

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070120\
 Data File : BP002615.D
 Acq On : 01 Jul 2020 21:20
 Operator : CG/JU
 Sample : L3157-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CB-D35

Manual Integrations
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Quant Time: Jul 02 02:26:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 29 16:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	330802	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	1324590	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	781835	20.00	ng	0.00
64) Phenanthrene-d10	16.98	188	1528839	20.00	ng	0.00
76) Chrysene-d12	21.09	240	926199	20.00	ng	0.00
86) Perylene-d12	23.29	264	859593	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1613659	82.59	ng	0.00
7) Phenol-d6	6.77	99	2245595	82.35	ng	0.00
23) Nitrobenzene-d5	8.72	82	1645677	64.02	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	731349	76.91	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	3230996	60.82	ng	0.00
79) Terphenyl-d14	19.57	244	3317398	77.31	ng	0.00

Target Compounds				Qvalue		
49) Acenaphthylene	13.93	152	177926	2.348	ng	98
50) Dimethylphthalate	13.68	163	620544	10.105	ng	100
70) Pentachlorophenol	16.65	266	768	2.732	ng	97
71) Phenanthrene	17.02	178	907116	11.028	ng	99
72) Anthracene	17.11	178	351347	4.292	ng	100
73) Carbazole	17.39	167	159534	2.017	ng	100
75) Fluoranthene	19.00	202	1315111	13.208	ng	97
78) Pyrene	19.36	202	1262197	20.021	ng	99
81) Benzo(a)anthracene	21.07	228	628568	10.381	ng	94
83) Chrysene	21.12	228	669639m	11.533	ng	
87) Indeno(1,2,3-cd)pyrene	25.50	276	445518	7.198	ng	99
88) Benzo(b)fluoranthene	22.63	252	853376	15.558	ng	# 97
89) Benzo(k)fluoranthene	22.67	252	280062m	5.473	ng	
90) Benzo(a)pyrene	23.19	252	539653	10.721	ng	# 96
91) Dibenzo(a,h)anthracene	25.50	278	119654	2.366	ng	# 76
92) Benzo(g,h,i)perylene	26.17	276	460723	9.109	ng	97

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

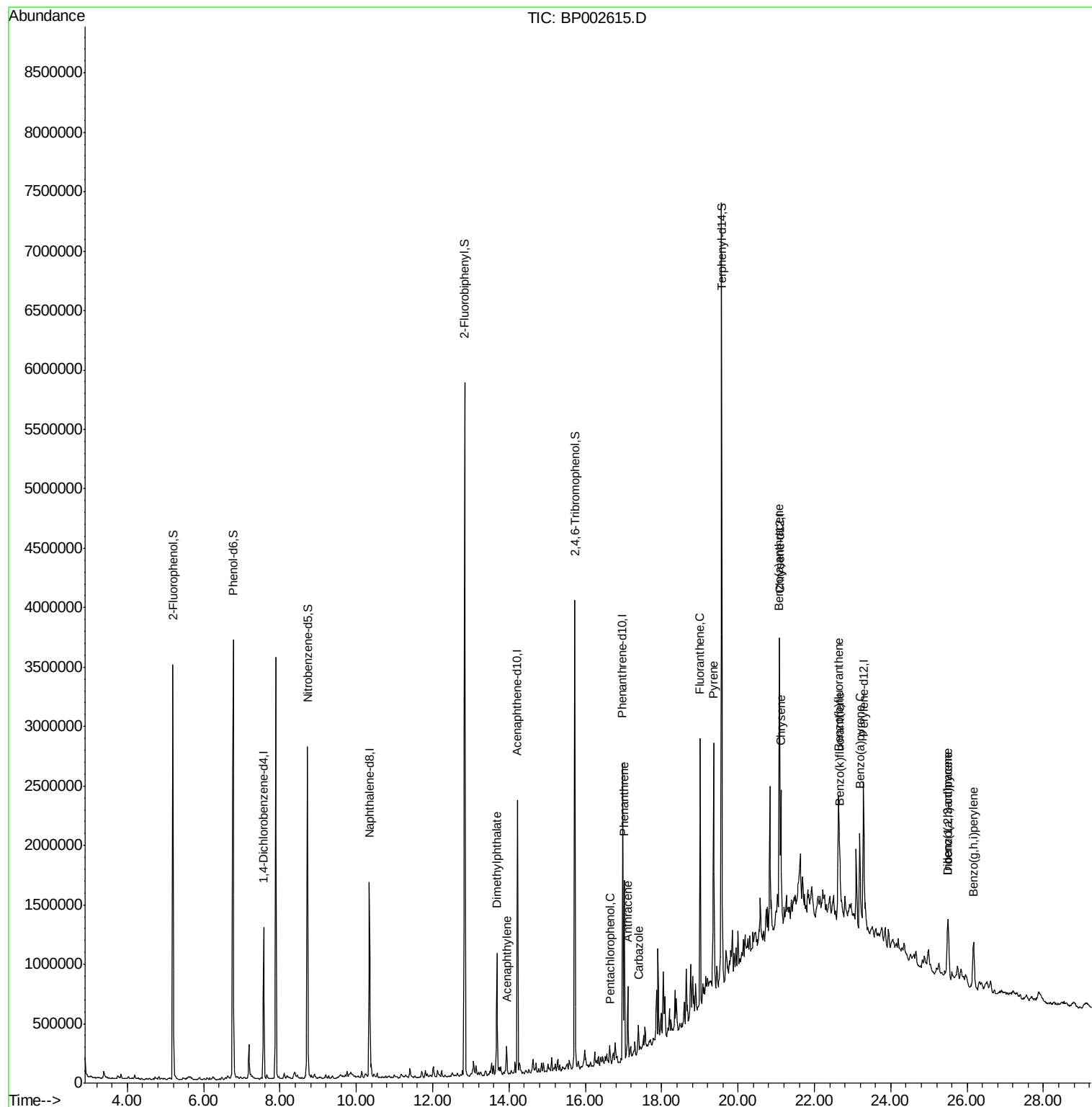
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070120\
Data File : BP002615.D
Acq On : 01 Jul 2020 21:20
Operator : CG/JU
Sample : L3157-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

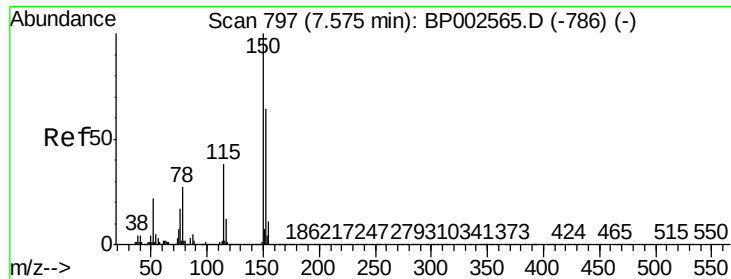
Instrument :
BNA_P
ClientSampleId :
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Quant Time: Jul 02 02:26:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 29 16:51:57 2020
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#1

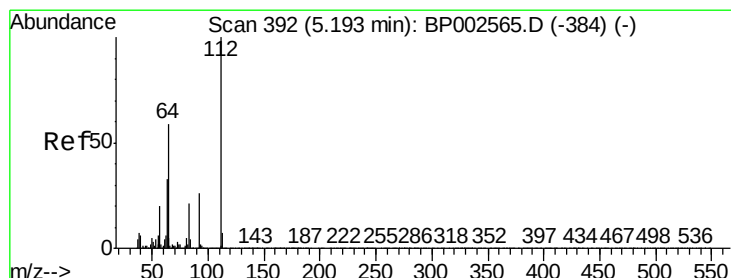
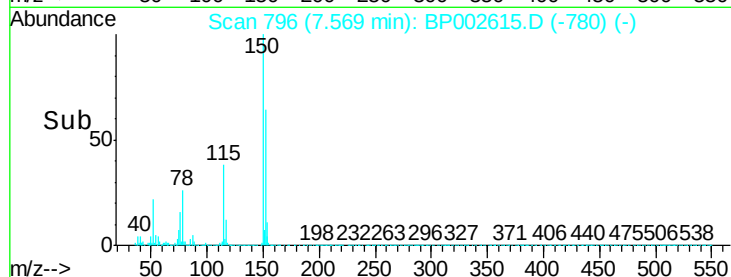
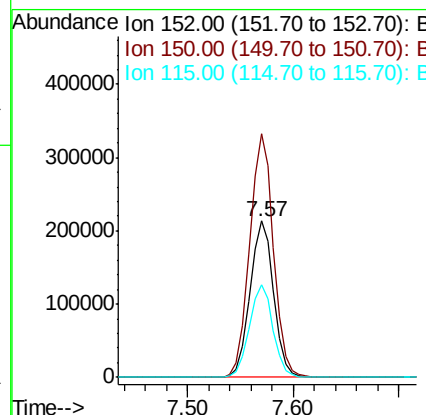
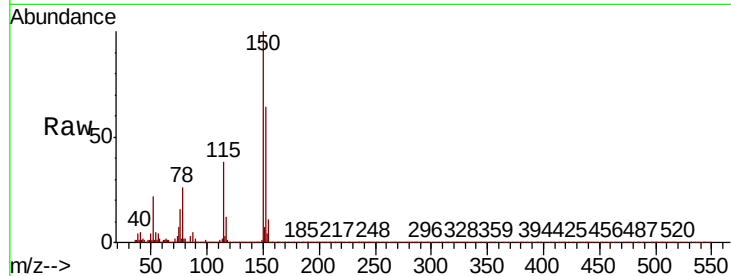
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Instrument :
BNA_P
ClientSampled :
CB-D35

