Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000296.D
Acq On : 18 Sep 2019 14:48
Operator : HP/JU
Sample : K4925-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SS-4

Manual Integrations APPROVED
Jagrut
9/19/2019 11:06:59 AM

Quant Time: Sep 19 03:47:16 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	302728	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1109187	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	609801	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1143318	20.00	ng	0.00
76) Chrysene-d12	13.99	240	973891	20.00	ng	0.00
87) Perylene-d12	15.47	264	1010107	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1555738	88.72	ng	0.01
7) Phenol-d6	6.43	99	1955030	90.95	ng	0.00
23) Nitrobenzene-d5	7.35	82	1116734	64.96	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	670464	110.85	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2147851	63.39	ng	0.00
79) Terphenyl-d14	12.93	244	2505313	53.97	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.43	94	57968	2.374	ng	83
50) Dimethylphthalate	9.55	163	273930	6.593	ng	99
71) Phenanthrene	11.35	178	368194	6.426	ng	98
75) Fluoranthene	12.55	202	611318	9.937	ng	95
78) Pyrene	12.78	202	524036	7.192	ng	98
81) Benzo(a)anthracene	13.98	228	136760	2.223	ng	94
83) Chrysene	14.02	228	227621	3.768	ng	97
88) Benzo(b)fluoranthene	15.04	252	267617m	4.441	ng	
90) Benzo(a)pyrene	15.40	252	149029	2.718	ng	99
92) Benzo(g,h,i)perylene	17.39	276	106210	2.021	ng	97

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

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Instrument :
BNA_P
ClientSampleId :
SS-4

Manual Integrations APPROVED
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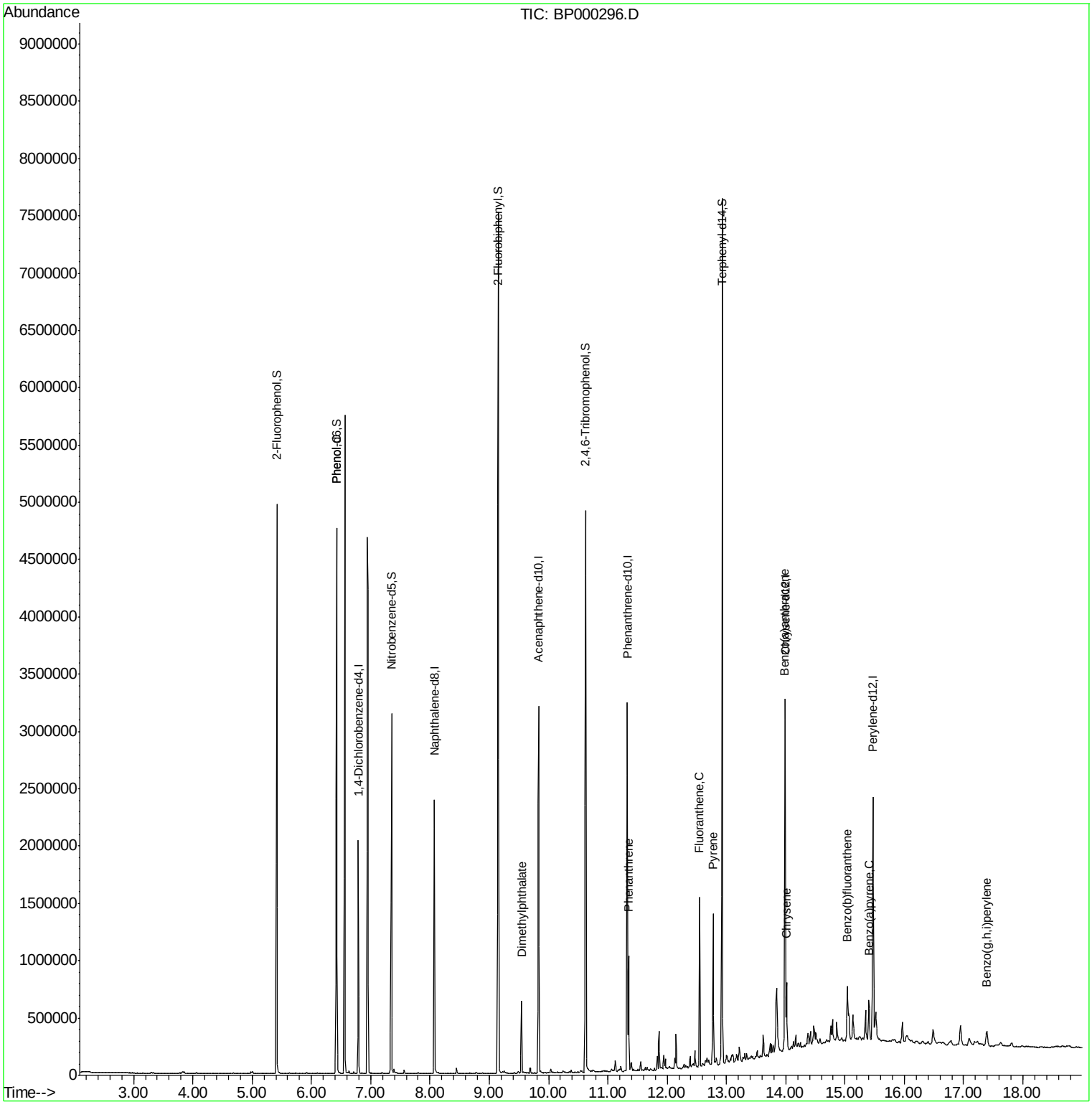
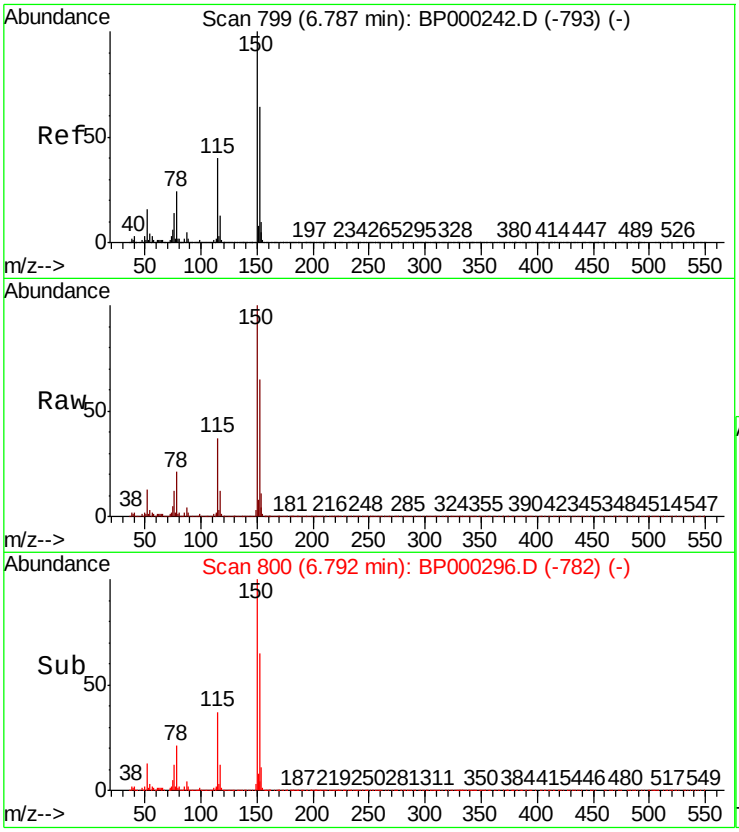
9/19/2019 11:06:59 AM

