

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
 Data File : BP003429.D
 Acq On : 01 Oct 2020 00:01
 Operator : CG/JU
 Sample : L4172-09DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-7(9-11)DL

Manual Integrations
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Quant Time: Oct 01 02:19:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 30 17:14:02 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.540	152	98609	20.00	ng	0.00
21) Naphthalene-d8	10.316	136	428535	20.00	ng	# 0.00
39) Acenaphthene-d10	14.193	164	280762	20.00	ng	0.00
64) Phenanthrene-d10	16.957	188	641498	20.00	ng	# 0.01
76) Chrysene-d12	21.145	240	614607	20.00	ng	0.08
86) Perylene-d12	23.592	264	609551m	20.00	ng	0.34
System Monitoring Compounds						
5) 2-Fluorophenol	5.164	112	52516	9.30	ng	0.01
7) Phenol-d6	6.758	99	70651	9.39	ng	0.02
23) Nitrobenzene-d5	8.699	82	39508	5.42	ng	0.01
42) 2,4,6-Tribromophenol	15.710	330	28985	6.77	ng	0.02
45) 2-Fluorobiphenyl	12.810	172	101888	5.31	ng	0.00
79) Terphenyl-d14	19.563	244	157071	5.32	ng	0.03
Target Compounds						Qvalue
31) Naphthalene	10.363	128	206907	9.14	ng	99
37) 2-Methylnaphthalene	11.993	142	43045	2.62	ng	92
49) Acenaphthylene	13.916	152	95470	3.60	ng	99
52) Acenaphthene	14.257	154	65837	4.08	ng	98
55) Dibenzofuran	14.598	168	115227	4.48	ng	94
58) Fluorene	15.251	166	119408	5.87	ng	97
71) Phenanthrene	17.004	178	1374690	39.39	ng	100
72) Anthracene	17.092	178	390292	11.35	ng	99
73) Carbazole	17.381	167	198573	6.08	ng	99
75) Fluoranthene	19.004	202	1750467	39.89	ng	99
78) Pyrene	19.363	202	1377552	35.94	ng	100
81) Benzo(a)anthracene	21.127	228	738808	18.60	ng	# 93
83) Chrysene	21.127	228	738808	19.36	ng	# 93
87) Indeno(1,2,3-cd)pyrene	26.262	276	430211m	9.31	ng	
88) Benzo(b)fluoranthene	22.851	252	1108682	28.80	ng	# 94
89) Benzo(k)fluoranthene	23.469	252	1010309m	27.39	ng	
90) Benzo(a)pyrene	23.469	252	1006891m	27.74	ng	
91) Dibenzo(a,h)anthracene	26.398	278	341014m	8.94	ng	
92) Benzo(g,h,i)perylene	26.262	276	435902m	11.45	ng	

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

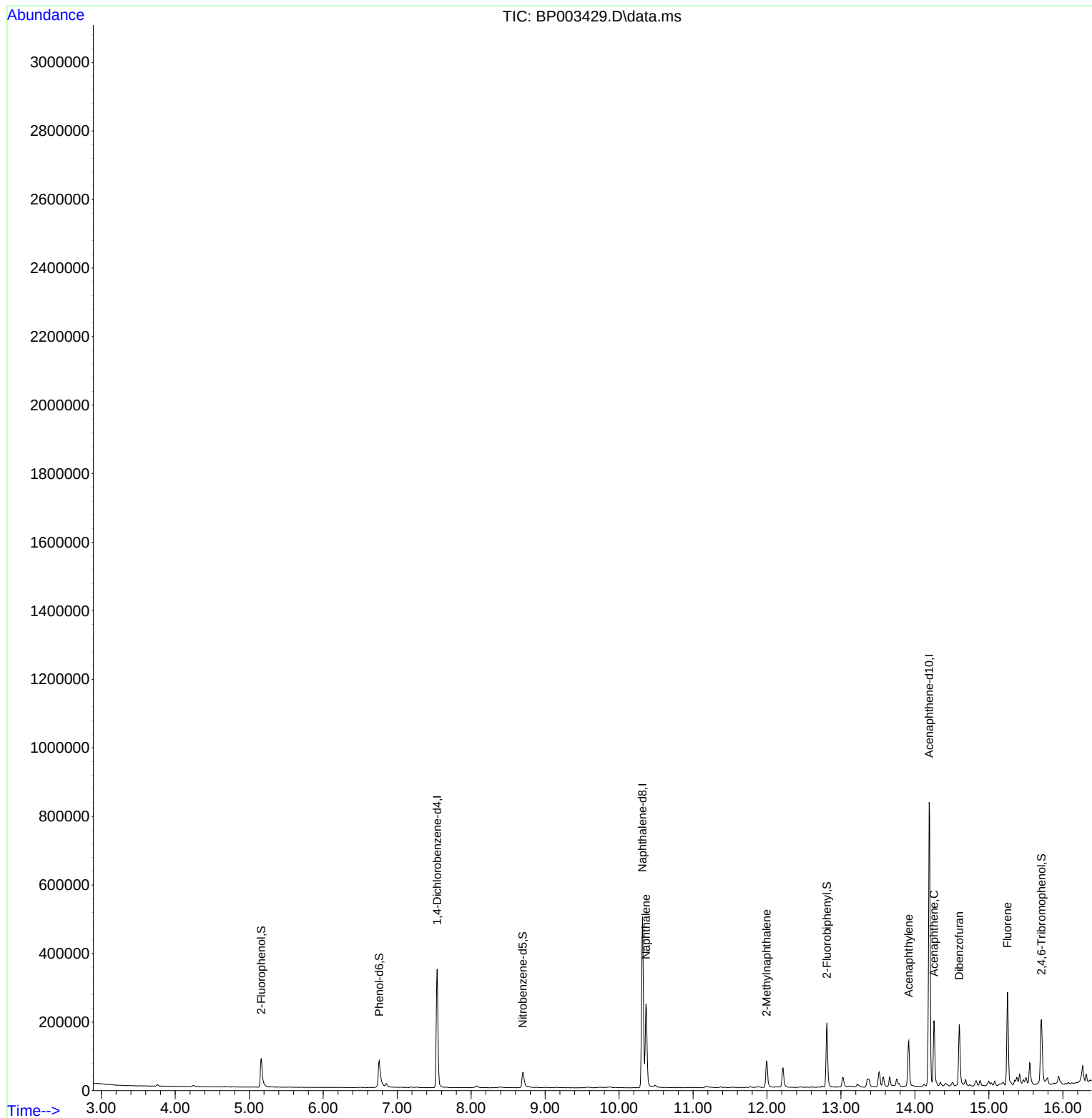
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003429.D
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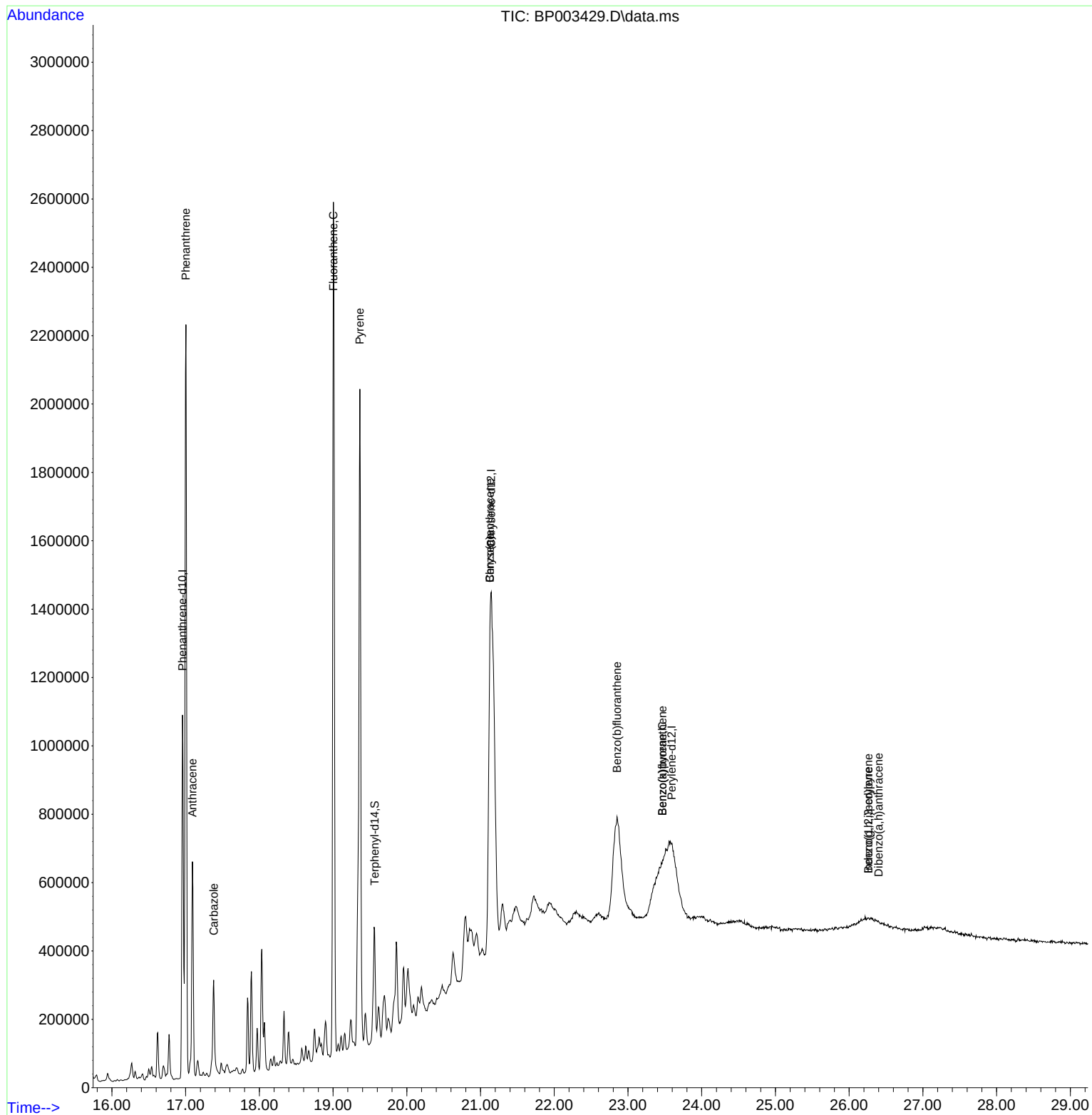
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Acq On : 01 Oct 2020 00:01
Operator : CG/JU
Sample : L4172-09DL 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

