

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
 Data File : BP000276.D
 Acq On : 17 Sep 2019 16:37
 Operator : HP/JU
 Sample : K4889-01DL 4X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DRUM-COMPDL

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:46:18 PM

Quant Time: Sep 18 09:26:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	307240	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1093350	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	525615	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	909891	20.00	ng	0.00
76) Chrysene-d12	14.00	240	803066	20.00	ng	0.00
87) Perylene-d12	15.48	264	626236	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	386852	21.74	ng	0.00
7) Phenol-d6	6.42	99	501907	23.01	ng	0.00
23) Nitrobenzene-d5	7.35	82	170311	10.05	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	102828	19.72	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	604383	20.70	ng	0.00
79) Terphenyl-d14	12.93	244	600622	15.69	ng	0.00
Target Compounds						
49) Acenaphthylene	9.69	152	181483	3.958	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.15	232	28690	3.274	ng	# 91
70) Pentachlorophenol	11.13	266	316239	51.619	ng	99
75) Fluoranthene	12.55	202	118458	2.419	ng	94
78) Pyrene	12.78	202	267246	4.448	ng	98
81) Benzo(a)anthracene	13.99	228	116534m	2.297	ng	
83) Chrysene	14.02	228	107875	2.166	ng	95
88) Benzo(b)fluoranthene	15.05	252	142954m	3.826	ng	
90) Benzo(a)pyrene	15.42	252	91082	2.679	ng	# 88
92) Benzo(g,h,i)perylene	17.41	276	83001	2.548	ng	94

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

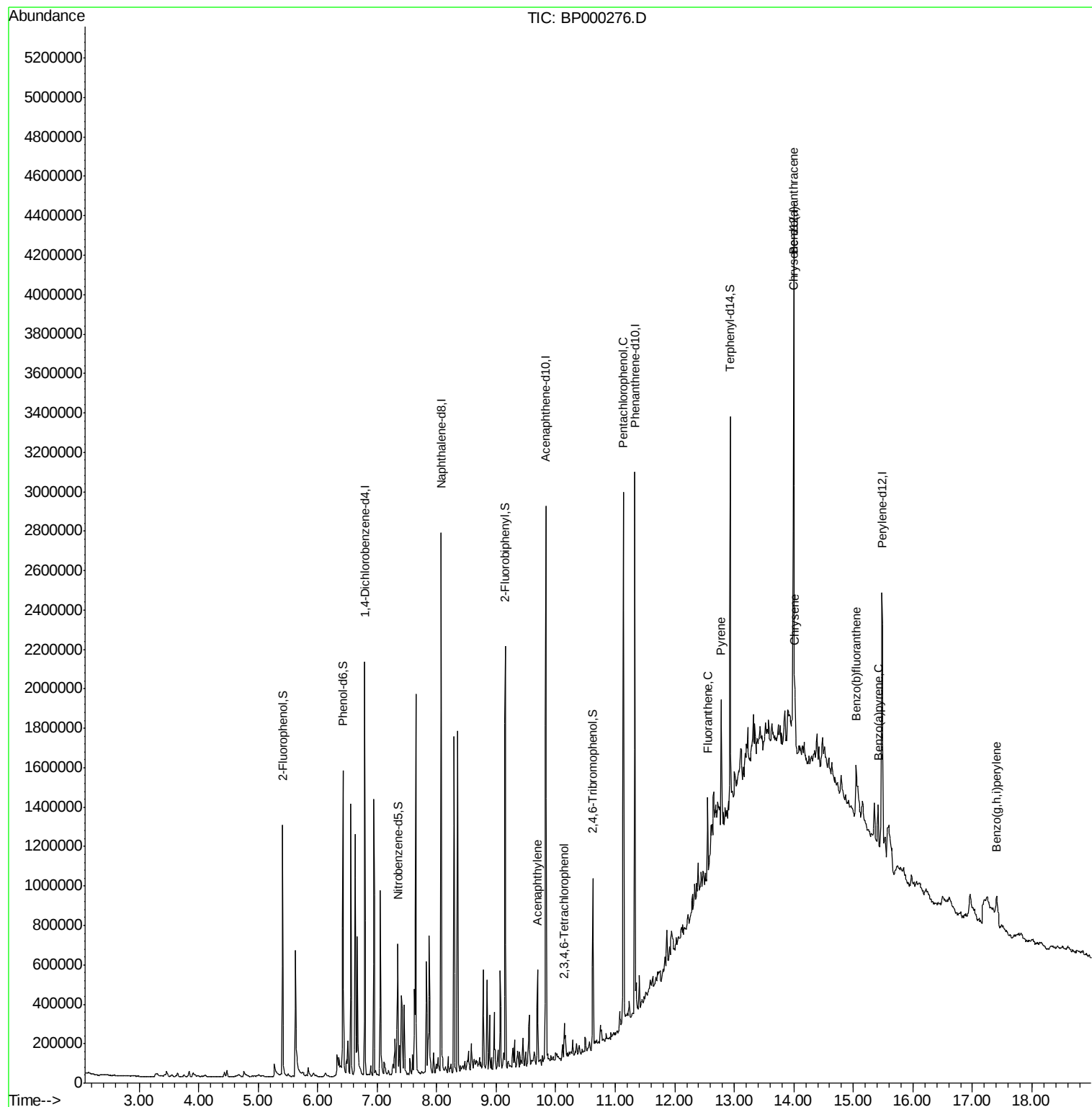
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000276.D
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Operator : HP/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

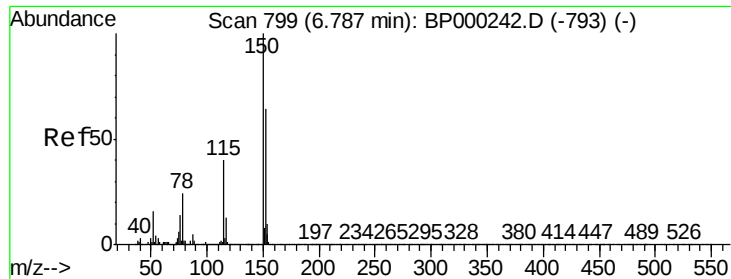
Instrument :
BNA_P
ClientSampleId :
DRUM-COMPDL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

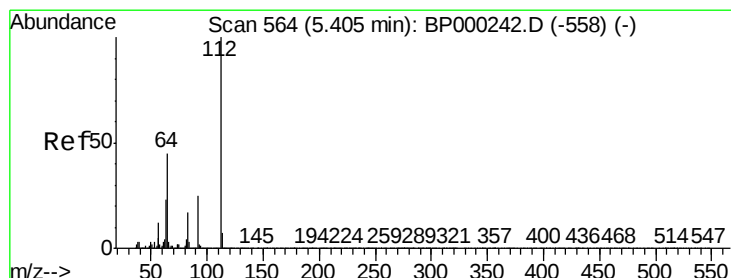
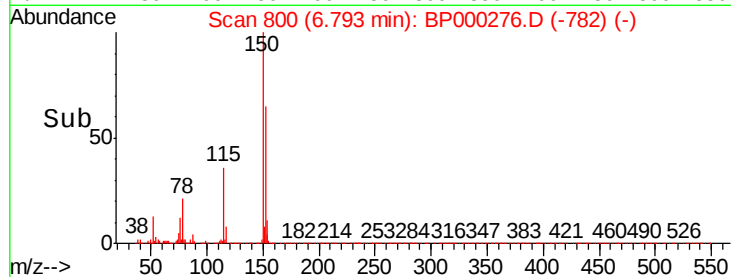
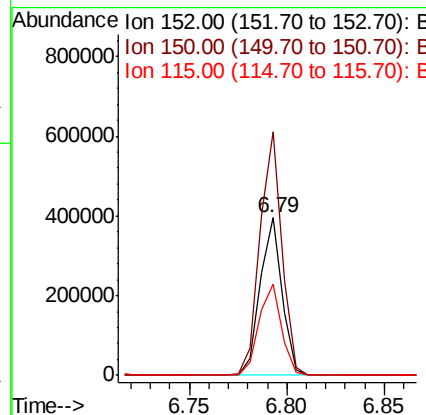
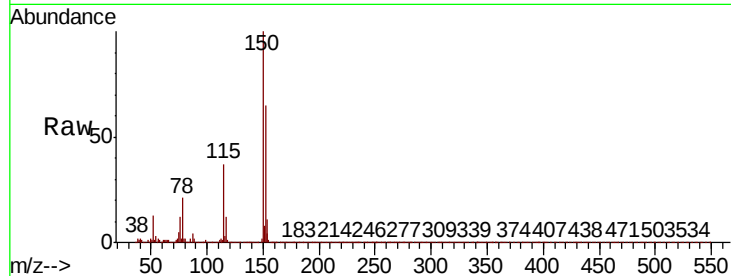
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000276.D
Acq: 17 Sep 2019 16:37