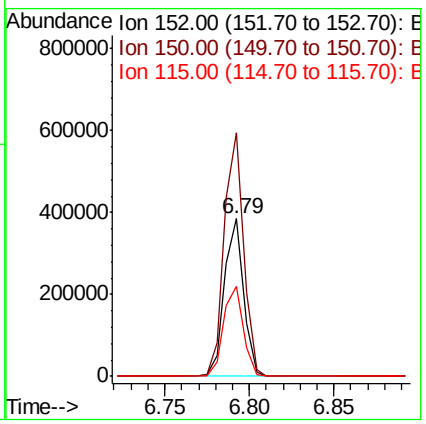




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:152 Resp: 302728

Ion	Ratio	Lower	Upper
152	100		
150	154.3	125.2	187.8
115	56.9	49.7	74.5



Instrument :
BNA_P
ClientSampleId :
SS-4

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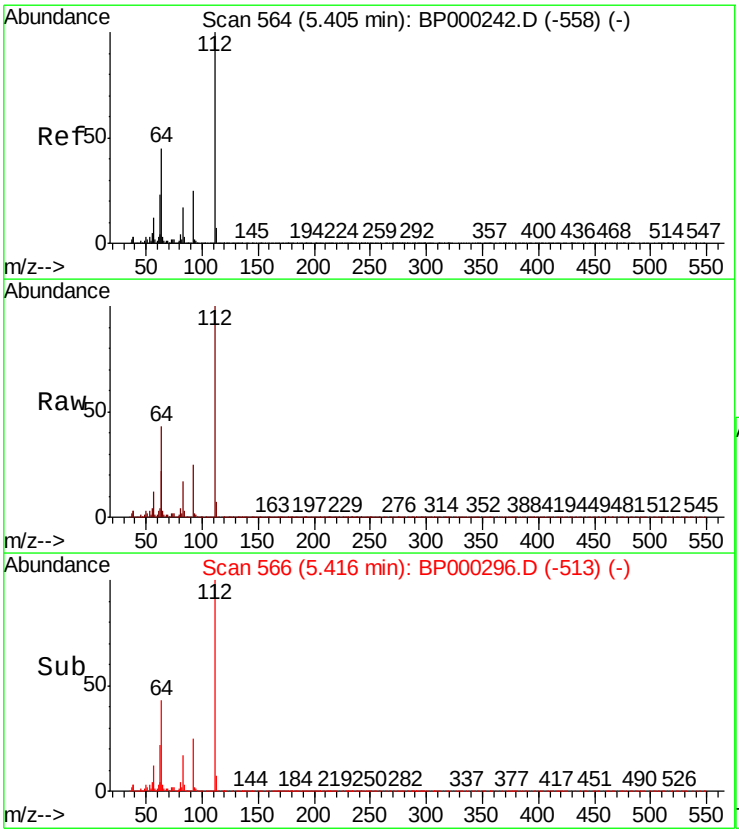
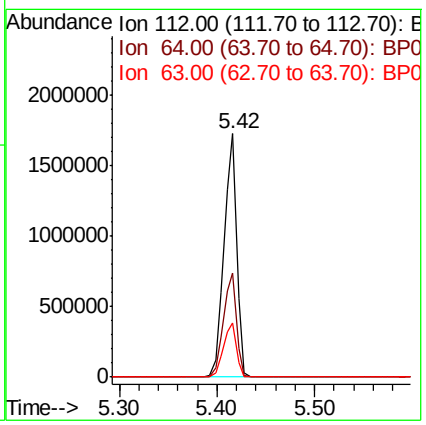
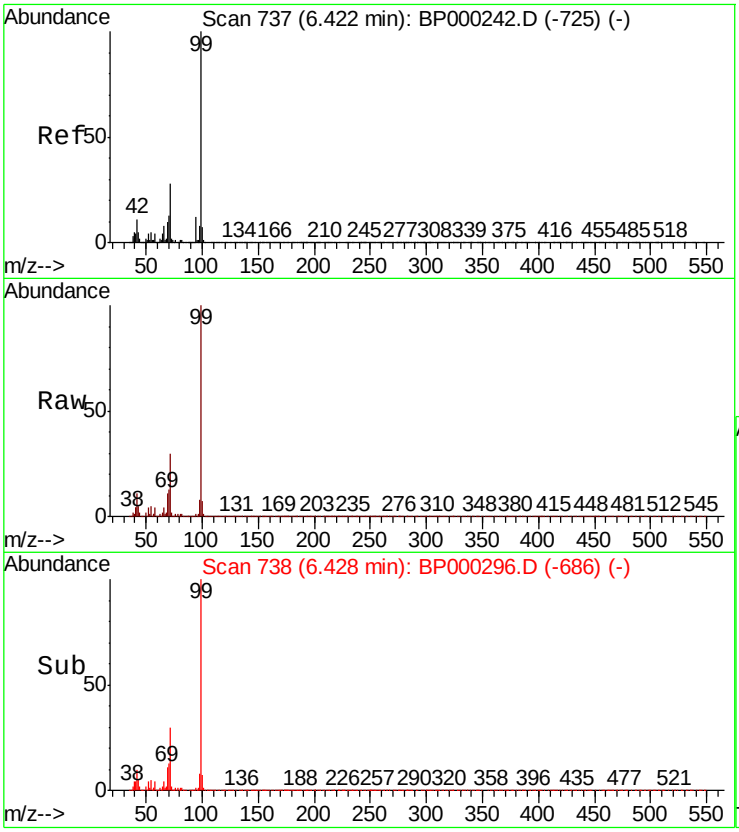


#5
2-Fluorophenol
Concen: 88.718 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:112 Resp: 1555738

Ion	Ratio	Lower	Upper
112	100		
64	42.5	36.2	54.4
63	22.1	18.3	27.5

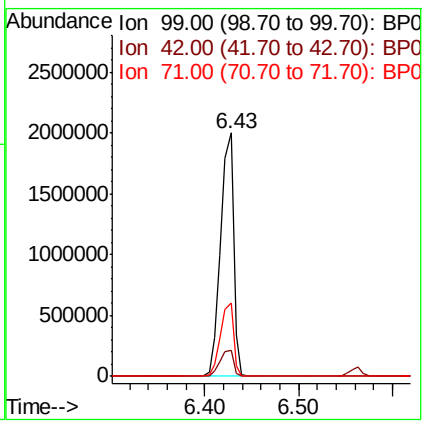




#7
Phenol-d6
Concen: 90.952 ng
RT: 6.43 min Scan# 738
Delta R.T. 0.01 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion: 99 Resp: 1955030

Ion	Ratio	Lower	Upper
99	100		
42	10.5	8.5	12.7
71	30.2	22.6	34.0



Instrument :
BNA_P
ClientSampleId :
SS-4

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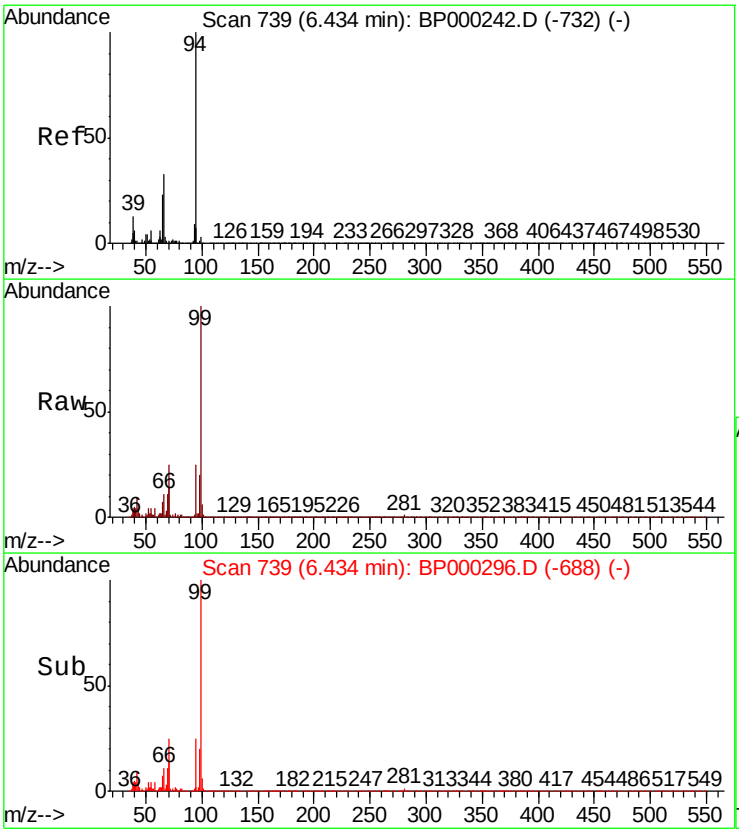
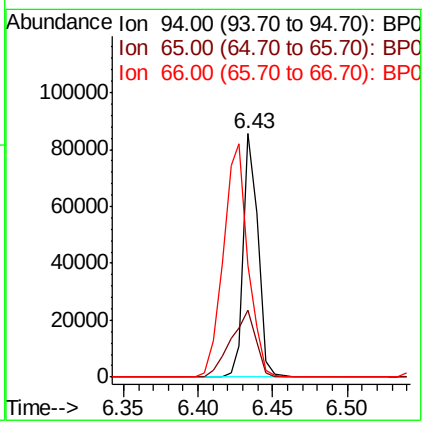
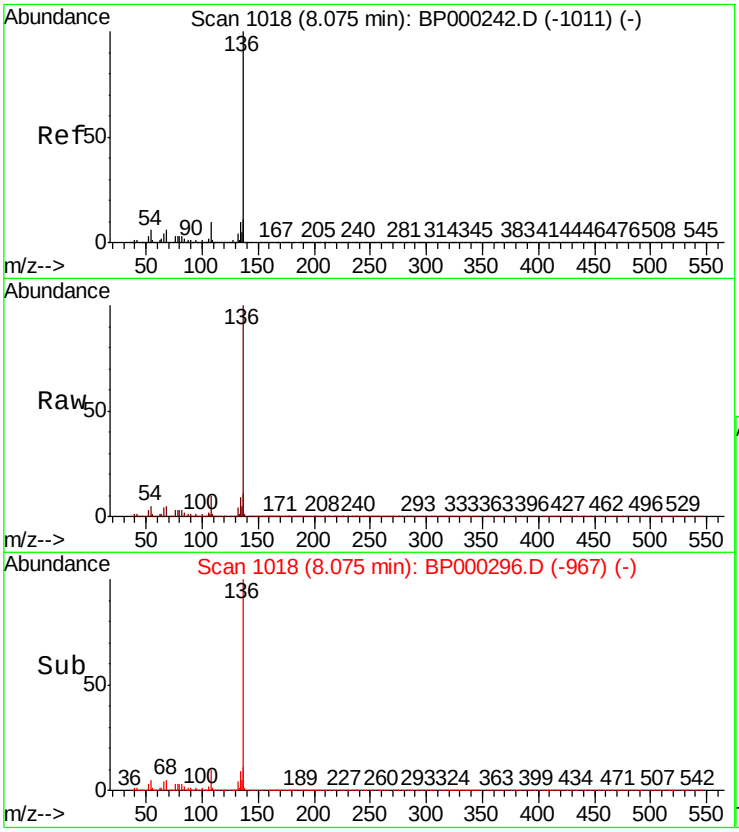


