

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
 Data File : BP001402.D
 Acq On : 24 Dec 2019 23:04
 Operator : JU
 Sample : K6396-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-2-(8-10)

Manual Integrations
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Quant Time: Dec 25 06:42:49 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	49961	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	177053	20.00	ng	0.00
39) Acenaphthene-d10	13.18	164	92322	20.00	ng	0.00
64) Phenanthrene-d10	15.59	188	160009	20.00	ng	0.00
76) Chrysene-d12	19.23	240	115416	20.00	ng	0.00
87) Perylene-d12	21.00	264	127245	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	293666	95.00	ng	0.01
7) Phenol-d6	7.76	99	402085	99.68	ng	0.00
23) Nitrobenzene-d5	9.17	82	274829	59.61	ng	0.00
42) 2,4,6-Tribromophenol	14.48	330	100964	87.47	ng	0.00
45) 2-Fluorobiphenyl	12.10	172	470004	64.37	ng	0.00
79) Terphenyl-d14	17.87	244	445596	66.13	ng	0.00
Target Compounds						
10) Phenol	7.77	94	13973	3.032	ng	86
20) 3+4-Methylphenols	8.99	107	14193	3.895	ng	# 45
31) Naphthalene	10.35	128	28501	2.949	ng	98
50) Dimethylphthalate	12.77	163	59437	7.847	ng	98
52) Acenaphthene	13.23	154	21521	3.912	ng	95
55) Dibenzofuran	13.52	168	23228	2.695	ng	96
58) Fluorene	14.08	166	29679	4.305	ng	97
71) Phenanthrene	15.62	178	385410	42.218	ng	99
72) Anthracene	15.70	178	75960	8.405	ng	97
73) Carbazole	15.95	167	28285	3.511	ng	# 94
75) Fluoranthene	17.35	202	464797	45.534	ng	99
78) Pylene	17.65	202	404169	45.101	ng	99
81) Benzo(a)anthracene	19.22	228	179233	21.311	ng	97
83) Chrysene	19.27	228	165568	20.396	ng	98
84) Bis(2-ethylhexyl)phthalate	19.27	149	33268	5.427	ng	# 94
86) Indeno(1,2,3-cd)pyrene	22.63	276	92593	10.561	ng	99
88) Benzo(b)fluoranthene	20.52	252	190329m	22.776	ng	
89) Benzo(k)fluoranthene	20.55	252	66301m	8.329	ng	
90) Benzo(a)pyrene	20.93	252	138210	18.155	ng	# 94
91) Dibenzo(a,h)anthracene	22.65	278	23612	3.172	ng	# 78
92) Benzo(g,h,i)perylene	23.12	276	86300	12.134	ng	# 95

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

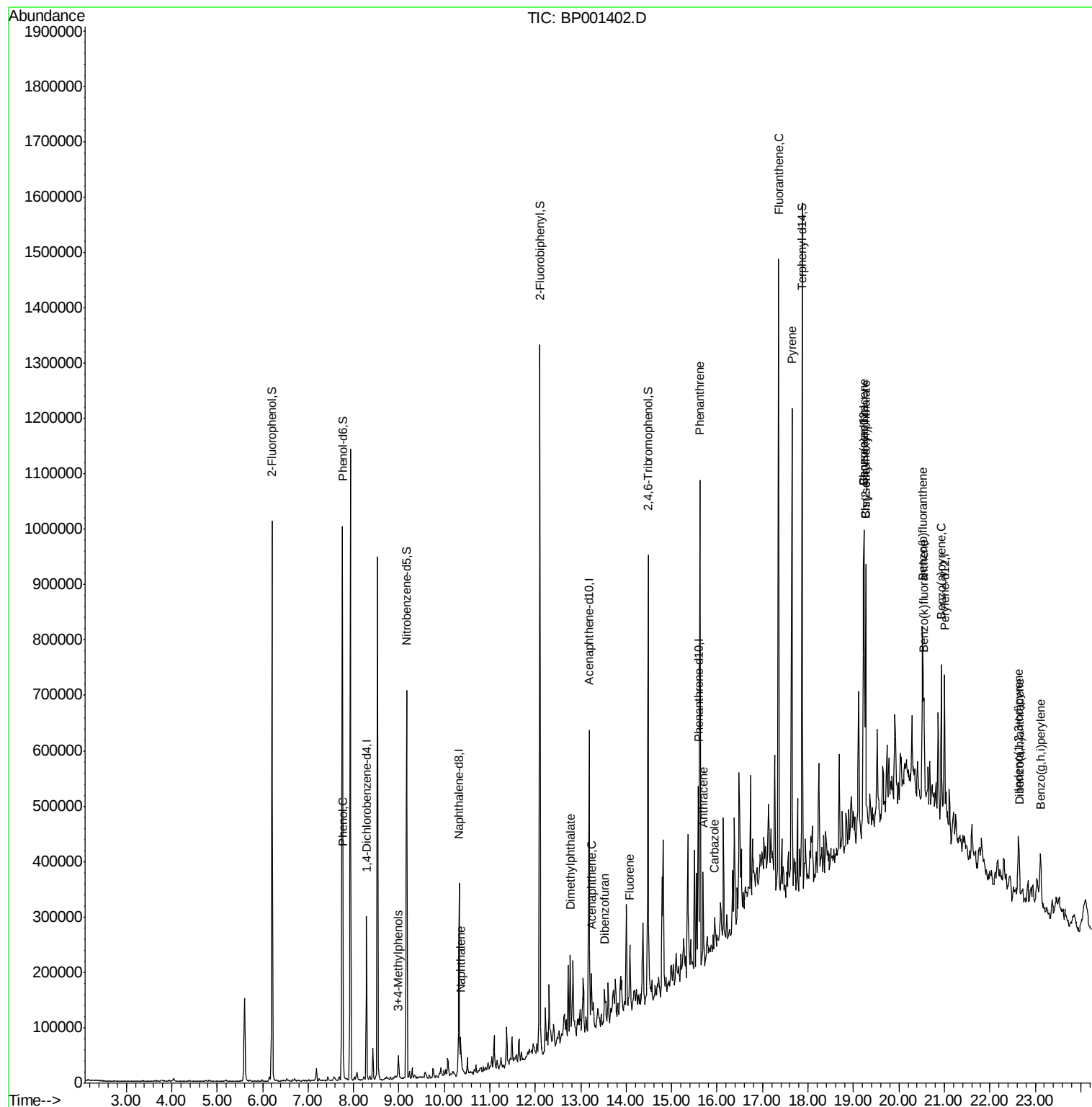
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
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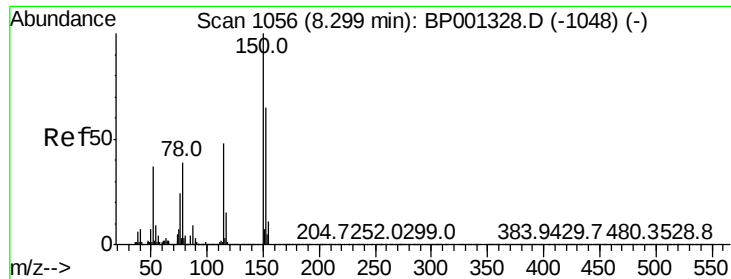
Instrument :
BNA_P
ClientSampleID :
SB-2-(8-10)

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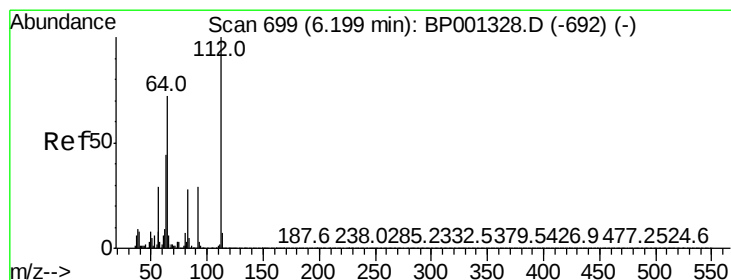
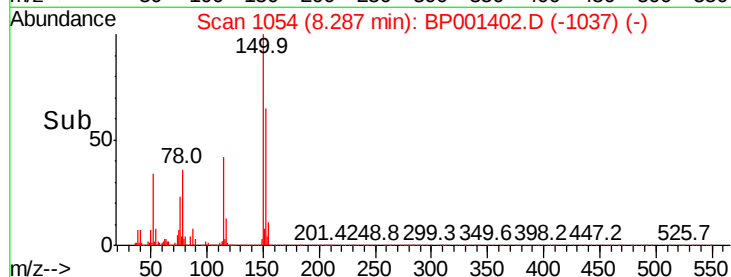
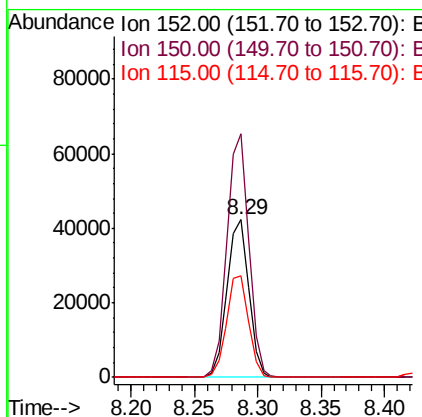
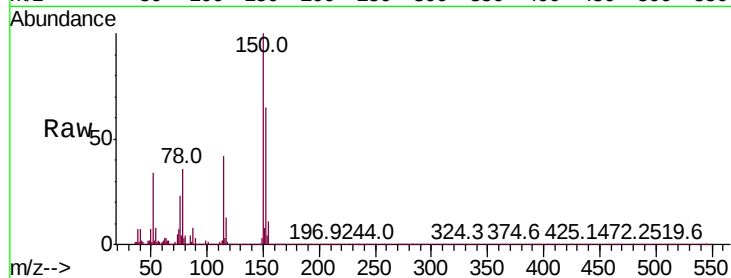
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.29 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Instrument :
BNA_P
ClientSampleId :
SB-2-(8-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	127.0	190.6
115	64.3	56.1	84.1

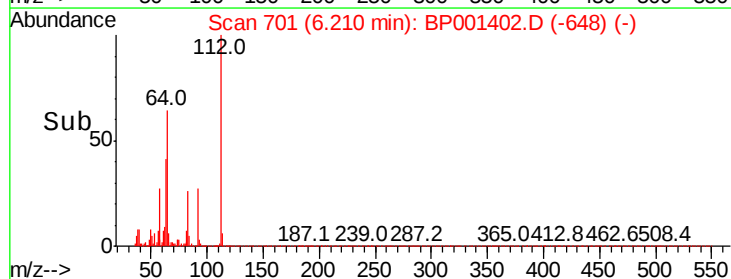
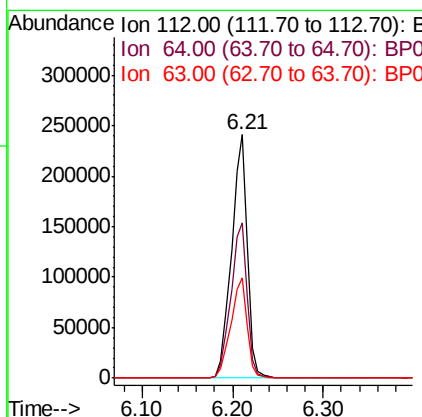
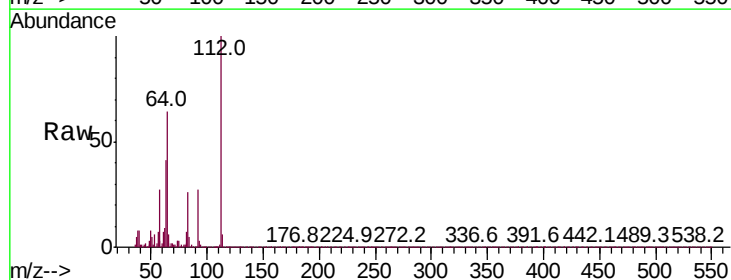
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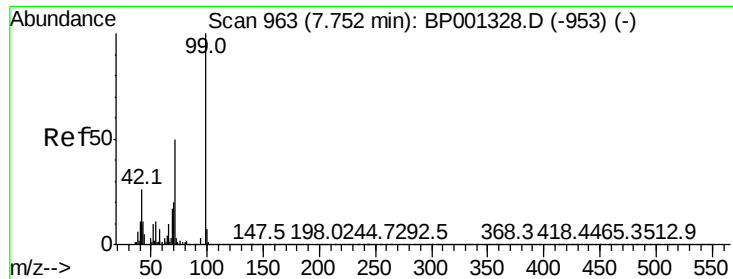
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#5
2-Fluorophenol
Concen: 94.998 ng
RT: 6.21 min Scan# 701
Delta R.T. 0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	53.9	80.9
63	41.0	33.4	50.0