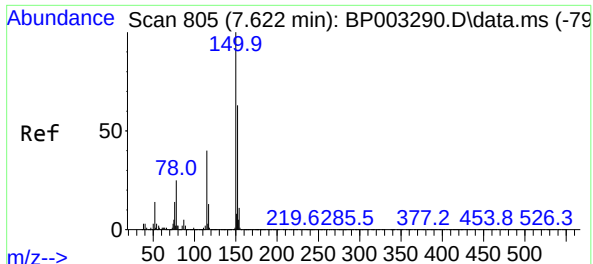
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 30 17:14:02 2020
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.540 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

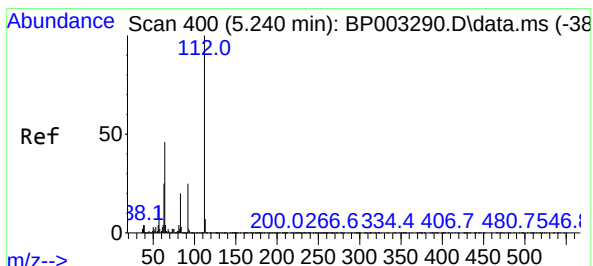
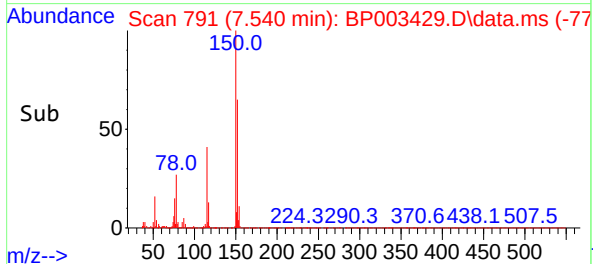
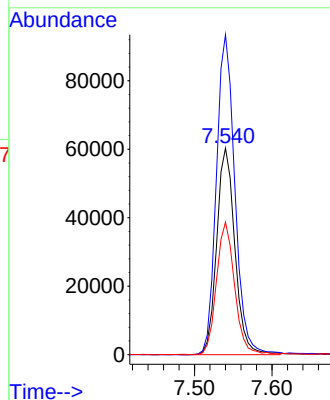
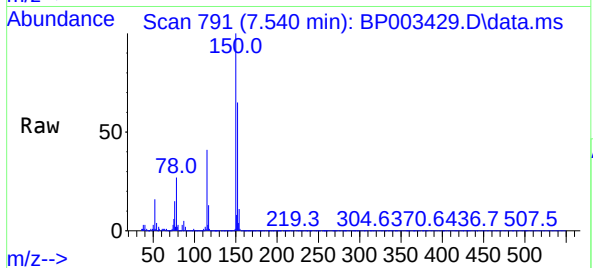
Tgt Ion:152 Resp: 98609

Ion	Ratio	Lower	Upper
152	100		
150	154.9	123.8	185.6
115	64.1	43.8	65.6

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

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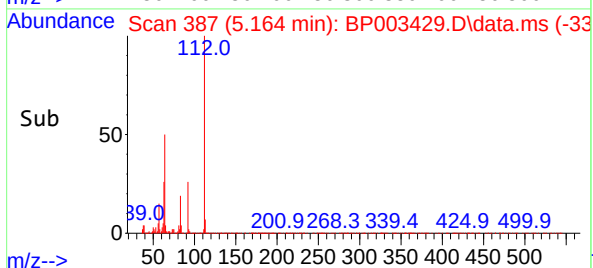
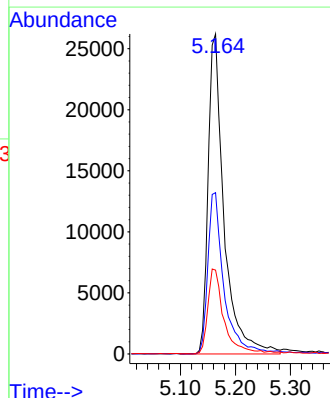
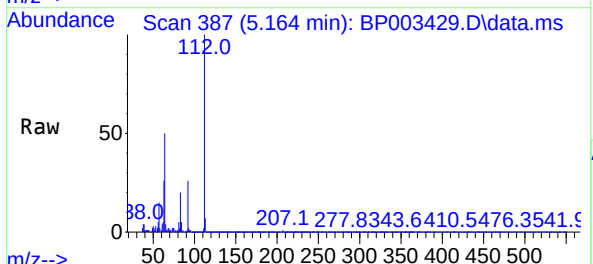
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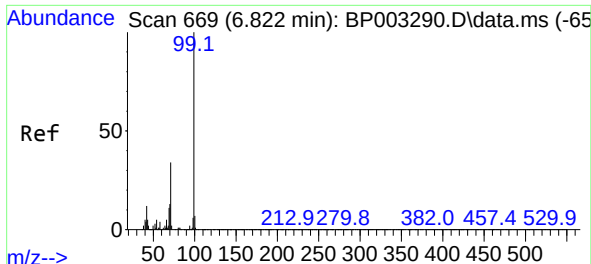


#5
2-Fluorophenol
Concen: 9.30 ng
RT: 5.164 min Scan# 387
Delta R.T. 0.012 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:112 Resp: 52516

Ion	Ratio	Lower	Upper
112	100		
64	50.4	32.8	49.2#
63	26.2	17.0	25.4#





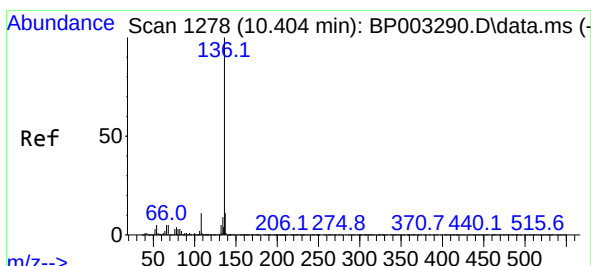
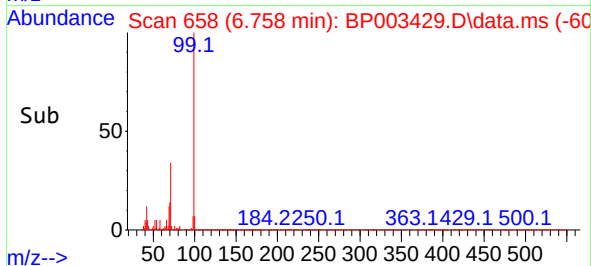
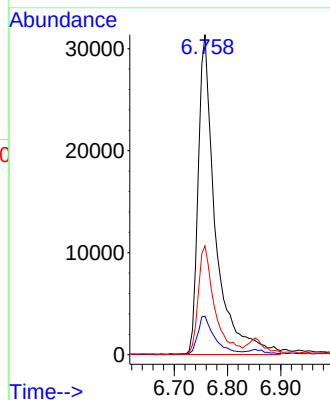
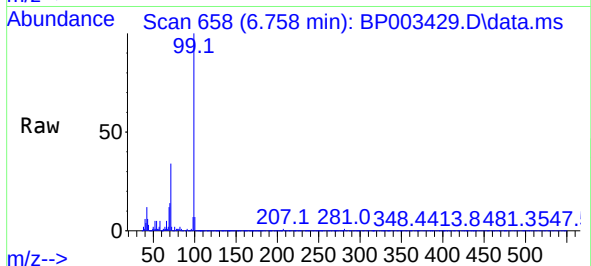
#7
Phenol-d6
Concen: 9.39 ng
RT: 6.758 min Scan# 658
Delta R.T. 0.018 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:	99	Resp:	70651
Ion	Ratio	Lower	Upper
99	100		
42	12.0	8.6	13.0
71	34.0	23.4	35.2

Instrument :
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ClientSampleId :
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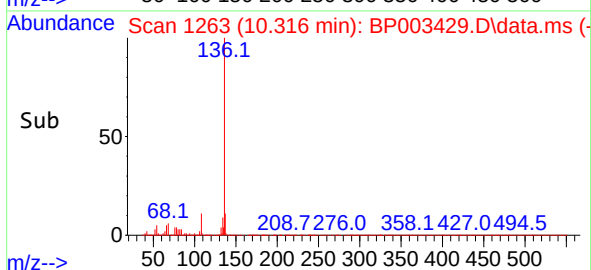
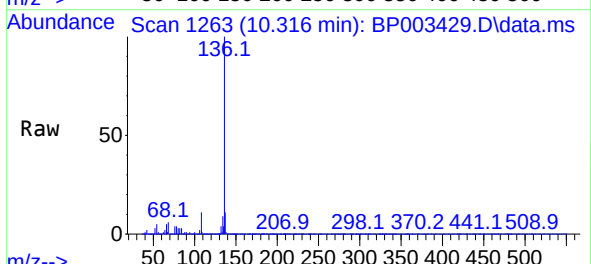
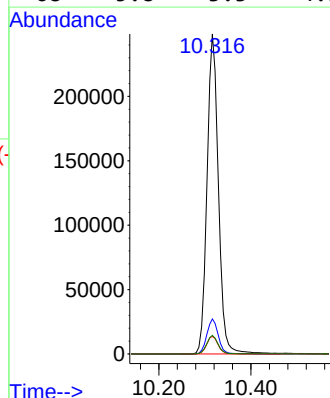
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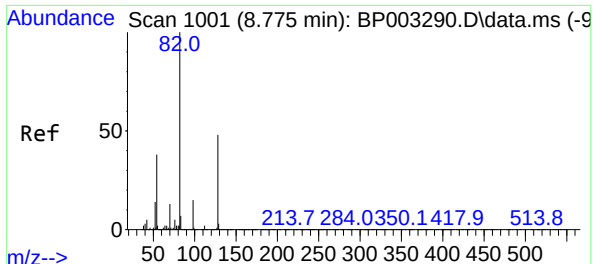
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.316 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:	136	Resp:	428535
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	5.5	3.6	5.4#
68	5.8	3.3	4.9#





