

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101419\
 Data File : BP000707.D
 Acq On : 14 Oct 2019 13:52
 Operator : JU
 Sample : K5348-03RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 20190827-COMPOSITE-CRE

Manual Integrations
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mohammad
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Quant Time: Oct 15 04:09:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	205074	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	744922	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	407245	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	745147	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	646671	20.00	ng	-0.01
87) Perylene-d12	15.45	264	766635	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	176418	13.83	ng	-0.02
7) Phenol-d6	6.39	99	1302643	84.73	ng	-0.02
23) Nitrobenzene-d5	7.31	82	846535	69.41	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	10240	2.36	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1500341	59.61	ng	-0.02
79) Terphenyl-d14	12.90	244	1750635	54.81	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	46387	5.793	ng	98
10) Phenol	6.40	94	73595	4.675	ng	94
49) Acenaphthylene	9.66	152	73047	2.037	ng	99
50) Dimethylphthalate	9.51	163	307896	10.881	ng	99
71) Phenanthrene	11.32	178	131534	3.515	ng	99
72) Anthracene	11.37	178	91348	2.462	ng	99
75) Fluoranthene	12.52	202	511969	12.181	ng	99
78) Pyrene	12.75	202	502063	11.257	ng	99
81) Benzo(a)anthracene	13.96	228	304151m	7.709	ng	
83) Chrysene	14.00	228	299299	7.729	ng	98
84) Bis(2-ethylhexyl)phthalate	13.96	149	142011	5.810	ng	98
86) Indeno(1,2,3-cd)pyrene	16.92	276	207856	4.297	ng	95
88) Benzo(b)fluoranthene	15.02	252	414122m	9.522	ng	
89) Benzo(k)fluoranthene	15.05	252	128273m	3.098	ng	
90) Benzo(a)pyrene	15.39	252	333700	8.231	ng	# 95
92) Benzo(g,h,i)perylene	17.36	276	215948	5.404	ng	99

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

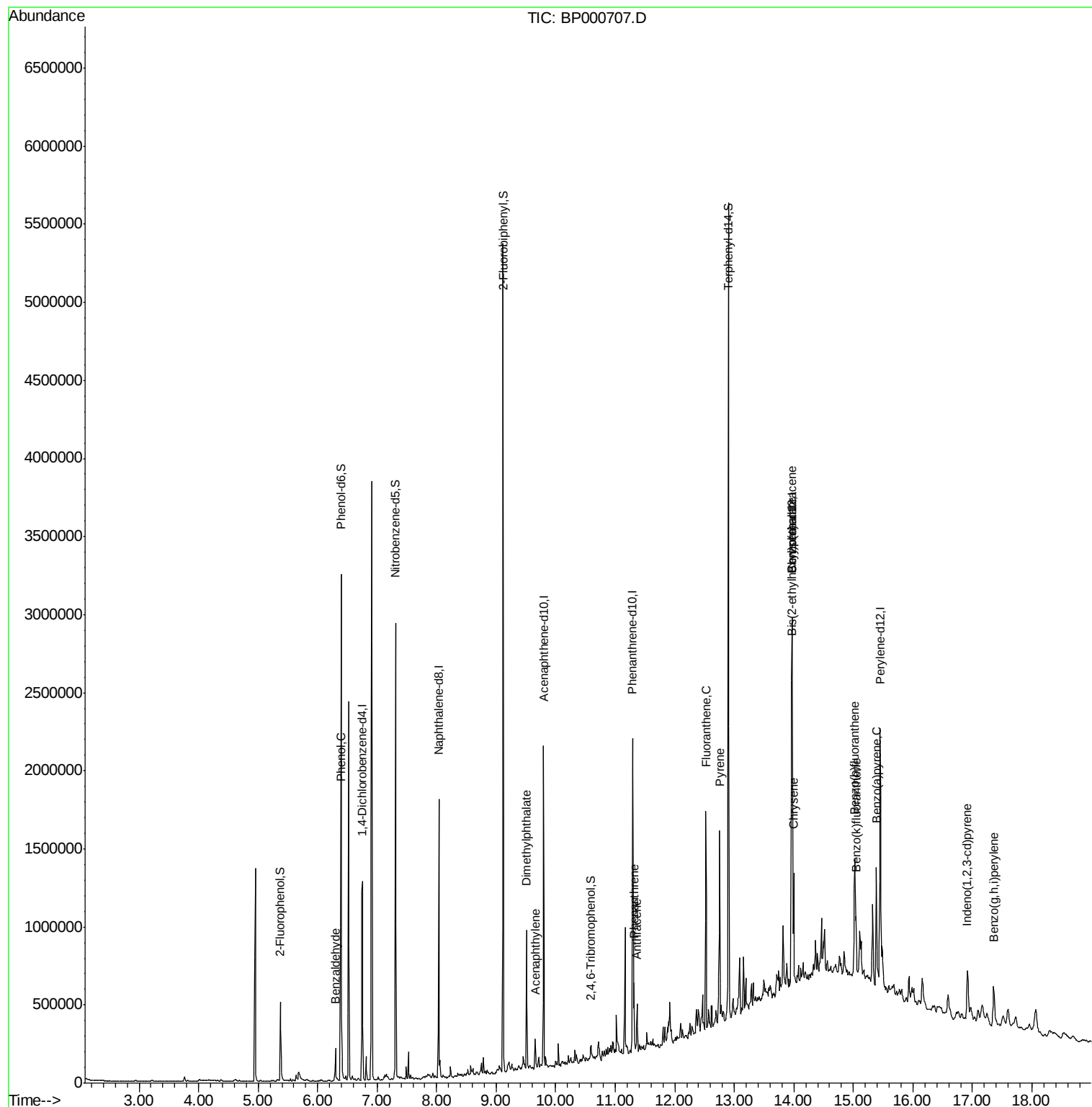
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101419\
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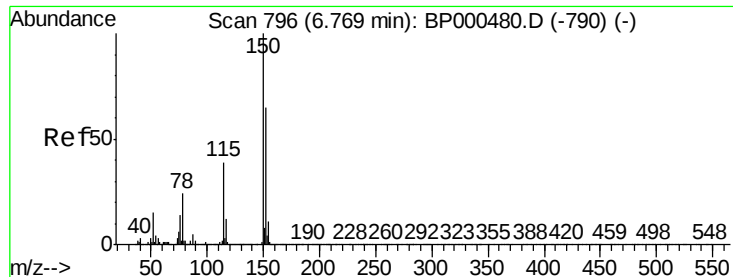
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