#7

Phenol-d6

Concen: 99.681 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.01 min

Lab File: BP001402.D

Acq: 24 Dec 2019 23:04

Instrument :

BNA_P

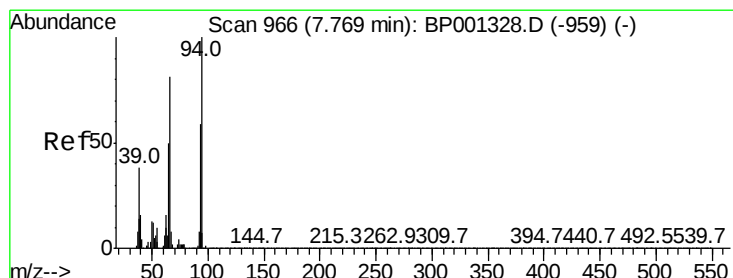
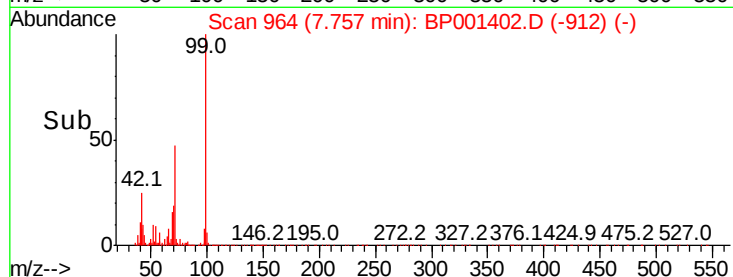
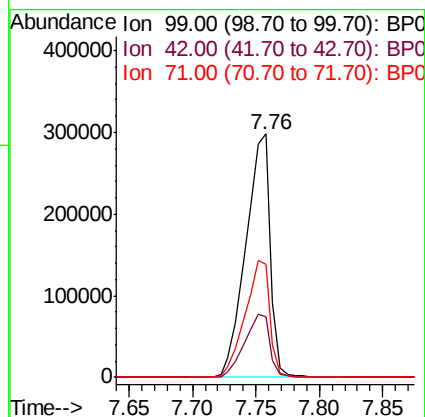
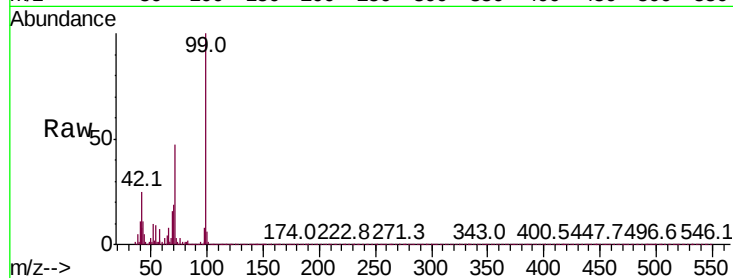
ClientSampled :

SB-2-(8-10)

Tot Ion:	99	Resp:	402085
Ion Ratio	Lower	Upper	
99	100		
42	24.8	20.8	31.2
71	46.6	38.2	57.4

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#10

Phenol

Concen: 3.032 ng

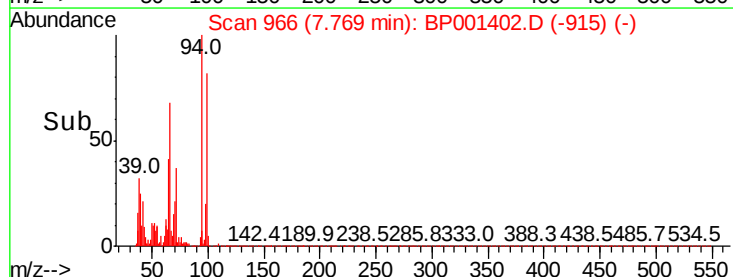
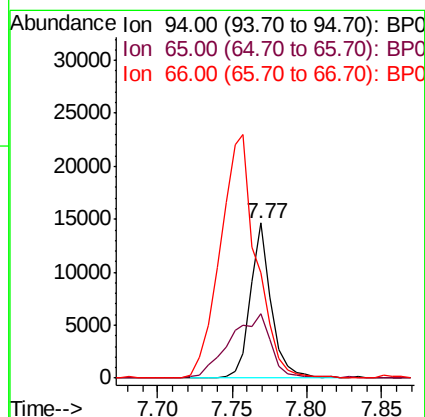
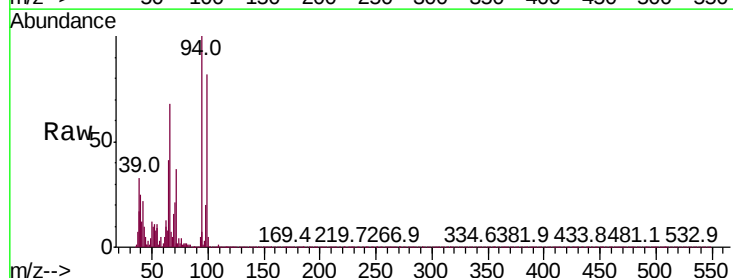
RT: 7.77 min Scan# 966

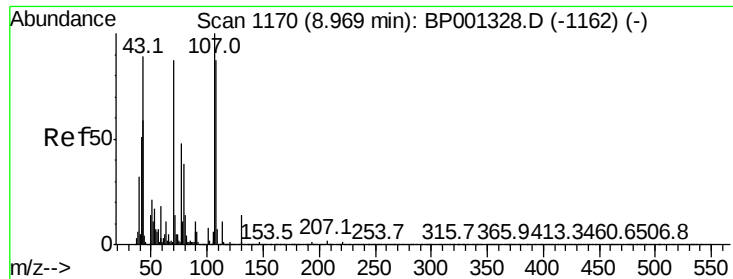
Delta R.T. -0.00 min

Lab File: BP001402.D

Acq: 24 Dec 2019 23:04

Tgt Ion:	94	Resp:	13973
Ion Ratio	Lower	Upper	
94	100		
65	41.5	29.6	69.6
66	68.2	62.3	102.3





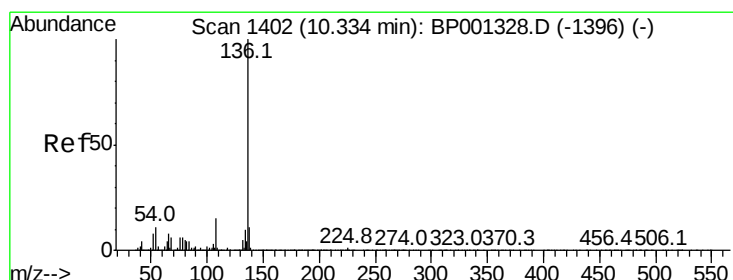
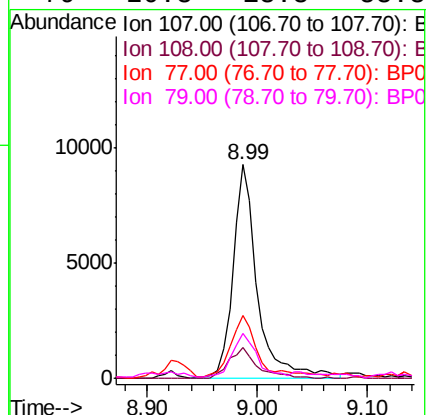
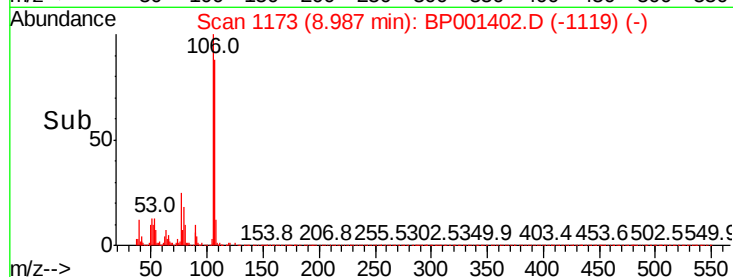
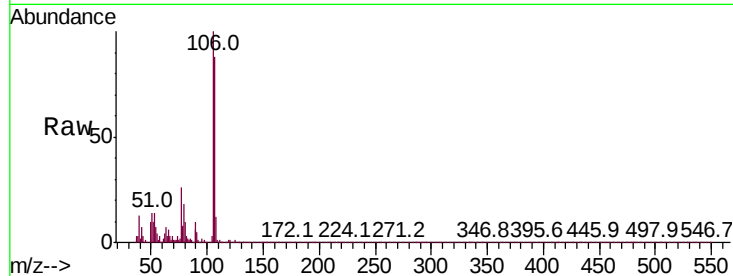
#20
3+4-Methylphenols
Concen: 3.895 ng
RT: 8.99 min Scan# 1173
Delta R.T. 0.02 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Instrument :
BNA_P
ClientSampleId :
SB-2-(8-10)

Tot Ion:	107	Resp:	14193
Ion Ratio	Lower	Upper	
107	100		
108	14.2	70.4	110.4#
77	29.3	24.5	64.5
79	20.8	18.8	58.8

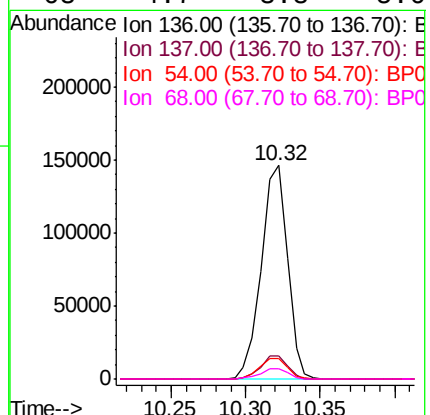
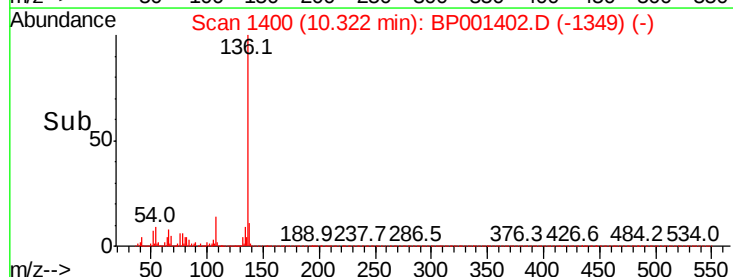
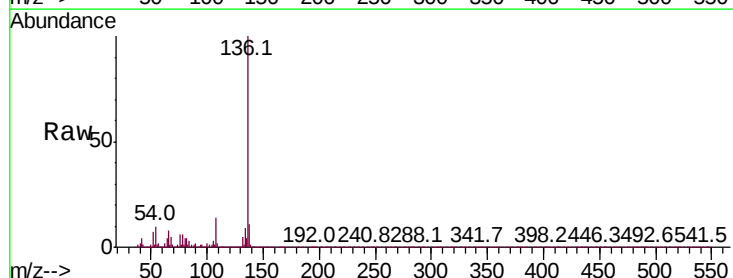
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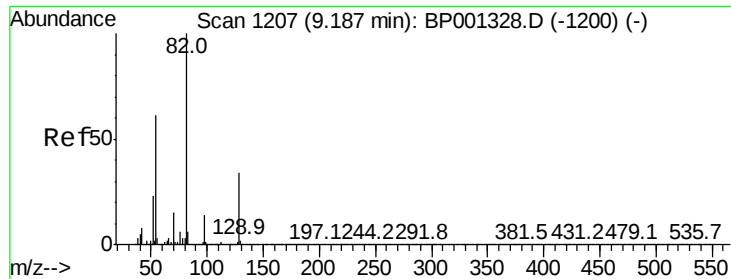
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Tgt Ion:	136	Resp:	177053
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	9.5	7.3	10.9
68	4.7	3.8	5.6