Instrument :
BNA_P
ClientSampleId :
DRUM-COMPDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.2	187.8
115	57.7	49.7	74.5

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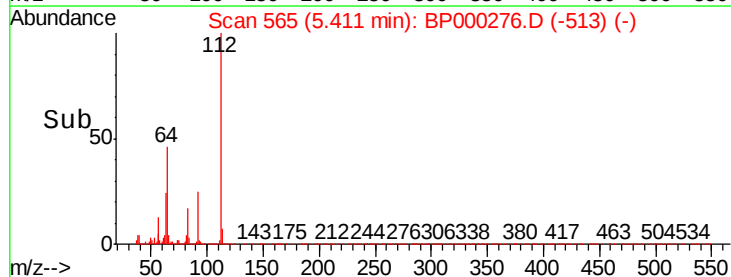
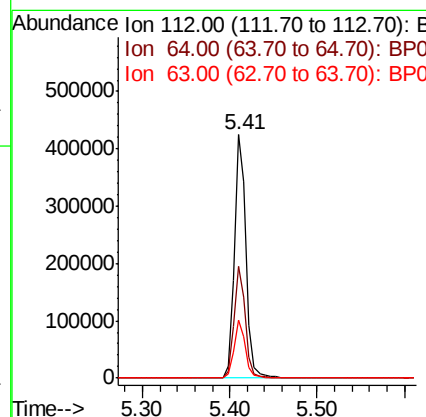
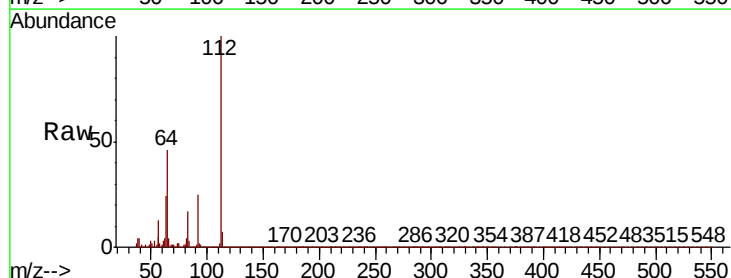
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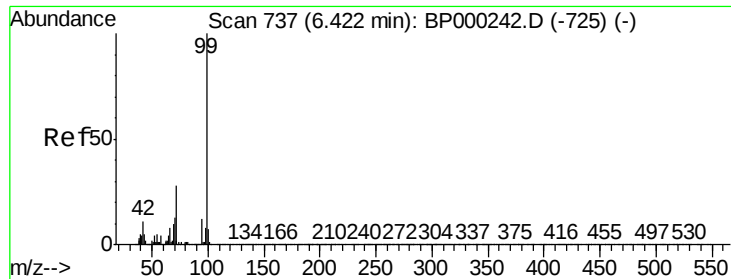


#5

2-Fluorophenol
Concen: 21.737 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000276.D
Acq: 17 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.1	36.2	54.4
63	23.7	18.3	27.5





#7

Phenol-d6

Concen: 23.007 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BP000276.D

Acq: 17 Sep 2019 16:37

Instrument :

BNA_P

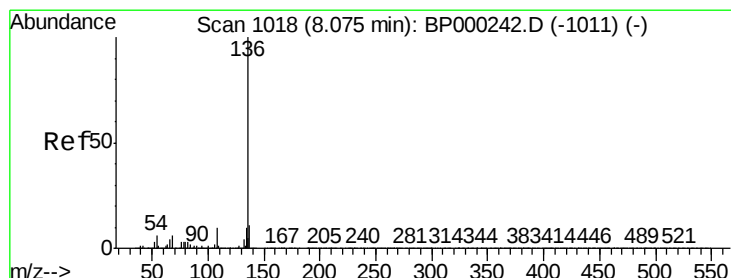
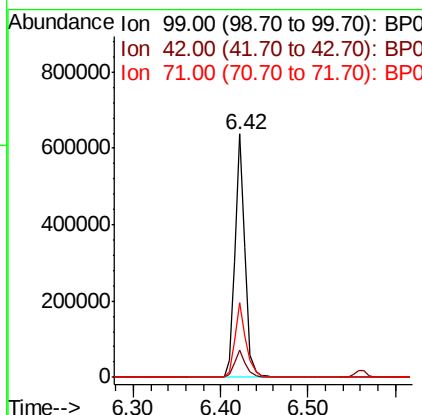
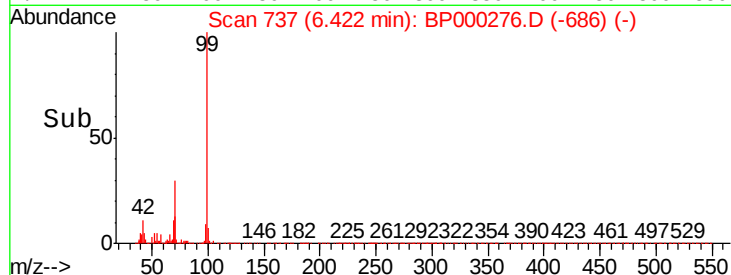
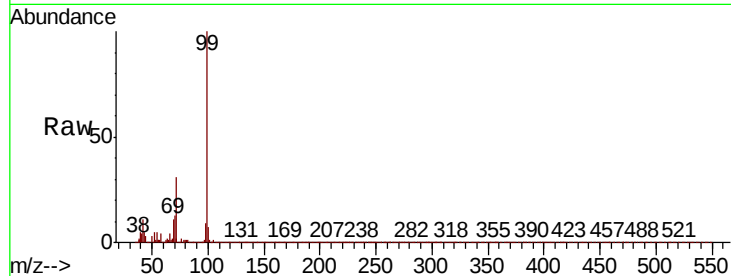
ClientSampleId :

DRUM-COMPD

Tot Ion:	99	Resp:	501907
Ion Ratio	Lower	Upper	
99	100		
42	11.2	8.5	12.7
71	30.5	22.6	34.0

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#21

Naphthalene-d8

Concen: 20.000 ng

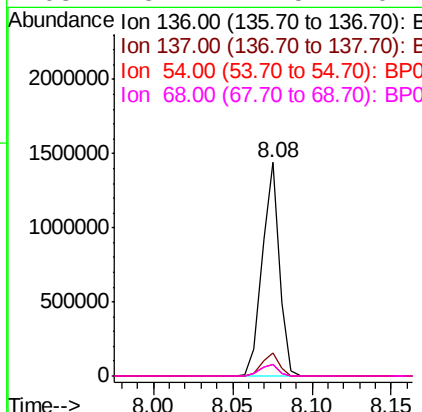
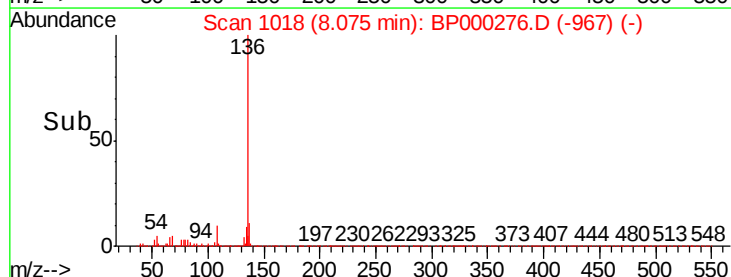
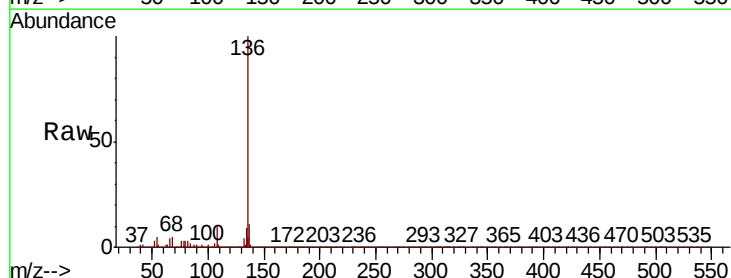
RT: 8.08 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BP000276.D

