

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
 Data File : BP001405.D
 Acq On : 25 Dec 2019 00:33
 Operator : JU
 Sample : K6396-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleID :
 SB-4-(0-2)

Manual Integrations
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Quant Time: Dec 26 06:49:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 16:04:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	39880	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	139780	20.00	ng	0.00
39) Acenaphthene-d10	13.18	164	78396	20.00	ng	0.00
64) Phenanthrene-d10	15.58	188	144380	20.00	ng	0.00
76) Chrysene-d12	19.24	240	116369	20.00	ng	0.01
87) Perylene-d12	21.01	264	127845	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	134957	54.69	ng	0.00
7) Phenol-d6	7.75	99	188539	58.56	ng	0.00
23) Nitrobenzene-d5	9.16	82	128973	35.43	ng	-0.01
42) 2,4,6-Tribromophenol	14.47	330	51812	52.86	ng	0.00
45) 2-Fluorobiphenyl	12.10	172	224234	36.17	ng	0.00
79) Terphenyl-d14	17.87	244	241009	35.47	ng	0.00

Target Compounds				Qvalue		
10) Phenol	7.76	94	7695	2.092	ng	85
20) 3+4-Methylphenols	8.99	107	8355m	2.872	ng	
31) Naphthalene	10.35	128	57410	7.524	ng	99
32) Benzoic acid	10.03	122	1116m	5.680	ng	
37) 2-Methylnaphthalene	11.48	142	18078	3.432	ng	97
38) 1-Methylnaphthalene	11.64	142	14638m	2.956	ng	
49) Acenaphthylene	12.95	152	23693	3.056	ng	97
52) Acenaphthene	13.23	154	42724	9.146	ng	97
55) Dibenzofuran	13.52	168	50342	6.878	ng	96
58) Fluorene	14.08	166	53022	9.058	ng	99
71) Phenanthrene	15.63	178	736964	89.467	ng	99
72) Anthracene	15.70	178	169074	20.734	ng	99
73) Carbazole	15.95	167	63819	8.778	ng	99
75) Fluoranthene	17.35	202	977568	106.134	ng	99
78) Pyrene	17.65	202	839804	92.947	ng	99
81) Benzo(a)anthracene	19.23	228	425879	50.224	ng	97
83) Chrysene	19.27	228	373046	45.578	ng	97
84) Bis(2-ethylhexyl)phthalate	19.27	149	43009	6.958	ng	99
86) Indeno(1,2,3-cd)pyrene	22.64	276	196810	22.265	ng	95
88) Benzo(b)fluoranthene	20.53	252	504308m	60.065	ng	
89) Benzo(k)fluoranthene	20.56	252	131694m	16.466	ng	
90) Benzo(a)pyrene	20.94	252	333441	43.596	ng	# 96
91) Dibenz(a,h)anthracene	22.66	278	51609	6.901	ng	# 92
92) Benzo(g,h,i)perylene	23.13	276	175664	24.583	ng	97

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

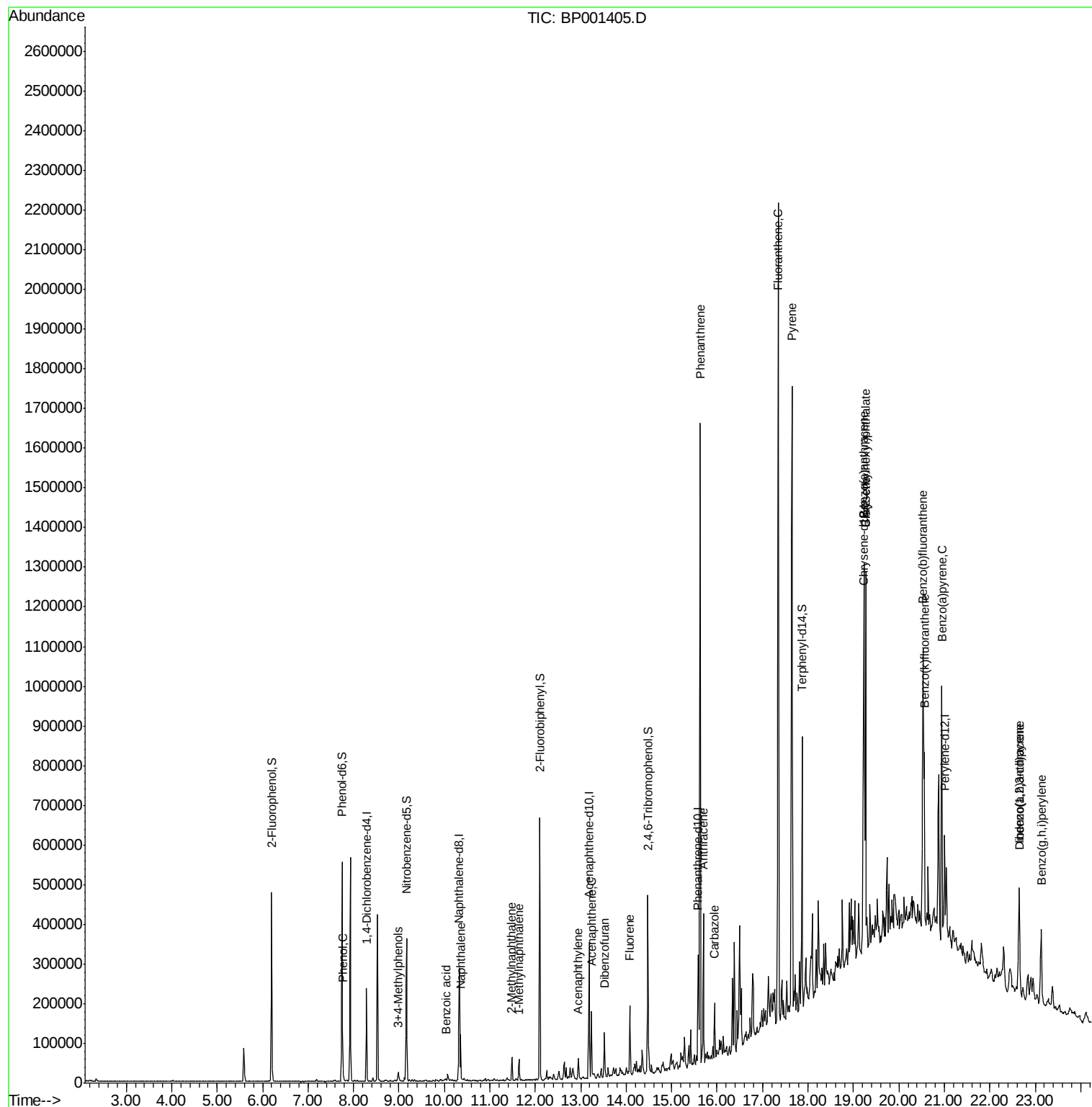
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
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Misc :
ALS Vial : 23 Sample Multiplier: 1

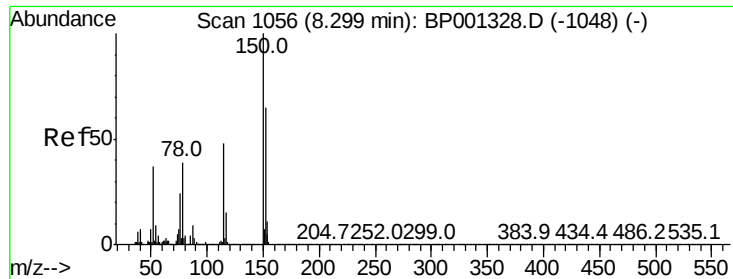
Instrument :
BNA_P
ClientSampleId :
SB-4-(0-2)

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Quant Time: Dec 26 06:49:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 16:04:49 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.29 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BP001405.D

Acq: 25 Dec 2019 00:33

Instrument :

BNA_P

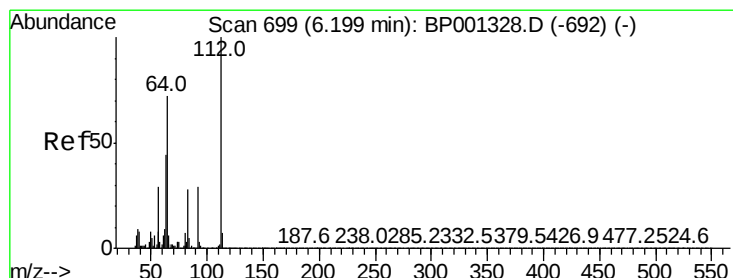
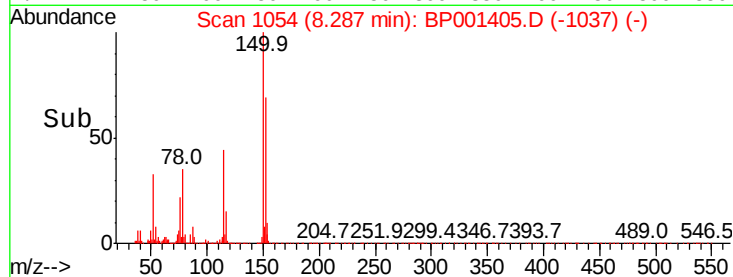
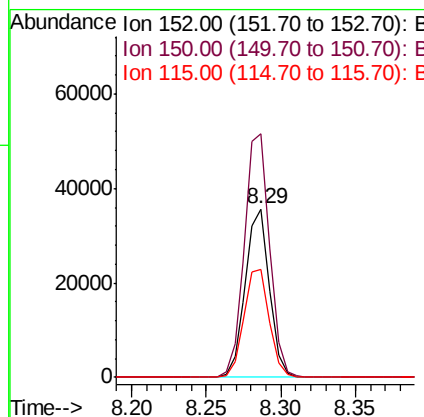
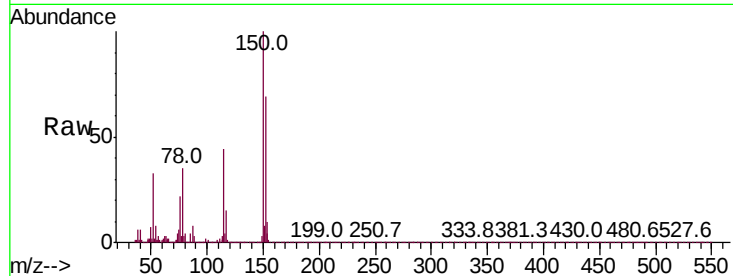
ClientSampleId :

SB-4-(0-2)

Tot Ion:	152	Resp:	39880
Ion Ratio	Lower	Upper	
152	100		
150	144.5	127.0	190.6
115	63.8	56.1	84.1

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#5

2-Fluorophenol

Concen: 54.693 ng

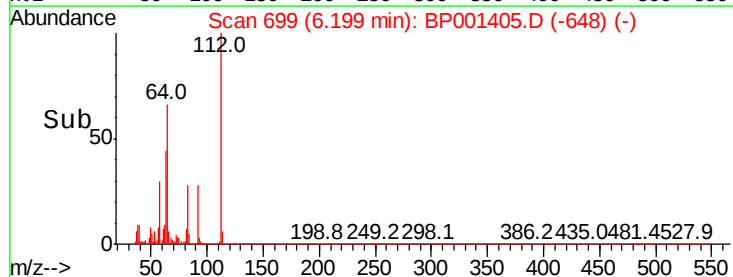
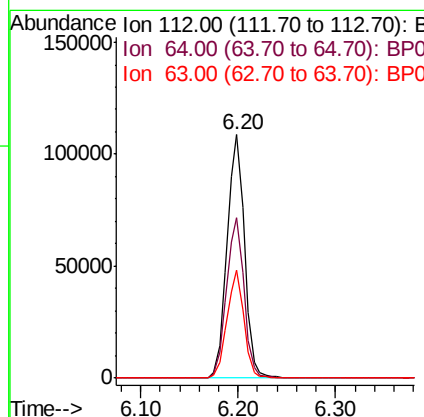
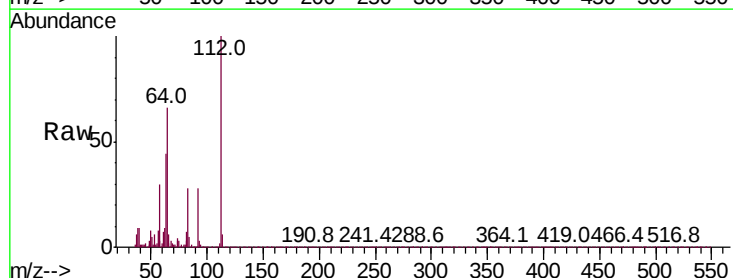
RT: 6.20 min Scan# 699

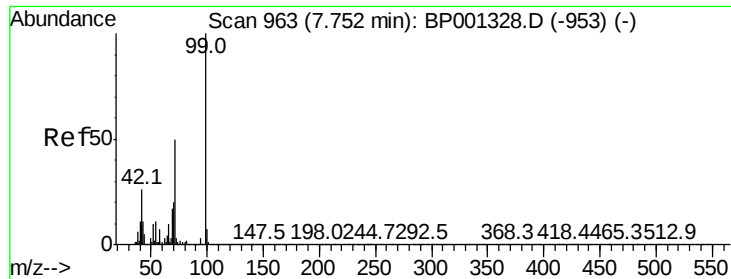
Delta R.T. -0.00 min

Lab File: BP001405.D

Acq: 25 Dec 2019 00:33

Tgt Ion:	112	Resp:	134957
Ion Ratio	Lower	Upper	
112	100		
64	66.0	53.9	80.9
63	44.2	33.4	50.0