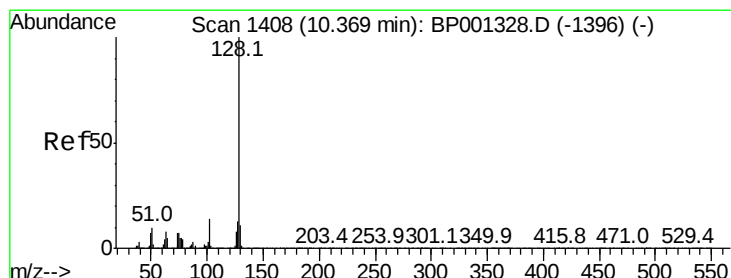
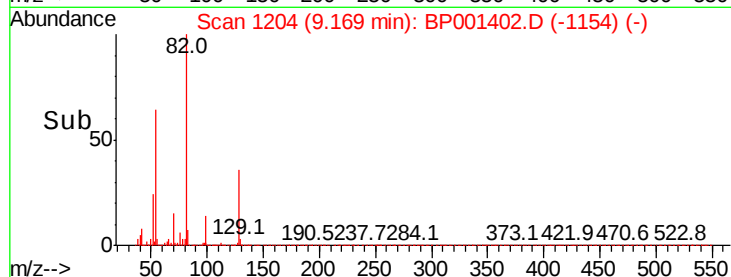
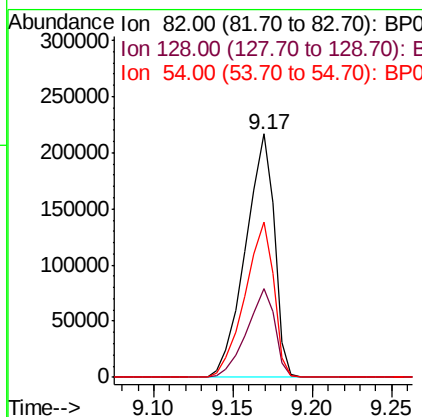
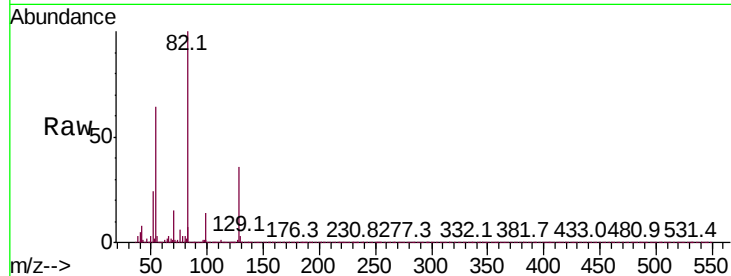
#23
Nitrobenzene-d5
Concen: 59.608 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Instrument :
BNA_P
ClientSampleId :
SB-2-(8-10)

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	36.3	27.4	41.0
54	64.0	47.5	71.3

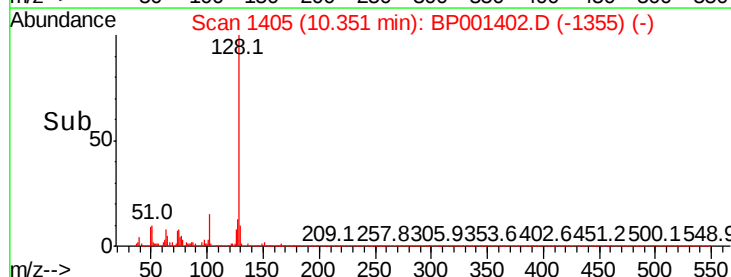
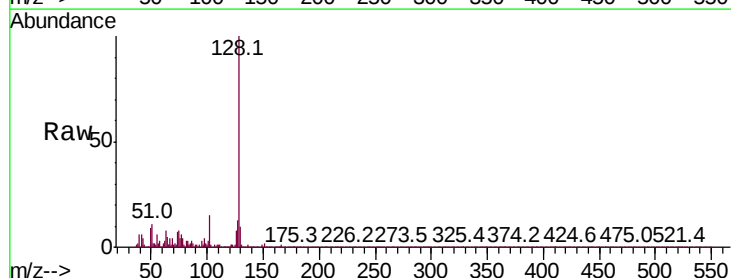
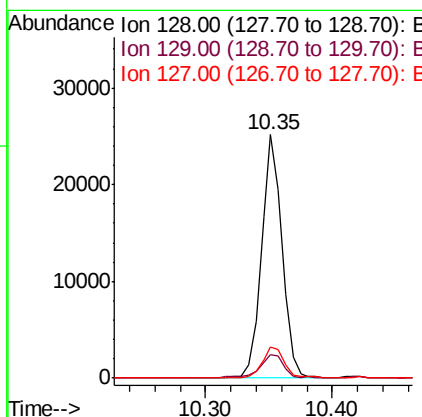
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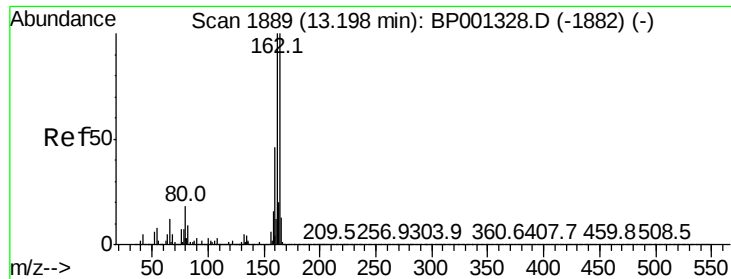
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#31
Naphthalene
Concen: 2.949 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	9.8	8.6	12.8
127	12.9	11.0	16.6





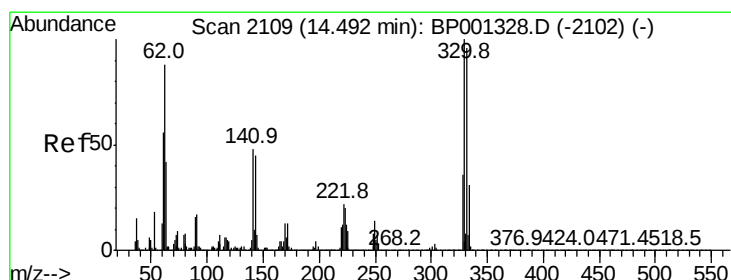
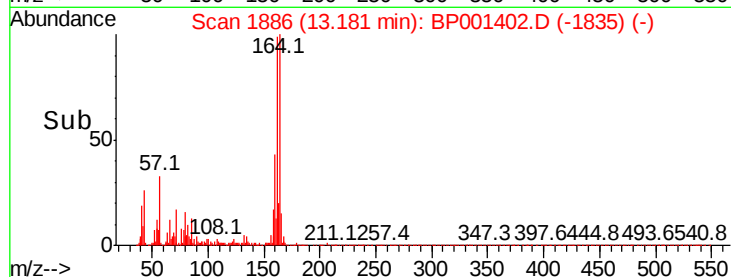
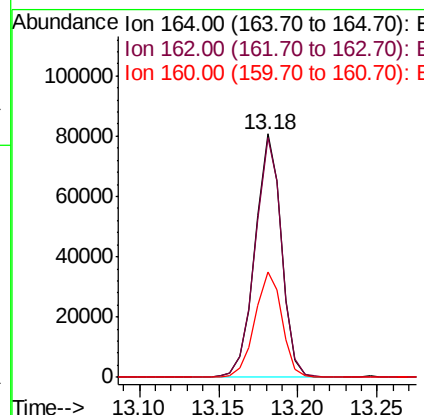
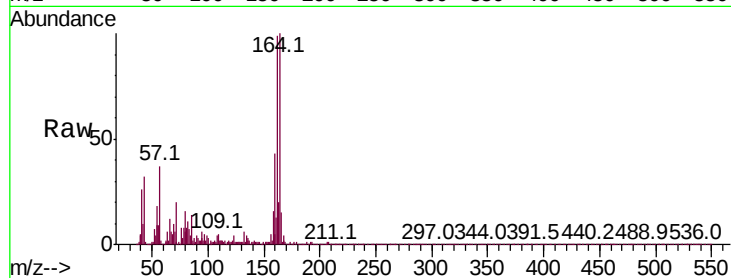
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.18 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Instrument :
BNA_P
ClientSampleId :
SB-2-(8-10)

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.6	78.2	117.4
160	43.2	35.1	52.7

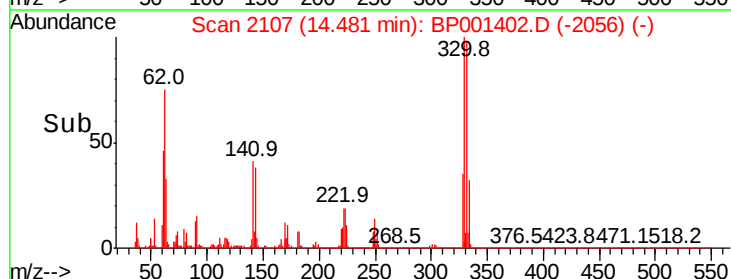
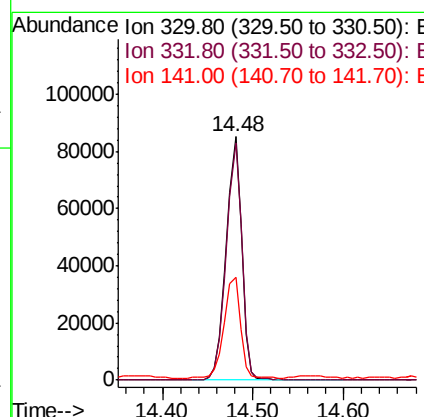
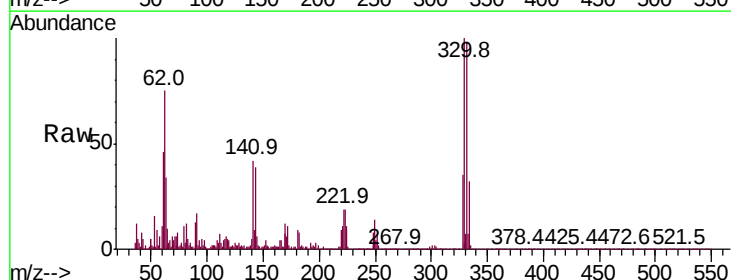
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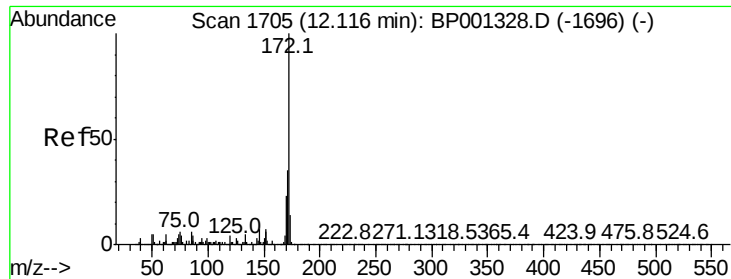
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#42
2,4,6-Tribromophenol
Concen: 87.473 ng
RT: 14.48 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.3	117.5
141	44.2	26.8	40.2





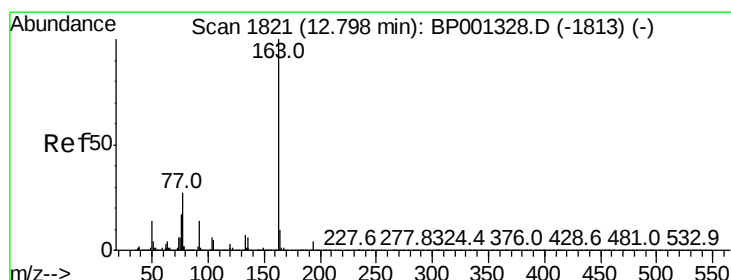
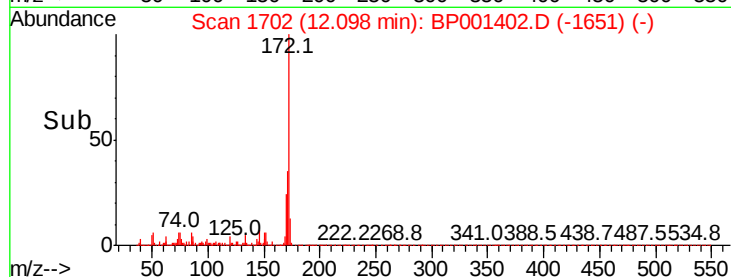
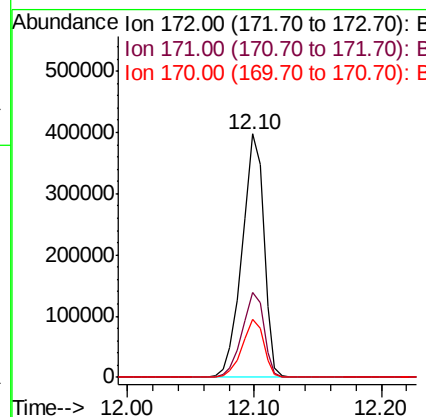
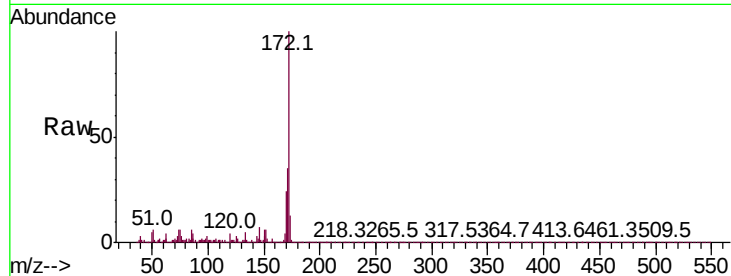
#45
2-Fluorobiphenyl
Concen: 64.374 ng
RT: 12.10 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Instrument :
BNA_P
ClientSampleId :
SB-2-(8-10)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.4	41.0
170	23.8	18.2	27.4