Acq: 17 Sep 2019 16:37

Tgt Ion:	136	Resp:	1093350
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	5.2	4.5	6.7
68	5.1	4.5	6.7





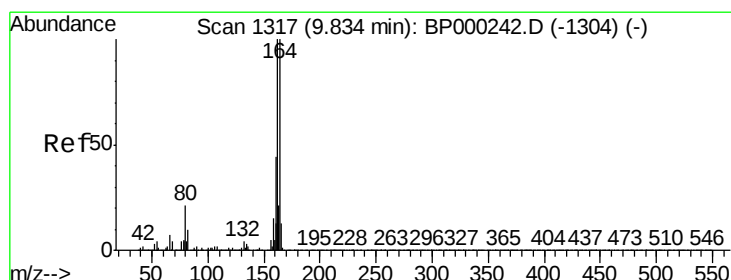
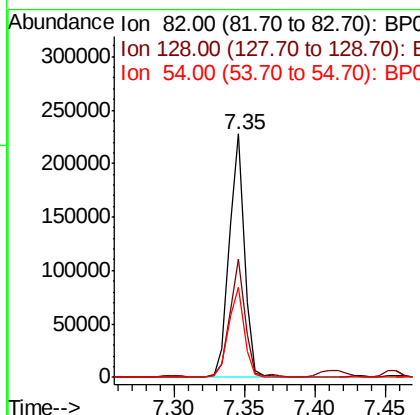
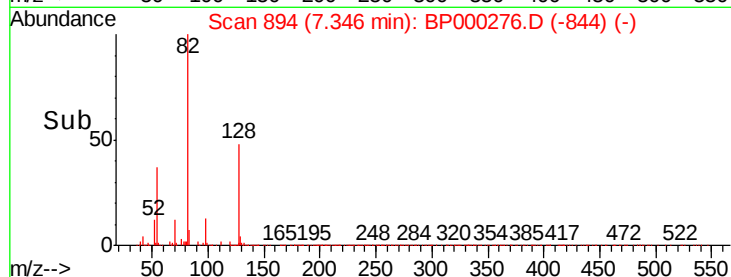
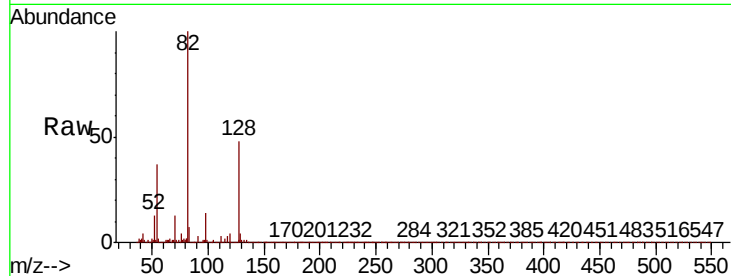
#23
Nitrobenzene-d5
Concen: 10.050 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000276.D
Acq: 17 Sep 2019 16:37

Instrument :
BNA_P
ClientSampleId :
DRUM-COMPD

Tot Ion	82	Resp	170311
Ion Ratio	Lower	Upper	
82	100		
128	48.5	40.7	61.1
54	36.8	30.1	45.1

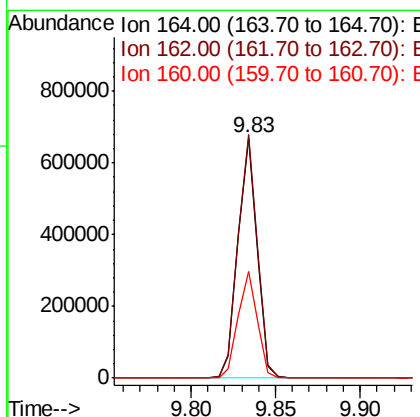
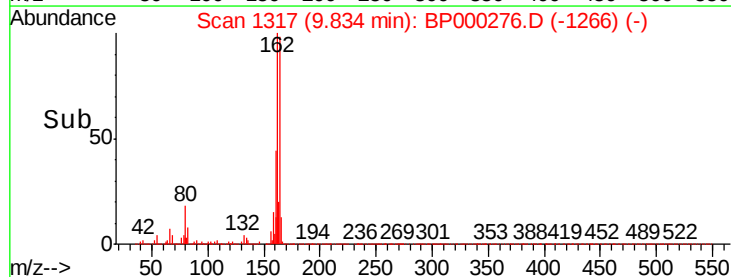
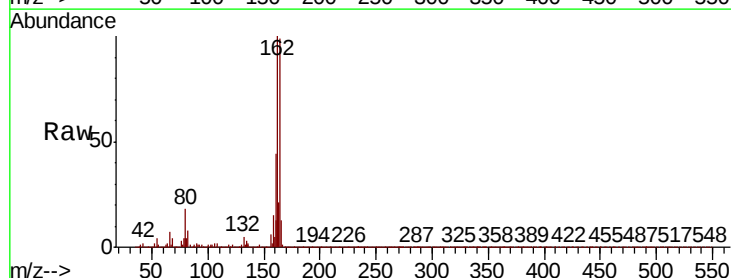
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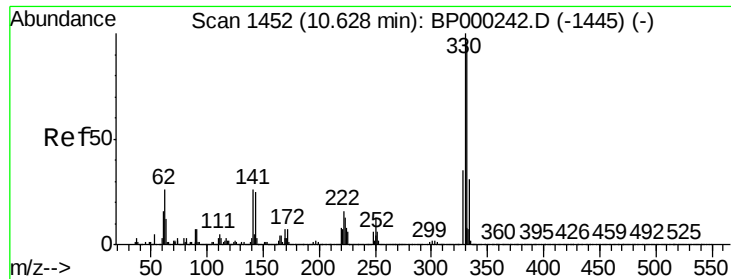
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000276.D
Acq: 17 Sep 2019 16:37

Tgt Ion	164	Resp	525615
Ion Ratio	Lower	Upper	
164	100		
162	101.4	79.9	119.9
160	44.6	35.6	53.4





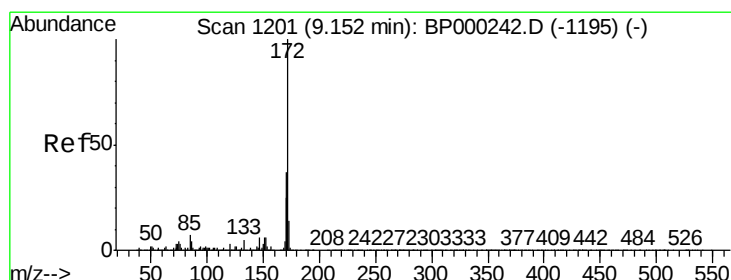
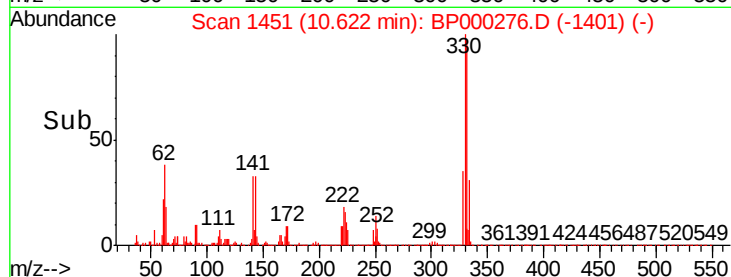
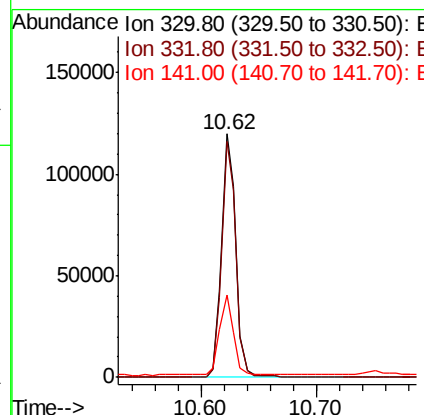
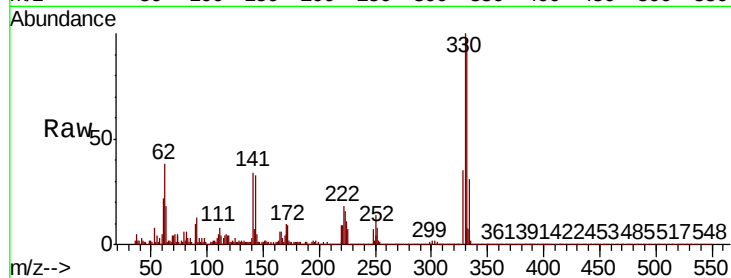
#42
2,4,6-Tribromophenol
Concen: 19.724 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000276.D
Acq: 17 Sep 2019 16:37

