

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090920\
 Data File : BP003241.D
 Acq On : 09 Sep 2020 15:20
 Operator : CG/JU
 Sample : L3870-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-04-090820

Manual Integrations
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Quant Time: Sep 09 16:04:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	201323	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	817483	20.00	ng	-0.01
39) Acenaphthene-d10	14.29	164	488131	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	987525	20.00	ng	0.00
76) Chrysene-d12	21.15	240	861878	20.00	ng	0.00
86) Perylene-d12	23.37	264	985335	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	880781	77.35	ng	0.00
7) Phenol-d6	6.83	99	1098328	76.94	ng	0.00
23) Nitrobenzene-d5	8.79	82	664914	58.64	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	530256	80.32	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	1886265	56.59	ng	-0.01
79) Terphenyl-d14	19.62	244	2293610	58.56	ng	0.00
Target Compounds						
49) Acenaphthylene	14.01	152	944306	20.837	ng	Qvalue 100
50) Dimethylphthalate	13.75	163	325008	8.731	ng	99
52) Acenaphthene	14.35	154	73609	2.644	ng	98
55) Dibenzofuran	14.69	168	138622	3.170	ng	# 92
58) Fluorene	15.35	166	396144	11.761	ng	98
71) Phenanthrene	17.09	178	3365259	62.890	ng	99
72) Anthracene	17.17	178	1453383	28.380	ng	100
75) Fluoranthene	19.07	202	5286666	85.482	ng	98
78) Pyrene	19.42	202	4982133	89.065	ng	98
81) Benzo(a)anthracene	21.13	228	3139595	58.155	ng	95
83) Chrysene	21.18	228	2573591	49.789	ng	97
87) Indeno(1,2,3-cd)pyrene	25.66	276	1814364	24.692	ng	96
88) Benzo(b)fluoranthene	22.71	252	3682928	60.137	ng	97
89) Benzo(k)fluoranthene	22.75	252	1202746m	20.555	ng	
90) Benzo(a)pyrene	23.29	252	2836755	49.929	ng	97
91) Dibenzo(a,h)anthracene	25.66	278	532688m	8.825	ng	
92) Benzo(g,h,i)perylene	26.35	276	1676351	27.673	ng	98

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

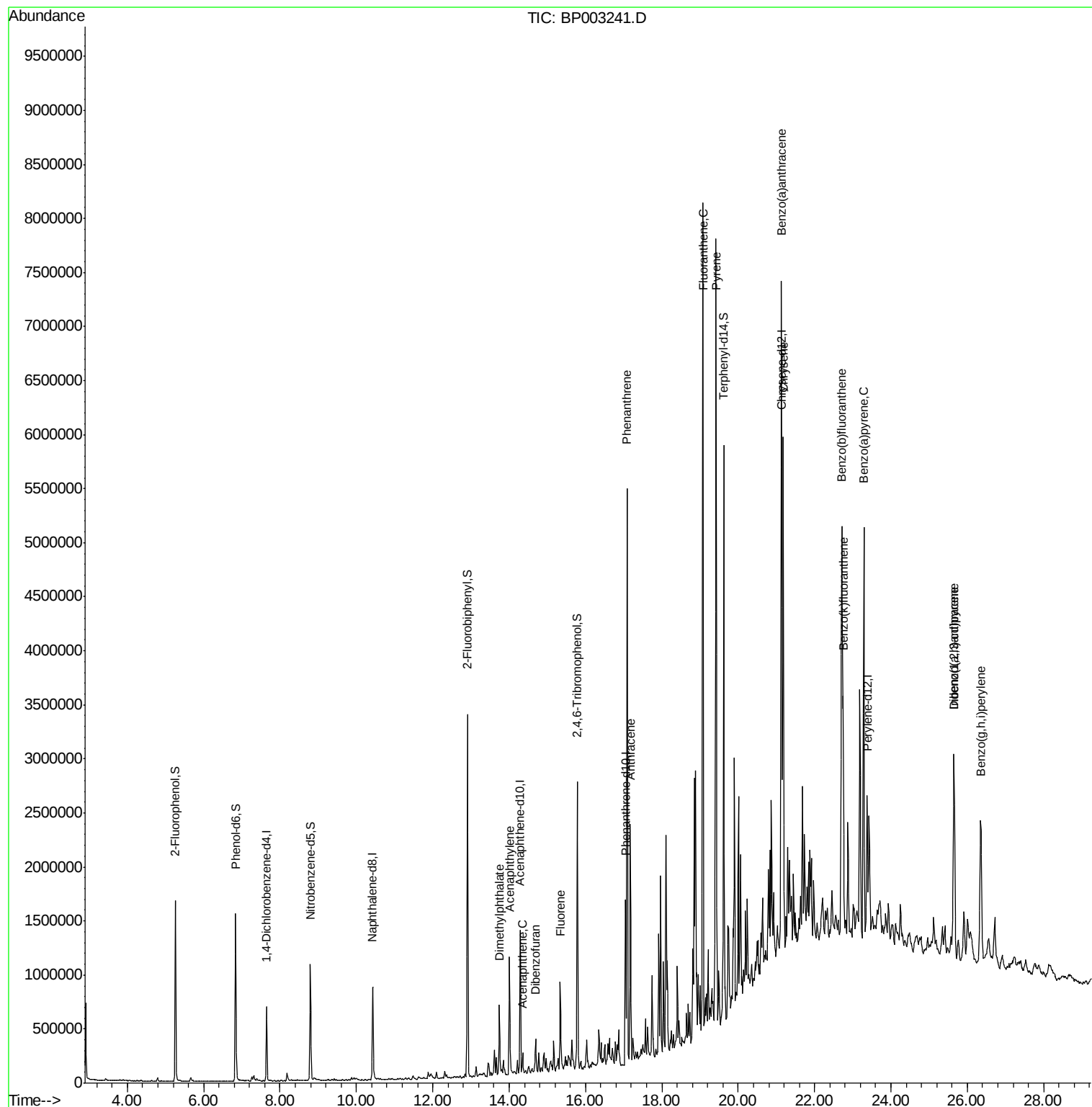
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090920\
Data File : BP003241.D
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ALS Vial : 5 Sample Multiplier: 1

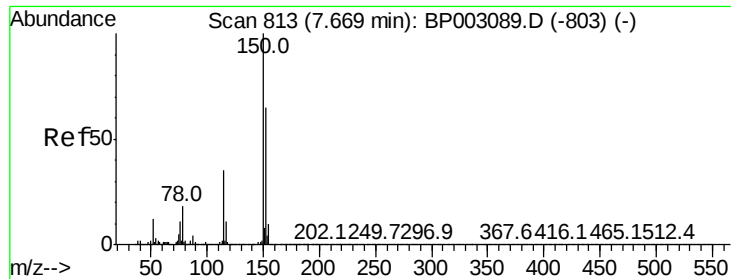
Instrument :
BNA_P
ClientSampleId :
SU-04-090820

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Quant Time: Sep 09 16:04:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

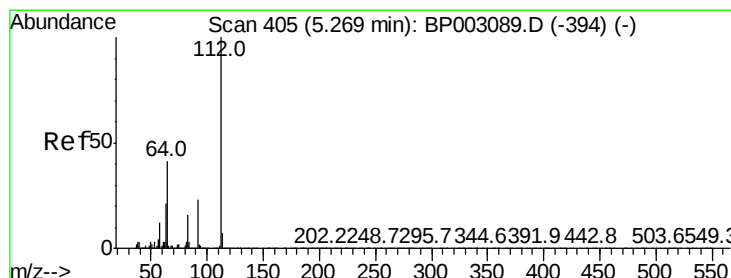
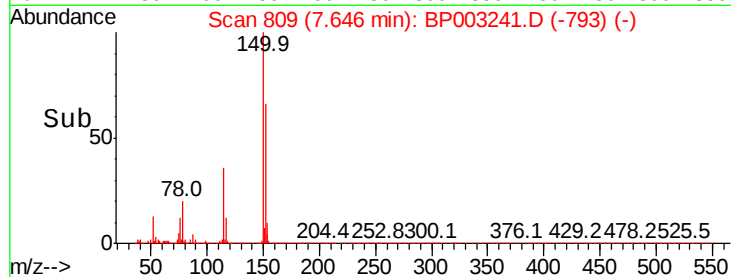
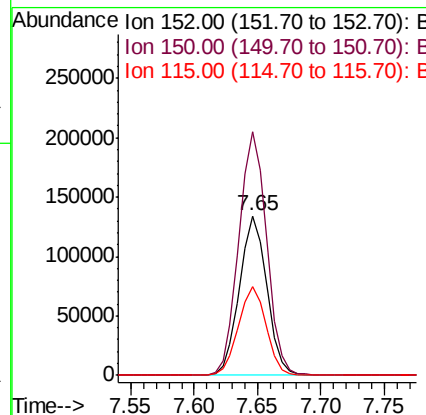
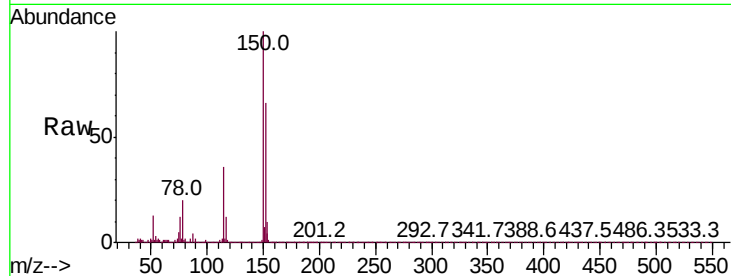
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 809
Delta R.T. -0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Instrument :
BNA_P
ClientSampleId :
SU-04-090820

Tot Ion	Ratio	Resp	Lower	Upper
152	100	201323		
150	152.5	123.8	185.6	
115	55.3	43.8	65.6	