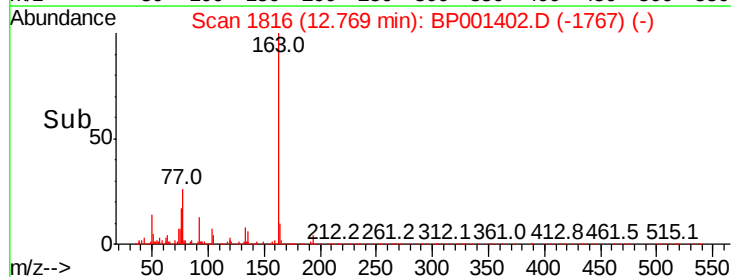
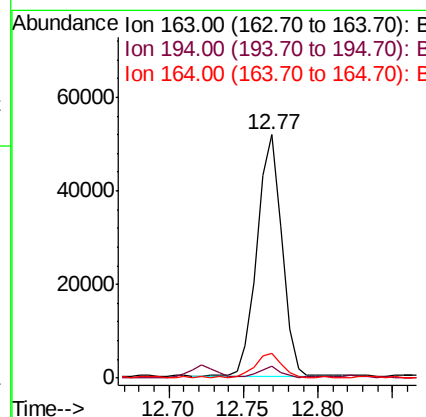
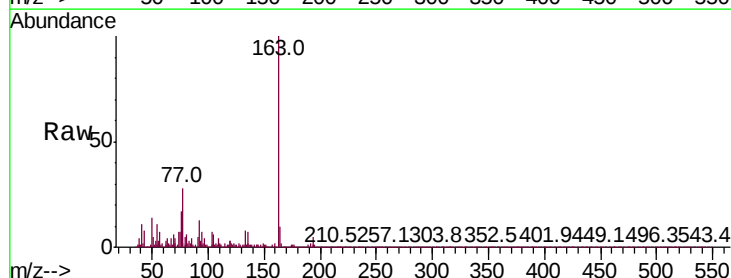
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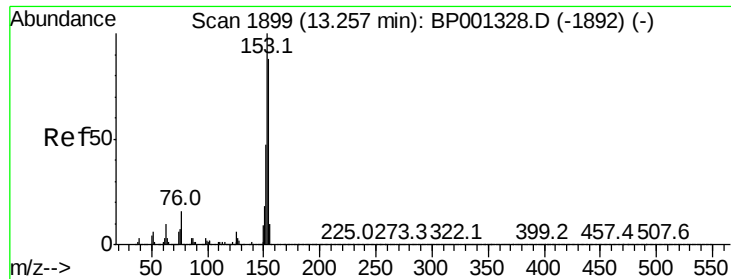
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#50
Dimethylphthalate
Concen: 7.847 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.2	4.8
164	10.2	7.7	11.5





#52

Acenaphthene

Concen: 3.912 ng

RT: 13.23 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BP001402.D

Acq: 24 Dec 2019 23:04

Instrument :

BNA_P

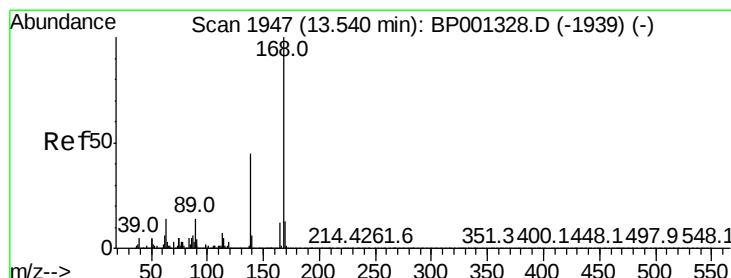
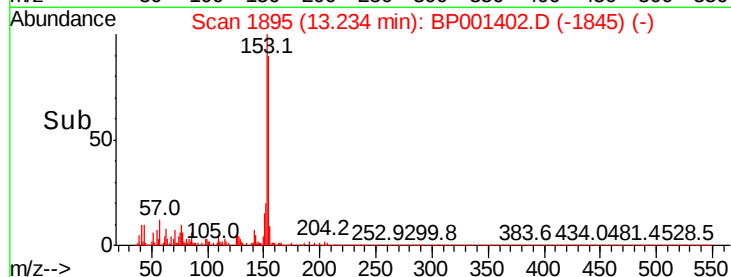
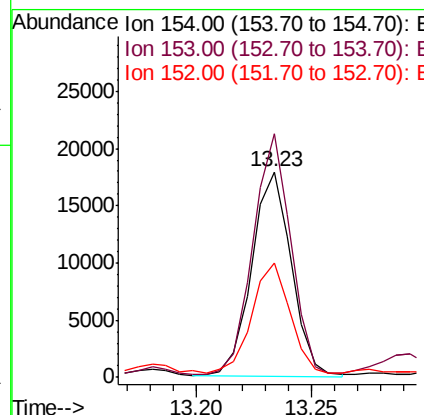
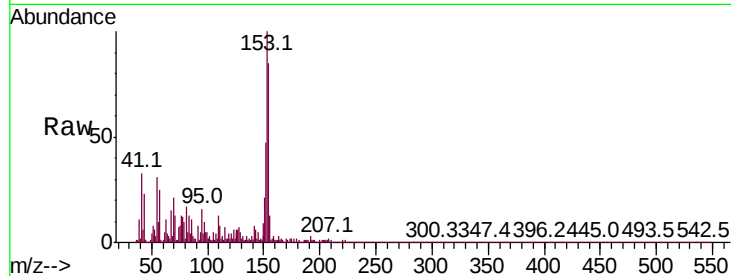
ClientSampleId :

SB-2-(8-10)

Tot Ion:	154	Resp:	21521
Ion Ratio	Lower	Upper	
154	100		
153	118.3	90.1	135.1
152	55.6	41.8	62.6

Manual Integrations
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#55

Dibenzofuran

Concen: 2.695 ng

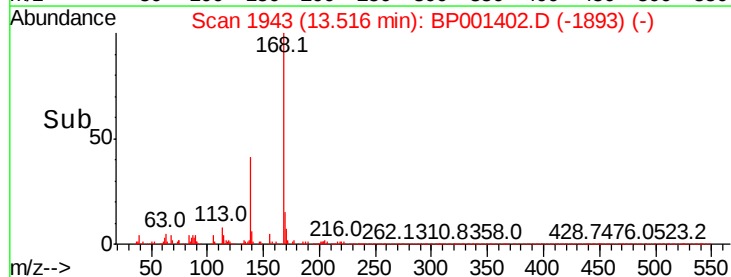
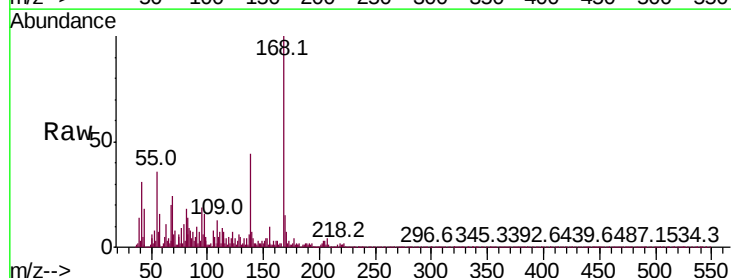
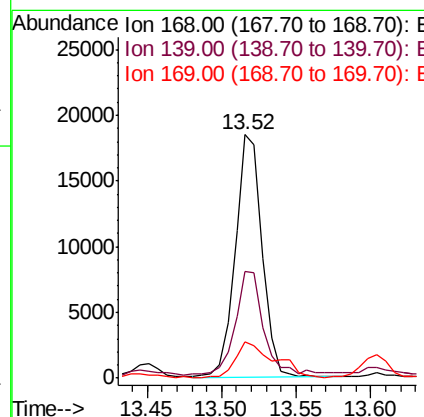
RT: 13.52 min Scan# 1943

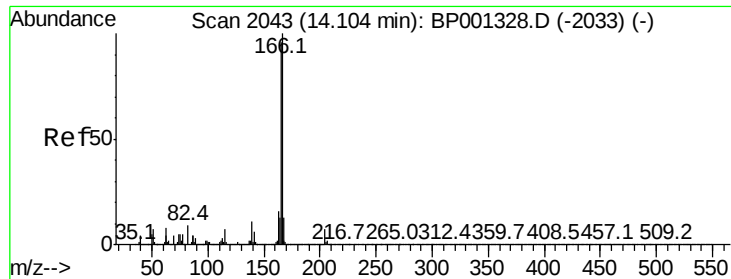
Delta R.T. -0.01 min

Lab File: BP001402.D

Acq: 24 Dec 2019 23:04

Tgt Ion:	168	Resp:	23228
Ion Ratio	Lower	Upper	
168	100		
139	44.1	33.0	49.4
169	14.8	10.6	16.0





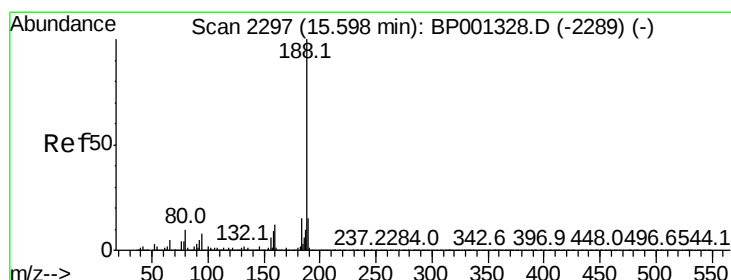
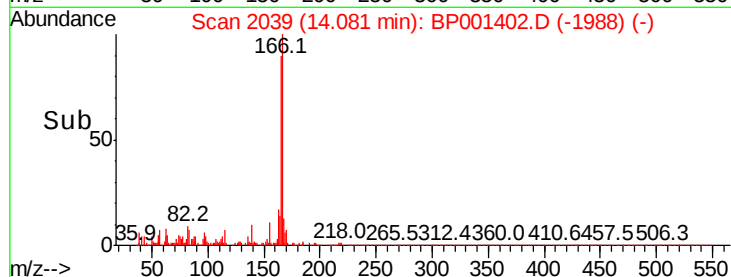
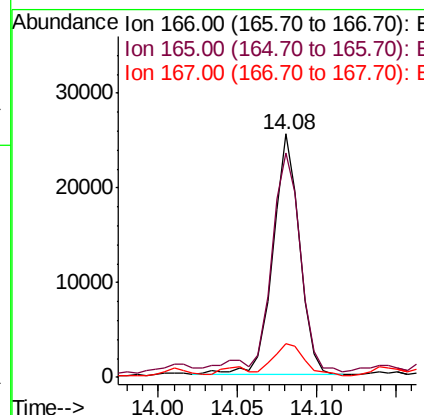
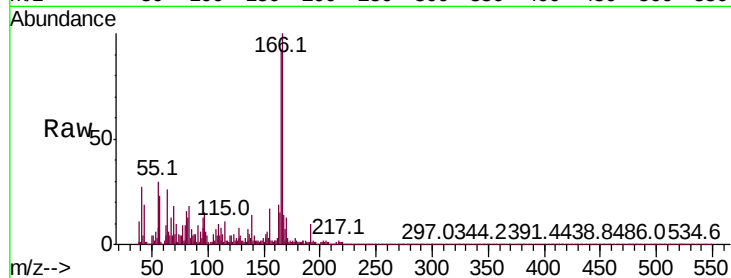
#58
Fluorene
Concen: 4.305 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.00 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Instrument :
BNA_P
ClientSampled :
SB-2-(8-10)

