

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
 Data File : BP001403.D
 Acq On : 24 Dec 2019 23:34
 Operator : JU
 Sample : K6396-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-DUPLICATE

Manual Integrations
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Quant Time: Dec 25 06:47:20 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	50336	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	188675	20.00	ng	0.00
39) Acenaphthene-d10	13.18	164	103090	20.00	ng	0.00
64) Phenanthrene-d10	15.58	188	172778	20.00	ng	0.00
76) Chrysene-d12	19.23	240	117887	20.00	ng	0.00
87) Perylene-d12	21.00	264	123781	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	308875	99.17	ng	0.01
7) Phenol-d6	7.75	99	433106	106.57	ng	0.00
23) Nitrobenzene-d5	9.17	82	304456	61.97	ng	0.00
42) 2,4,6-Tribromophenol	14.48	330	104707	81.24	ng	0.00
45) 2-Fluorobiphenyl	12.10	172	560105	68.70	ng	0.00
79) Terphenyl-d14	17.87	244	478385	69.50	ng	0.00
Target Compounds						
10) Phenol	7.77	94	14349	3.090	ng	Qvalue # 75
50) Dimethylphthalate	12.77	163	20351	2.406	ng	97
71) Phenanthrene	15.62	178	98851	10.028	ng	100
72) Anthracene	15.69	178	26637	2.730	ng	96
75) Fluoranthene	17.33	202	223170	20.247	ng	99
78) Pyrene	17.64	202	202418	22.115	ng	99
81) Benzo(a)anthracene	19.22	228	112945	13.148	ng	96
83) Chrysene	19.26	228	98336	11.860	ng	97
86) Indeno(1,2,3-cd)pyrene	22.62	276	58159	6.495	ng	98
88) Benzo(b)fluoranthene	20.52	252	124599m	15.328	ng	
89) Benzo(k)fluoranthene	20.54	252	41904m	5.411	ng	
90) Benzo(a)pyrene	20.92	252	95073	12.838	ng	# 95
91) Dibenzo(a,h)anthracene	22.63	278	16096	2.223	ng	# 91
92) Benzo(a,h,i)perylene	23.10	276	51136	7.391	ng	# 93

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

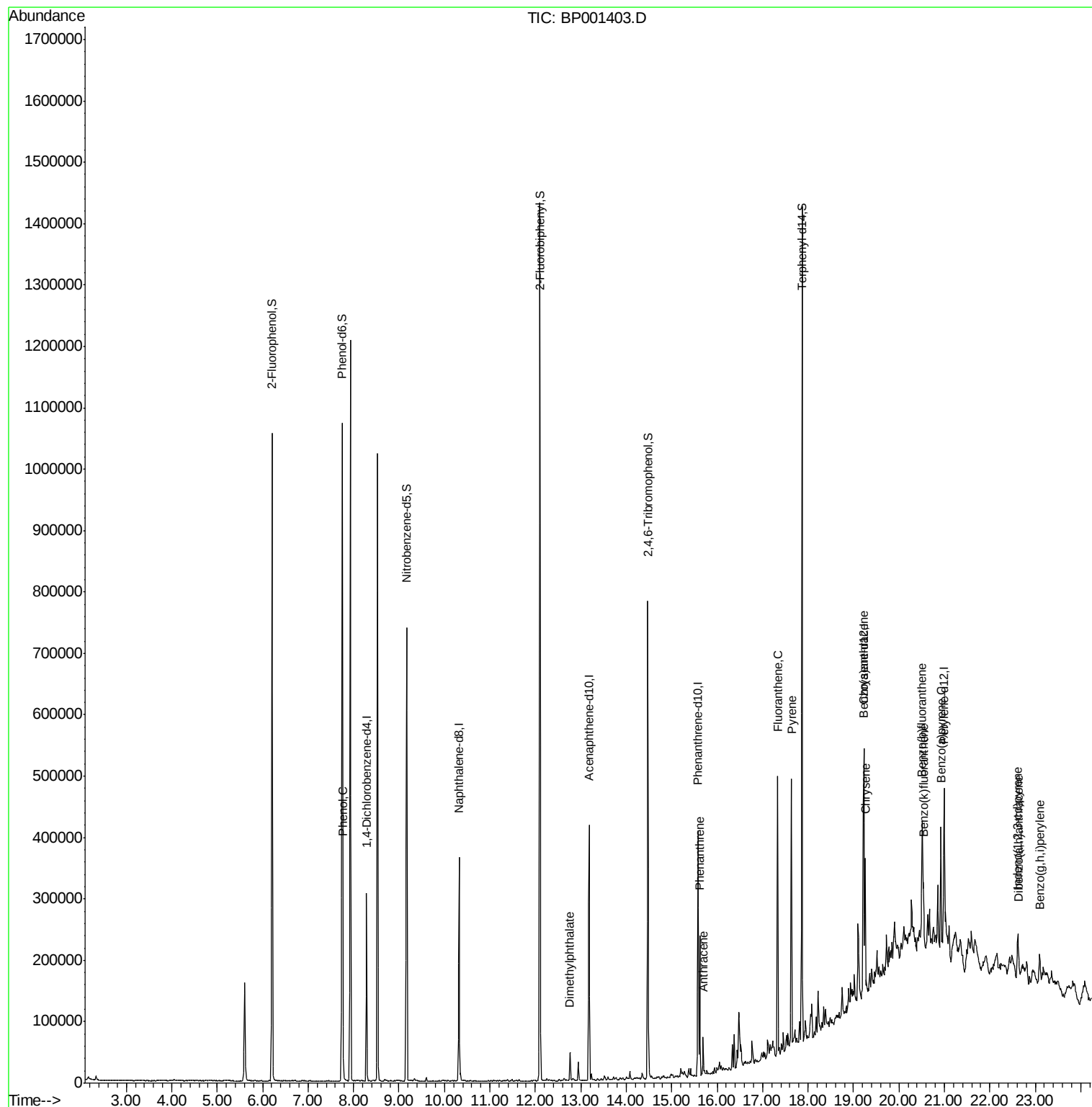
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
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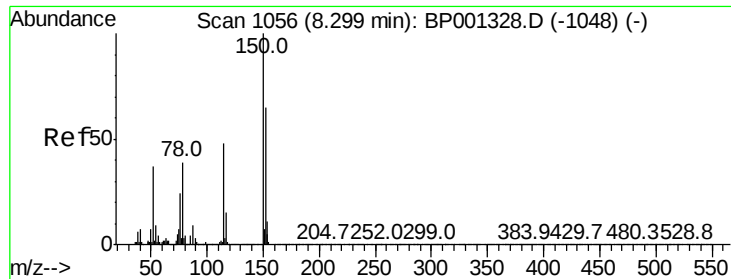
Instrument :
BNA_P
ClientSampleId :
SOIL-DUPLICATE

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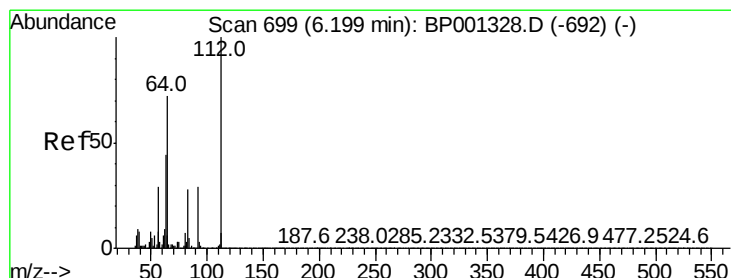
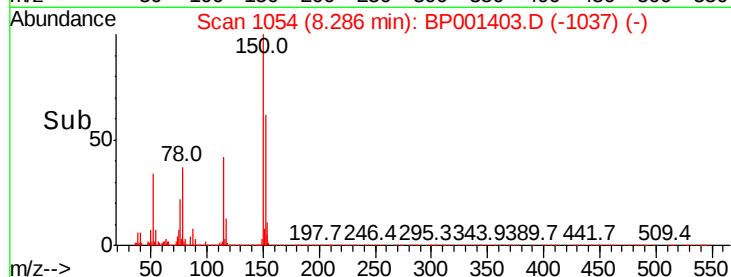
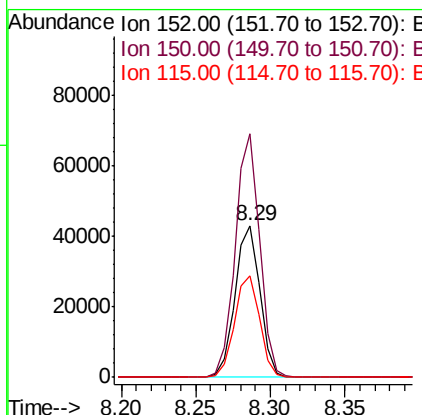
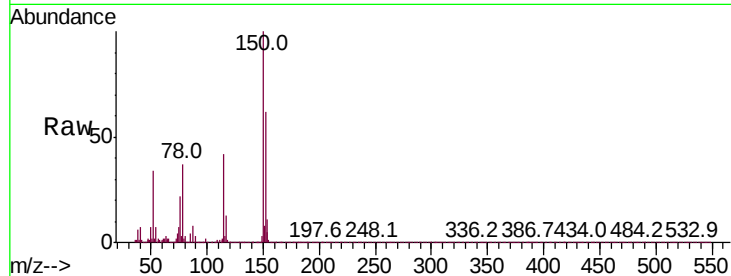
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.29 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Instrument :
BNA_P
ClientSampleId :
SOIL-DUPLICATE

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	127.0	190.6
115	67.1	56.1	84.1

