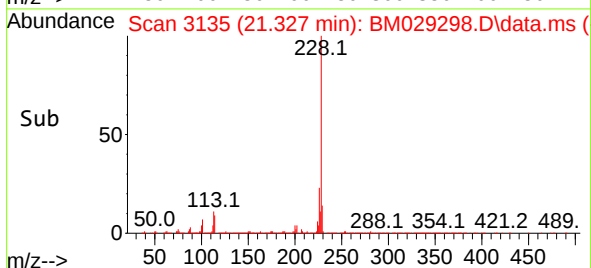
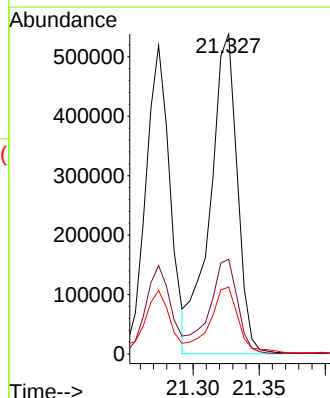
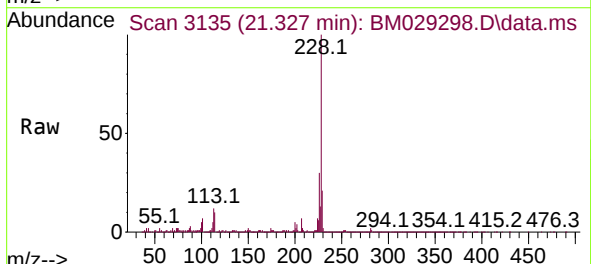
Manual Integrations
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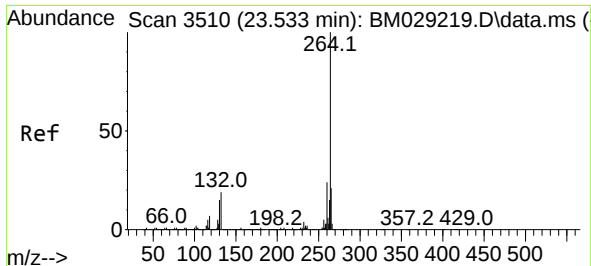
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#83
Chrysene
Concen: 20.68 ng m
RT: 21.327 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

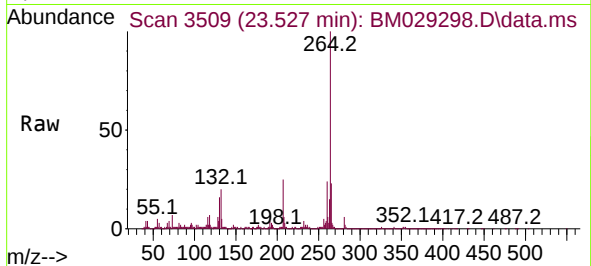
Tgt Ion:228 Resp: 772408
Ion Ratio Lower Upper
228 100
226 29.6 24.7 37.1
229 20.9 15.8 23.6





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.527 min Scan# 3509
Delta R.T. 0.006 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

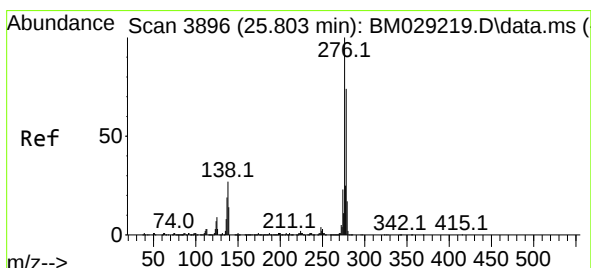
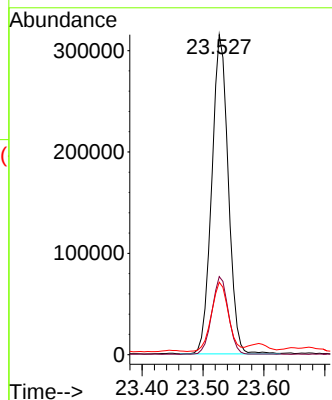
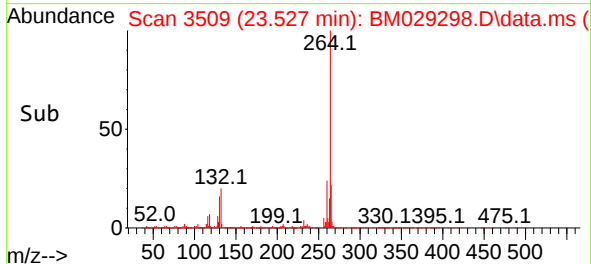
Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)DL