Tot Ion	Ratio	Lower	Upper
166	100		
165	92.1	76.6	114.8
167	13.7	11.0	16.4

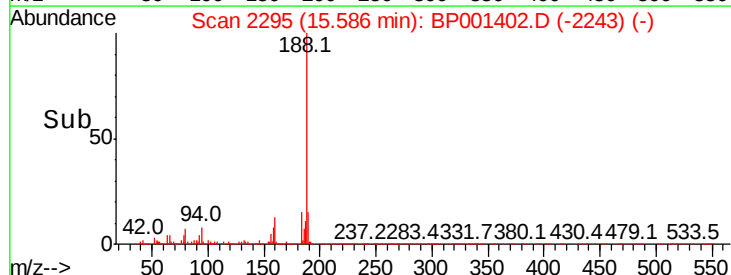
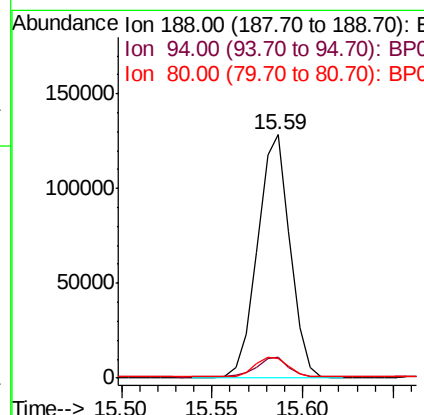
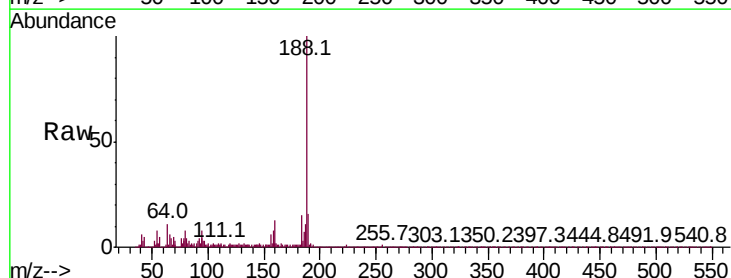
Manual Integrations
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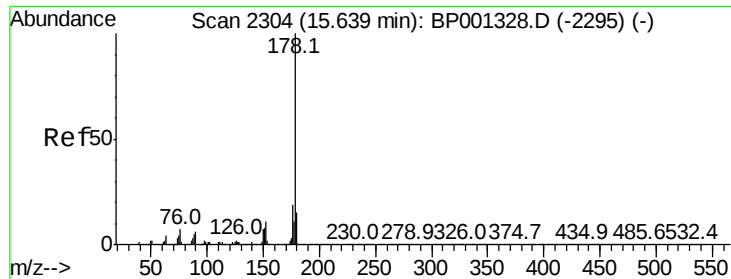
mohammad
12/26/2019 4:01:46 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	5.8	8.8
80	7.8	5.7	8.5





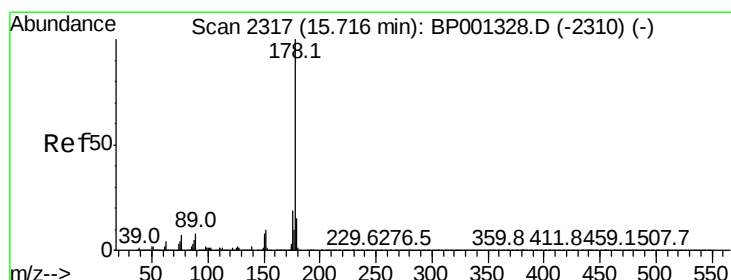
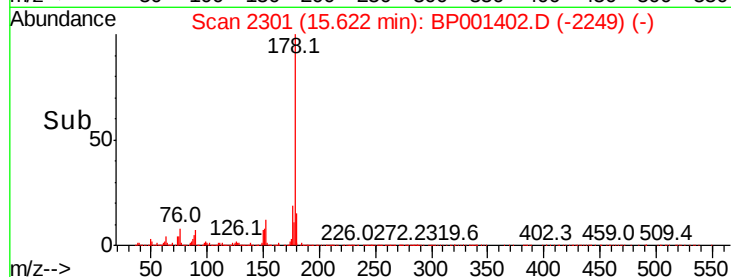
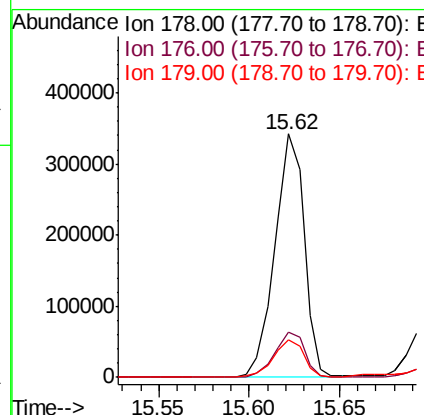
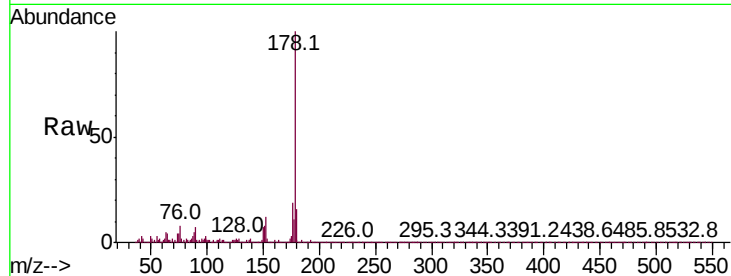
#71
Phenanthrene
Concen: 42.218 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Instrument :
BNA_P
ClientSampleId :
SB-2-(8-10)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.6	12.2	18.2

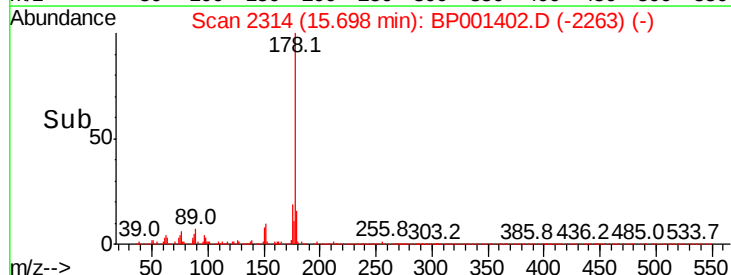
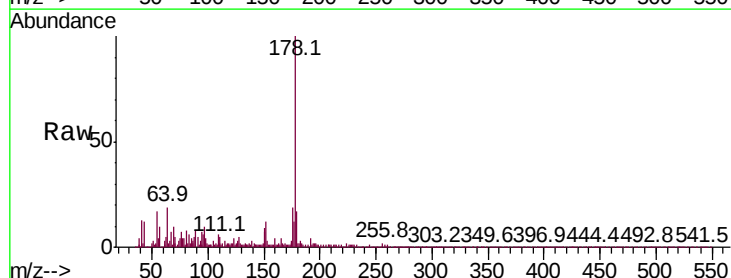
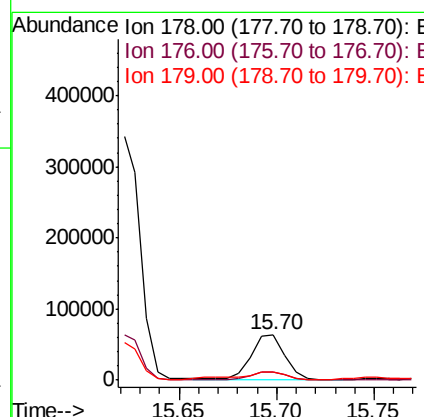
Manual Integrations
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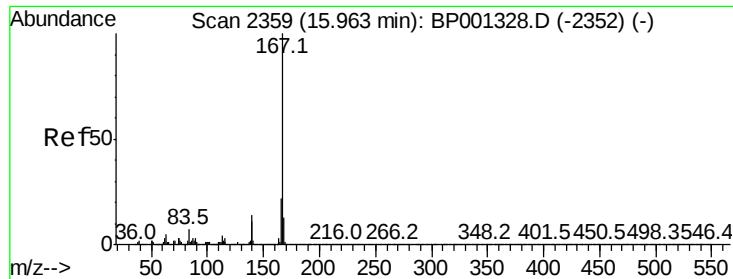
mohammad
12/26/2019 4:01:46 PM



#72
Anthracene
Concen: 8.405 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.5	21.7
179	16.9	11.8	17.8





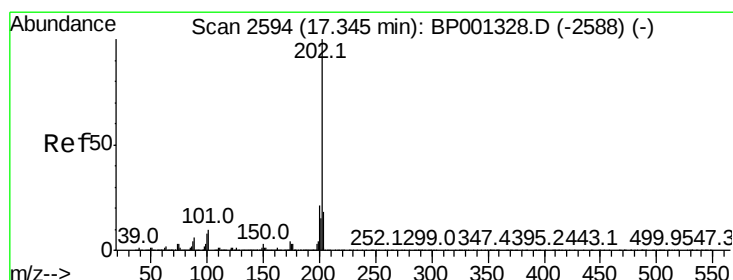
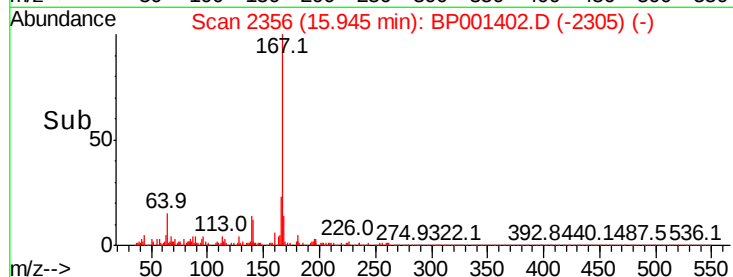
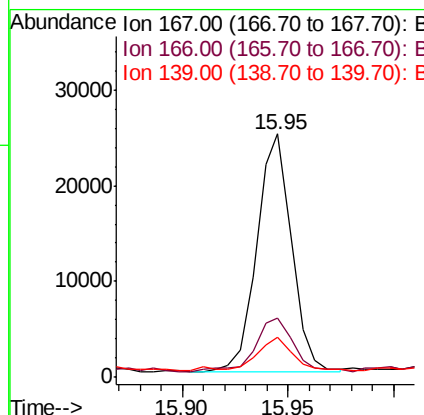
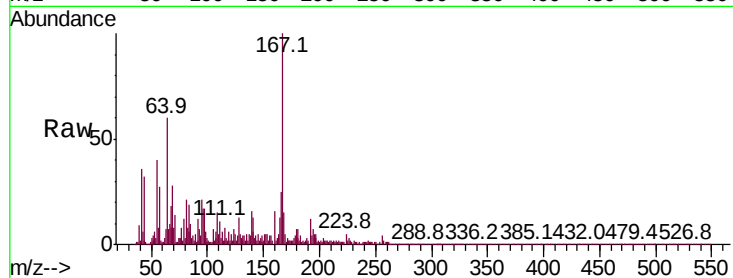
#73
 Carbazole
 Concen: 3.511 ng
 RT: 15.95 min Scan# 2356
 Delta R.T. -0.00 min
 Lab File: BP001402.D
 Acq: 24 Dec 2019 23:04

Instrument :
 BNA_P
 ClientSampleId :
 SB-2-(8-10)