#7

Phenol-d6

Concen: 58.556 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.01 min

Lab File: BP001405.D

Acq: 25 Dec 2019 00:33

Instrument :

BNA_P

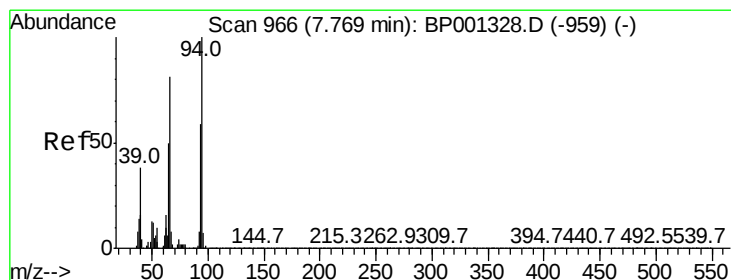
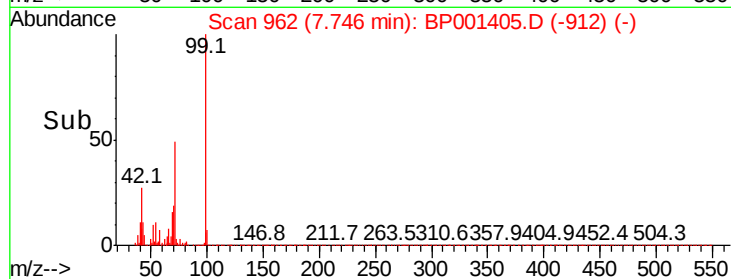
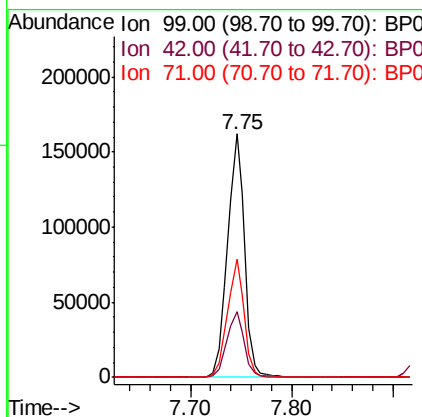
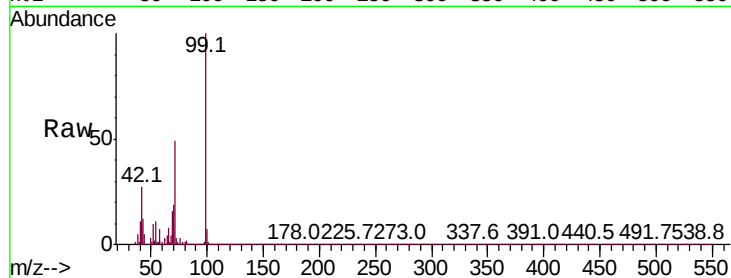
ClientSampleId :

SB-4-(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		188539		
42	26.8	20.8	31.2		
71	48.8	38.2	57.4		

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#10

Phenol

Concen: 2.092 ng

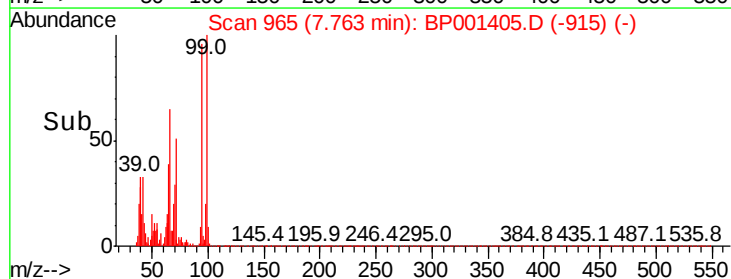
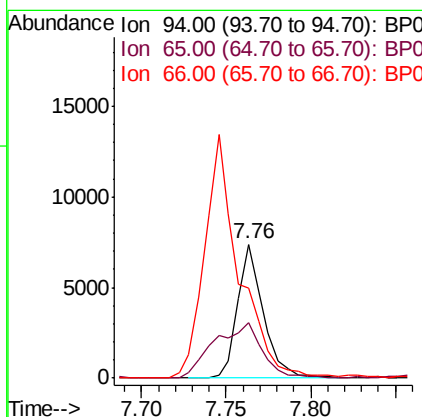
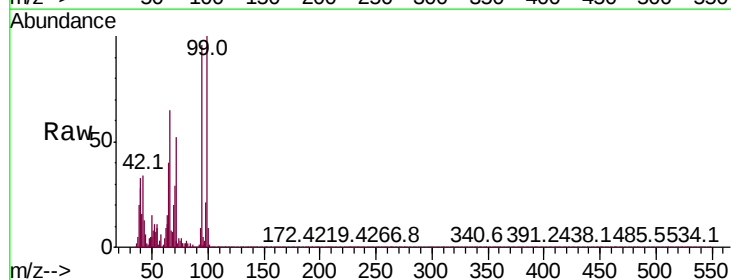
RT: 7.76 min Scan# 965

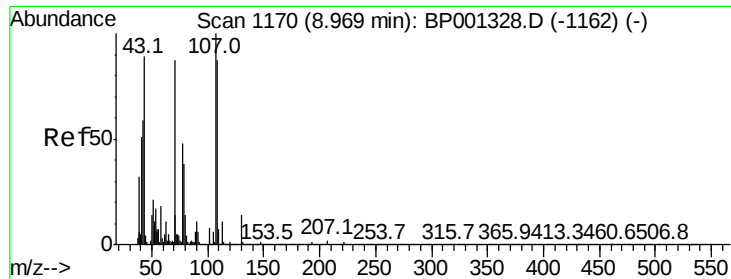
Delta R.T. -0.01 min

Lab File: BP001405.D

Acq: 25 Dec 2019 00:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		7695		
65	41.0	29.6	69.6		
66	67.8	62.3	102.3		





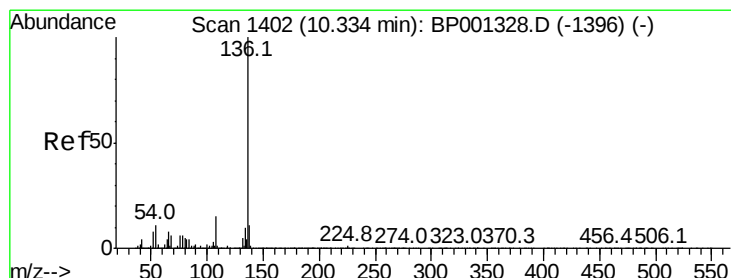
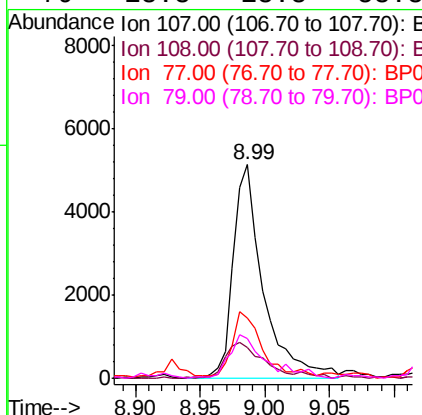
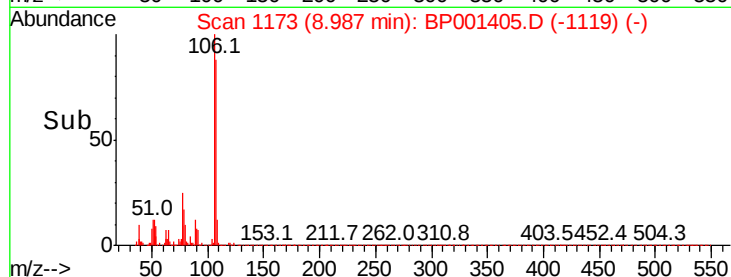
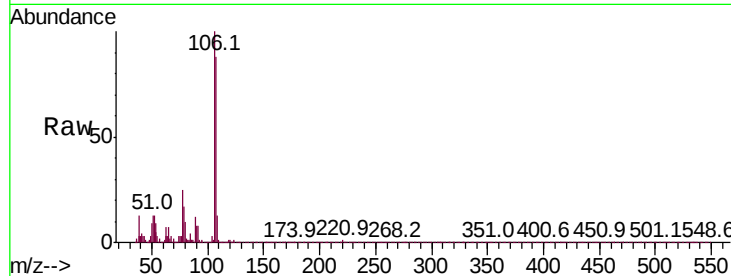
#20
3+4-Methylphenols
Concen: 2.872 ng m
RT: 8.99 min Scan# 1173
Delta R.T. 0.02 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Instrument :
BNA_P
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
107	100		
108	14.2	70.4	110.4#
77	28.2	24.5	64.5
79	18.8	18.8	58.8

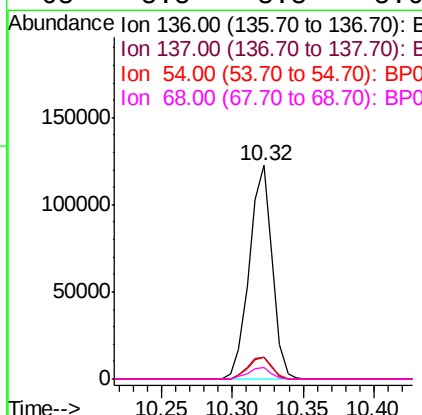
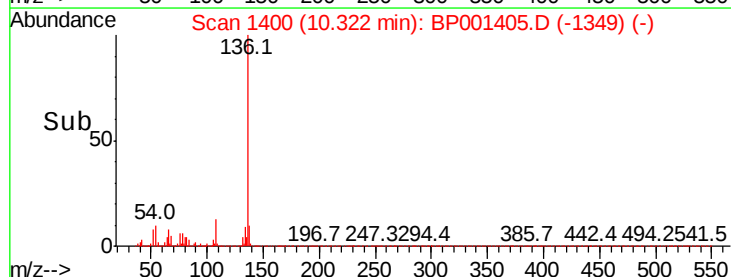
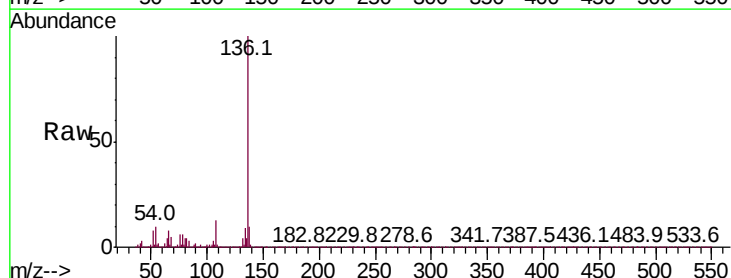
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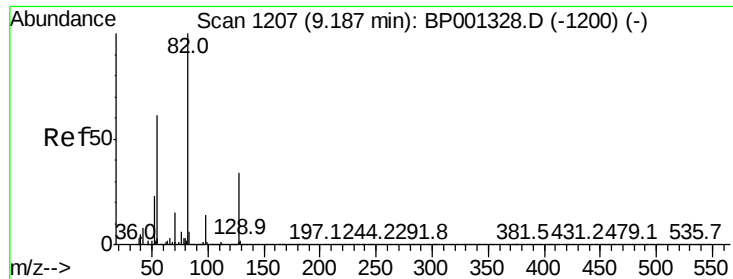
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.0	13.4
54	10.3	7.3	10.9
68	5.5	3.8	5.6





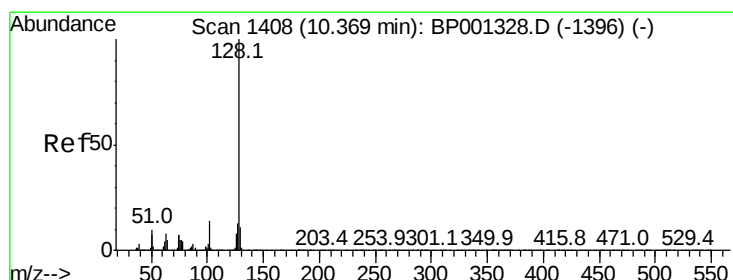
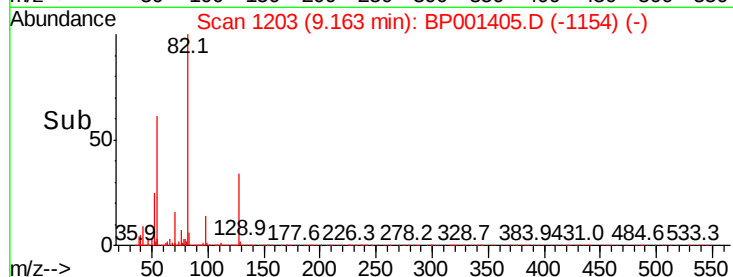
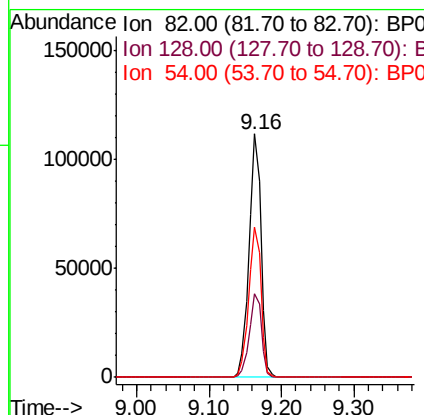
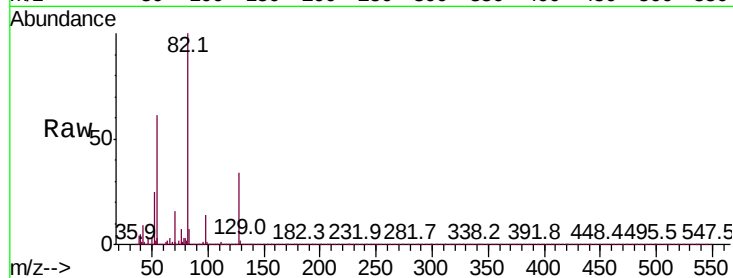
#23
Nitrobenzene-d5
Concen: 35.432 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Instrument :
BNA_P
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	34.4	27.4	41.0
54	61.4	47.5	71.3

