

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090420\
 Data File : BP003206.D
 Acq On : 04 Sep 2020 12:01
 Operator : CG/JU
 Sample : L3877-17 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-4

Manual Integrations
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Quant Time: Sep 04 14:09:42 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	27611	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	115262	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	79302	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	218453	20.00	ng	0.00
76) Chrysene-d12	21.14	240	616909	20.00	ng	0.00
86) Perylene-d12	23.37	264	1118449	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	65175	41.73	ng	0.00
7) Phenol-d6	6.83	99	80500	41.12	ng	0.00
23) Nitrobenzene-d5	8.79	82	48919	30.60	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	54200	50.53	ng	0.00
45) 2-Fluorobiphenyl	12.91	172	122184	22.56	ng	0.00
79) Terphenyl-d14	19.62	244	397232	14.17	ng	0.00
Target Compounds						
31) Naphthalene	10.48	128	64796	10.942	ng	Qvalue # 90
37) 2-Methylnaphthalene	12.10	142	450068m	106.243	ng	
38) 1-Methylnaphthalene	12.32	142	744330	184.862	ng	99
49) Acenaphthylene	14.01	152	491189	66.715	ng	# 96
52) Acenaphthene	14.36	154	148958	32.932	ng	98
55) Dibenzofuran	14.69	168	64284m	9.050	ng	
58) Fluorene	15.35	166	237229	43.353	ng	# 97
71) Phenanthrene	17.09	178	1007060	85.076	ng	99
72) Anthracene	17.17	178	405995	35.837	ng	99
75) Fluoranthene	19.07	202	716910	52.402	ng	99
78) Pyrene	19.42	202	1387558	34.655	ng	99
81) Benzo(a)anthracene	21.13	228	738791	19.119	ng	# 91
83) Chrysene	21.17	228	767014	20.731	ng	# 95
87) Indeno(1,2,3-cd)pyrene	25.64	276	475545	5.701	ng	97
88) Benzo(b)fluoranthene	22.70	252	806814m	11.606	ng	
89) Benzo(k)fluoranthene	22.73	252	277862m	4.184	ng	
90) Benzo(a)pyrene	23.28	252	860378	13.341	ng	98
91) Dibenz(a,h)anthracene	25.65	278	155579	2.271	ng	# 81
92) Benzo(a,h,i)perylene	26.34	276	565261	8.221	ng	98

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

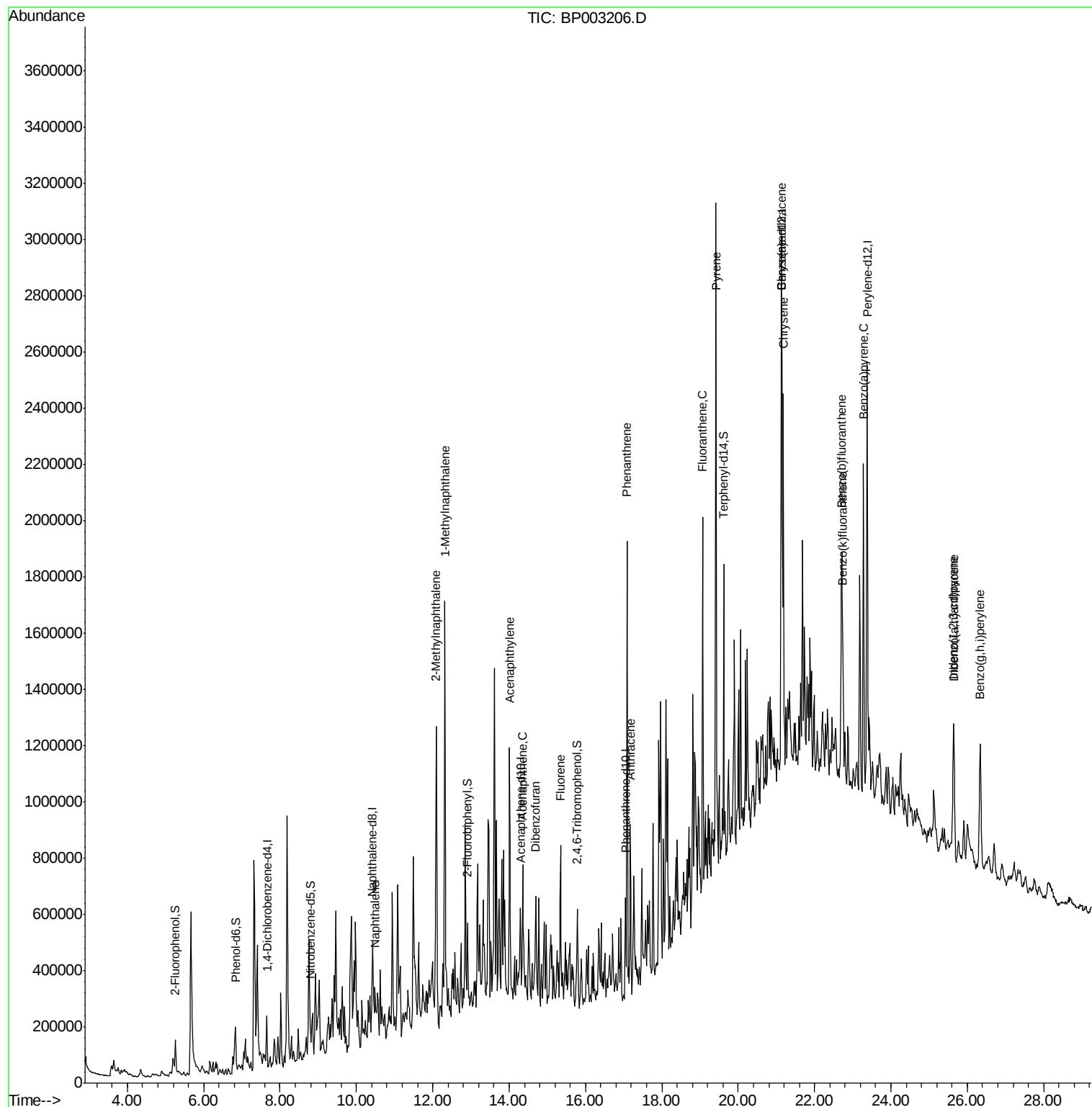
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090420\
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ALS Vial : 6 Sample Multiplier: 1

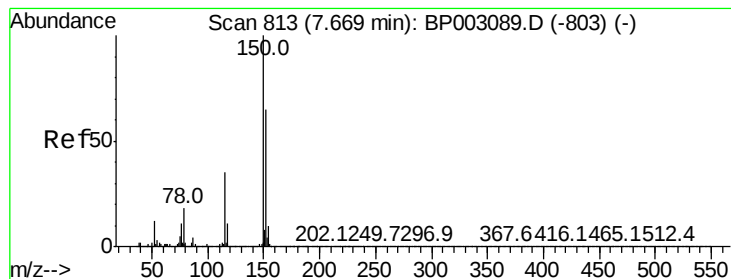
Instrument :
BNA_P
ClientSampleId :
TP-4

Quant Time: Sep 04 14:09:42 2020
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 01 14:37:05 2020
Response via : Initial Calibration

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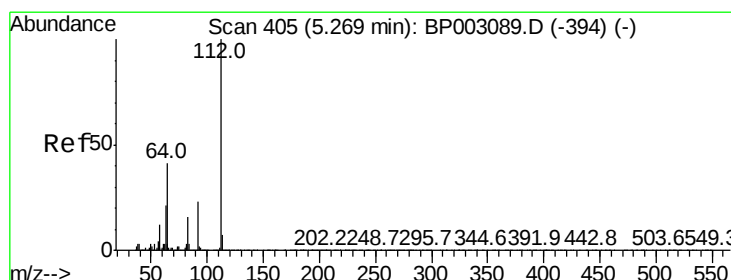
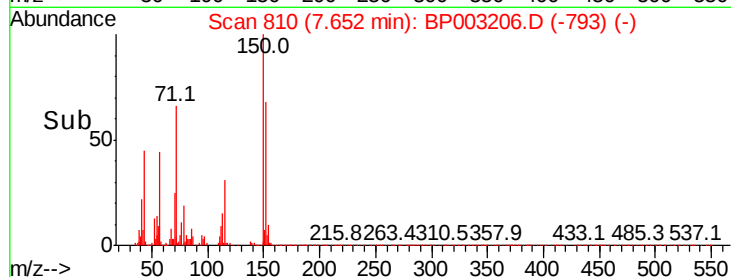
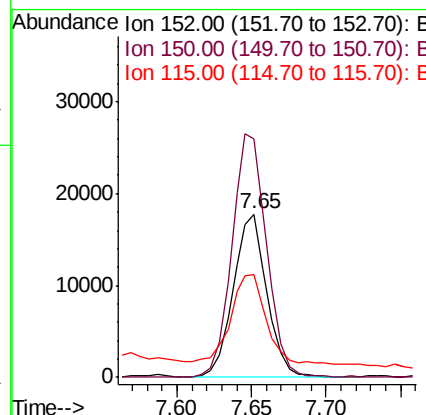
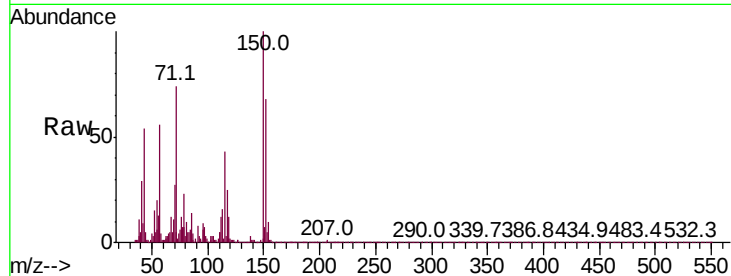
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.65 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BP003206.D
 Acq: 04 Sep 2020 12:01

Instrument :
 BNA_P
 ClientSampled :
 TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.2	123.8	185.6
115	63.0	43.8	65.6

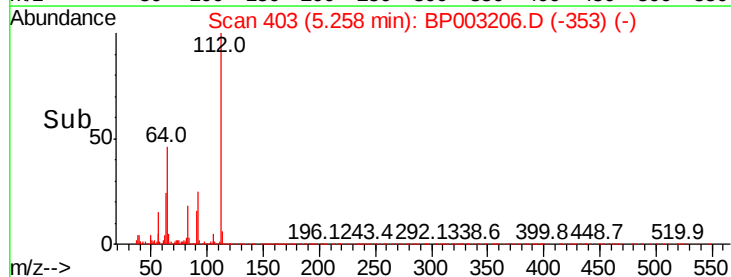
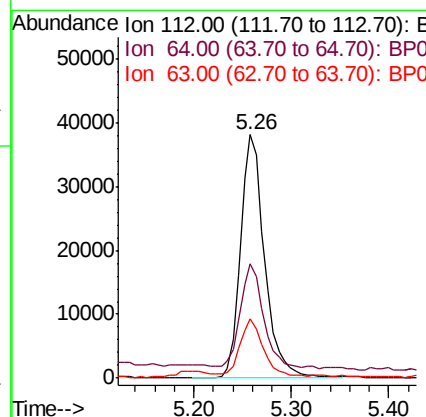
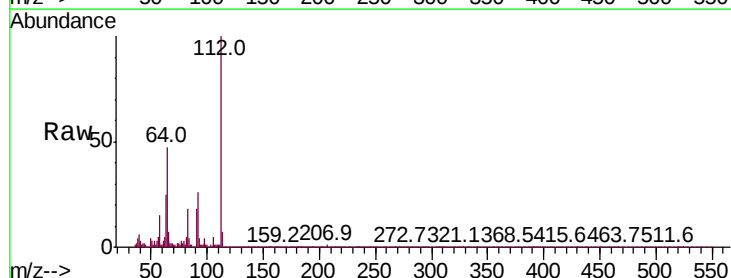
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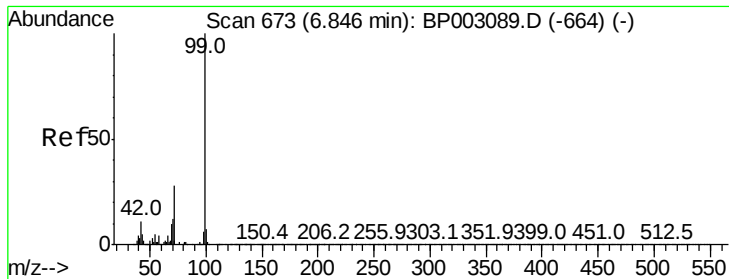
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#5
 2-Fluorophenol
 Concen: 41.734 ng
 RT: 5.26 min Scan# 403
 Delta R.T. -0.01 min
 Lab File: BP003206.D
 Acq: 04 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.8	32.8	49.2
63	24.5	17.0	25.4