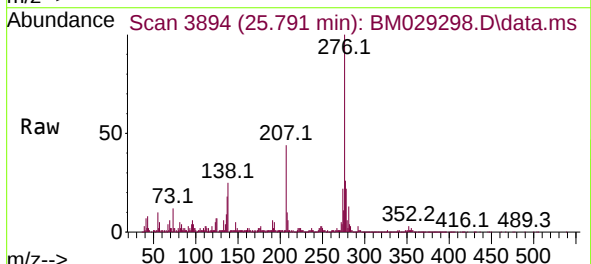
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.6	29.4
265	22.6	17.8	26.8

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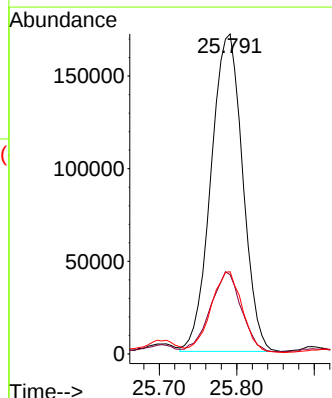
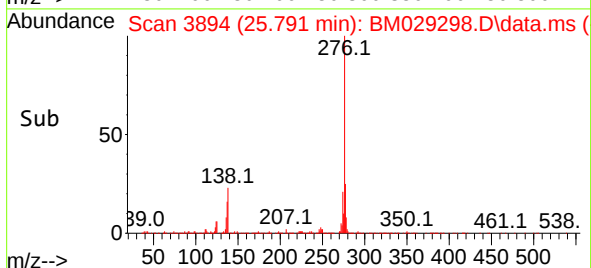
mohammad
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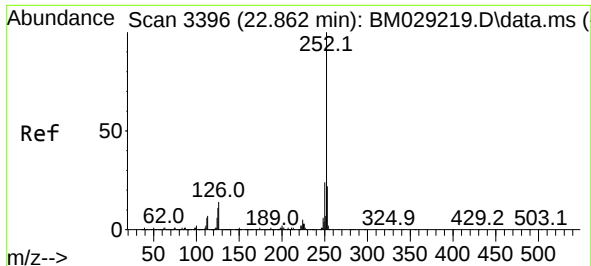


#87
Indeno(1,2,3-cd)pyrene
Concen: 11.21 ng
RT: 25.791 min Scan# 3894
Delta R.T. 0.011 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42



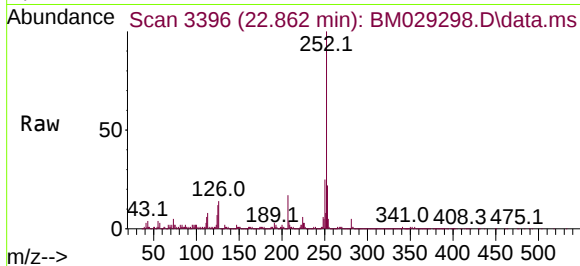
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	22.6	34.0
277	25.1	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 26.10 ng
RT: 22.862 min Scan# 3396
Delta R.T. 0.017 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

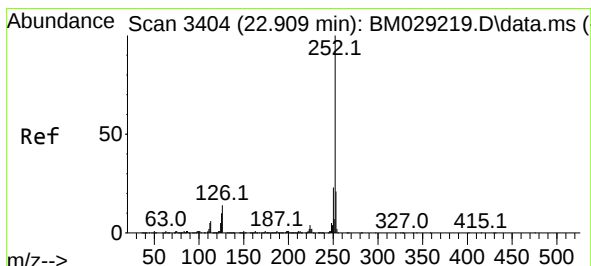
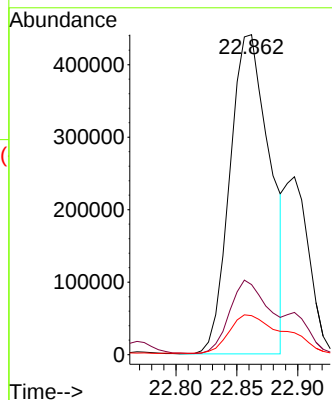
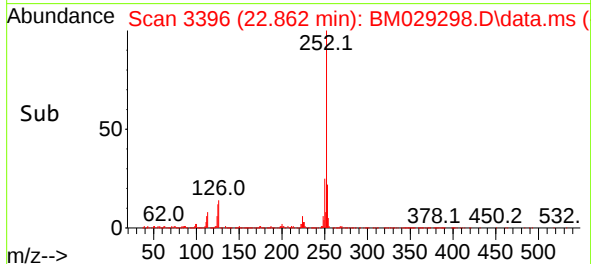
Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)DL