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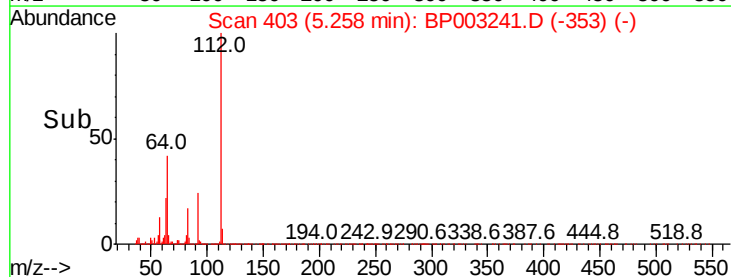
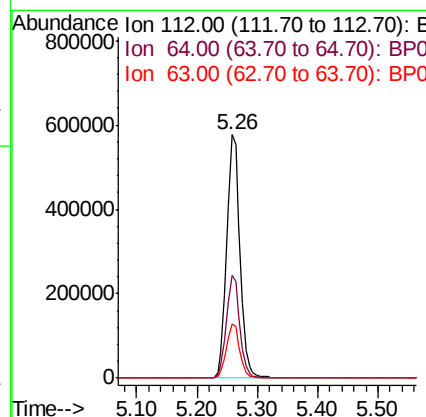
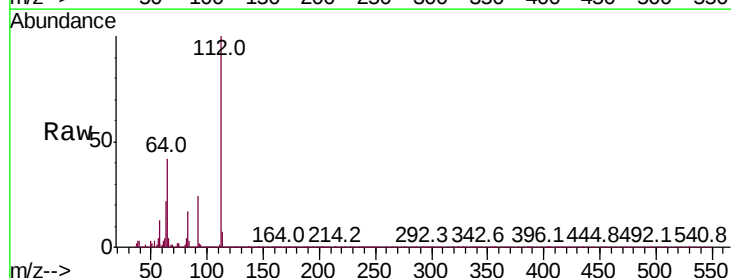
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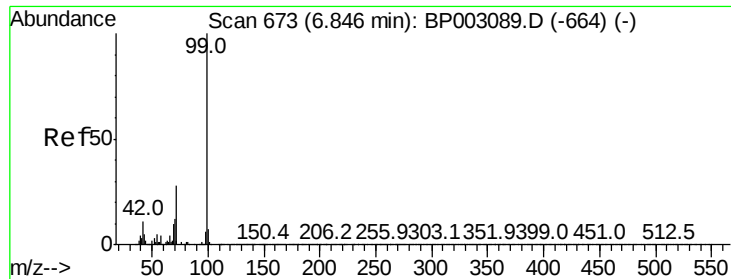


#5

2-Fluorophenol
Concen: 77.351 ng
RT: 5.26 min Scan# 403
Delta R.T. -0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	880781		
64	42.1	32.8	49.2	
63	22.5	17.0	25.4	





#7

Phenol-d6

Concen: 76.945 ng

RT: 6.83 min Scan# 671

Delta R.T. 0.00 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Instrument :

BNA_P

ClientSampleId :

SU-04-090820

Tot Ion: 99 Resp: 1098328

Ion Ratio Lower Upper

99 100

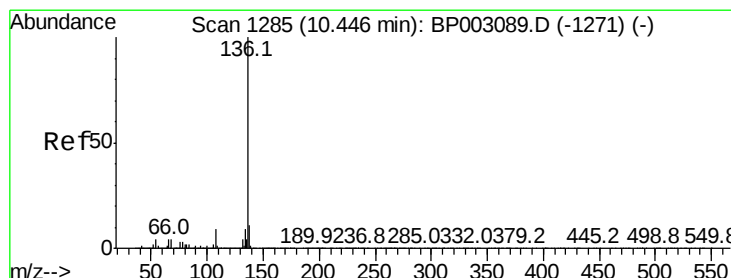
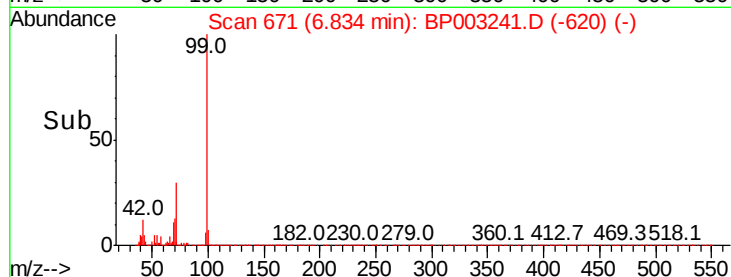
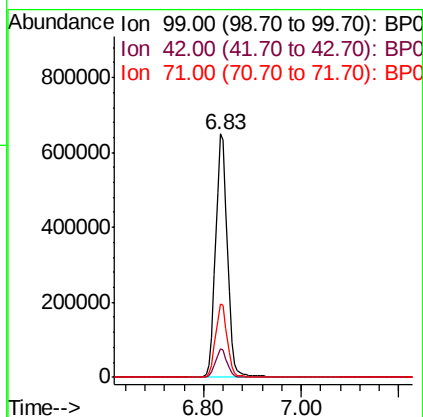
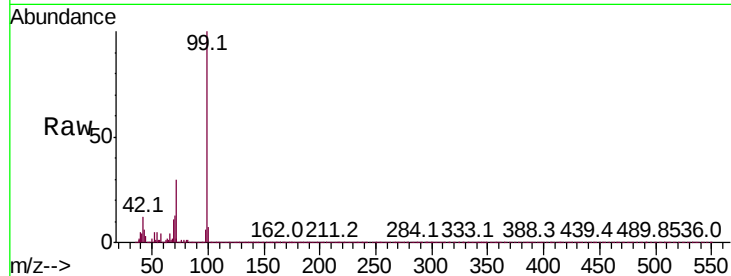
42 11.6 8.6 13.0

71 30.3 23.4 35.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Tgt Ion: 136 Resp: 817483

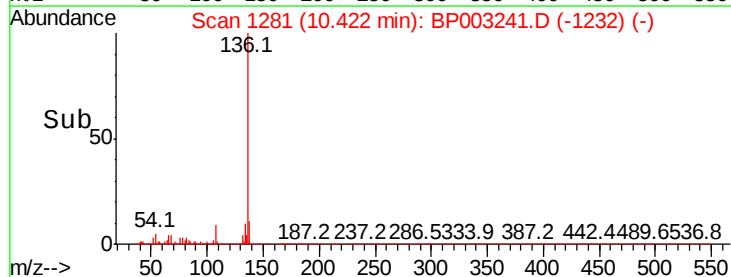
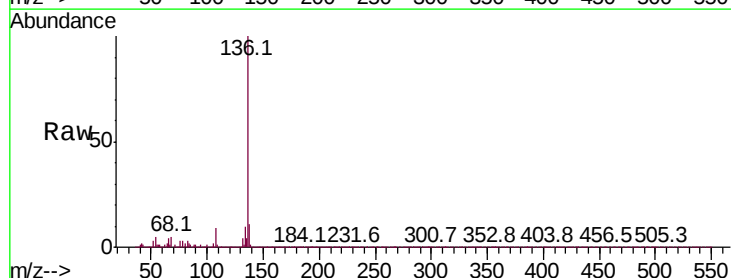
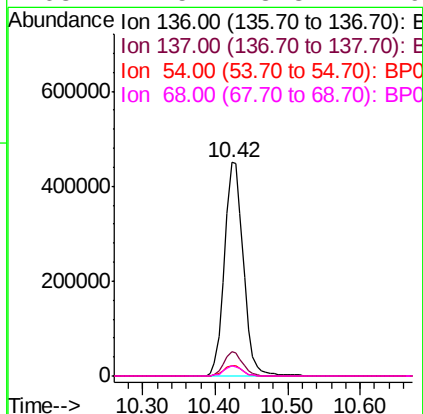
Ion Ratio Lower Upper

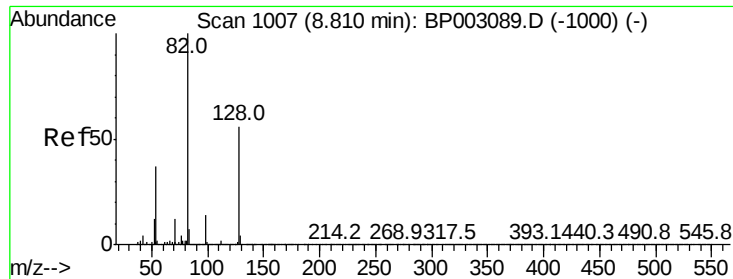
136 100

137 11.2 8.6 13.0

54 4.9 3.6 5.4

68 4.5 3.3 4.9





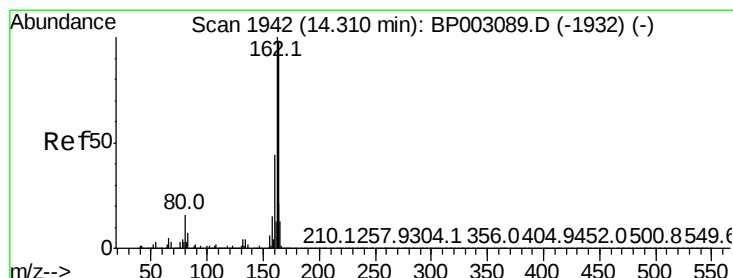
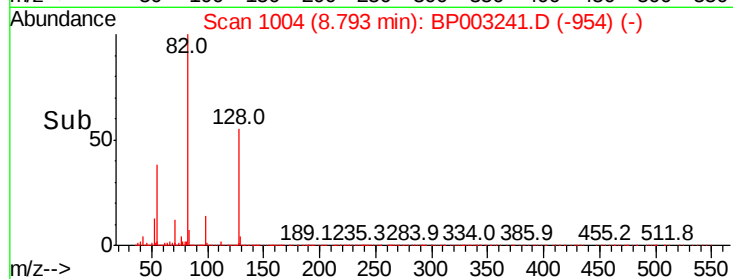
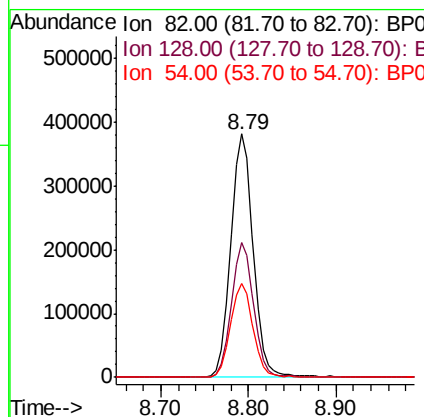
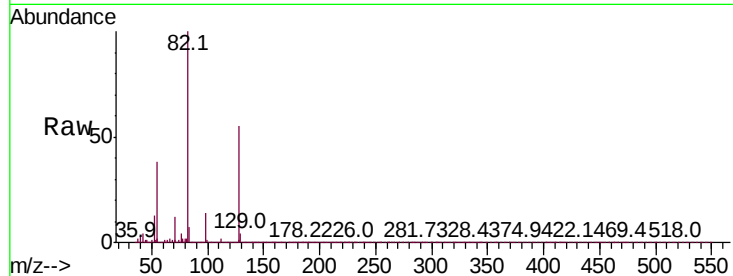
#23
Nitrobenzene-d5
Concen: 58.636 ng
RT: 8.79 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Instrument :
BNA_P
ClientSampleId :
SU-04-090820

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	55.3	45.6	68.4	
54	38.4	30.1	45.1	