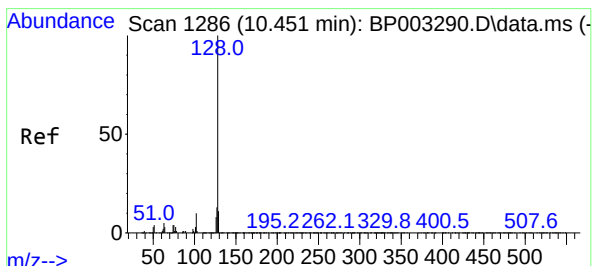
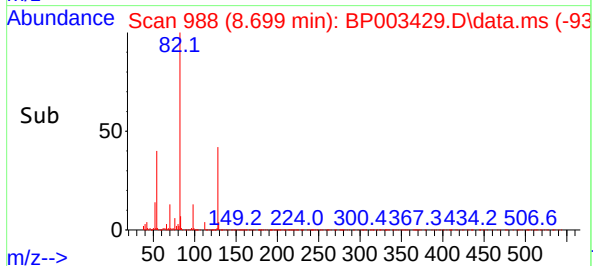
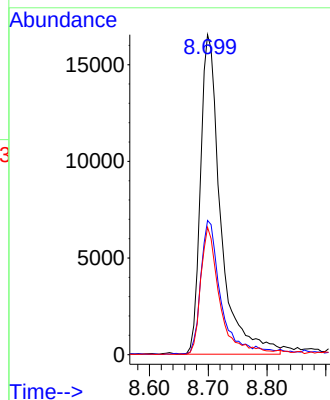
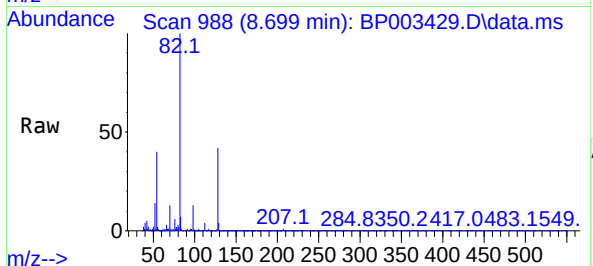
#23
Nitrobenzene-d5
Concen: 5.42 ng
RT: 8.699 min Scan# 988
Delta R.T. 0.012 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion: 82 Resp: 39508
Ion Ratio Lower Upper
82 100
128 42.0 45.6 68.4#
54 39.8 30.1 45.1

Instrument :
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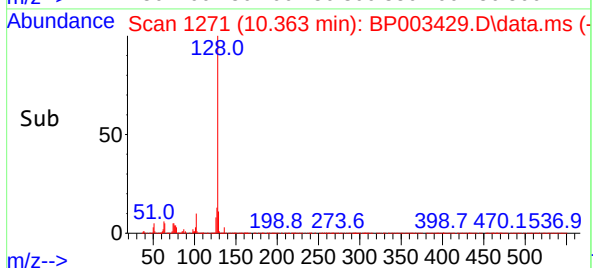
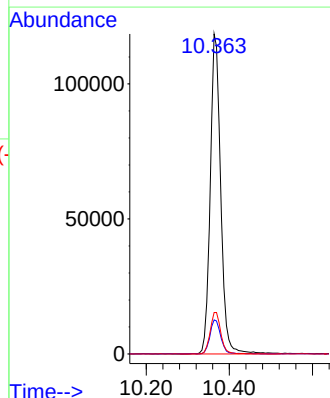
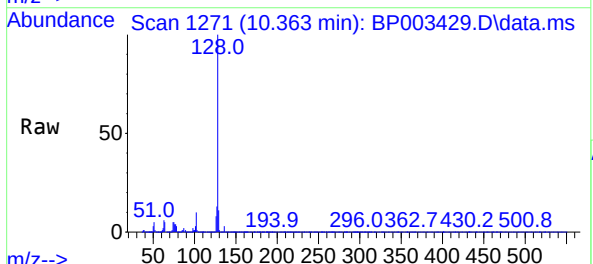
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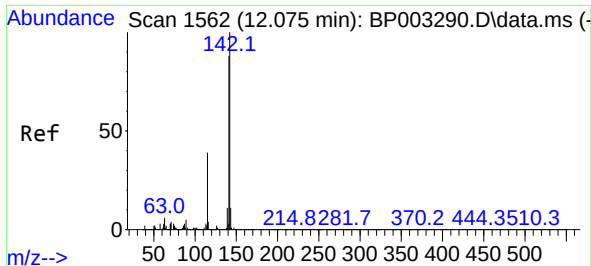
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#31
Naphthalene
Concen: 9.14 ng
RT: 10.363 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

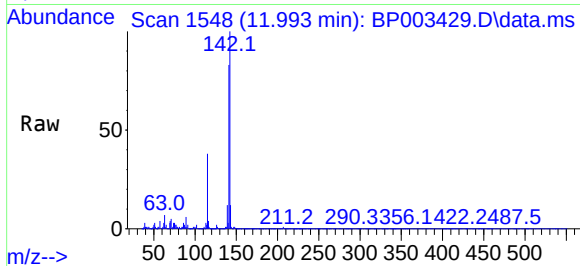
Tgt Ion: 128 Resp: 206907
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.0 10.6 15.8





#37
2-Methylnaphthalene
Concen: 2.62 ng
RT: 11.993 min Scan# 1548
Delta R.T. 0.006 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

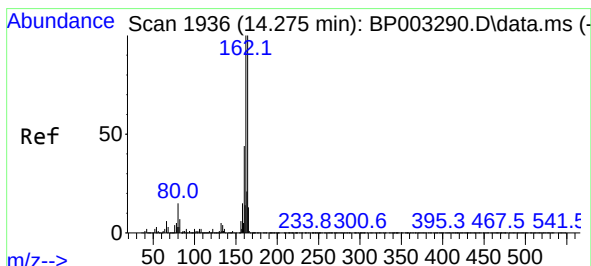
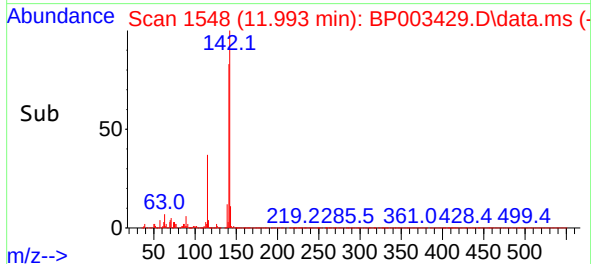
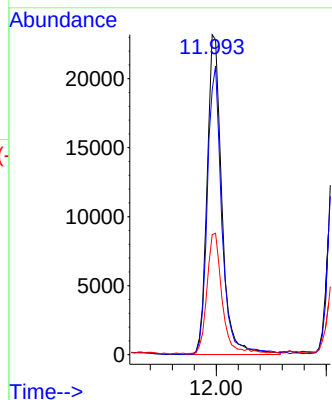
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL



Tgt Ion:142 Resp: 43045
Ion Ratio Lower Upper
142 100
141 82.8 71.4 107.2
115 37.5 25.8 38.6

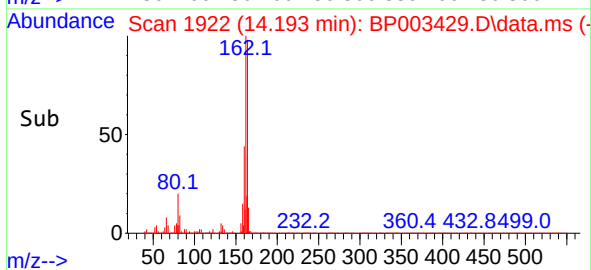
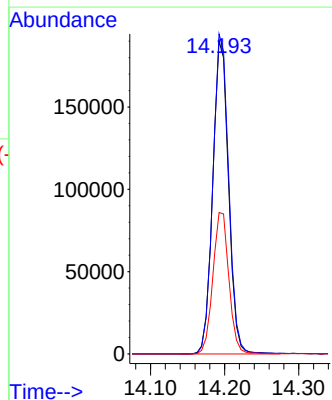
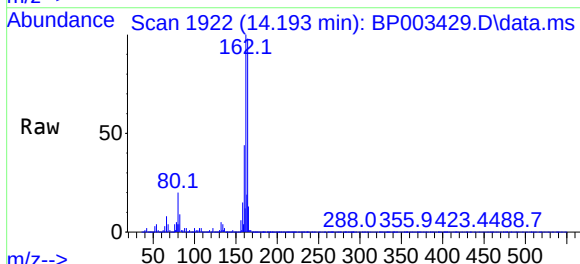
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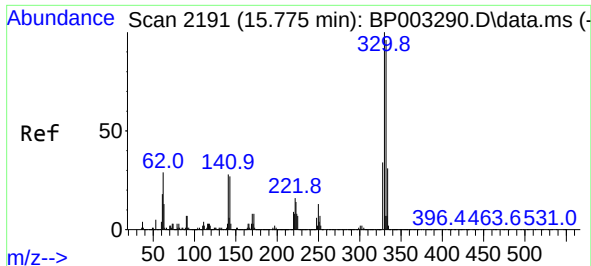
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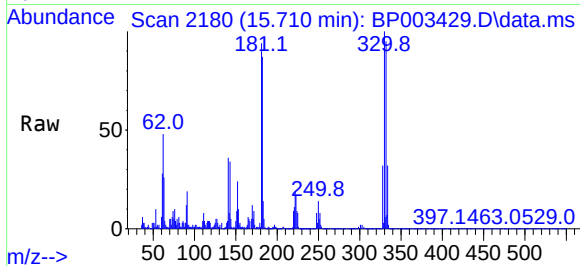
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.193 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:164 Resp: 280762
Ion Ratio Lower Upper
164 100
162 102.3 79.4 119.2
160 45.2 36.1 54.1

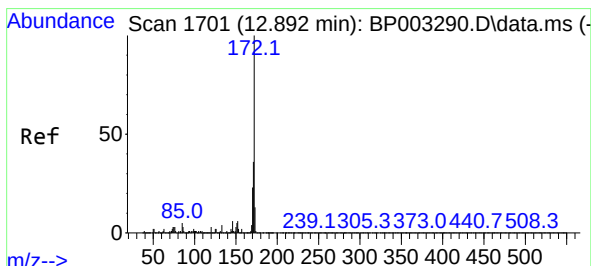
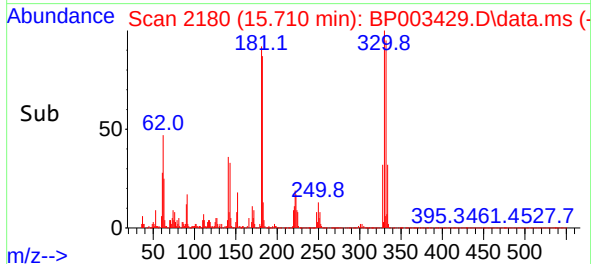
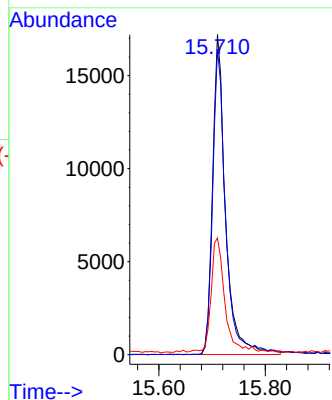