Tot Ion	Ratio	Resp Lower	Upper
167	100		
166	24.6	17.4	26.2
139	16.4	10.9	16.3#

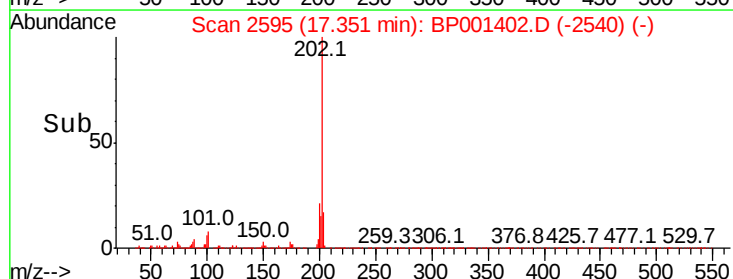
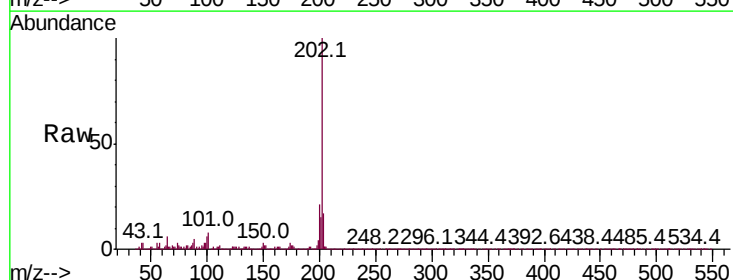
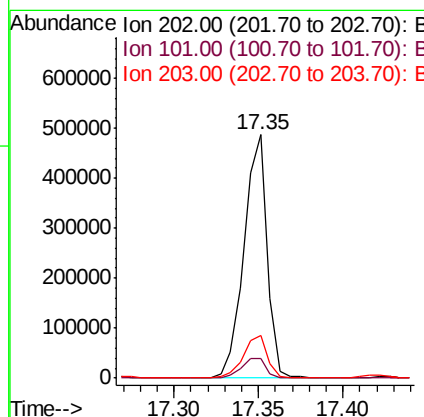
Manual Integrations
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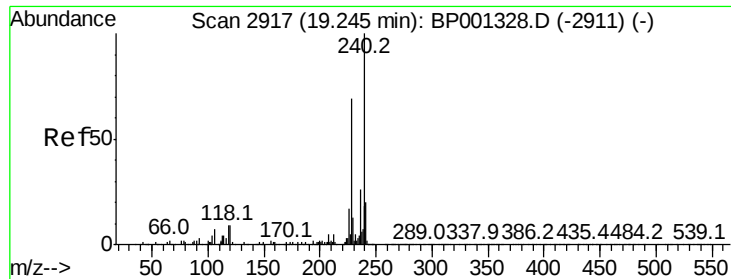
mohammad
 12/26/2019 4:01:46 PM



#75
 Fluoranthene
 Concen: 45.534 ng
 RT: 17.35 min Scan# 2595
 Delta R.T. 0.02 min
 Lab File: BP001402.D
 Acq: 24 Dec 2019 23:04

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	8.2	0.0	28.7
203	17.3	0.0	37.4





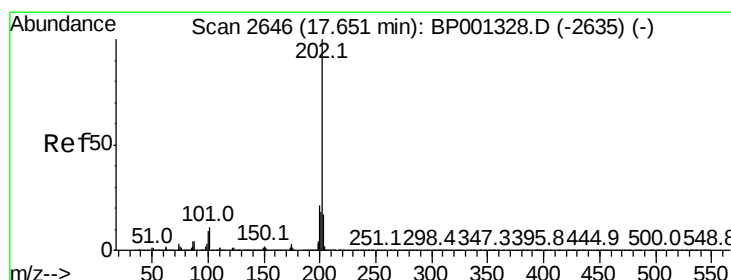
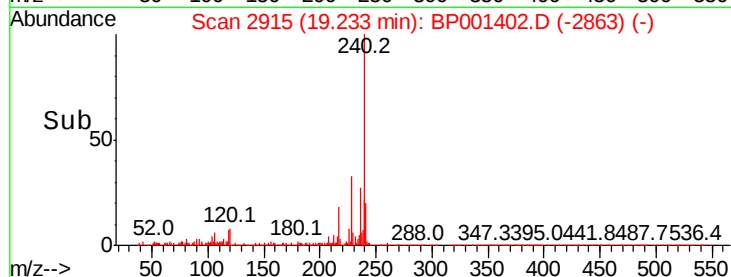
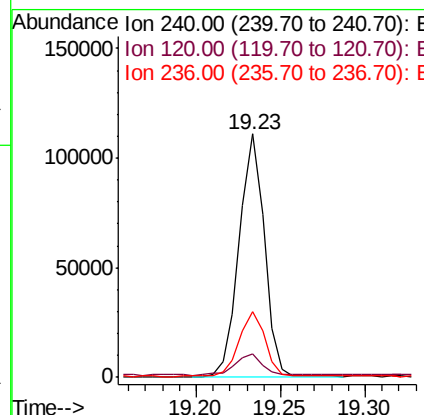
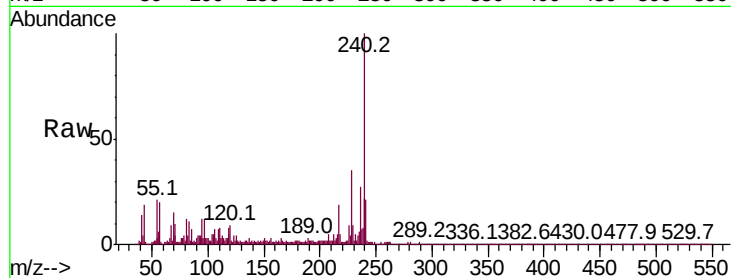
#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.23 min Scan# 2915
Delta R.T. 0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Instrument :
BNA_P
ClientSampleId :
SB-2-(8-10)

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	6.2	9.2#
236	27.0	20.2	30.2

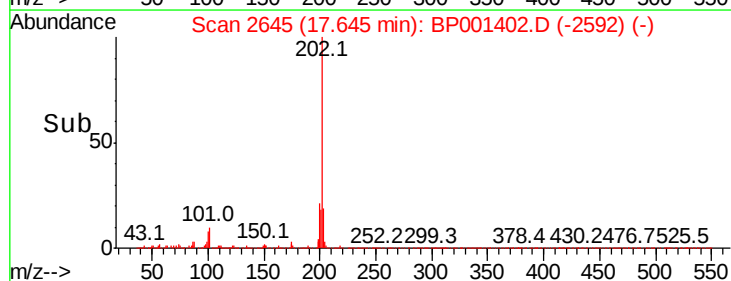
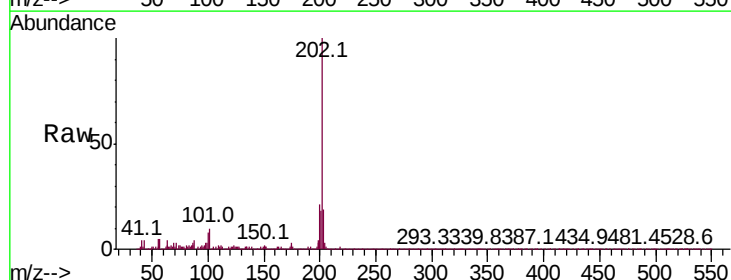
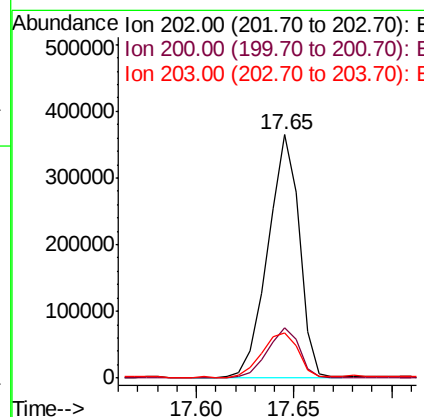
Manual Integrations
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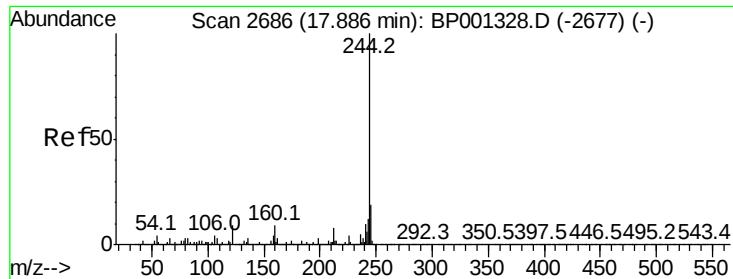
mohammad
12/26/2019 4:01:46 PM



#78
Pyrene
Concen: 45.101 ng
RT: 17.65 min Scan# 2645
Delta R.T. 0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	25.0
203	18.8	14.3	21.5





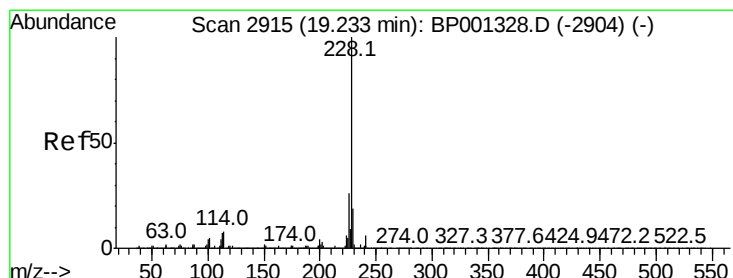
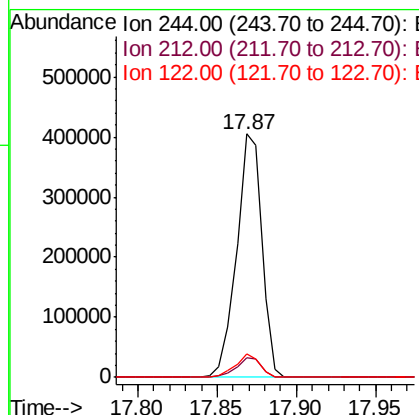
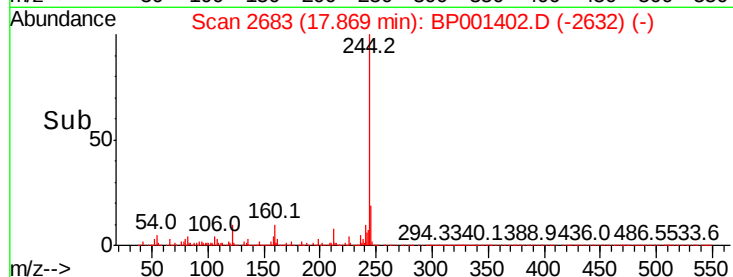
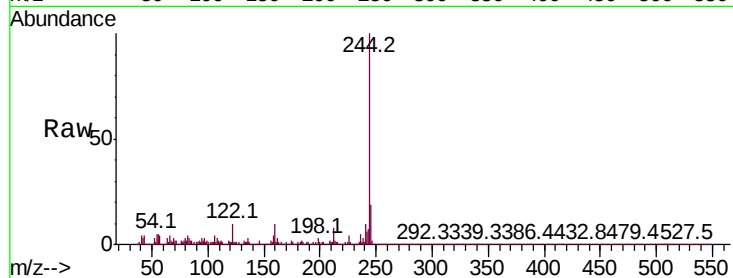
#79
 Terphenyl-d14
 Concen: 66.126 ng
 RT: 17.87 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: BP001402.D
 Acq: 24 Dec 2019 23:04

Instrument :
 BNA_P
 ClientSampled :
 SB-2-(8-10)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	9.8	6.4	9.6

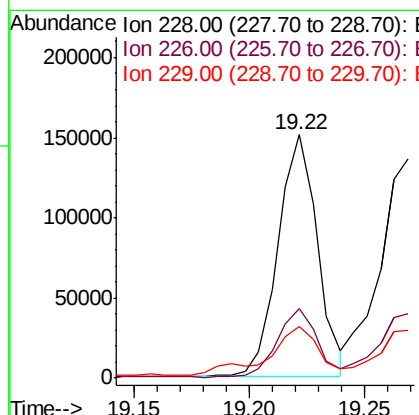
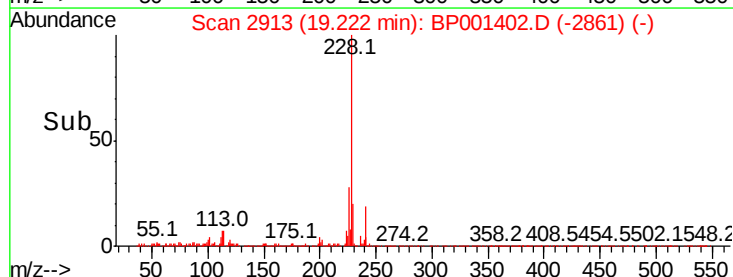
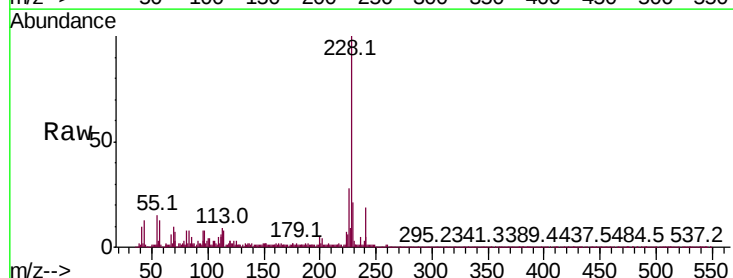
Manual Integrations
 APPROVED