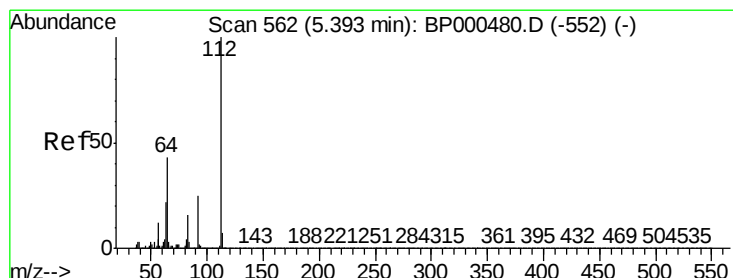
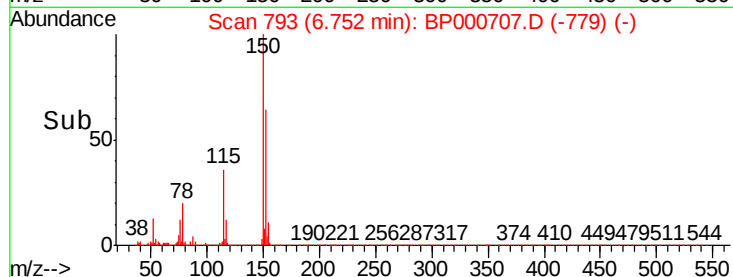
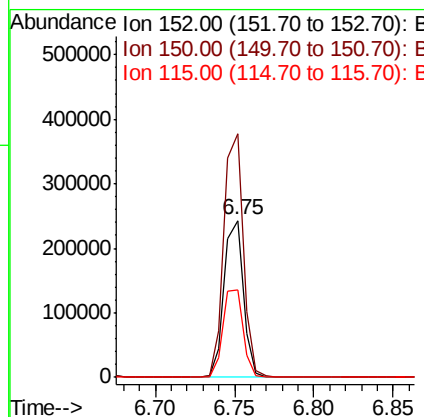
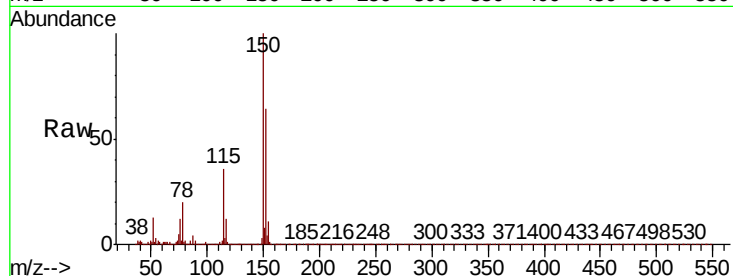
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Instrument :
BNA_P
ClientSampleId :
20190827-COMPOSITE-CRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.1	186.1
115	56.1	48.7	73.1

