

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091919\
 Data File : BP000329.D
 Acq On : 19 Sep 2019 14:53
 Operator : HP/JU
 Sample : K4955-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ROLL-OFF-SOIL

Manual Integrations
 APPROVED

mohammad
 9/20/2019 1:08:42 PM

Quant Time: Sep 20 05:09:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	229126	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	829301	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	465159	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	860420	20.00	ng	0.00
76) Chrysene-d12	13.99	240	714564	20.00	ng	0.00
87) Perylene-d12	15.48	264	810558	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1271622	95.81	ng	0.01
7) Phenol-d6	6.43	99	1601928	98.46	ng	0.00
23) Nitrobenzene-d5	7.35	82	855639	66.57	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	468480	101.54	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1926817	74.55	ng	0.00
79) Terphenyl-d14	12.93	244	2281656	66.99	ng	0.00
Target Compounds						
10) Phenol	6.44	94	100401	5.432	ng	98
50) Dimethylphthalate	9.55	163	275976	8.708	ng	98
71) Phenanthrene	11.35	178	281103	6.519	ng	99
75) Fluoranthene	12.55	202	244955	5.291	ng	96
78) Pyrene	12.78	202	224315	4.196	ng	98
81) Benzo(a)anthracene	13.98	228	124143	2.750	ng	99
83) Chrysene	14.02	228	94761m	2.138	ng	
88) Benzo(b)fluoranthene	15.05	252	107861m	2.231	ng	

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

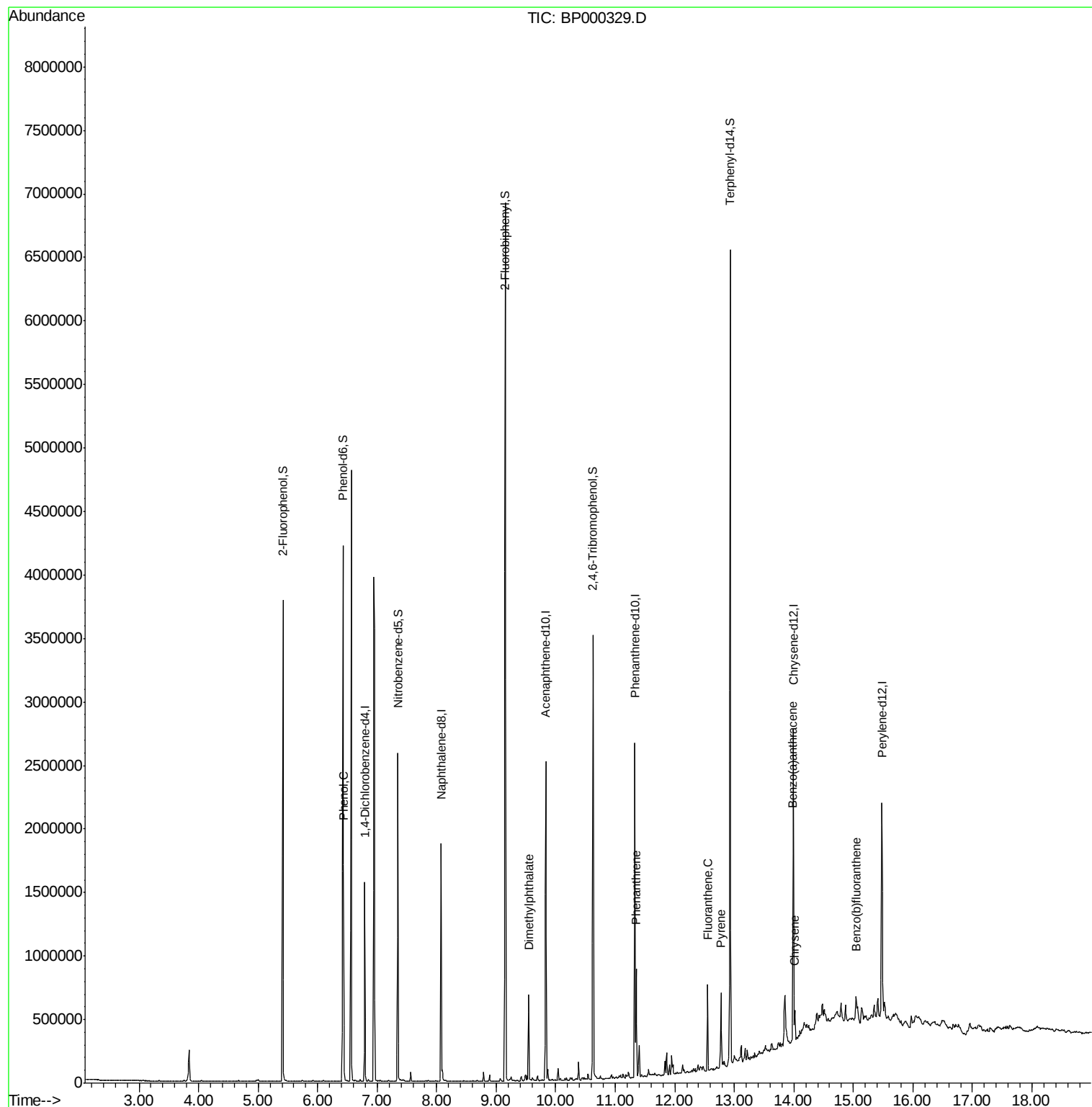
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091919\
Data File : BP000329.D
Acq On : 19 Sep 2019 14:53
Operator : HP/JU
Sample : K4955-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

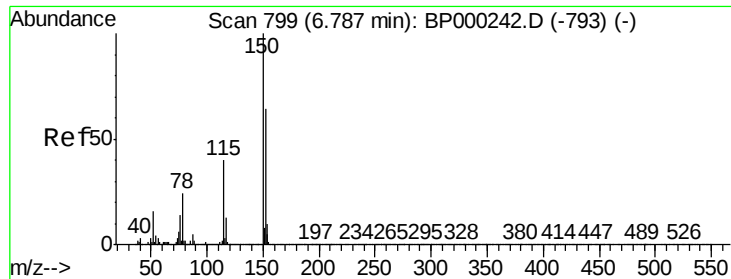
Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-SOIL