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.2	186.2
115	59.6	47.1	70.7

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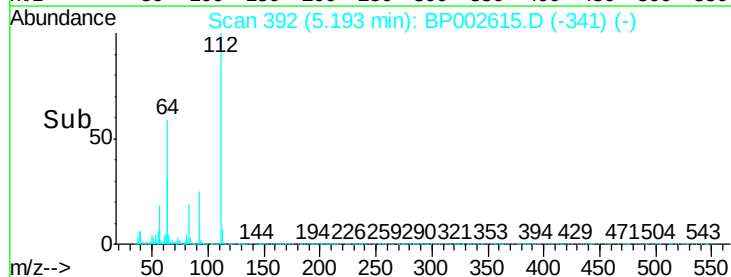
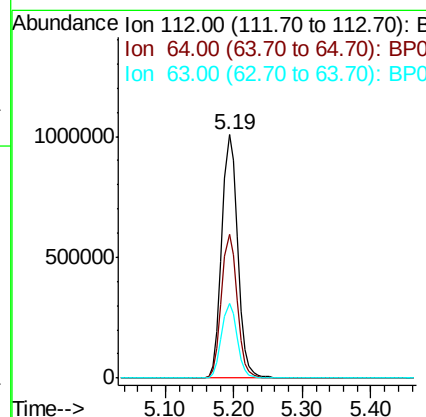
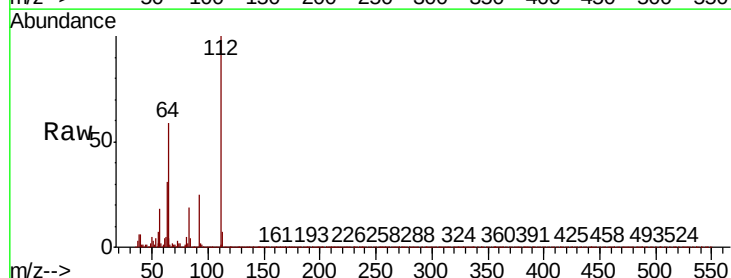
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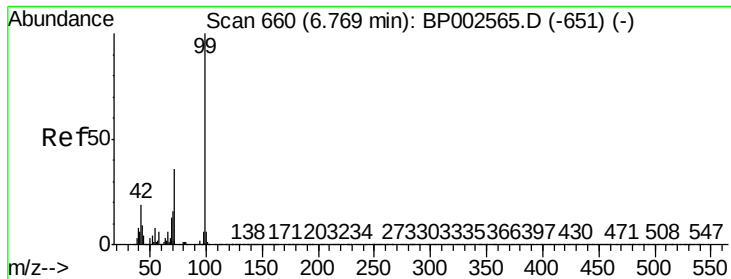


#5

2-Fluorophenol
Concen: 82.590 ng
RT: 5.19 min Scan# 392
Delta R.T. 0.00 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.0	70.6
63	30.6	26.1	39.1





#7

Phenol-d6

Concen: 82.346 ng

RT: 6.77 min Scan# 660

Delta R.T. 0.00 min

Lab File: BP002615.D

Acq: 01 Jul 2020 21:20

Instrument :

BNA_P

ClientSampleId :

CB-D35

Tot Ion: 99 Resp: 2245595

Ion Ratio Lower Upper

99 100

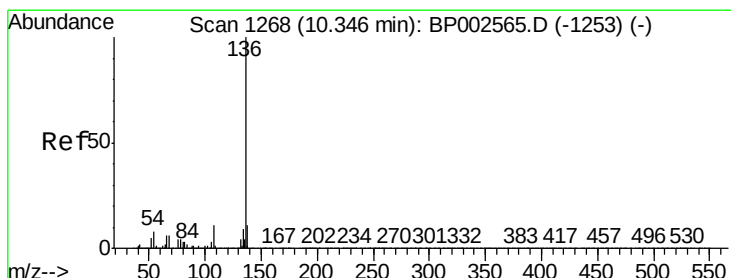
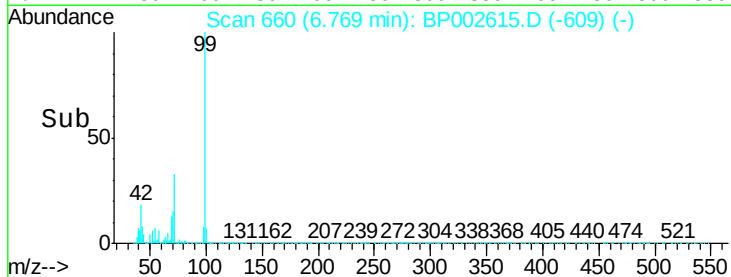
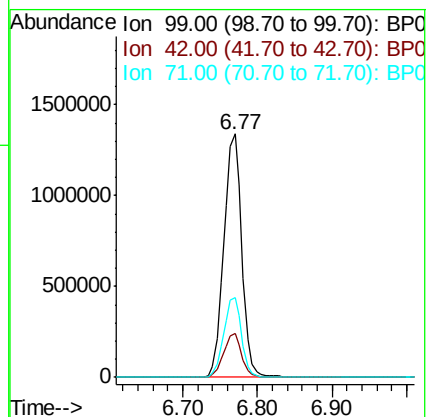
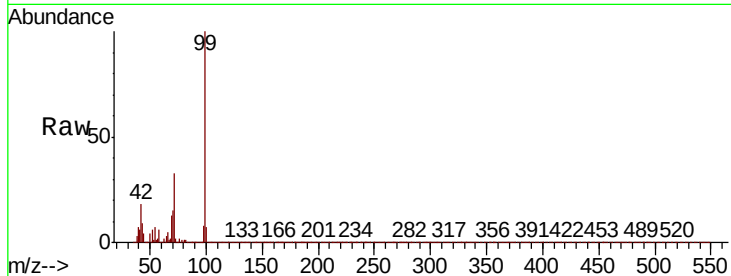
42 18.0 15.5 23.3

71 33.0 28.9 43.3

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BP002615.D

Acq: 01 Jul 2020 21:20

Tgt Ion: 136 Resp: 1324590

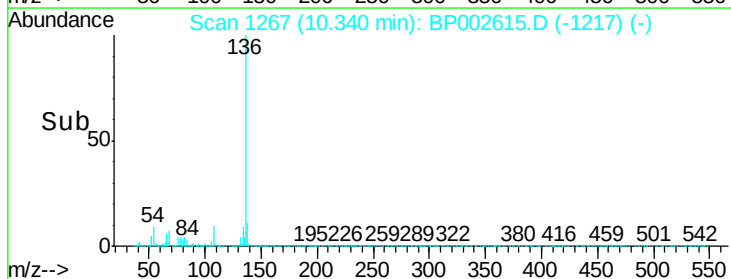
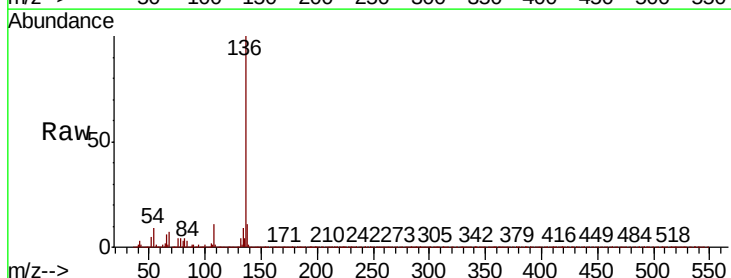
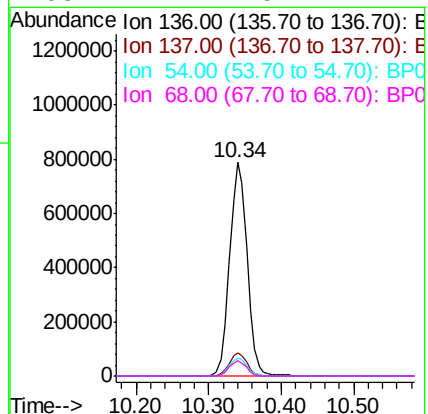
Ion Ratio Lower Upper

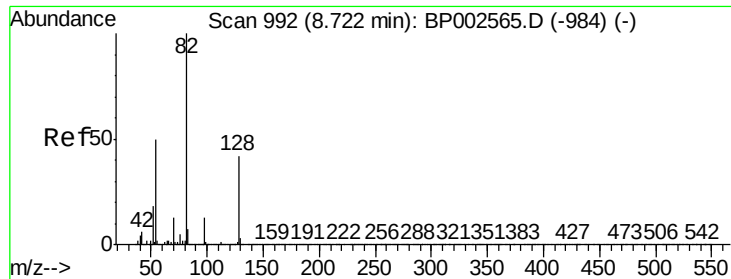
136 100

137 10.9 8.8 13.2

54 8.7 6.4 9.6

68 7.2 5.1 7.7





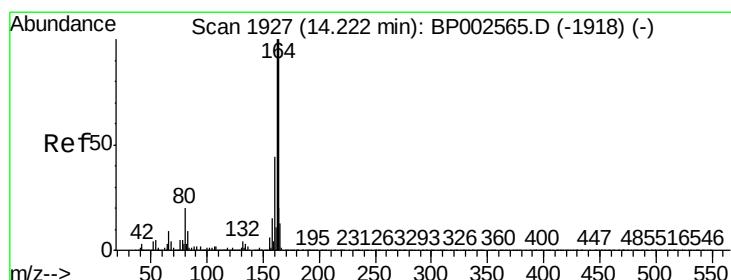
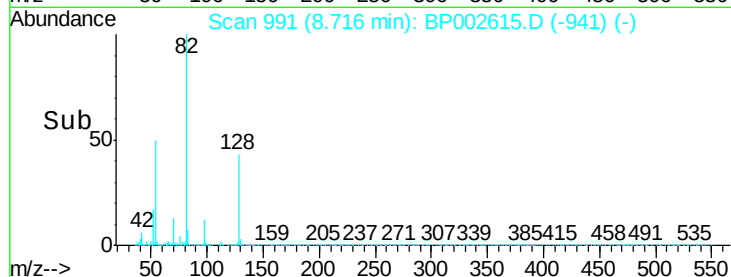
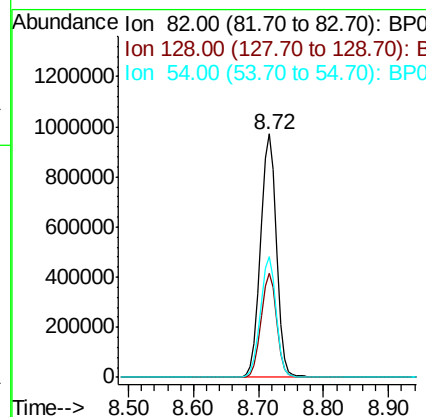
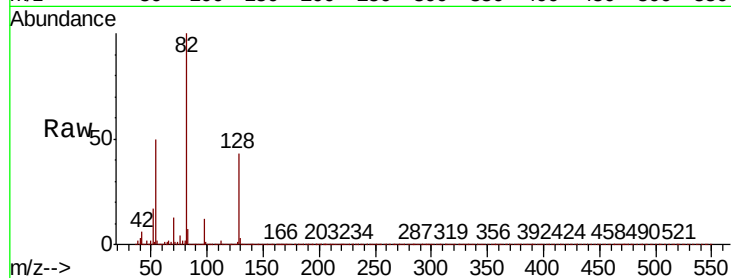
#23
Nitrobenzene-d5
Concen: 64.015 ng
RT: 8.72 min Scan# 991
Delta R.T. -0.01 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Instrument :
BNA_P
ClientSampleId :
CB-D35