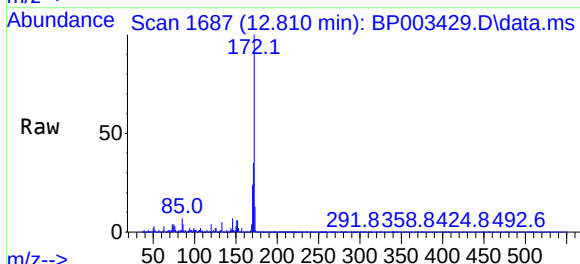
#42
2,4,6-Tribromophenol
Concen: 6.77 ng
RT: 15.710 min Scan# 2180
Delta R.T. 0.018 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01



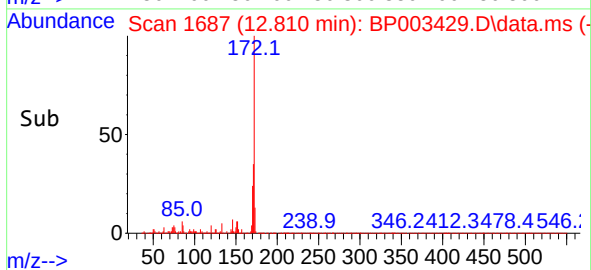
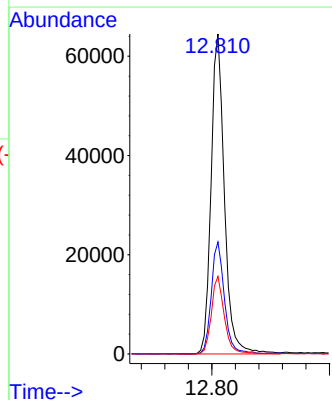
Tgt Ion: 330 Resp: 28985
Ion Ratio Lower Upper
330 100
332 97.6 77.1 115.7
141 39.2 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 5.31 ng
RT: 12.810 min Scan# 1687
Delta R.T. 0.006 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01



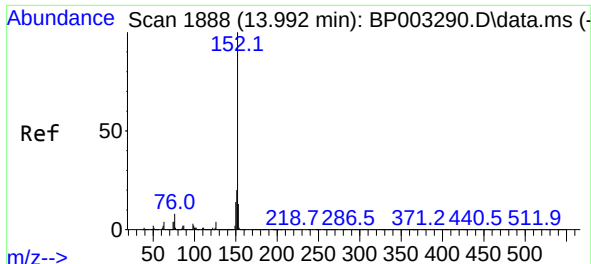
Tgt Ion: 172 Resp: 101888
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 24.3 19.2 28.8



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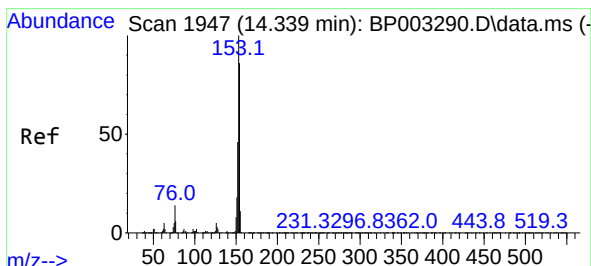
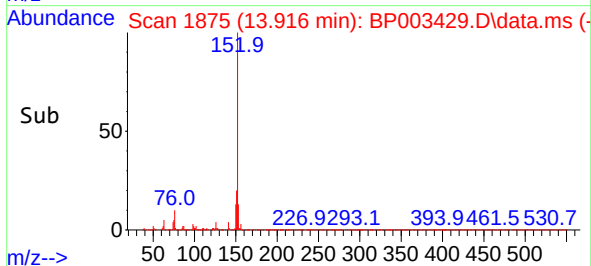
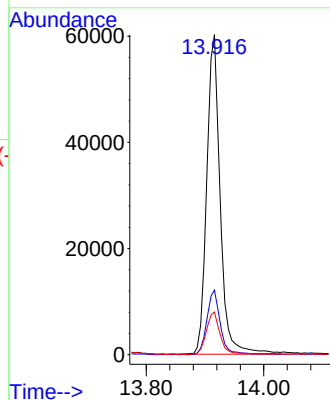
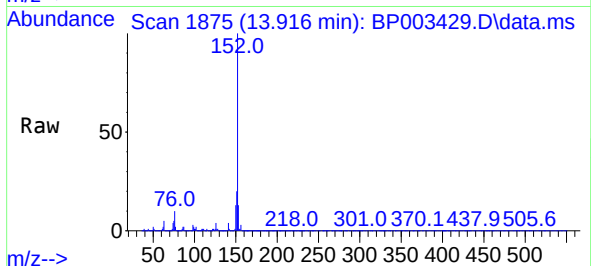
#49
Acenaphthylene
Concen: 3.60 ng
RT: 13.916 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:	152	Resp:	95470
Ion Ratio	Lower	Upper	
152	100		
151	20.2	15.9	23.9
153	13.3	10.5	15.7

Instrument :
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B-7(9-11)DL

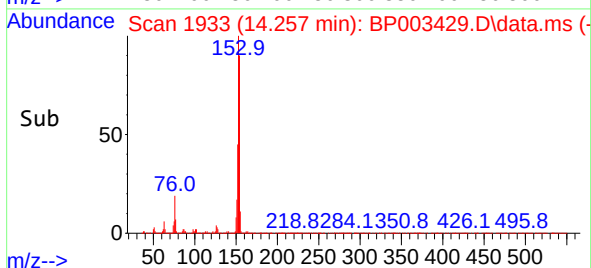
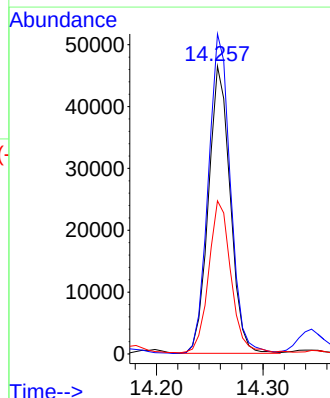
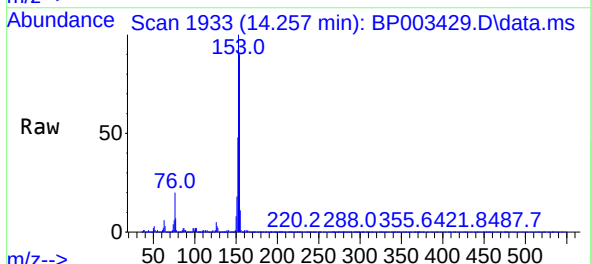
Manual Integrations
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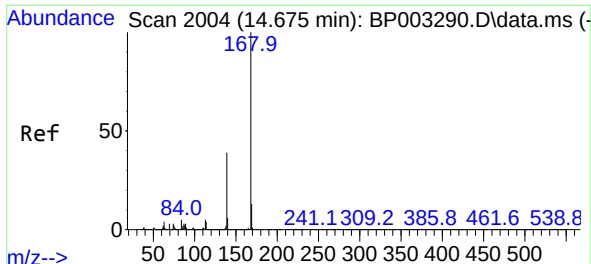
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#52
Acenaphthene
Concen: 4.08 ng
RT: 14.257 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

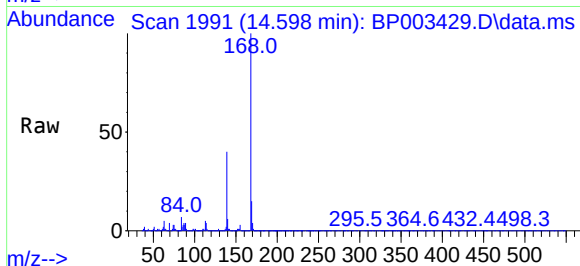
Tgt Ion:	154	Resp:	65837
Ion Ratio	Lower	Upper	
154	100		
153	111.2	91.0	136.6
152	53.2	43.0	64.6





#55
Dibenzenofuran
Concen: 4.48 ng
RT: 14.598 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

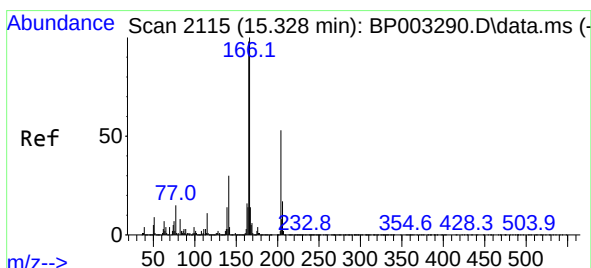
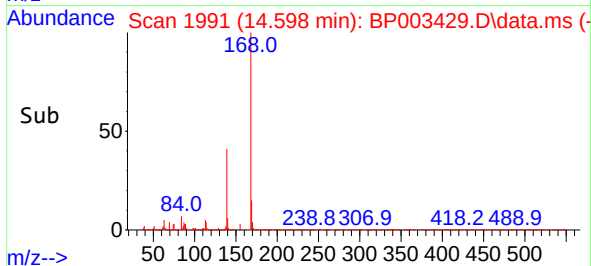
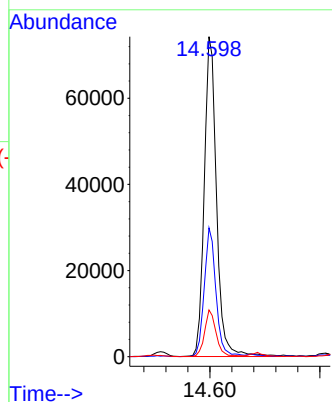
Instrument :
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Tgt Ion:168 Resp: 115227
Ion Ratio Lower Upper
168 100
139 40.3 29.1 43.7
169 14.6 10.4 15.6