#10
Phenol
Concen: 2.374 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion: 94 Resp: 57968

Ion	Ratio	Lower	Upper
94	100		
65	27.4	3.3	43.3
66	45.9	12.7	52.7

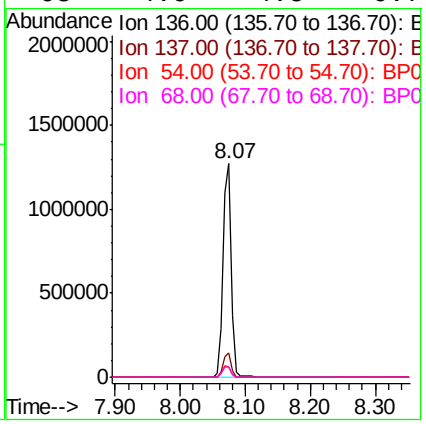




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:136 Resp: 1109187

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	4.9	4.5	6.7
68	4.9	4.5	6.7



Instrument :
BNA_P
ClientSampleId :
SS-4

Manual Integrations APPROVED
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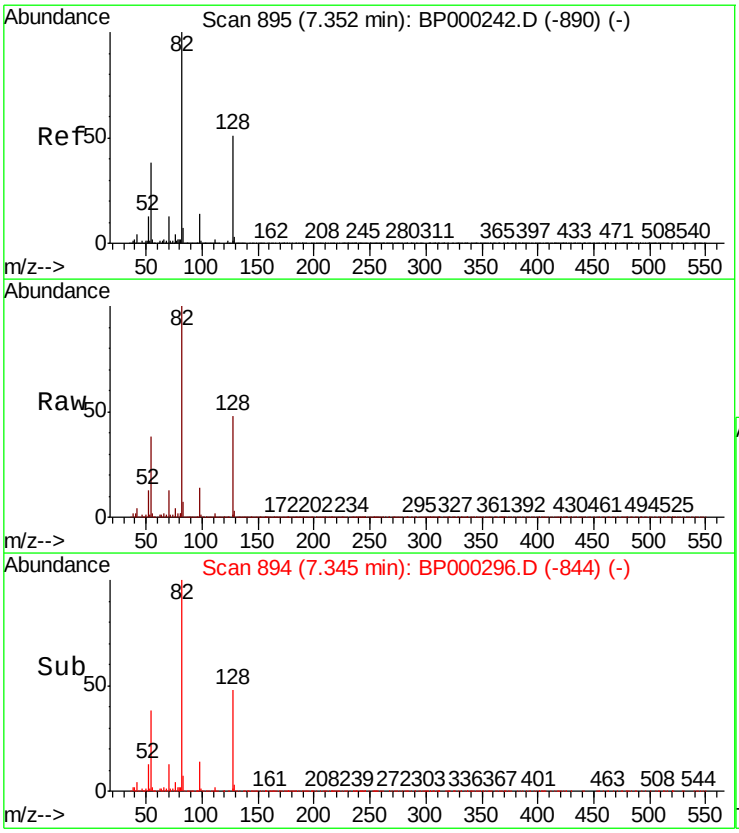
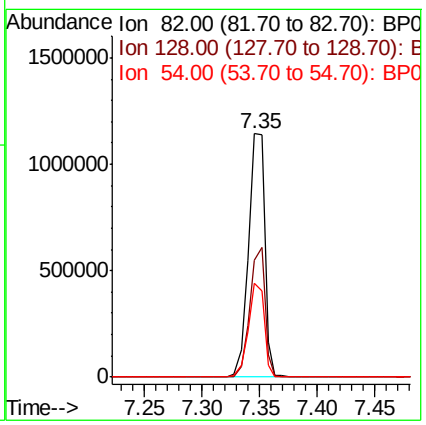
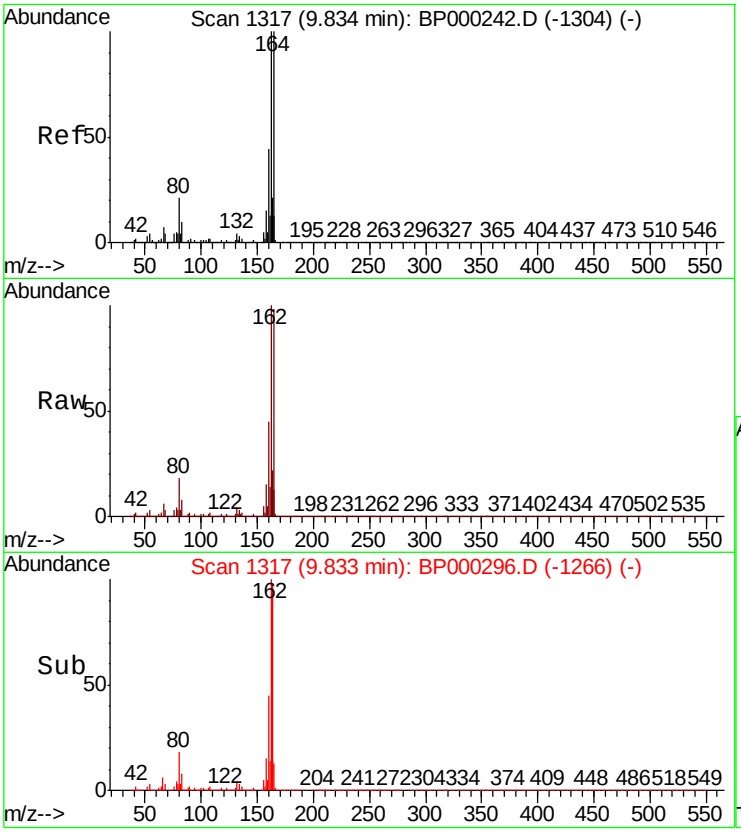


#23
Nitrobenzene-d5
Concen: 64.958 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion: 82 Resp: 1116734