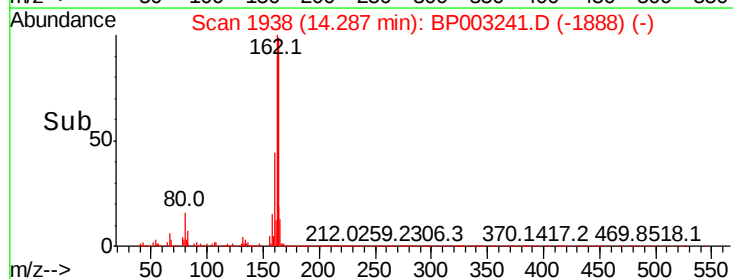
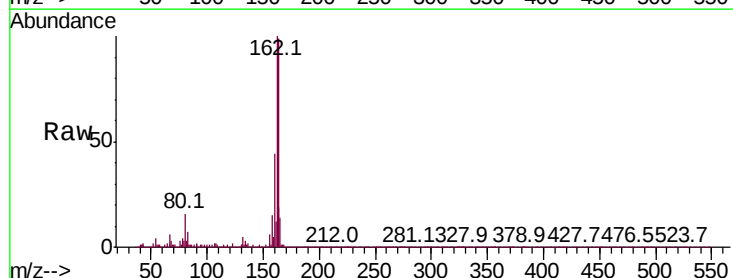
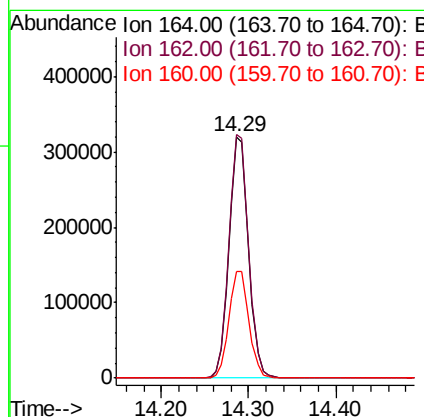
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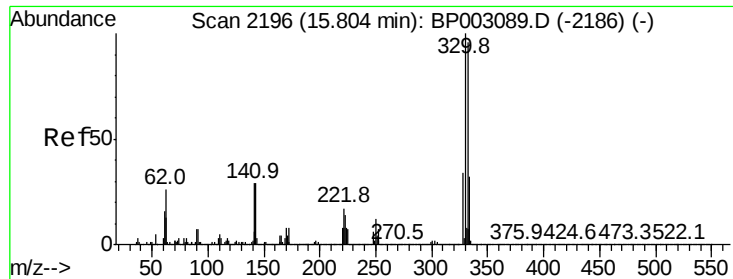
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.29 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.9	79.4	119.2	
160	44.2	36.1	54.1	





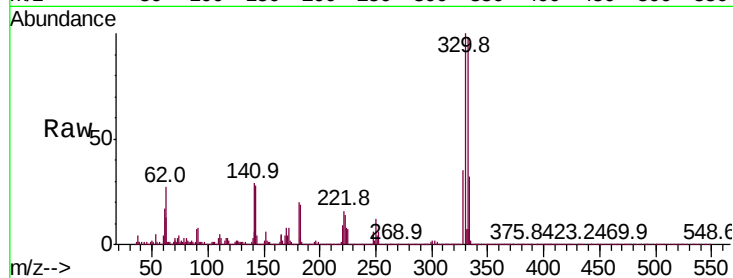
#42
2,4,6-Tribromophenol
Concen: 80.319 ng
RT: 15.79 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Instrument :
BNA_P
ClientSampleId :
SU-04-090820

Tot Ion	Ratio	Resp	Lower	Upper
330	100	530256		
332	97.5	77.1	115.7	
141	29.6	23.4	35.2	

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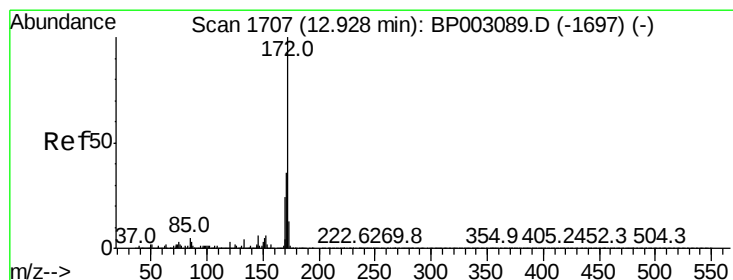
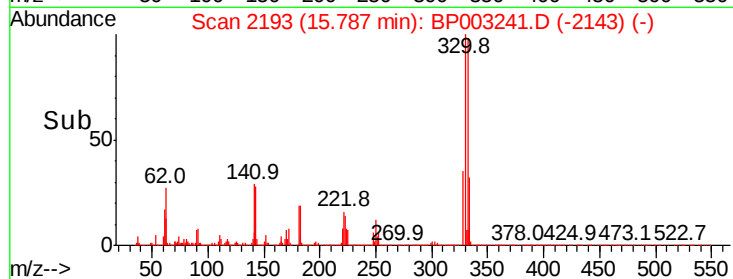
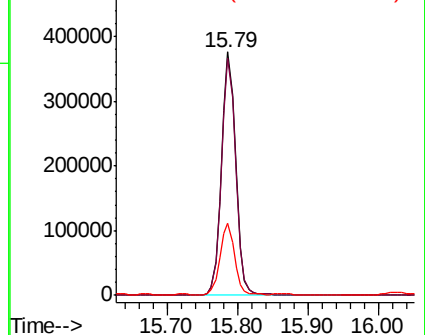


Abundance

Ion 329.80 (329.50 to 330.50): E

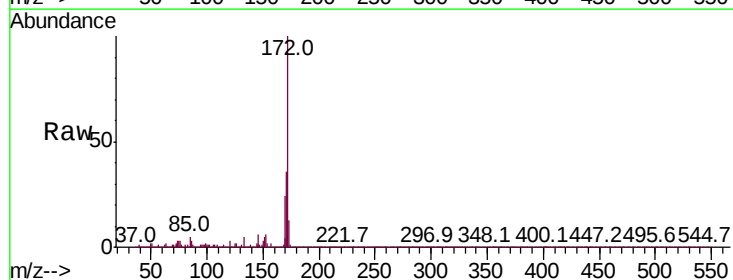
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 56.590 ng
RT: 12.90 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1886265		
171	35.6	28.5	42.7	
170	23.6	19.2	28.8	

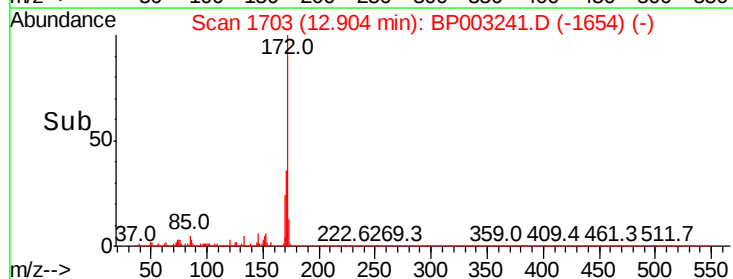
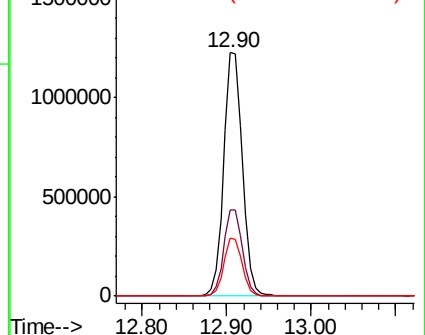


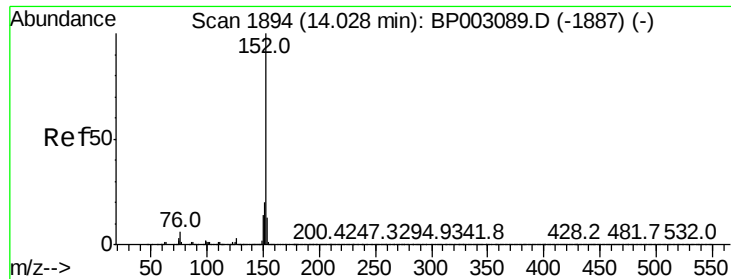
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 20.837 ng

RT: 14.01 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Instrument :

BNA_P

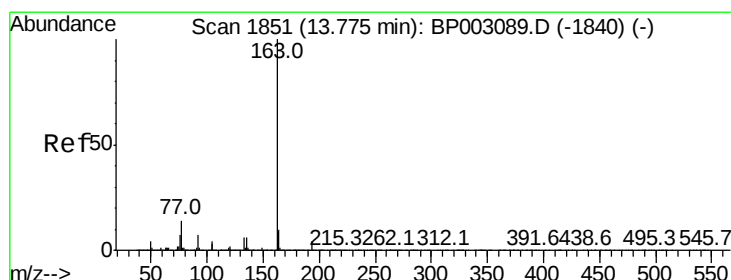
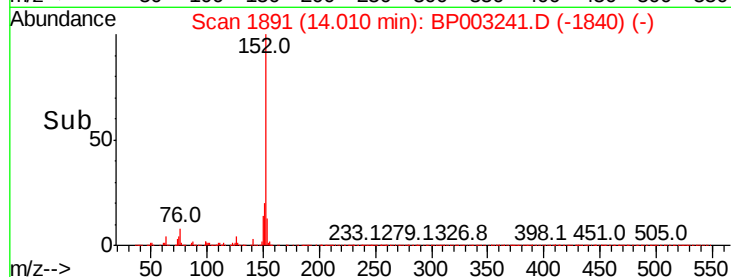
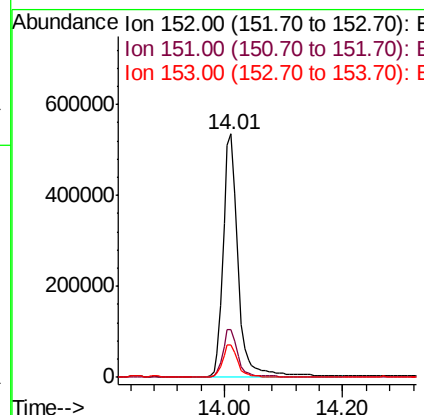
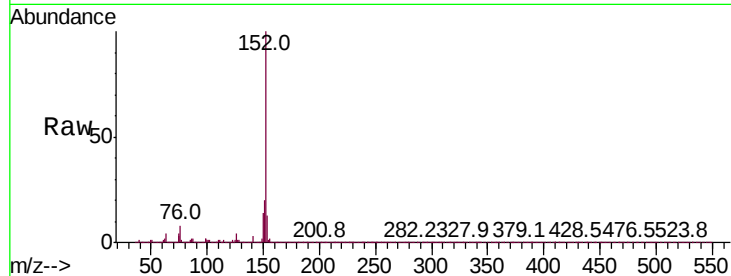
ClientSampleId :

SU-04-090820

Tot Ion:	152	Resp:	944306
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.9	23.9
153	13.4	10.5	15.7