#7

Phenol-d6

Concen: 41.120 ng

RT: 6.83 min Scan# 671

Delta R.T. 0.00 min

Lab File: BP003206.D

Acq: 04 Sep 2020 12:01

Instrument :

BNA_P

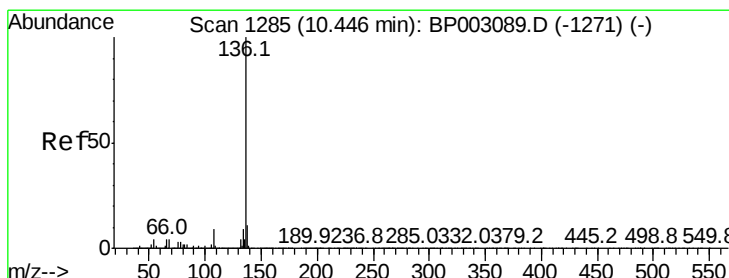
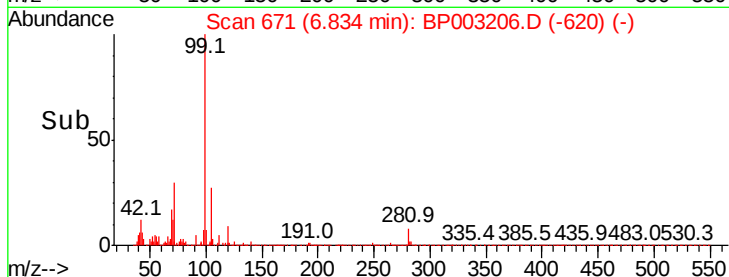
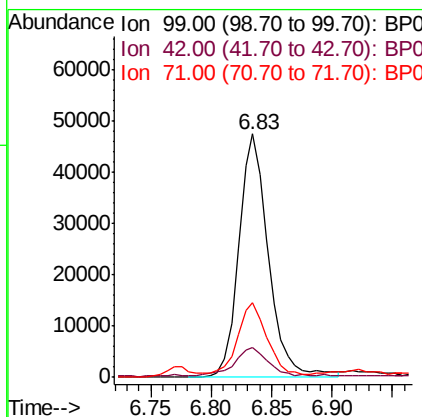
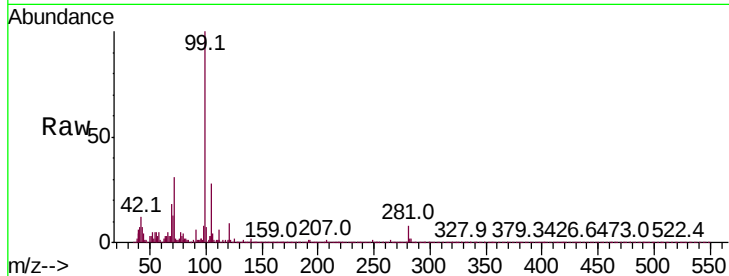
ClientSampleId :

TP-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		80500		
42	12.4	8.6	13.0		
71	30.8	23.4	35.2		

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#21

Naphthalene-d8

Concen: 20.000 ng

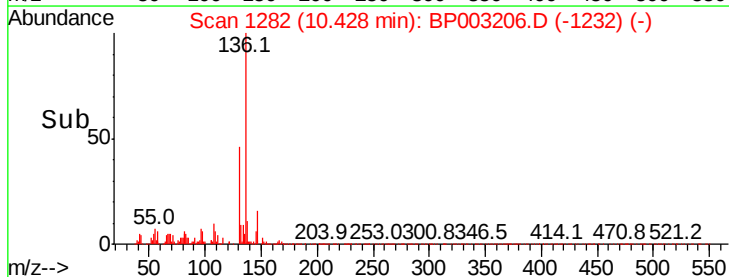
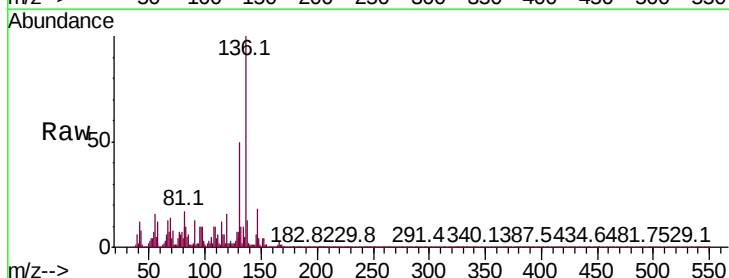
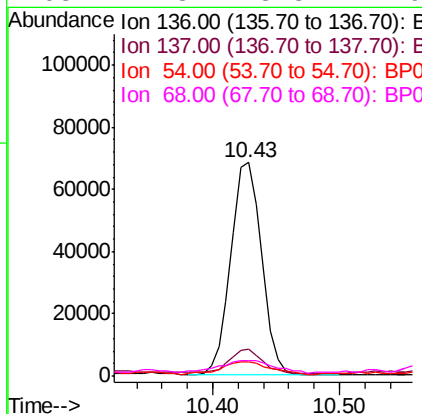
RT: 10.43 min Scan# 1282

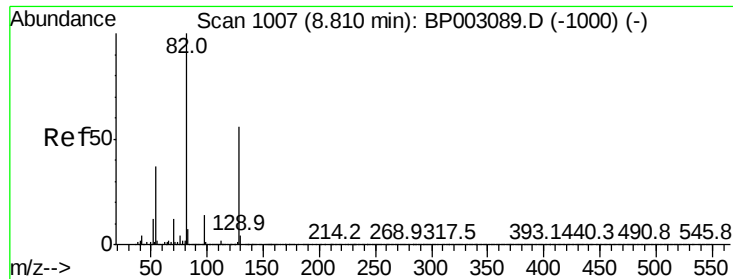
Delta R.T. -0.01 min

Lab File: BP003206.D

Acq: 04 Sep 2020 12:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		115262		
137	12.9	8.6	13.0		
54	6.6	3.6	5.4#		
68	7.3	3.3	4.9#		





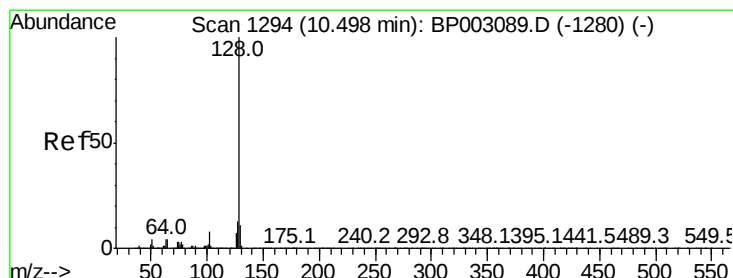
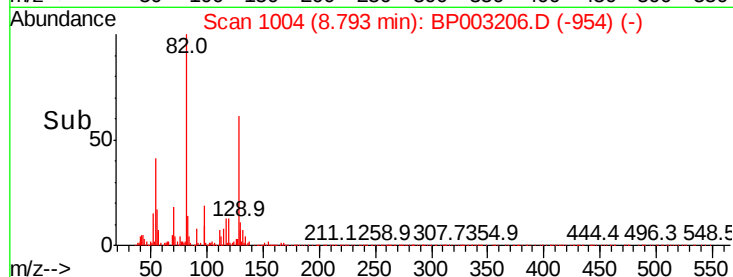
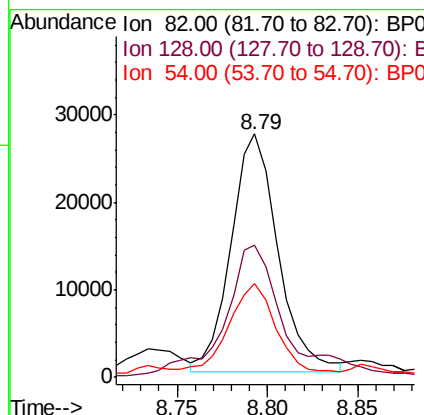
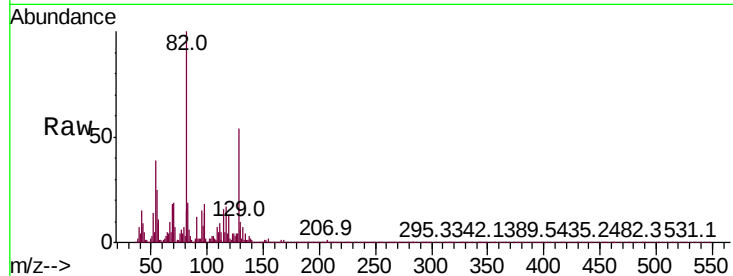
#23
 Nitrobenzene-d5
 Concen: 30.596 ng
 RT: 8.79 min Scan# 1004
 Delta R.T. -0.01 min
 Lab File: BP003206.D
 Acq: 04 Sep 2020 12:01

Instrument :
 BNA_P
 ClientSampled :
 TP-4

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	54.2	45.6	68.4	
54	38.8	30.1	45.1	

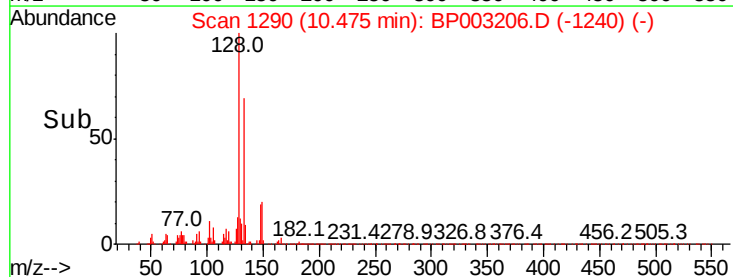
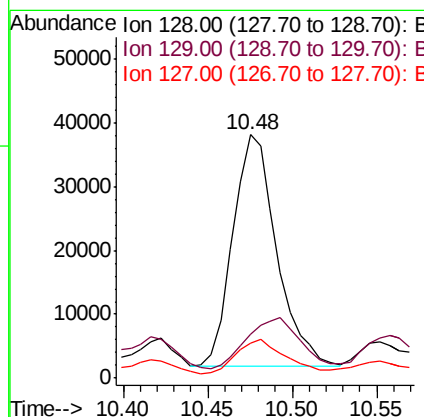
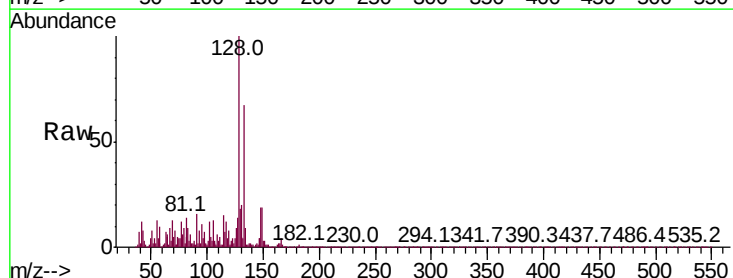
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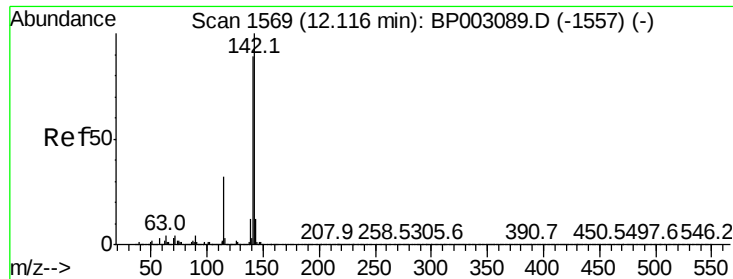
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#31
 Naphthalene
 Concen: 10.942 ng
 RT: 10.48 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BP003206.D
 Acq: 04 Sep 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	17.8	8.8	13.2#	
127	14.5	10.6	15.8	