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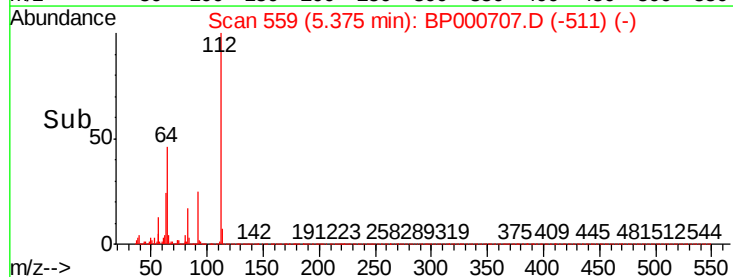
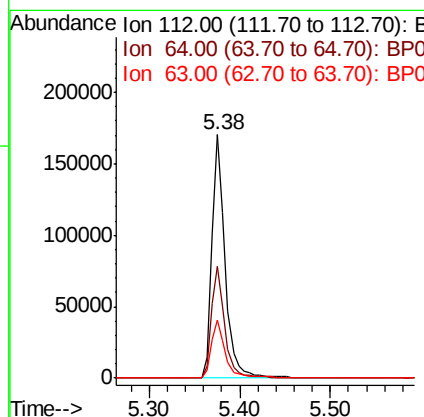
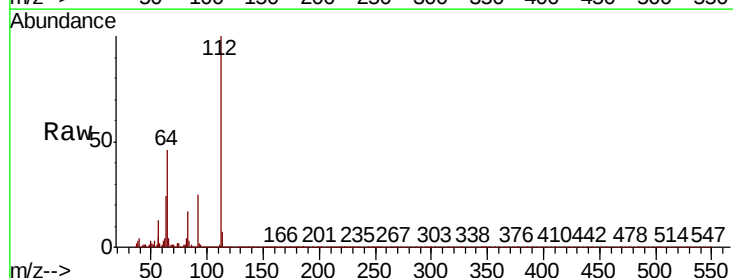
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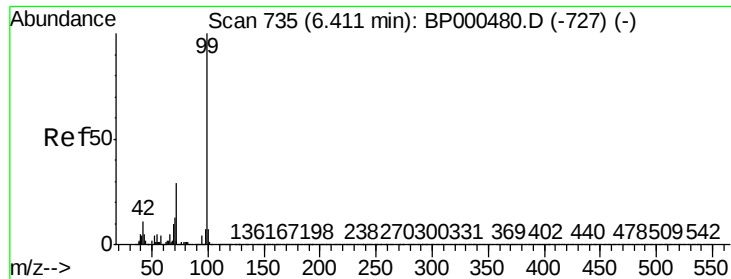


#5

2-Fluorophenol
Concen: 13.828 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.9	34.2	51.4
63	23.8	17.9	26.9





#7

Phenol-d6

Concen: 84.732 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Instrument :

BNA_P

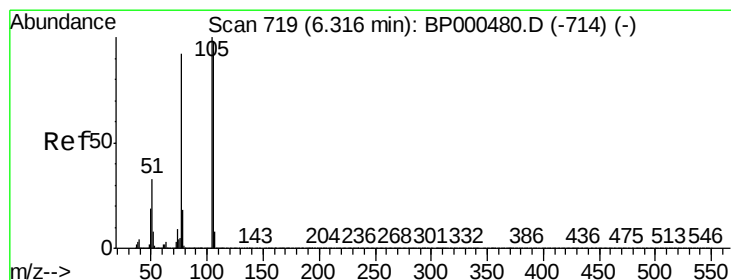
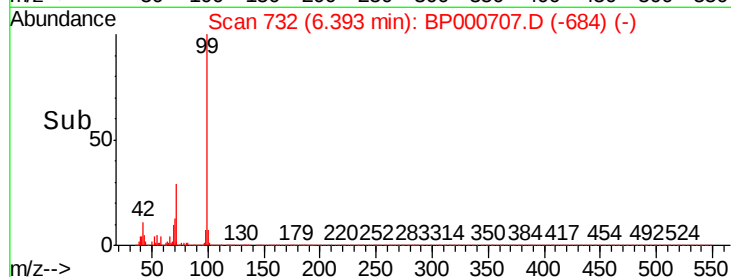
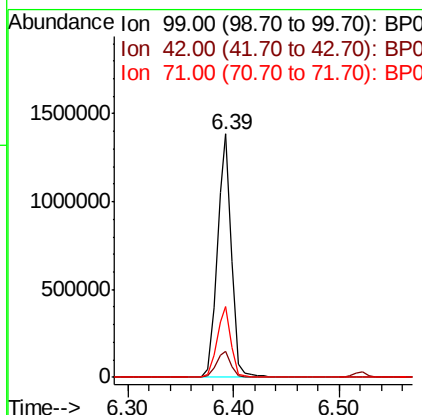
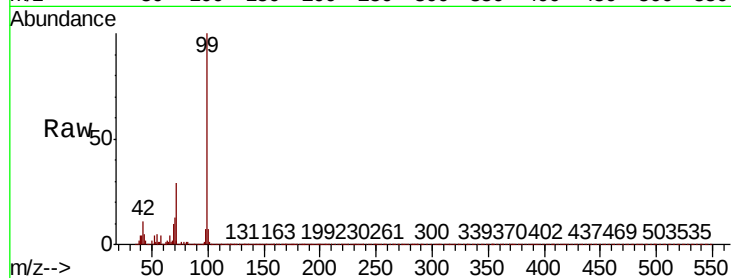
ClientSampleId :

20190827-COMPOSITE-CRE

Tot Ion:	99	Resp:	1302643
Ion	Ratio	Lower	Upper
99	100		
42	10.8	8.6	12.8
71	28.9	23.0	34.4