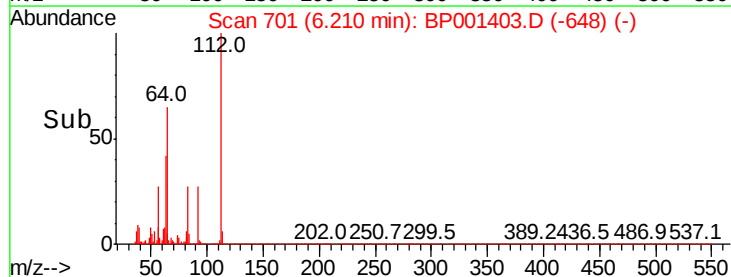
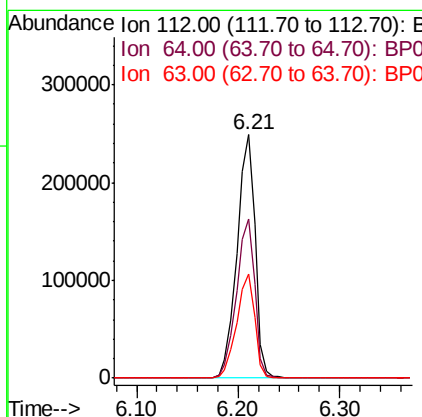
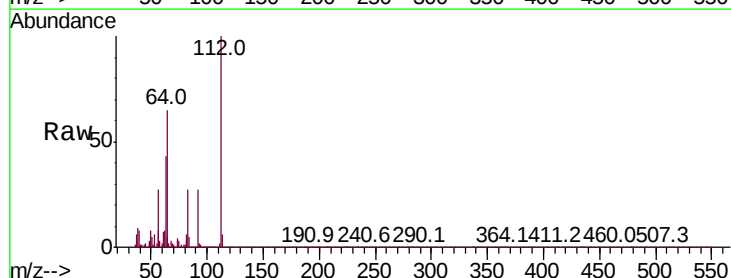
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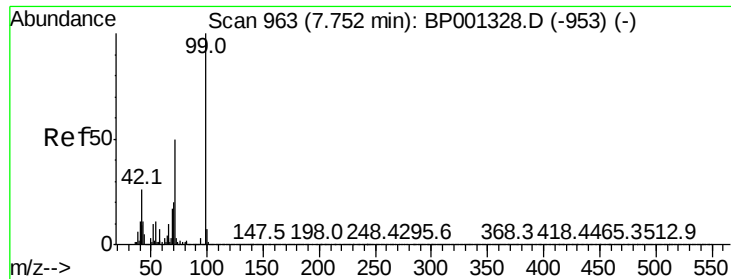
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#5
2-Fluorophenol
Concen: 99.174 ng
RT: 6.21 min Scan# 701
Delta R.T. 0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	53.9	80.9
63	42.5	33.4	50.0





#7

Phenol-d6

Concen: 106.571 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

Instrument :

BNA_P

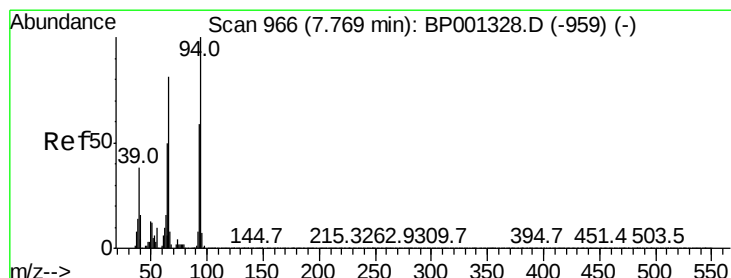
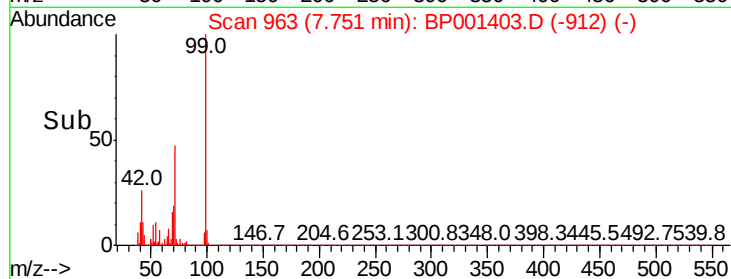
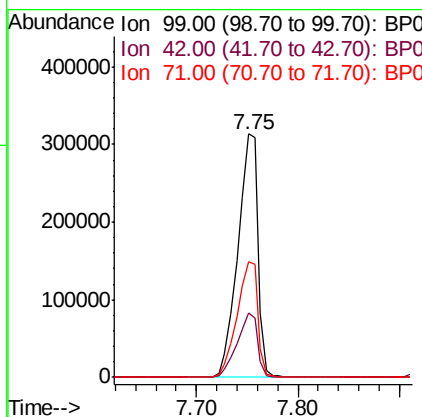
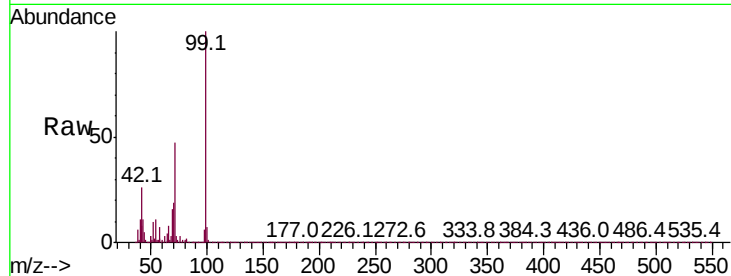
ClientSampleId :

SOIL-DUPLICATE

Tot Ion:	99	Resp:	433106
Ion Ratio	Lower	Upper	
99	100		
42	26.3	20.8	31.2
71	47.4	38.2	57.4

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#10

Phenol

Concen: 3.090 ng

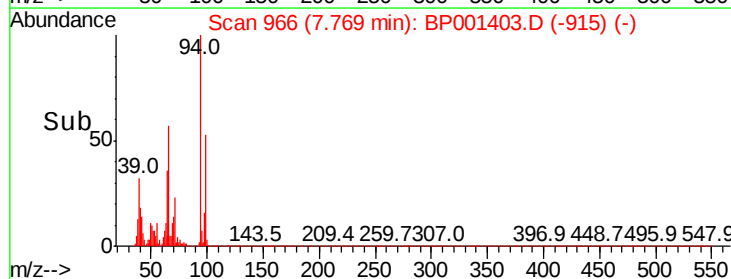
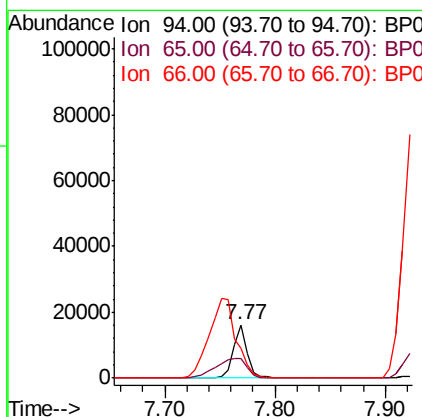
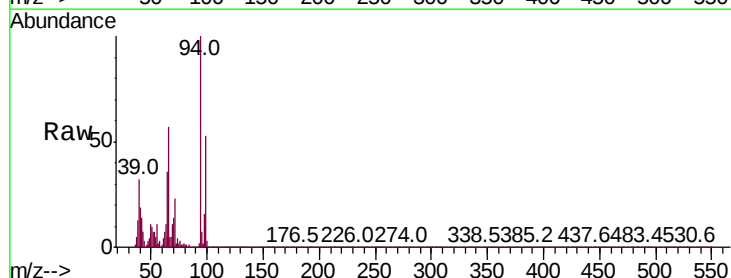
RT: 7.77 min Scan# 966

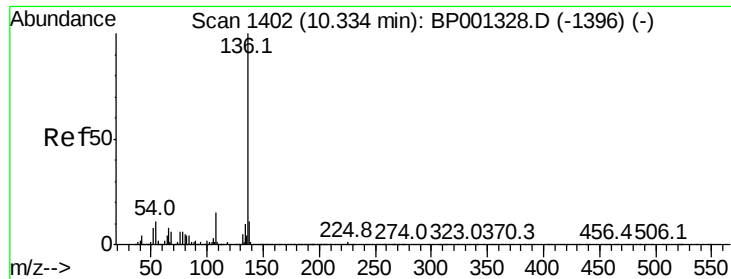
Delta R.T. -0.00 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

Tgt Ion:	94	Resp:	14349
Ion Ratio	Lower	Upper	
94	100		
65	35.7	29.6	69.6
66	56.9	62.3	102.3#





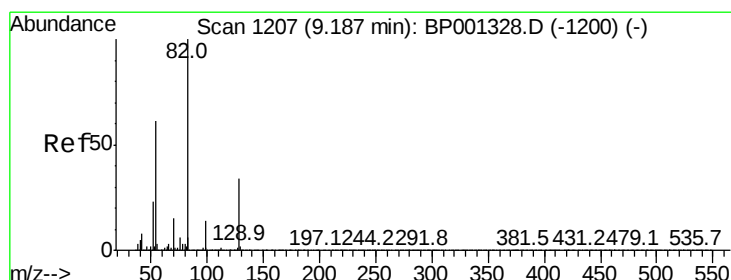
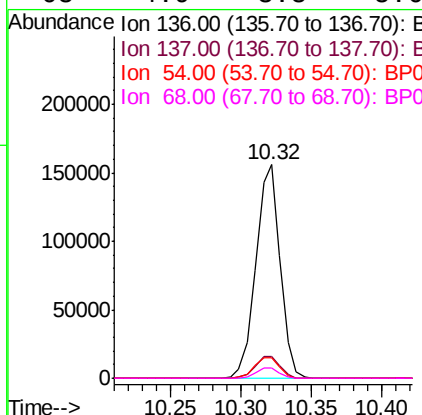
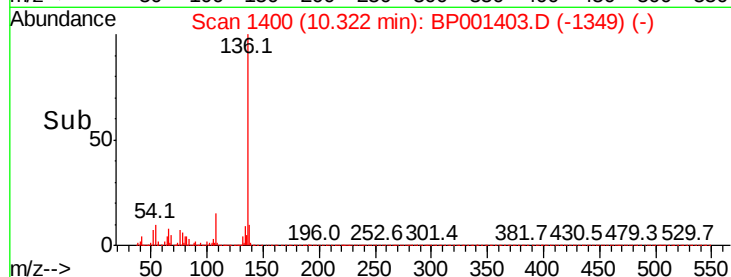
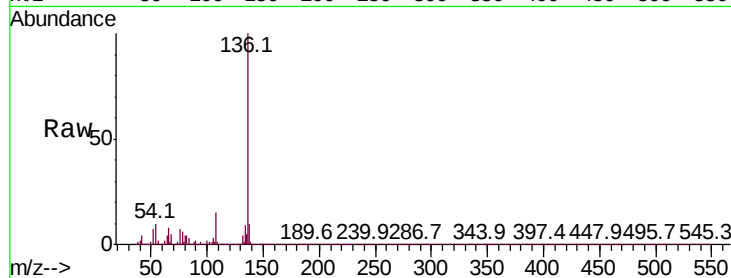
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Instrument :
BNA_P
ClientSampleId :
SOIL-DUPLICATE