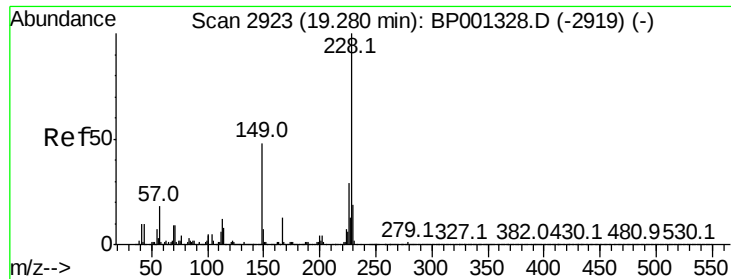
mohammad
 12/26/2019 4:01:46 PM



#81
 Benzo(a)anthracene
 Concen: 21.311 ng
 RT: 19.22 min Scan# 2913
 Delta R.T. 0.01 min
 Lab File: BP001402.D
 Acq: 24 Dec 2019 23:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.4	32.2
229	21.2	15.7	23.5





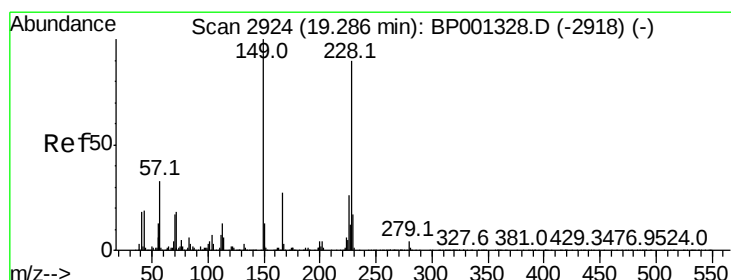
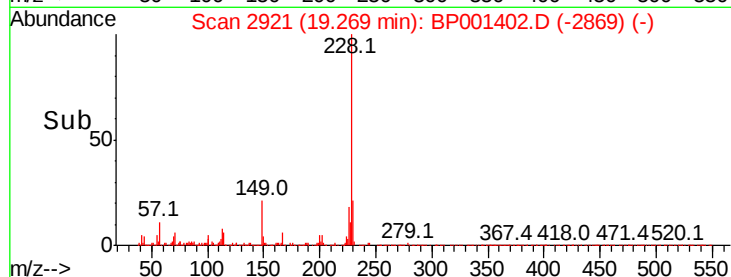
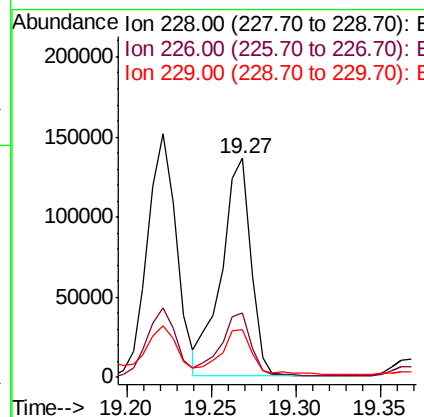
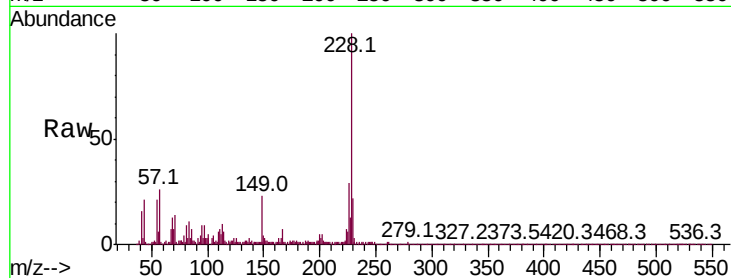
#83
Chrysene
Concen: 20.396 ng
RT: 19.27 min Scan# 2921
Delta R.T. 0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Instrument :
BNA_P
ClientSampled :
SB-2-(8-10)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	21.8	15.5	23.3

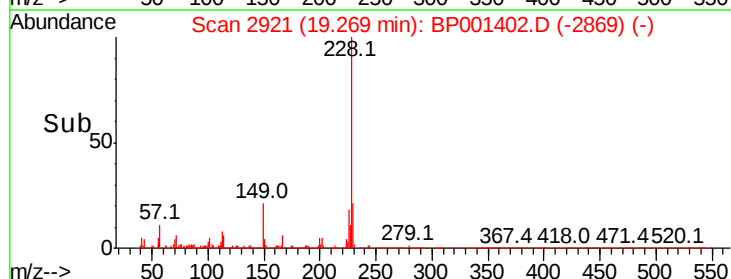
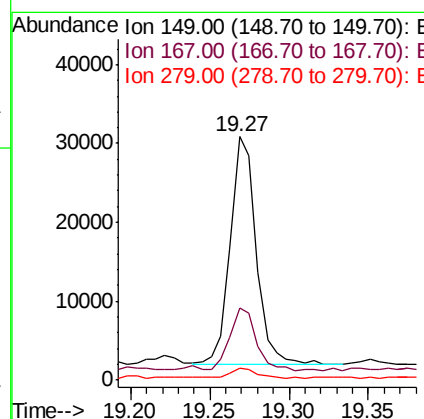
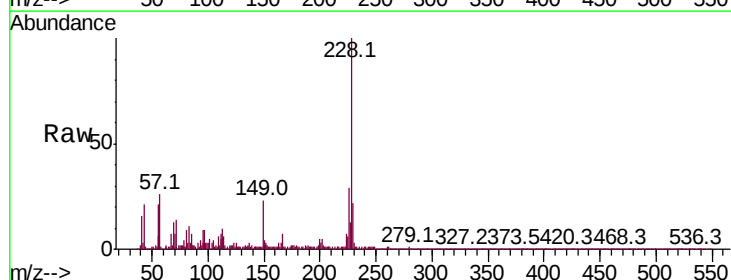
Manual Integrations
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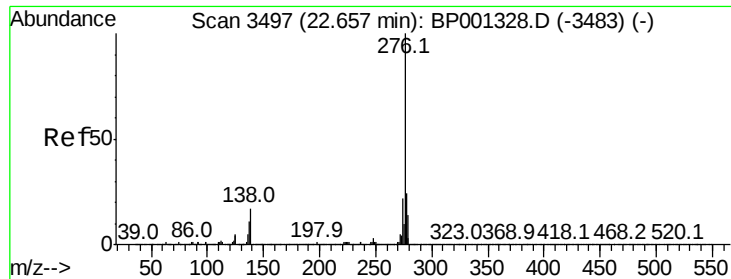
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 5.427 ng
RT: 19.27 min Scan# 2921
Delta R.T. 0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.8	21.4	32.0
279	4.9	3.2	4.8#





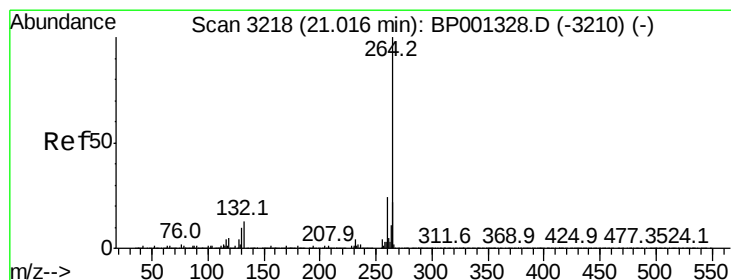
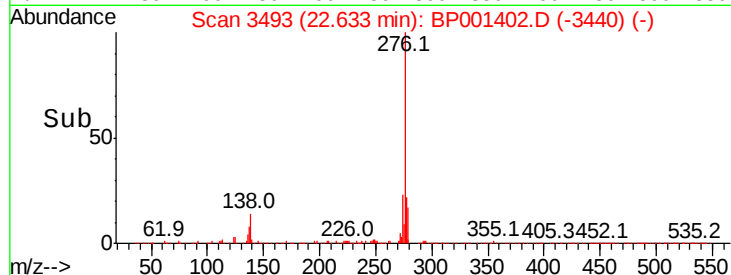
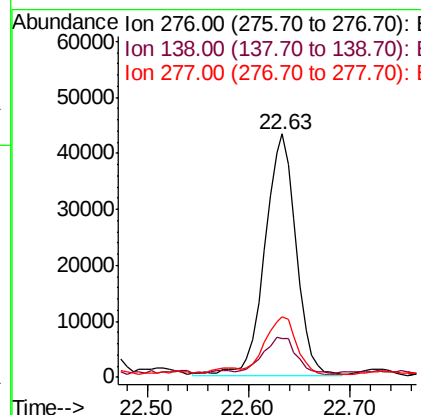
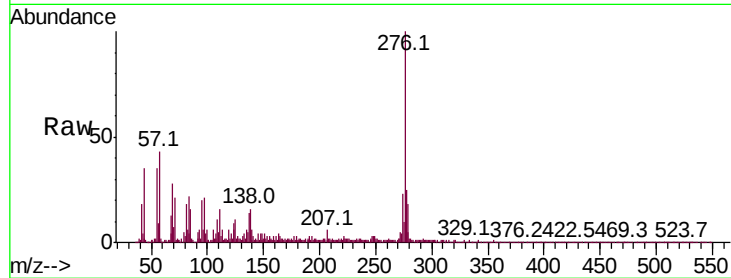
#86
Indeno(1,2,3-cd)pyrene
Concen: 10.561 ng
RT: 22.63 min Scan# 3493
Delta R.T. 0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Instrument :
BNA_P
ClientSampleId :
SB-2-(8-10)

Tot Ion:	276	Resp:	92593
Ion Ratio	Lower	Upper	
276	100		
138	15.2	12.8	19.2
277	24.7	19.9	29.9

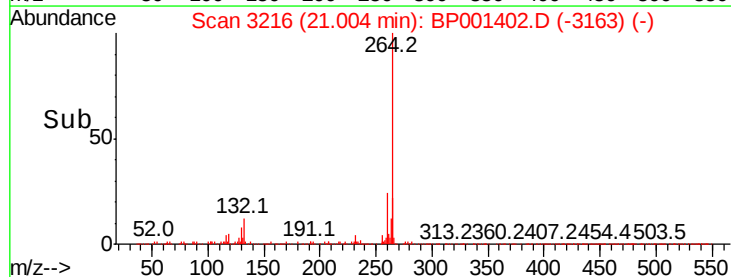
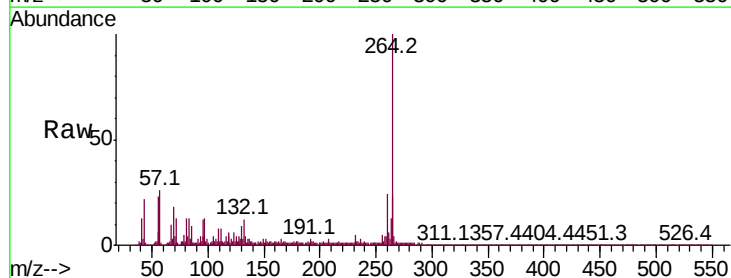
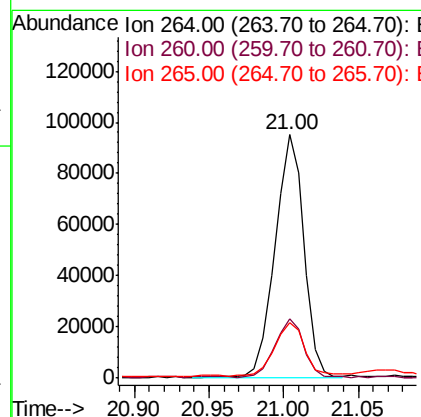
Manual Integrations
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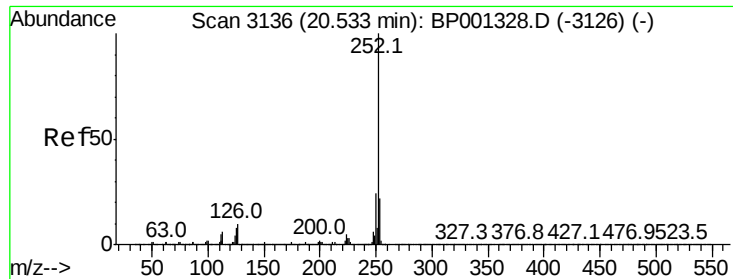
mohammad
12/26/2019 4:01:46 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 21.00 min Scan# 3216
Delta R.T. 0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Tgt Ion:	264	Resp:	127245
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.0	28.4
265	22.5	17.0	25.4