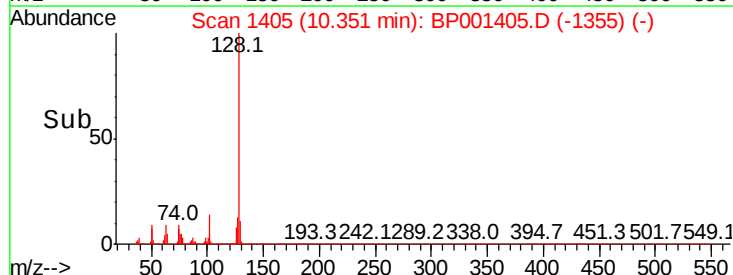
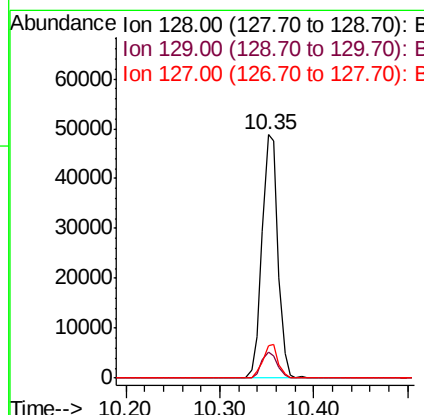
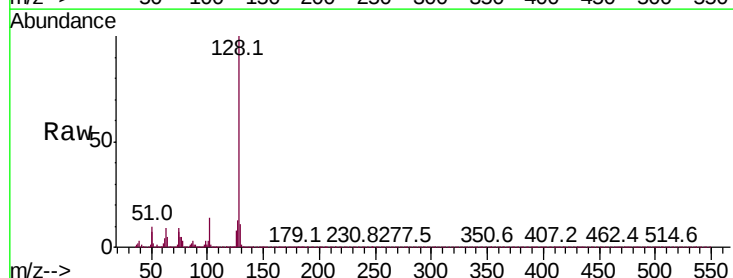
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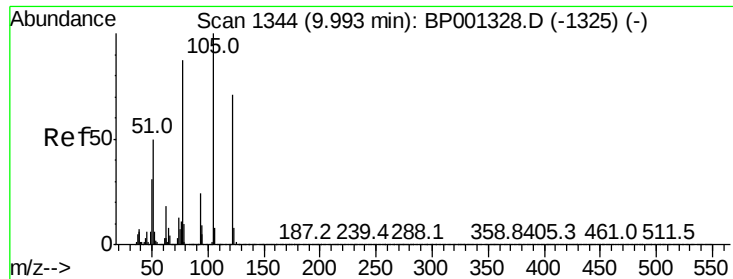
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#31
Naphthalene
Concen: 7.524 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.2	11.0	16.6





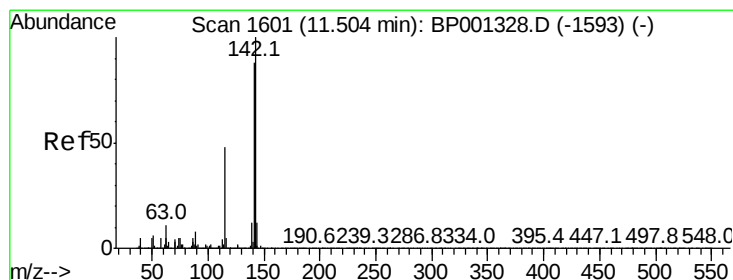
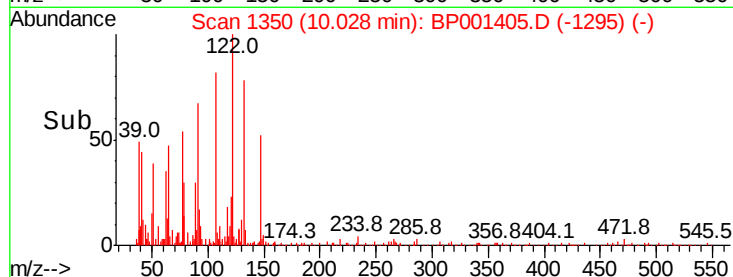
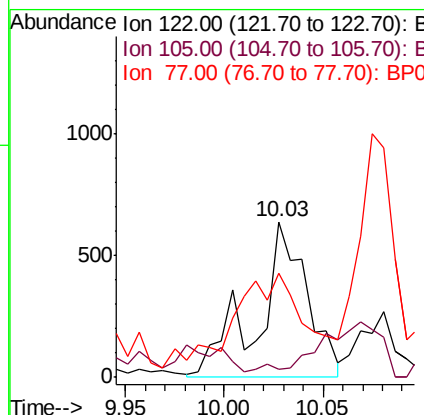
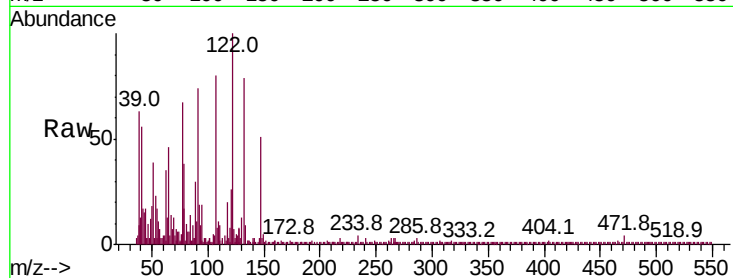
#32
Benzoic acid
Concen: 5.680 ng/ml
RT: 10.03 min Scan# 1350
Delta R.T. 0.02 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Instrument :
BNA_P
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
122	100		
105	5.5	117.8	157.8#
77	66.6	85.6	125.6#

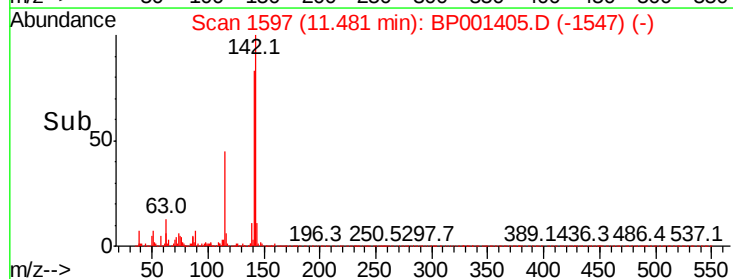
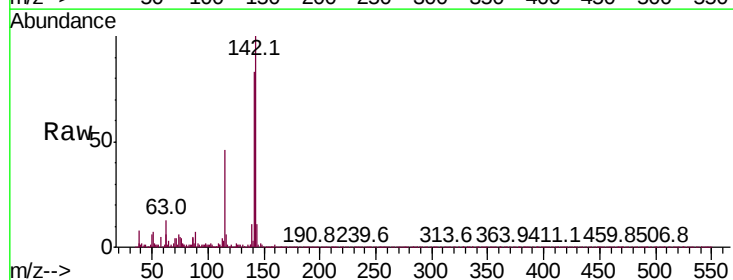
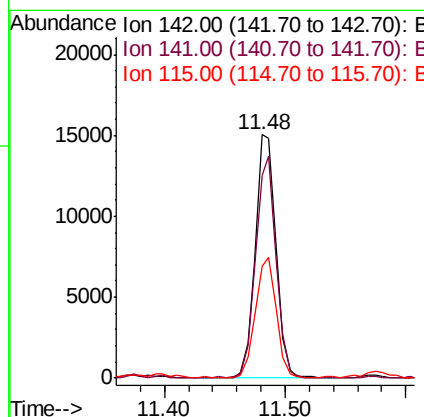
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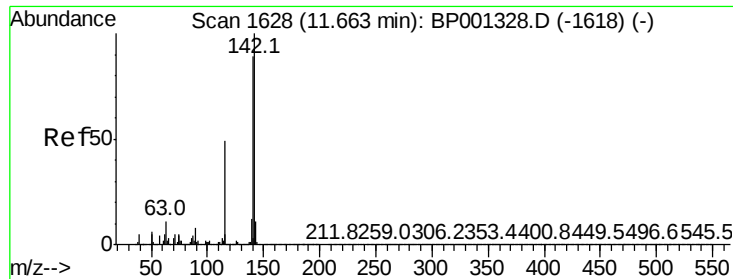
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#37
2-Methylnaphthalene
Concen: 3.432 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.4	70.2	105.2
115	45.8	37.0	55.4





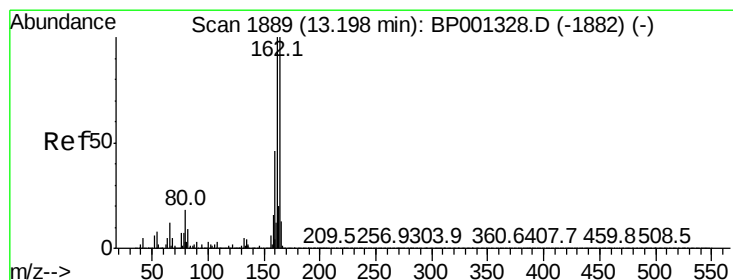
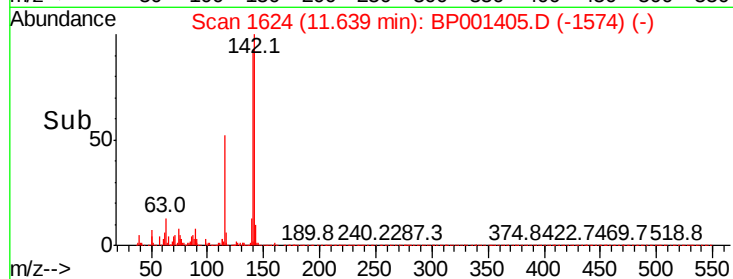
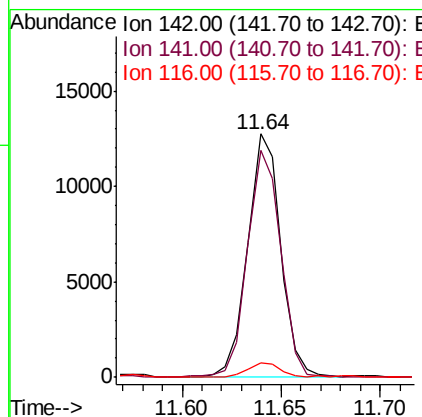
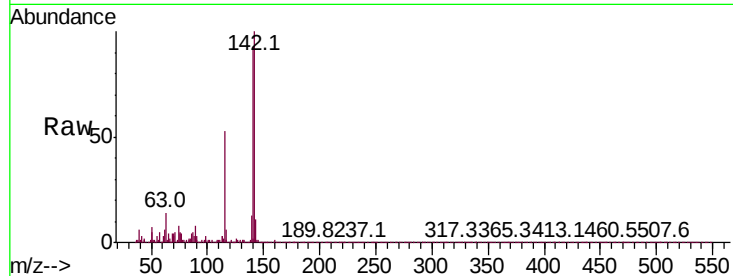
#38
1-Methylnaphthalene
Concen: 2.956 ng m
RT: 11.64 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Instrument :
BNA_P
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
142	100			
141	93.4	72.9	109.3	
116	6.1	3.8	5.8	

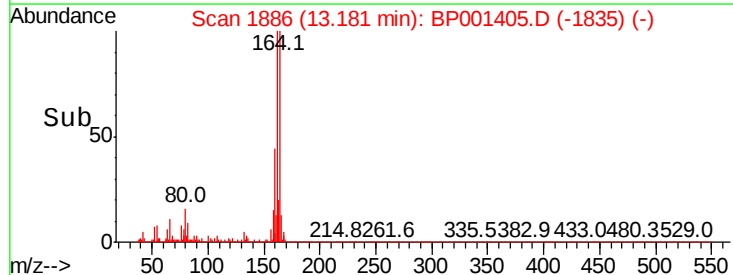
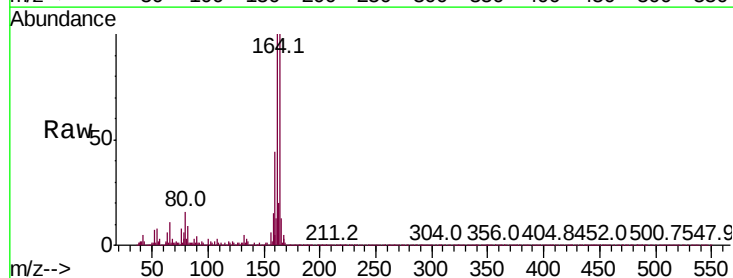
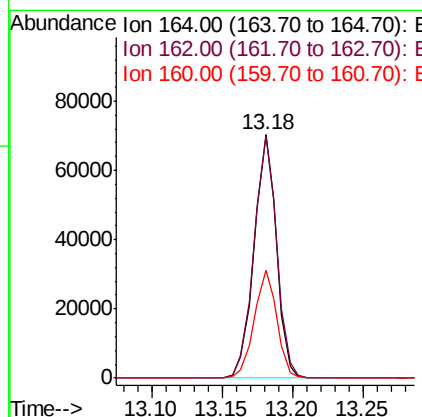
Manual Integrations
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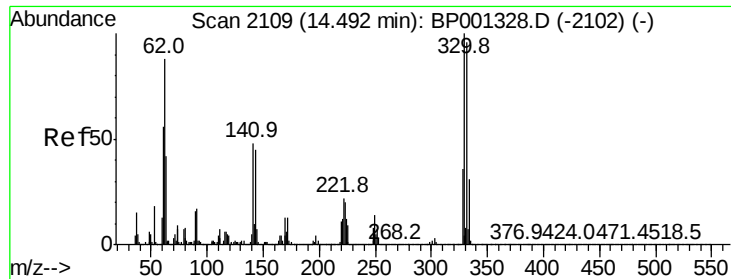
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.18 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.6	78.2	117.4	
160	44.4	35.1	52.7	