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.3	9.0	13.4
54	9.7	7.3	10.9
68	4.9	3.8	5.6

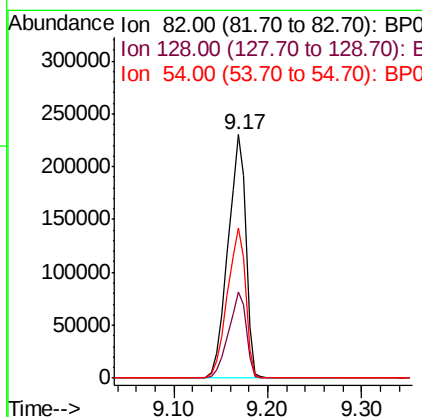
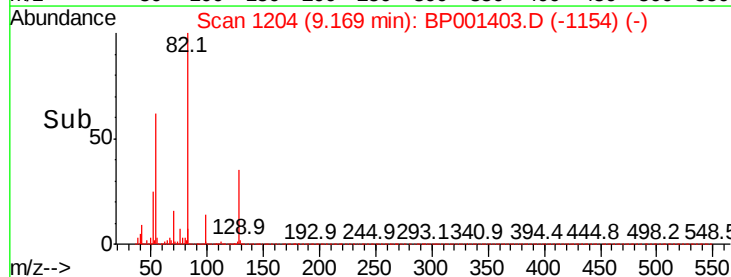
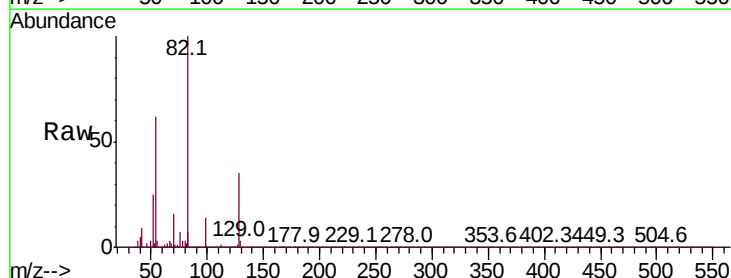
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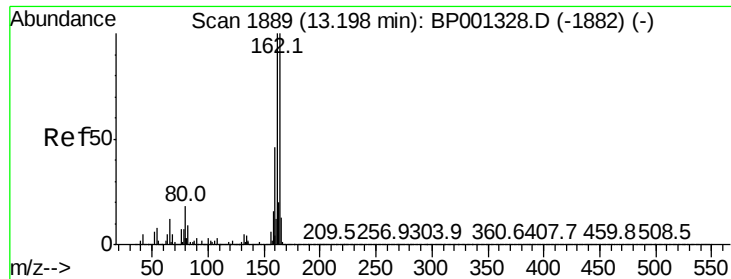
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#23
Nitrobenzene-d5
Concen: 61.966 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	35.3	27.4	41.0
54	61.8	47.5	71.3





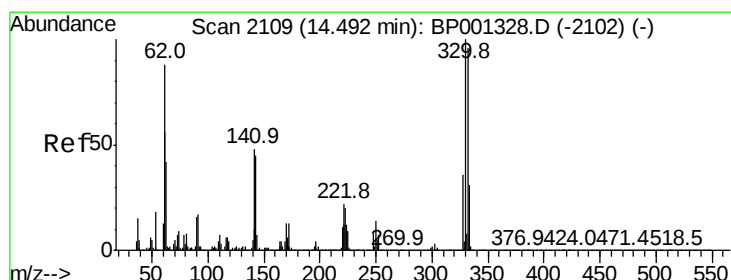
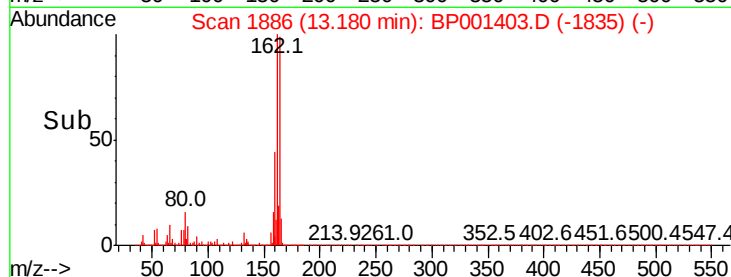
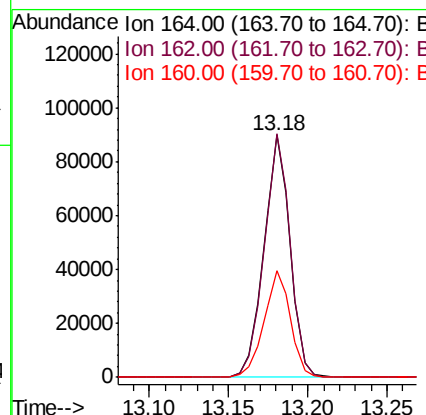
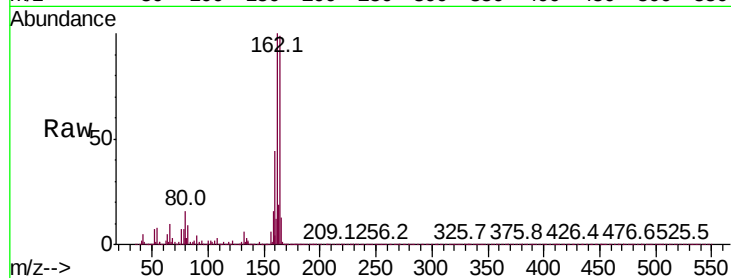
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.18 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Instrument :
BNA_P
ClientSampleId :
SOIL-DUPLICATE

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.7	78.2	117.4
160	44.2	35.1	52.7

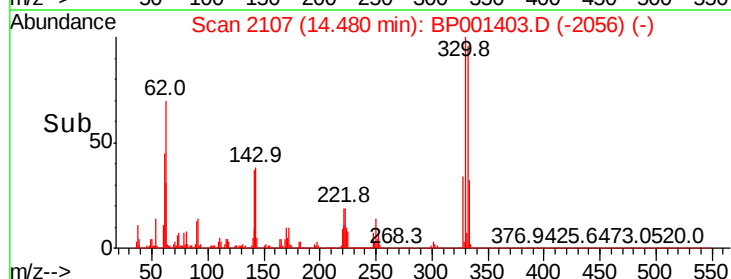
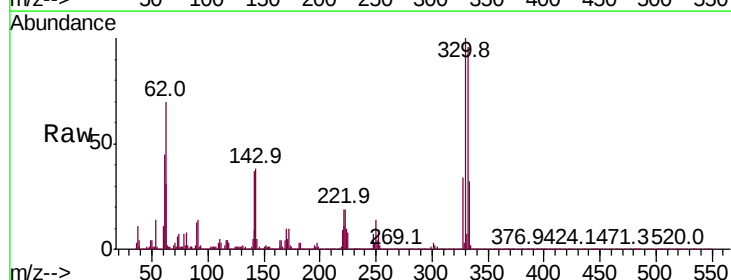
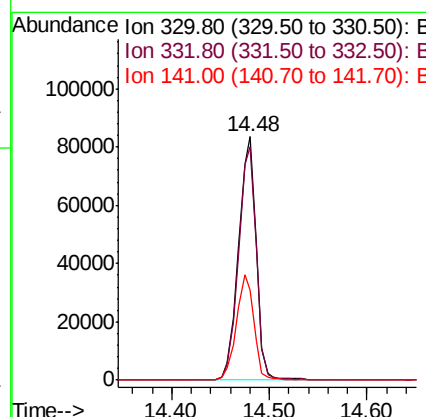
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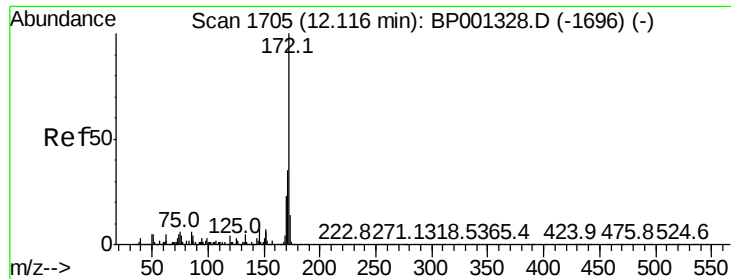
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#42
2,4,6-Tribromophenol
Concen: 81.240 ng
RT: 14.48 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.3	117.5
141	43.3	26.8	40.2