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#1

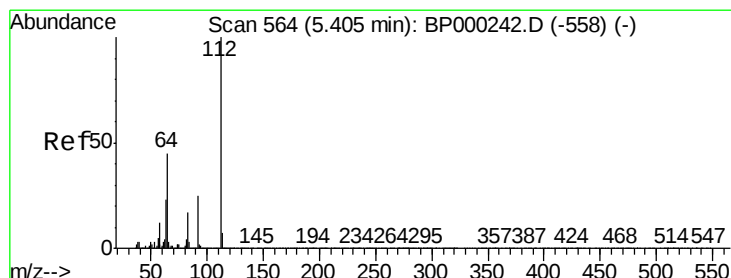
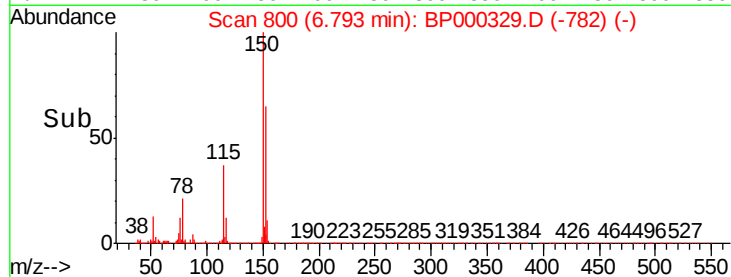
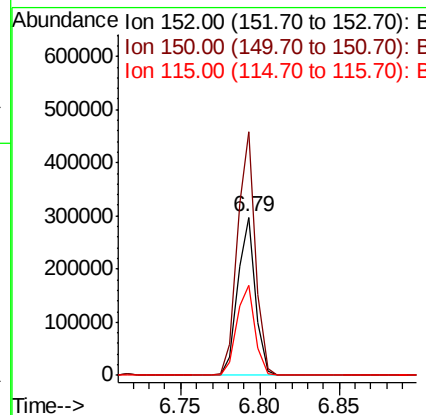
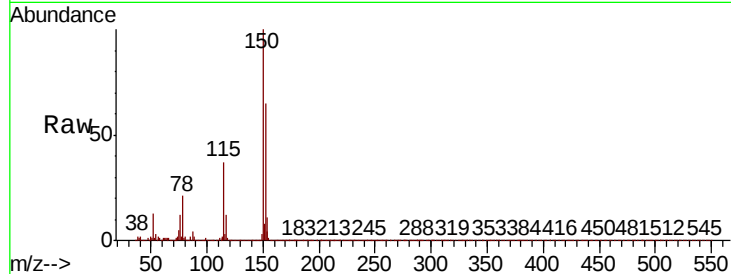
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.2	187.8
115	56.5	49.7	74.5

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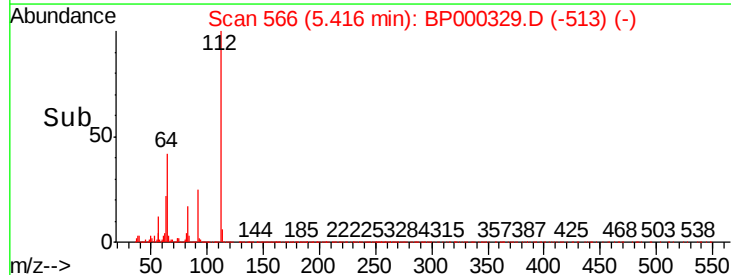
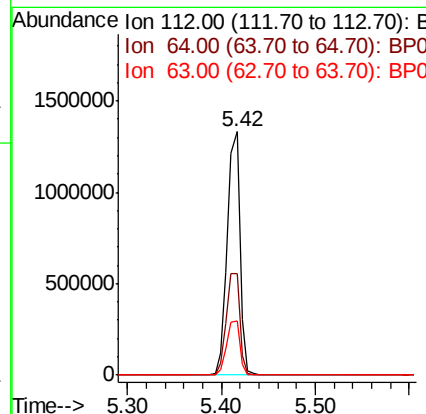
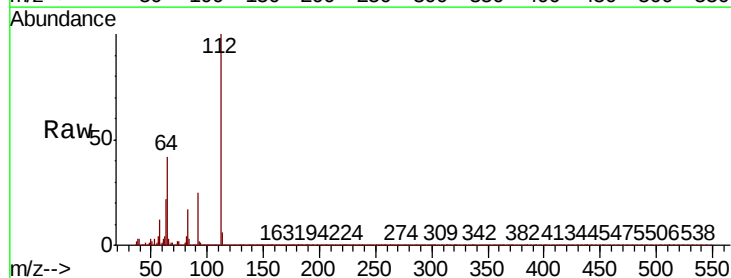
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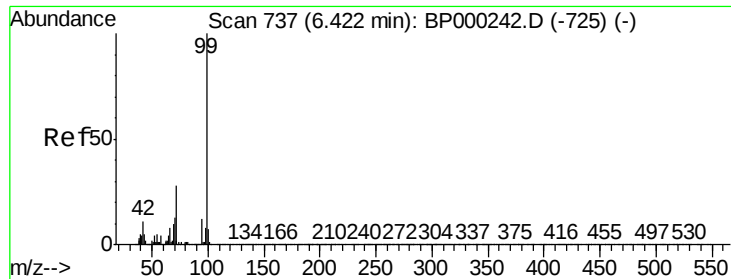


#5

2-Fluorophenol
Concen: 95.810 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.7	36.2	54.4
63	22.1	18.3	27.5





#7

Phenol-d6

Concen: 98.465 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

Instrument :

BNA_P

ClientSampleId :

ROLL-OFF-SOIL

Tot Ion: 99 Resp: 1601928

Ion Ratio Lower Upper

99 100

42 11.4 8.5 12.7

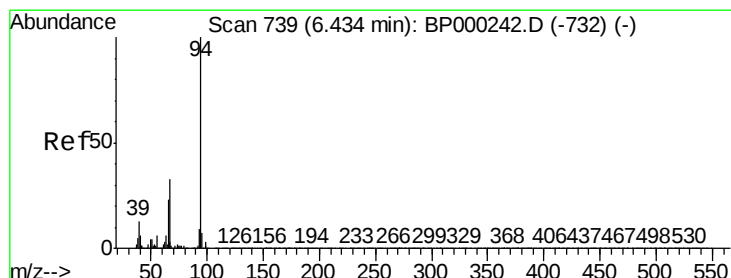
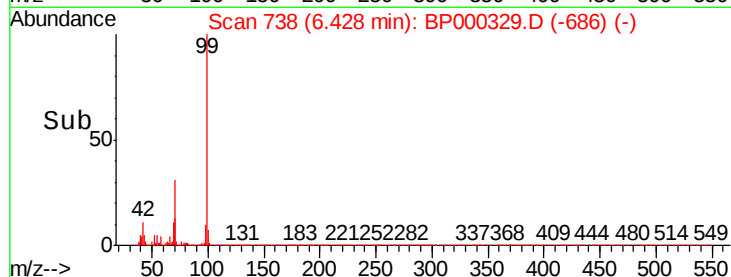
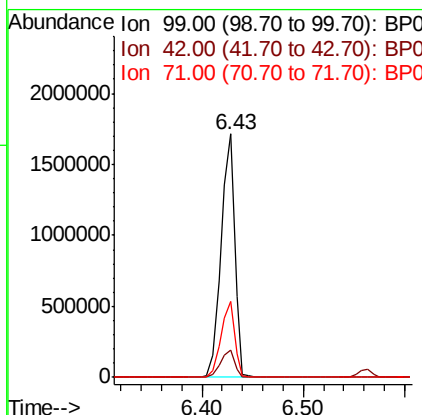
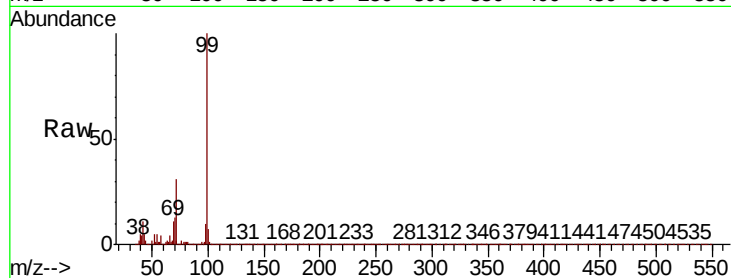
71 31.3 22.6 34.0