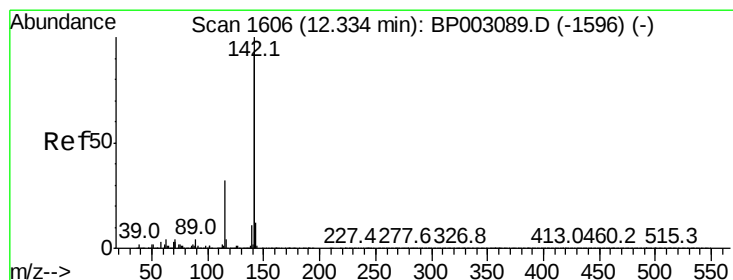
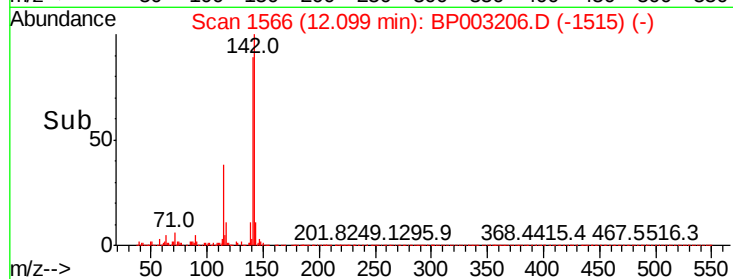
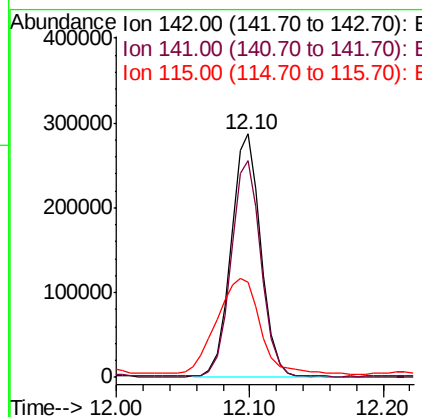
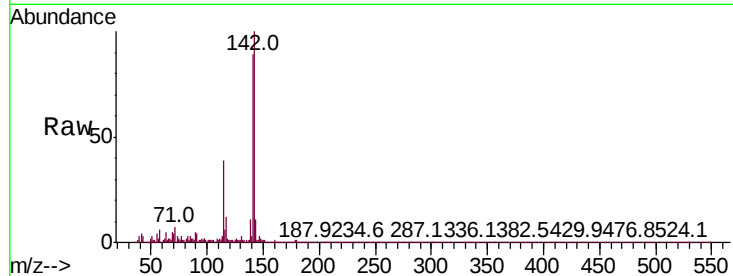
#37
2-Methylnaphthalene
Concen: 106.243 ng m
RT: 12.10 min Scan# 1566
Delta R.T. 0.00 min
Lab File: BP003206.D
Acq: 04 Sep 2020 12:01

Instrument :
BNA_P
ClientSampleId :
TP-4

Tot Ion	Ratio	Resp	Lower	Upper
142	100	450068		
141	88.8	71.4	107.2	
115	39.2	25.8	38.6	

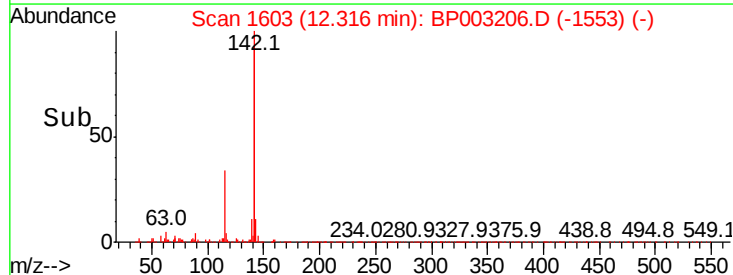
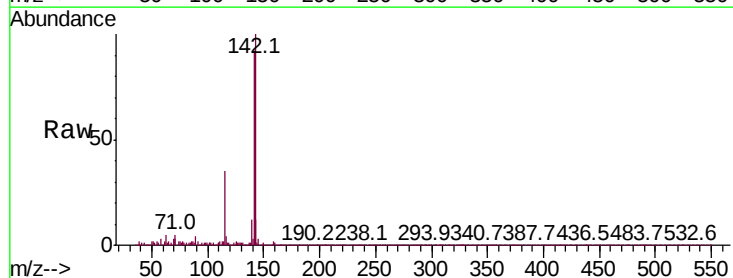
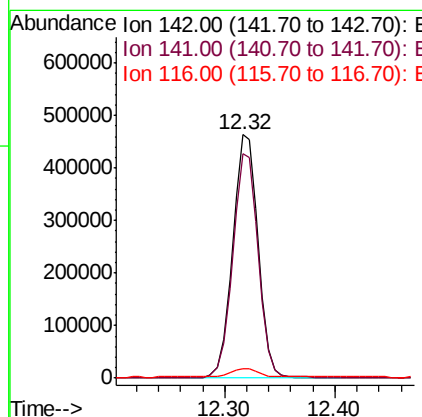
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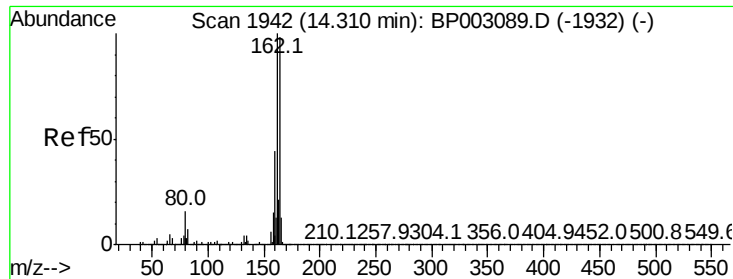
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#38
1-Methylnaphthalene
Concen: 184.862 ng
RT: 12.32 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BP003206.D
Acq: 04 Sep 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	744330		
141	92.4	74.4	111.6	
116	4.1	2.9	4.3	





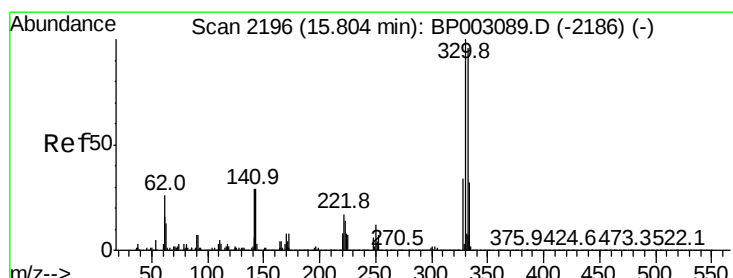
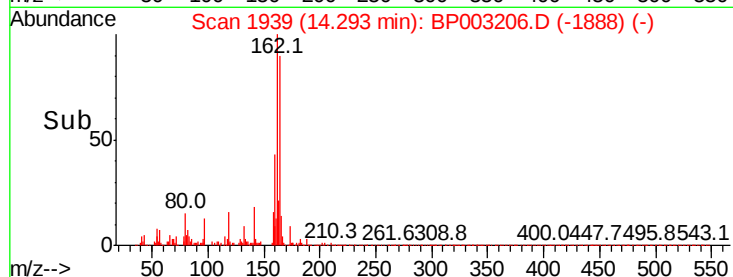
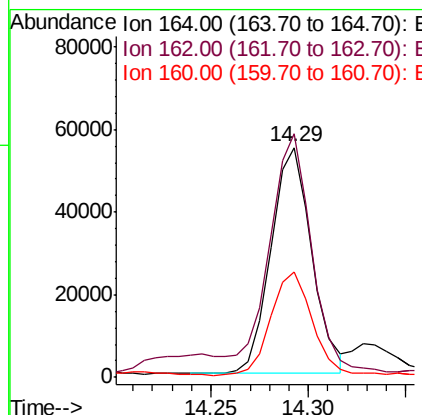
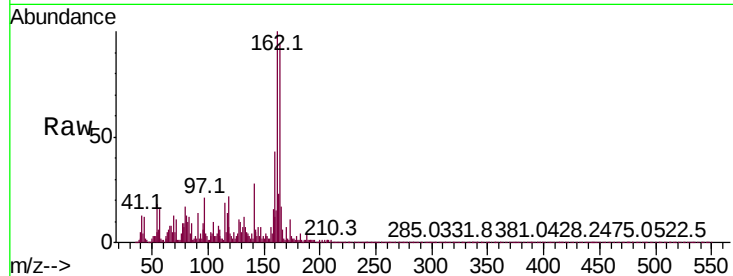
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.29 min Scan# 1939
Delta R.T. 0.00 min
Lab File: BP003206.D
Acq: 04 Sep 2020 12:01

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.8	79.4	119.2
160	45.9	36.1	54.1

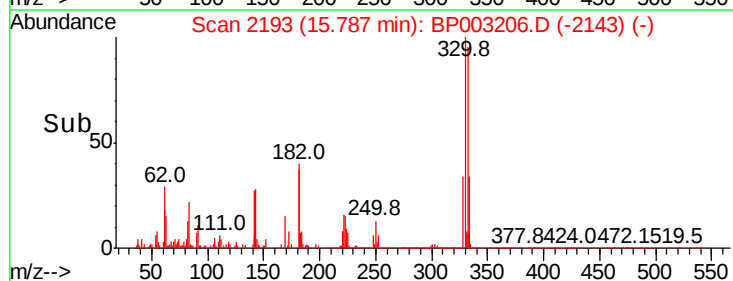
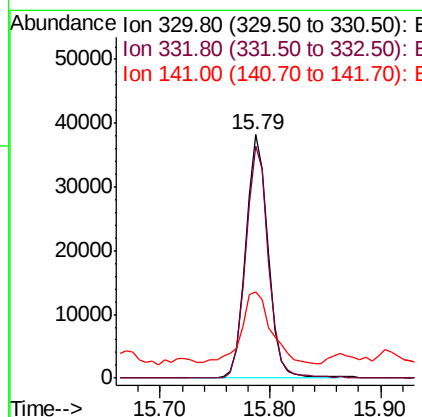
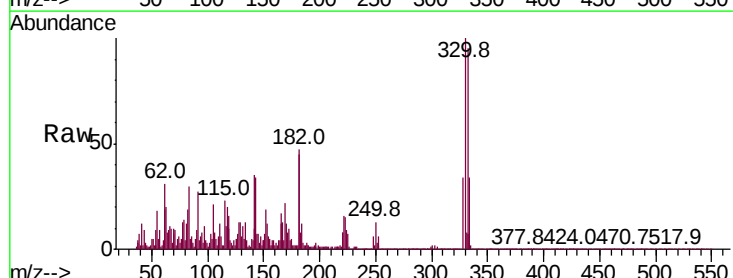
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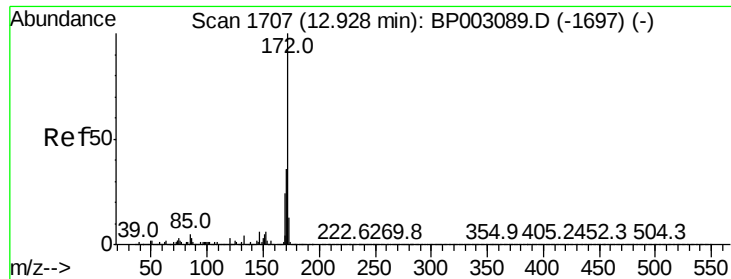
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#42
2,4,6-Tribromophenol
Concen: 50.534 ng
RT: 15.79 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BP003206.D
Acq: 04 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	38.9	23.4	35.2