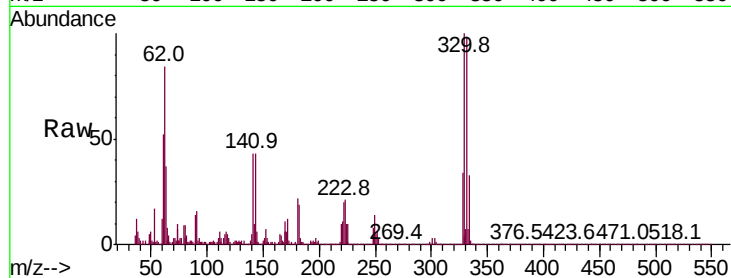
#42
2,4,6-Tribromophenol
Concen: 52.862 ng
RT: 14.47 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Instrument :
BNA_P
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.4	78.3	117.5
141	44.6	26.8	40.2

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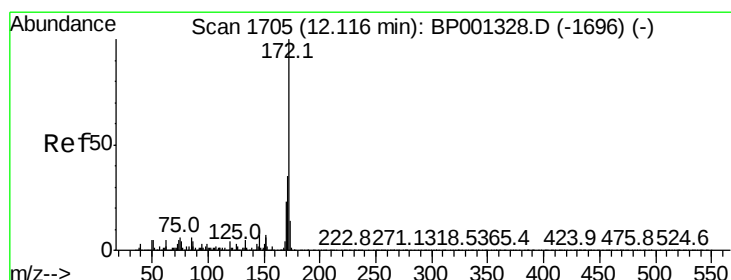
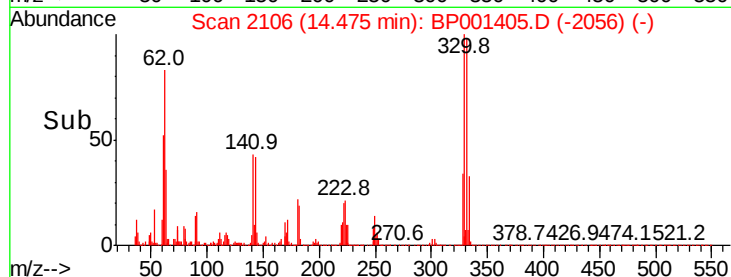
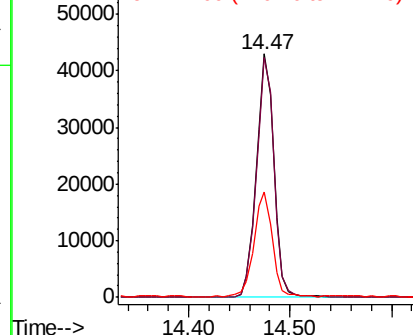


Abundance

Ion 329.80 (329.50 to 330.50): E

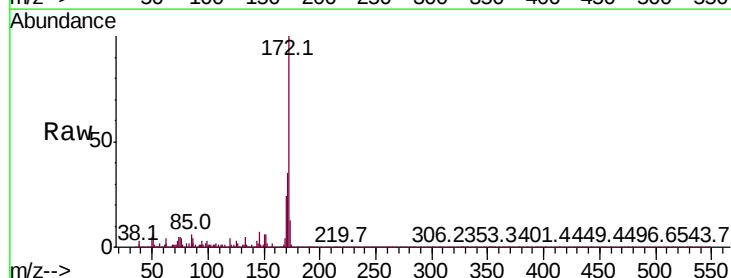
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 36.168 ng
RT: 12.10 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.4	41.0
170	23.8	18.2	27.4

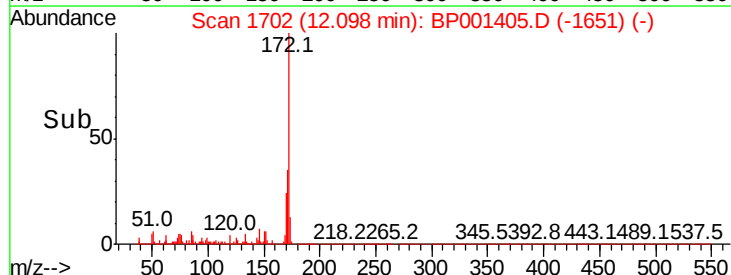
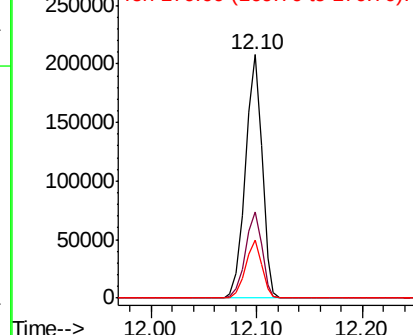


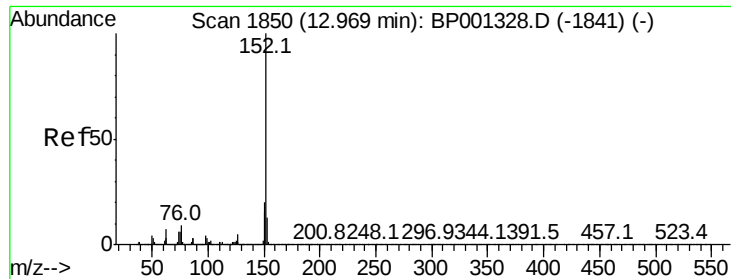
Abundance

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





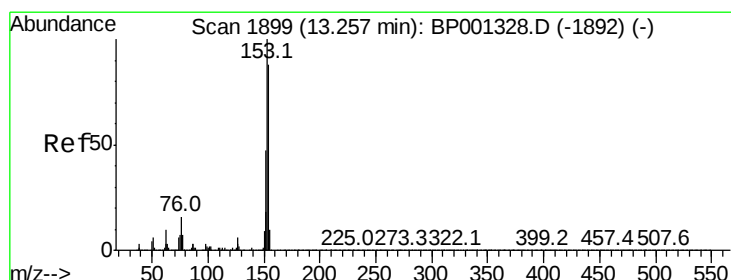
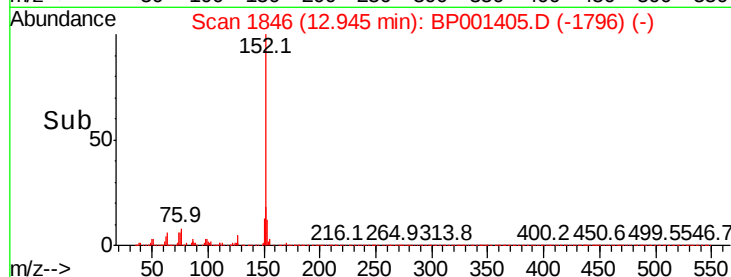
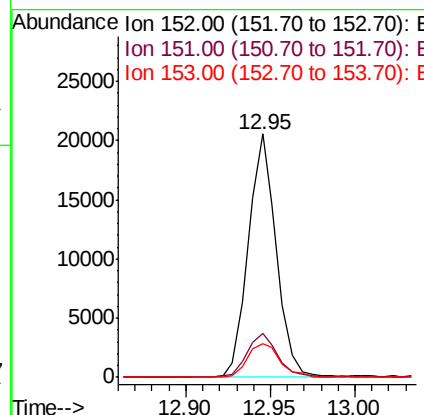
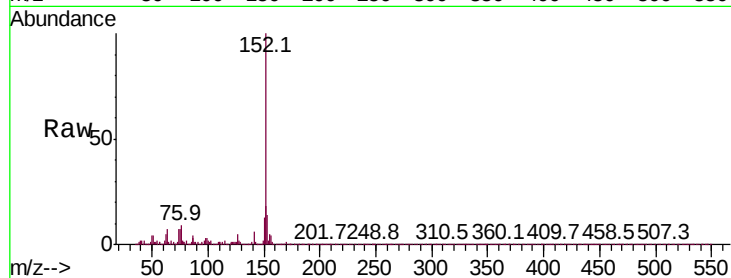
#49
Acenaphthylene
Concen: 3.056 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Instrument :
BNA_P
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.1	15.6	23.4
153	13.7	10.3	15.5

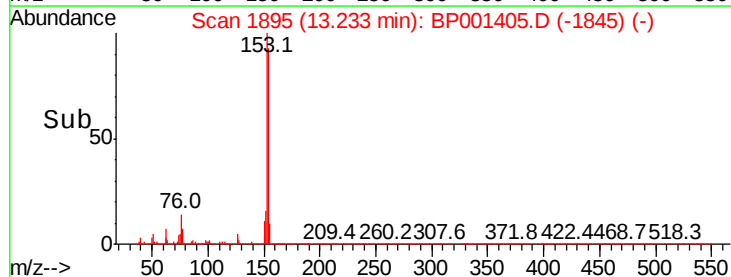
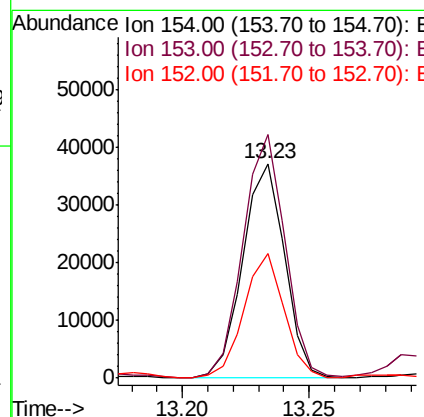
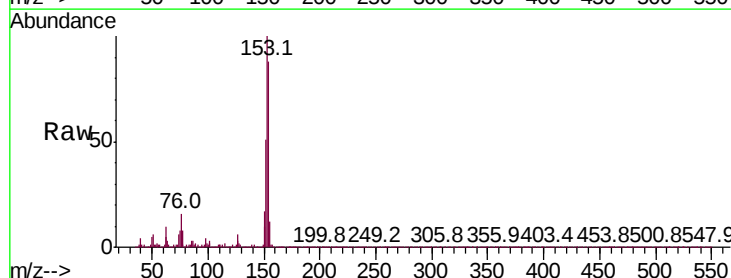
Manual Integrations
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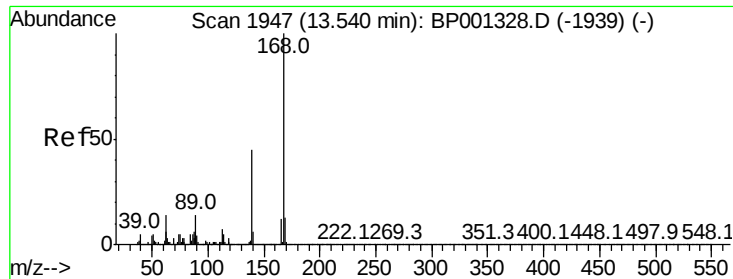
mohammad
12/26/2019 4:01:54 PM



#52
Acenaphthene
Concen: 9.146 ng
RT: 13.23 min Scan# 1895
Delta R.T. -0.01 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.1	135.1
152	57.9	41.8	62.6





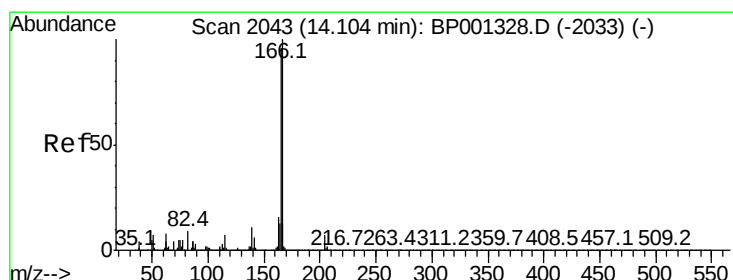
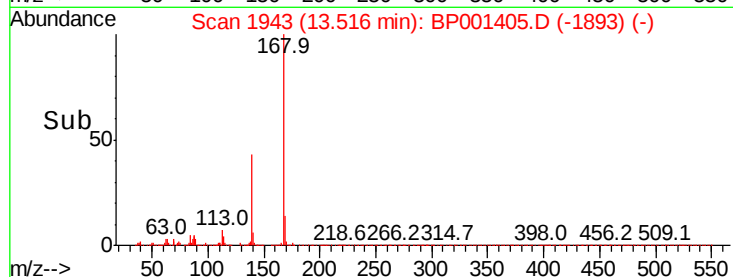
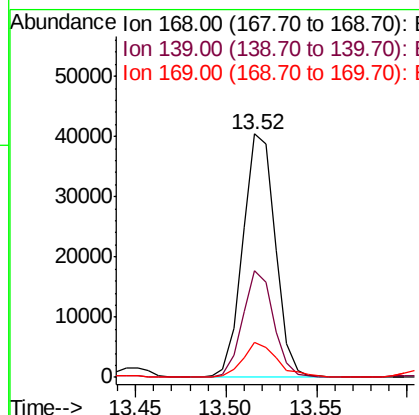
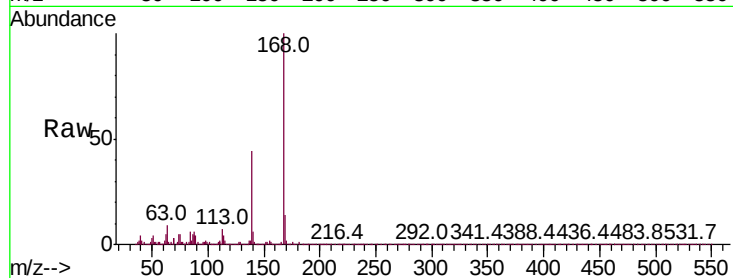
#55
Dibenzenofuran
Concen: 6.878 ng
RT: 13.52 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Instrument :
BNA_P
ClientSampled :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
168	100		
139	43.9	33.0	49.4
169	14.3	10.6	16.0