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#10

Phenol

Concen: 5.432 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

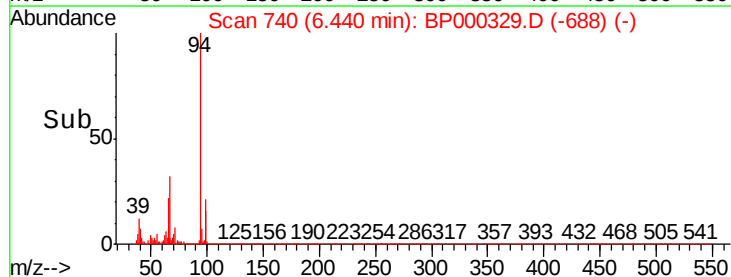
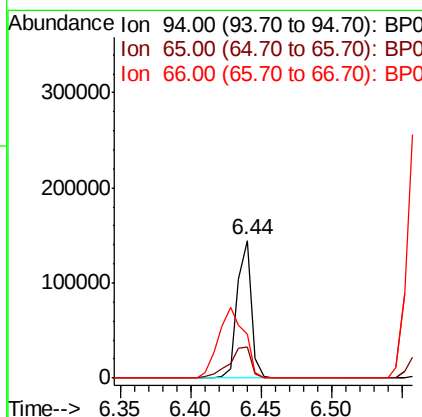
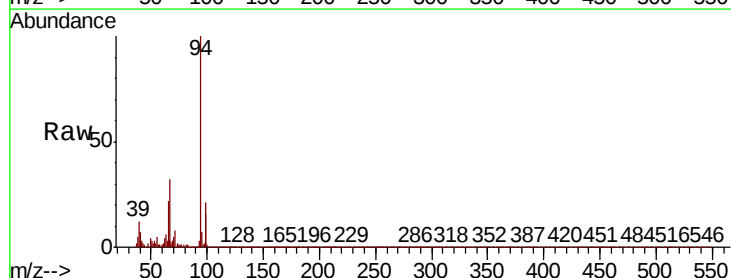
Tgt Ion: 94 Resp: 100401

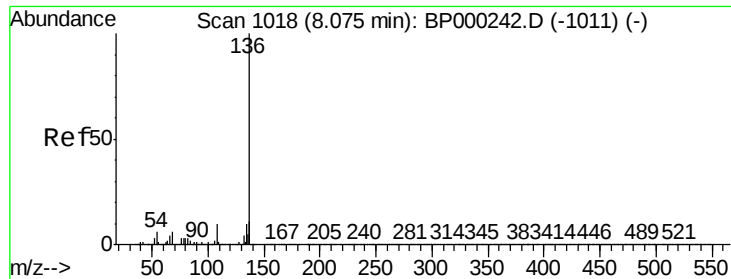
Ion Ratio Lower Upper

94 100

65 22.3 3.3 43.3

66 31.7 12.7 52.7





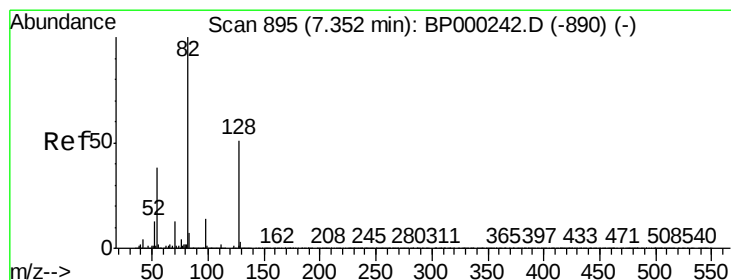
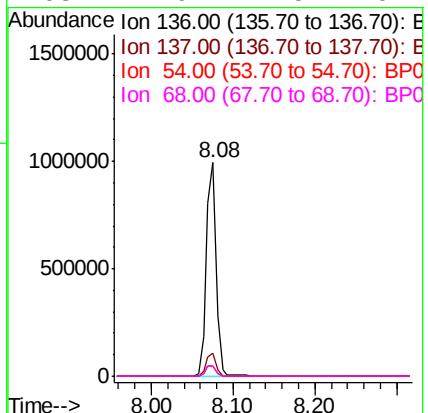
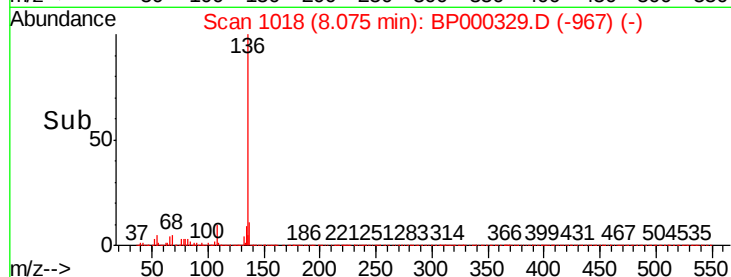
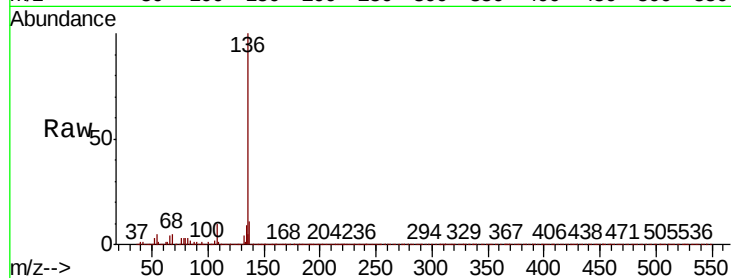
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
136	100	829301		
137	10.8		8.6	13.0
54	5.0		4.5	6.7
68	4.9		4.5	6.7

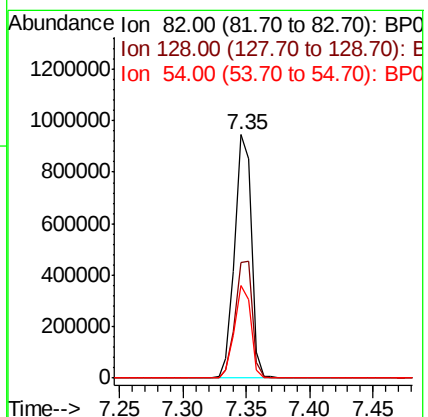
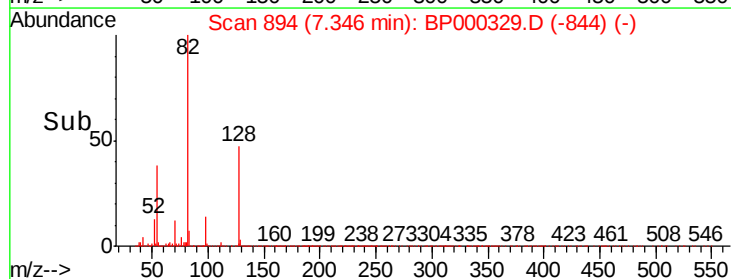
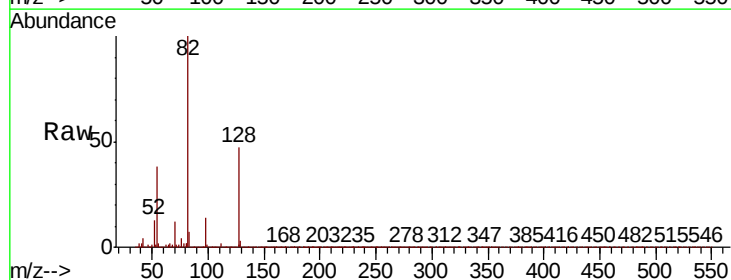
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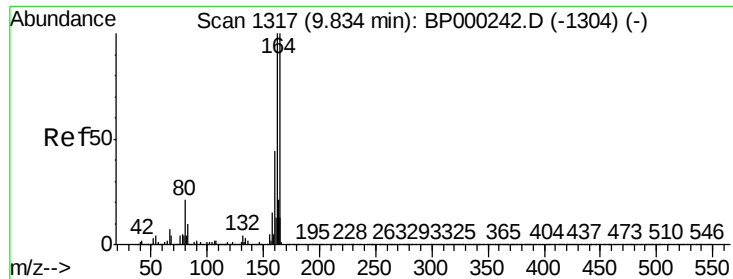
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#23
Nitrobenzene-d5
Concen: 66.569 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	855639		
128	47.5		40.7	61.1
54	38.1		30.1	45.1