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.4	50.2
54	49.7	40.1	60.1

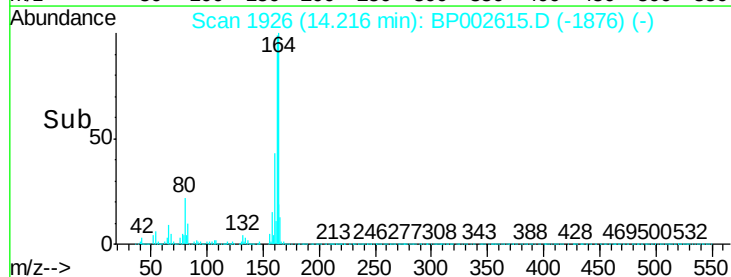
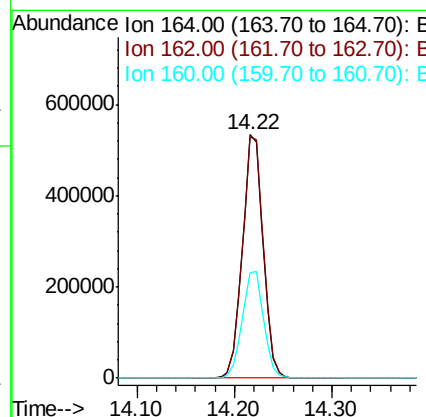
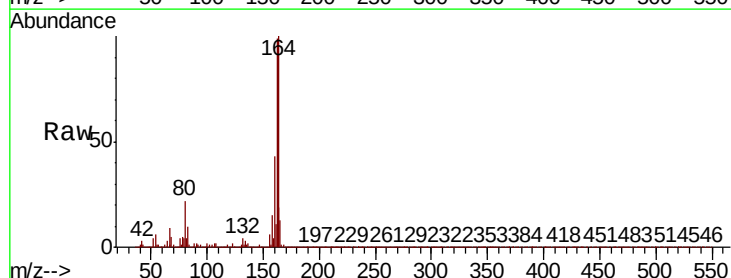
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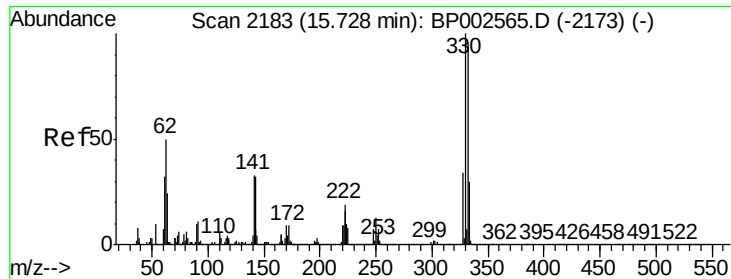
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.22 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.3	120.5
160	43.4	35.0	52.6





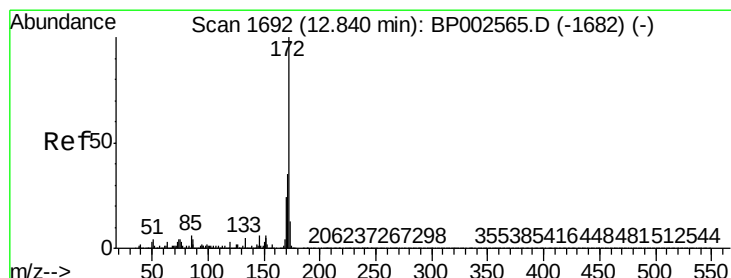
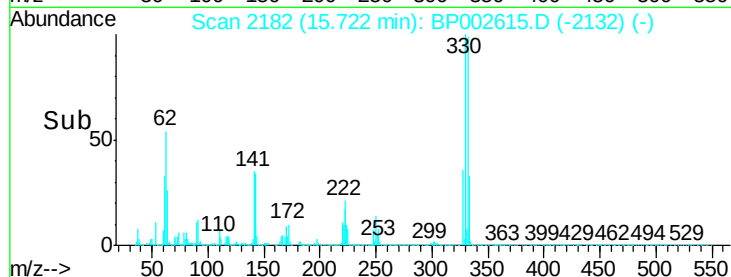
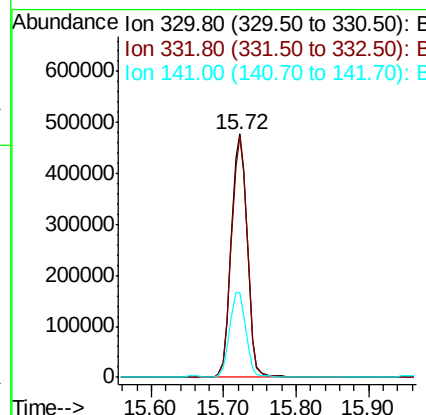
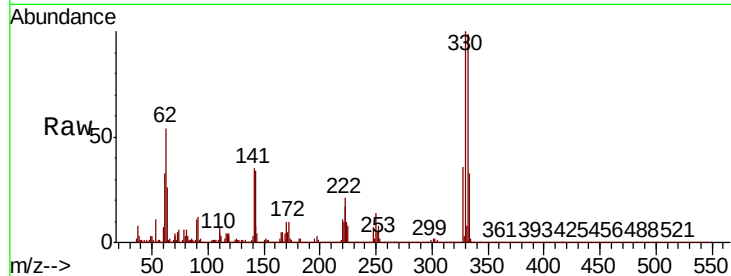
#42
 2,4,6-Tribromophenol
 Concen: 76.909 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BP002615.D
 Acq: 01 Jul 2020 21:20

Instrument :
 BNA_P
 ClientSampled :
 CB-D35

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.7	116.5
141	35.2	29.0	43.6

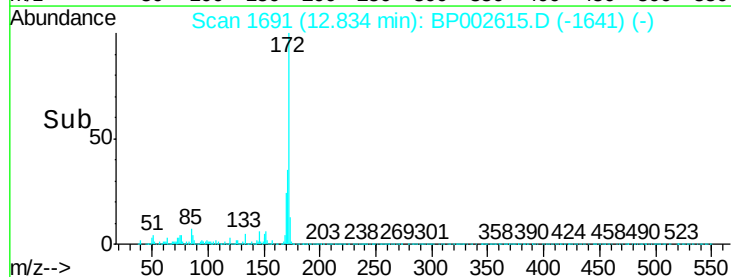
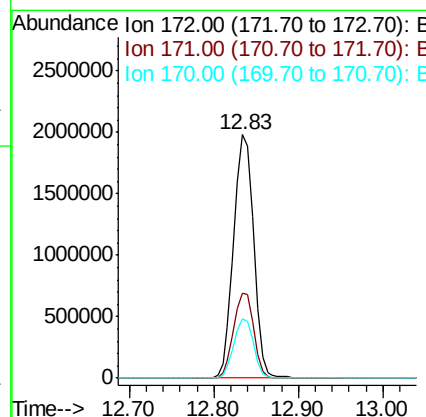
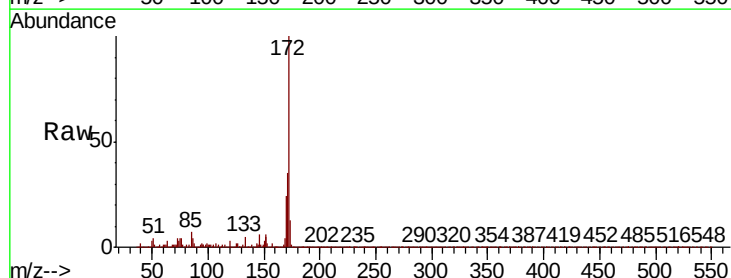
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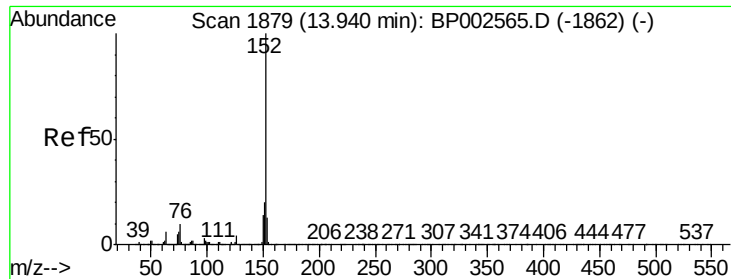
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#45
 2-Fluorobiphenyl
 Concen: 60.825 ng
 RT: 12.83 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BP002615.D
 Acq: 01 Jul 2020 21:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.0	42.0
170	24.4	19.0	28.4





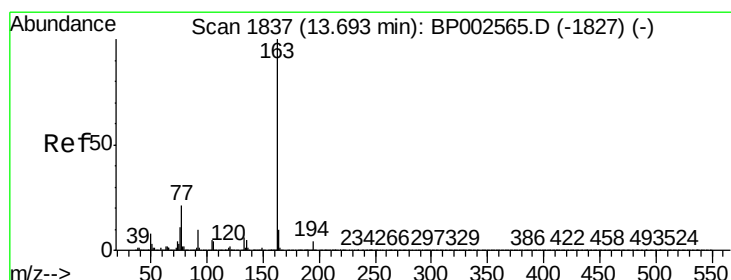
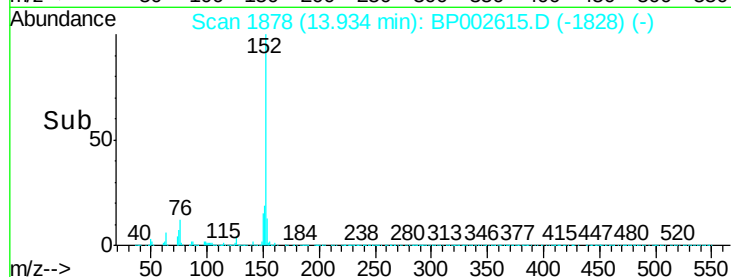
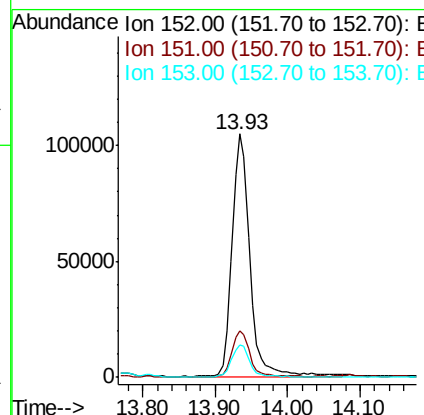
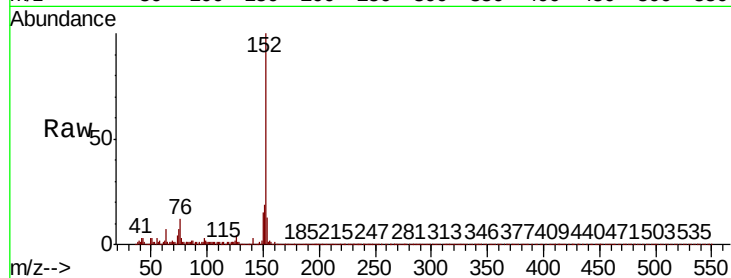
#49
Acenaphthylene
Concen: 2.348 ng
RT: 13.93 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Instrument :
BNA_P
ClientSampleId :
CB-D35