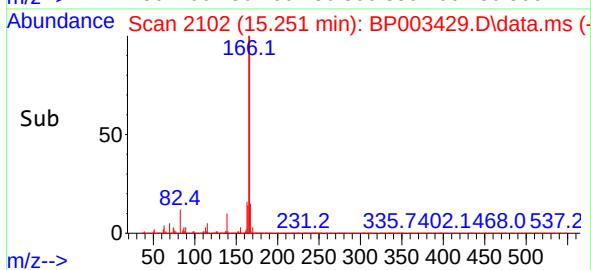
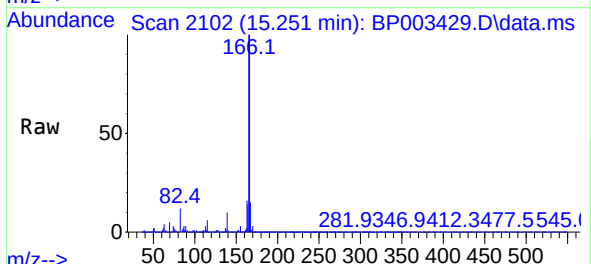
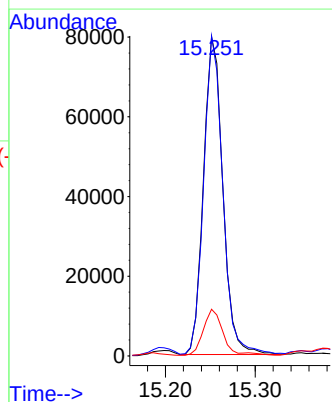
Manual Integrations
APPROVED

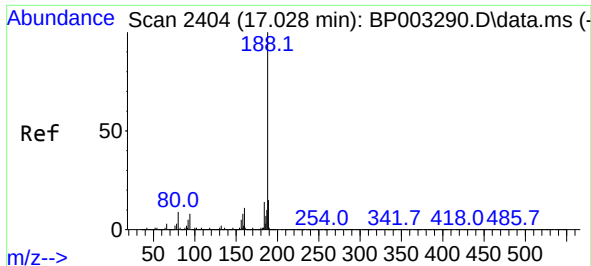
mohammad
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#58
Fluorene
Concen: 5.87 ng
RT: 15.251 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

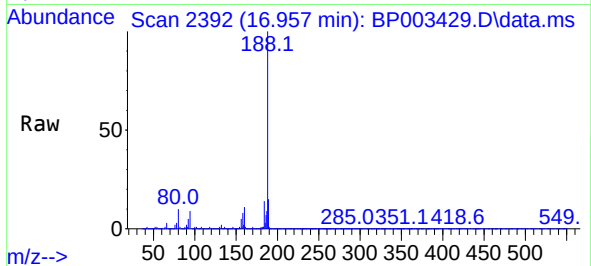
Tgt Ion:166 Resp: 119408
Ion Ratio Lower Upper
166 100
165 100.3 77.8 116.8
167 14.6 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.957 min Scan# 2392
Delta R.T. 0.012 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

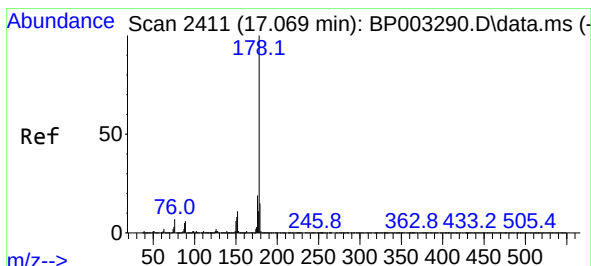
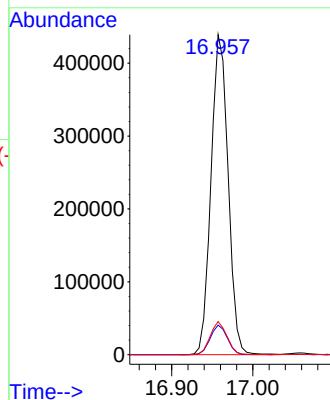
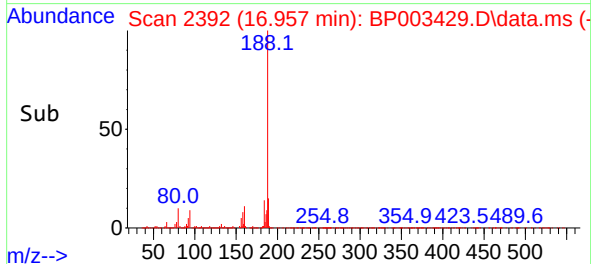
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL



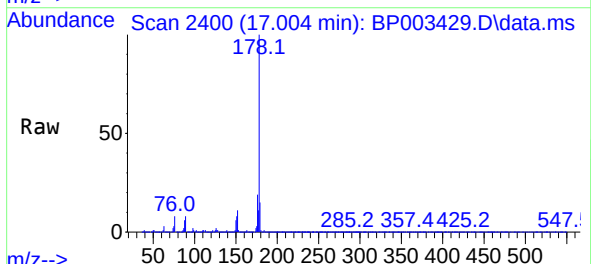
Tgt Ion:188 Resp: 641498
Ion Ratio Lower Upper
188 100
94 9.2 6.2 9.2
80 10.4 6.2 9.2#

Manual Integrations
APPROVED

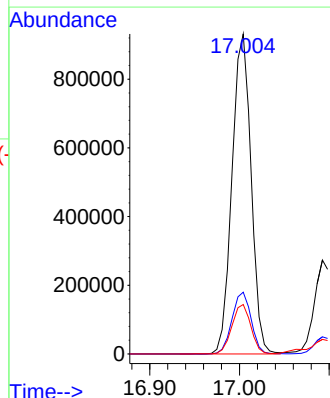
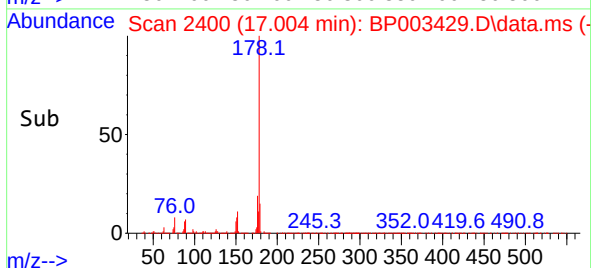
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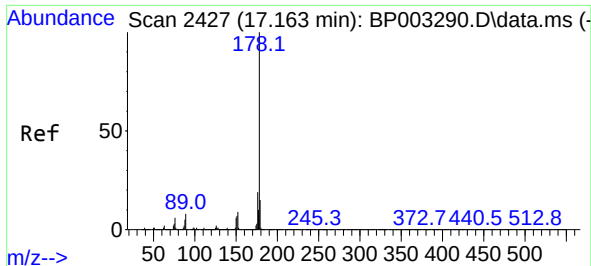


#71
Phenanthrene
Concen: 39.39 ng
RT: 17.004 min Scan# 2400
Delta R.T. 0.012 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01



Tgt Ion:178 Resp: 1374690
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.4 12.5 18.7





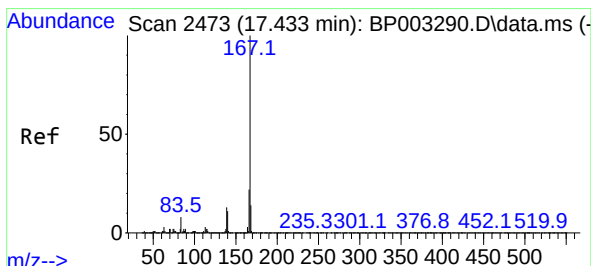
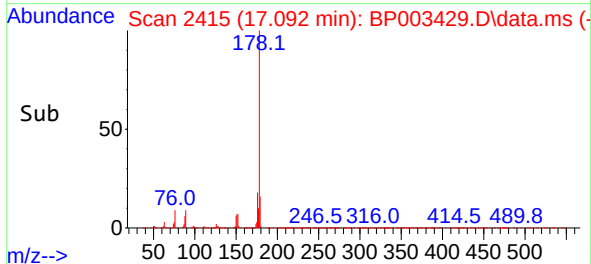
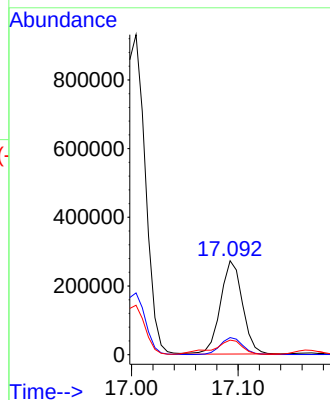
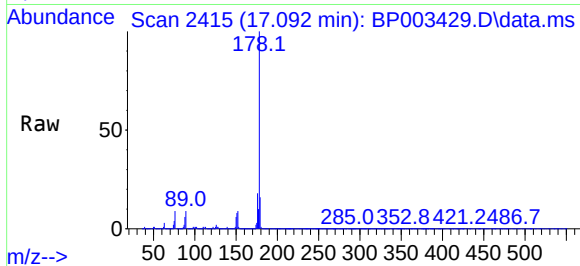
#72
 Anthracene
 Concen: 11.35 ng
 RT: 17.092 min Scan# 2415
 Delta R.T. 0.012 min
 Lab File: BP003429.D
 Acq: 01 Oct 2020 00:01

Tgt Ion:	178	Resp:	390292
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.0	22.4
179	15.5	12.5	18.7