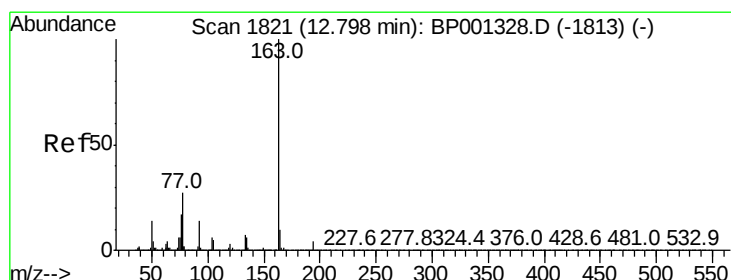
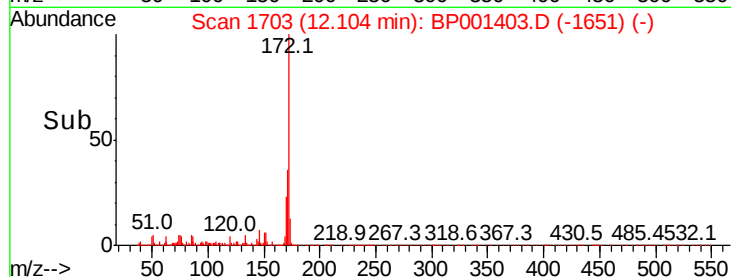
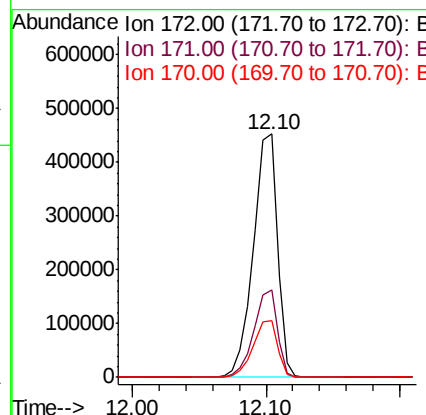
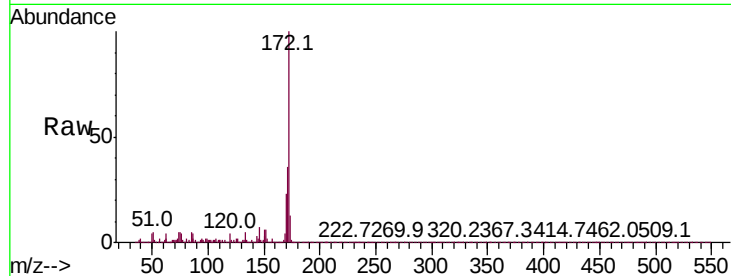
#45
2-Fluorobiphenyl
Concen: 68.702 ng
RT: 12.10 min Scan# 1703
Delta R.T. 0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Instrument :
BNA_P
ClientSampleId :
SOIL-DUPLICATE

Tot Ion	Ratio	Resp	Lower	Upper
172	100	560105		
171	35.8		27.4	41.0
170	23.5		18.2	27.4

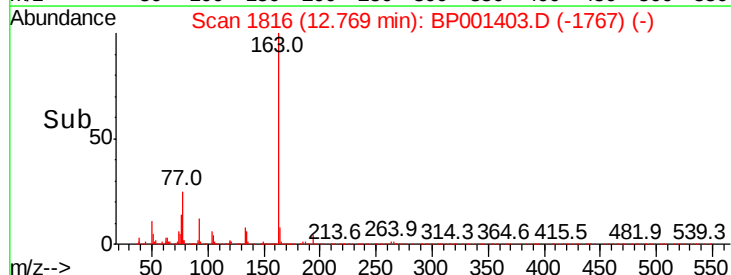
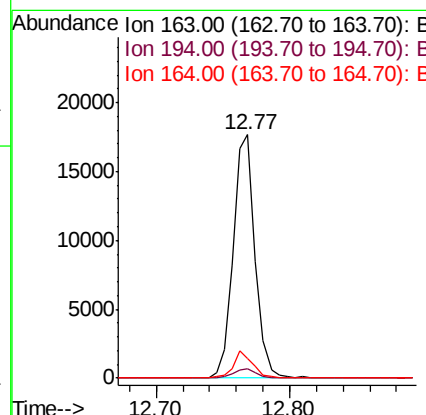
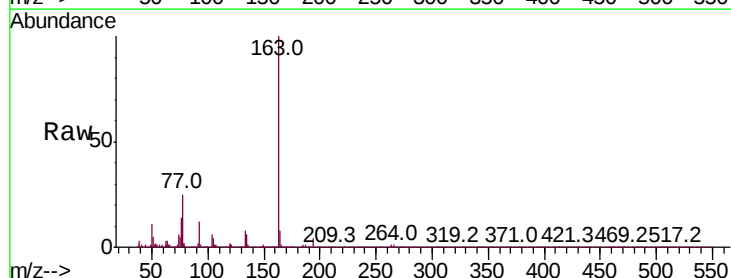
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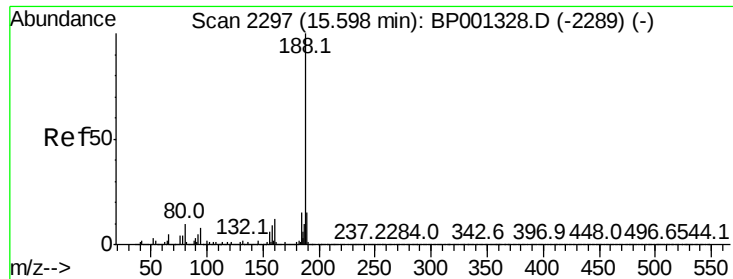
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#50
Dimethylphthalate
Concen: 2.406 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	20351		
194	3.8		3.2	4.8
164	8.3		7.7	11.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.58 min Scan# 2294

Delta R.T. -0.00 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

Instrument :

BNA_P

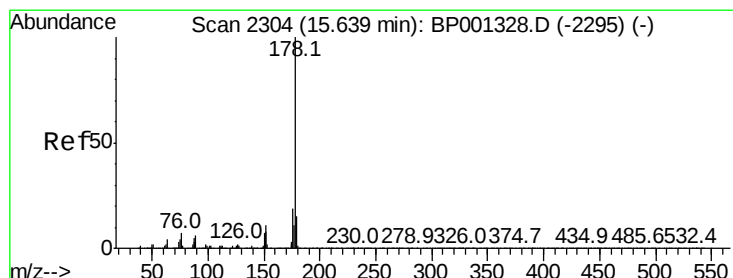
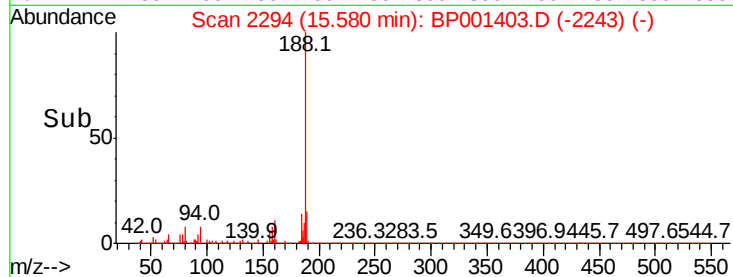
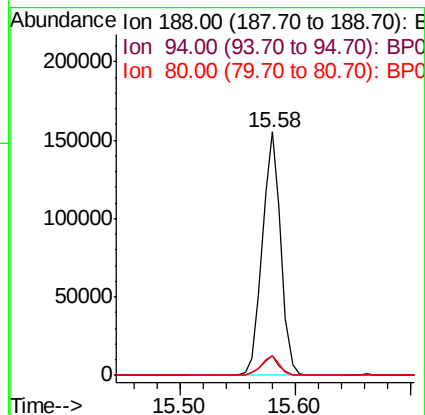
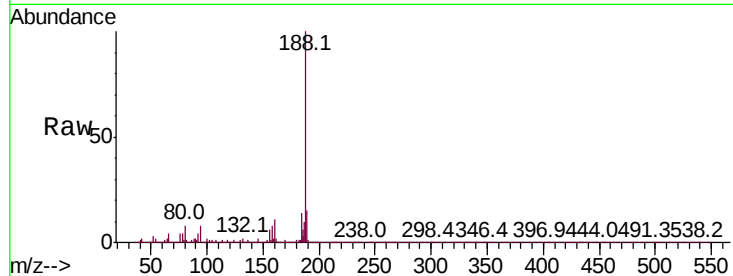
ClientSampleId :

SOIL-DUPLICATE

Tot Ion:188	Resp:	172778
Ion Ratio	Lower	Upper
188 100		
94 8.1	5.8	8.8
80 8.1	5.7	8.5

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#71

Phenanthrene

Concen: 10.028 ng

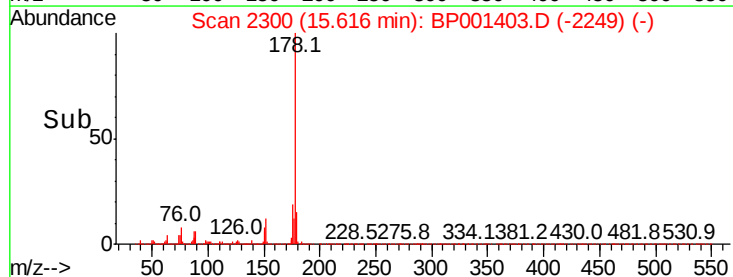
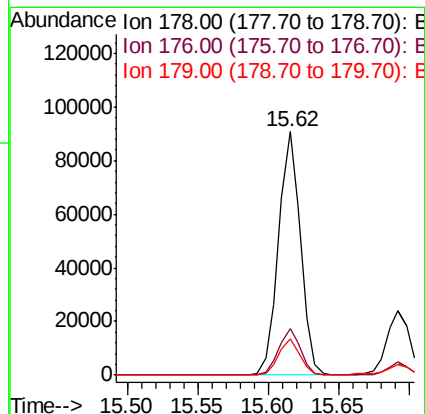
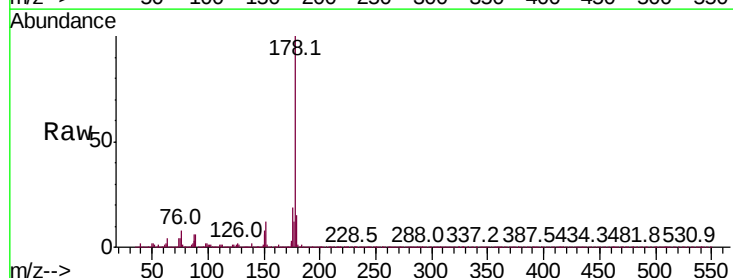
RT: 15.62 min Scan# 2300