Ion	Ratio	Lower	Upper
82	100		
128	48.1	40.7	61.1
54	38.4	30.1	45.1

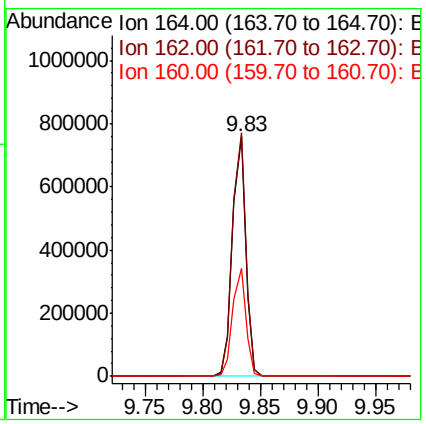




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:164 Resp: 609801

Ion	Ratio	Lower	Upper
164	100		
162	101.6	79.9	119.9
160	45.3	35.6	53.4



Instrument :
BNA_P
ClientSampleId :
SS-4

Manual Integrations APPROVED
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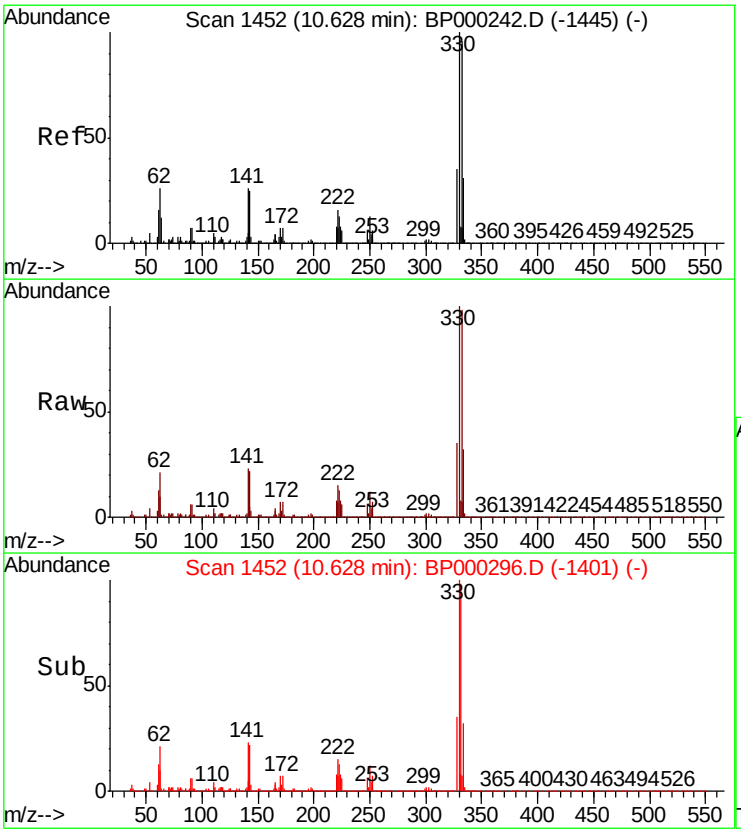
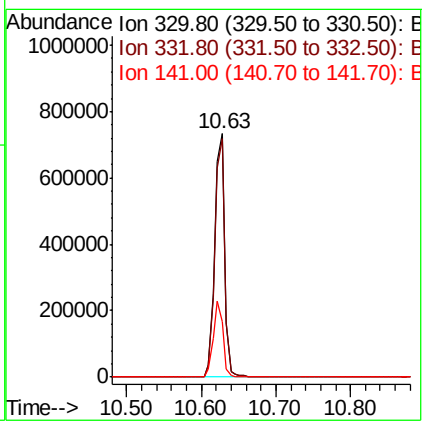
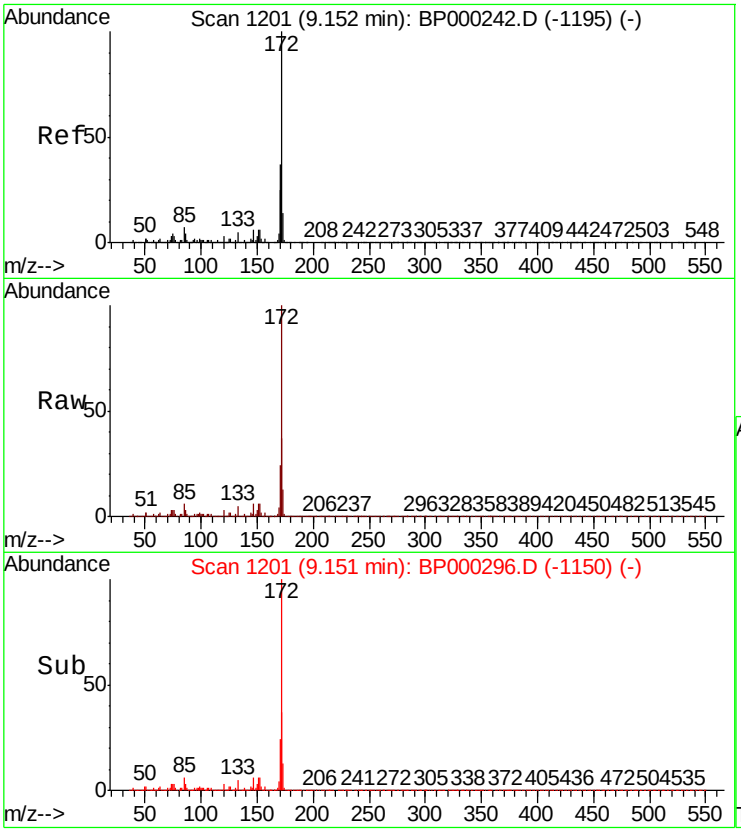


#42
2,4,6-Tribromophenol
Concen: 110.850 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:330 Resp: 670464

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	115.0
141	30.4	26.5	39.7

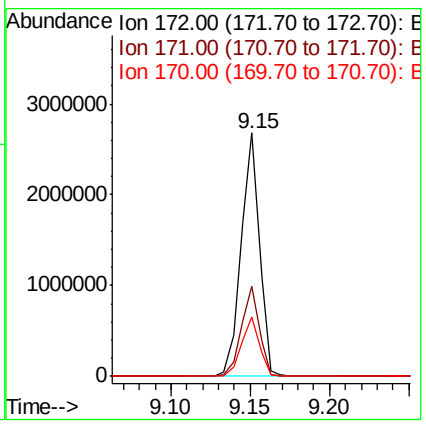




#45
2-Fluorobiphenyl
Concen: 63.393 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:172 Resp: 2147851

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.8	44.6
170	24.1	19.8	29.6



Instrument :
BNA_P
ClientSampleId :
SS-4

Manual Integrations APPROVED
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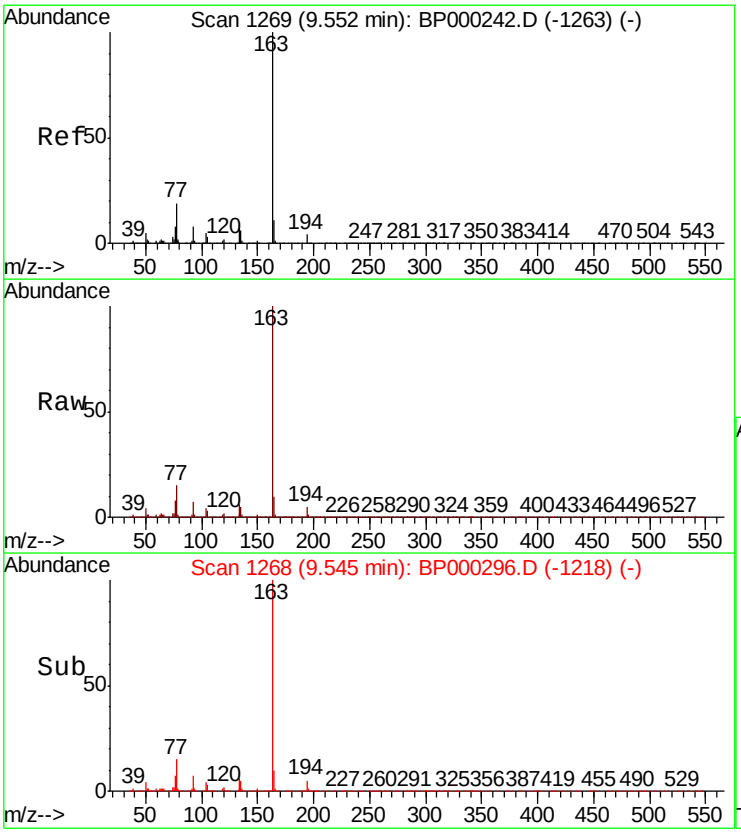
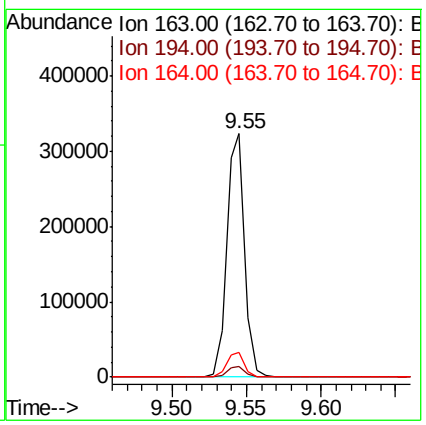
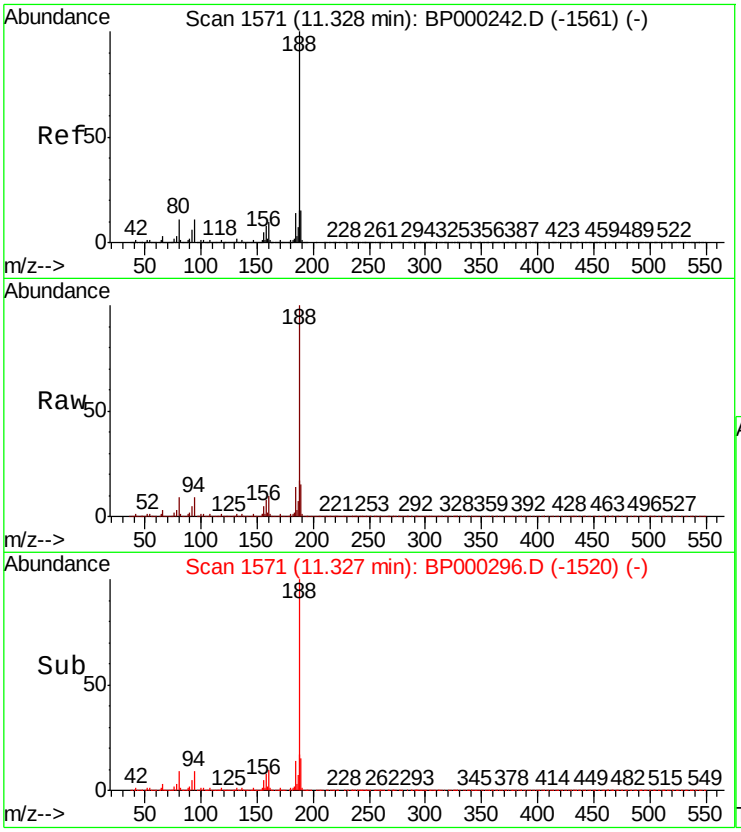