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#50

Dimethylphthalate

Concen: 8.731 ng

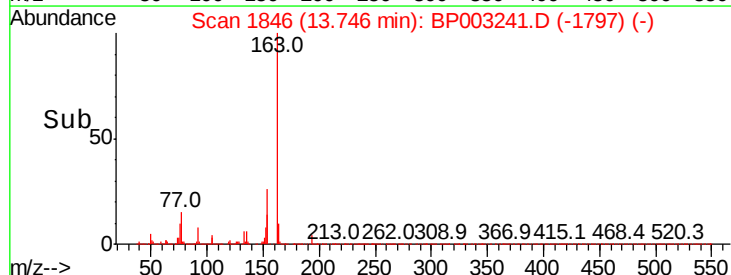
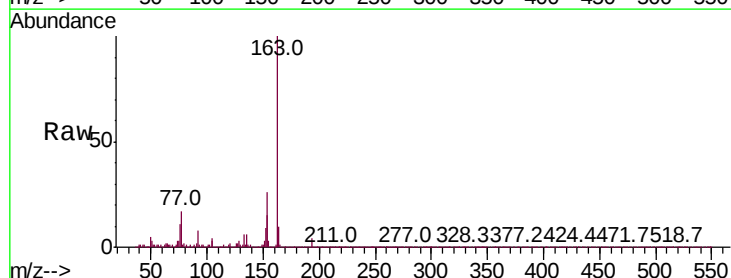
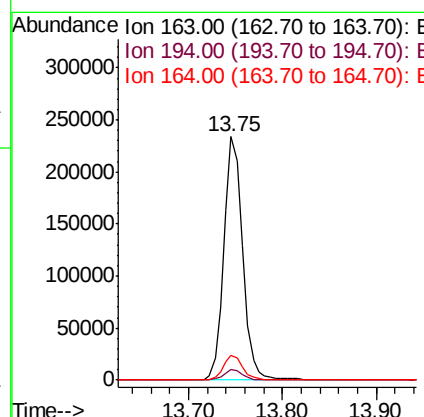
RT: 13.75 min Scan# 1846

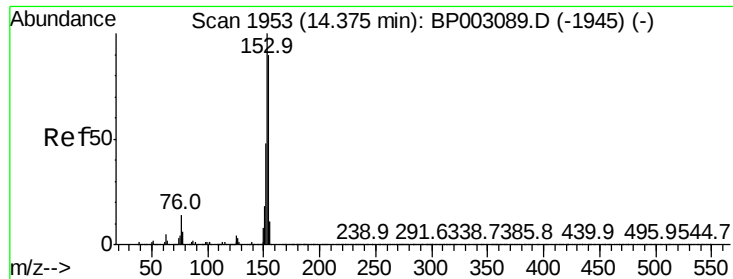
Delta R.T. -0.01 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Tgt Ion:	163	Resp:	325008
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.3	4.9
164	9.9	8.2	12.2





#52

Acenaphthene

Concen: 2.644 ng

RT: 14.35 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Instrument :

BNA_P

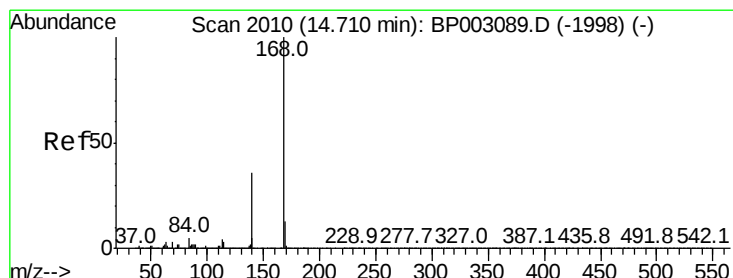
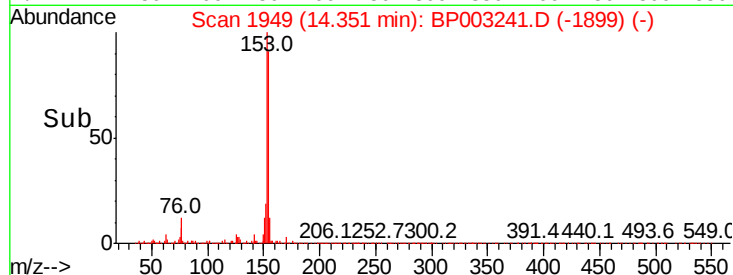
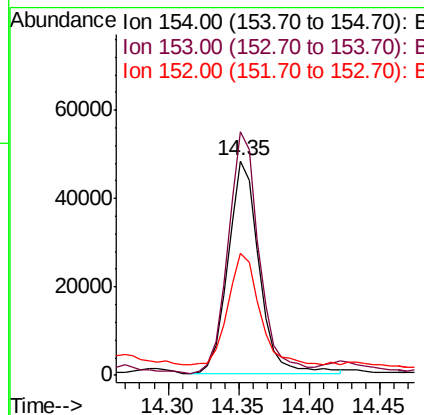
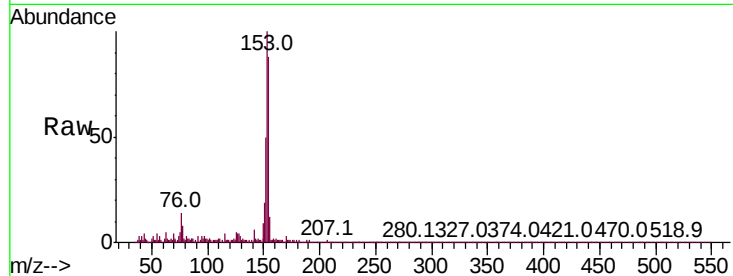
ClientSampleId :

SU-04-090820

Tot Ion:	154	Resp:	73609
Ion Ratio	Lower	Upper	
154	100		
153	113.4	91.0	136.6
152	57.1	43.0	64.6

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#55

Dibenzofuran

Concen: 3.170 ng

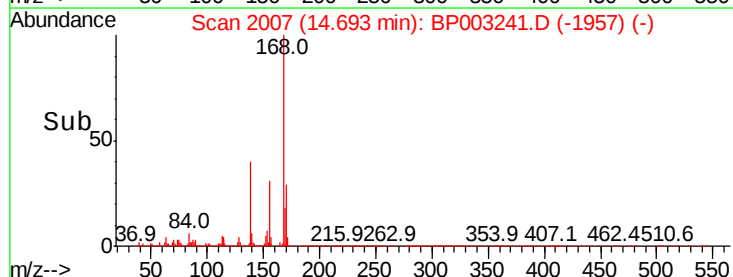
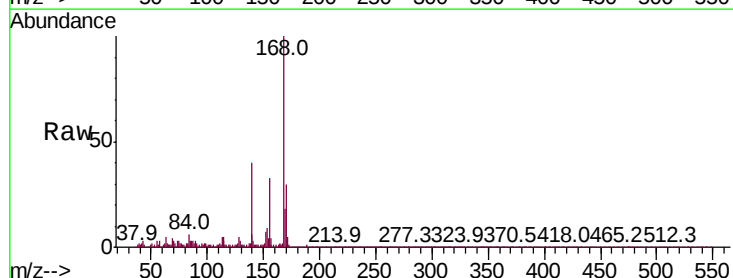
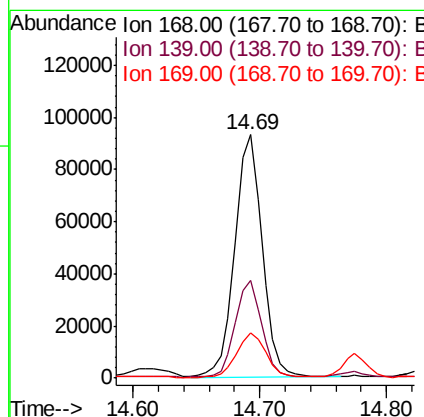
RT: 14.69 min Scan# 2007

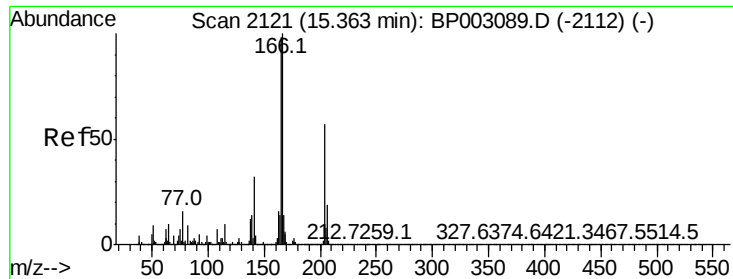
Delta R.T. -0.01 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Tgt Ion:	168	Resp:	138622
Ion Ratio	Lower	Upper	
168	100		
139	40.0	29.1	43.7
169	18.4	10.4	15.6#





#58

Fluorene

Concen: 11.761 ng

RT: 15.35 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Instrument :

BNA_P

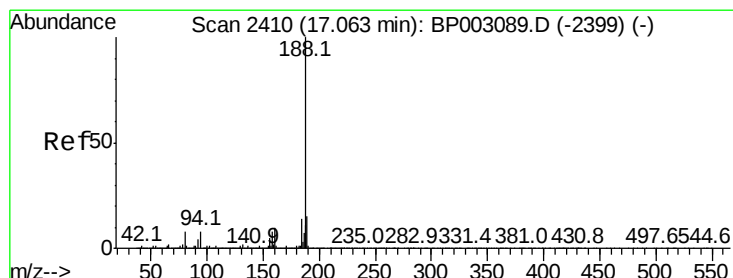
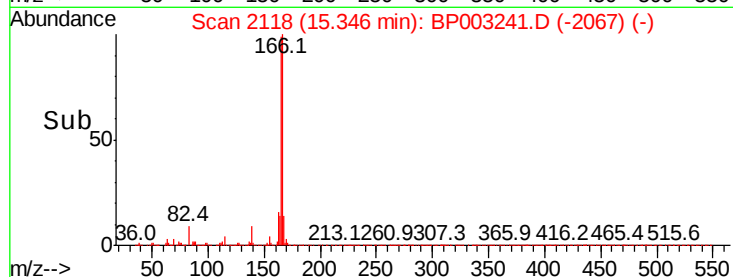
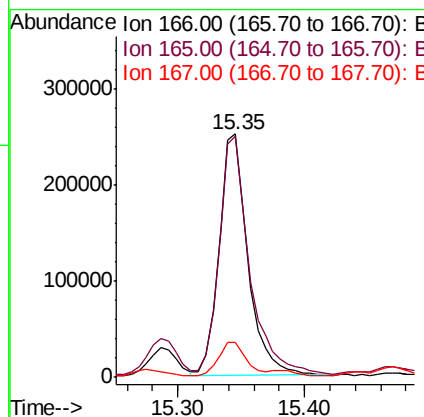
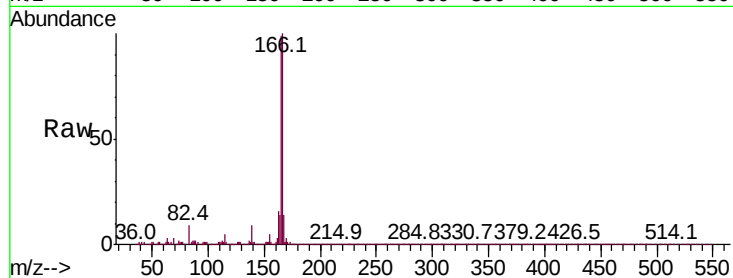
ClientSampleId :