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#9

Benzaldehyde

Concen: 5.793 ng

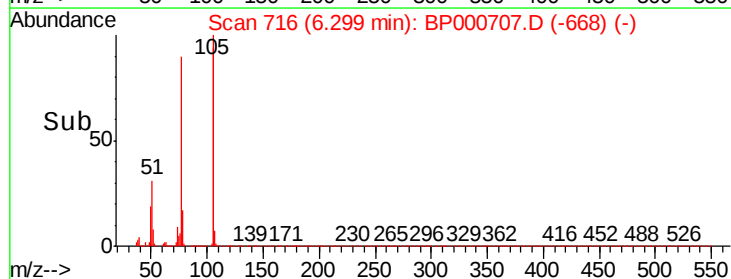
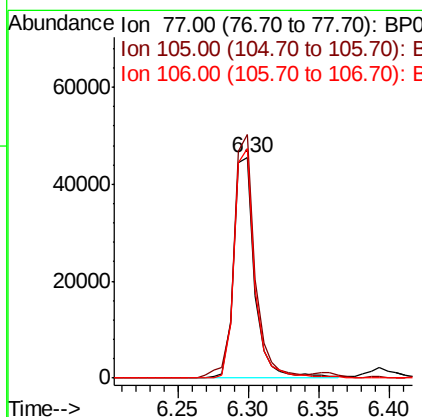
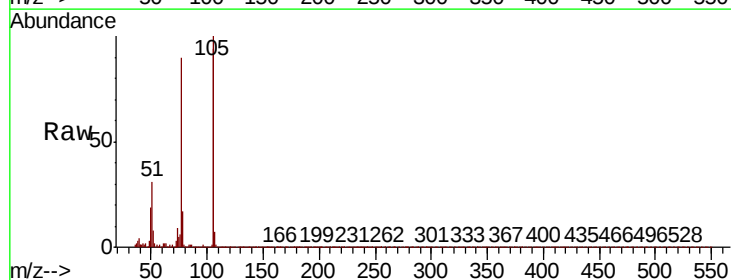
RT: 6.30 min Scan# 716

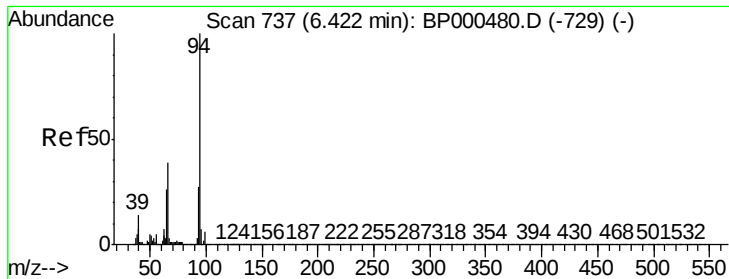
Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Tgt Ion:	77	Resp:	46387
Ion	Ratio	Lower	Upper
77	100		
105	110.6	88.3	128.3
106	104.3	85.7	125.7





#10

Phenol

Concen: 4.675 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Instrument :

BNA_P

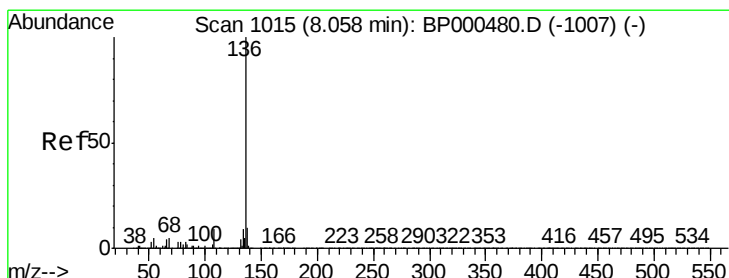
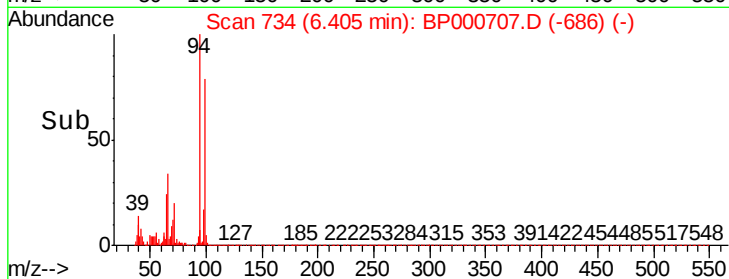
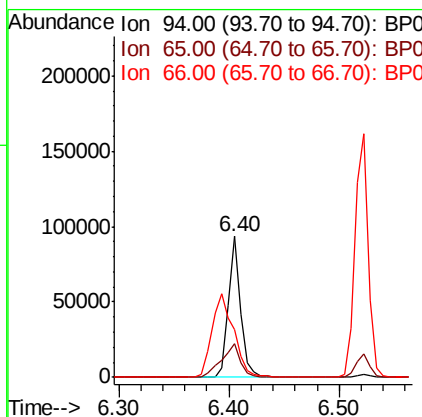
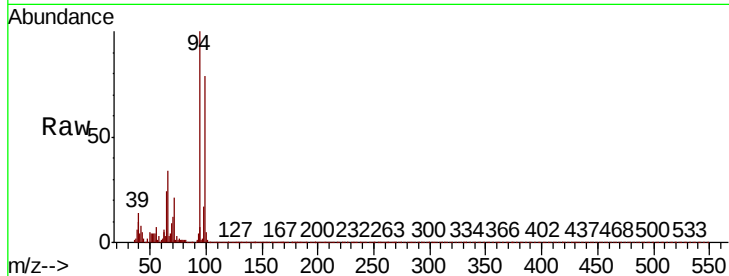
ClientSampleId :