Instrument :
BNA_P
ClientSampleId :
DRUM-COMPDL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	76.6	115.0	
141	31.8	26.5	39.7	

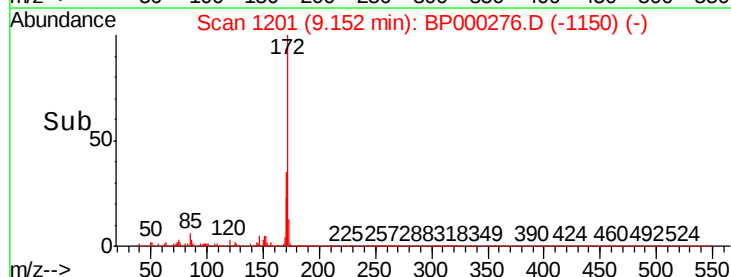
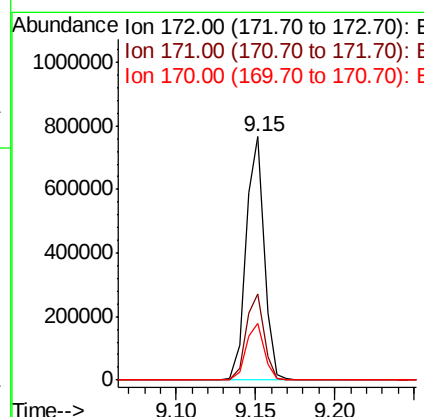
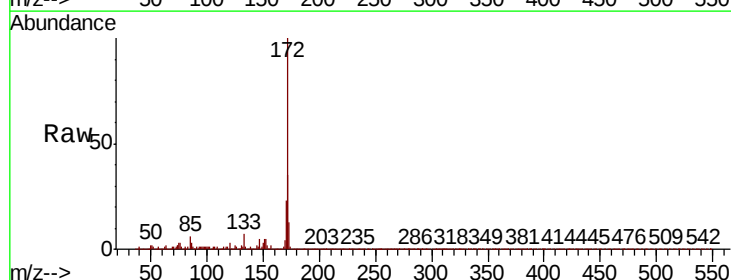
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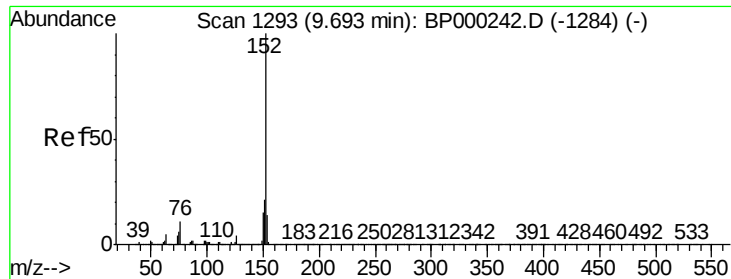
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#45
2-Fluorobiphenyl
Concen: 20.695 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000276.D
Acq: 17 Sep 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	29.8	44.6	
170	23.3	19.8	29.6	





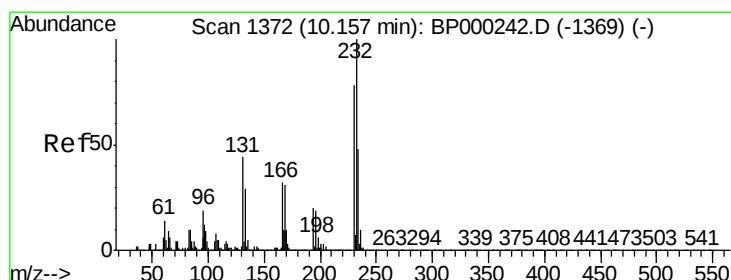
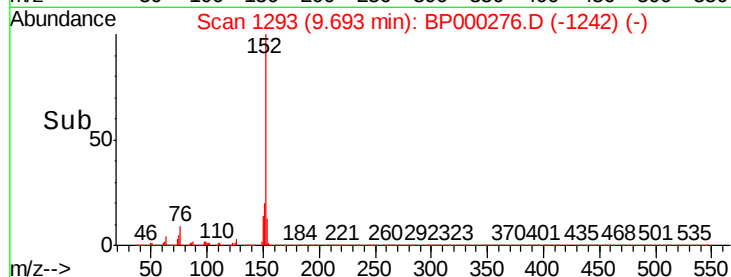
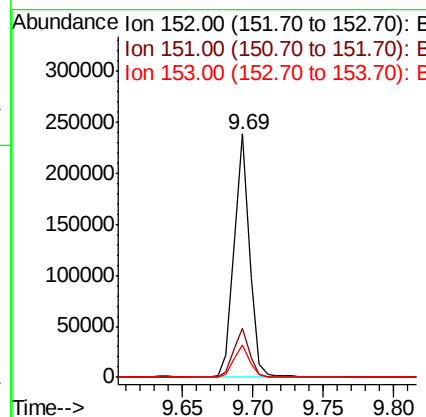
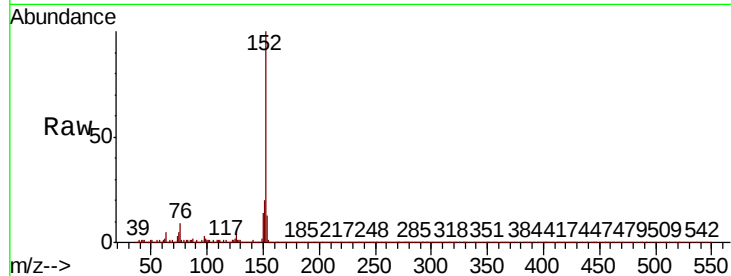
#49
Acenaphthylene
Concen: 3.958 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BP000276.D
Acq: 17 Sep 2019 16:37

Instrument :
BNA_P
ClientSampleId :
DRUM-COMPDL

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	13.4	11.0	16.4

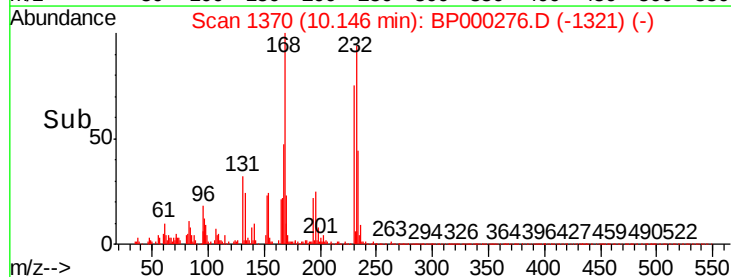
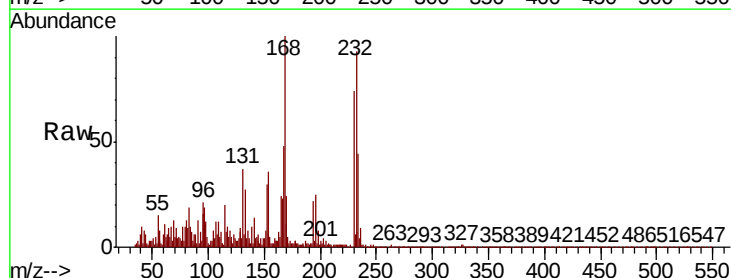
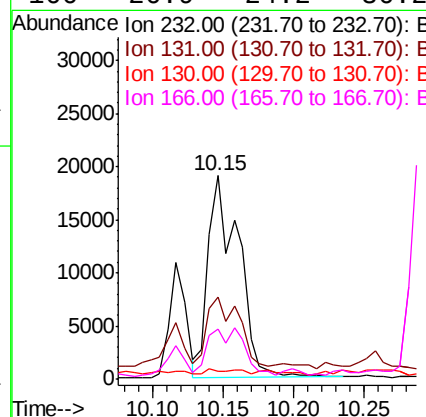
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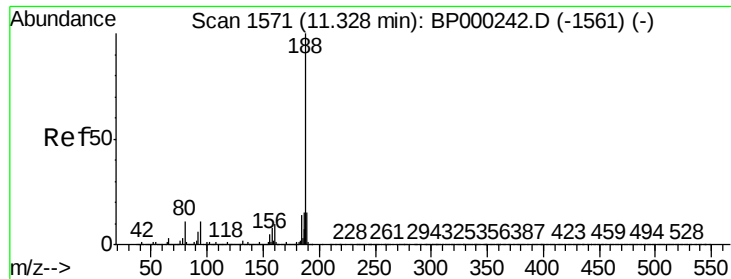
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#59
2,3,4,6-Tetrachlorophenol
Concen: 3.274 ng
RT: 10.15 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BP000276.D
Acq: 17 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
232	100		
131	35.1	33.6	50.4
130	1.4	1.8	2.6
166	26.9	24.2	36.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BP000276.D