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		177926		
151	18.9	15.7	23.5		
153	13.5	10.2	15.2		

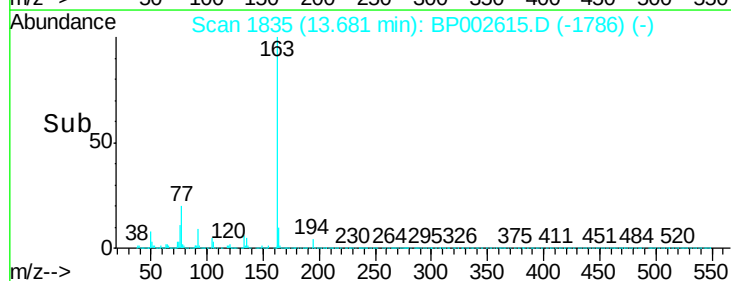
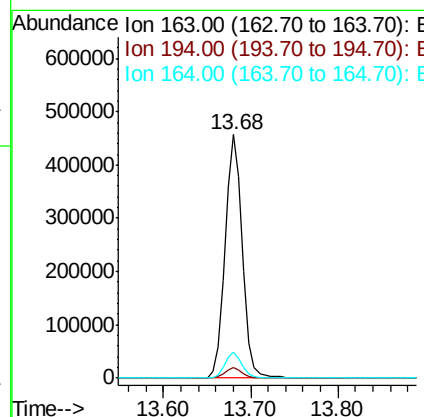
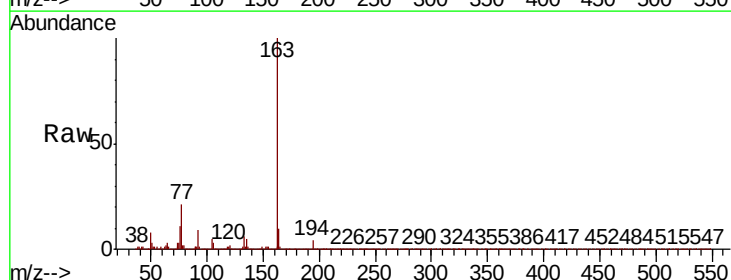
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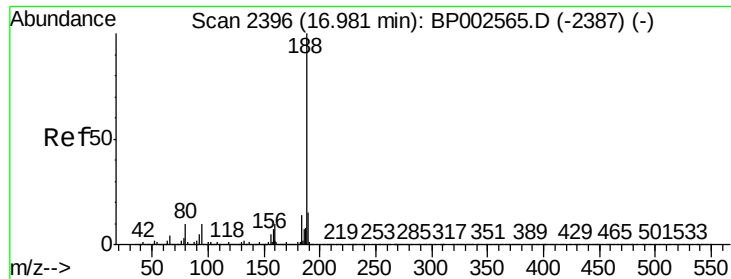
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#50
Dimethylphthalate
Concen: 10.105 ng
RT: 13.68 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		620544		
194	4.1	3.4	5.0		
164	10.4	8.2	12.4		





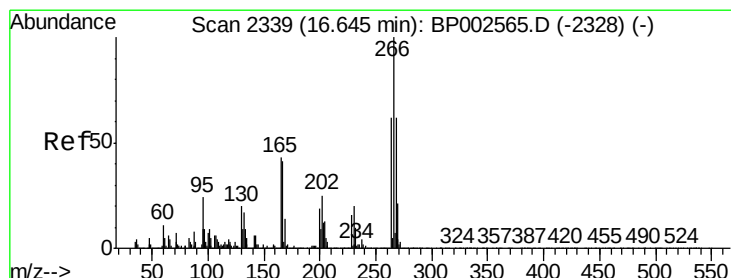
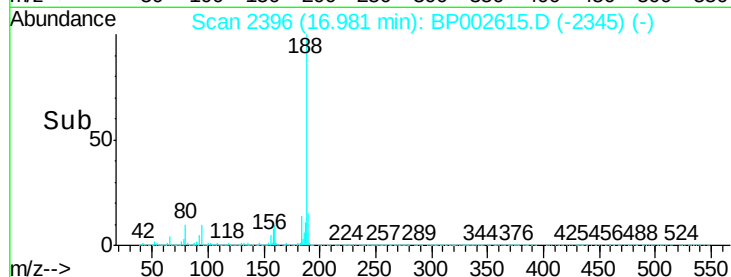
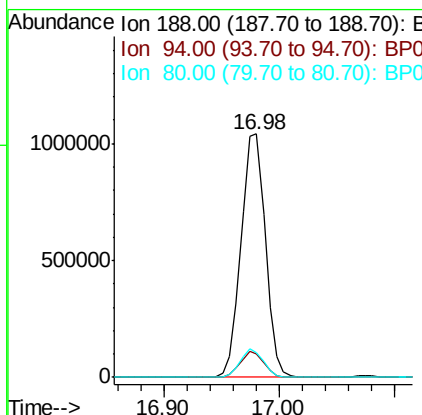
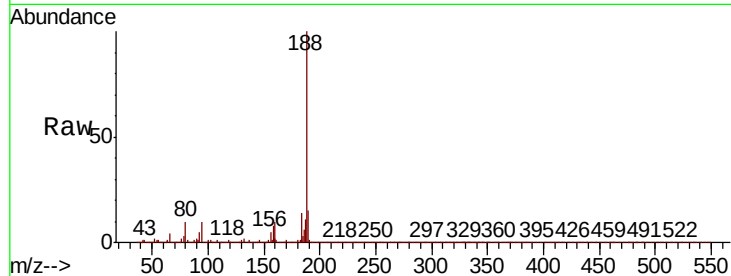
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.98 min Scan# 2396
Delta R.T. 0.00 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Instrument :
BNA_P
ClientSampled :
CB-D35

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.8	11.6
80	10.4	8.2	12.4

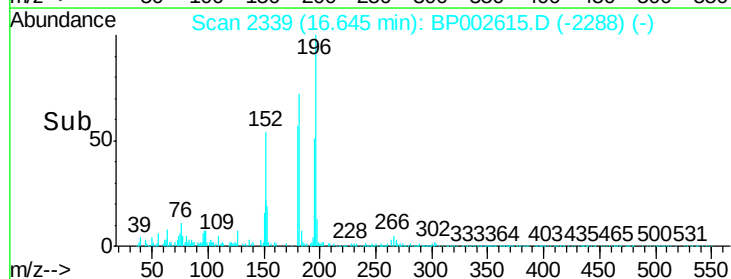
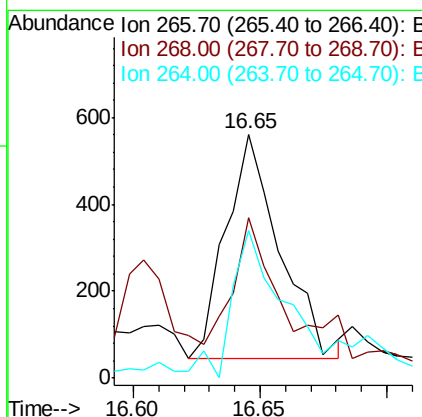
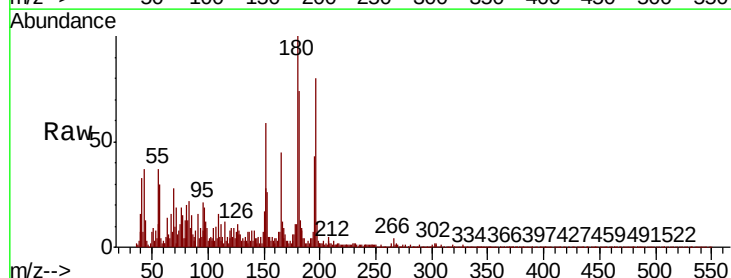
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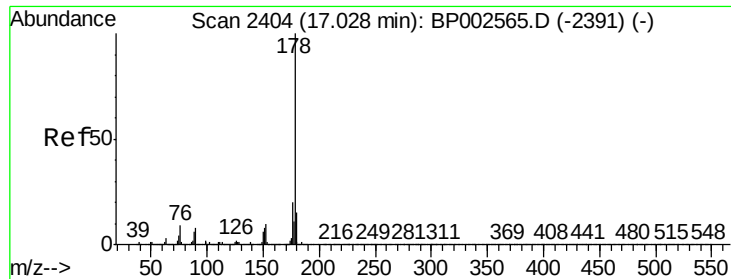
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#70
Pentachlorophenol
Concen: 2.732 ng
RT: 16.65 min Scan# 2339
Delta R.T. 0.00 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.8	49.7	74.5
264	60.8	49.3	73.9