20190827-COMPOSITE-CRE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
94	100		73595		
65	23.9	5.9	45.9		
66	33.9	18.8	58.8		

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#21

Naphthalene-d8

Concen: 20.000 ng

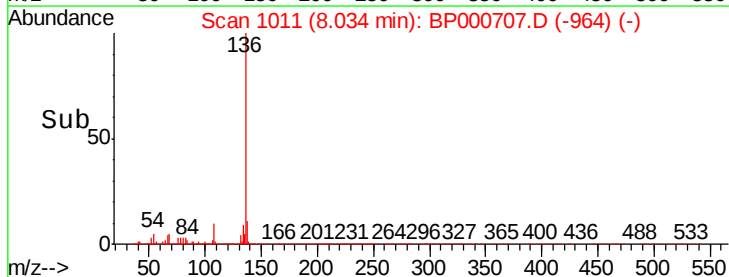
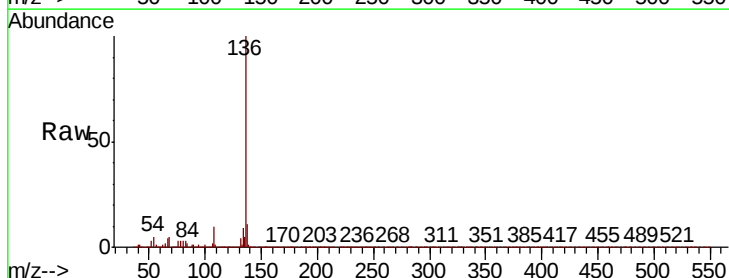
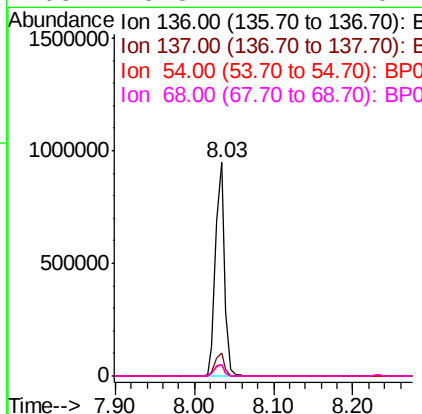
RT: 8.03 min Scan# 1011

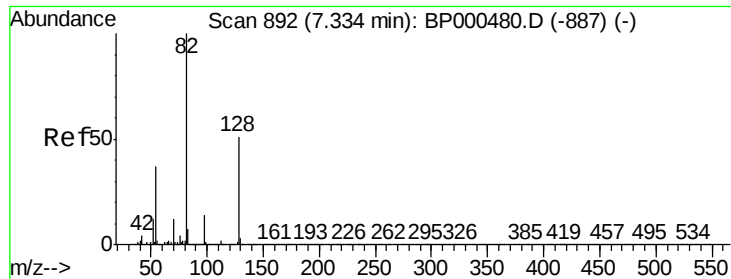
Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		744922		
137	10.7	8.2	12.4		
54	5.4	4.1	6.1		
68	5.3	4.1	6.1		





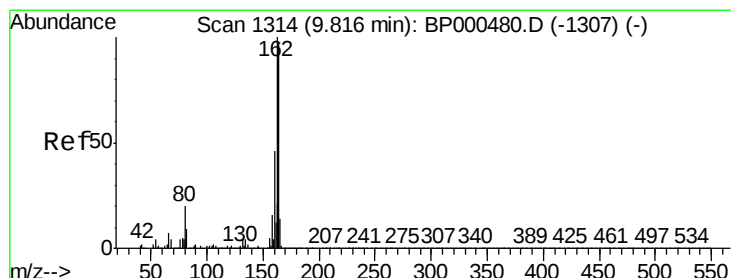
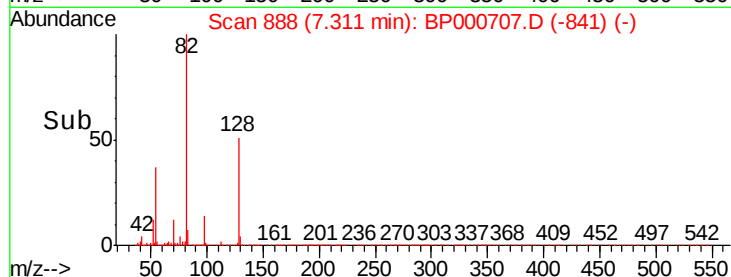
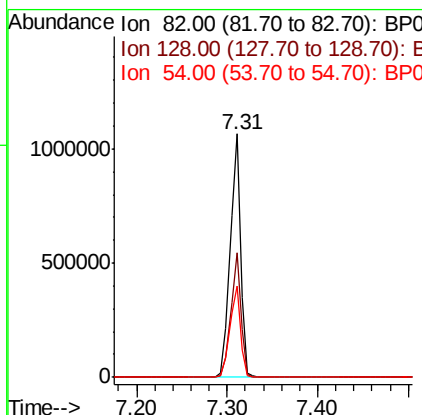
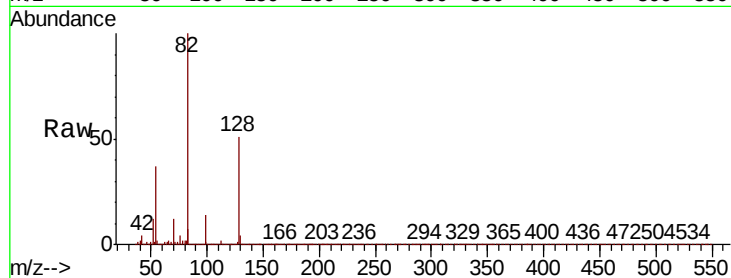
#23
Nitrobenzene-d5
Concen: 69.406 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Instrument :
BNA_P
ClientSampleId :
20190827-COMPOSITE-CRE