Instrument :
 BNA_P
 ClientSampleId :
 B-7(9-11)DL

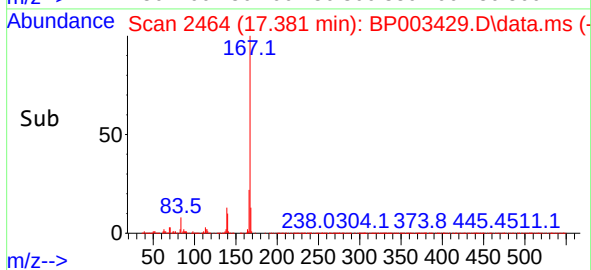
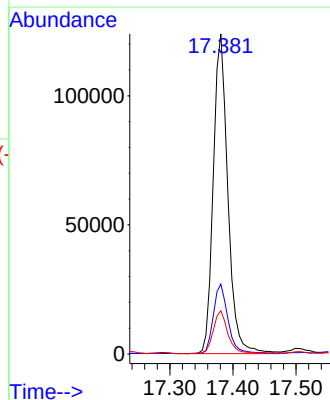
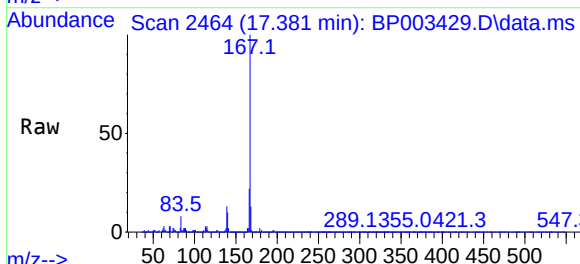
Manual Integrations
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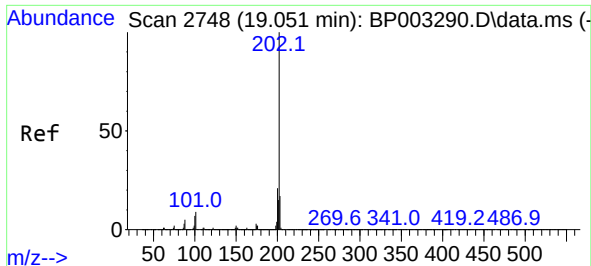
mohammad
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#73
 Carbazole
 Concen: 6.08 ng
 RT: 17.381 min Scan# 2464
 Delta R.T. 0.018 min
 Lab File: BP003429.D
 Acq: 01 Oct 2020 00:01

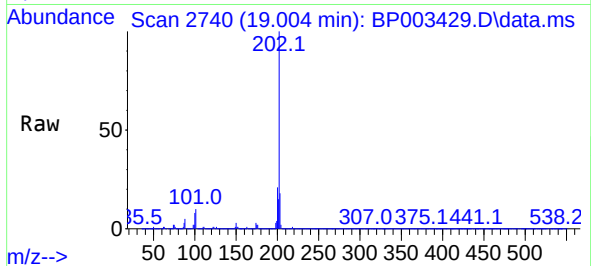
Tgt Ion:	167	Resp:	198573
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.6	26.4
139	13.5	10.2	15.4





#75
Fluoranthene
Concen: 39.89 ng
RT: 19.004 min Scan# 2740
Delta R.T. 0.024 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

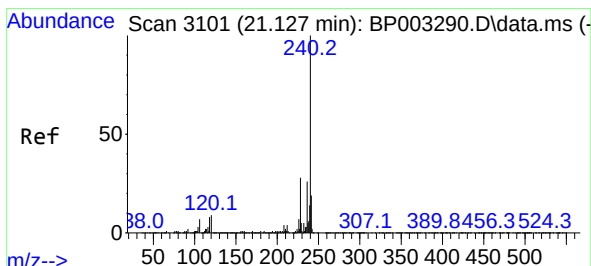
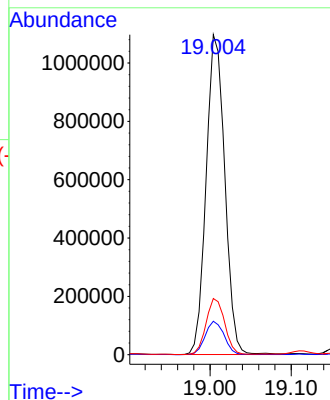
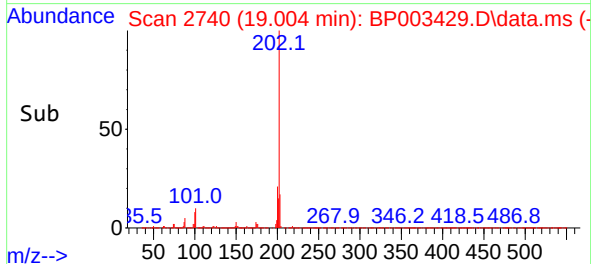
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL



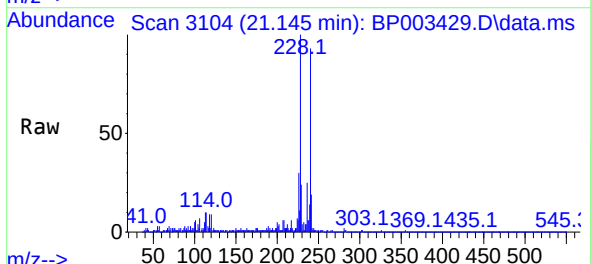
Tgt Ion:202 Resp: 1750467
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.4
203 17.5 0.0 37.8

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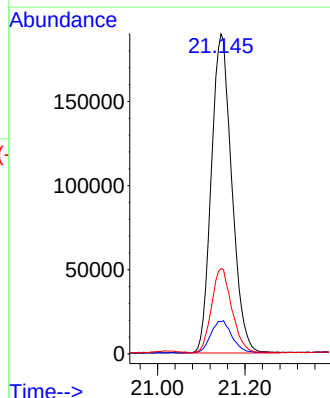
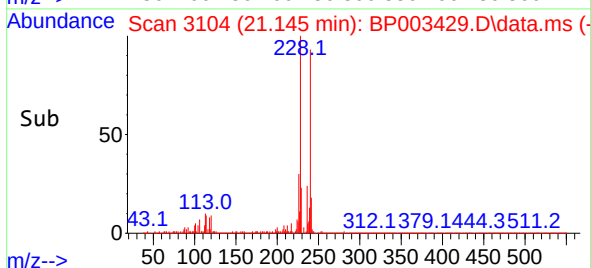
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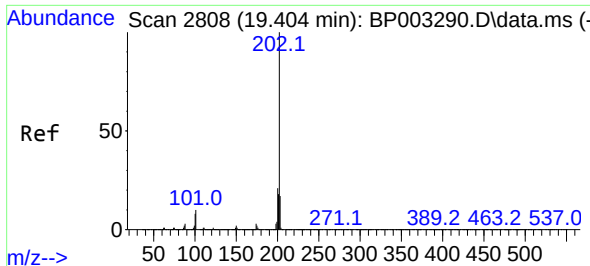


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.145 min Scan# 3104
Delta R.T. 0.082 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01



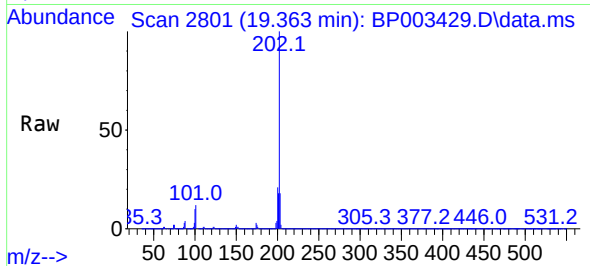
Tgt Ion:240 Resp: 614607
Ion Ratio Lower Upper
240 100
120 10.1 7.8 11.6
236 26.7 20.8 31.2





#78
Pyrene
Concen: 35.94 ng
RT: 19.363 min Scan# 2801
Delta R.T. 0.029 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

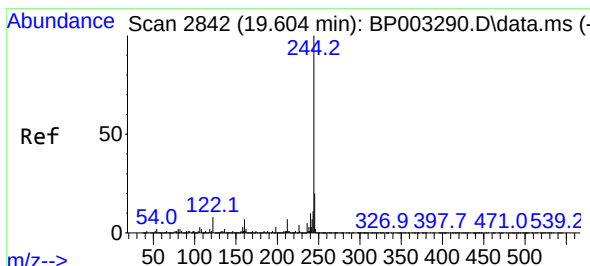
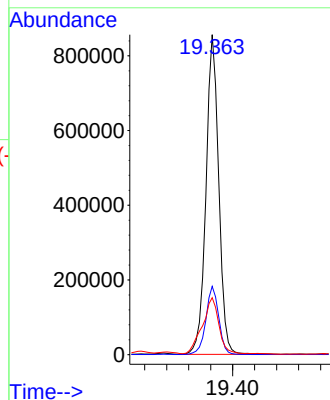
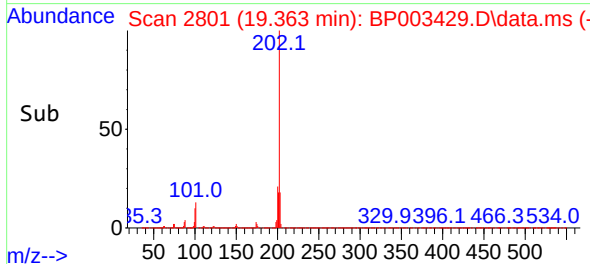
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL



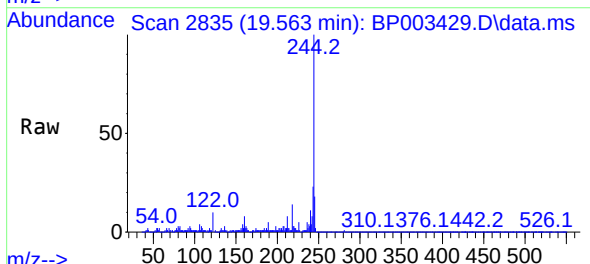
Tgt Ion:202 Resp: 1377552
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.8 14.2 21.2

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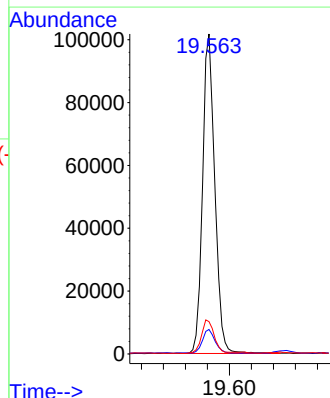
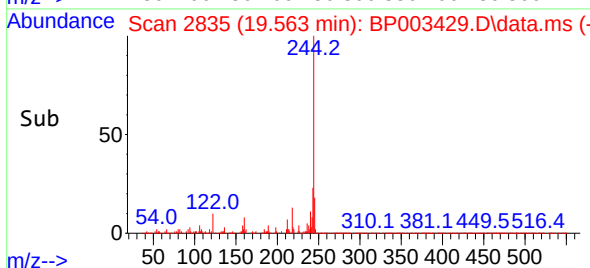
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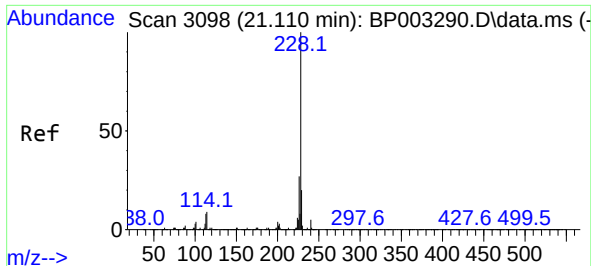