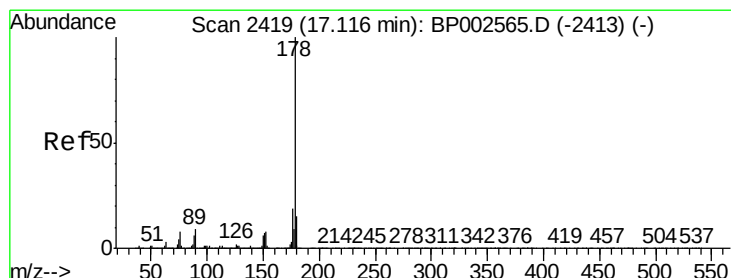
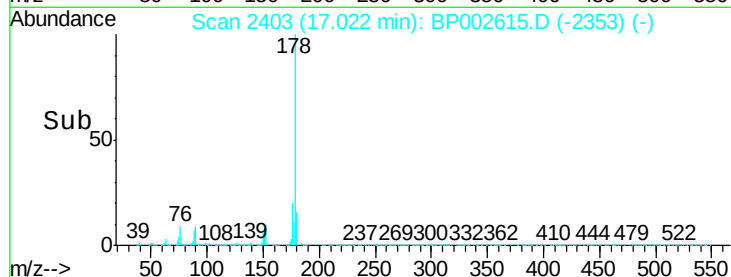
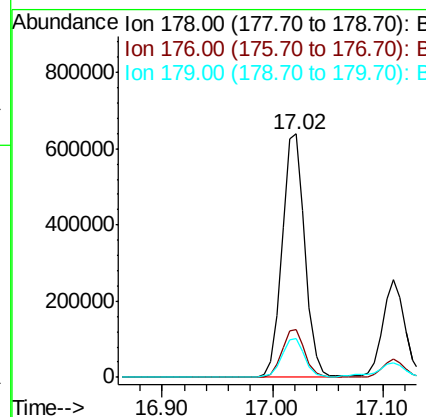
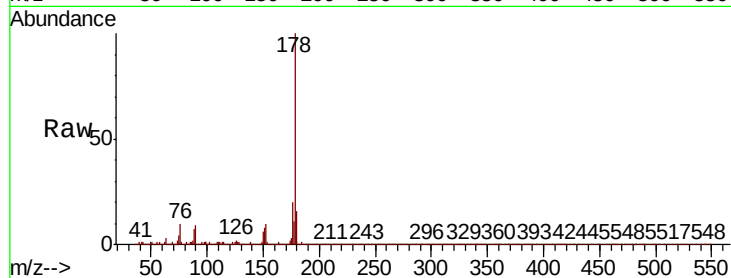
#71
Phenanthrene
Concen: 11.028 ng
RT: 17.02 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Instrument :
BNA_P
ClientSampleId :
CB-D35

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.8	12.1	18.1

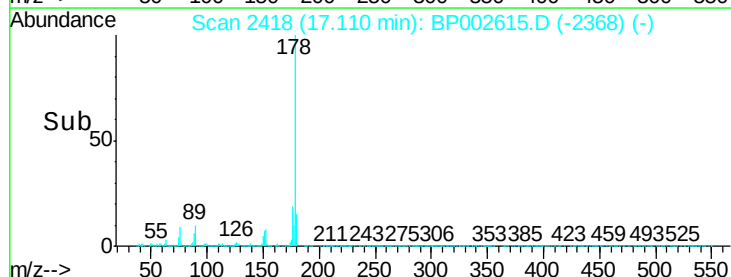
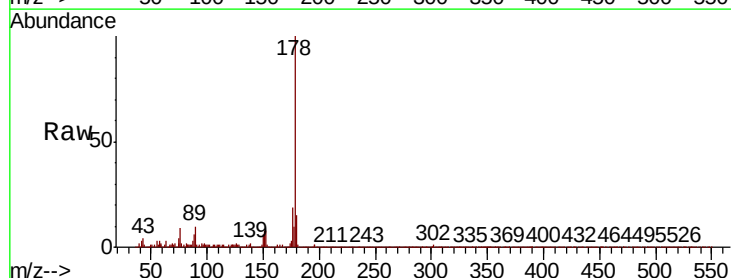
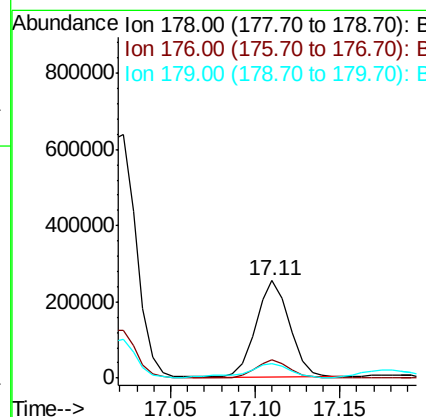
Manual Integrations
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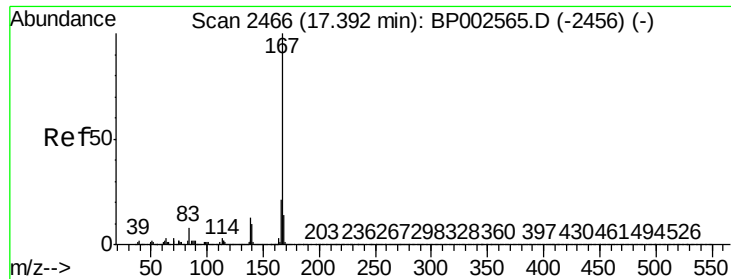
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#72
Anthracene
Concen: 4.292 ng
RT: 17.11 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.5	12.2	18.2





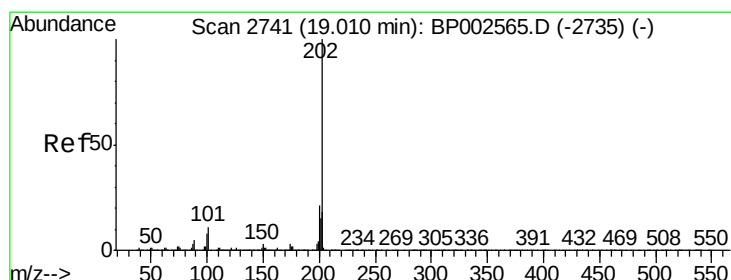
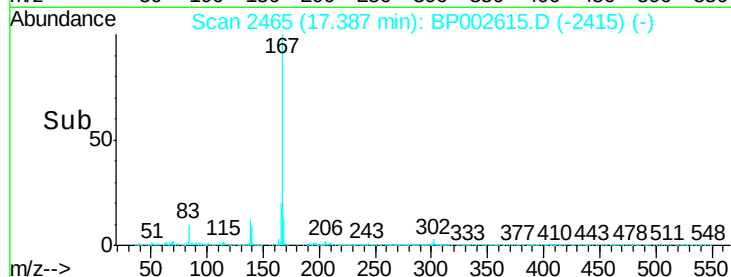
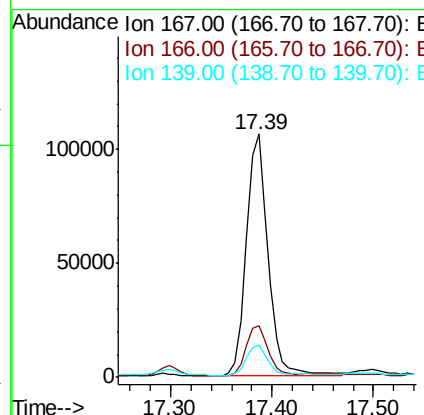
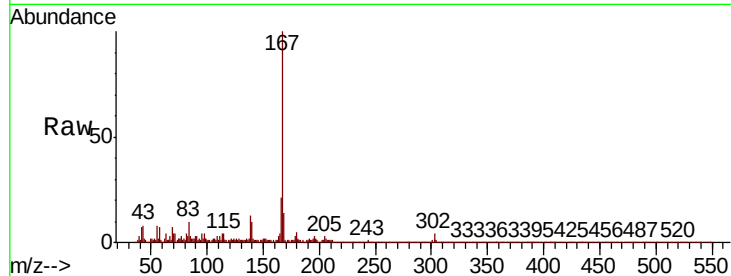
#73
 Carbazole
 Concen: 2.017 ng
 RT: 17.39 min Scan# 2465
 Delta R.T. -0.01 min
 Lab File: BP002615.D
 Acq: 01 Jul 2020 21:20

Instrument :
 BNA_P
 ClientSampled :
 CB-D35

Tot Ion:	167	Resp:	159534
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.1	25.7
139	13.2	10.5	15.7

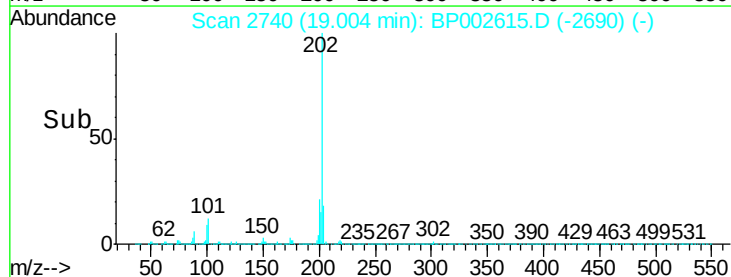
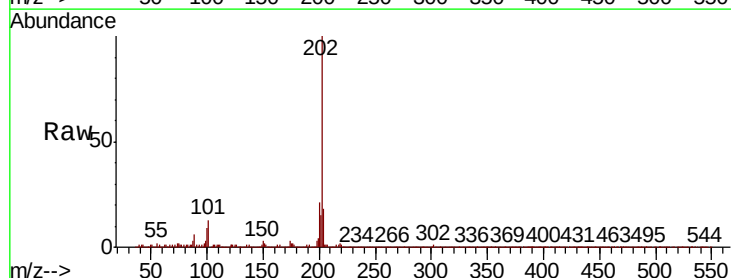
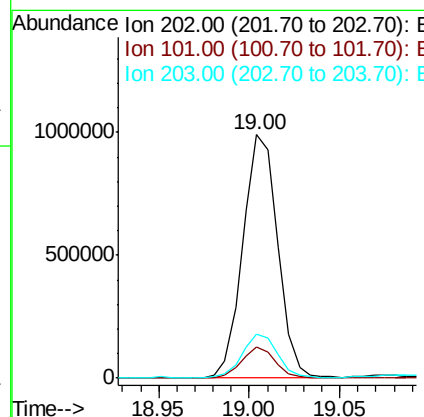
Manual Integrations
 APPROVED

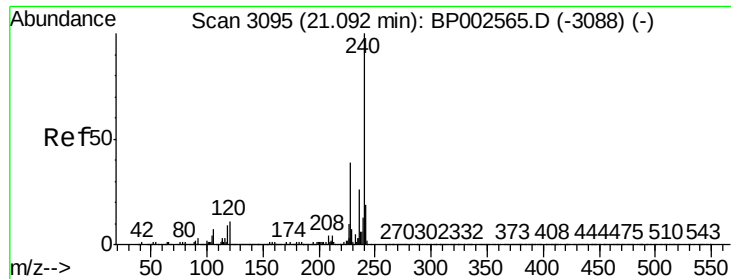
mohammad
 7/7/2020 8:23:37 AM



#75
 Fluoranthene
 Concen: 13.208 ng
 RT: 19.00 min Scan# 2740
 Delta R.T. -0.01 min
 Lab File: BP002615.D
 Acq: 01 Jul 2020 21:20

Tgt Ion:	202	Resp:	1315111
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	30.6
203	18.1	0.0	37.7