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.3	40.9	61.3
54	37.3	29.4	44.2

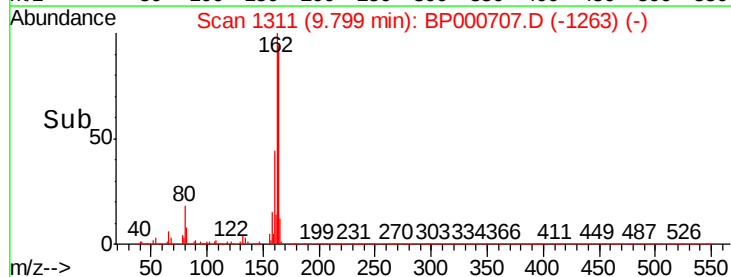
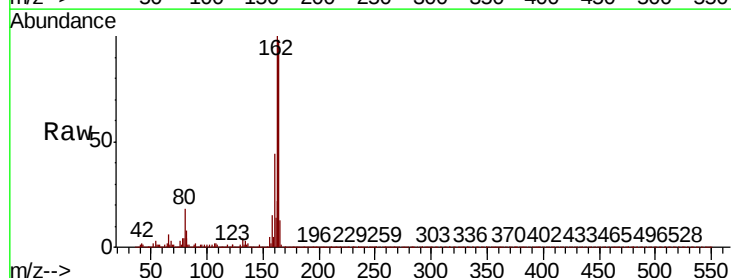
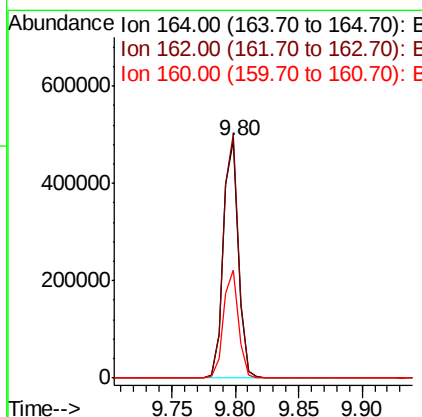
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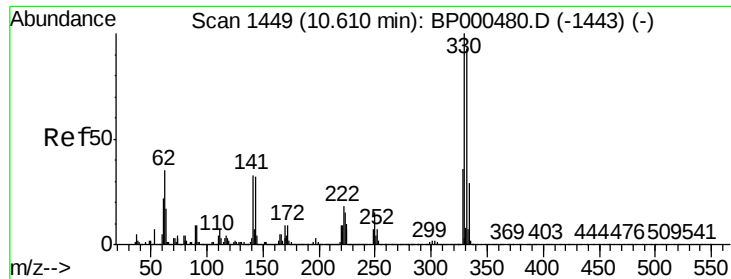
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.2	123.2
160	45.3	37.6	56.4





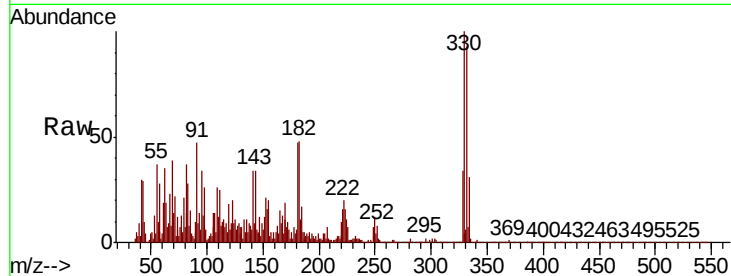
#42
2,4,6-Tribromophenol
Concen: 2.360 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Instrument :
BNA_P
ClientSampleId :
20190827-COMPOSITE-CRE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.1	115.7
141	34.2	26.0	39.0