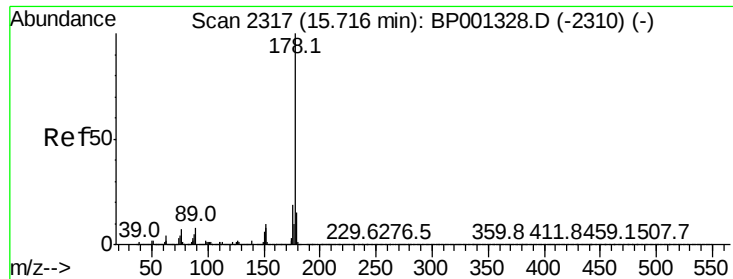
Delta R.T. -0.00 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

Tgt Ion:178	Resp:	98851
Ion Ratio	Lower	Upper
178 100		
176 19.3	15.4	23.0
179 14.9	12.2	18.2





#72

Anthracene

Concen: 2.730 ng

RT: 15.69 min Scan# 2313

Delta R.T. -0.01 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

Instrument :

BNA_P

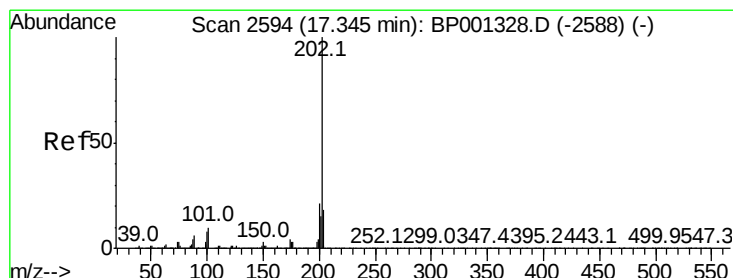
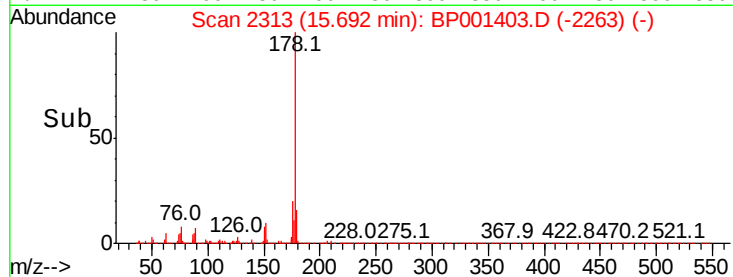
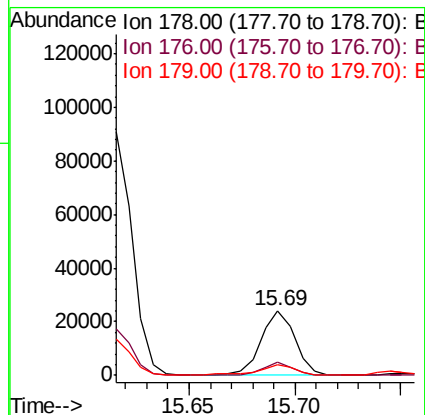
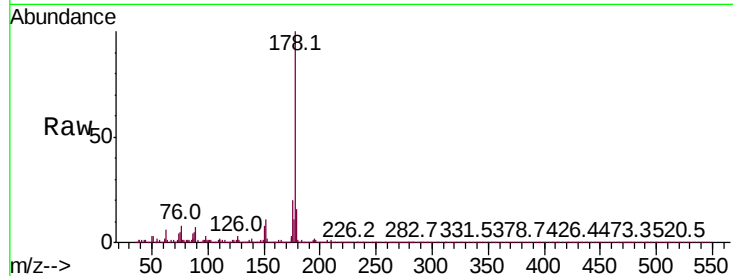
ClientSampleId :

SOIL-DUPLICATE

Tot Ion:	178	Resp:	26637
Ion Ratio	Lower	Upper	
178	100		
176	20.0	14.5	21.7
179	16.2	11.8	17.8

Manual Integrations
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#75

Fluoranthene

Concen: 20.247 ng

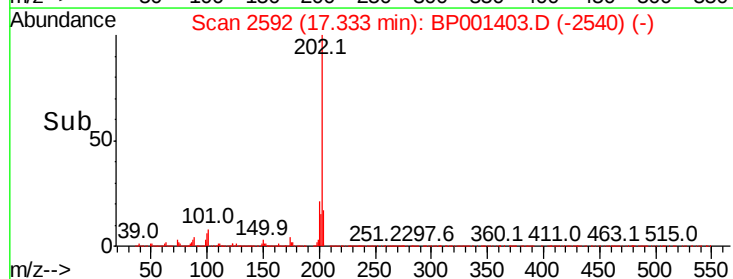
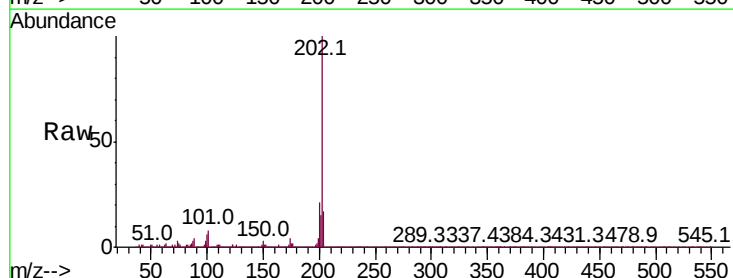
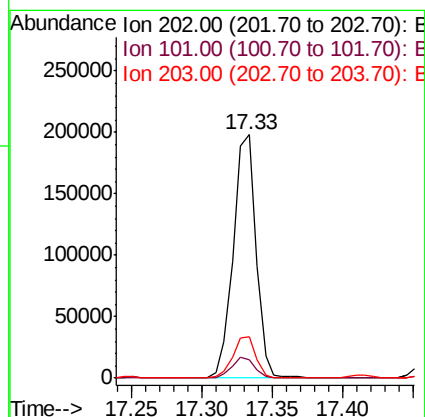
RT: 17.33 min Scan# 2592

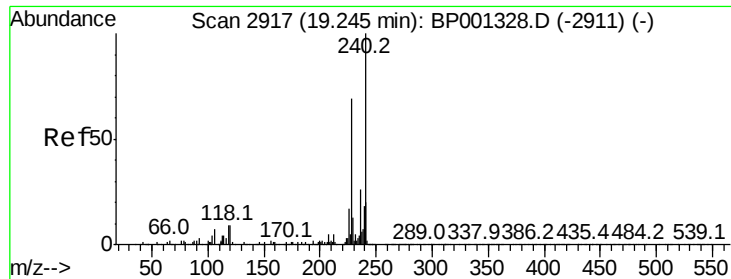
Delta R.T. 0.01 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

Tgt Ion:	202	Resp:	223170
Ion Ratio	Lower	Upper	
202	100		
101	7.7	0.0	28.7
203	17.1	0.0	37.4





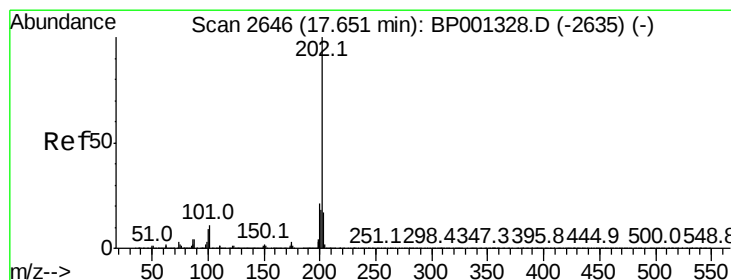
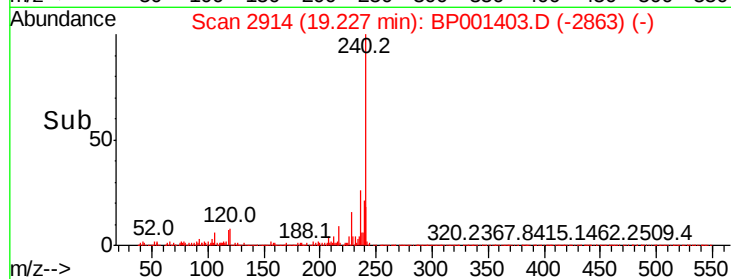
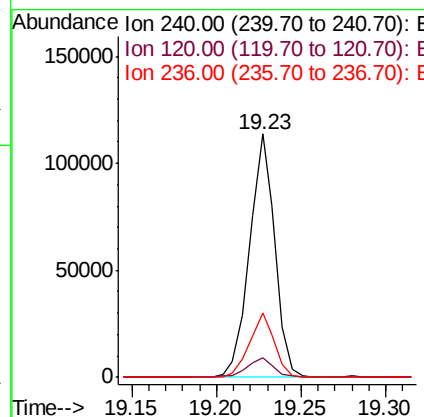
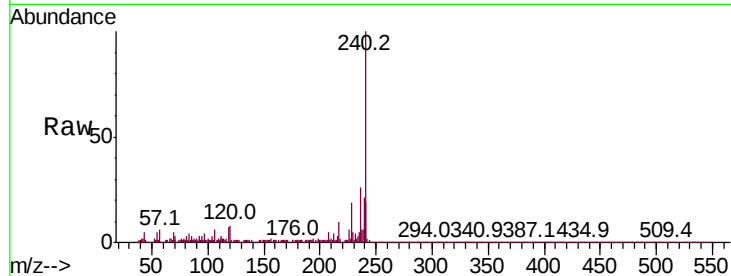
#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.23 min Scan# 2914
Delta R.T. -0.00 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Instrument :
BNA_P
ClientSampleId :
SOIL-DUPLICATE