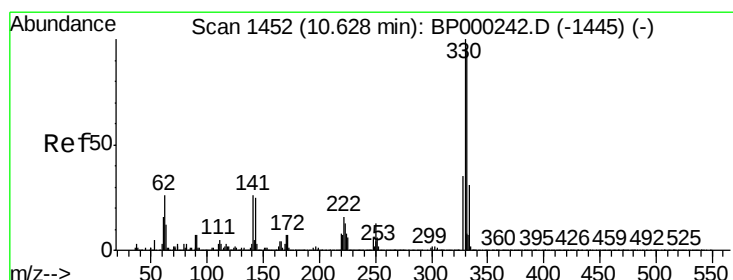
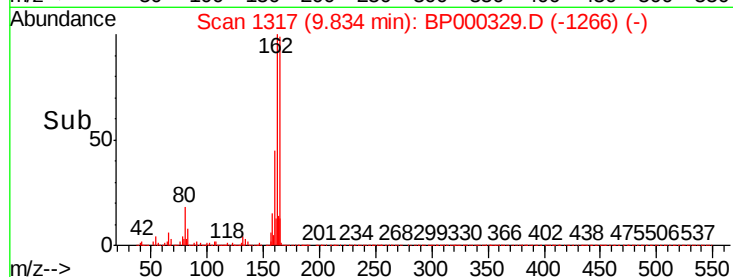
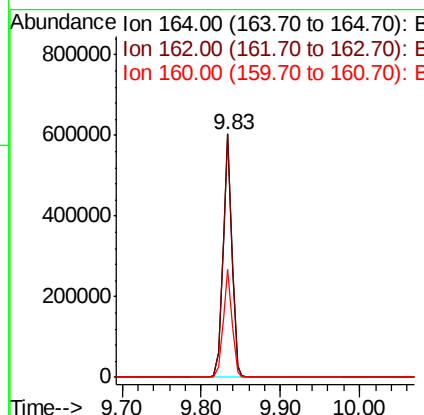
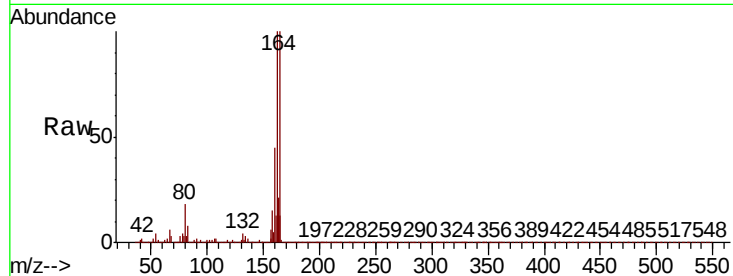
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-SOIL

Tot Ion:	164	Resp:	465159
Ion Ratio	Lower	Upper	
164	100		
162	99.6	79.9	119.9
160	44.5	35.6	53.4

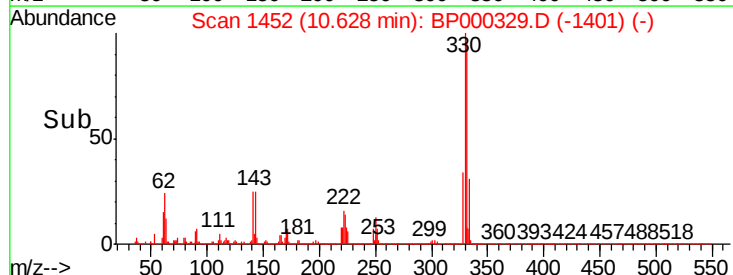
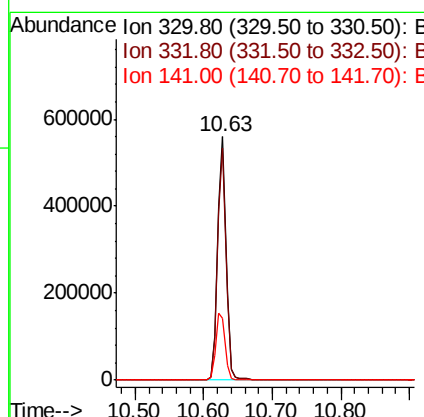
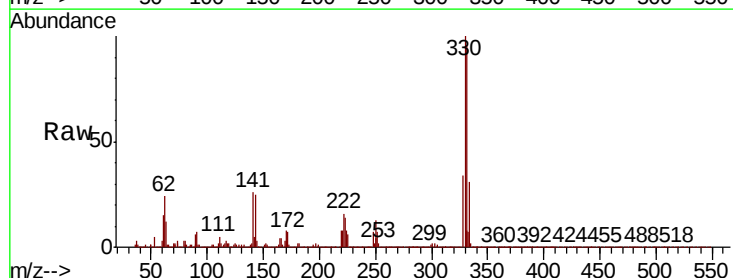
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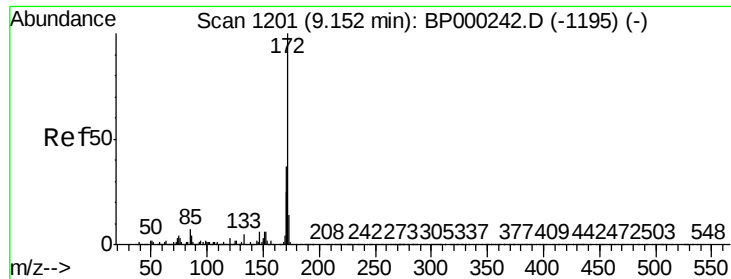
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#42
2,4,6-Tribromophenol
Concen: 101.540 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Tgt Ion:	330	Resp:	468480
Ion Ratio	Lower	Upper	
330	100		
332	96.0	76.6	115.0
141	30.5	26.5	39.7