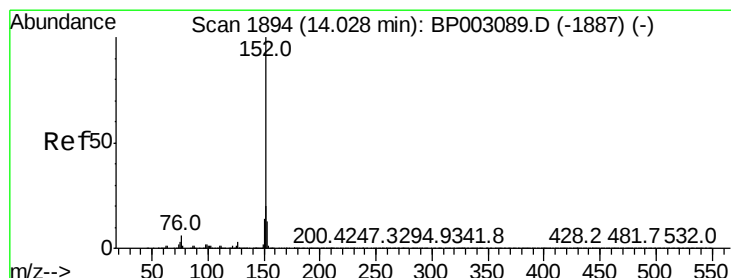
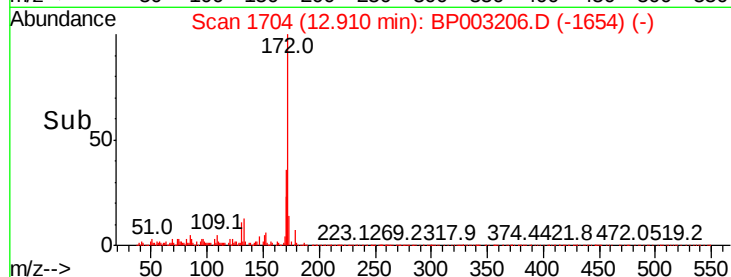
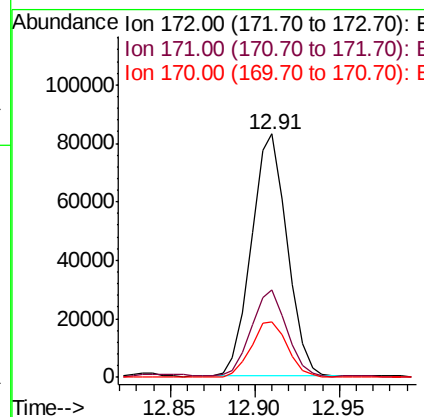
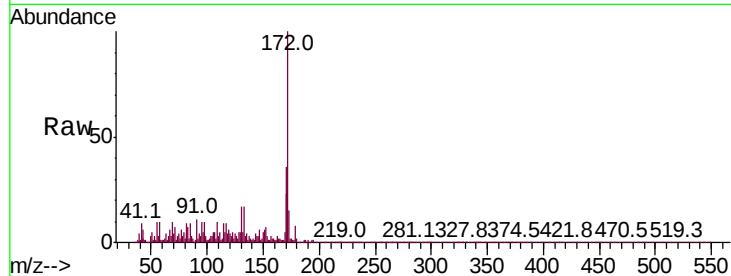
#45
2-Fluorobiphenyl
Concen: 22.563 ng
RT: 12.91 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BP003206.D
Acq: 04 Sep 2020 12:01

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Resp	Lower	Upper
172	100	122184		
171	35.7	28.5	42.7	
170	22.9	19.2	28.8	

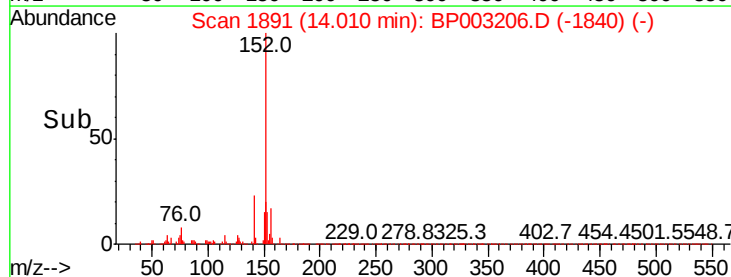
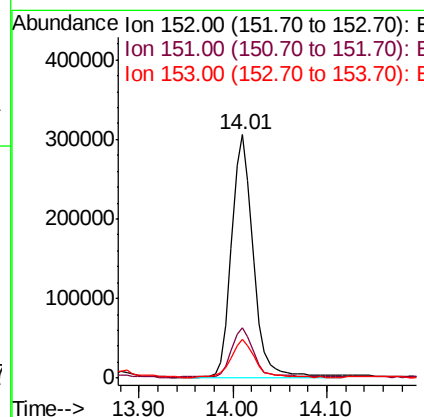
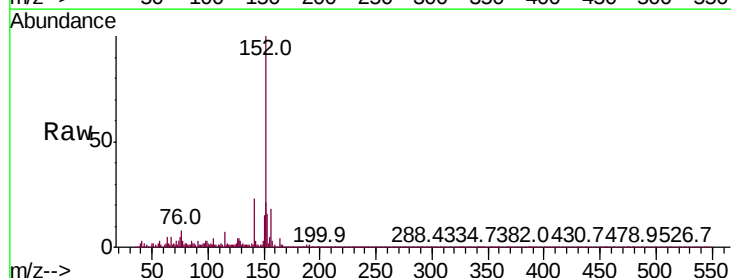
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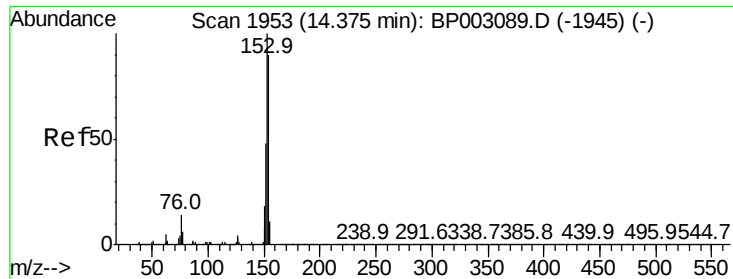
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#49
Acenaphthylene
Concen: 66.715 ng
RT: 14.01 min Scan# 1891
Delta R.T. 0.00 min
Lab File: BP003206.D
Acq: 04 Sep 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	491189		
151	20.9	15.9	23.9	
153	15.7	10.5	15.7#	





#52

Acenaphthene

Concen: 32.932 ng

RT: 14.36 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BP003206.D

Acq: 04 Sep 2020 12:01

Instrument :

BNA_P

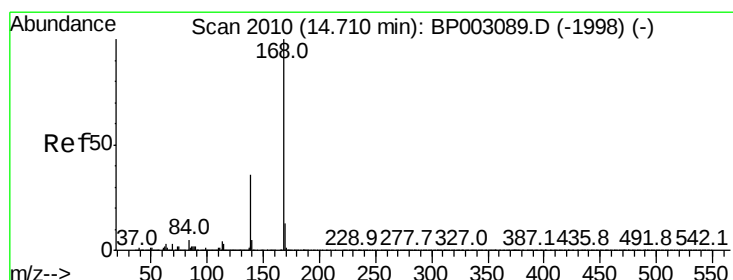
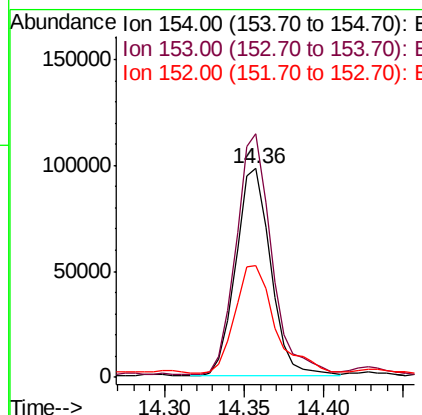
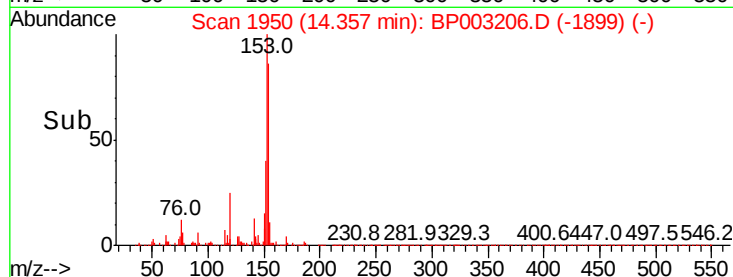
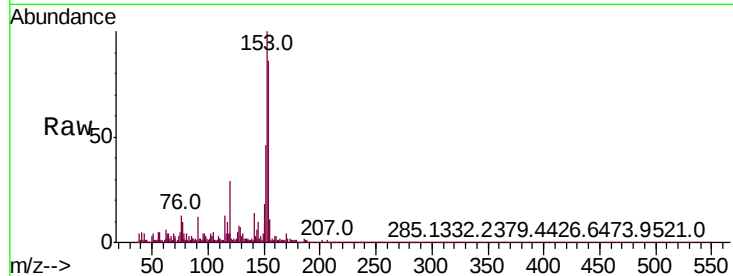
ClientSampled :

TP-4

Tot Ion:	154	Resp:	148958
Ion Ratio	Lower	Upper	
154	100		
153	116.7	91.0	136.6
152	53.6	43.0	64.6

Manual Integrations
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#55

Dibenzofuran

Concen: 9.050 ng m

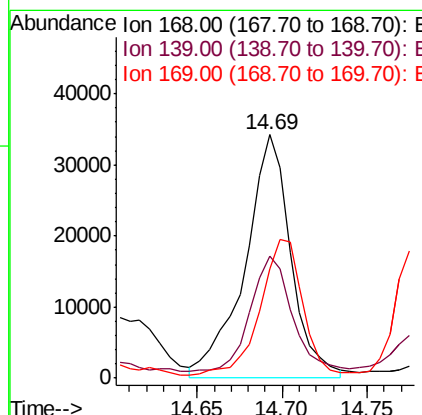
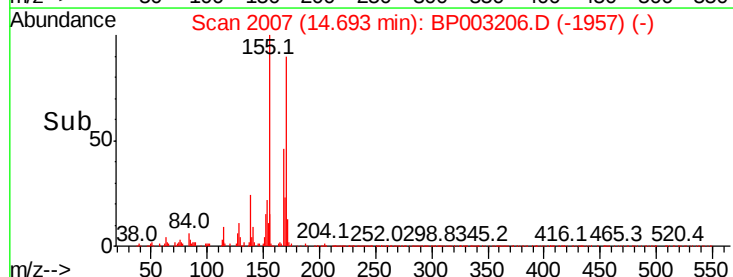
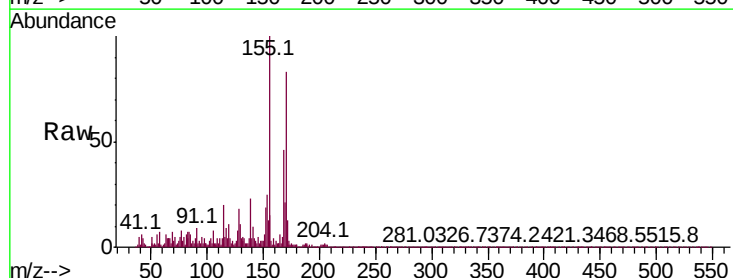
RT: 14.69 min Scan# 2007