#50
Dimethylphthalate
Concen: 6.593 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:163 Resp: 273930

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	10.0	8.5	12.7

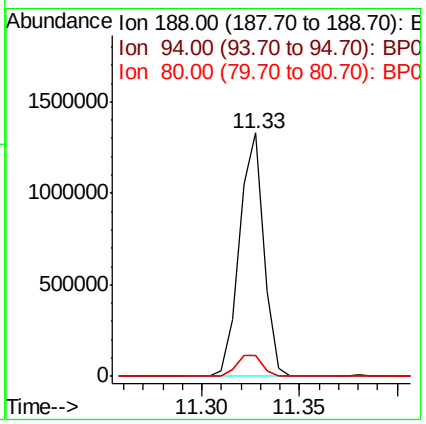




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:188 Resp: 1143318

Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	8.7	8.6	13.0



Instrument :
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ClientSampleId :
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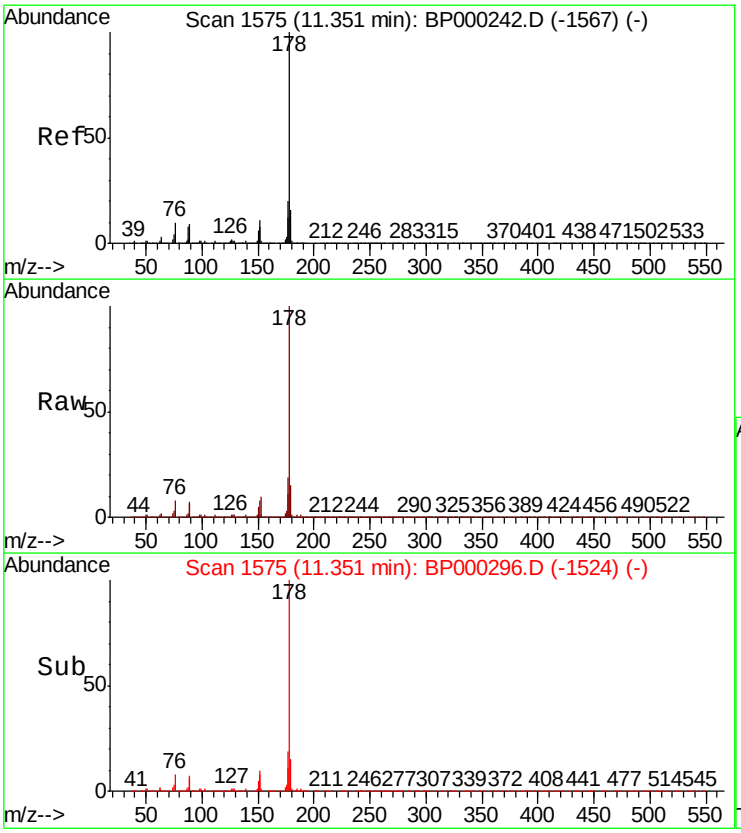
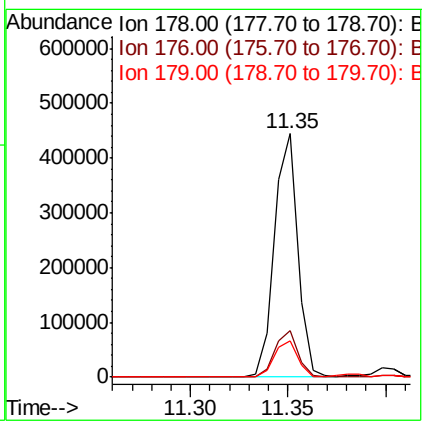
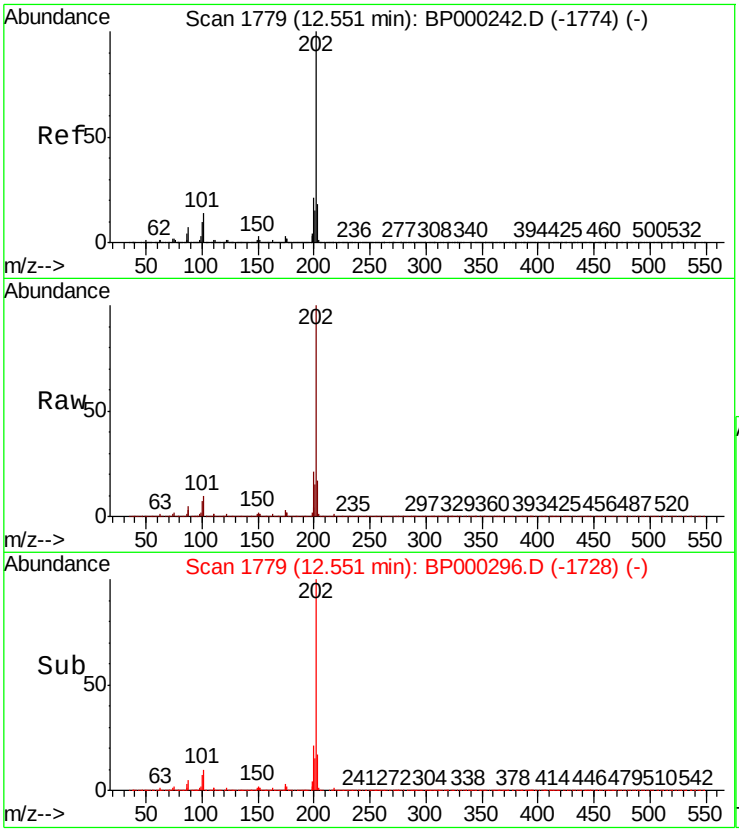


#71
Phenanthrene
Concen: 6.426 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:178 Resp: 368194

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.0	12.7	19.1

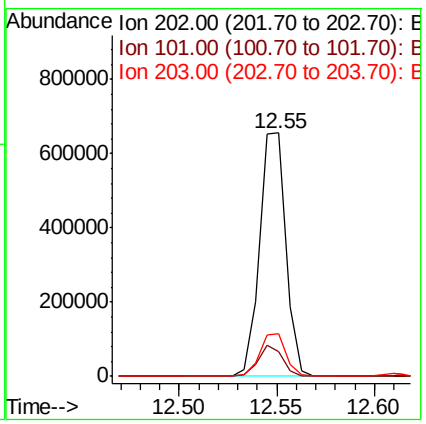




#75
Fluoranthene
Concen: 9.937 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.00 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:202 Resp: 611318