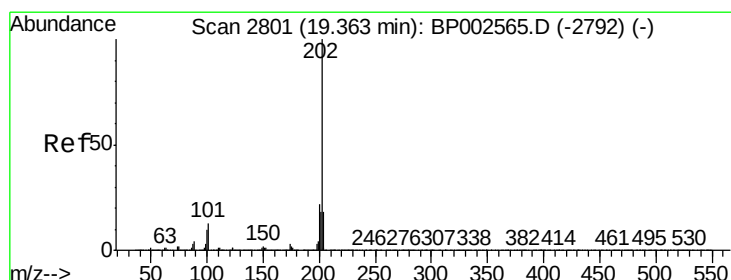
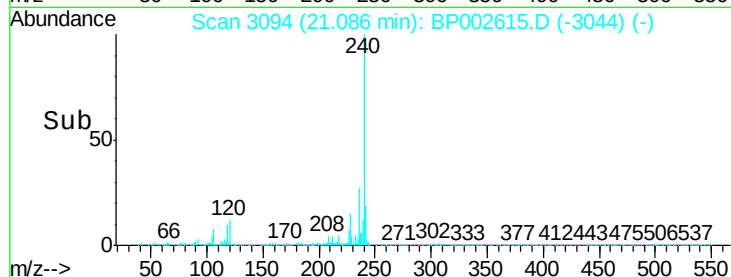
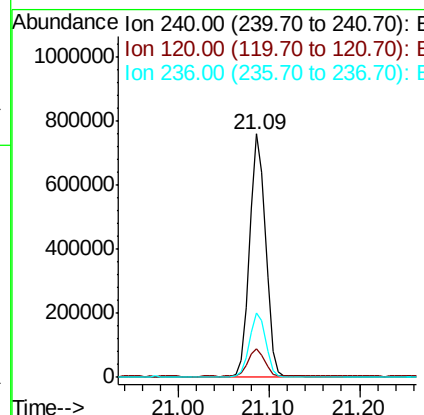
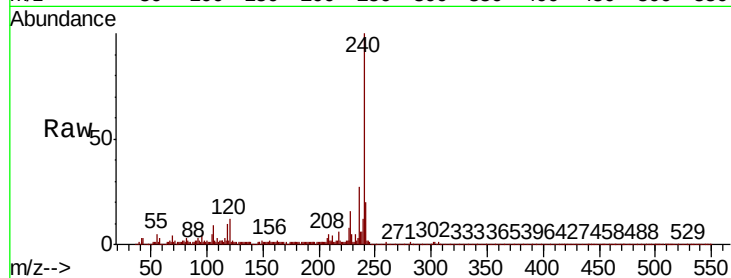
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Instrument :
BNA_P
ClientSampleId :
CB-D35

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.6	13.0
236	26.7	20.8	31.2

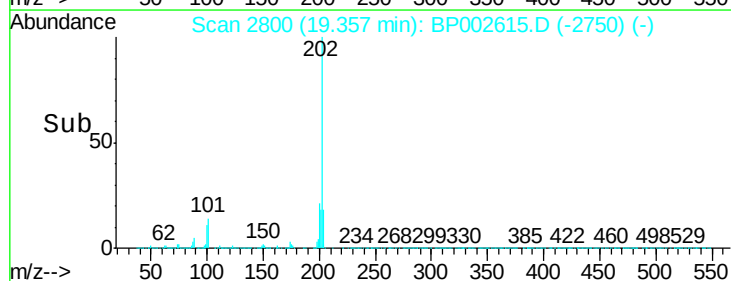
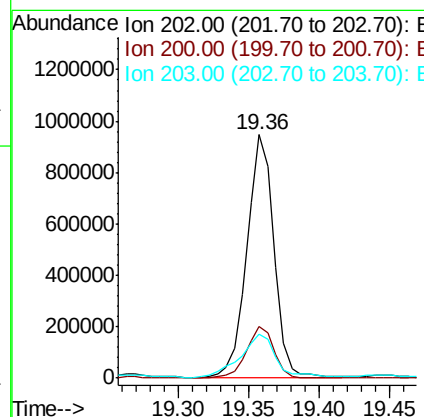
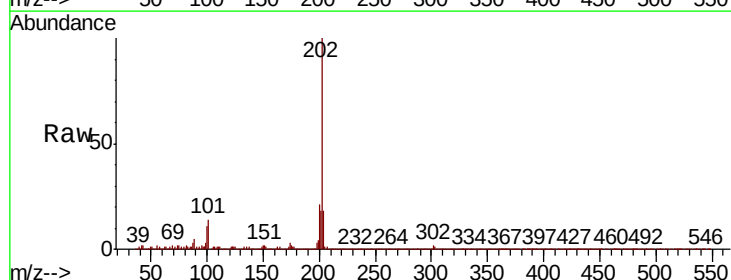
Manual Integrations
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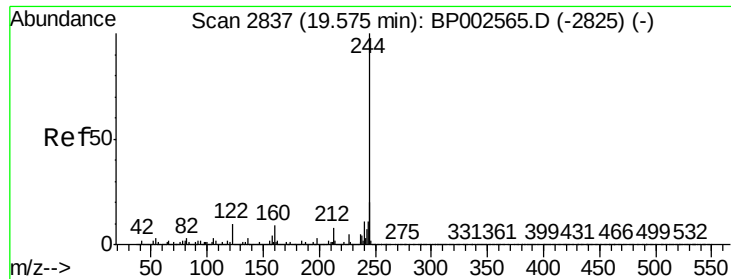
mohammad
7/7/2020 8:23:37 AM



#78
Pyrene
Concen: 20.021 ng
RT: 19.36 min Scan# 2800
Delta R.T. -0.01 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	18.0	14.4	21.6





#79

Terphenyl-d14

Concen: 77.311 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BP002615.D

Acq: 01 Jul 2020 21:20

Instrument :

BNA_P

ClientSampled :

CB-D35

Tot Ion:244 Resp: 3317398

Ion Ratio Lower Upper

244 100

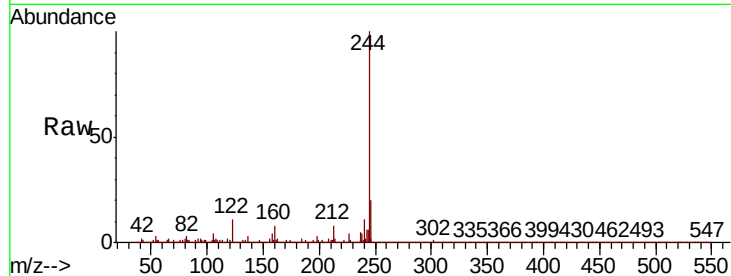
212 7.8 6.5 9.7

122 10.5 7.9 11.9

Manual Integrations
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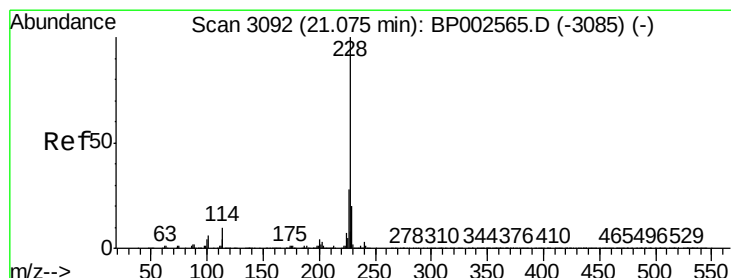
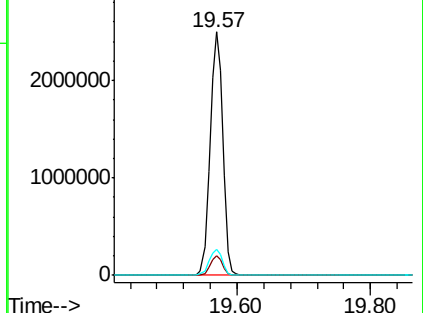
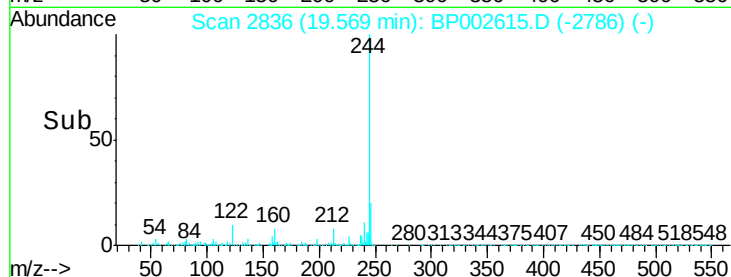
7/7/2020 8:23:37 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 10.381 ng

RT: 21.07 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BP002615.D

Acq: 01 Jul 2020 21:20

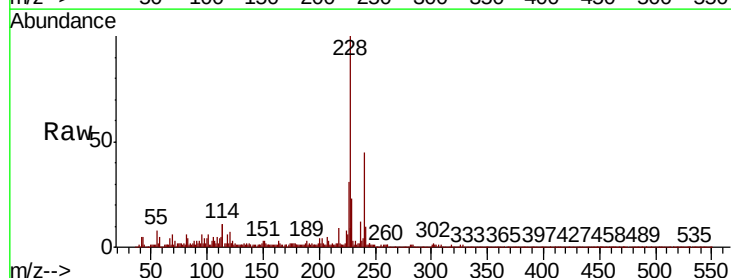
Tgt Ion:228 Resp: 628568

Ion Ratio Lower Upper

228 100

226 31.5 22.5 33.7

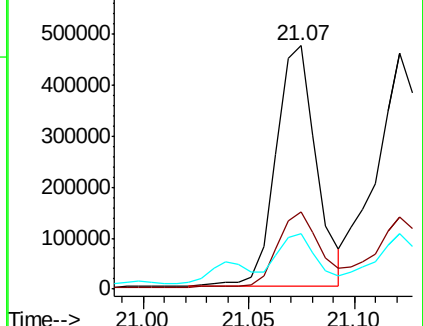
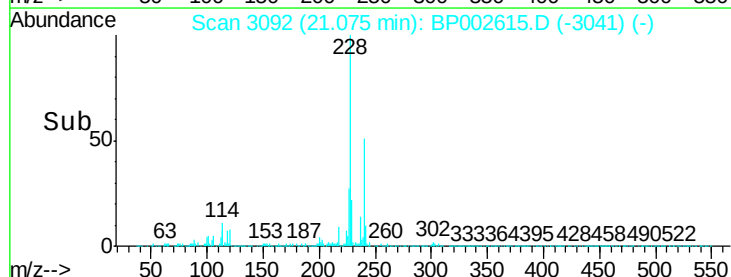
229 22.8 16.4 24.6