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.2	9.2
236	26.4	20.2	30.2

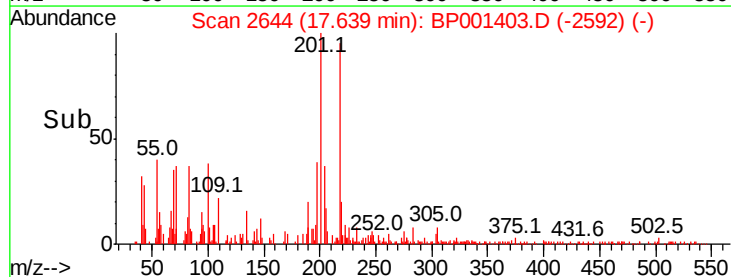
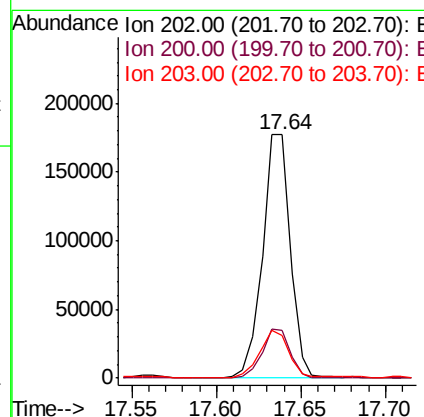
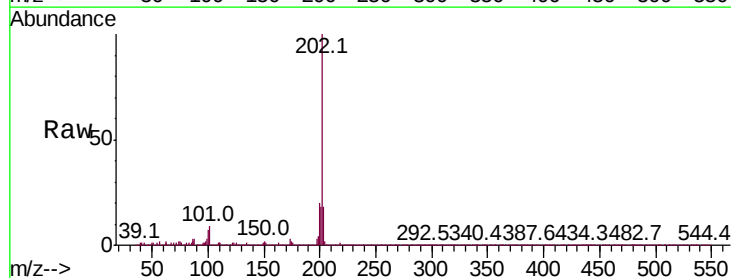
Manual Integrations
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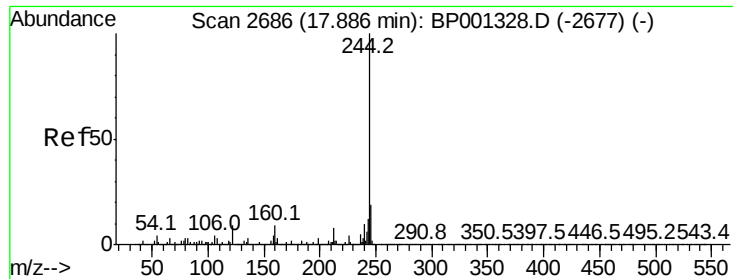
mohammad
12/26/2019 4:01:48 PM



#78
Pyrene
Concen: 22.115 ng
RT: 17.64 min Scan# 2644
Delta R.T. 0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.6	25.0
203	17.7	14.3	21.5





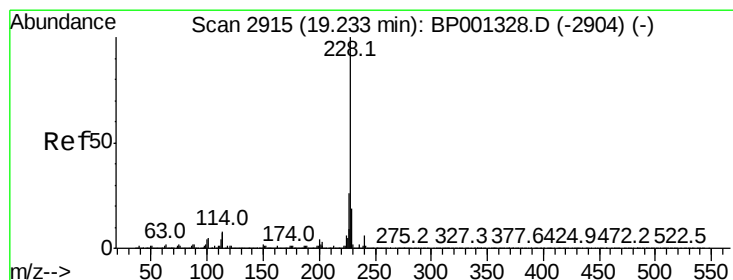
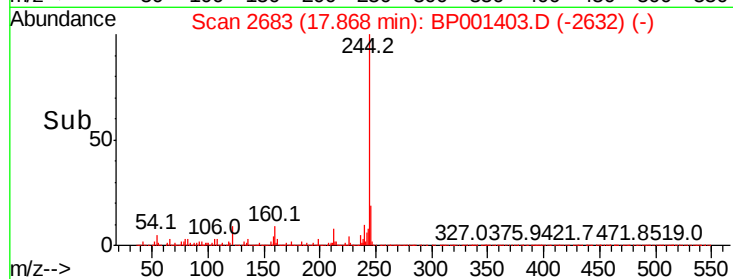
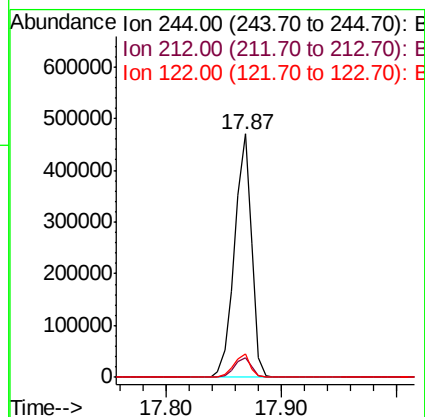
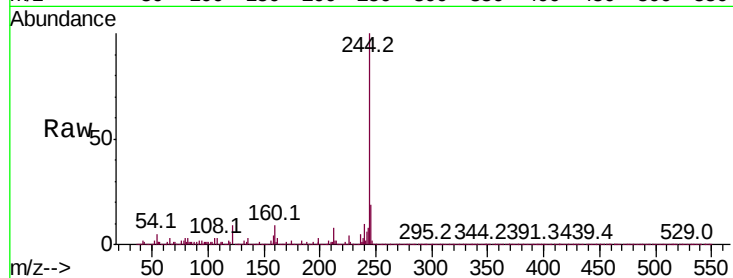
#79
Terphenyl-d14
Concen: 69.504 ng
RT: 17.87 min Scan# 2683
Delta R.T. -0.00 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Instrument :
BNA_P
ClientSampleId :
SOIL-DUPLICATE

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	8.3	5.8	8.8
122	9.4	6.4	9.6

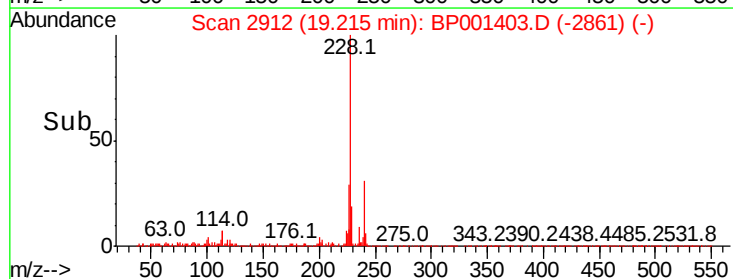
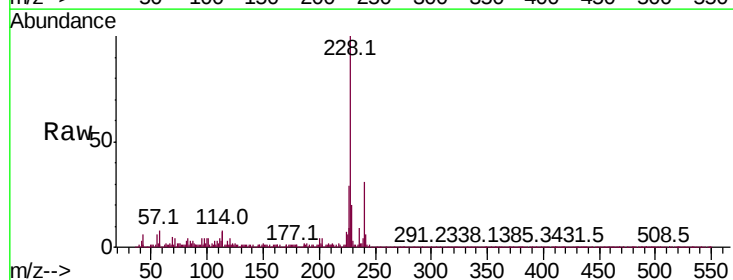
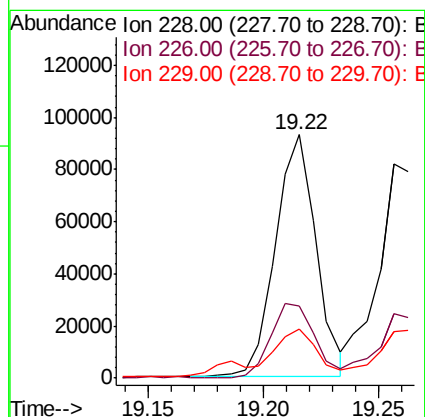
Manual Integrations
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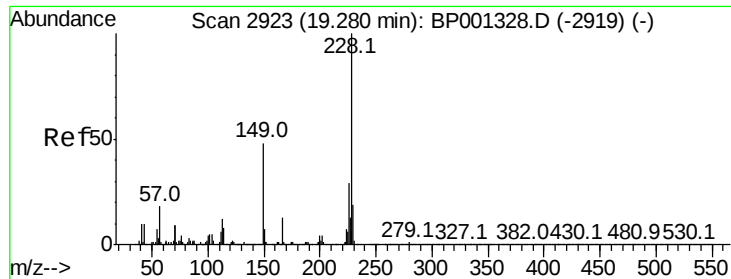
mohammad
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#81
Benzo(a)anthracene
Concen: 13.148 ng
RT: 19.22 min Scan# 2912
Delta R.T. -0.00 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.5	21.4	32.2
229	20.2	15.7	23.5