Acq: 17 Sep 2019 16:37

Instrument :

BNA_P

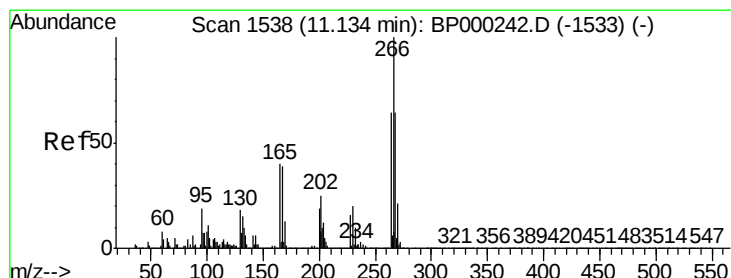
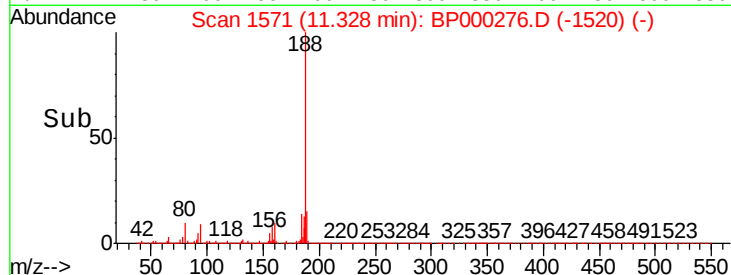
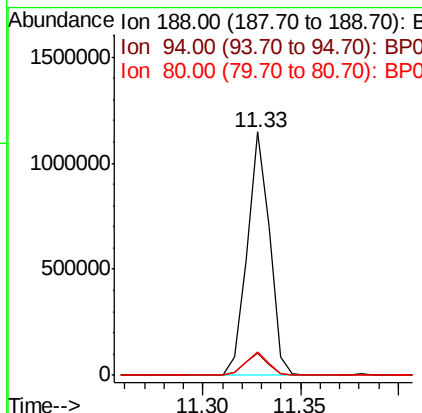
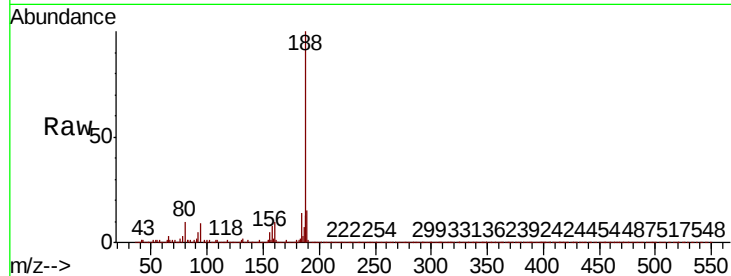
ClientSampleId :

DRUM-COMPD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		909891		
94	9.3		8.5	12.7	
80	9.8		8.6	13.0	

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#70

Pentachlorophenol

Concen: 51.619 ng

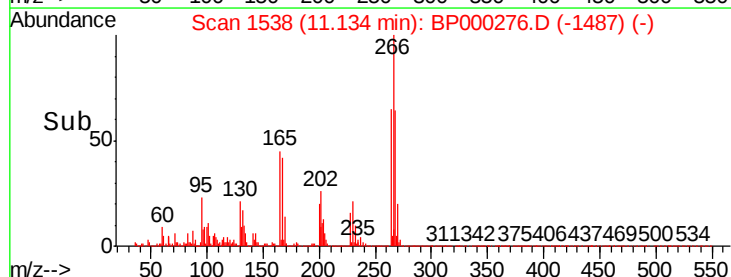
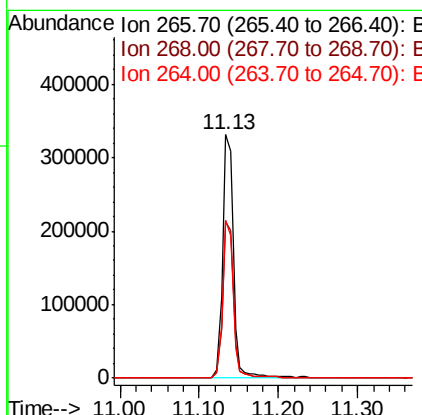
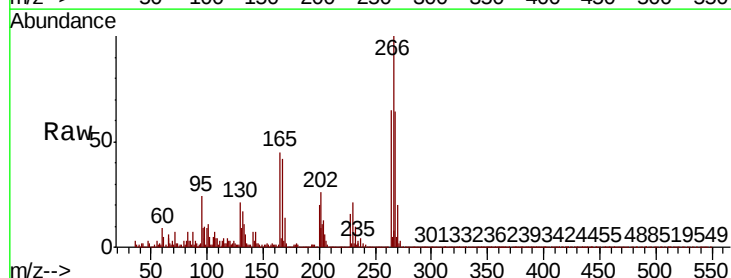
RT: 11.13 min Scan# 1538

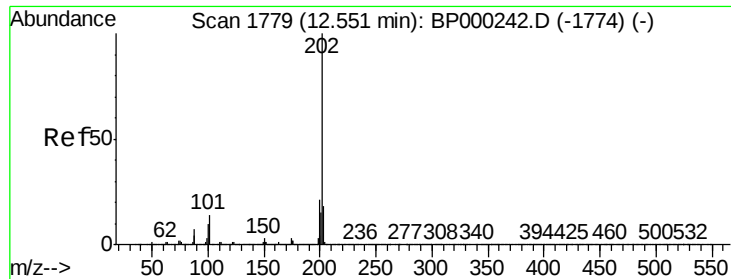
Delta R.T. 0.00 min

Lab File: BP000276.D

Acq: 17 Sep 2019 16:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
266	100		316239		
268	64.1		51.6	77.4	
264	64.8		50.8	76.2	





#75

Fluoranthene

Concen: 2.419 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BP000276.D

Acq: 17 Sep 2019 16:37

Instrument :

BNA_P

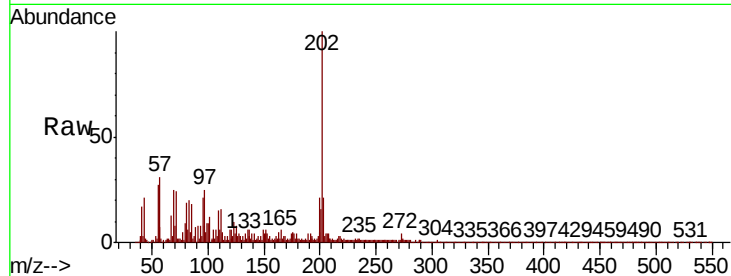
ClientSampleId :

DRUM-COMPDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		118458		
101	11.9	0.0	33.9		
203	20.7	0.0	38.0		