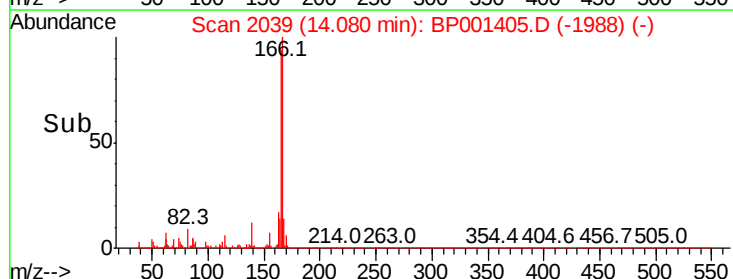
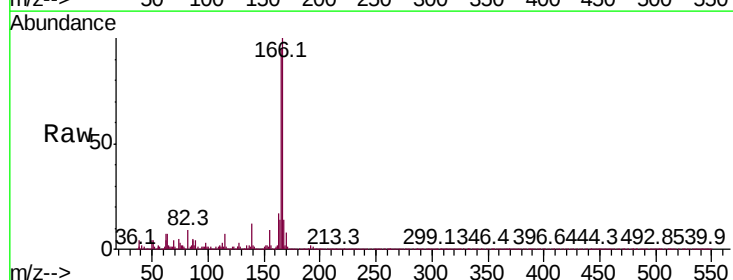
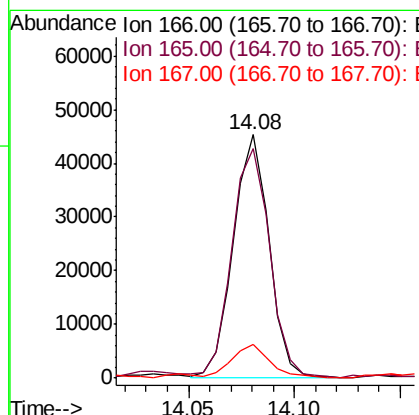
Manual Integrations
APPROVED

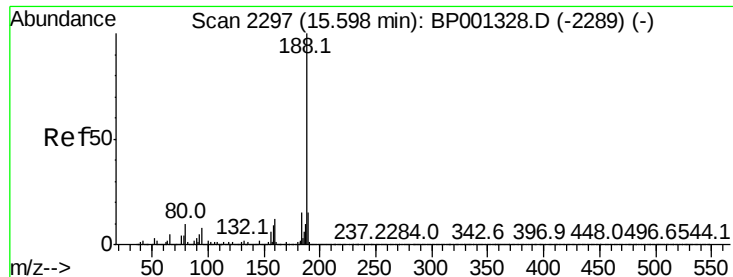
mohammad
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#58
Fluorene
Concen: 9.058 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.00 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.5	76.6	114.8
167	13.9	11.0	16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.58 min Scan# 2294

Delta R.T. -0.00 min

Lab File: BP001405.D

Acq: 25 Dec 2019 00:33

Instrument :

BNA_P

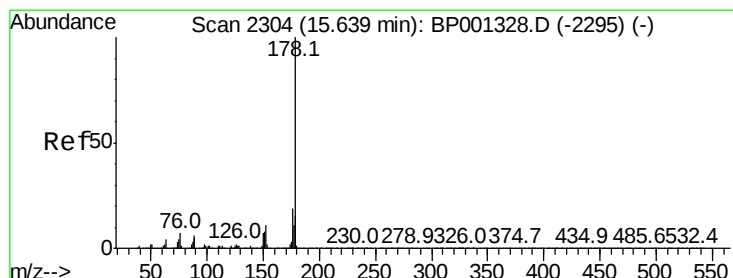
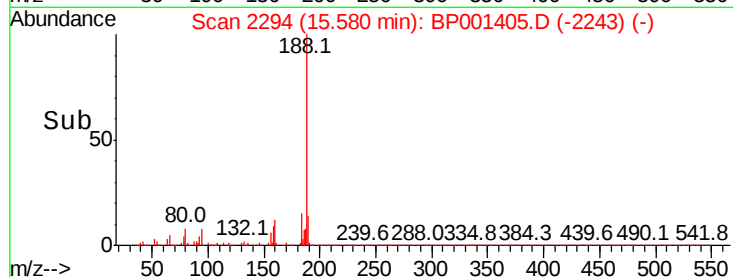
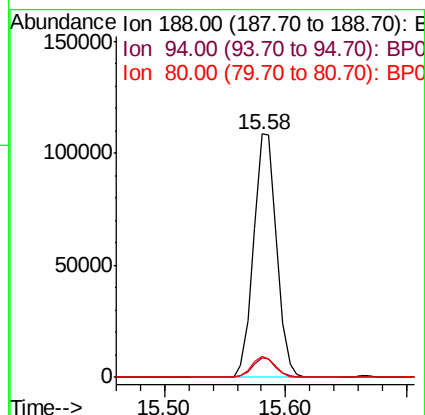
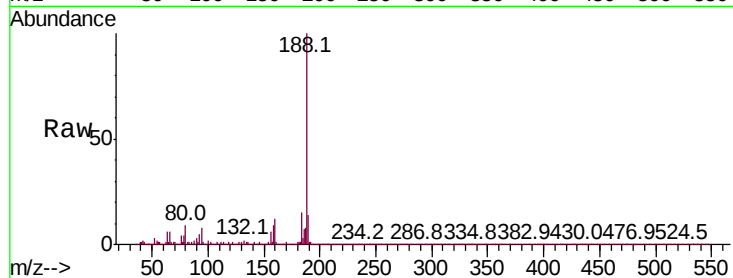
ClientSampleId :

SB-4-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	144380		
94	8.2	5.8	8.8	
80	8.5	5.7	8.5#	

Manual Integrations
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#71

Phenanthrene

Concen: 89.467 ng

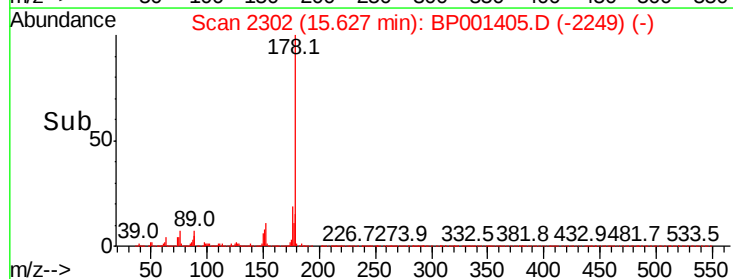
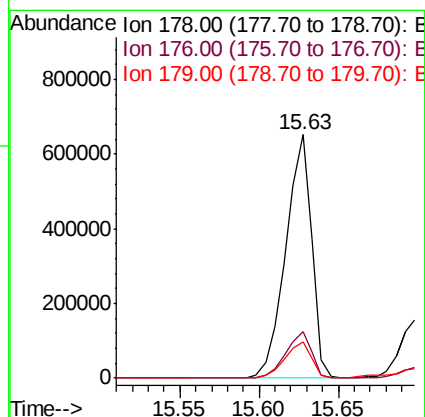
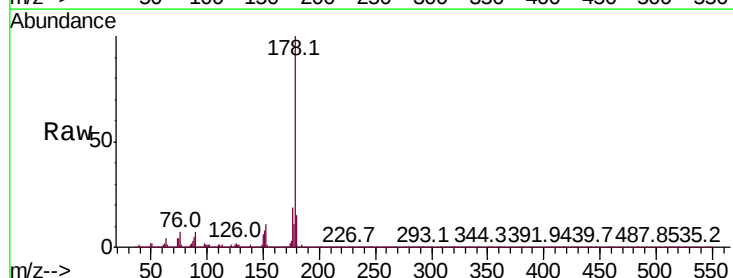
RT: 15.63 min Scan# 2302

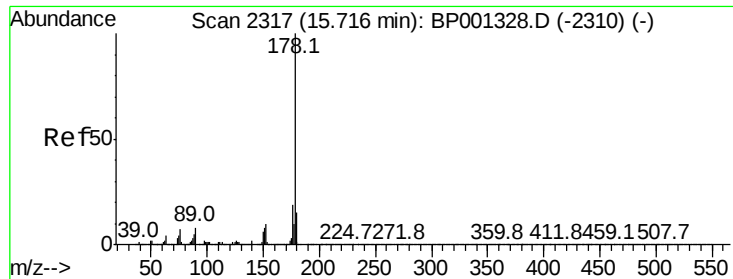
Delta R.T. 0.01 min

Lab File: BP001405.D

Acq: 25 Dec 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	736964		
176	18.9	15.4	23.0	
179	14.8	12.2	18.2	





#72

Anthracene

Concen: 20.734 ng

RT: 15.70 min Scan# 2314

Delta R.T. -0.00 min

Lab File: BP001405.D

Acq: 25 Dec 2019 00:33

Instrument :

BNA_P

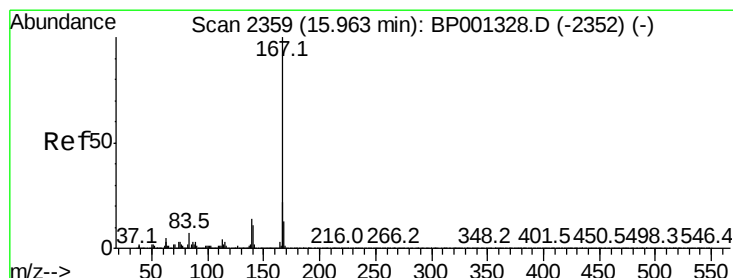
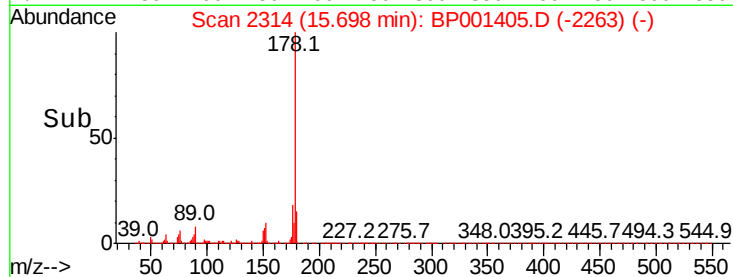
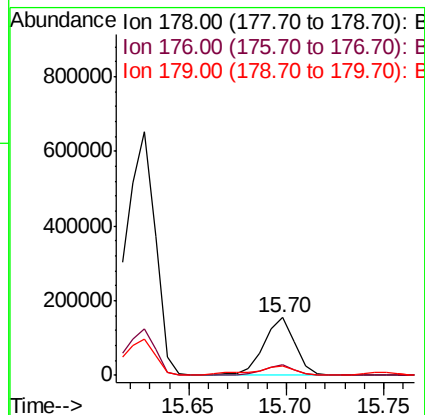
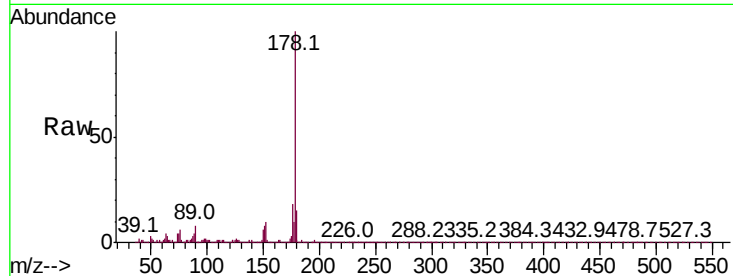
ClientSampleId :

SB-4-(0-2)

Tot Ion:	178	Resp:	169074
Ion Ratio	Lower	Upper	
178	100		
176	17.9	14.5	21.7
179	15.2	11.8	17.8