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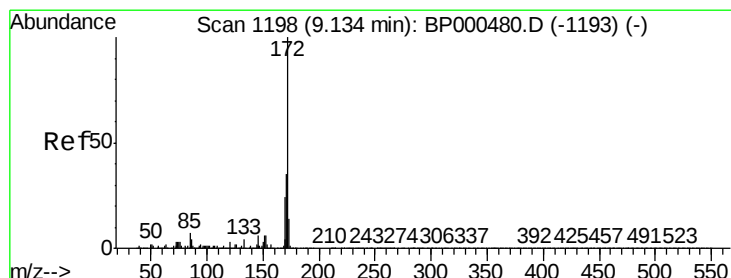
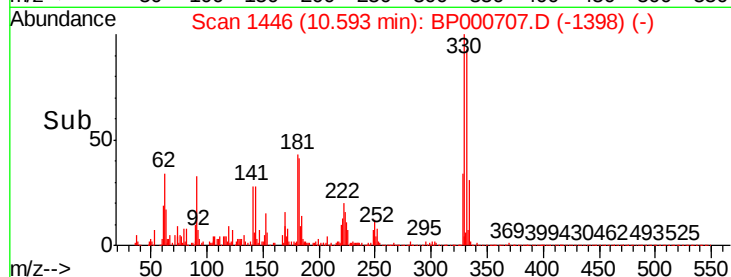
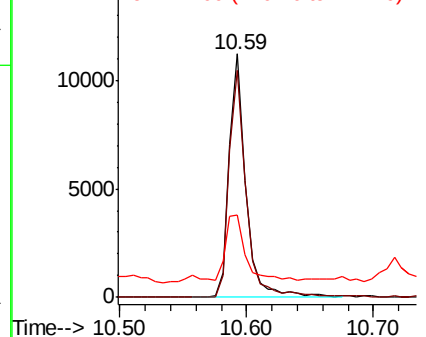


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 59.609 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

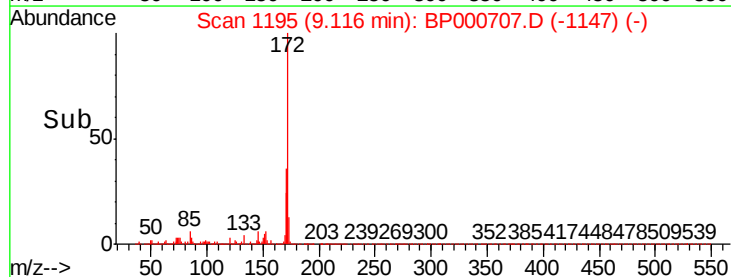
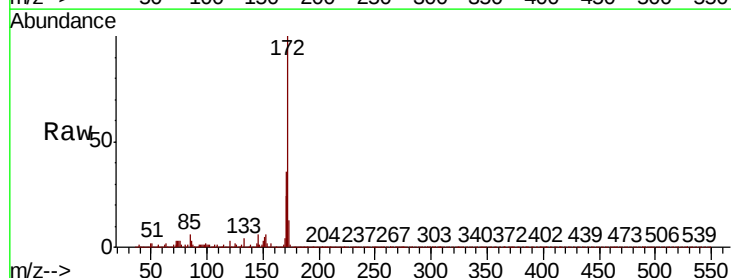
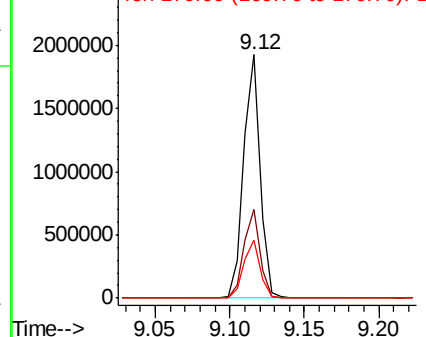
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.4	42.6
170	24.0	19.1	28.7

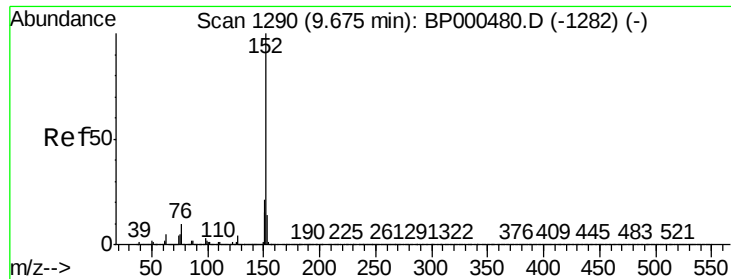
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