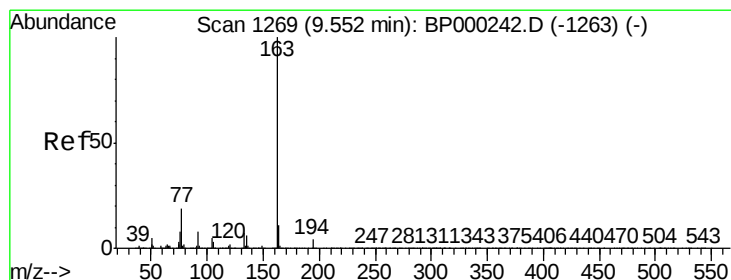
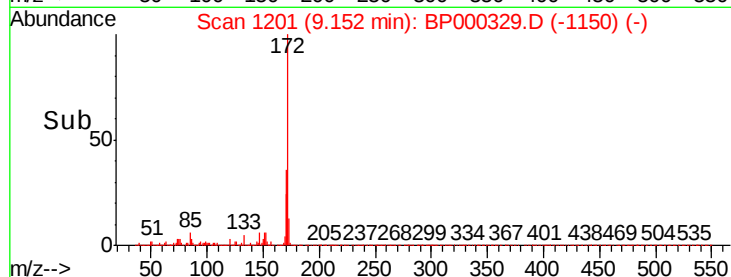
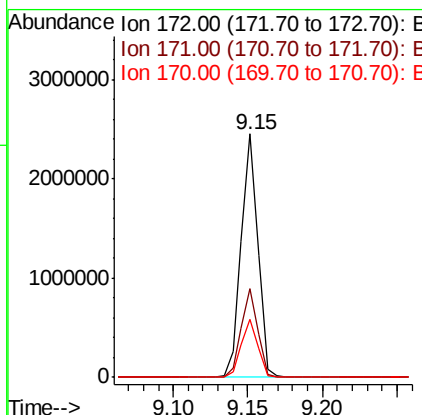
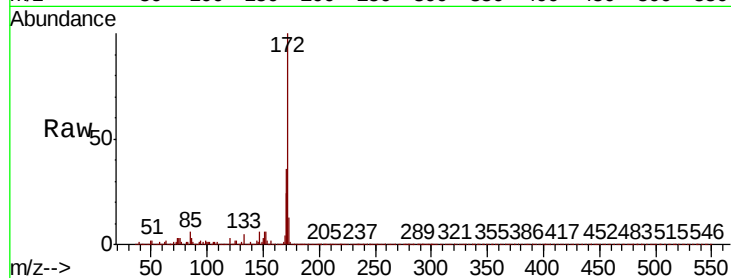
#45
2-Fluorobiphenyl
Concen: 74.553 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-SOIL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.8	44.6
170	24.0	19.8	29.6

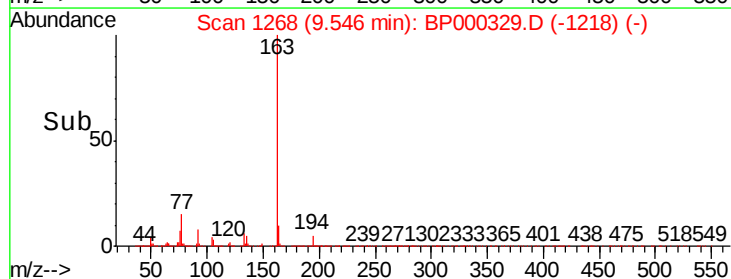
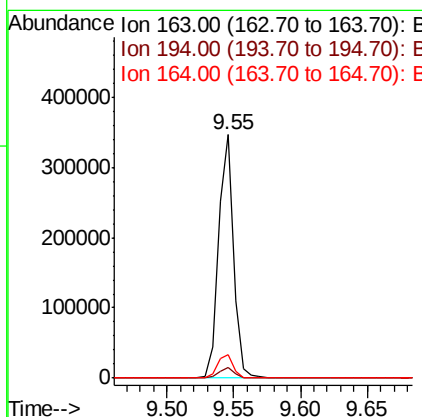
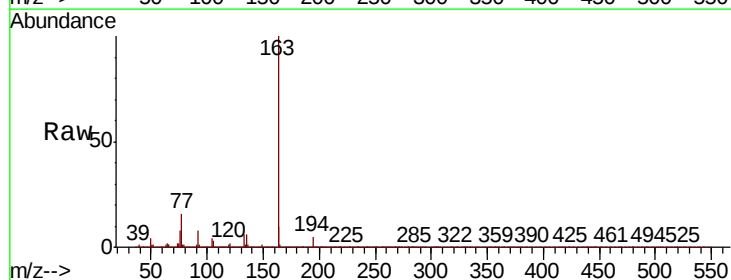
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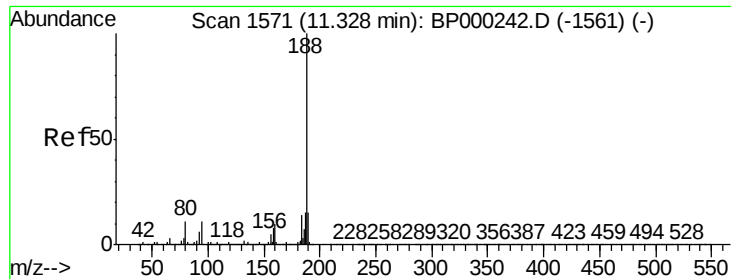
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#50
Dimethylphthalate
Concen: 8.708 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	9.6	8.5	12.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

Instrument :

BNA_P

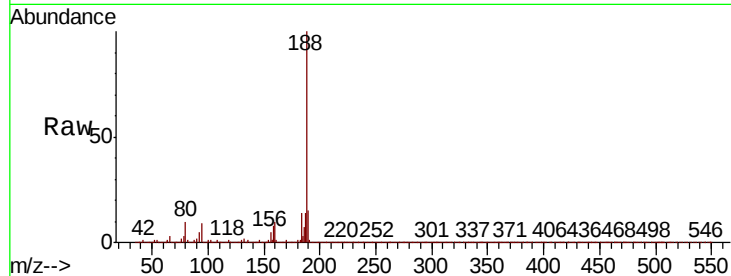
ClientSampleId :

ROLL-OFF-SOIL

Tot Ion:	188	Resp:	860420
Ion Ratio	Lower	Upper	
188	100		
94	9.1	8.5	12.7
80	9.6	8.6	13.0

Manual Integrations
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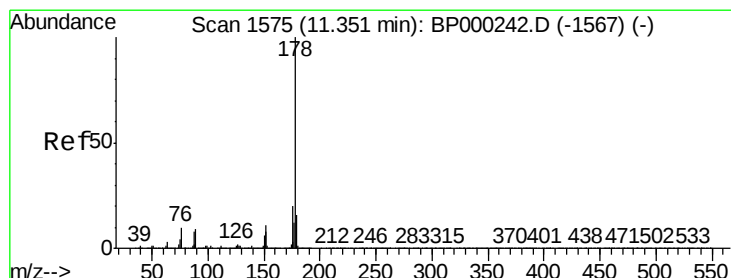
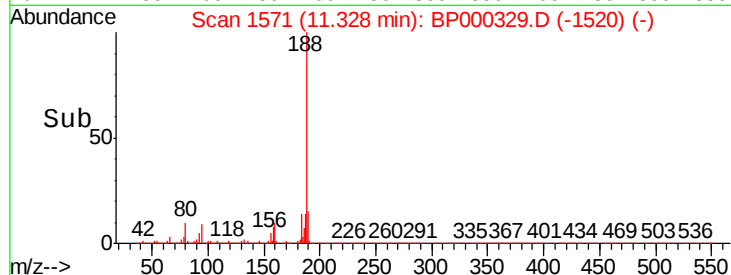
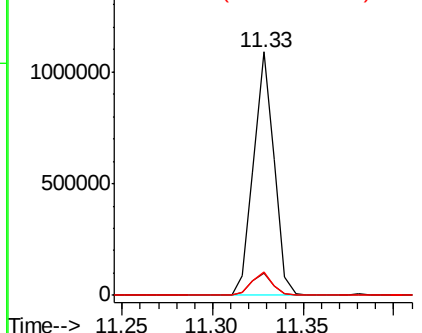
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 6.519 ng