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	33.9
203	17.5	0.0	38.0



Instrument :
BNA_P
ClientSampleId :
SS-4

Manual Integrations APPROVED
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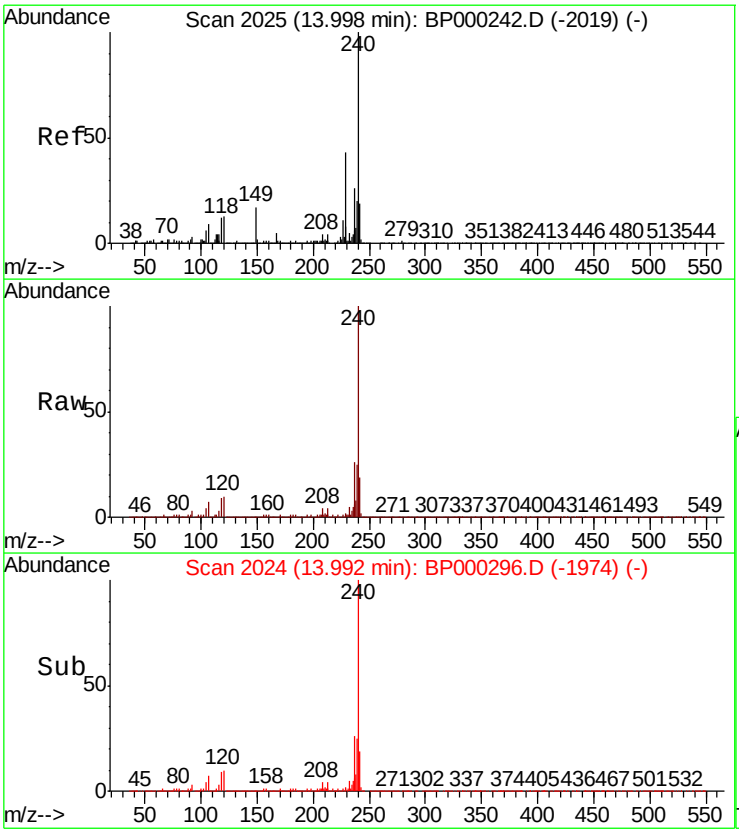
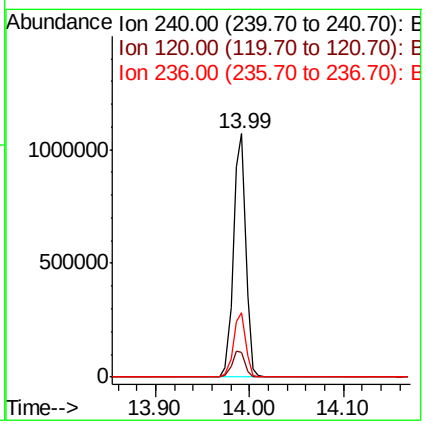
9/19/2019 11:06:59 AM

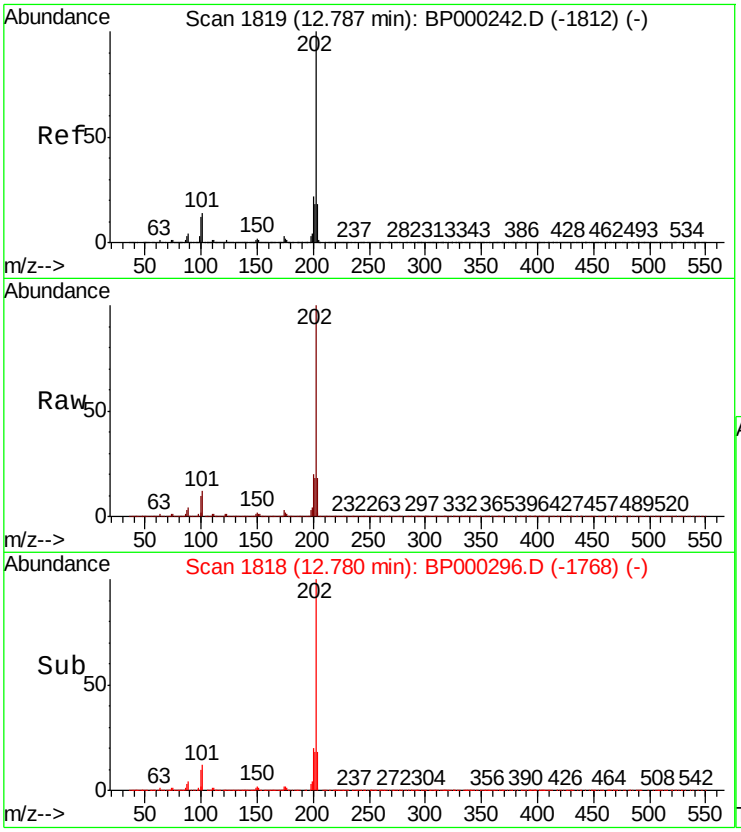


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:240 Resp: 973891

Ion	Ratio	Lower	Upper
240	100		
120	10.0	10.4	15.6#
236	26.4	21.0	31.6

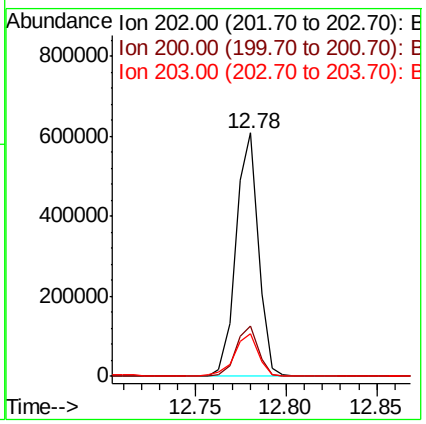




#78
Pyrene
Concen: 7.192 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

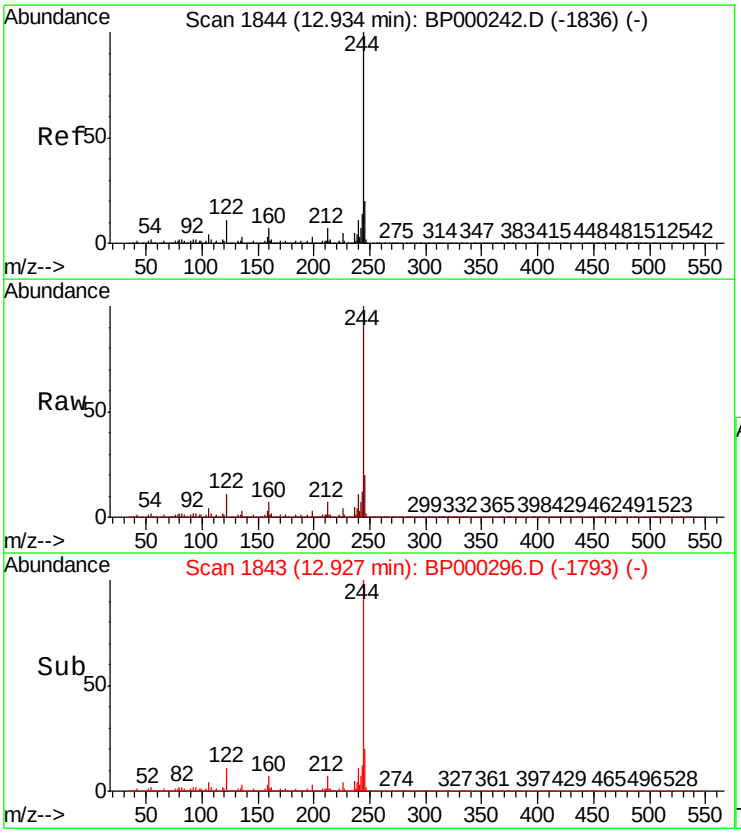
Tgt Ion:202 Resp: 524036

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.5	26.3
203	17.8	14.3	21.5



Instrument :
BNA_P
ClientSampleId :
SS-4

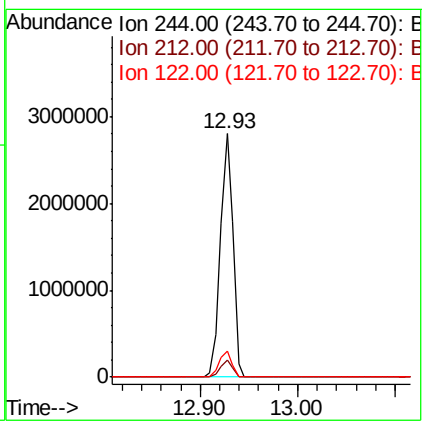
Manual Integrations APPROVED
Jagrut
9/19/2019 11:06:59 AM