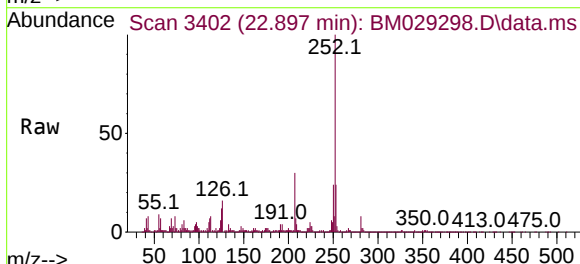
Tgt Ion:252 Resp: 1007640
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 12.2 9.0 13.4

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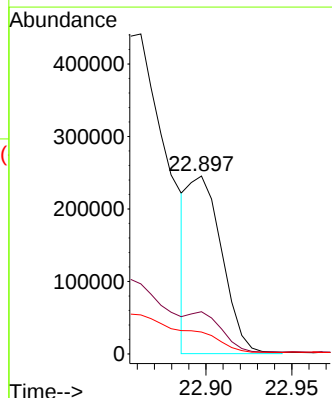
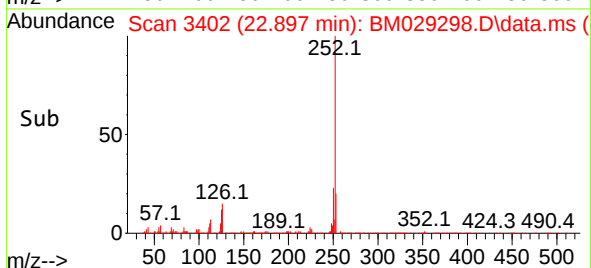
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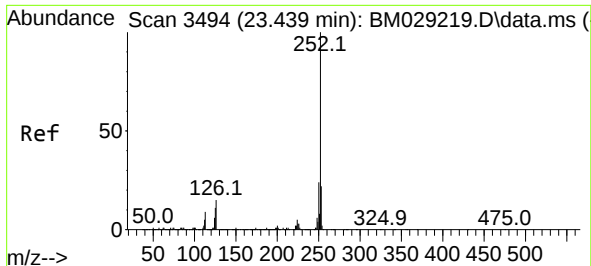


#89
Benzo(k)fluoranthene
Concen: 8.91 ng m
RT: 22.897 min Scan# 3402
Delta R.T. 0.006 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42



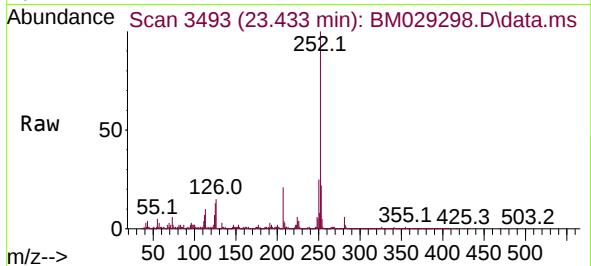
Tgt Ion:252 Resp: 334241
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 12.3 8.7 13.1





#90
Benzo(a)pyrene
Concen: 18.81 ng
RT: 23.433 min Scan# 3493
Delta R.T. 0.011 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42