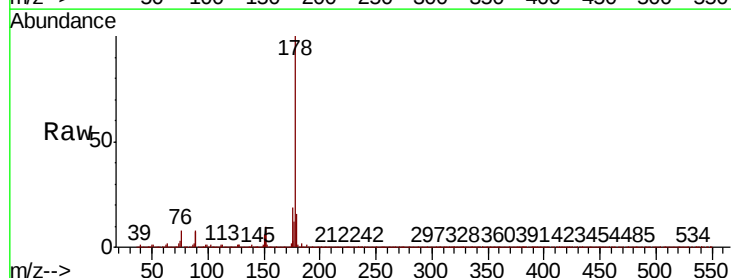
RT: 11.35 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

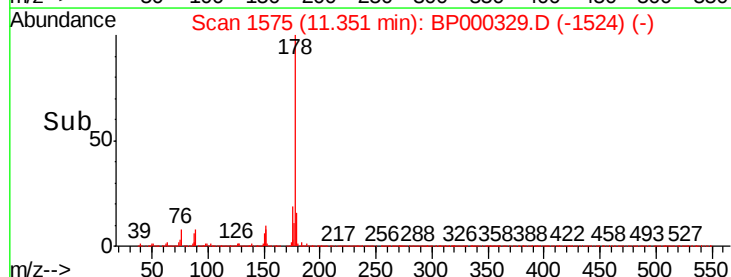
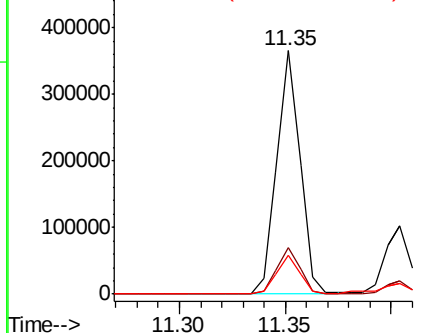
Tgt Ion:	178	Resp:	281103
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.8	23.8
179	15.9	12.7	19.1

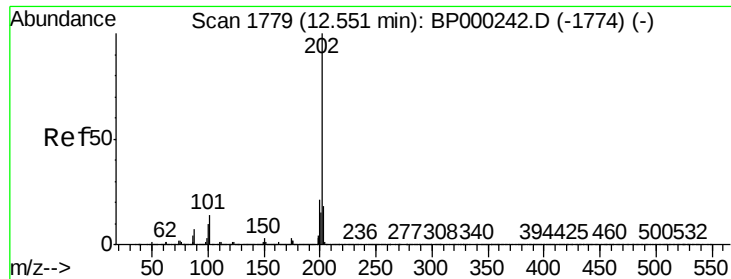


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.291 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

Instrument :

BNA_P

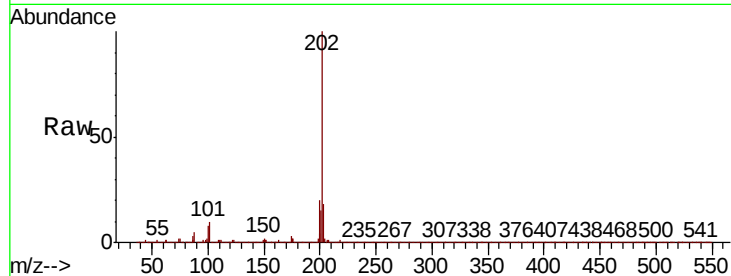
ClientSampleId :

ROLL-OFF-SOIL

Tot Ion:	202	Resp:	244955
Ion Ratio		Lower	Upper
202	100		
101	10.3	0.0	33.9
203	17.8	0.0	38.0

Manual Integrations
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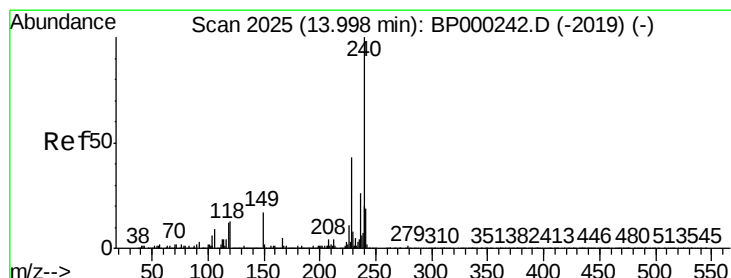
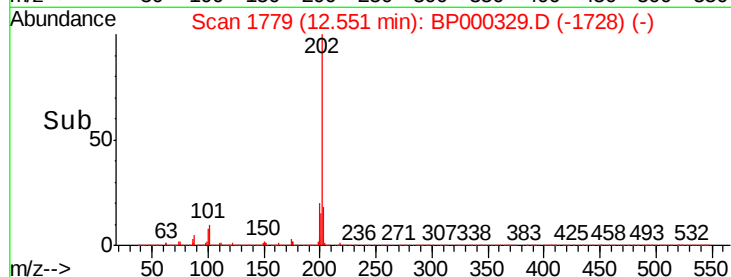
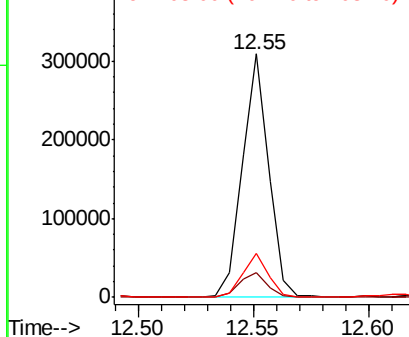


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

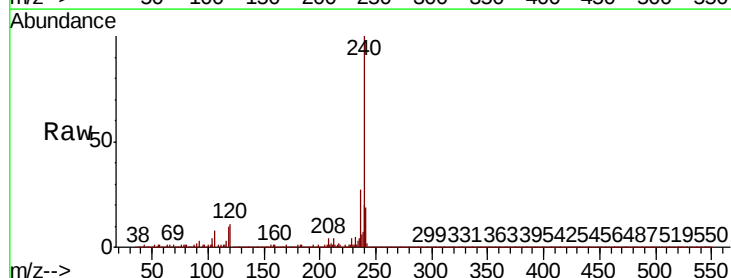
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

Tgt Ion:	240	Resp:	714564
Ion Ratio		Lower	Upper
240	100		
120	10.9	10.4	15.6
236	26.6	21.0	31.6

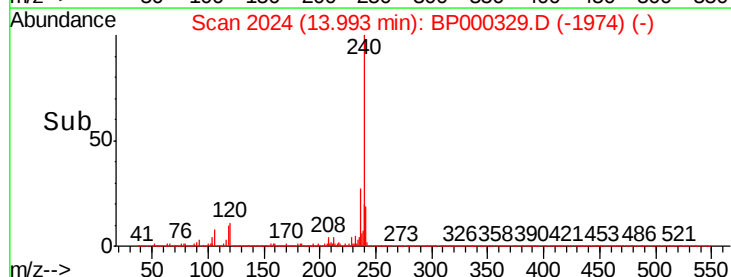
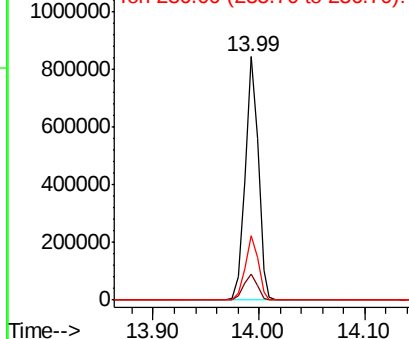