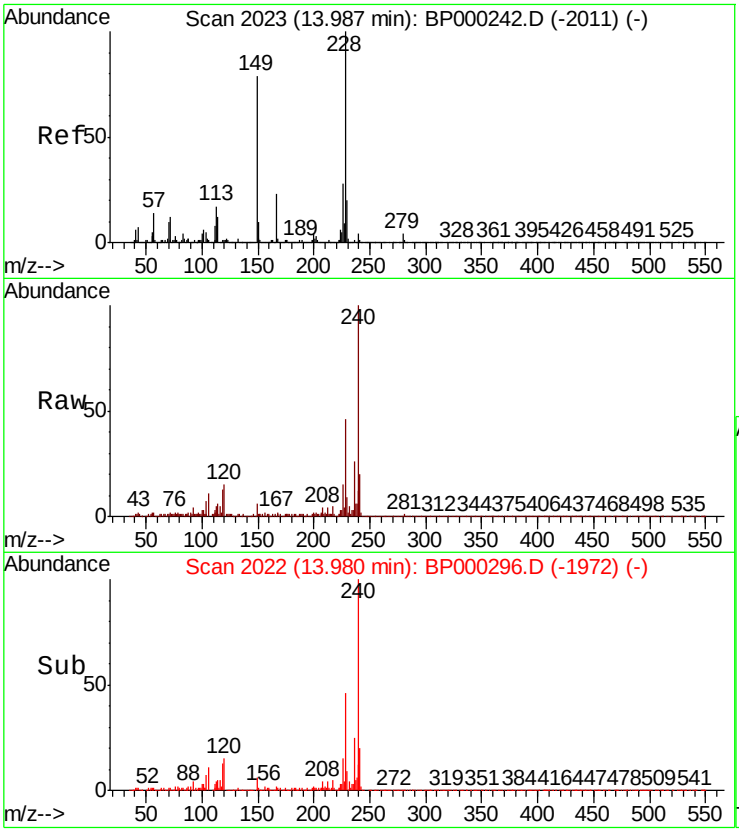


#79
Terphenyl-d14
Concen: 53.967 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:244 Resp: 2505313

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	10.8	9.0	13.4

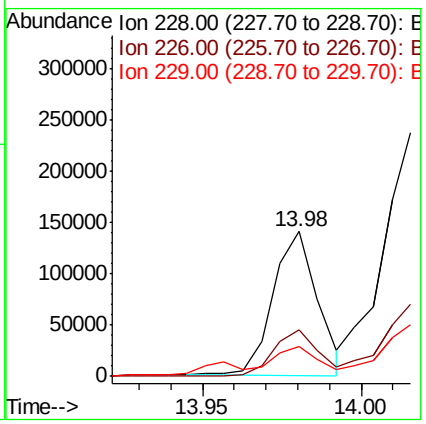




#81
Benzo(a)anthracene
Concen: 2.223 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:228 Resp: 136760

Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.2	33.4
229	20.7	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SS-4

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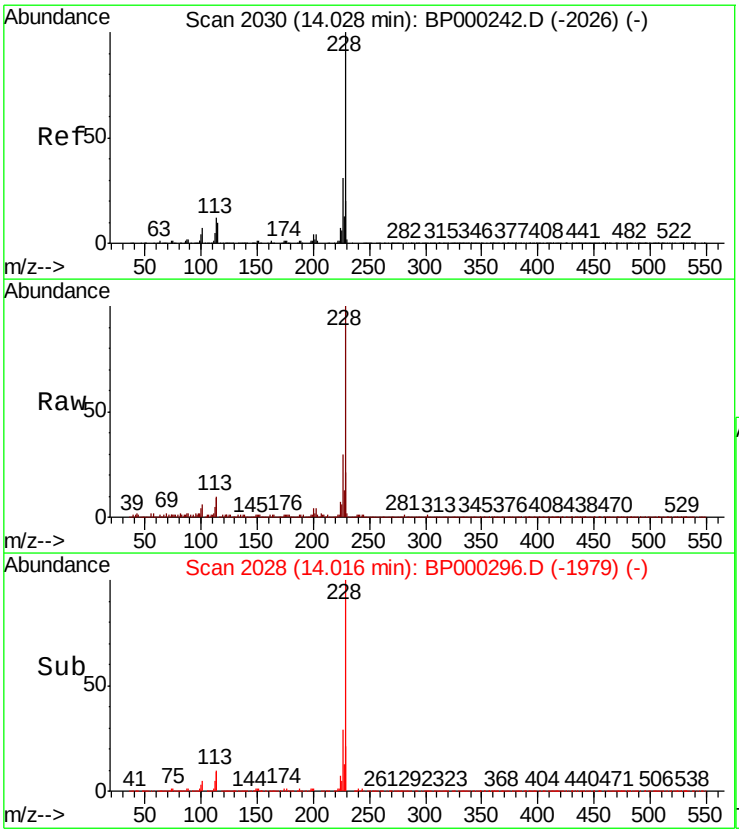
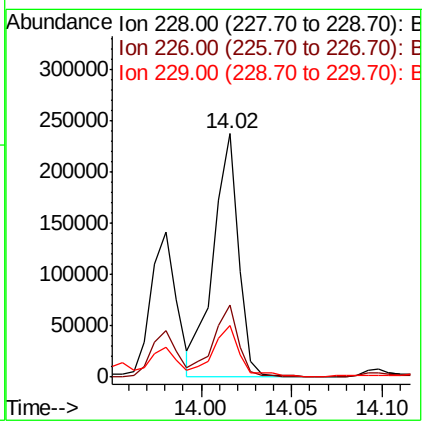
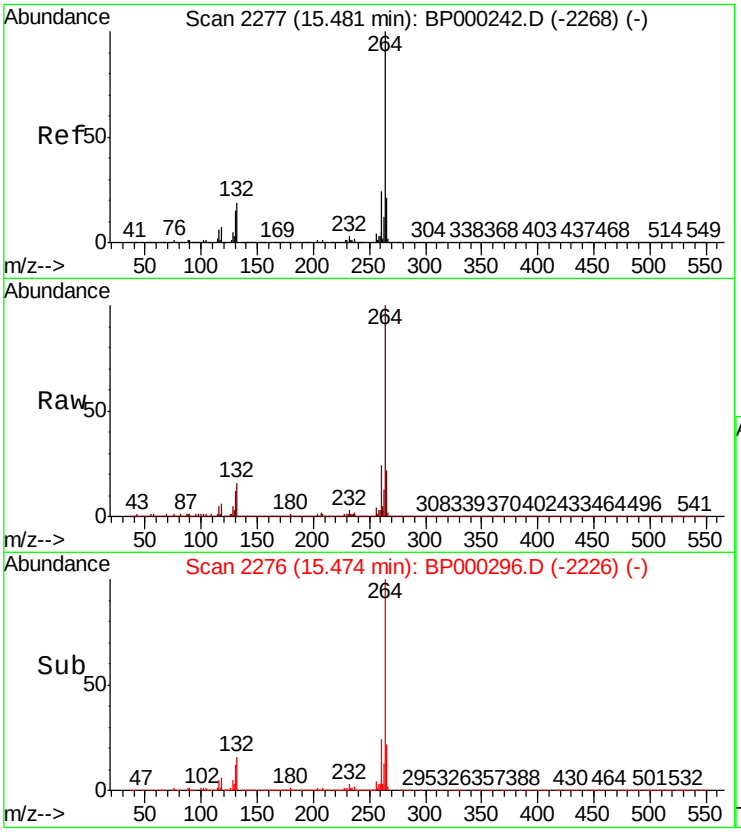


#83
Chrysene
Concen: 3.768 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:228 Resp: 227621