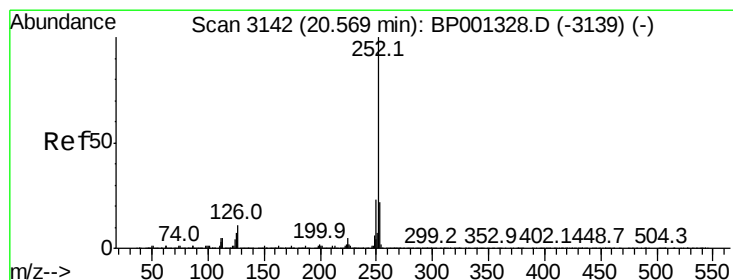
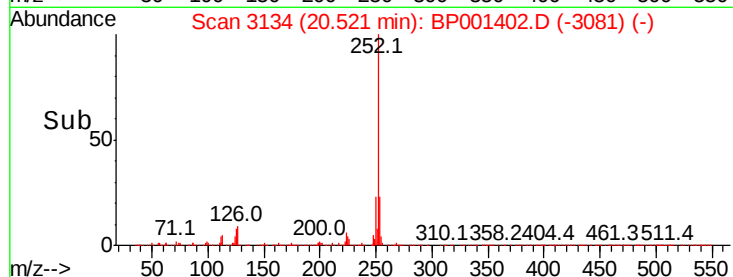
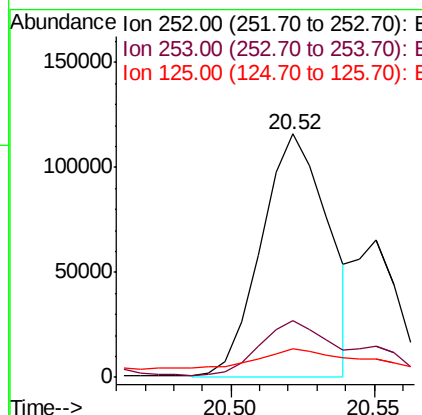
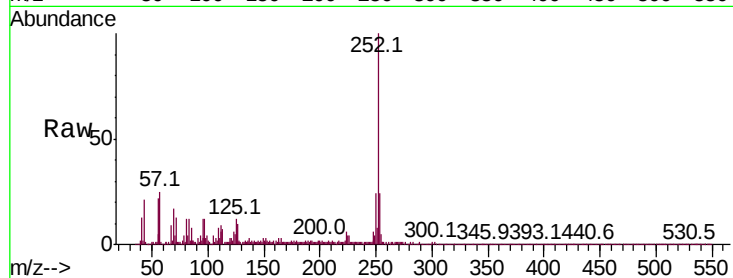
#88
Benzo(b)fluoranthene
Concen: 22.776 ng m
RT: 20.52 min Scan# 3134
Delta R.T. 0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Instrument :
BNA_P
ClientSampleId :
SB-2-(8-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	11.7	5.6	8.4

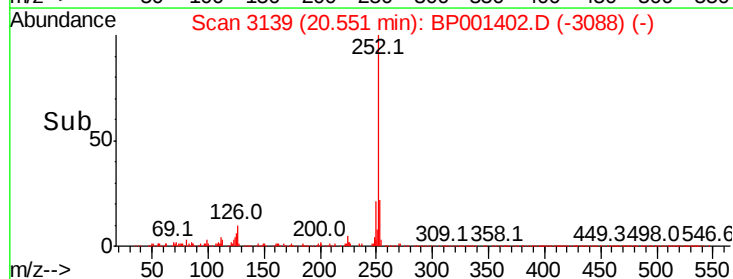
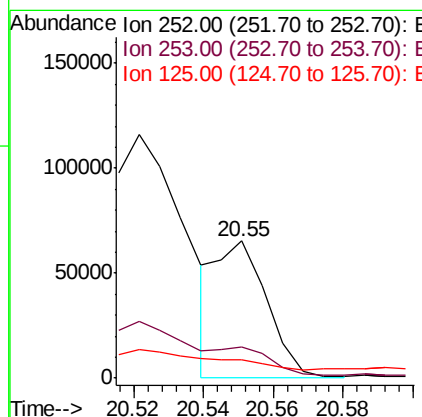
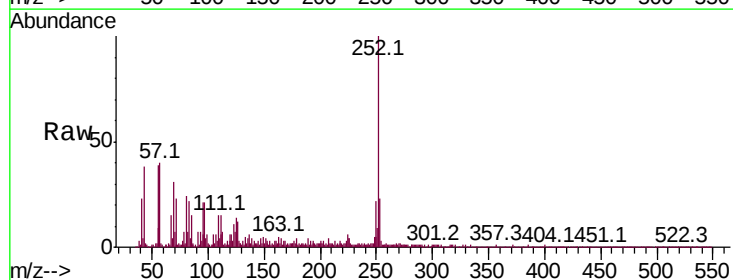
Manual Integrations
APPROVED

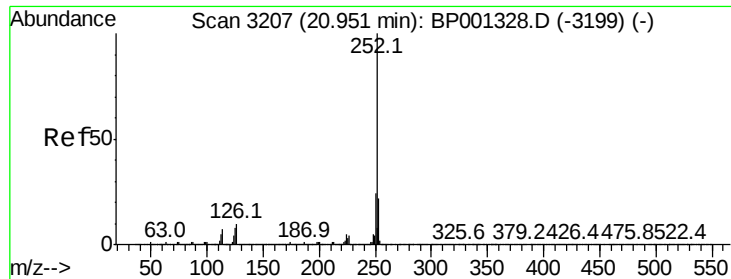
mohammad
12/26/2019 4:01:46 PM



#89
Benzo(k)fluoranthene
Concen: 8.329 ng m
RT: 20.55 min Scan# 3139
Delta R.T. -0.00 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	13.7	4.5	6.7





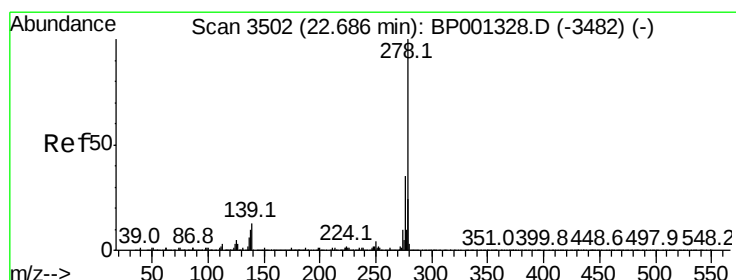
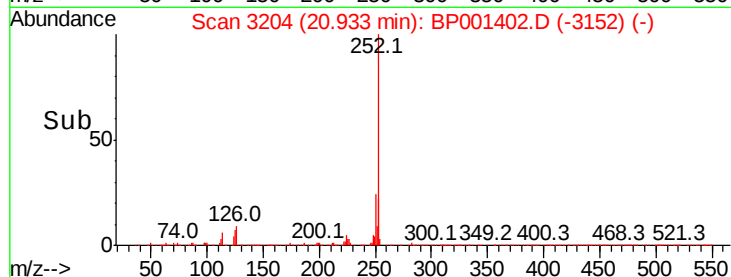
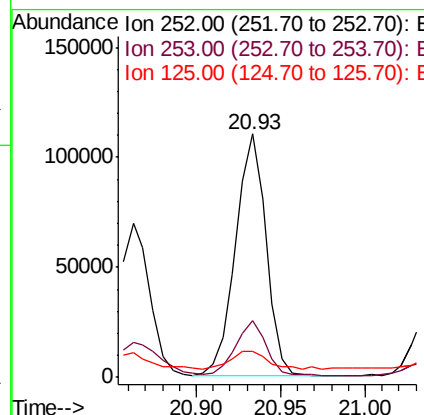
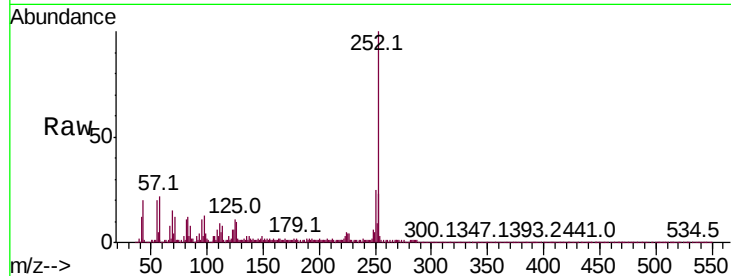
#90
Benzo(a)pyrene
Concen: 18.155 ng
RT: 20.93 min Scan# 3204
Delta R.T. 0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Instrument :
BNA_P
Client Sample ID :
SB-2-(8-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	10.8	5.2	7.8#

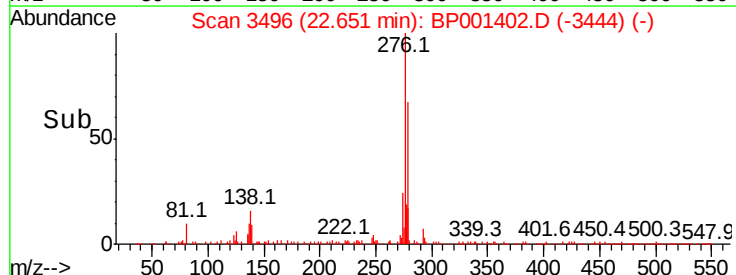
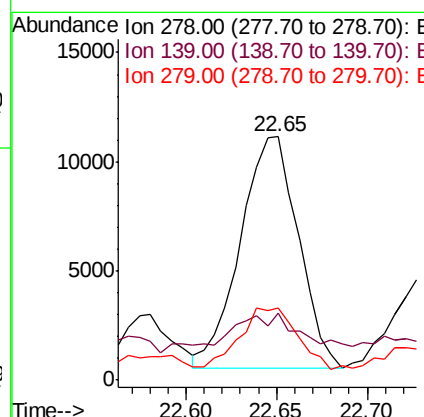
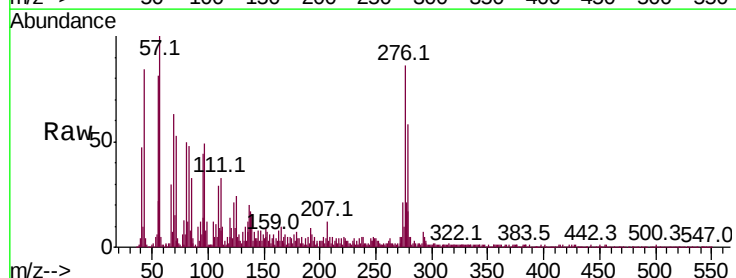
Manual Integrations
APPROVED

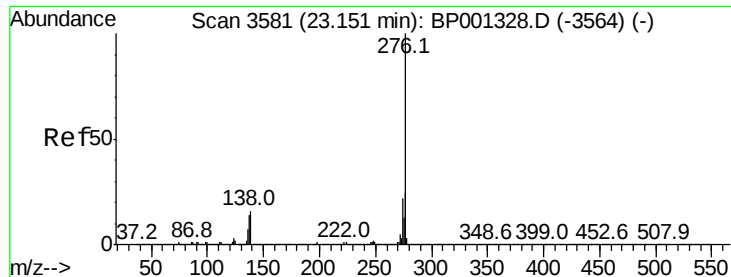
mohammad
12/26/2019 4:01:46 PM



#91
Dibenzo(a,h)anthracene
Concen: 3.172 ng
RT: 22.65 min Scan# 3496
Delta R.T. 0.01 min
Lab File: BP001402.D
Acq: 24 Dec 2019 23:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.6	8.3	12.5#
279	29.8	19.1	28.7#





#92
 Benzo(a,h,i)perylene
 Concen: 12.134 ng
 RT: 23.12 min Scan# 3575
 Delta R.T. 0.01 min
 Lab File: BP001402.D
 Acq: 24 Dec 2019 23:04

Instrument :
 BNA_P
 ClientSampleId :
 SB-2-(8-10)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	27.8
138	16.0	10.5	15.7

Manual Integrations
 APPROVED

mohammad
 12/26/2019 4:01:46 PM