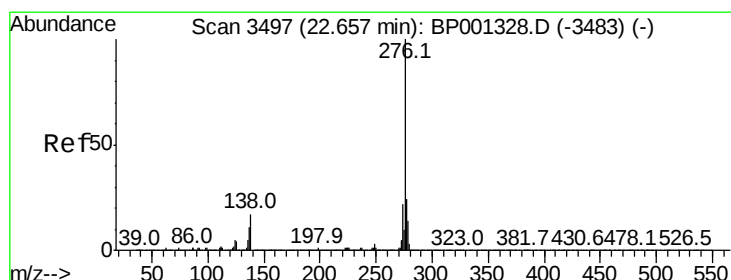
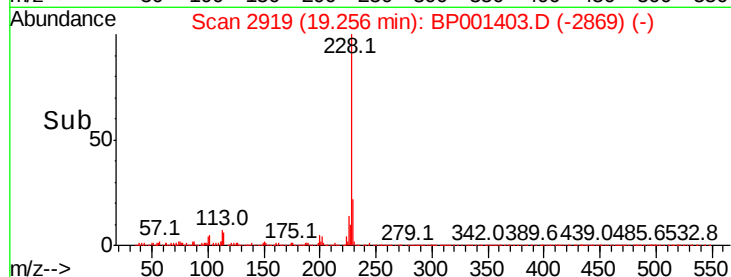
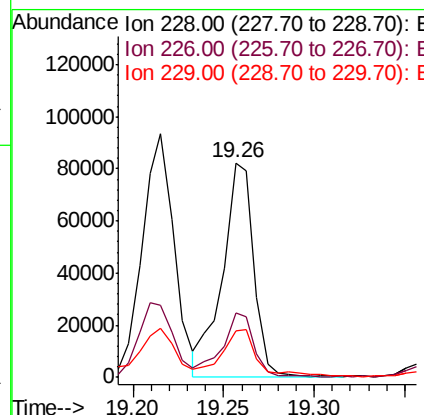
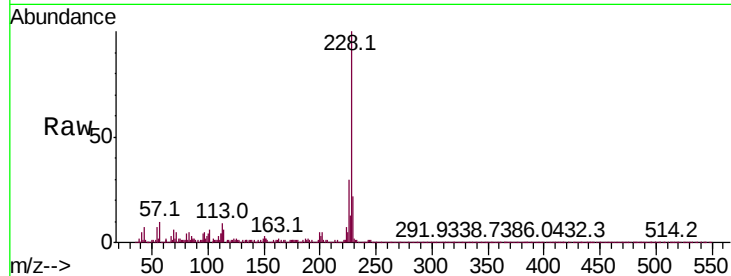
#83
Chrysene
Concen: 11.860 ng
RT: 19.26 min Scan# 2919
Delta R.T. -0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Instrument :
BNA_P
ClientSampleId :
SOIL-DUPLICATE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.2
229	21.9	15.5	23.3

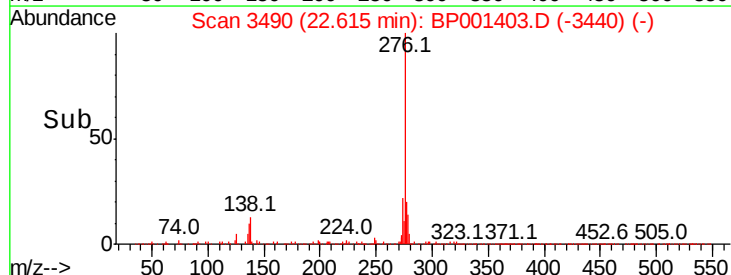
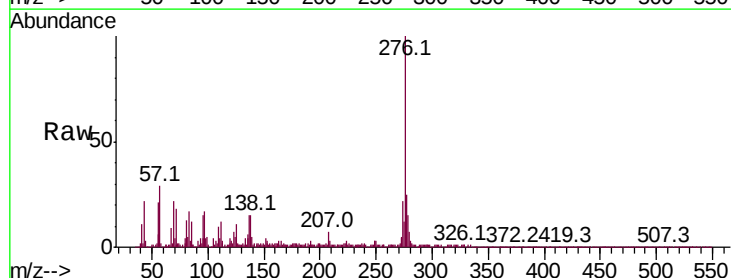
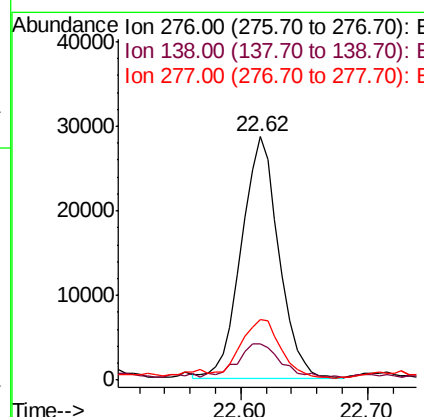
Manual Integrations
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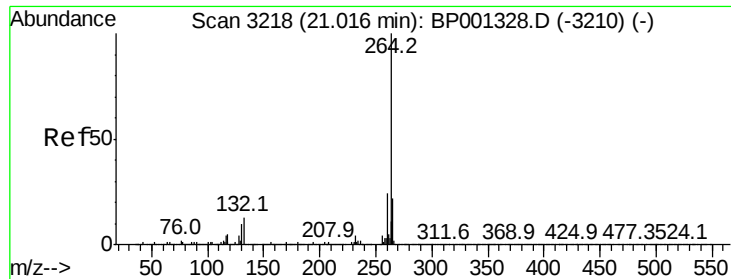
mohammad
12/26/2019 4:01:48 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.495 ng
RT: 22.62 min Scan# 3490
Delta R.T. -0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.5	12.8	19.2
277	26.1	19.9	29.9





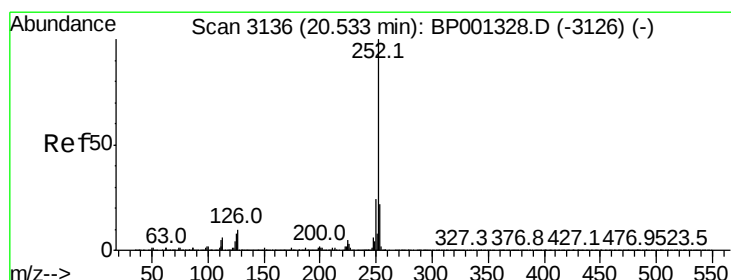
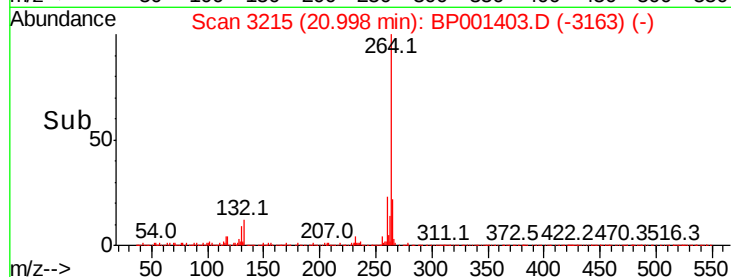
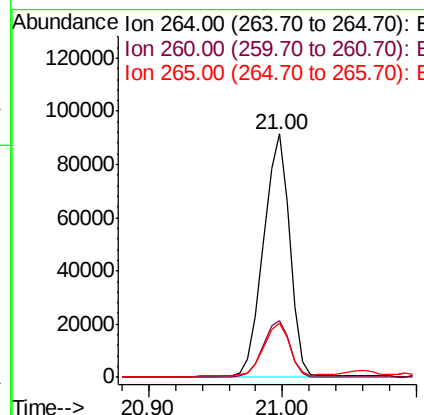
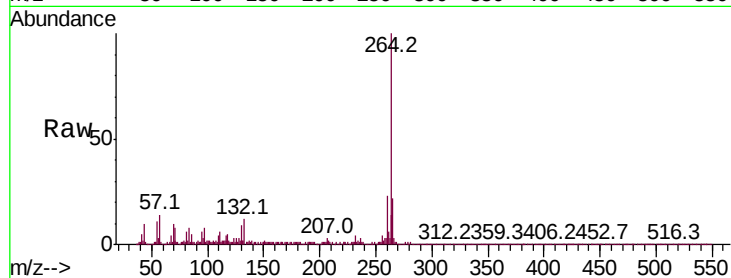
#87
Pervlene-d12
Concen: 20.000 ng
RT: 21.00 min Scan# 3215
Delta R.T. 0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Instrument :
BNA_P
ClientSampleId :
SOIL-DUPLICATE

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.1	19.0	28.4	
265	22.2	17.0	25.4	

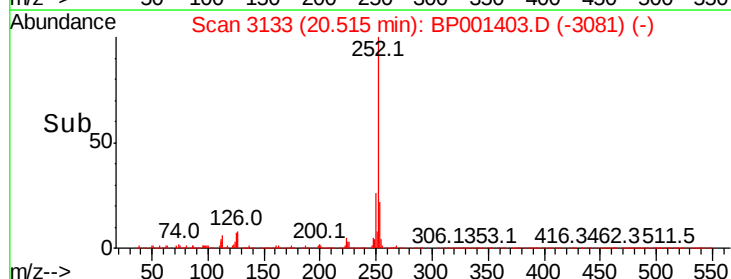
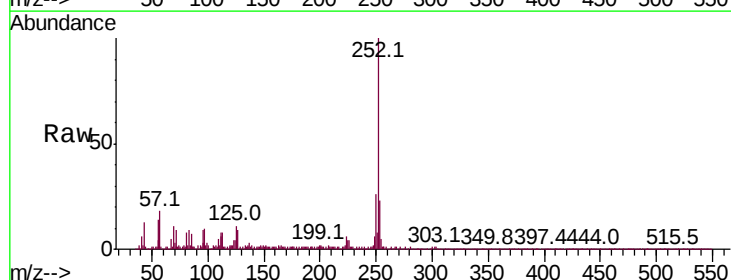
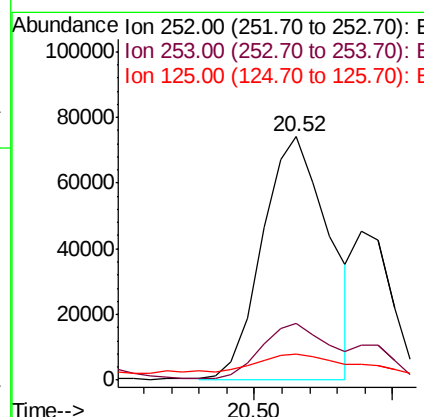
Manual Integrations
APPROVED