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.9	37.3
229	21.2	16.2	24.2

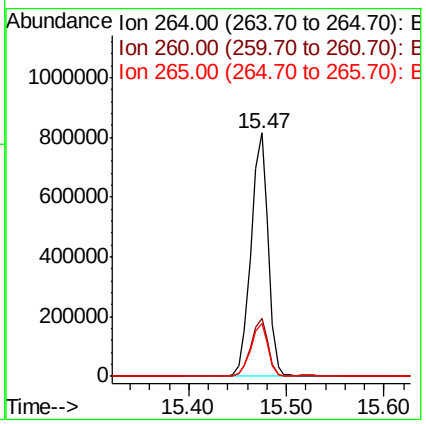




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

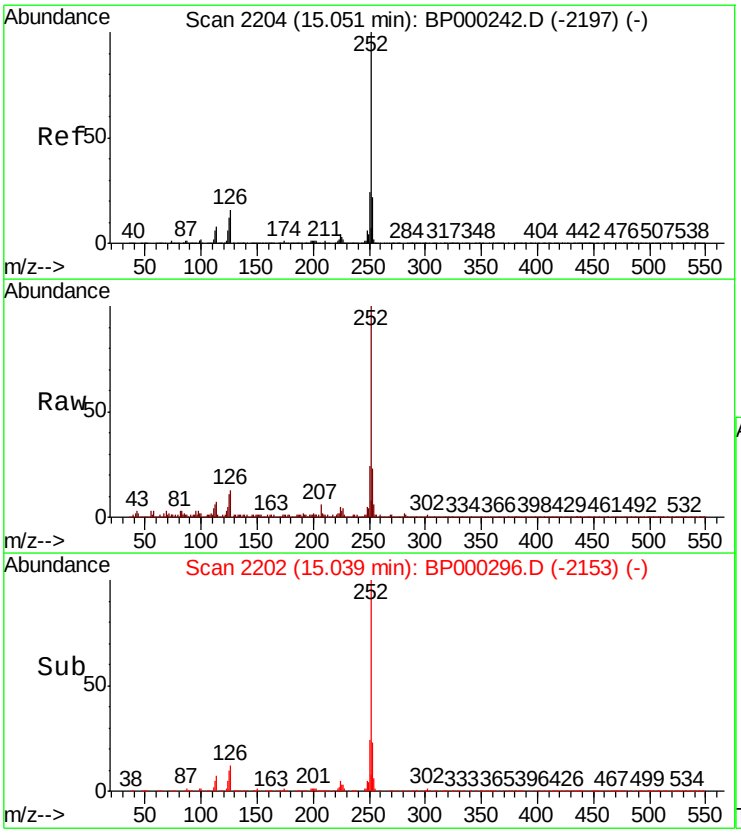
Tgt Ion:264 Resp: 1010107

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.8	17.2	25.8



Instrument :
BNA_P
ClientSampleId :
SS-4

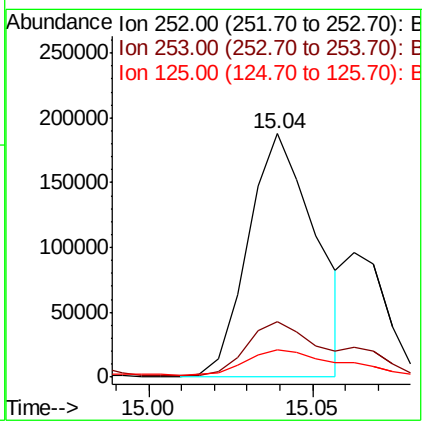
Manual Integrations APPROVED
Jagrut
9/19/2019 11:06:59 AM

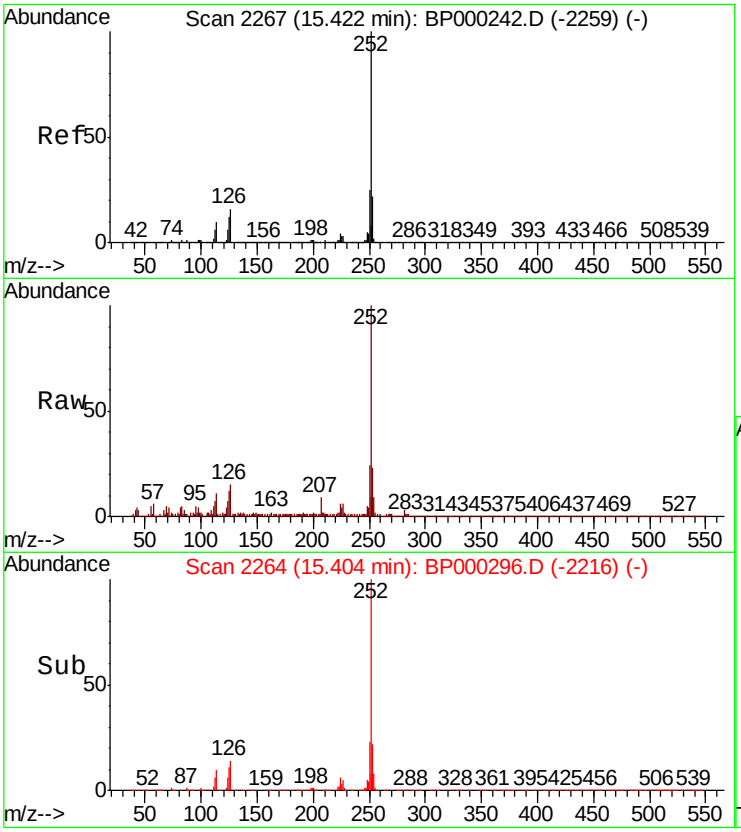


#88
Benzo(b)fluoranthene
Concen: 4.441 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:252 Resp: 267617

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	11.1	9.5	14.3





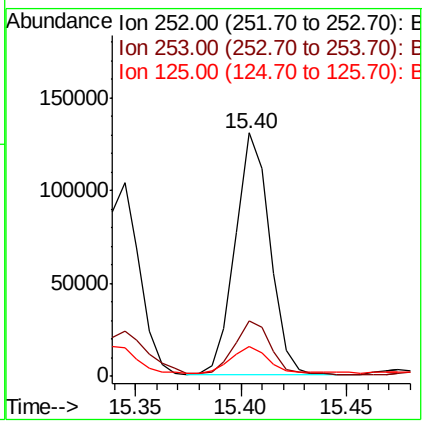
#90
Benzo(a)pyrene
Concen: 2.718 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

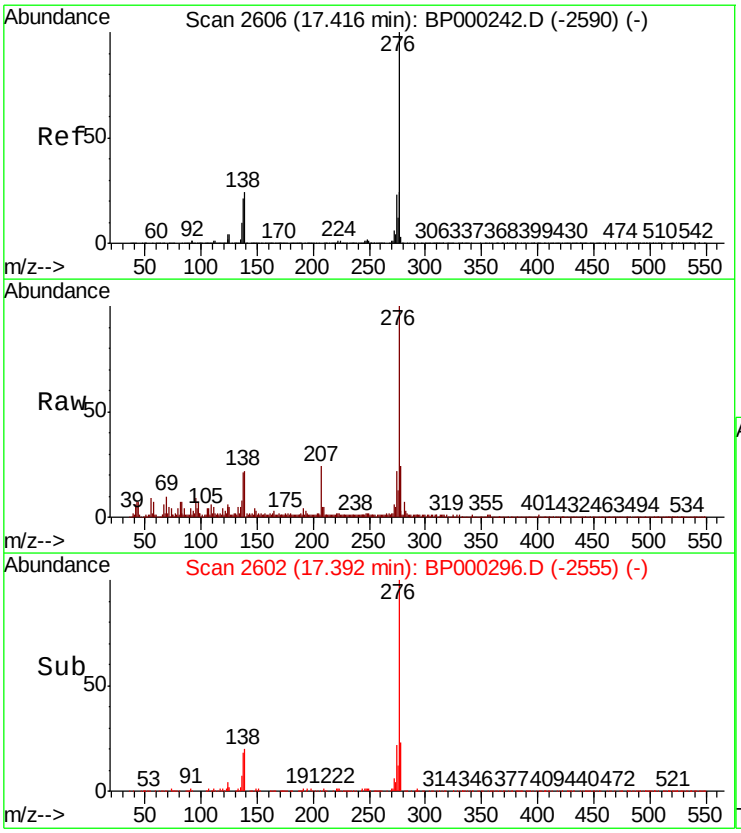
Tgt Ion:252 Resp: 149029

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	12.2	10.0	15.0

Instrument :
BNA_P
ClientSampleId :
SS-4

Manual Integrations APPROVED
Jagrut
9/19/2019 11:06:59 AM





#92
Benzo(g,h,i)perylene
Concen: 2.021 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.02 min
Lab File: BP000296.D
Acq: 18 Sep 2019 14:48

Tgt Ion:276 Resp: 106210

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.1	28.7
138	21.6	19.5	29.3