Manual Integrations
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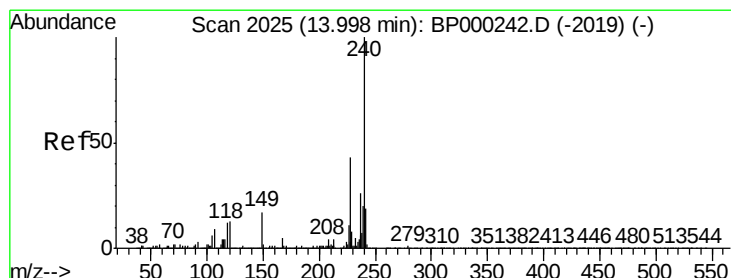
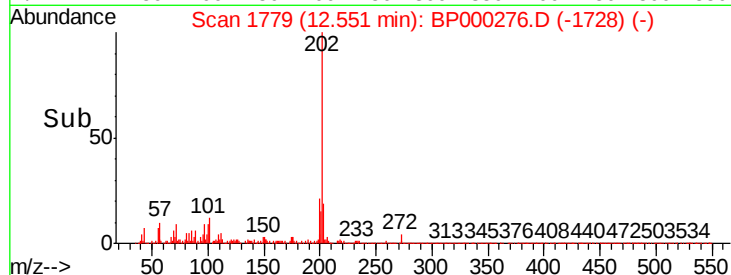
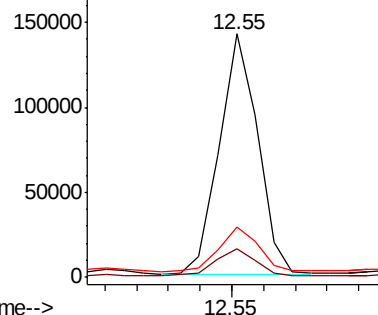


Abundance

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

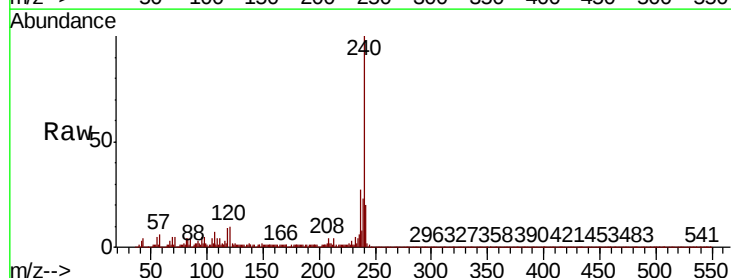
RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BP000276.D

Acq: 17 Sep 2019 16:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		803066		
120	10.4	10.4	15.6#		
236	26.7	21.0	31.6		

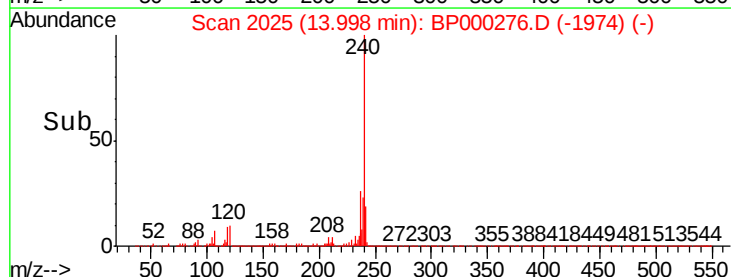
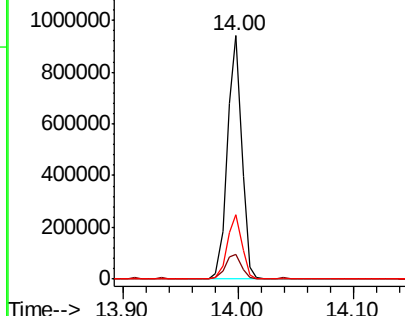


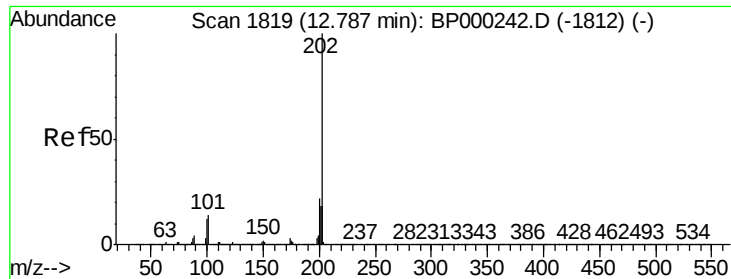
Abundance

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





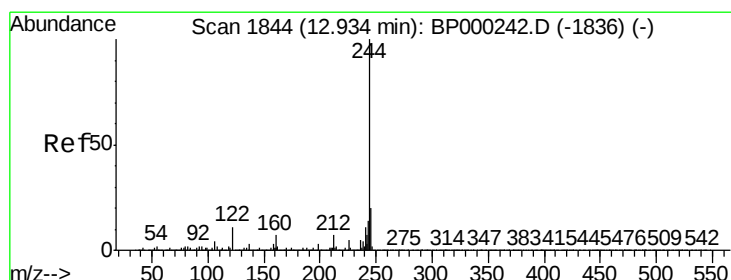
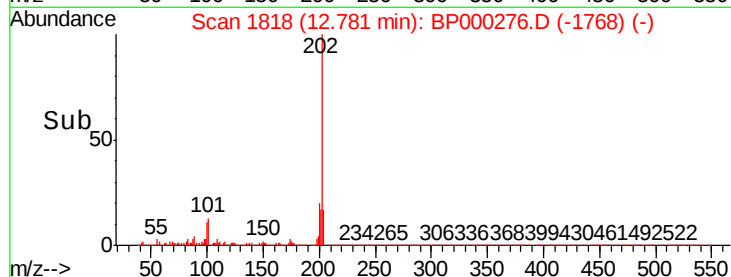
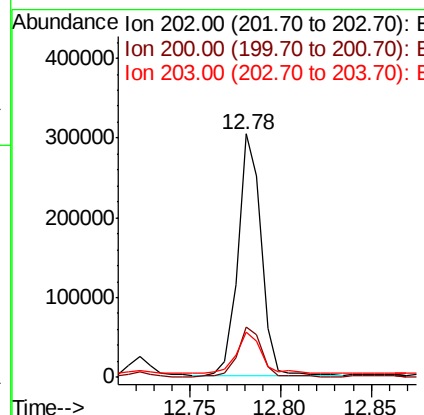
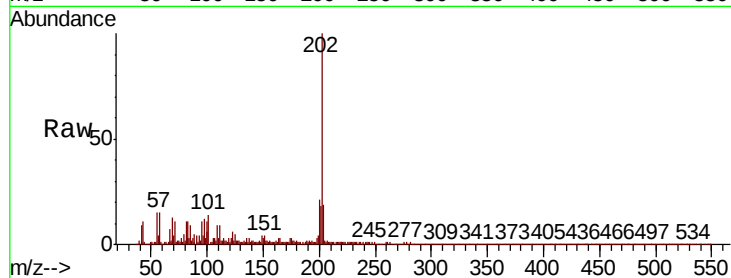
#78
Pvrene
Concen: 4.448 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000276.D
Acq: 17 Sep 2019 16:37

Instrument :
BNA_P
ClientSampleId :
DRUM-COMPDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	17.5	26.3
203	18.6	14.3	21.5