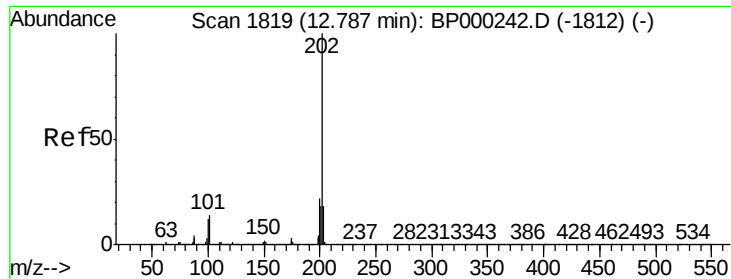
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





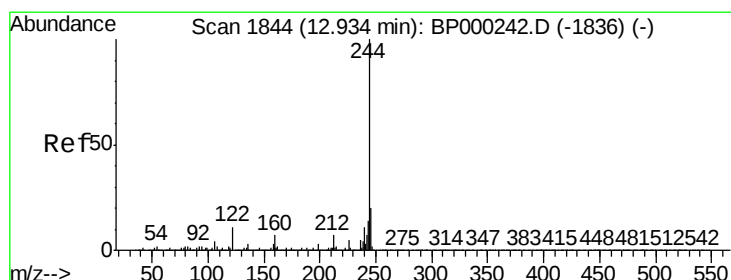
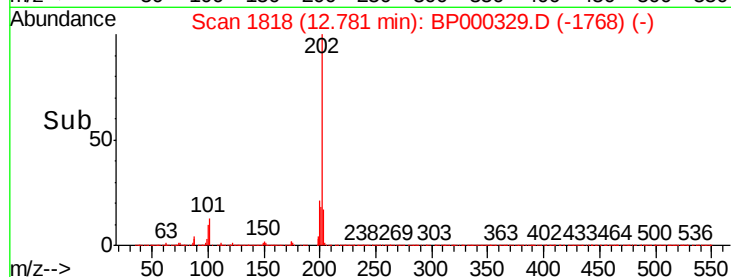
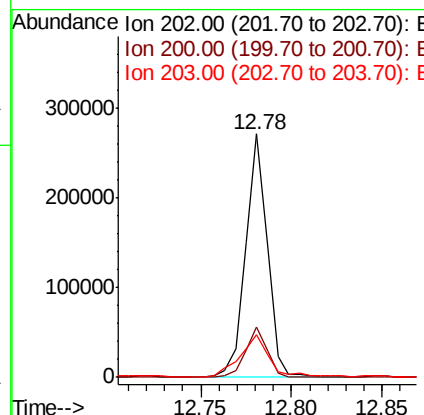
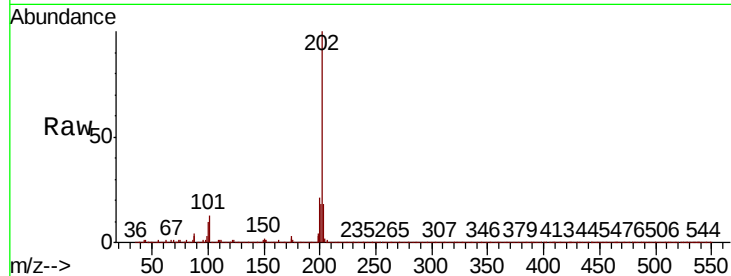
#78
Pvrene
Concen: 4.196 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-SOIL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.5	26.3
203	17.5	14.3	21.5

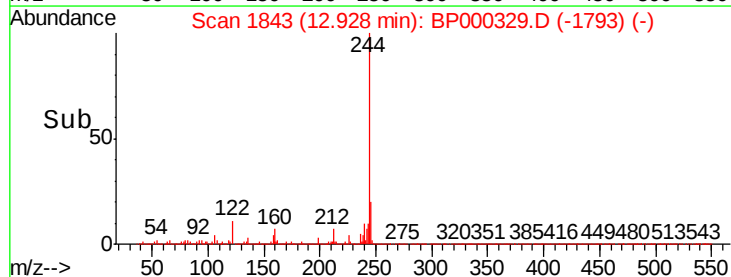
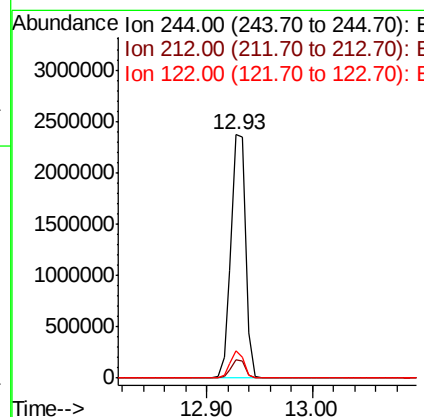
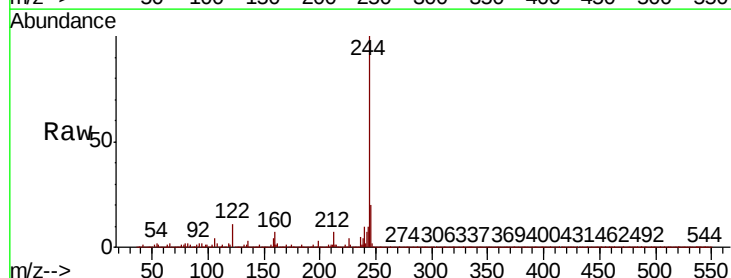
Manual Integrations
APPROVED

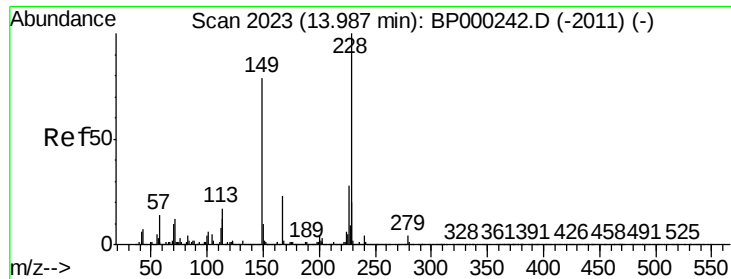
mohammad
9/20/2019 1:08:42 PM



#79
Terphenyl-d14
Concen: 66.986 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.9	8.9
122	11.2	9.0	13.4