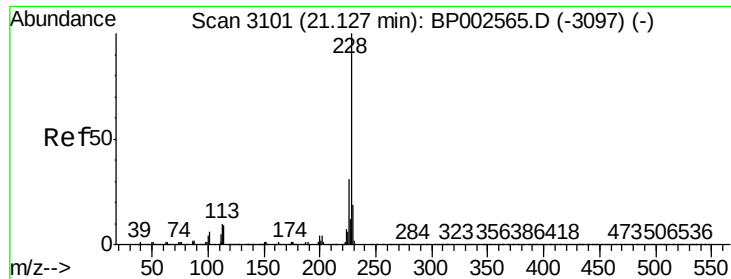


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





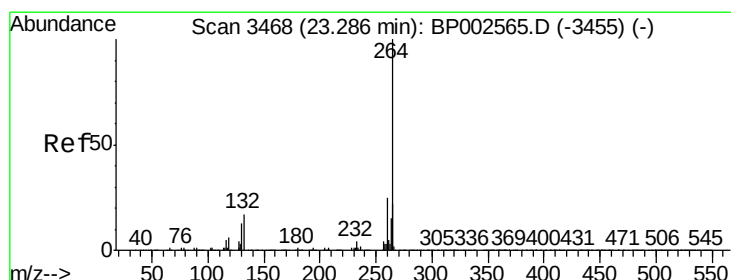
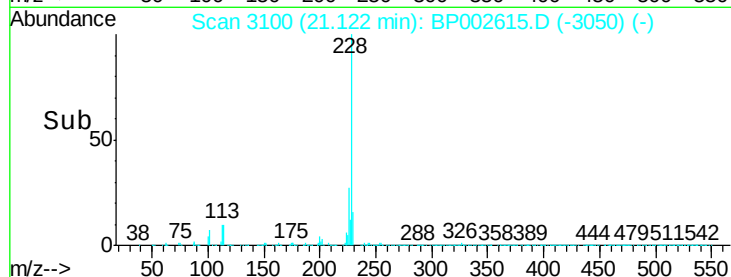
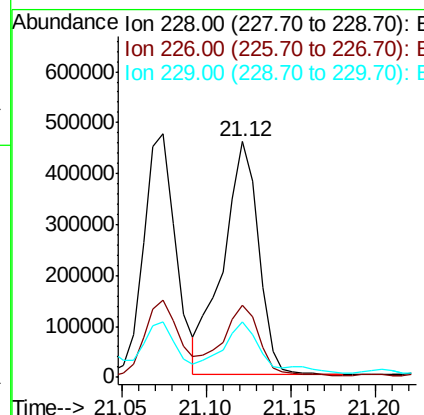
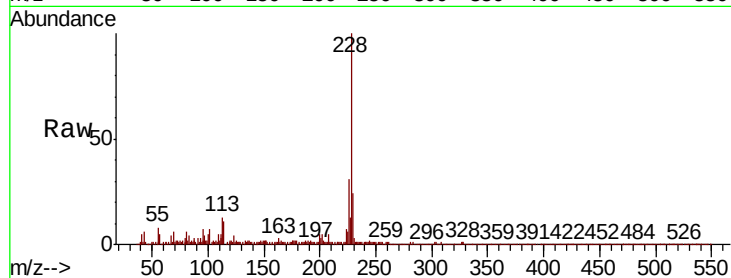
#83
Chrysene
Concen: 11.533 ng m
RT: 21.12 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Instrument :
BNA_P
ClientSampleId :
CB-D35

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	37.0
229	23.7	15.6	23.4

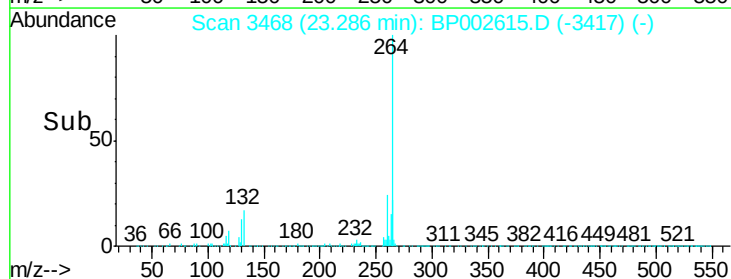
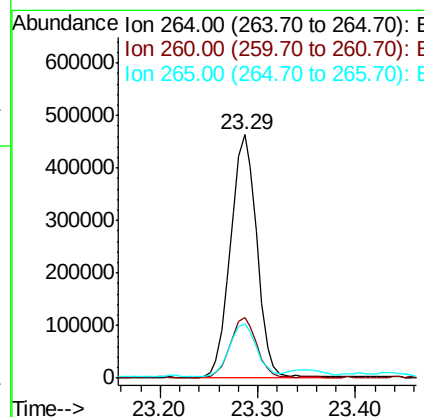
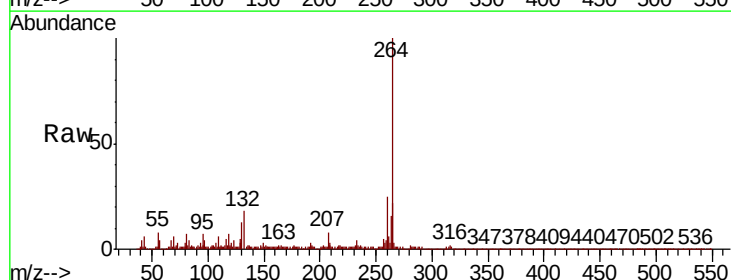
Manual Integrations
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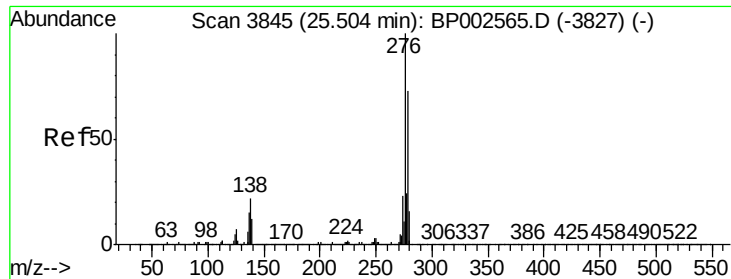
mohammad
7/7/2020 8:23:37 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3468
Delta R.T. 0.00 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.2	17.6	26.4





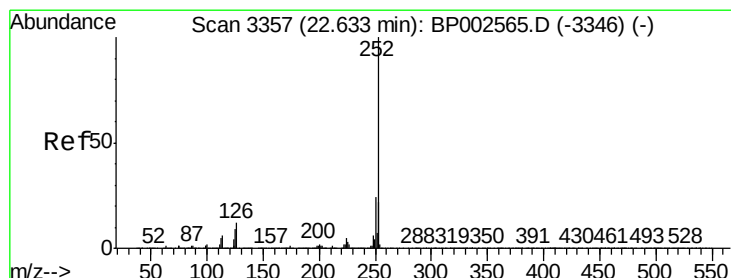
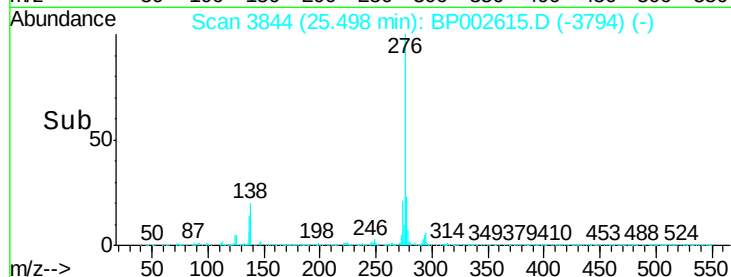
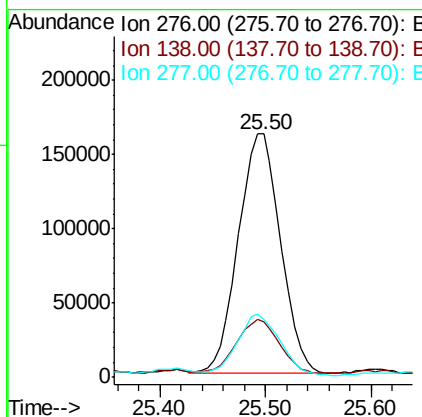
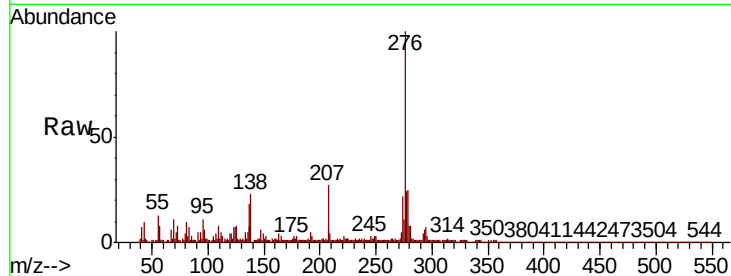
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.198 ng
 RT: 25.50 min Scan# 3844
 Delta R.T. -0.01 min
 Lab File: BP002615.D
 Acq: 01 Jul 2020 21:20

Instrument :
 BNA_P
 ClientSampleId :
 CB-D35

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.6	27.8
277	25.6	20.1	30.1

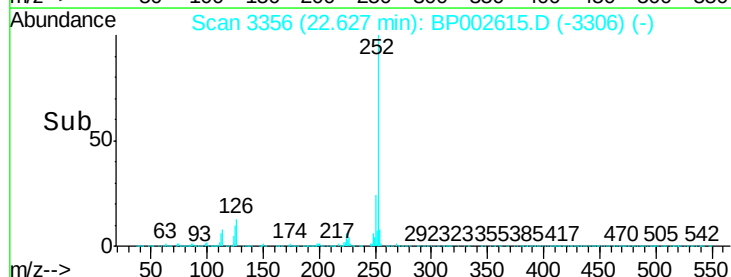
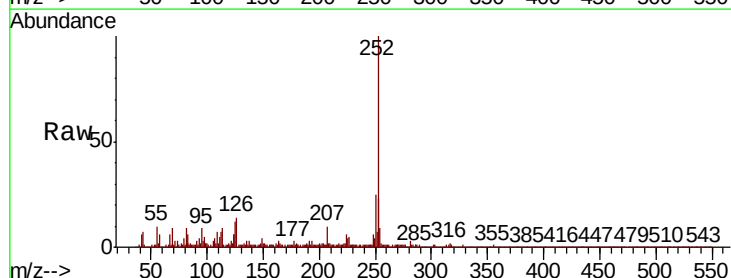
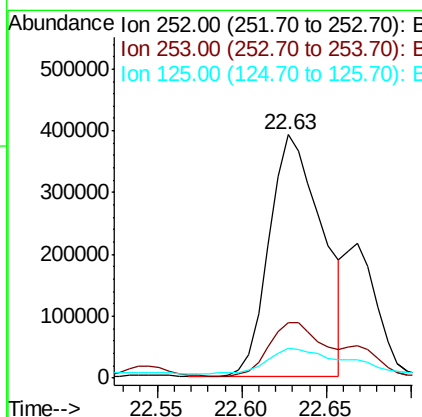
Manual Integrations
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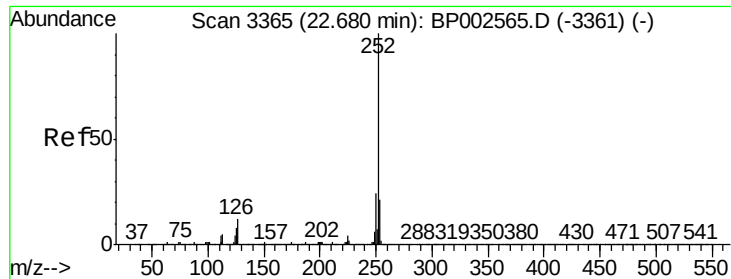
mohammad
 7/7/2020 8:23:37 AM