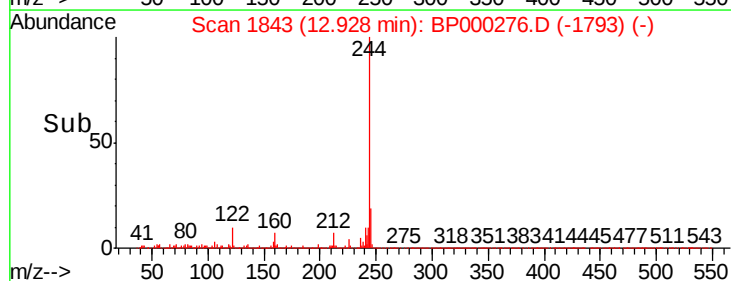
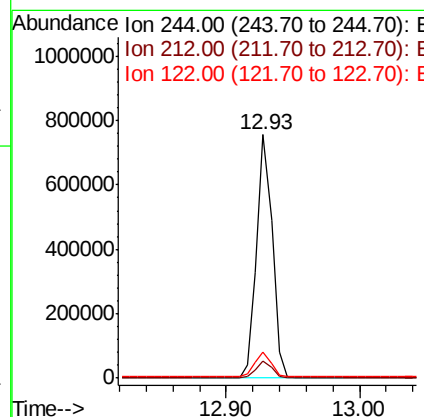
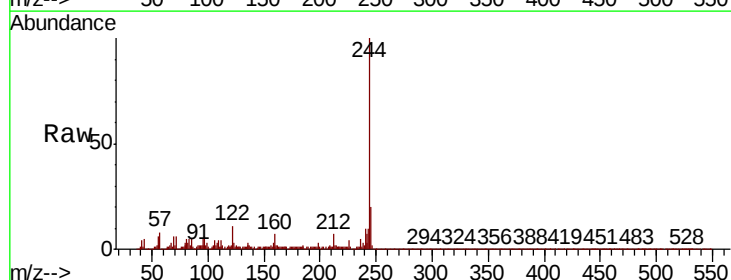
Manual Integrations
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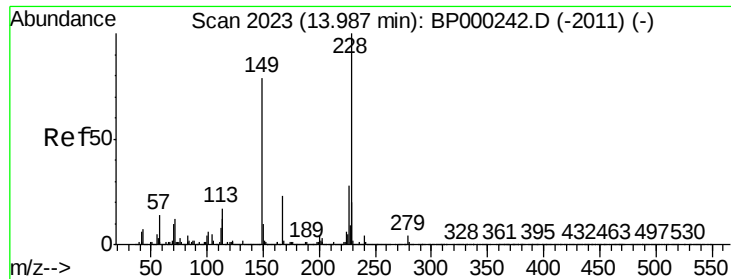
mohammad
9/19/2019 4:46:18 PM



#79
Terphenyl-d14
Concen: 15.690 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000276.D
Acq: 17 Sep 2019 16:37

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.9	8.9
122	10.8	9.0	13.4





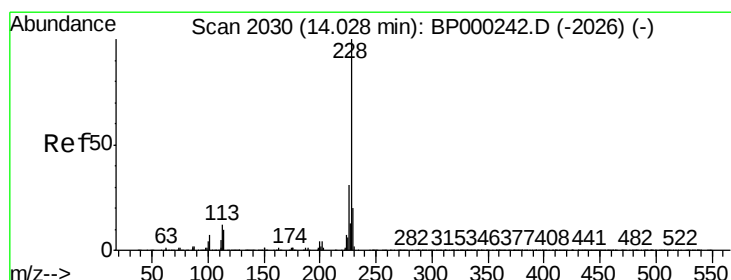
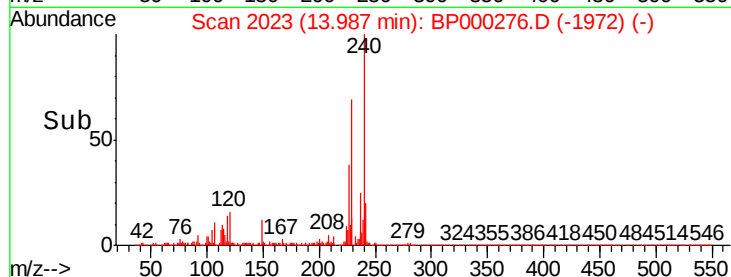
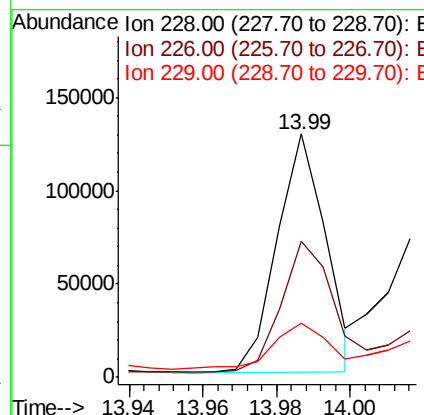
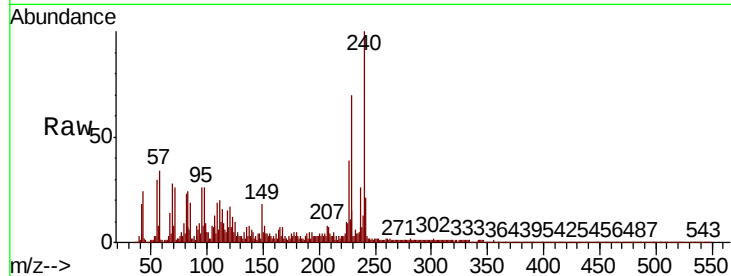
#81
Benzo(a)anthracene
Concen: 2.297 ng m
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BP000276.D
Acq: 17 Sep 2019 16:37

Instrument :
BNA_P
ClientSampleId :
DRUM-COMPDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	55.9	22.2	33.4#
229	22.0	16.0	24.0

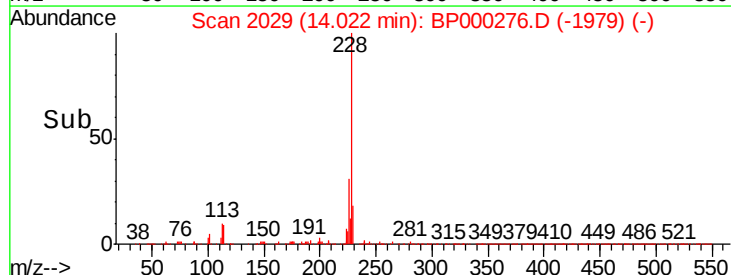
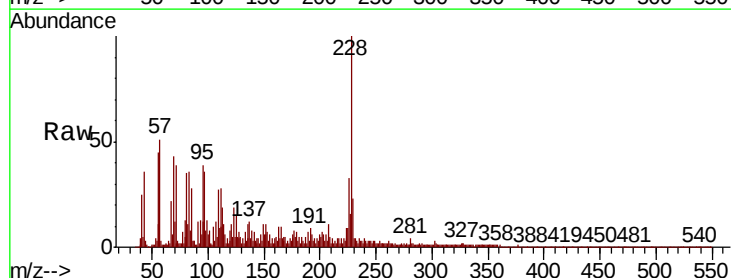
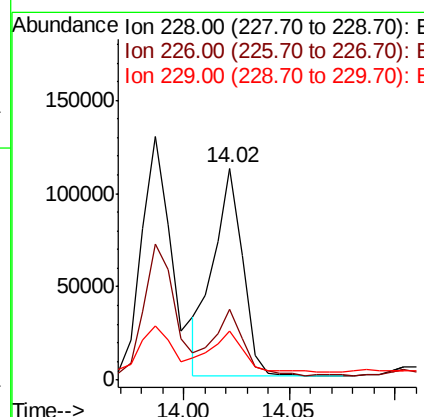
Manual Integrations
APPROVED

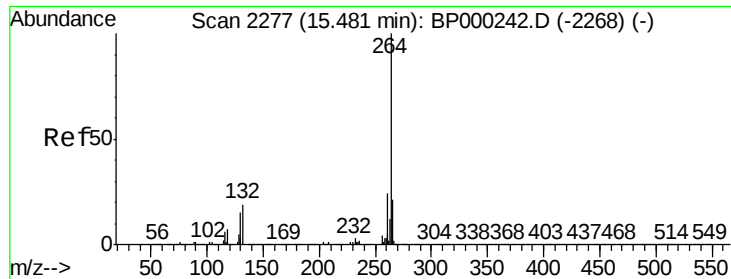
mohammad
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#83
Chrysene
Concen: 2.166 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BP000276.D
Acq: 17 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	24.9	37.3
229	22.9	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: BP000276.D

Acq: 17 Sep 2019 16:37

Instrument :