SU-04-090820

Tot Ion:	166	Resp:	396144
Ion Ratio	Lower	Upper	
166	100		
165	99.1	77.8	116.8
167	14.5	11.0	16.4

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#64

Phenanthrene-d10

Concen: 20.000 ng

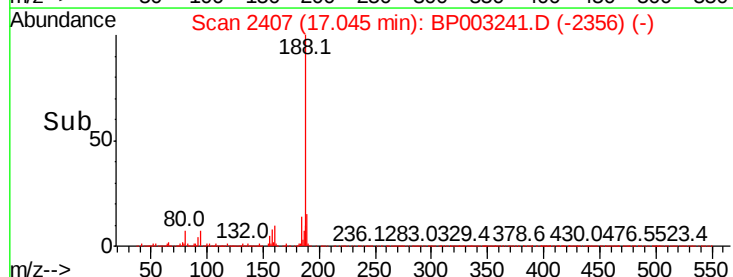
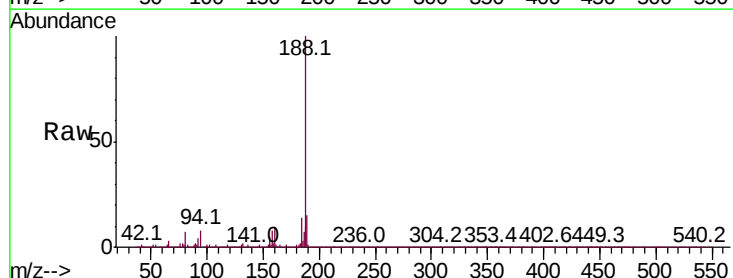
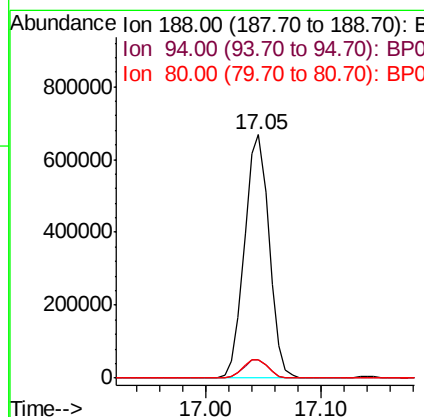
RT: 17.05 min Scan# 2407

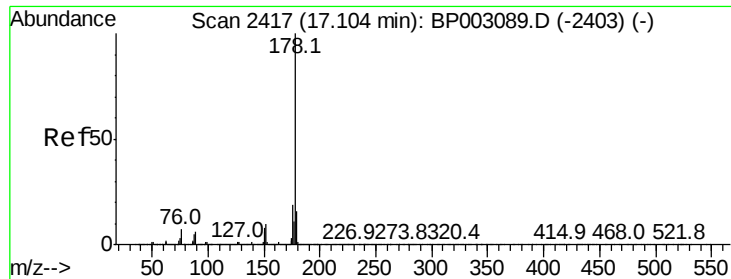
Delta R.T. 0.00 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Tgt Ion:	188	Resp:	987525
Ion Ratio	Lower	Upper	
188	100		
94	7.5	6.2	9.2
80	7.5	6.2	9.2





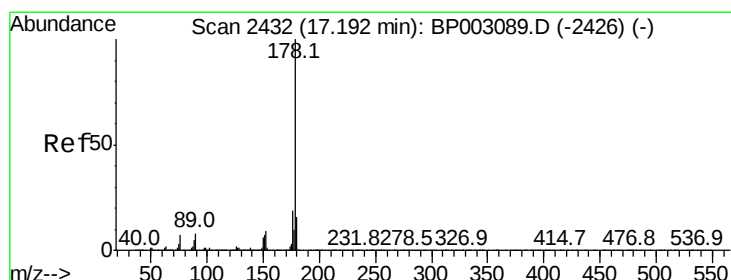
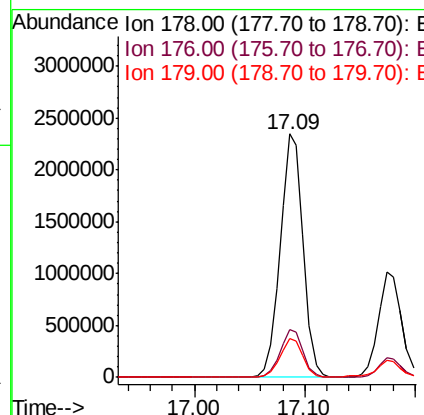
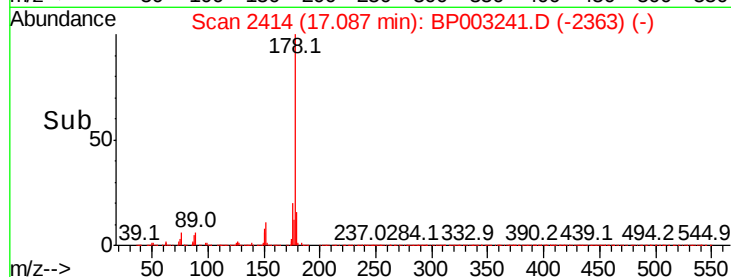
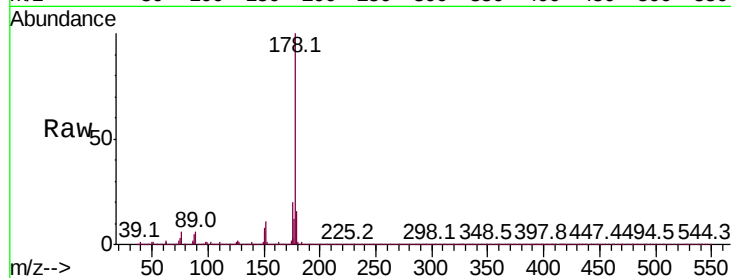
#71
Phenanthrene
Concen: 62.890 ng
RT: 17.09 min Scan# 2414
Delta R.T. 0.00 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Instrument :
BNA_P
ClientSampleId :
SU-04-090820

Tot Ion:178 Resp: 3365259
Ion Ratio Lower Upper
178 100
176 19.7 15.3 22.9
179 15.8 12.5 18.7

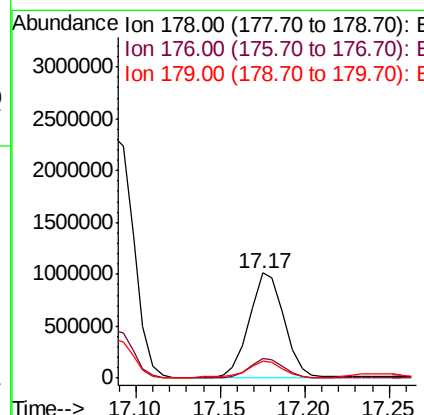
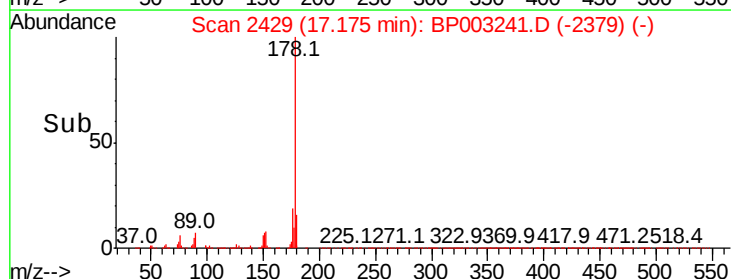
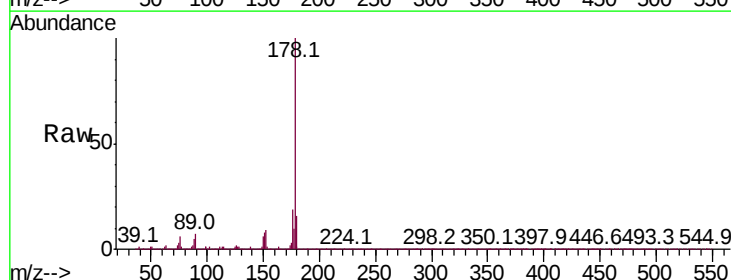
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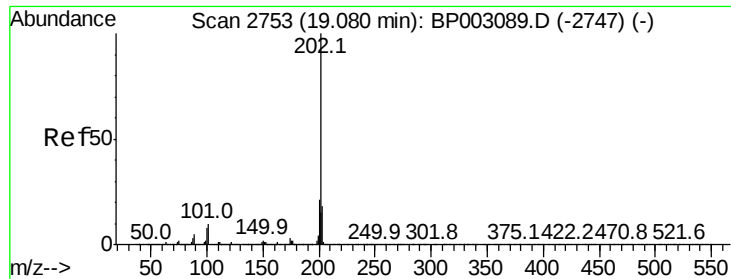
mohammad
9/10/2020 1:05:46 PM



#72
Anthracene
Concen: 28.380 ng
RT: 17.17 min Scan# 2429
Delta R.T. -0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion:178 Resp: 1453383
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.7 12.5 18.7





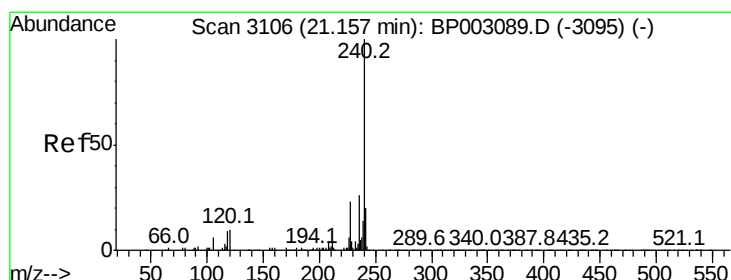
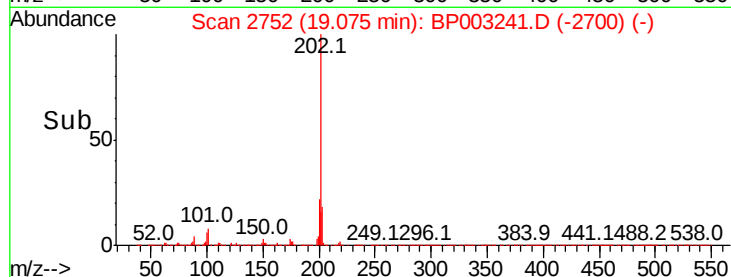
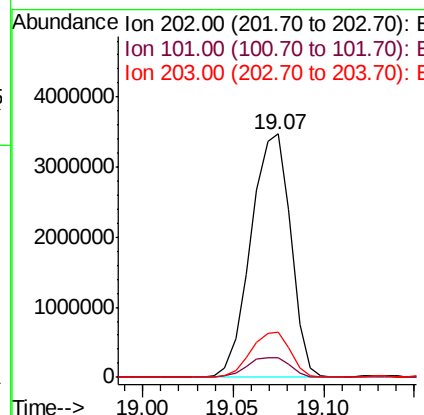
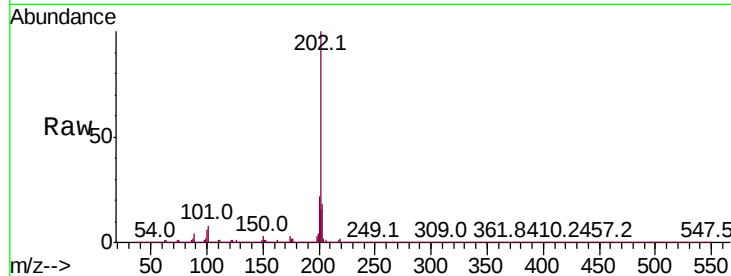
#75
 Fluoranthene
 Concen: 85.482 ng
 RT: 19.07 min Scan# 2752
 Delta R.T. 0.01 min
 Lab File: BP003241.D
 Acq: 09 Sep 2020 15:20