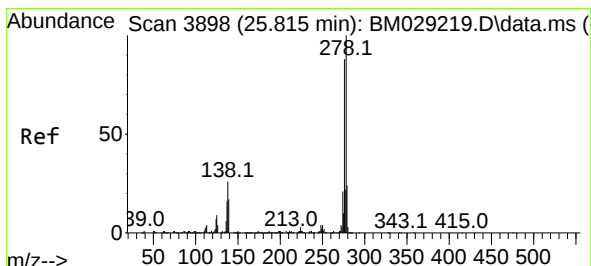
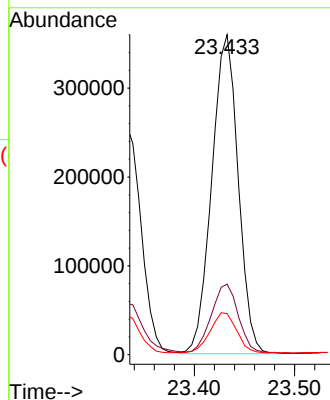
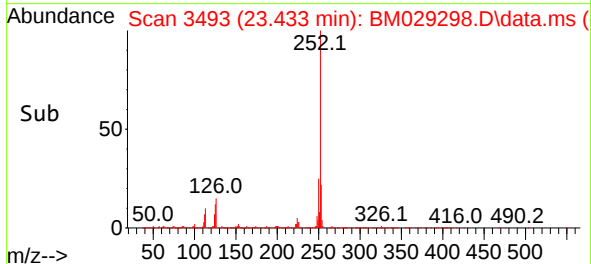
Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)DL



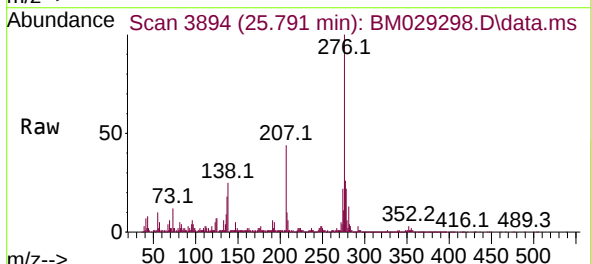
Tgt Ion:252 Resp: 657641
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.4
125 12.8 9.5 14.3

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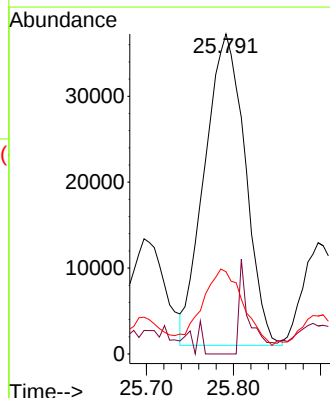
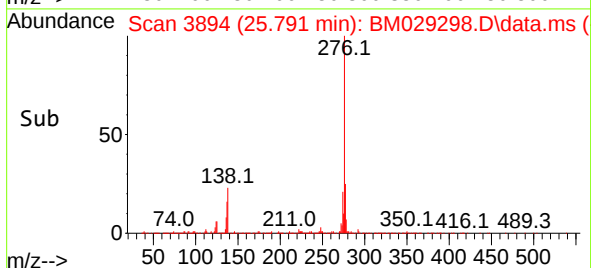
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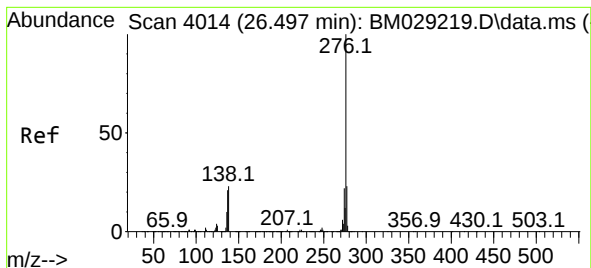


#91
Dibenzo(a,h)anthracene
Concen: 3.16 ng m
RT: 25.791 min Scan# 3894
Delta R.T. -0.000 min
Lab File: BM029298.D
Acq: 31 Mar 2021 17:42



Tgt Ion:278 Resp: 117302
Ion Ratio Lower Upper
278 100
139 0.0 14.8 22.2#
279 25.7 19.3 28.9





#92
 Benzo(g,h,i)perylene
 Concen: 12.86 ng
 RT: 26.485 min Scan# 4012
 Delta R.T. 0.011 min
 Lab File: BM029298.D
 Acq: 31 Mar 2021 17:42

Tgt Ion: 276 Resp: 468053

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.7	28.1
138	26.6	19.0	28.4

Instrument :
 BNA_M
 ClientSampleId :
 BG-1-(0.0-0.5)DL

Manual Integrations
 APPROVED

mohammad
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