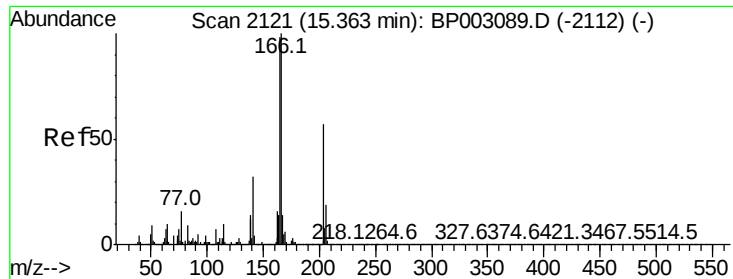
Delta R.T. -0.01 min

Lab File: BP003206.D

Acq: 04 Sep 2020 12:01

Tgt Ion:	168	Resp:	64284
Ion Ratio	Lower	Upper	
168	100		
139	49.9	29.1	43.7#
169	45.0	10.4	15.6#





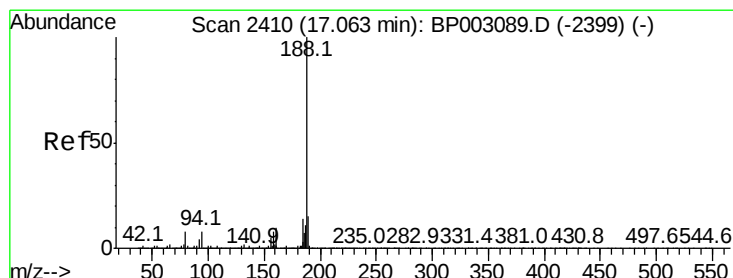
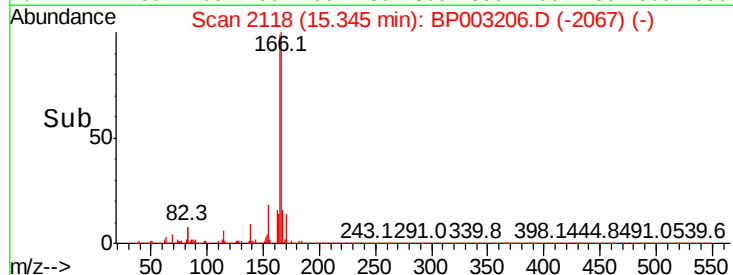
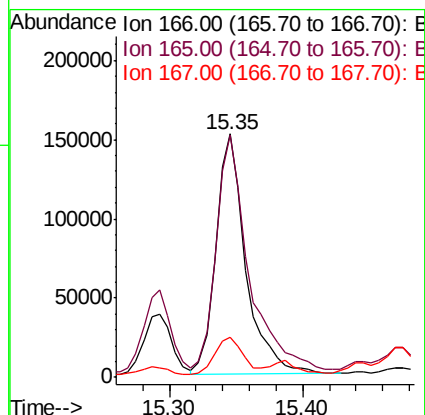
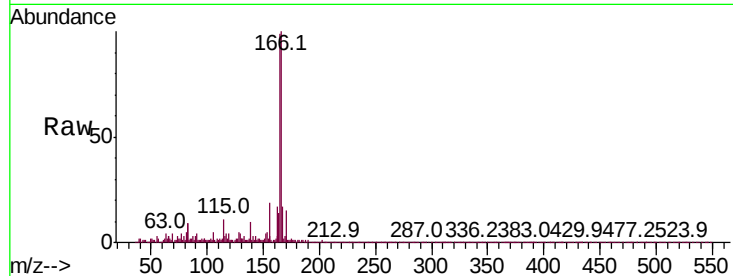
#58
 Fluorene
 Concen: 43.353 ng
 RT: 15.35 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: BP003206.D
 Acq: 04 Sep 2020 12:01

Instrument :
 BNA_P
 ClientSampleId :
 TP-4

Tot Ion:	166	Resp:	237229
Ion Ratio	Lower	Upper	
166	100		
165	99.4	77.8	116.8
167	16.7	11.0	16.4#

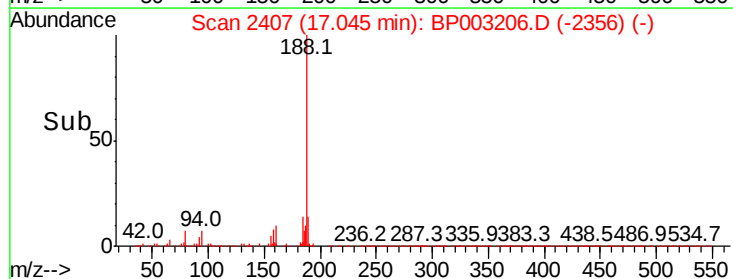
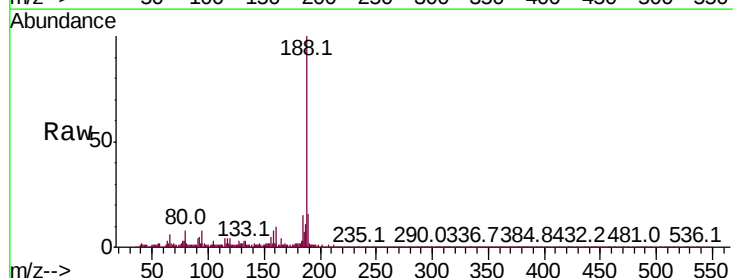
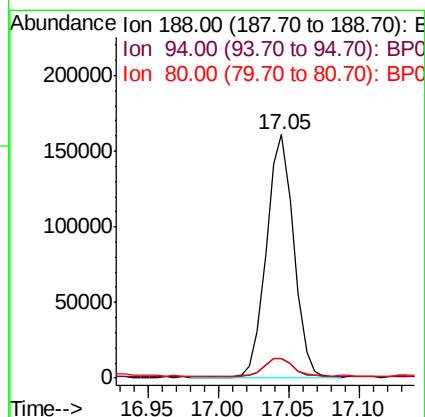
Manual Integrations
 APPROVED

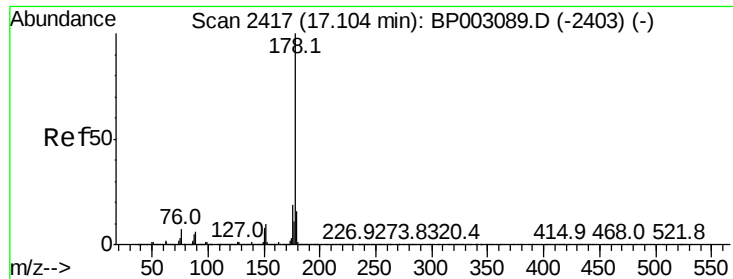
Sohil
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.05 min Scan# 2407
 Delta R.T. 0.00 min
 Lab File: BP003206.D
 Acq: 04 Sep 2020 12:01

Tgt Ion:	188	Resp:	218453
Ion Ratio	Lower	Upper	
188	100		
94	7.9	6.2	9.2
80	8.1	6.2	9.2





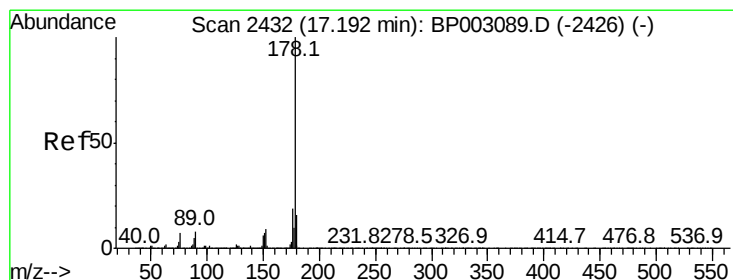
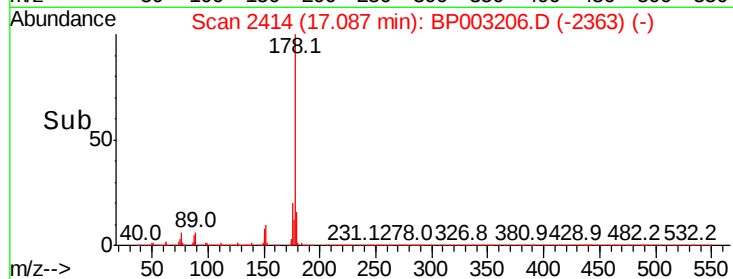
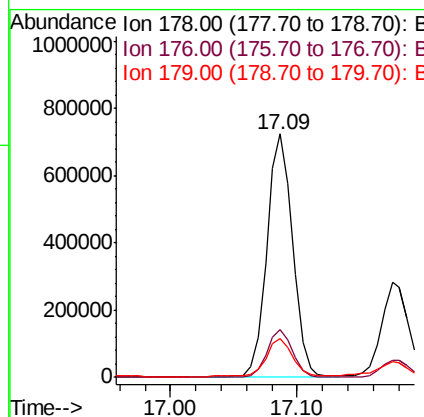
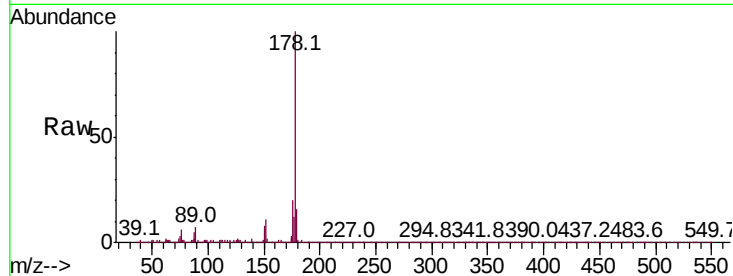
#71
Phenanthrene
Concen: 85.076 ng
RT: 17.09 min Scan# 2414
Delta R.T. 0.00 min
Lab File: BP003206.D
Acq: 04 Sep 2020 12:01

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.3	22.9
179	16.1	12.5	18.7

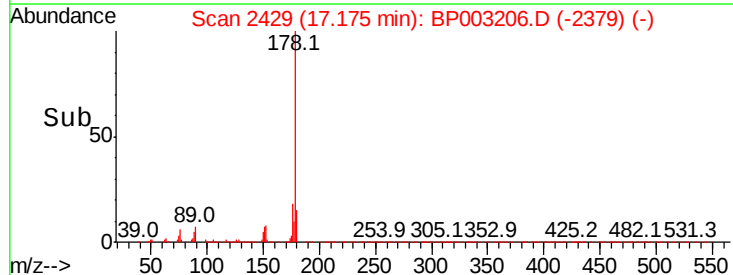
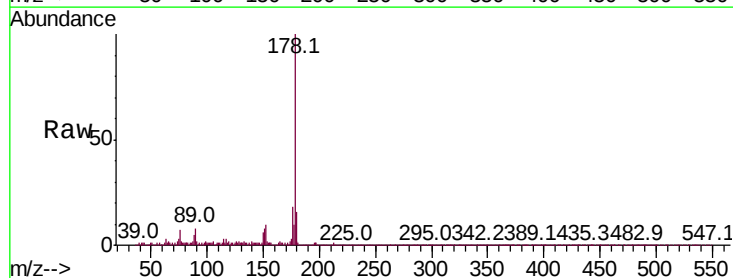
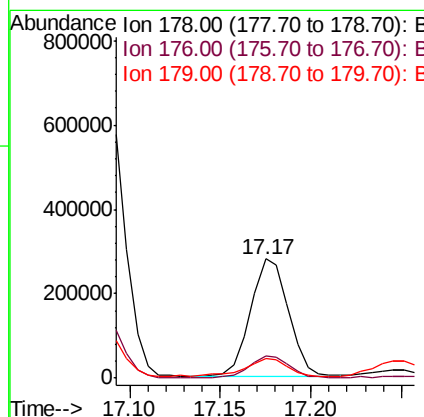
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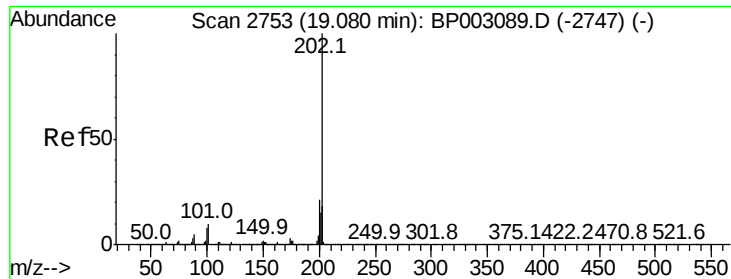
Sohil
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#72
Anthracene
Concen: 35.837 ng
RT: 17.17 min Scan# 2429
Delta R.T. -0.01 min
Lab File: BP003206.D
Acq: 04 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	16.1	12.5	18.7