BNA_P

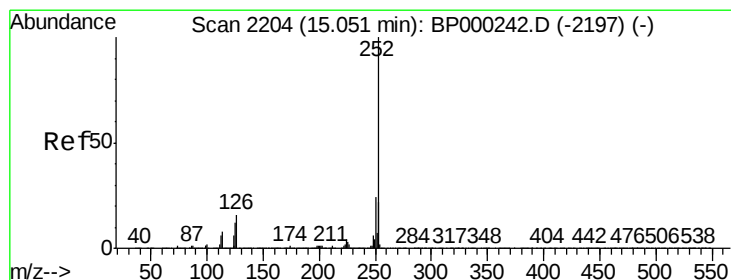
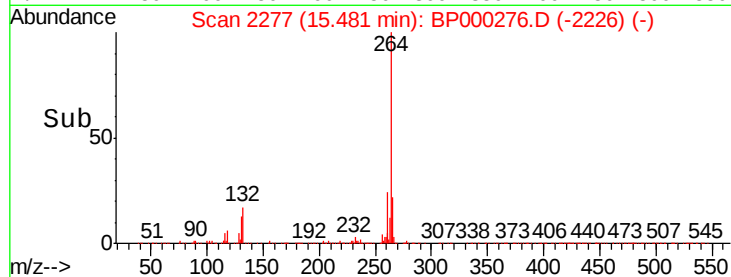
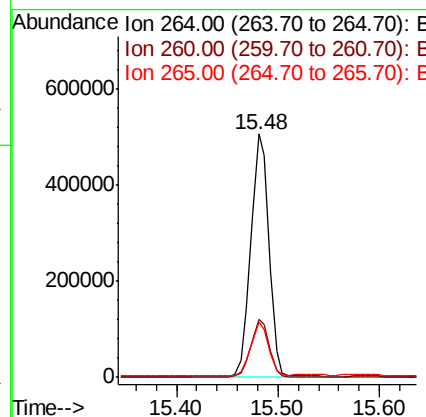
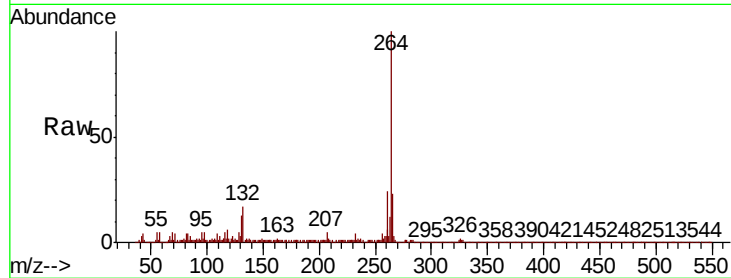
ClientSampleId :

DRUM-COMPDL

Tot Ion:	264	Resp:	626236
Ion Ratio		Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.6	17.2	25.8

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 3.826 ng m

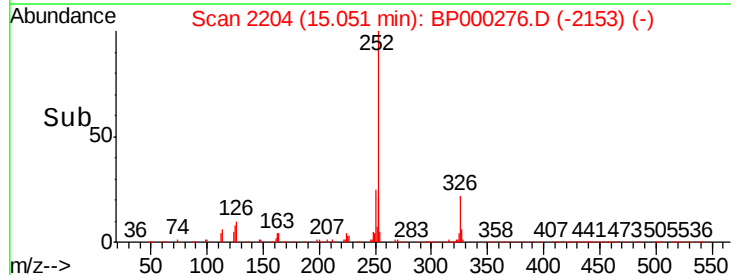
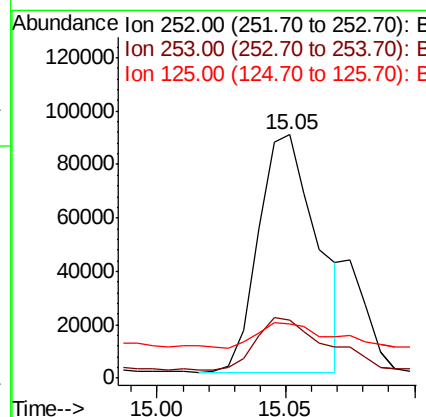
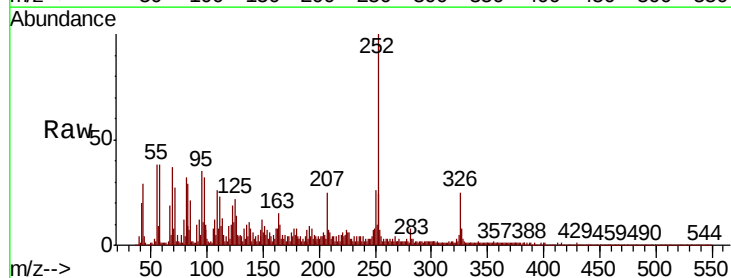
RT: 15.05 min Scan# 2204

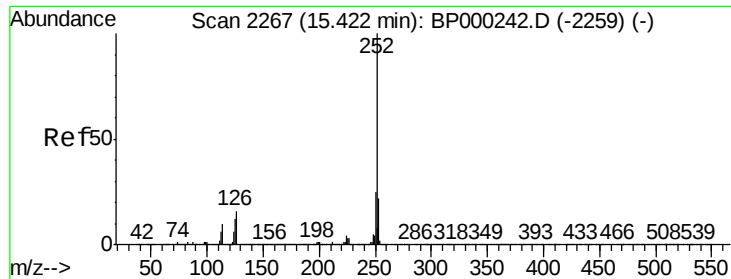
Delta R.T. 0.00 min

Lab File: BP000276.D

Acq: 17 Sep 2019 16:37

Tgt Ion:	252	Resp:	142954
Ion Ratio		Lower	Upper
252	100		
253	23.8	17.8	26.6
125	22.4	9.5	14.3#





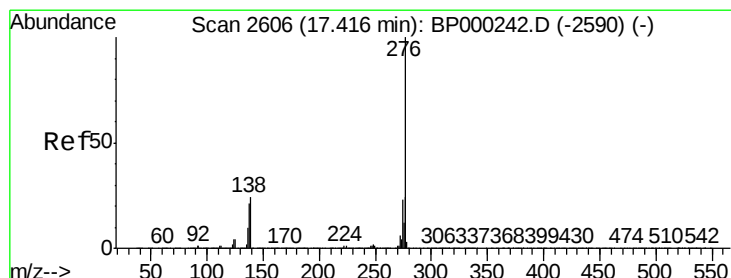
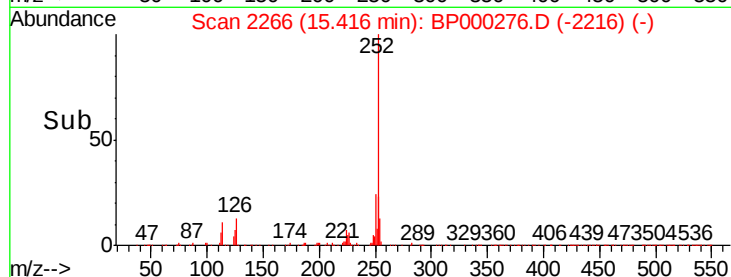
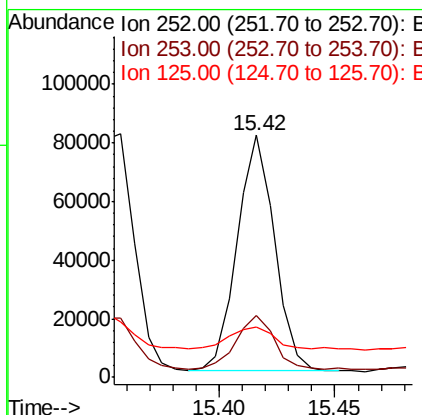
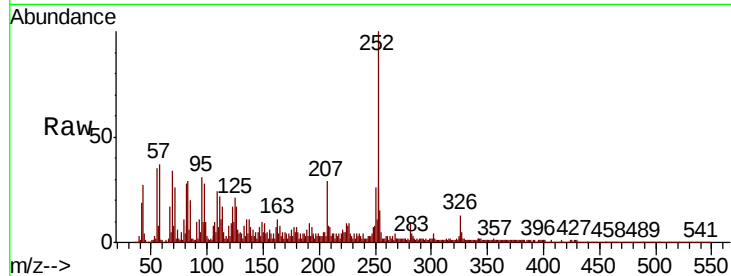
#90
Benzo(a)pyrene
Concen: 2.679 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BP000276.D
Acq: 17 Sep 2019 16:37

Instrument :
BNA_P
ClientSampleId :
DRUM-COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.7	26.5
125	20.8	10.0	15.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 2.548 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.01 min
Lab File: BP000276.D
Acq: 17 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.1	28.7
138	26.3	19.5	29.3