Instrument :
 BNA_P
 ClientSampleId :
 SU-04-090820

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	29.4
203	18.5	0.0	37.8

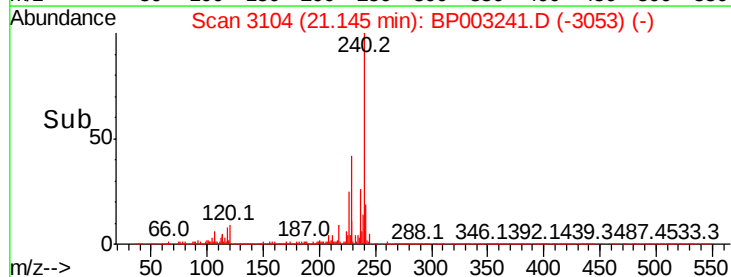
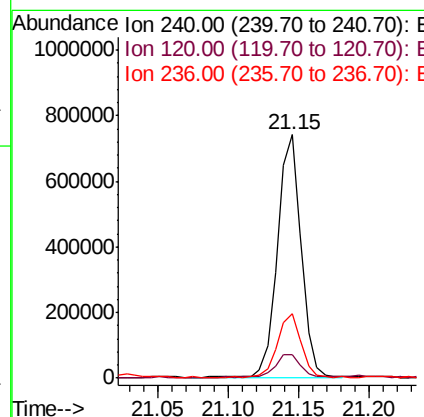
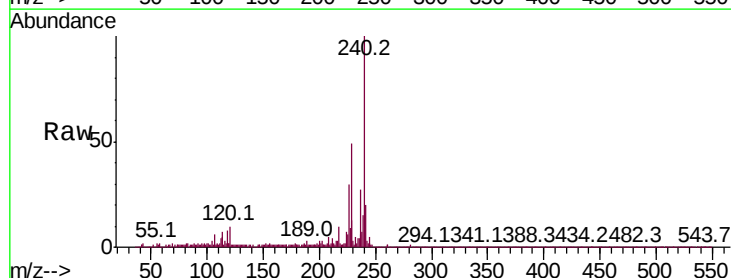
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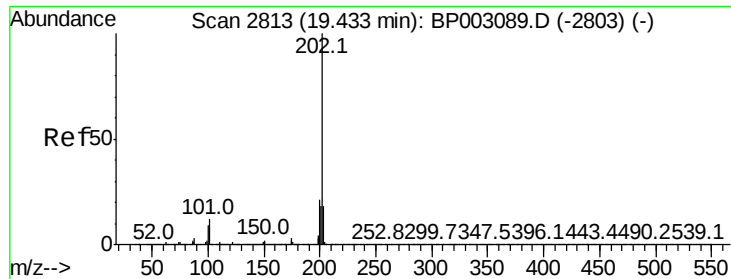
mohammad
 9/10/2020 1:05:46 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.15 min Scan# 3104
 Delta R.T. 0.00 min
 Lab File: BP003241.D
 Acq: 09 Sep 2020 15:20

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.8	11.6
236	26.6	20.8	31.2





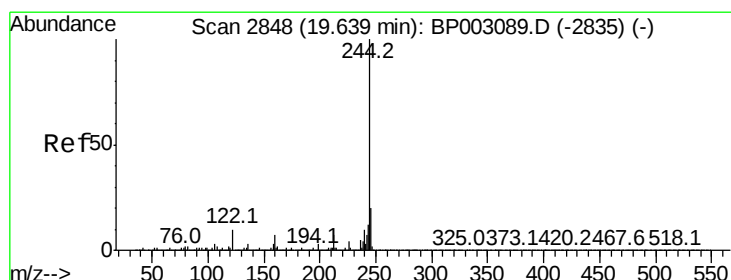
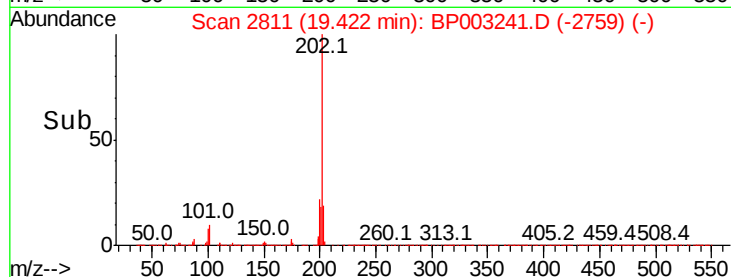
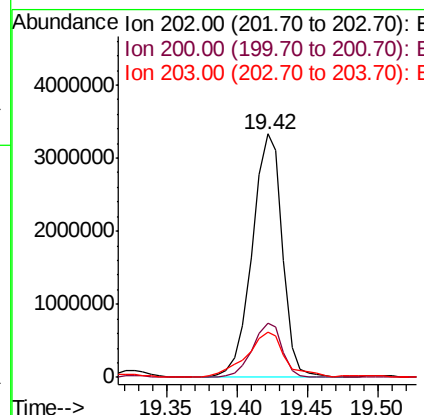
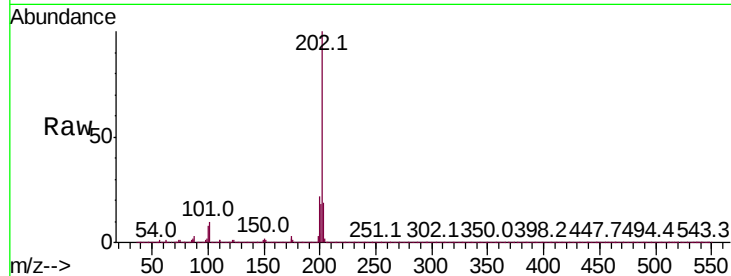
#78
Pvrene
Concen: 89.065 ng
RT: 19.42 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Instrument :
BNA_P
ClientSampleId :
SU-04-090820

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.1	25.7
203	18.7	14.2	21.2

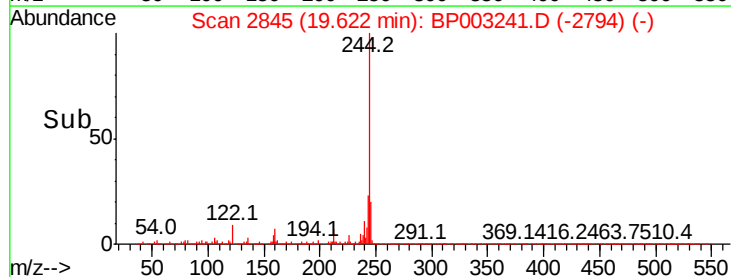
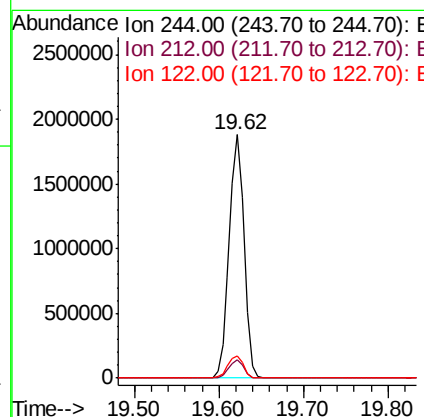
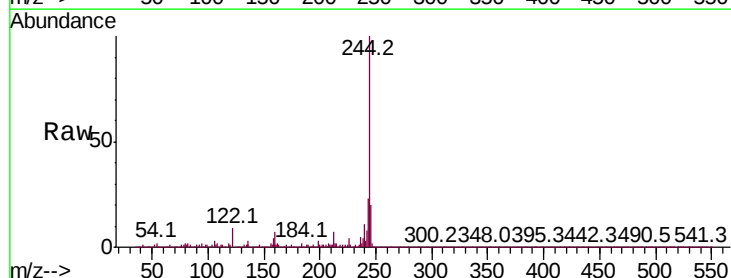
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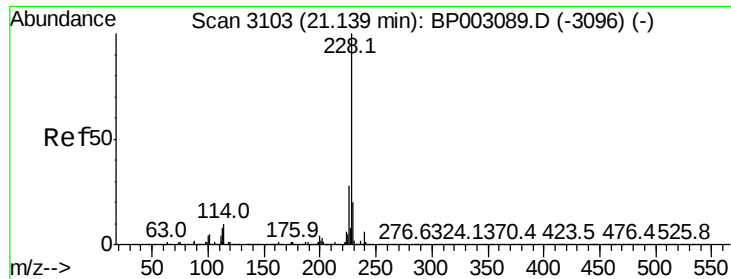
mohammad
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#79
Terphenyl-d14
Concen: 58.557 ng
RT: 19.62 min Scan# 2845
Delta R.T. 0.00 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.3	7.8	11.8