#79
Terphenyl-d14
Concen: 5.32 ng
RT: 19.563 min Scan# 2835
Delta R.T. 0.029 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01



Tgt Ion:244 Resp: 157071
Ion Ratio Lower Upper
244 100
212 7.7 5.8 8.6
122 10.1 7.8 11.8





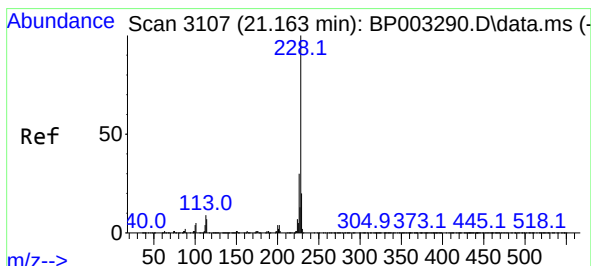
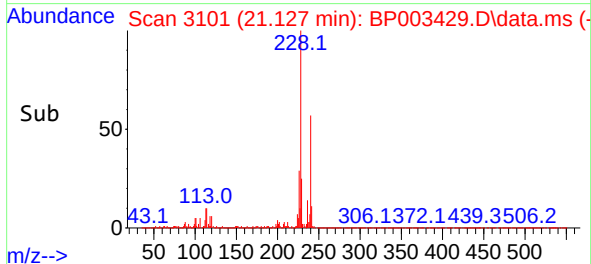
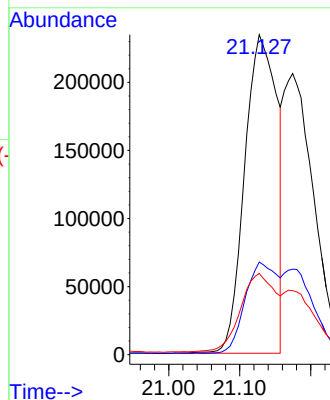
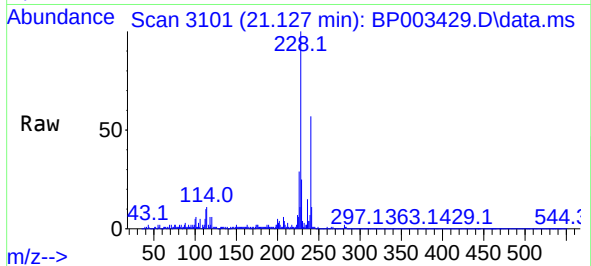
#81
Benzo(a)anthracene
Concen: 18.60 ng
RT: 21.127 min Scan# 3101
Delta R.T. 0.082 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:228 Resp: 738808
Ion Ratio Lower Upper
228 100
226 29.0 22.1 33.1
229 25.4 15.9 23.9#

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

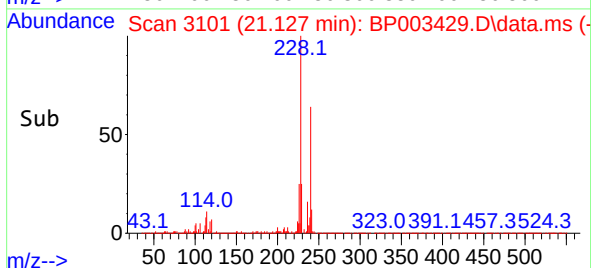
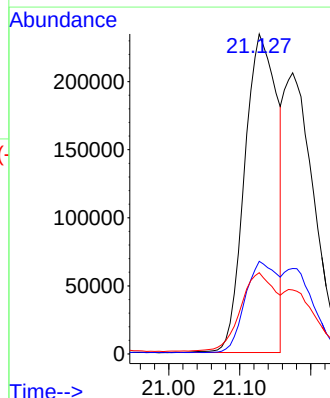
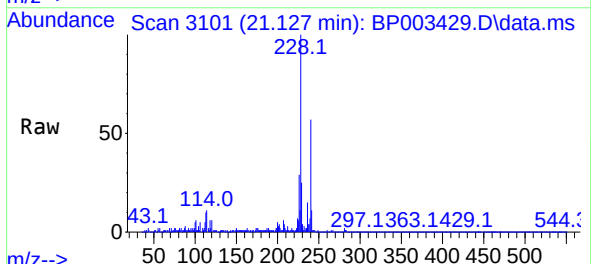
Manual Integrations
APPROVED

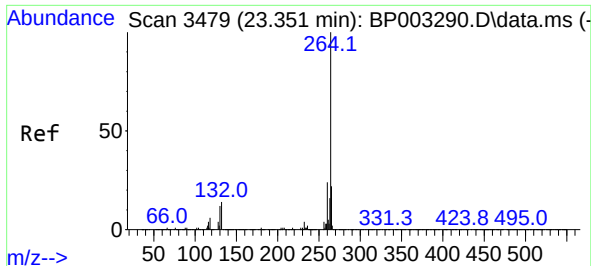
mohammad
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#83
Chrysene
Concen: 19.36 ng
RT: 21.127 min Scan# 3101
Delta R.T. 0.029 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

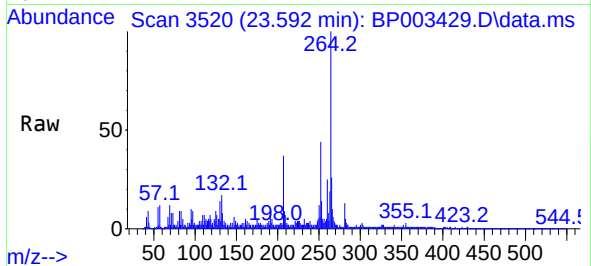
Tgt Ion:228 Resp: 738808
Ion Ratio Lower Upper
228 100
226 29.0 24.4 36.6
229 25.4 15.8 23.6#





#86
Perylene-d12
Concen: 20.00 ng m
RT: 23.592 min Scan# 3520
Delta R.T. 0.335 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

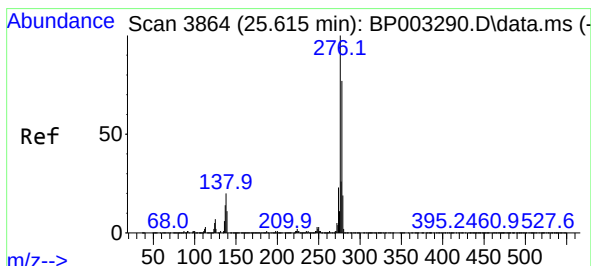
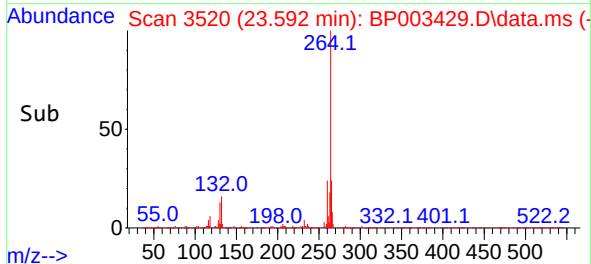
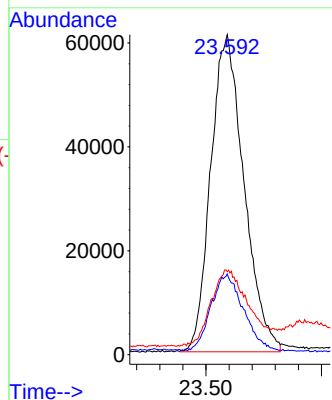
Instrument :
BNA_P
ClientSampled :
B-7(9-11)DL



Tgt Ion:264 Resp: 609551
Ion Ratio Lower Upper
264 100
260 25.3 18.8 28.2
265 26.0 17.4 26.2

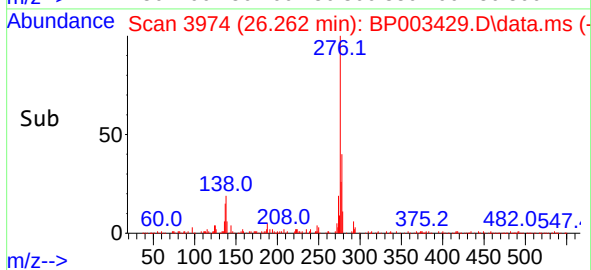
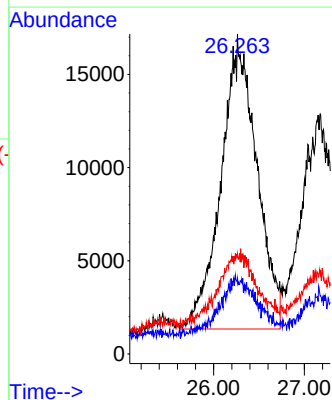
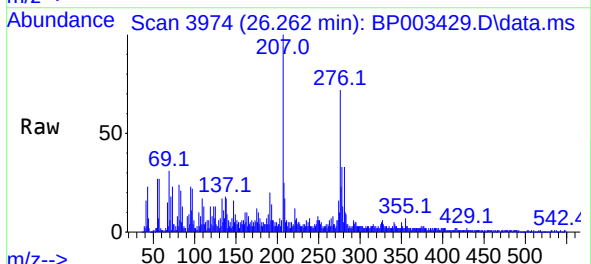
Manual Integrations
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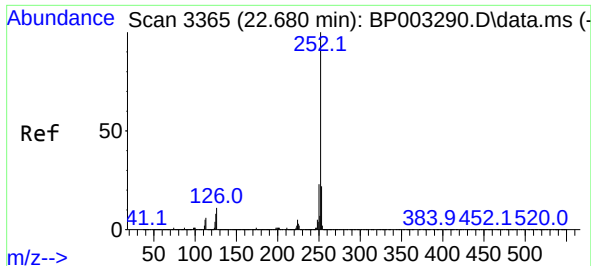
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 9.31 ng m
RT: 26.262 min Scan# 3974
Delta R.T. 0.765 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:276 Resp: 430211
Ion Ratio Lower Upper
276 100
138 0.0 18.7 28.1#
277 0.2 20.4 30.6#