Manual Integrations
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#73

Carbazole

Concen: 8.778 ng

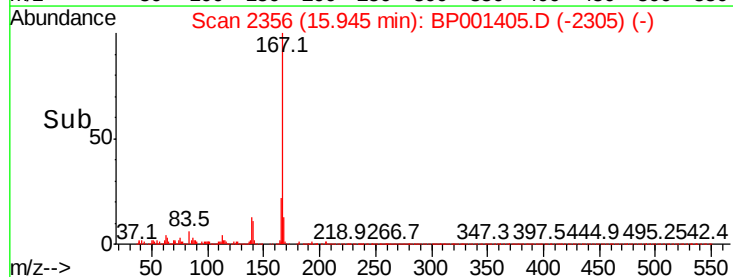
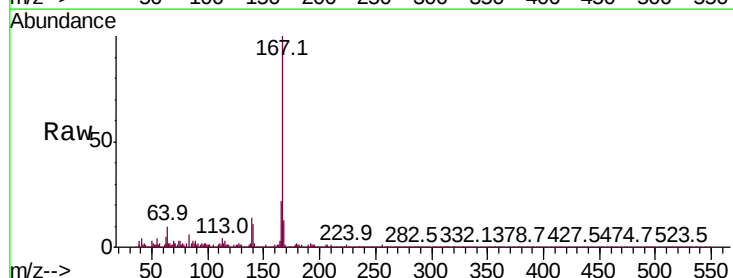
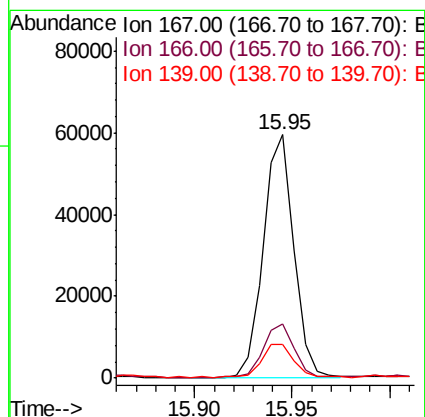
RT: 15.95 min Scan# 2356

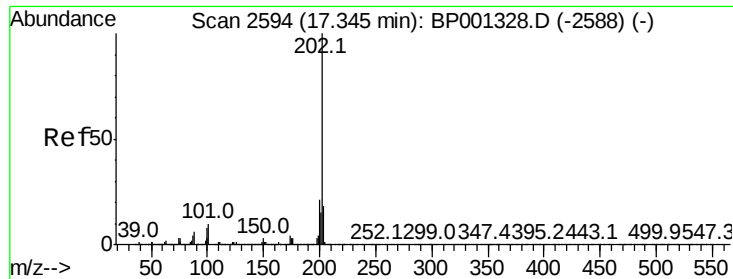
Delta R.T. -0.00 min

Lab File: BP001405.D

Acq: 25 Dec 2019 00:33

Tgt Ion:	167	Resp:	63819
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.4	26.2
139	13.7	10.9	16.3





#75

Fluoranthene

Concen: 106.134 ng

RT: 17.35 min Scan# 2594

Delta R.T. 0.02 min

Lab File: BP001405.D

Acq: 25 Dec 2019 00:33

Instrument :

BNA_P

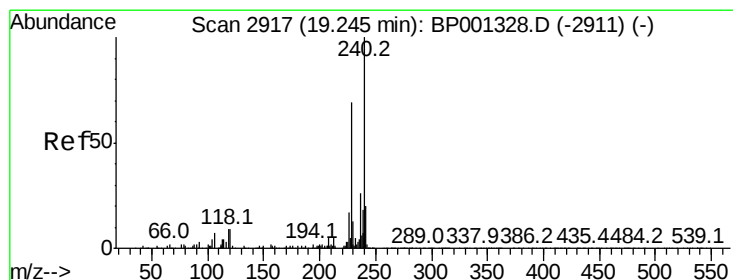
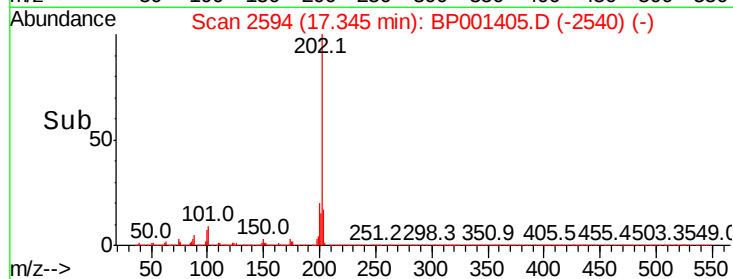
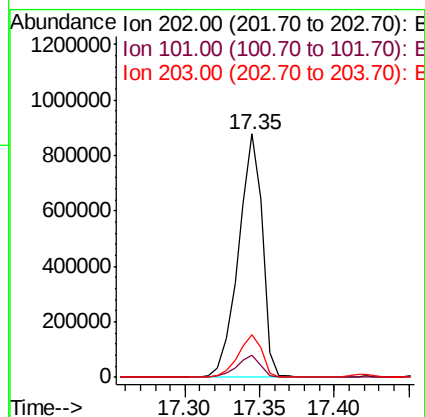
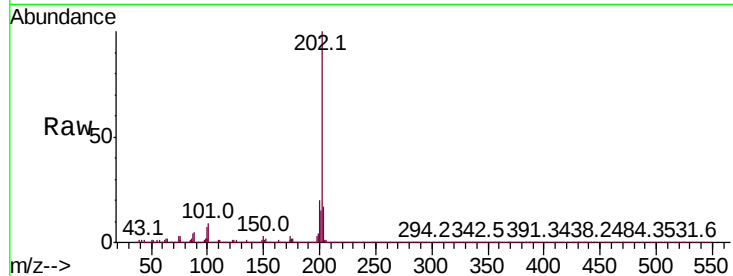
ClientSampleId :

SB-4-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	977568		
101	9.2	0.0	28.7	
203	17.4	0.0	37.4	

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

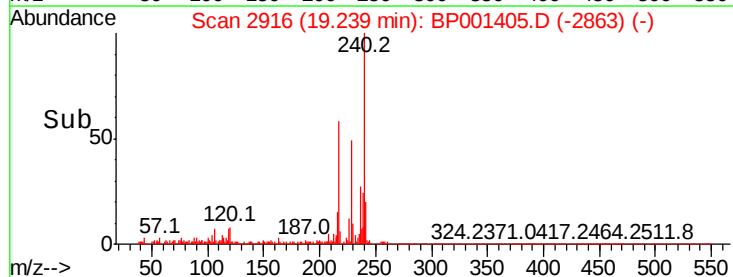
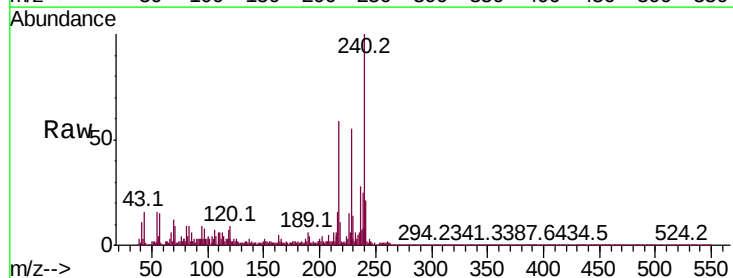
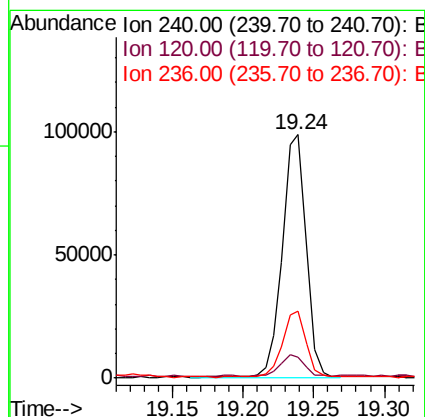
RT: 19.24 min Scan# 2916

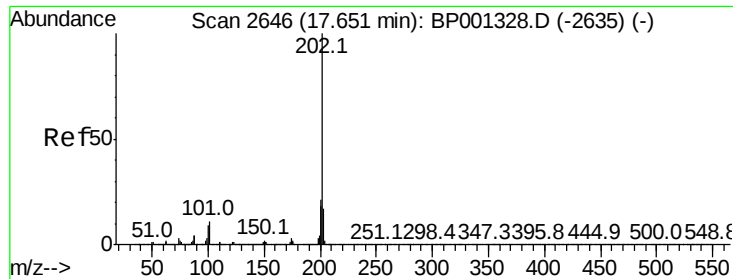
Delta R.T. 0.01 min

Lab File: BP001405.D

Acq: 25 Dec 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	116369		
120	8.8	6.2	9.2	
236	27.7	20.2	30.2	





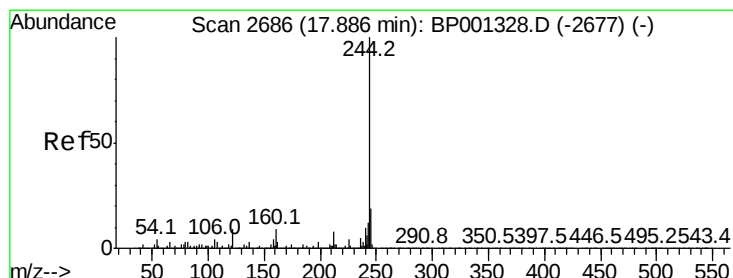
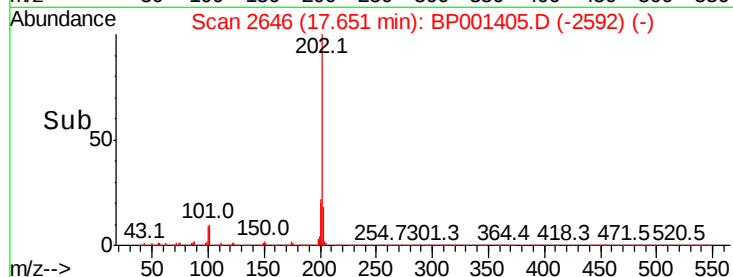
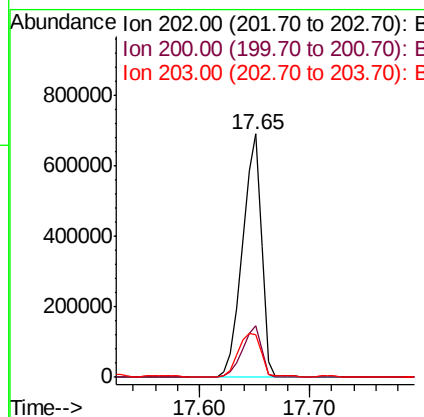
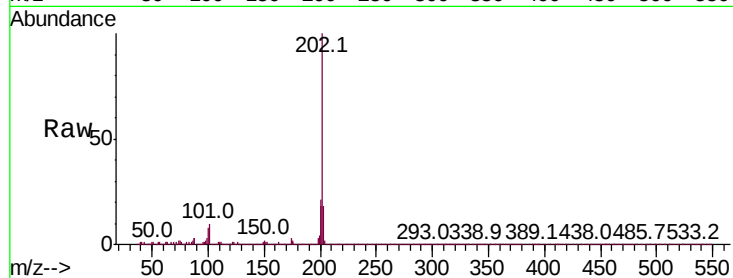
#78
Pvrene
Concen: 92.947 ng
RT: 17.65 min Scan# 2646
Delta R.T. 0.02 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Instrument :
BNA_P
ClientSampled :
SB-4-(0-2)

Tot Ion:	202	Resp:	839804
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.6	25.0
203	17.7	14.3	21.5

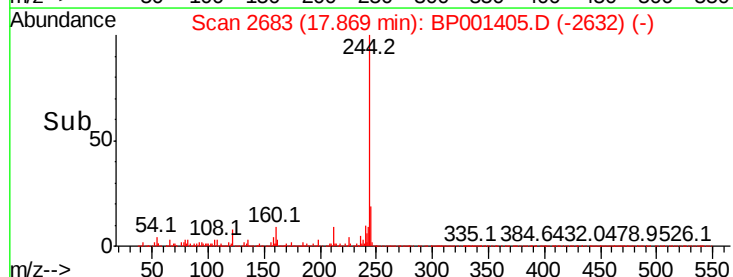
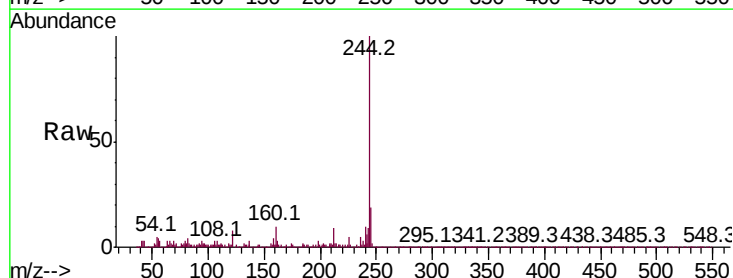
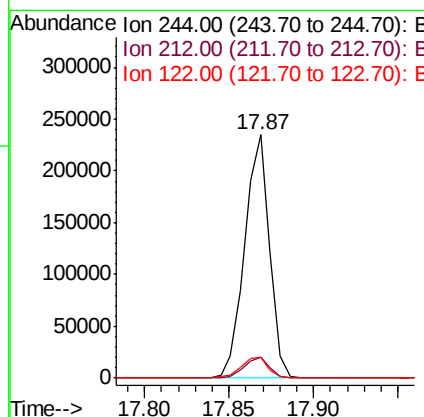
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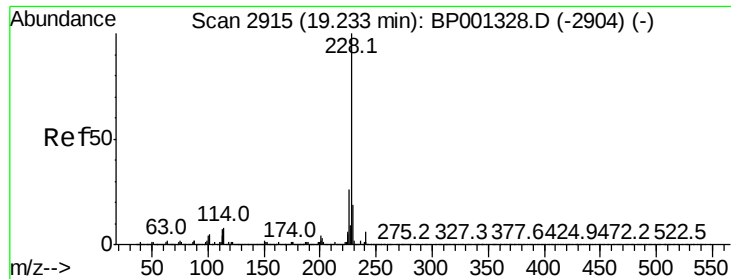
mohammad
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#79
Terphenyl-d14
Concen: 35.473 ng
RT: 17.87 min Scan# 2683
Delta R.T. -0.00 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Tgt Ion:	244	Resp:	241009
Ion Ratio	Lower	Upper	
244	100		
212	8.7	5.8	8.8
122	8.5	6.4	9.6