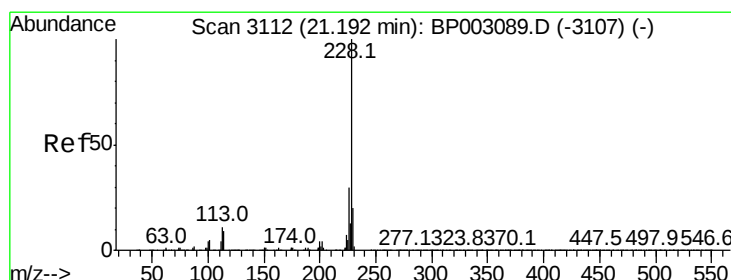
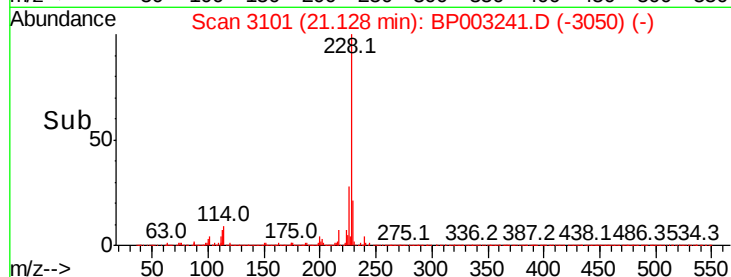
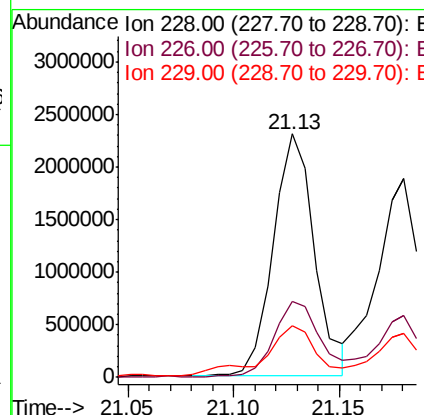
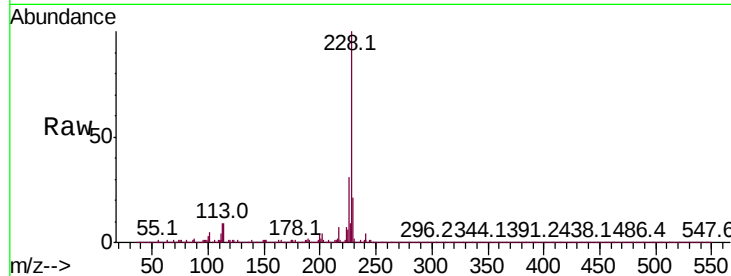
#81
Benzo(a)anthracene
Concen: 58.155 ng
RT: 21.13 min Scan# 3101
Delta R.T. 0.00 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Instrument :
BNA_P
ClientSampleId :
SU-04-090820

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.1	33.1
229	21.3	15.9	23.9

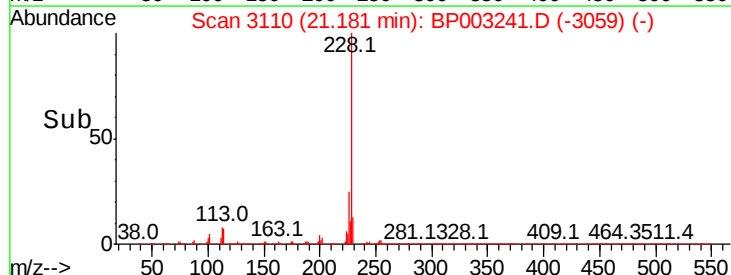
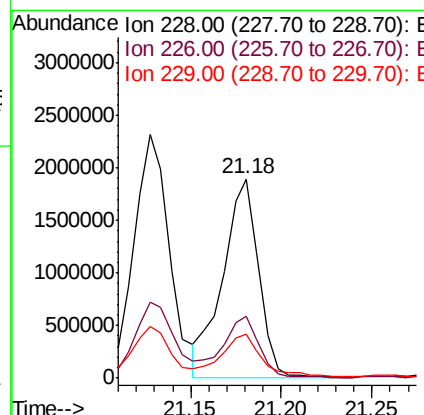
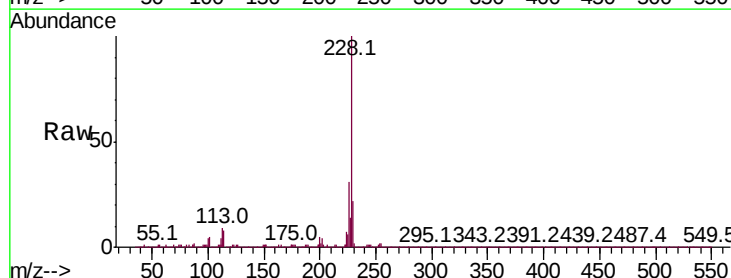
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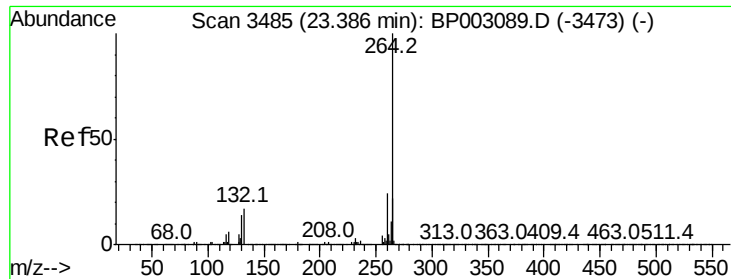
mohammad
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#83
Chrysene
Concen: 49.789 ng
RT: 21.18 min Scan# 3110
Delta R.T. 0.00 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	22.2	15.8	23.6





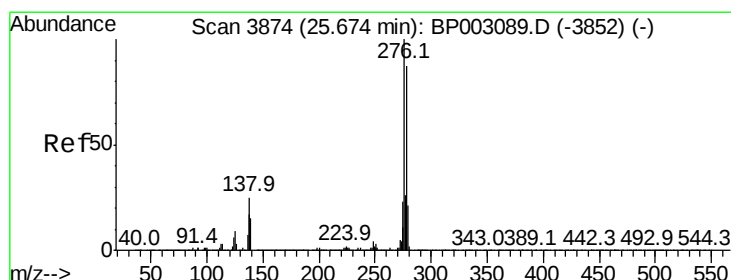
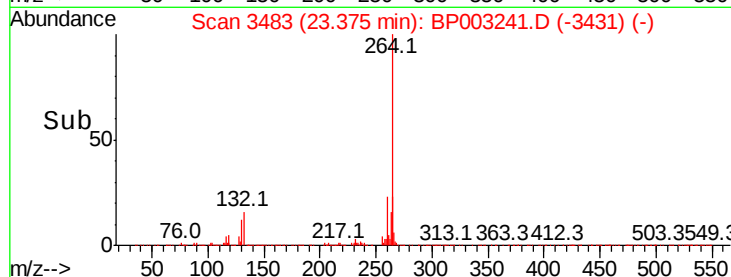
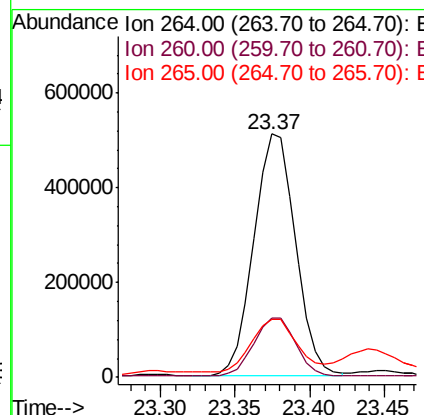
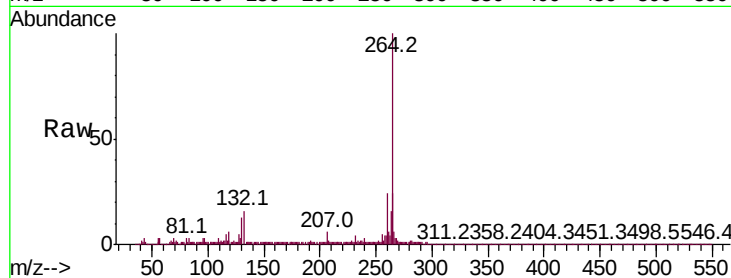
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.37 min Scan# 3483
Delta R.T. 0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Instrument :
BNA_P
ClientSampleId :
SU-04-090820

Tot Ion:	264	Resp:	985335
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.8	28.2
265	24.1	17.4	26.2

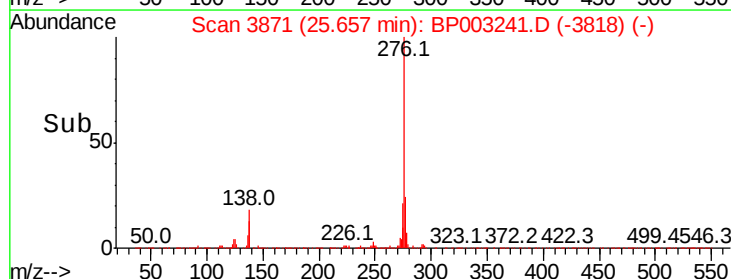
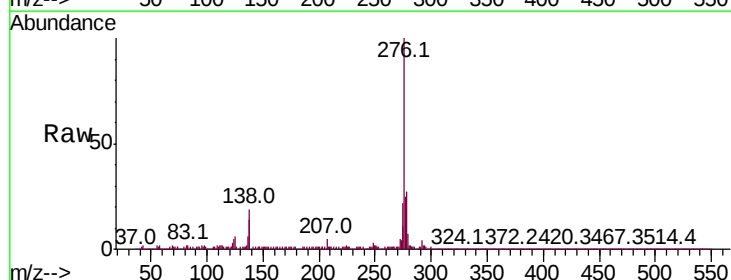
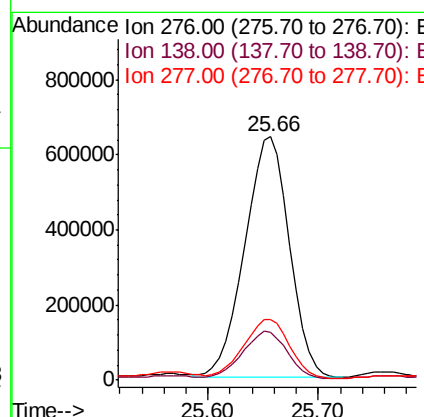
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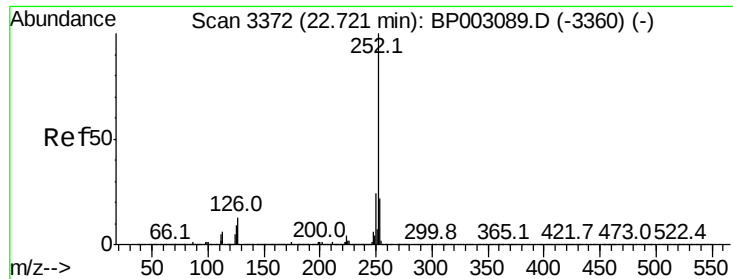
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 24.692 ng
RT: 25.66 min Scan# 3871
Delta R.T. 0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion:	276	Resp:	1814364
Ion Ratio	Lower	Upper	
276	100		
138	19.8	18.7	28.1
277	25.4	20.4	30.6