#75

Fluoranthene

Concen: 52.402 ng

RT: 19.07 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BP003206.D

Acq: 04 Sep 2020 12:01

Instrument :

BNA_P

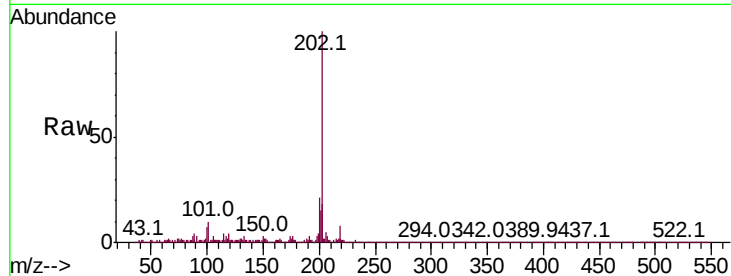
ClientSampled :

TP-4

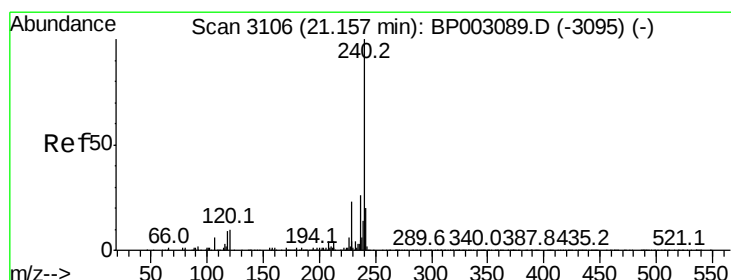
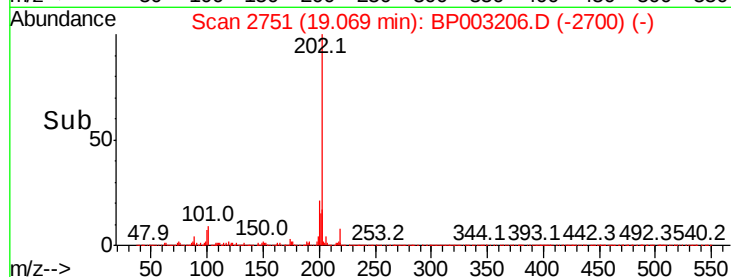
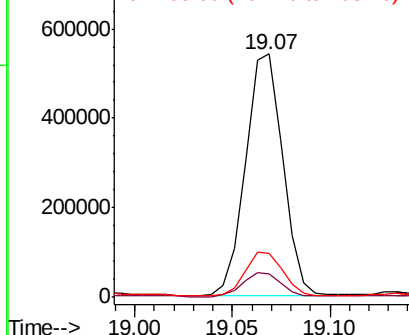
Tot Ion:	202	Resp:	716910
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	29.4
203	18.1	0.0	37.8

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

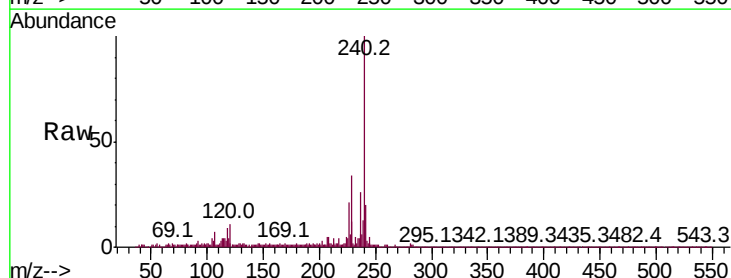
RT: 21.14 min Scan# 3103

Delta R.T. -0.01 min

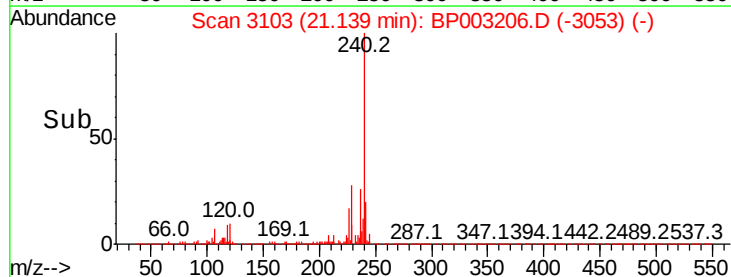
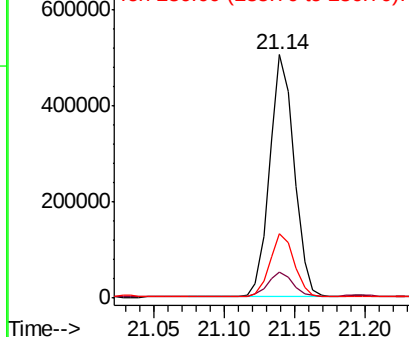
Lab File: BP003206.D

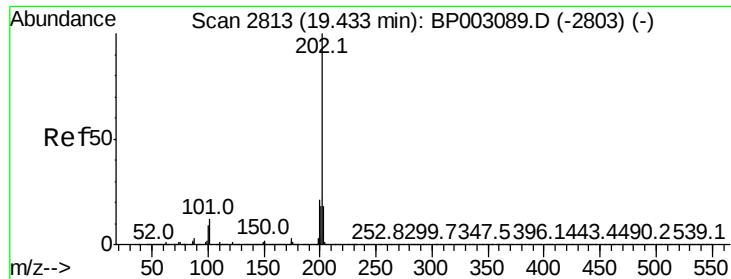
Acq: 04 Sep 2020 12:01

Tgt Ion:	240	Resp:	616909
Ion Ratio	Lower	Upper	
240	100		
120	12.8	7.8	11.6#
236	26.3	20.8	31.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





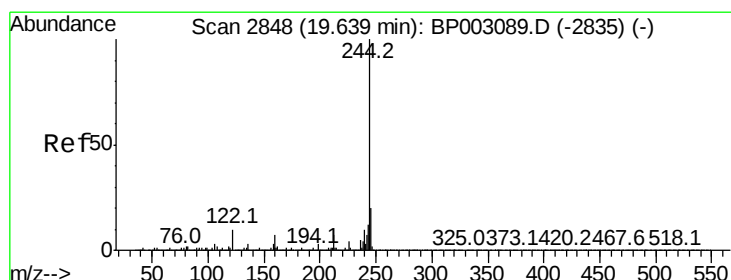
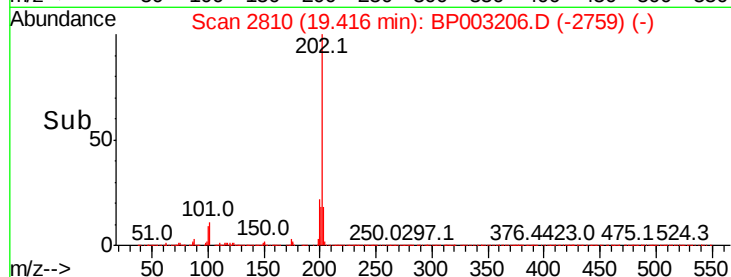
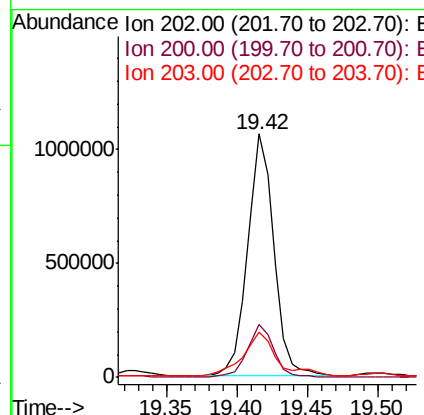
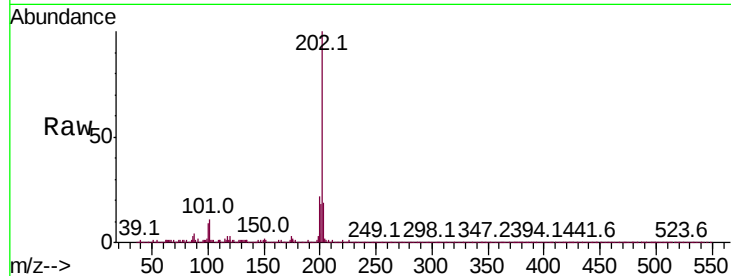
#78
Pvrene
Concen: 34.655 ng
RT: 19.42 min Scan# 2810
Delta R.T. 0.00 min
Lab File: BP003206.D
Acq: 04 Sep 2020 12:01

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.1	25.7
203	18.6	14.2	21.2

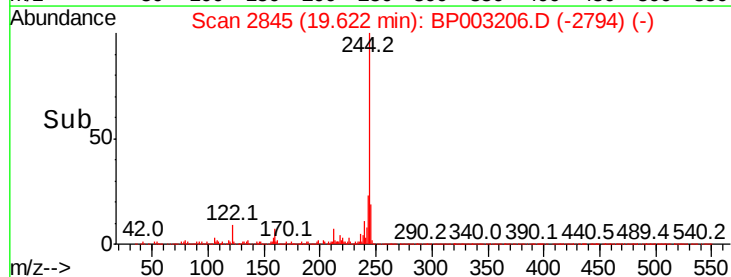
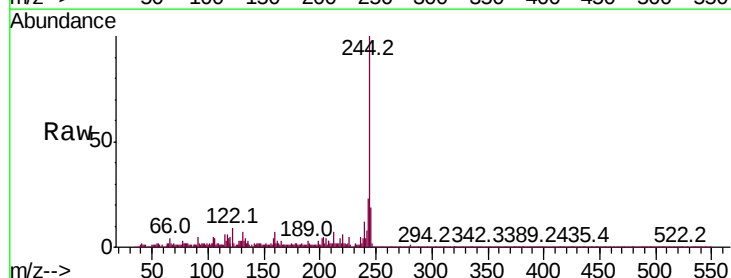
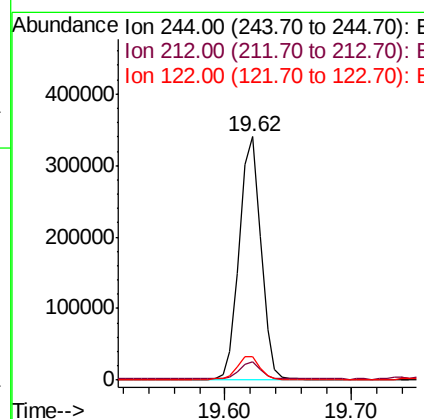
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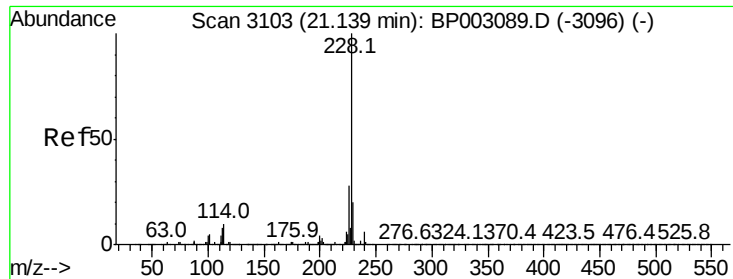
Sohil
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#79
Terphenyl-d14
Concen: 14.169 ng
RT: 19.62 min Scan# 2845
Delta R.T. 0.00 min
Lab File: BP003206.D
Acq: 04 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.5	7.8	11.8