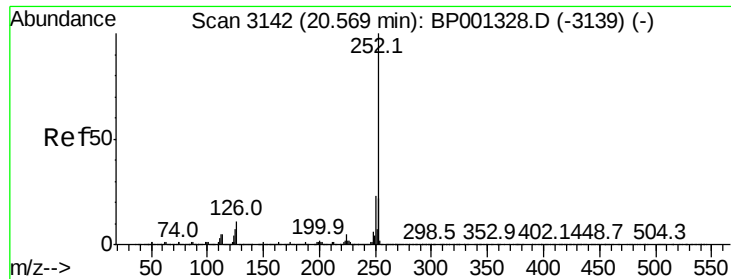
mohammad
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#88
Benzo(b)fluoranthene
Concen: 15.328 ng m
RT: 20.52 min Scan# 3133
Delta R.T. 0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.4	17.5	26.3	
125	10.6	5.6	8.4	





#89

Benzo(k)fluoranthene

Concen: 5.411 ng m

RT: 20.54 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

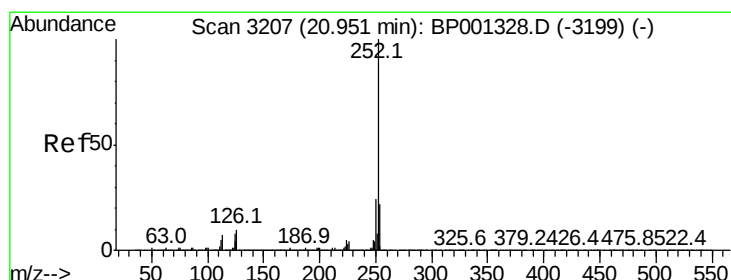
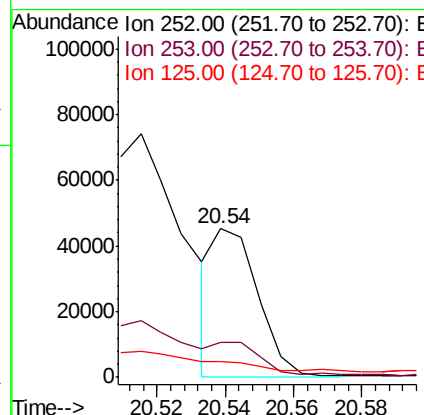
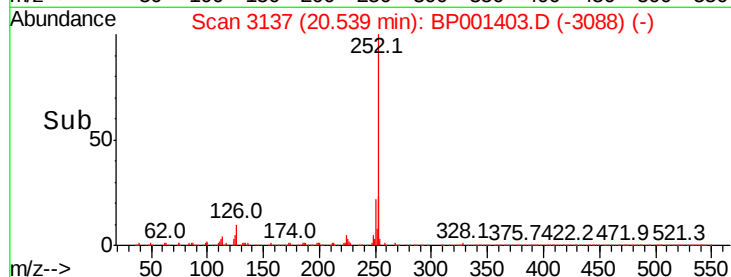
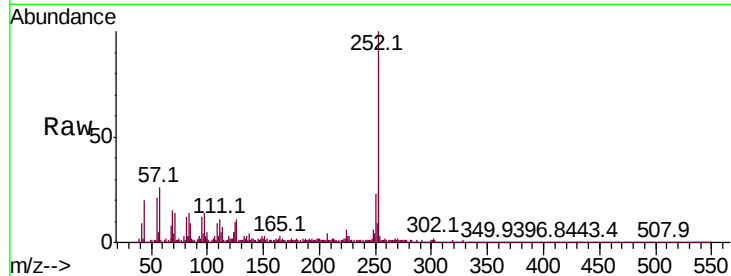
Instrument :
BNA_P

ClientSampleId :
SOIL-DUPLICATE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	10.4	4.5	6.7

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 12.838 ng

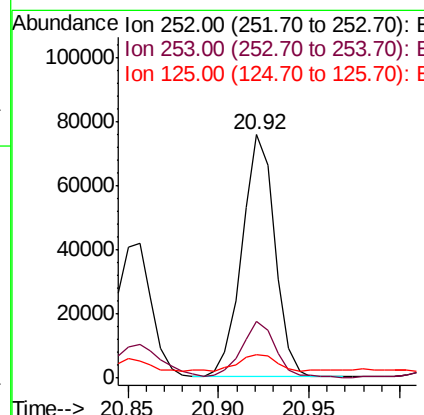
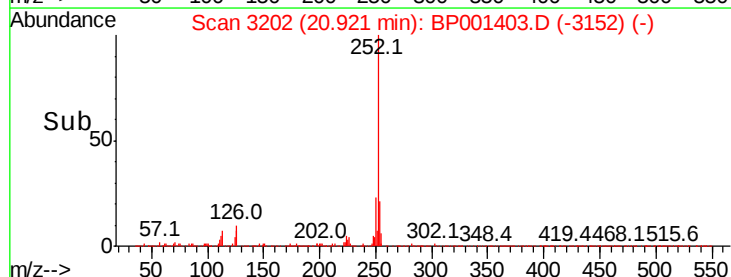
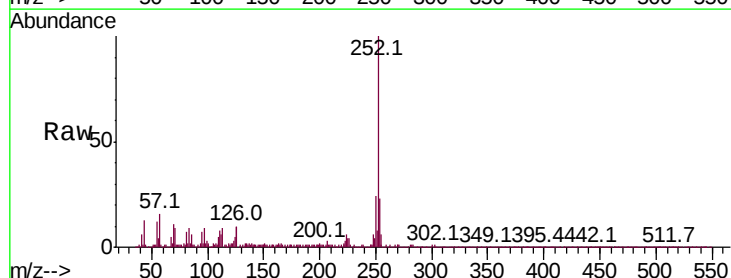
RT: 20.92 min Scan# 3202

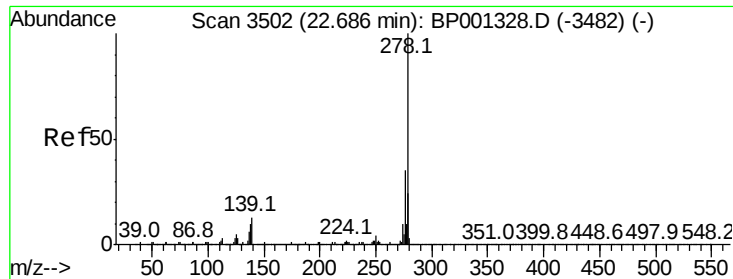
Delta R.T. -0.01 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	9.7	5.2	7.8





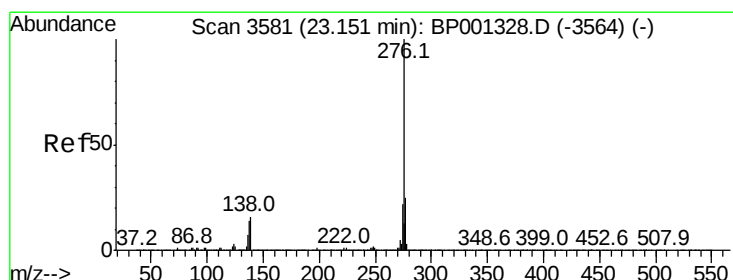
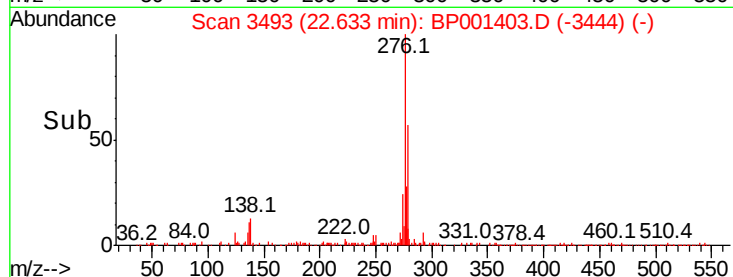
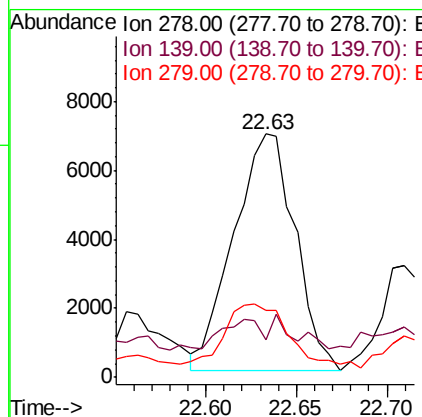
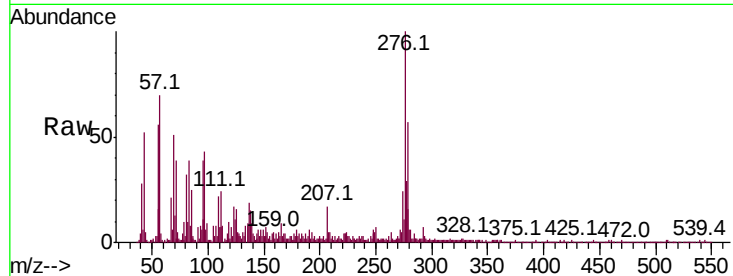
#91
Dibenzo(a,h)anthracene
Concen: 2.223 ng
RT: 22.63 min Scan# 3493
Delta R.T. -0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Instrument :
BNA_P
ClientSampleId :
SOIL-DUPLICATE

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.6	8.3	12.5#
279	27.4	19.1	28.7

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 7.391 ng
RT: 23.10 min Scan# 3572
Delta R.T. -0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.6	27.8
138	17.1	10.5	15.7#