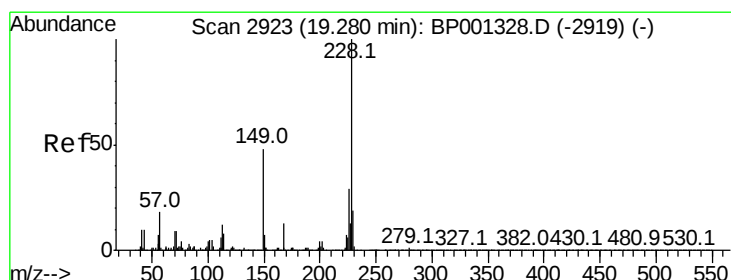
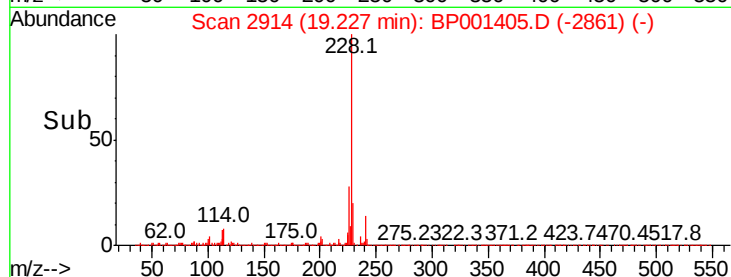
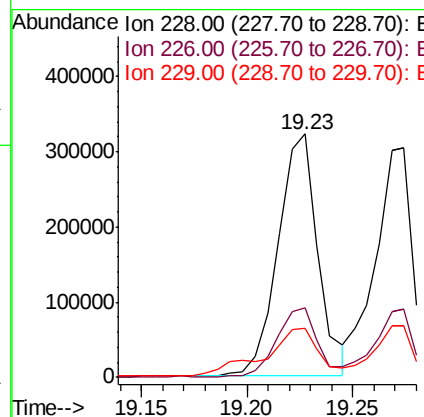
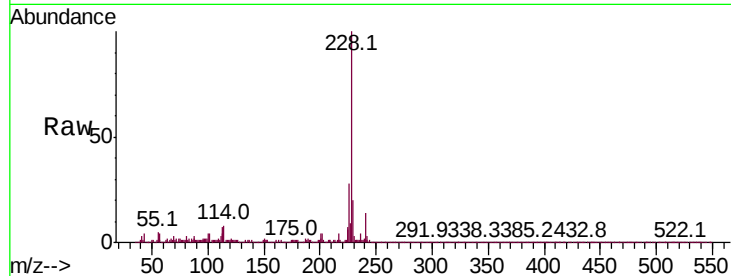
#81
Benzo(a)anthracene
Concen: 50.224 ng
RT: 19.23 min Scan# 2914
Delta R.T. 0.01 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Instrument :
BNA_P
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.4	32.2
229	20.4	15.7	23.5

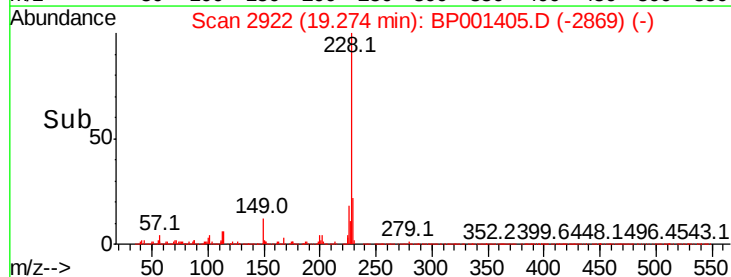
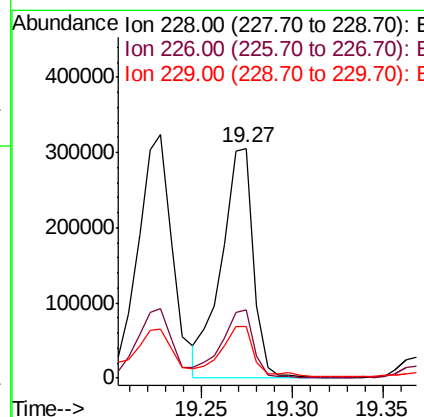
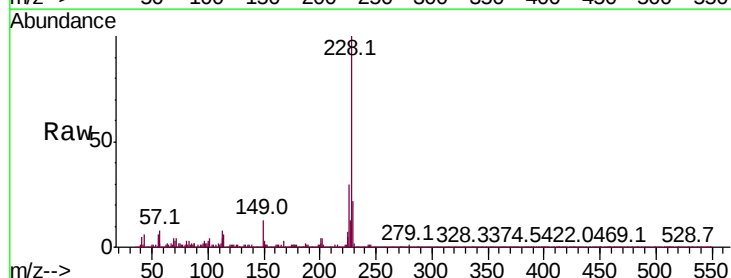
Manual Integrations
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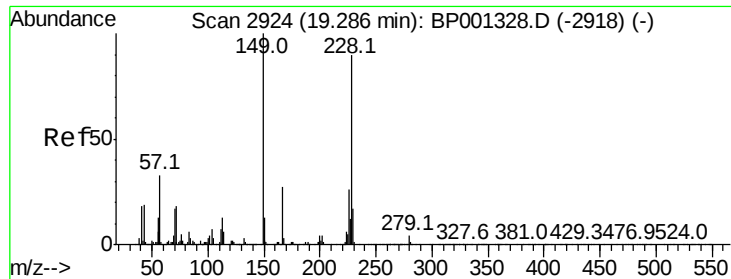
mohammad
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#83
Chrysene
Concen: 45.578 ng
RT: 19.27 min Scan# 2922
Delta R.T. 0.01 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.2
229	22.5	15.5	23.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.958 ng

RT: 19.27 min Scan# 2921

Delta R.T. 0.01 min

Lab File: BP001405.D

Acq: 25 Dec 2019 00:33

Instrument :

BNA_P

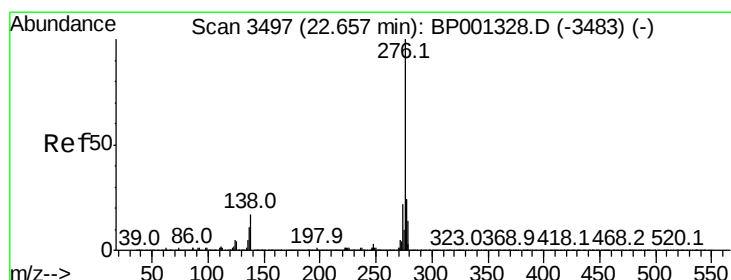
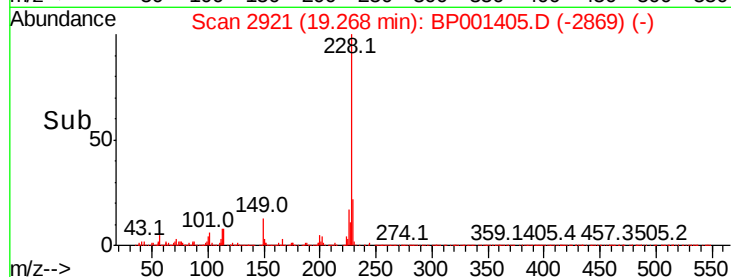
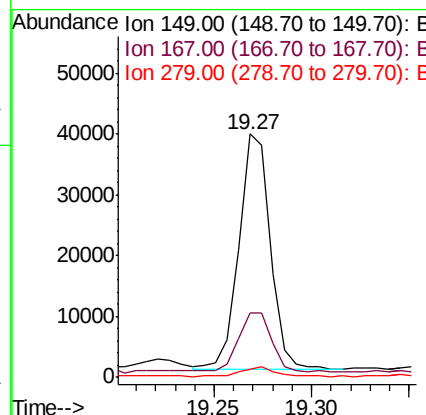
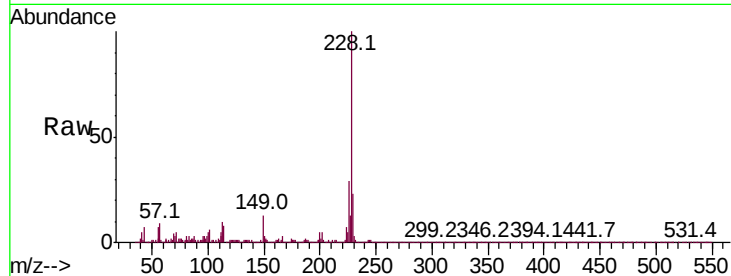
ClientSampled :

SB-4-(0-2)

Tot Ion:	149	Resp:	43009
Ion Ratio	Lower	Upper	
149	100		
167	26.4	21.4	32.0
279	3.3	3.2	4.8

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 22.265 ng

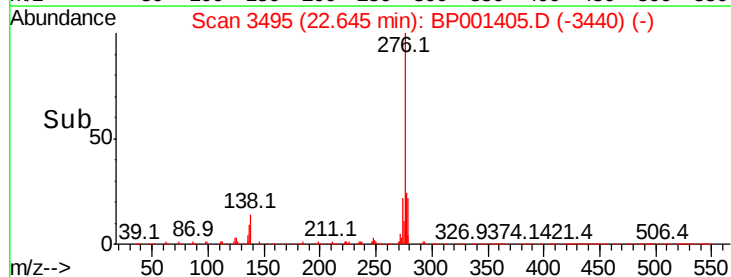
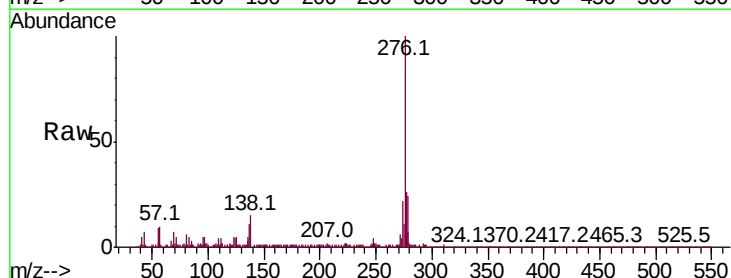
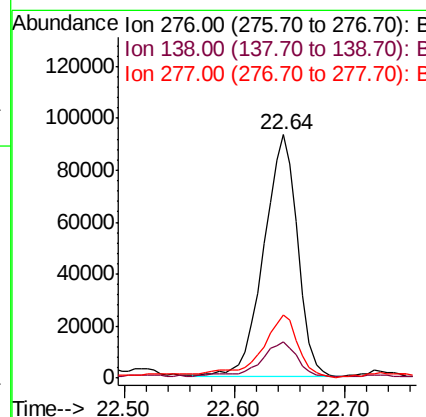
RT: 22.64 min Scan# 3495

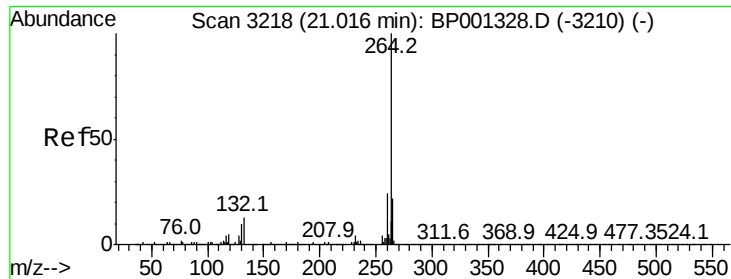
Delta R.T. 0.02 min

Lab File: BP001405.D

Acq: 25 Dec 2019 00:33

Tgt Ion:	276	Resp:	196810
Ion Ratio	Lower	Upper	
276	100		
138	15.4	12.8	19.2
277	28.4	19.9	29.9