#81

Benzo(a)anthracene

Concen: 19.119 ng

RT: 21.13 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BP003206.D

Acq: 04 Sep 2020 12:01

Instrument :

BNA_P

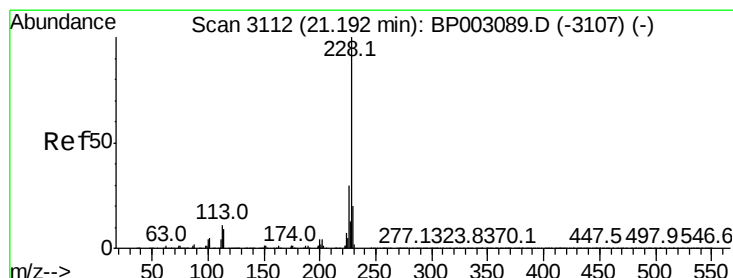
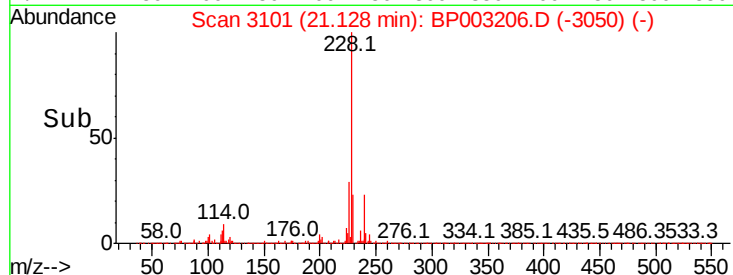
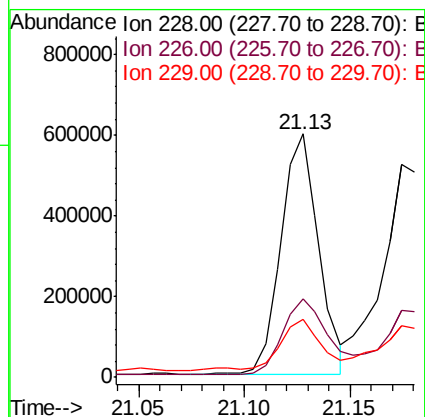
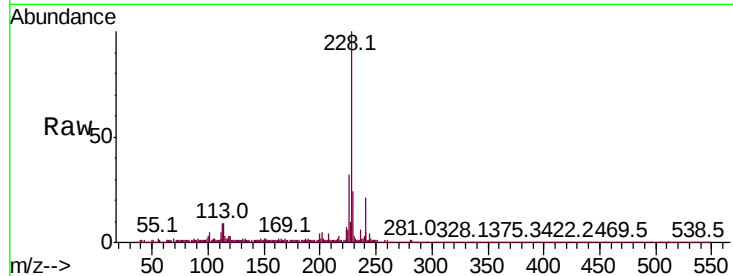
ClientSampled :

TP-4

Tot Ion:	228	Resp:	738791
Ion Ratio	Lower	Upper	
228	100		
226	32.2	22.1	33.1
229	23.9	15.9	23.9#

Manual Integrations
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#83

Chrysene

Concen: 20.731 ng

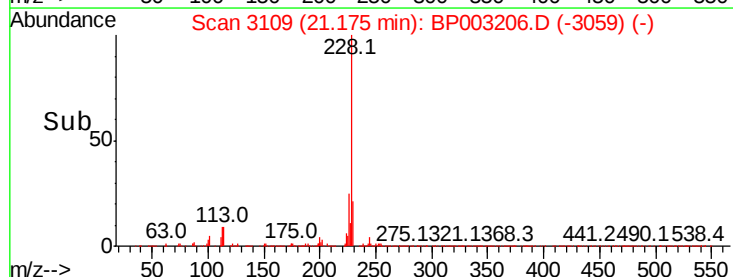
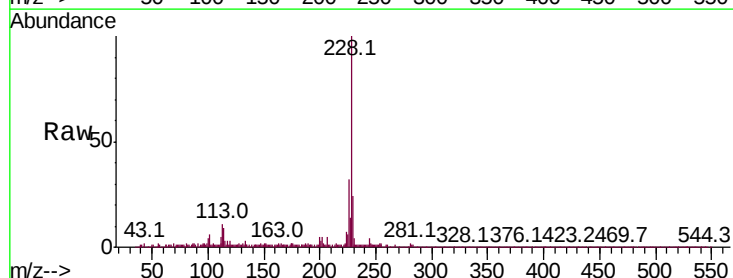
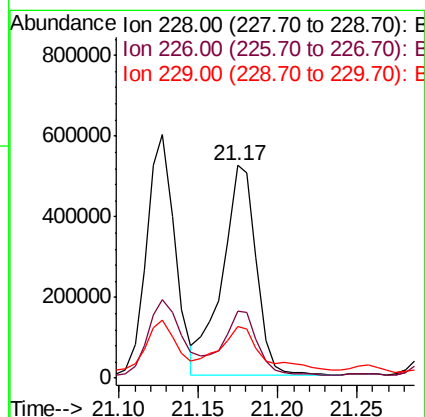
RT: 21.17 min Scan# 3109

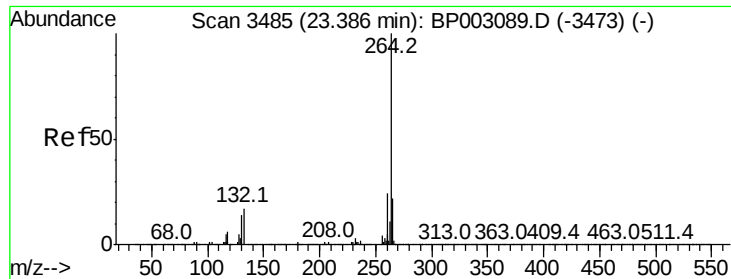
Delta R.T. -0.01 min

Lab File: BP003206.D

Acq: 04 Sep 2020 12:01

Tgt Ion:	228	Resp:	767014
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.4	36.6
229	24.4	15.8	23.6#





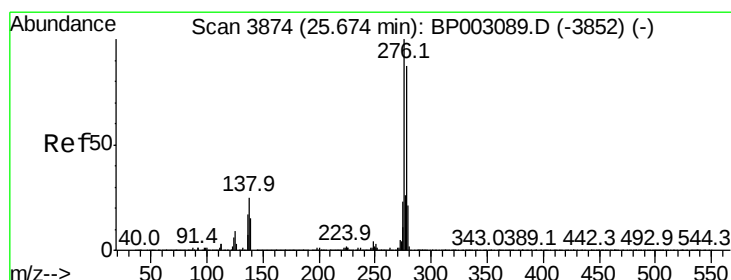
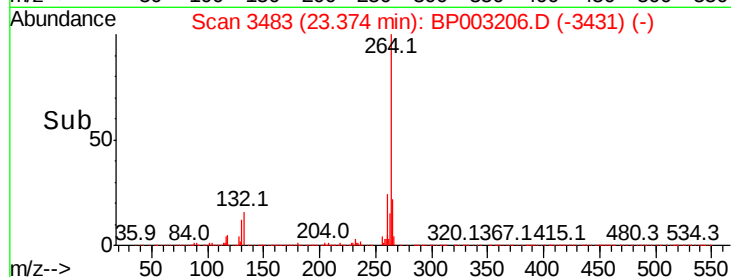
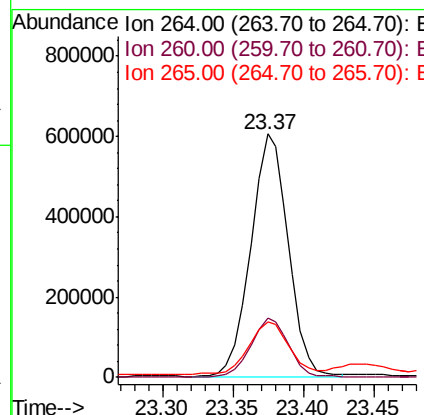
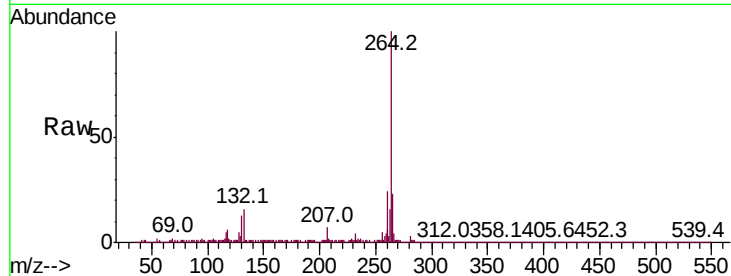
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.37 min Scan# 3483
Delta R.T. 0.01 min
Lab File: BP003206.D
Acq: 04 Sep 2020 12:01

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	22.7	17.4	26.2

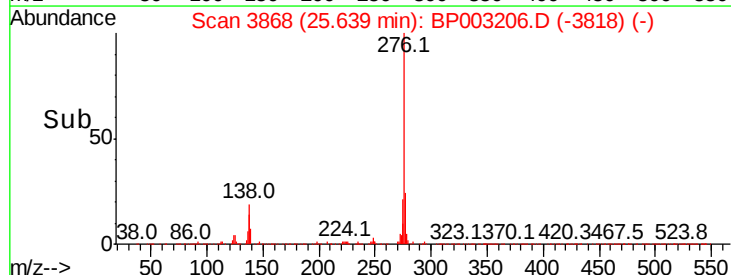
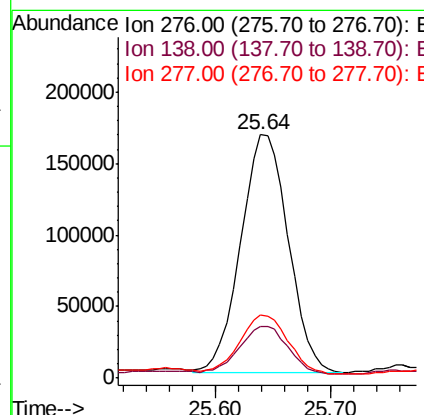
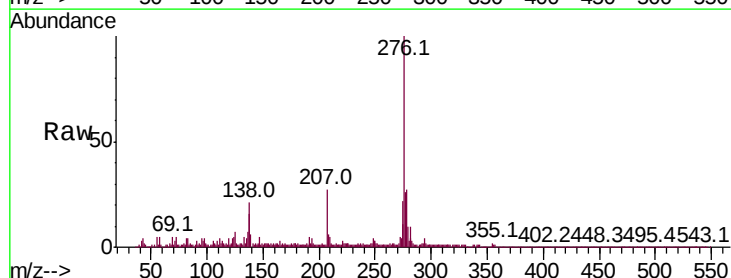
Manual Integrations
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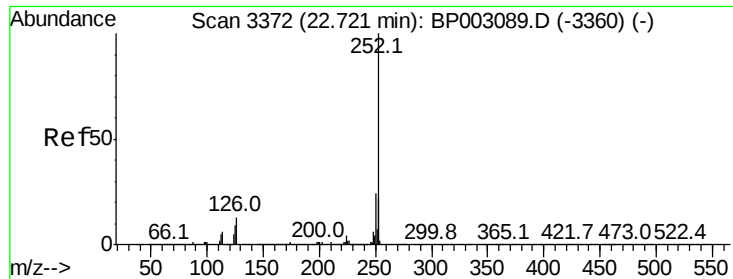
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#87
Indeno(1,2,3-cd)pyrene
Concen: 5.701 ng
RT: 25.64 min Scan# 3868
Delta R.T. -0.01 min
Lab File: BP003206.D
Acq: 04 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	18.7	28.1
277	25.5	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 11.606 ng m