#88
 Benzo(b)fluoranthene
 Concen: 15.558 ng
 RT: 22.63 min Scan# 3356
 Delta R.T. -0.01 min
 Lab File: BP002615.D
 Acq: 01 Jul 2020 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	12.1	7.4	11.2





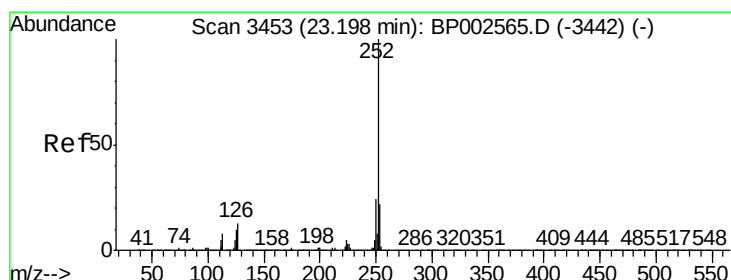
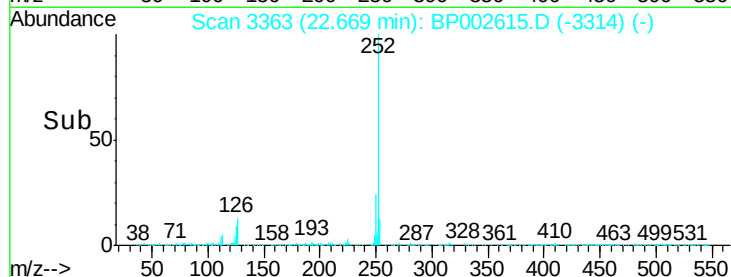
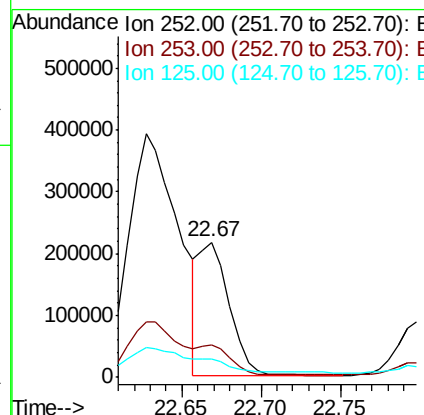
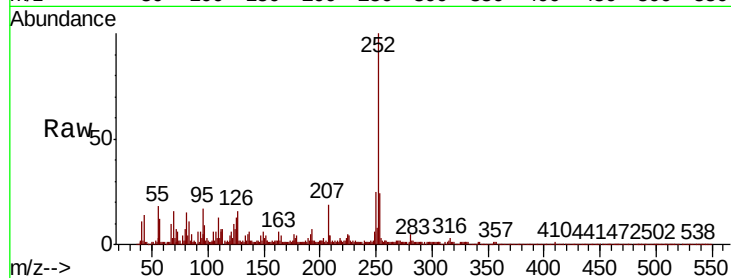
#89
Benzo(k)fluoranthene
Concen: 5.473 ng m
RT: 22.67 min Scan# 3363
Delta R.T. -0.01 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Instrument :
BNA_P
ClientSampled :
CB-D35

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.0
125	13.2	6.9	10.3

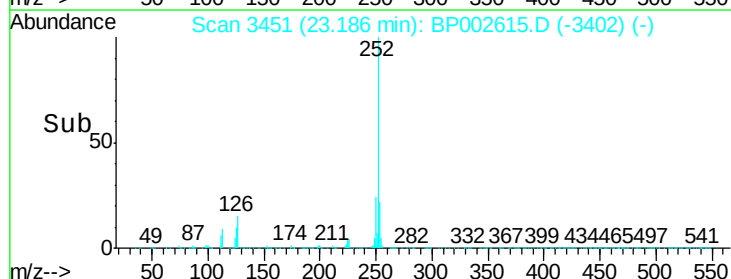
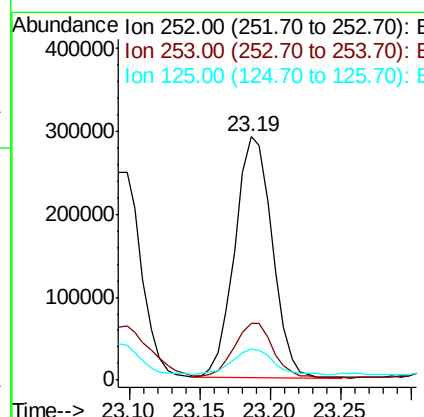
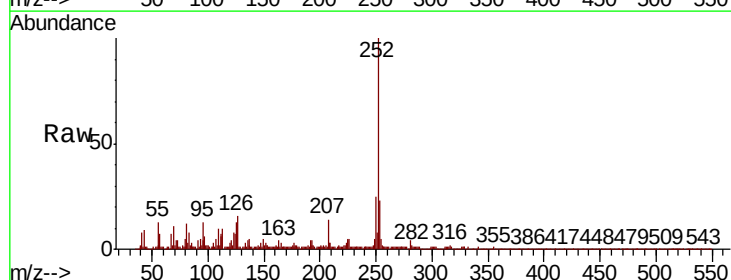
Manual Integrations
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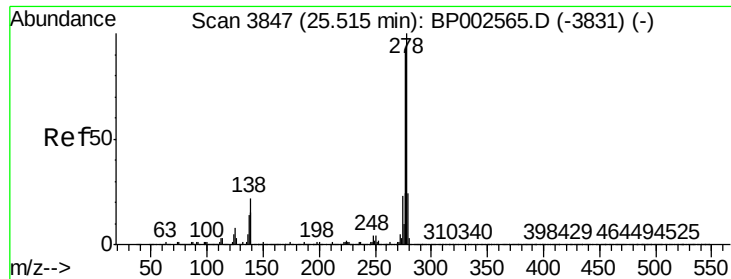
mohammad
7/7/2020 8:23:37 AM



#90
Benzo(a)pyrene
Concen: 10.721 ng
RT: 23.19 min Scan# 3451
Delta R.T. -0.01 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.6	7.8	11.8





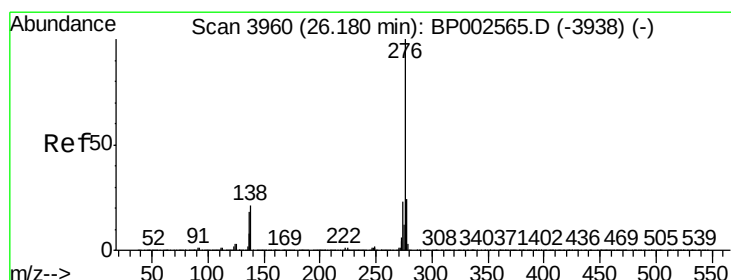
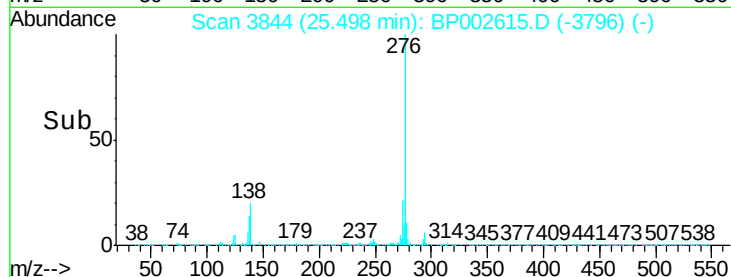
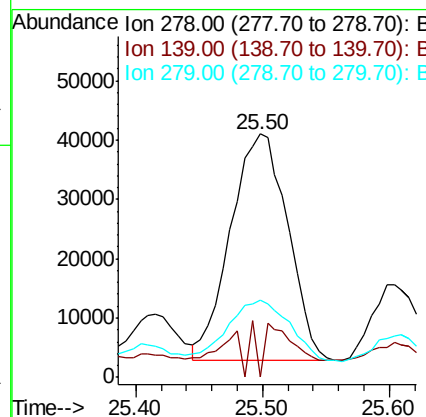
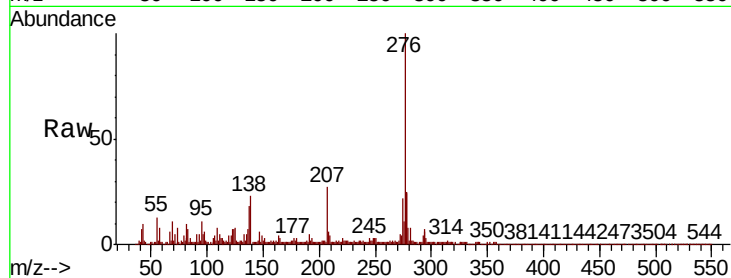
#91
Dibenzo(a,h)anthracene
Concen: 2.366 ng
RT: 25.50 min Scan# 3844
Delta R.T. -0.02 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Instrument :
BNA_P
ClientSampled :
CB-D35

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.2	18.2#
279	31.6	19.0	28.6#

Manual Integrations
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mohammad
7/7/2020 8:23:37 AM



#92
Benzo(g,h,i)perylene
Concen: 9.109 ng
RT: 26.17 min Scan# 3958
Delta R.T. -0.01 min
Lab File: BP002615.D
Acq: 01 Jul 2020 21:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.3	28.9
138	24.1	16.9	25.3