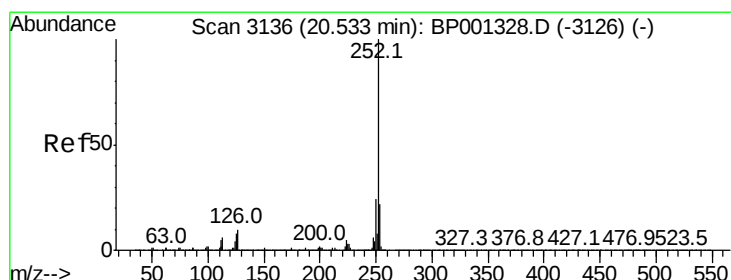
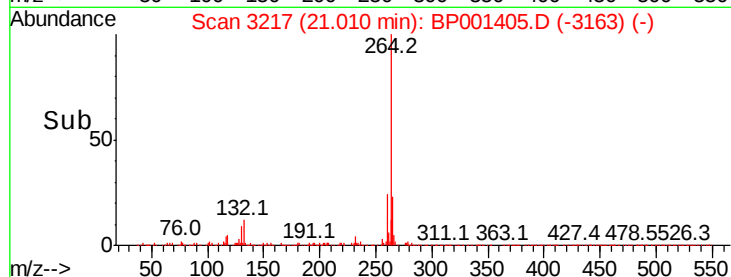
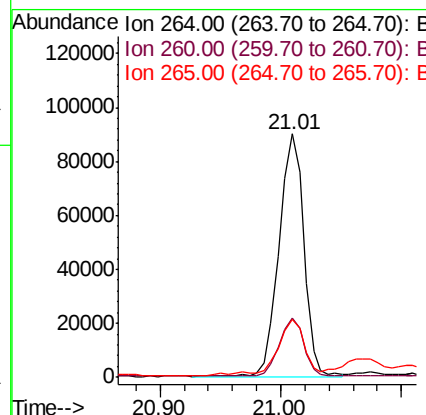
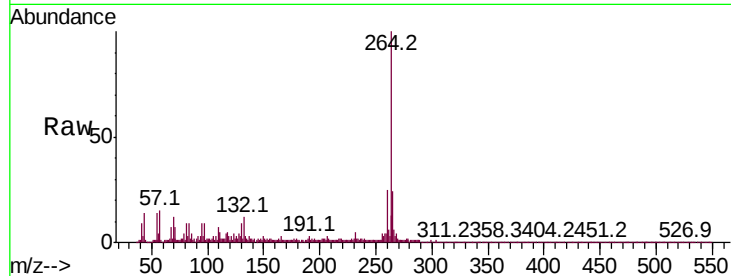
#87
Pervlene-d12
Concen: 20.000 ng
RT: 21.01 min Scan# 3217
Delta R.T. 0.02 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Instrument :
BNA_P
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.4
265	23.7	17.0	25.4

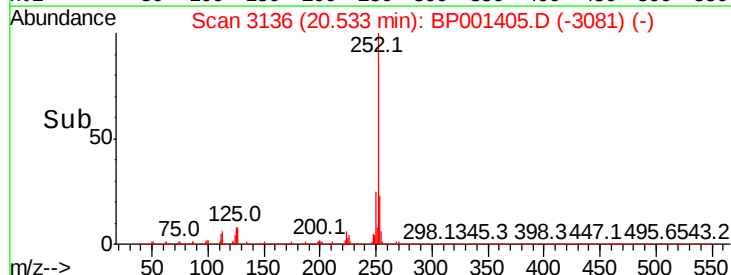
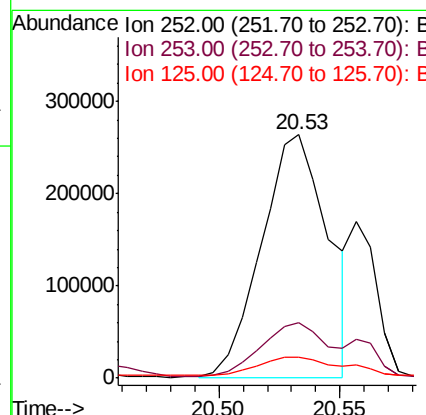
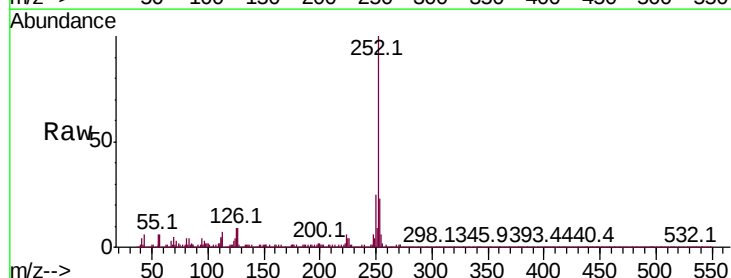
Manual Integrations
APPROVED

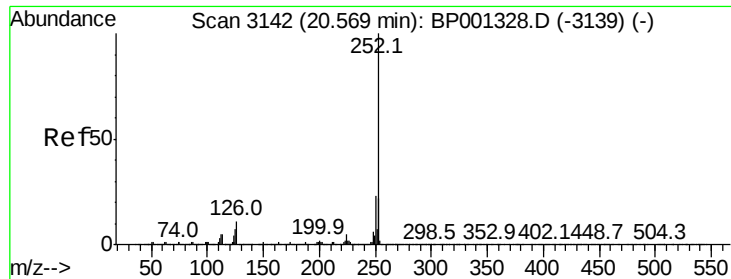
mohammad
12/26/2019 4:01:54 PM



#88
Benzo(b)fluoranthene
Concen: 60.065 ng m
RT: 20.53 min Scan# 3136
Delta R.T. 0.02 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	8.8	5.6	8.4#





#89

Benzo(k)fluoranthene

Concen: 16.466 ng m

RT: 20.56 min Scan# 3140

Delta R.T. 0.01 min

Lab File: BP001405.D

Acq: 25 Dec 2019 00:33

Instrument :

BNA_P

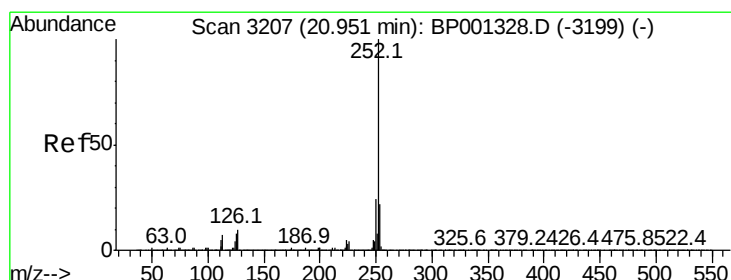
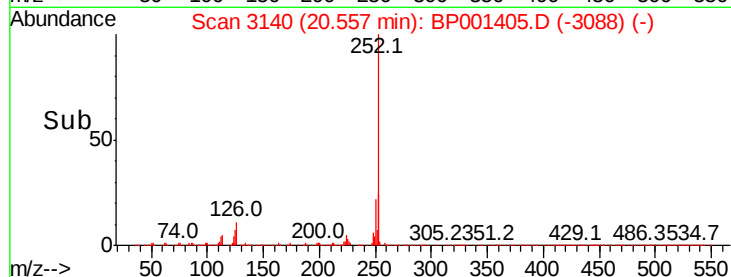
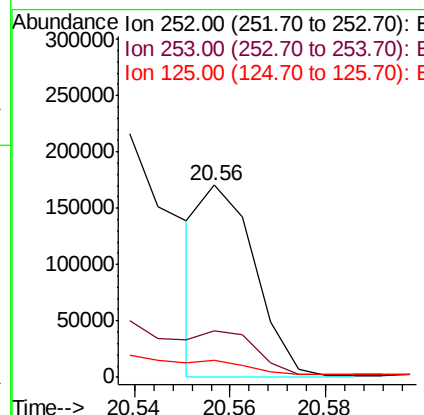
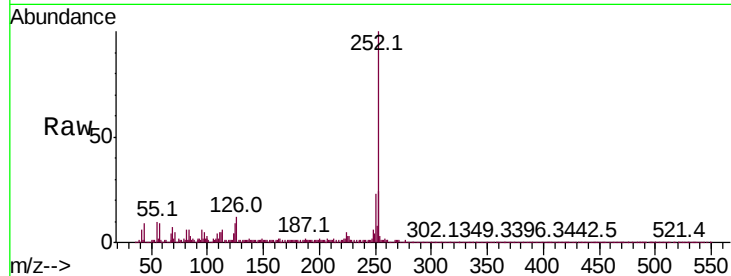
ClientSampleId :

SB-4-(0-2)

Tot Ion:	252	Resp:	131694
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.4	26.2
125	8.7	4.5	6.7#

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 43.596 ng

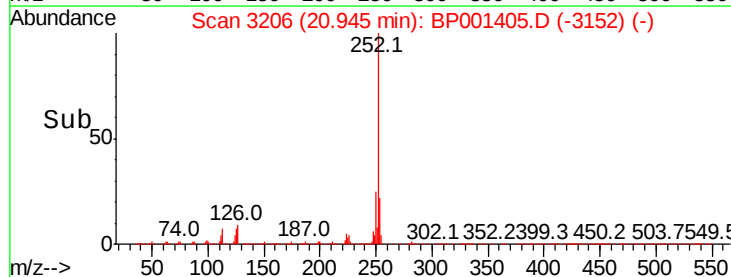
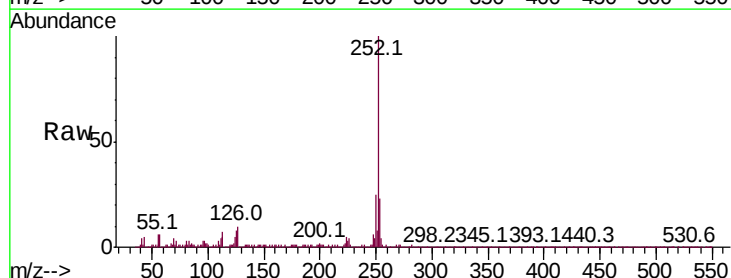
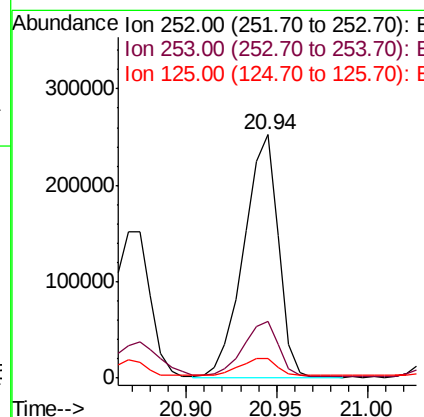
RT: 20.94 min Scan# 3206

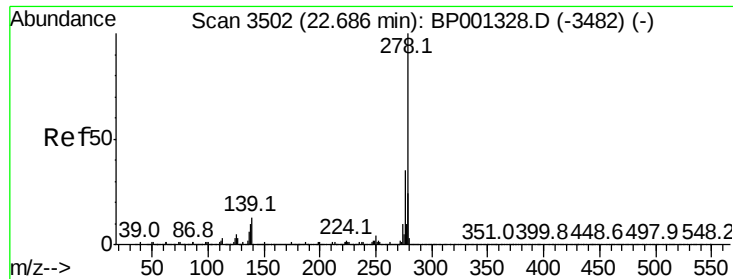
Delta R.T. 0.02 min

Lab File: BP001405.D

Acq: 25 Dec 2019 00:33

Tgt Ion:	252	Resp:	333441
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.2	25.8
125	7.9	5.2	7.8#





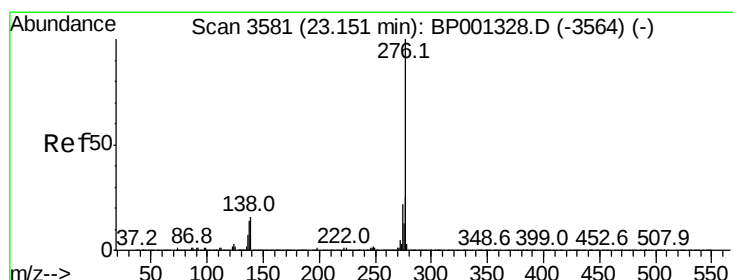
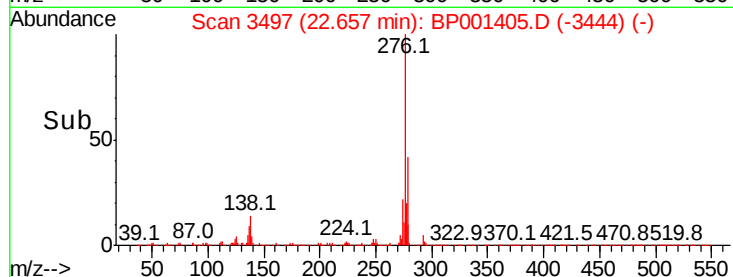
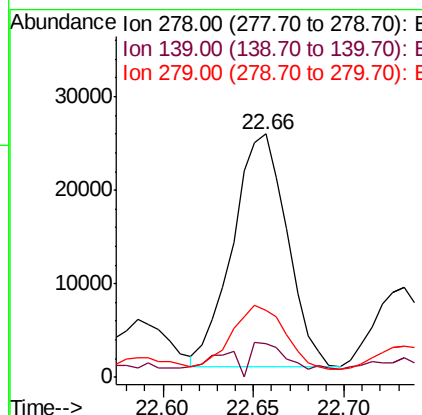
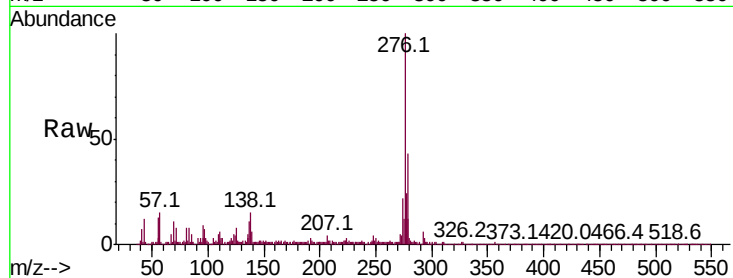
#91
Dibenzo(a,h)anthracene
Concen: 6.901 ng
RT: 22.66 min Scan# 3497
Delta R.T. 0.01 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Instrument :
BNA_P
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.9	8.3	12.5#
279	27.6	19.1	28.7

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 24.583 ng
RT: 23.13 min Scan# 3578
Delta R.T. 0.02 min
Lab File: BP001405.D
Acq: 25 Dec 2019 00:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	27.8
138	13.8	10.5	15.7