RT: 22.70 min Scan# 3369

Delta R.T. 0.00 min

Lab File: BP003206.D

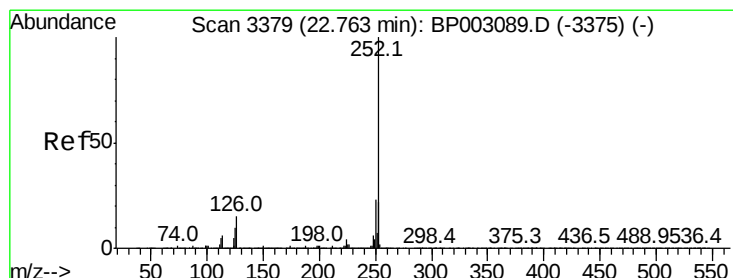
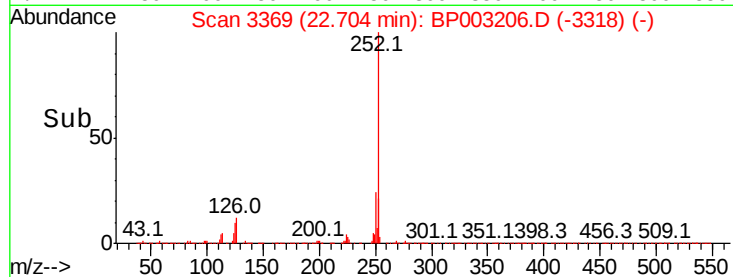
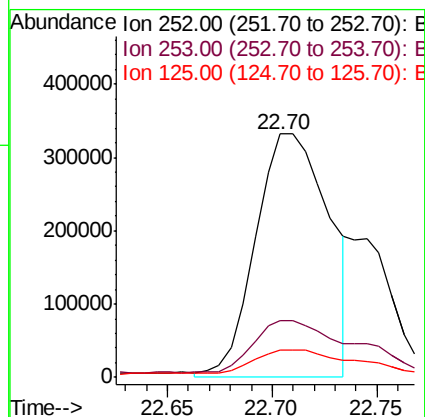
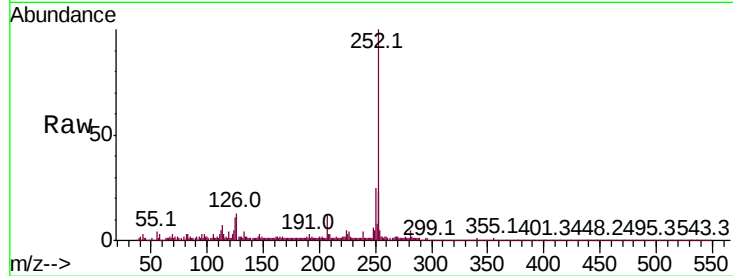
Acq: 04 Sep 2020 12:01

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	11.2	7.3	10.9#

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 4.184 ng m

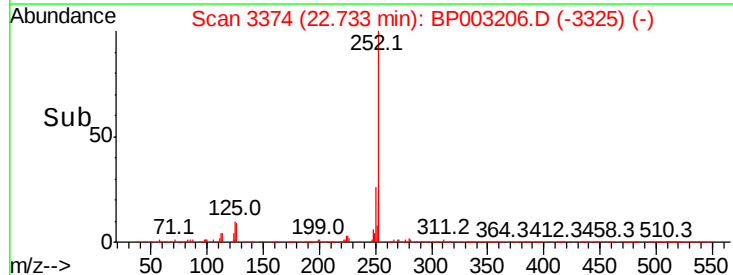
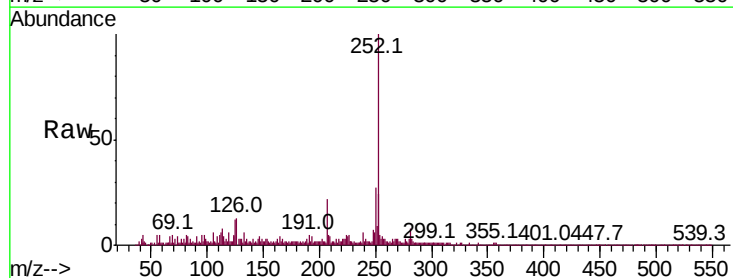
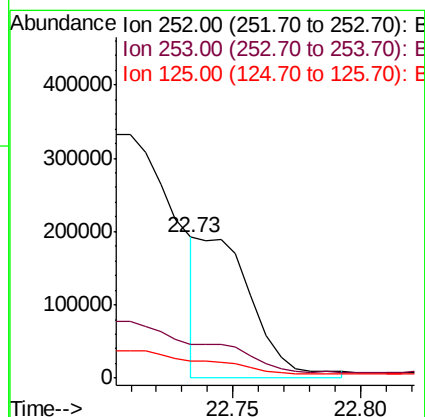
RT: 22.73 min Scan# 3374

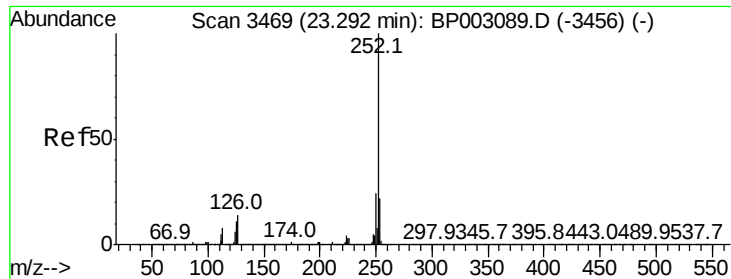
Delta R.T. -0.01 min

Lab File: BP003206.D

Acq: 04 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	12.3	7.4	11.2#





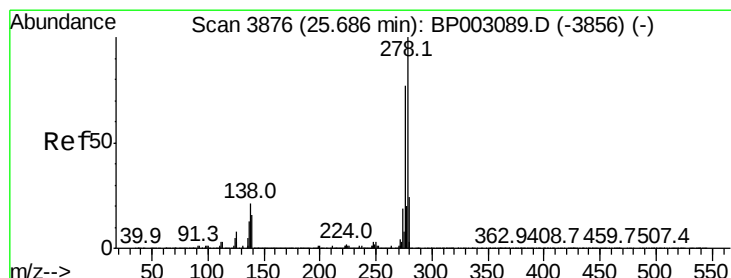
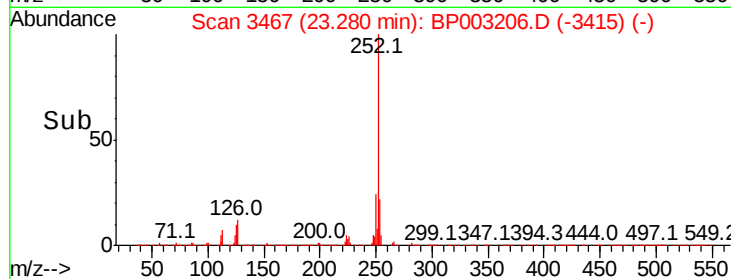
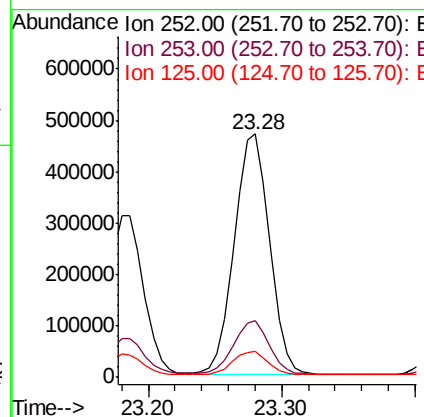
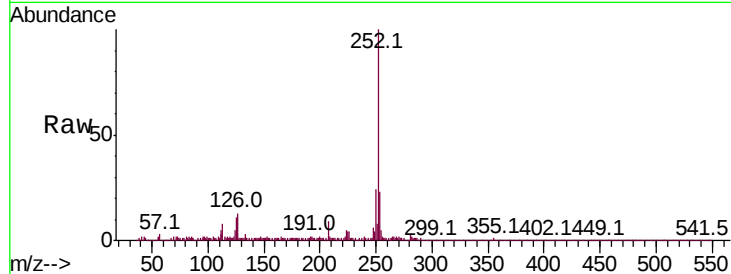
#90
Benzo(a)pyrene
Concen: 13.341 ng
RT: 23.28 min Scan# 3467
Delta R.T. 0.01 min
Lab File: BP003206.D
Acq: 04 Sep 2020 12:01

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	10.6	8.2	12.4

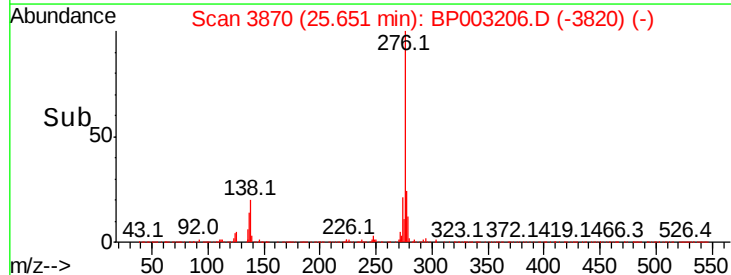
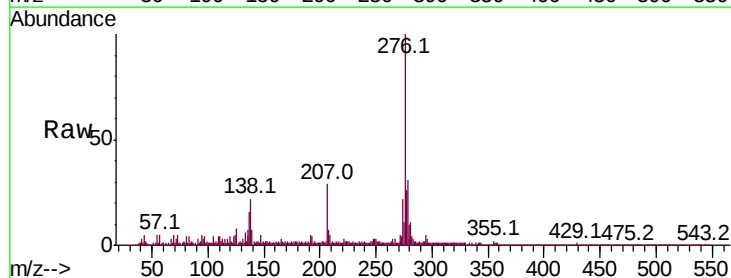
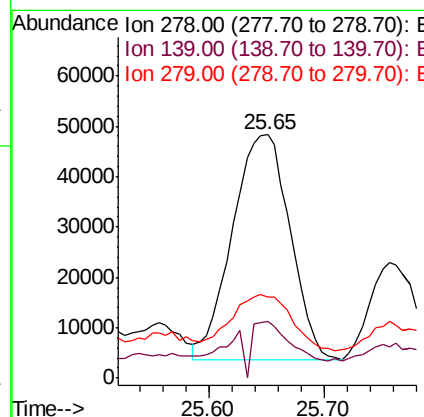
Manual Integrations
APPROVED

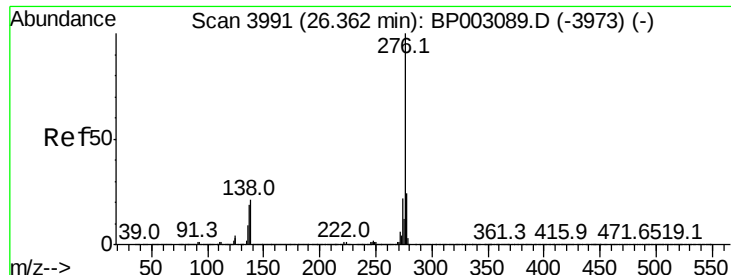
Sohil
9/9/2020 3:47:22 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.271 ng
RT: 25.65 min Scan# 3870
Delta R.T. -0.01 min
Lab File: BP003206.D
Acq: 04 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.4	12.4	18.6#
279	33.5	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 8.221 ng
 RT: 26.34 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: BP003206.D
 Acq: 04 Sep 2020 12:01

Instrument :
 BNA_P
 ClientSampleId :
 TP-4

Tot Ion:	276	Resp:	565261
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.0	28.6
138	20.1	16.6	24.8

Manual Integrations
 APPROVED

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