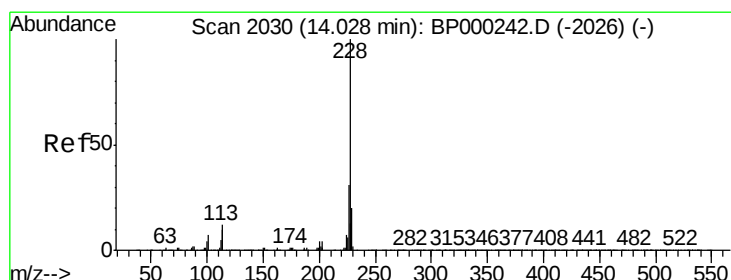
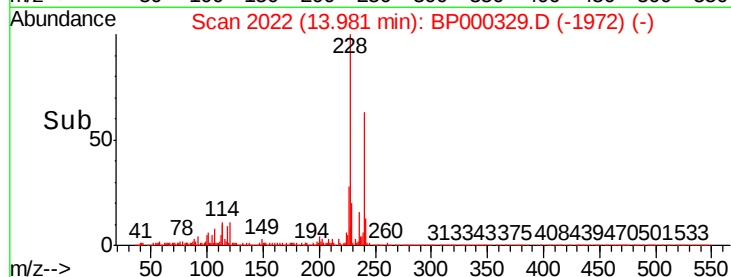
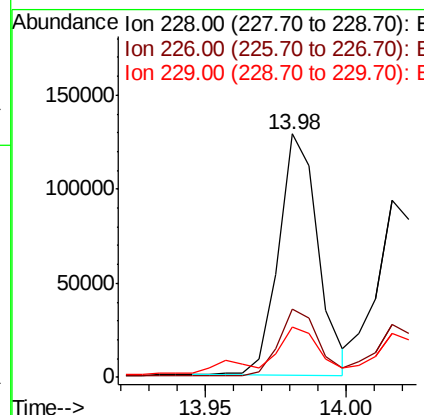
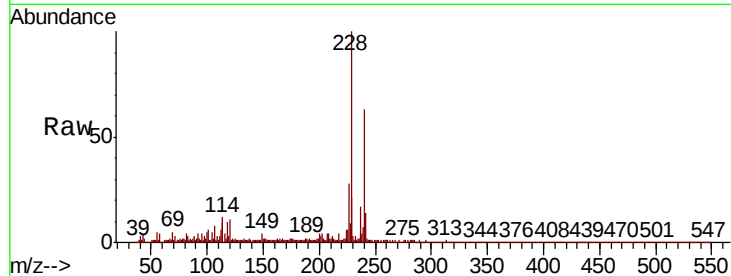
#81
Benzo(a)anthracene
Concen: 2.750 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.2	33.4
229	20.7	16.0	24.0

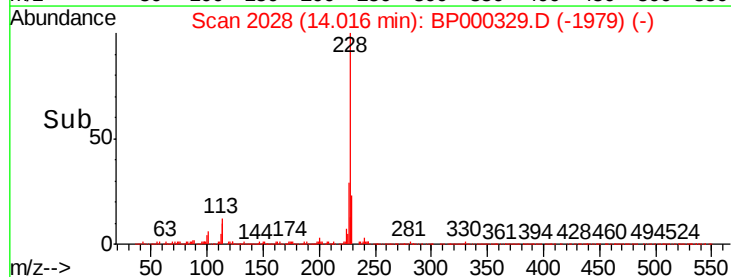
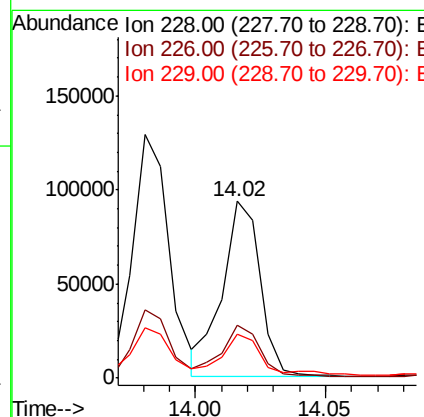
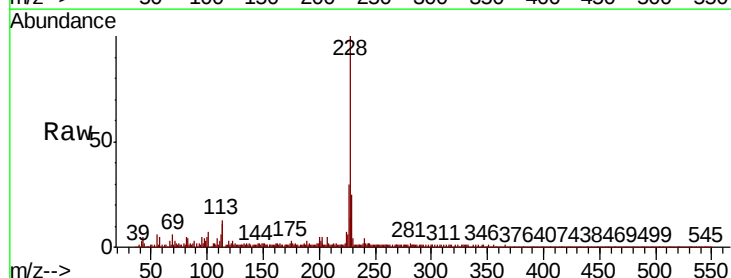
Manual Integrations
APPROVED

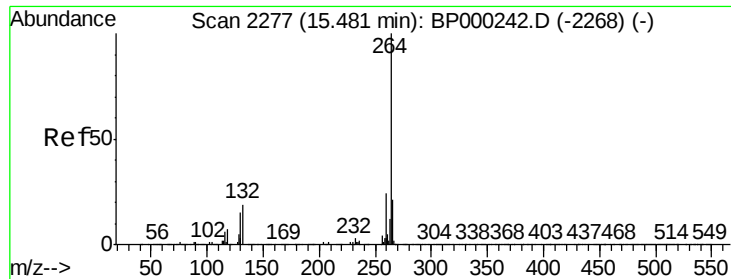
mohammad
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#83
Chrysene
Concen: 2.138 ng m
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	24.8	16.2	24.2#





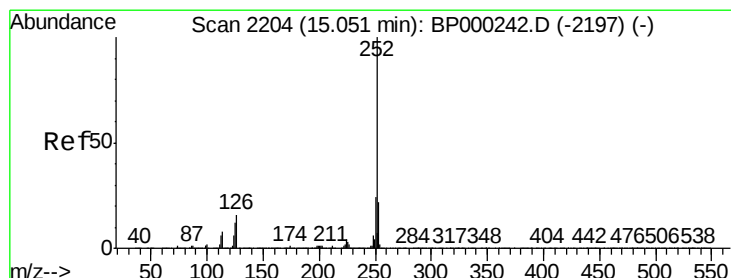
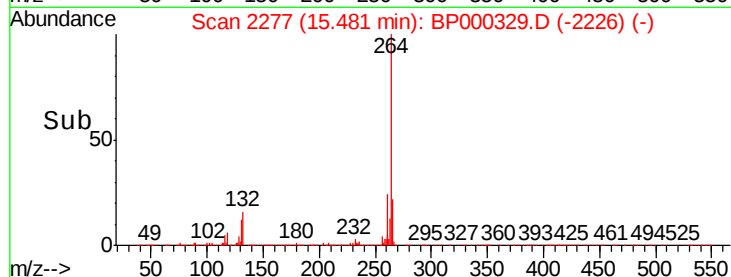
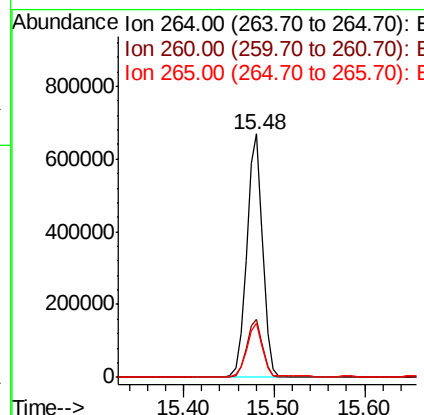
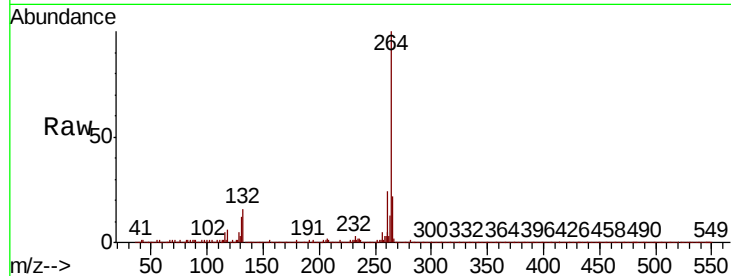
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.7	18.9	28.3	
265	22.2	17.2	25.8	

Manual Integrations
APPROVED

mohammad
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#88
Benzo(b)fluoranthene
Concen: 2.231 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.5	17.8	26.6	
125	13.4	9.5	14.3	