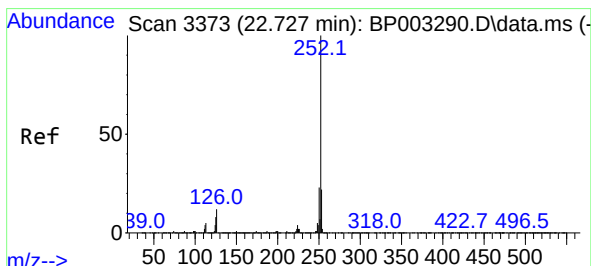
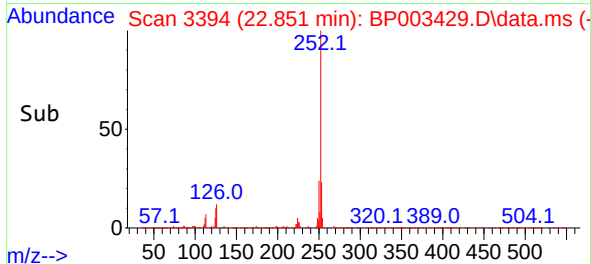
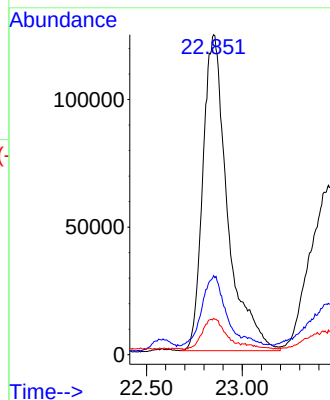
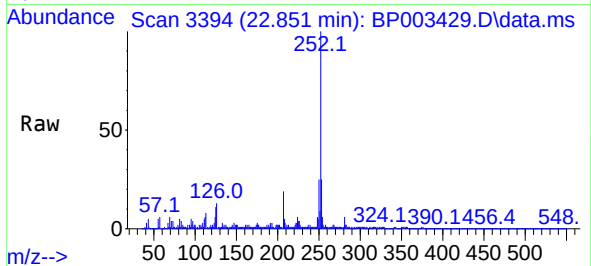
#88
Benzo(b)fluoranthene
Concen: 28.80 ng
RT: 22.851 min Scan# 3394
Delta R.T. 0.259 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:252 Resp: 1108682
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 11.4 7.3 10.9#

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

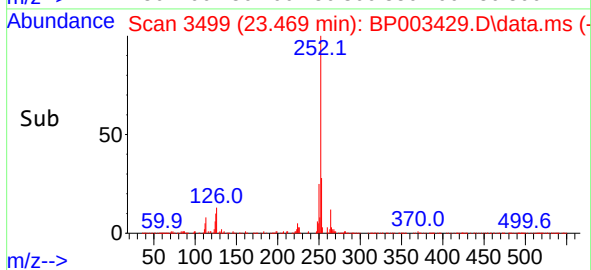
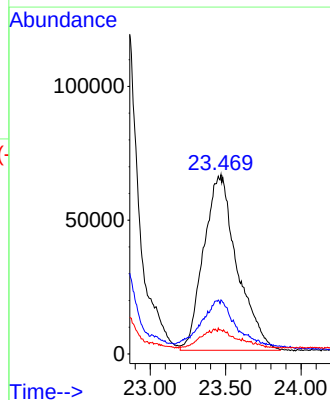
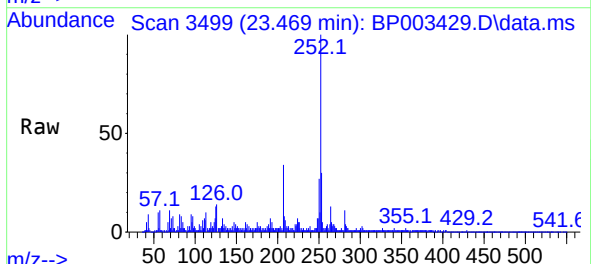
Manual Integrations
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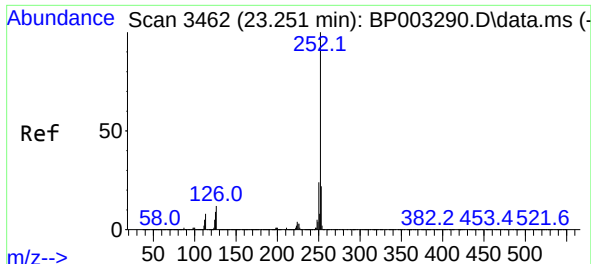
mohammad
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#89
Benzo(k)fluoranthene
Concen: 27.39 ng m
RT: 23.469 min Scan# 3499
Delta R.T. 0.823 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:252 Resp: 1010309
Ion Ratio Lower Upper
252 100
253 30.2 17.8 26.8#
125 13.3 7.4 11.2#



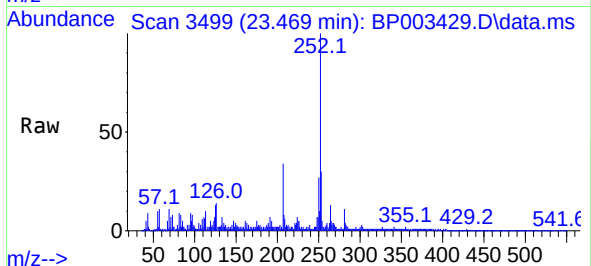


#90
Benzo(a)pyrene
Concen: 27.74 ng m
RT: 23.469 min Scan# 3499
Delta R.T. 0.306 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

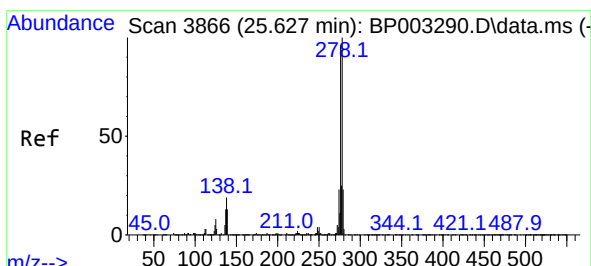
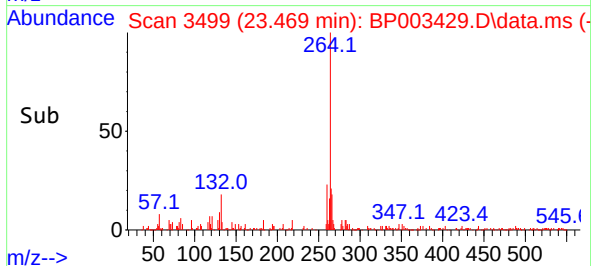
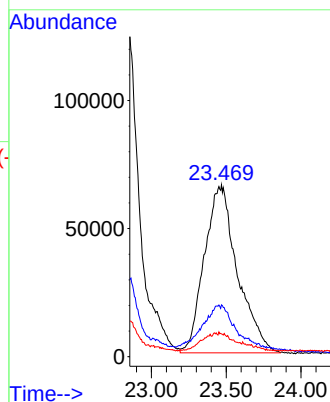
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

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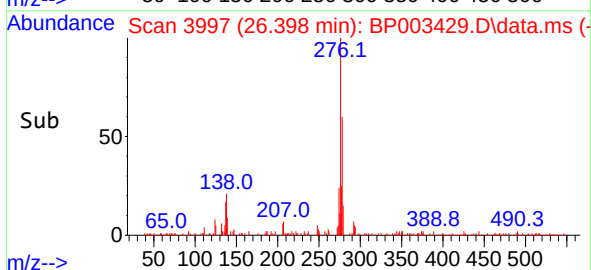
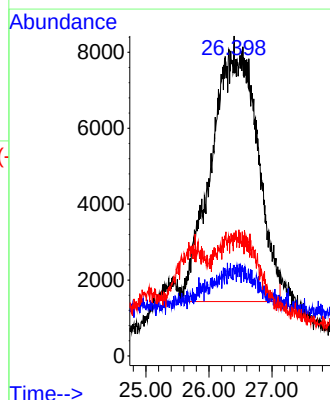
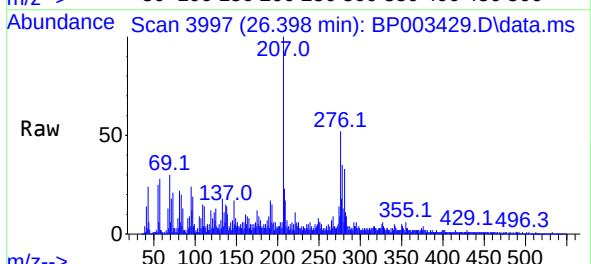


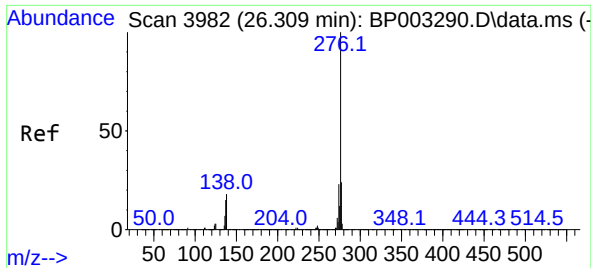
Tgt Ion:252 Resp: 1006891
Ion Ratio Lower Upper
252 100
253 30.2 17.4 26.0#
125 13.3 8.2 12.4#



#91
Dibenzo(a,h)anthracene
Concen: 8.94 ng m
RT: 26.398 min Scan# 3997
Delta R.T. 0.888 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

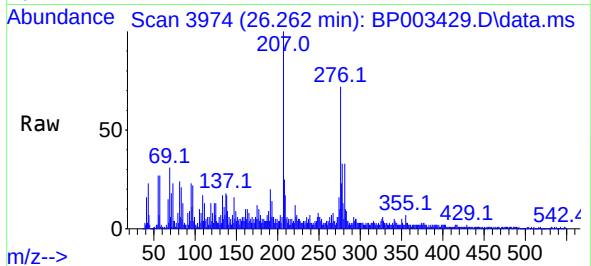
Tgt Ion:278 Resp: 341014
Ion Ratio Lower Upper
278 100
139 28.5 12.4 18.6#
279 38.6 19.0 28.6#





#92
Benzo(g,h,i)perylene
Concen: 11.45 ng m
RT: 26.262 min Scan# 3974
Delta R.T. 0.065 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL



Tgt Ion: 276 Resp: 435902
Ion Ratio Lower Upper
276 100
277 31.5 19.0 28.6#
138 23.7 16.6 24.8

Manual Integrations
APPROVED

mohammad
10/1/2020 1:33:57 PM