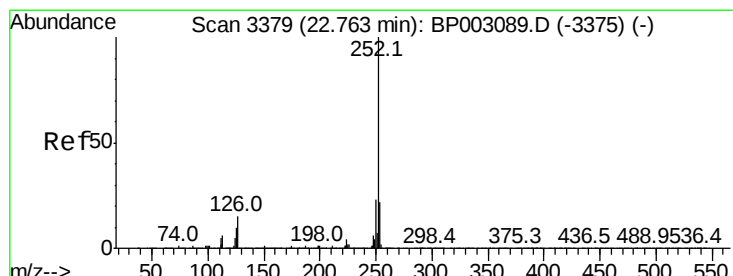
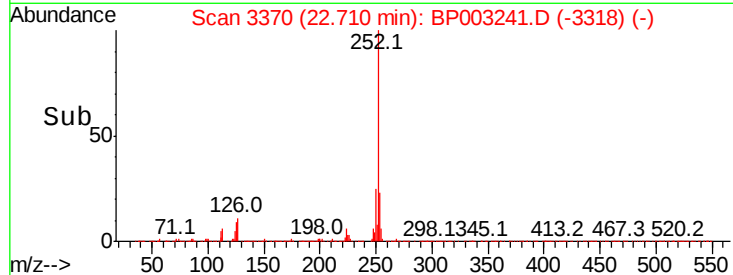
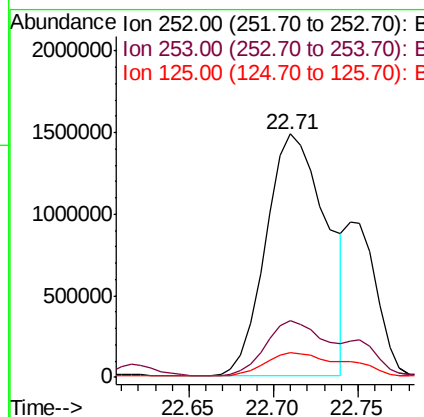
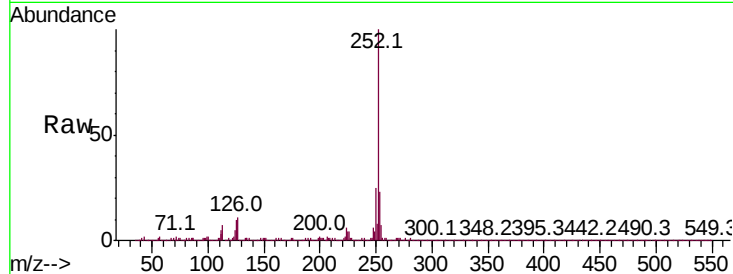
#88
Benzo(b)fluoranthene
Concen: 60.137 ng
RT: 22.71 min Scan# 3370
Delta R.T. 0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Instrument :
BNA_P
ClientSampleId :
SU-04-090820

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	10.0	7.3	10.9

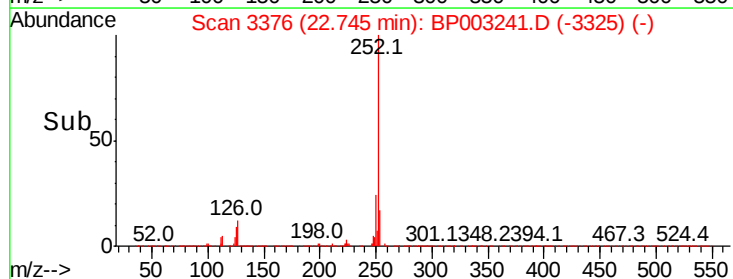
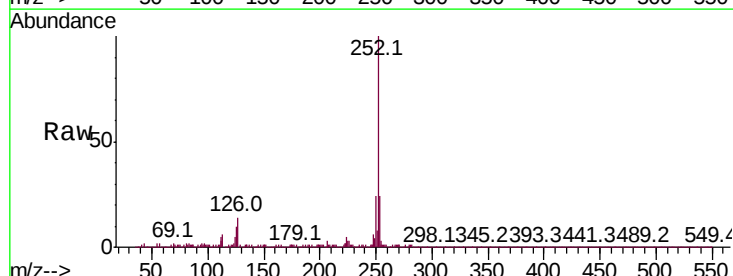
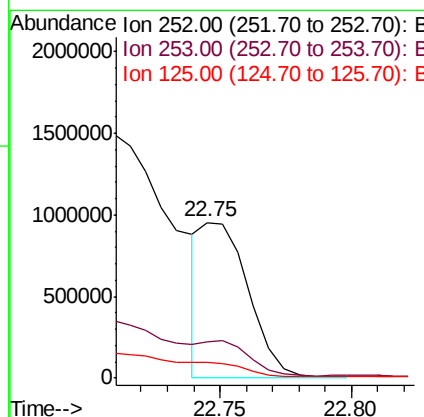
Manual Integrations
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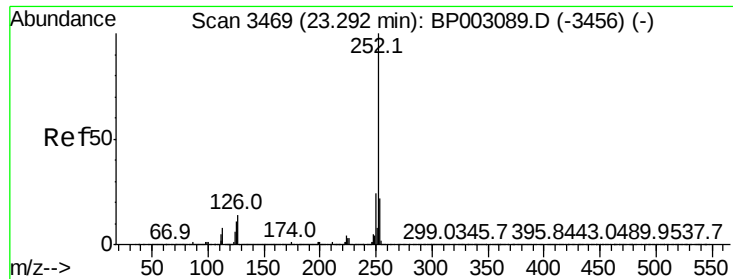
mohammad
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#89
Benzo(k)fluoranthene
Concen: 20.555 ng m
RT: 22.75 min Scan# 3376
Delta R.T. 0.00 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	10.1	7.4	11.2





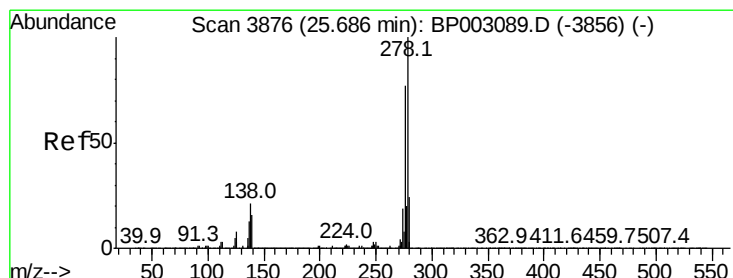
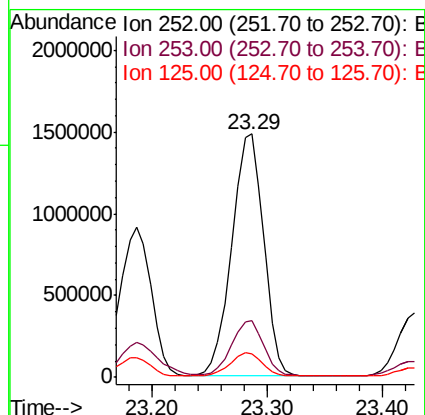
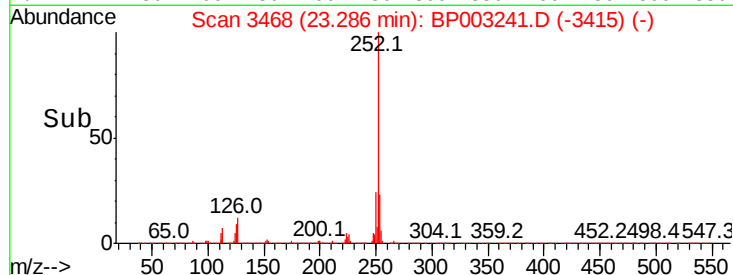
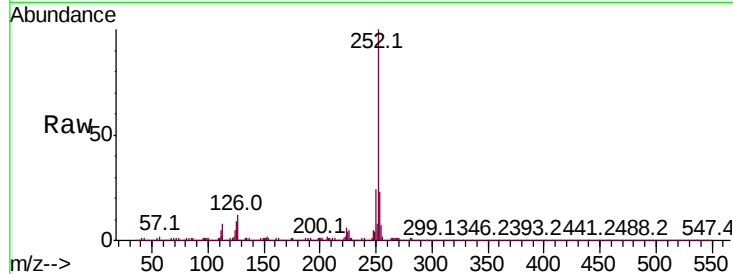
#90
Benzo(a)pyrene
Concen: 49.929 ng
RT: 23.29 min Scan# 3468
Delta R.T. 0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Instrument :
BNA_P
Client Sampled :
SU-04-090820

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	9.5	8.2	12.4

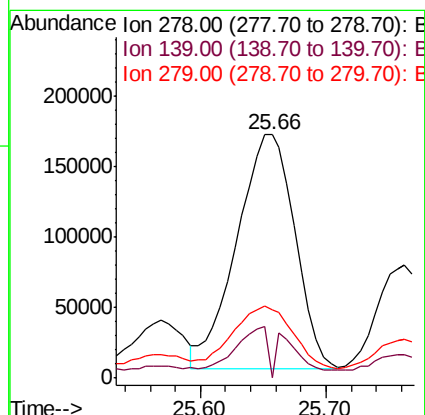
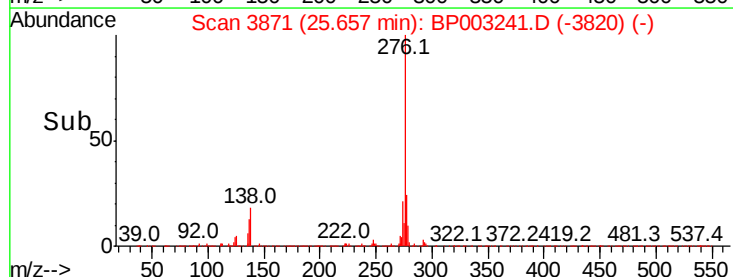
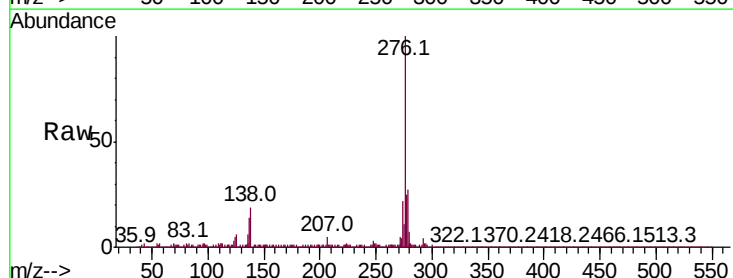
Manual Integrations
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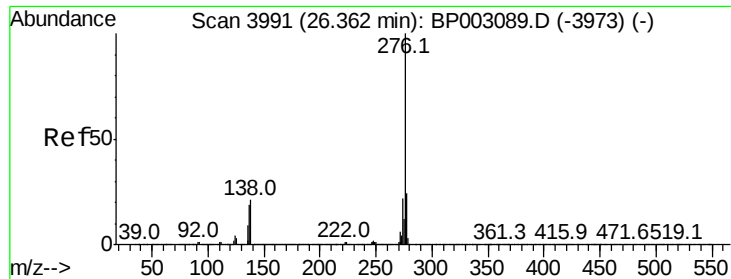
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 8.825 ng m
RT: 25.66 min Scan# 3871
Delta R.T. 0.00 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.4	18.6#
279	28.1	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 27.673 ng
 RT: 26.35 min Scan# 3989
 Delta R.T. 0.02 min
 Lab File: BP003241.D
 Acq: 09 Sep 2020 15:20

Instrument :
 BNA_P
 ClientSampleId :
 SU-04-090820

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.6
138	19.7	16.6	24.8

Manual Integrations
 APPROVED

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 9/10/2020 1:05:46 PM