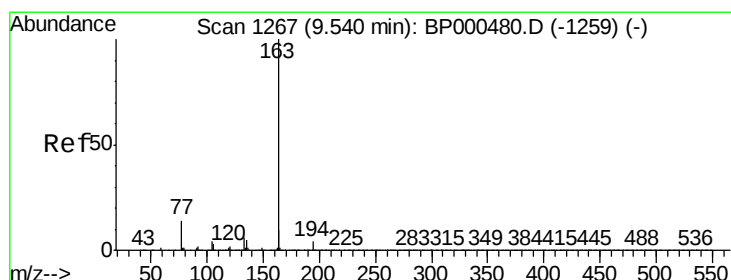
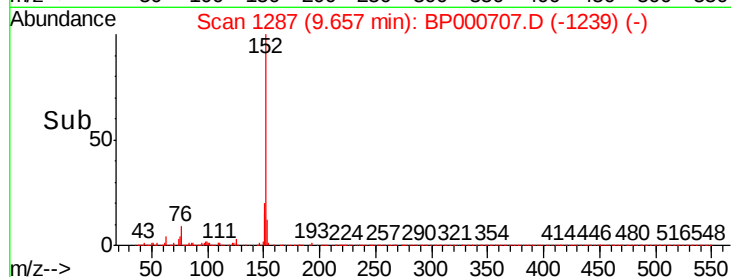
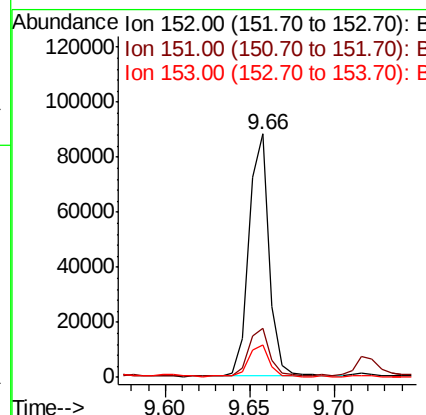
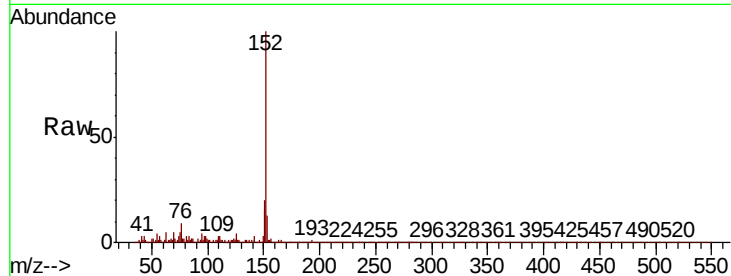
#49
Acenaphthylene
Concen: 2.037 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Instrument :
BNA_P
ClientSampleId :
20190827-COMPOSITE-CRE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		73047		
151	20.2	16.6	25.0		
153	13.3	11.0	16.6		

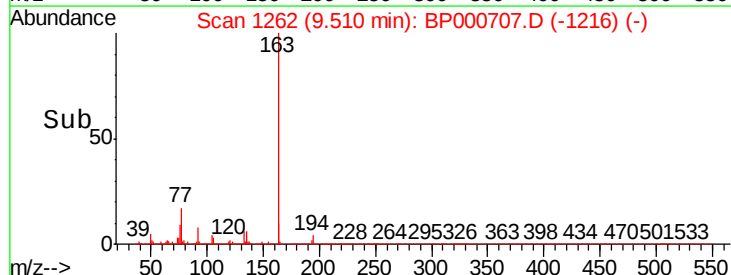
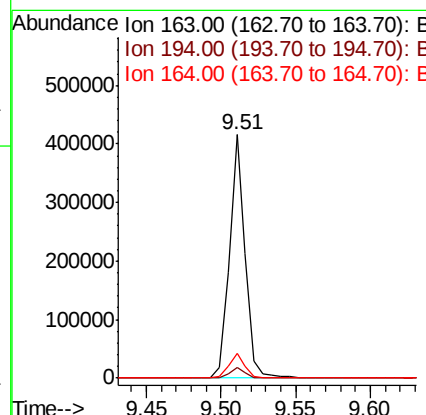
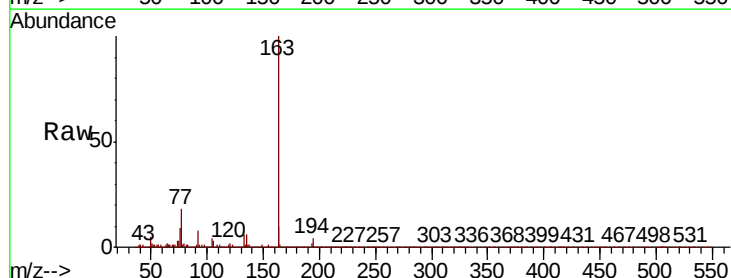
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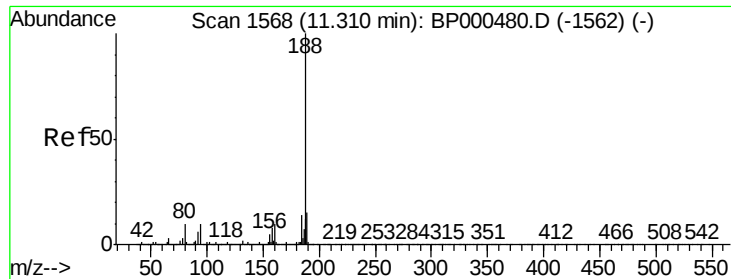
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#50
Dimethylphthalate
Concen: 10.881 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		307896		
194	4.4	3.4	5.2		
164	10.2	8.0	12.0		





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Instrument :

BNA_P

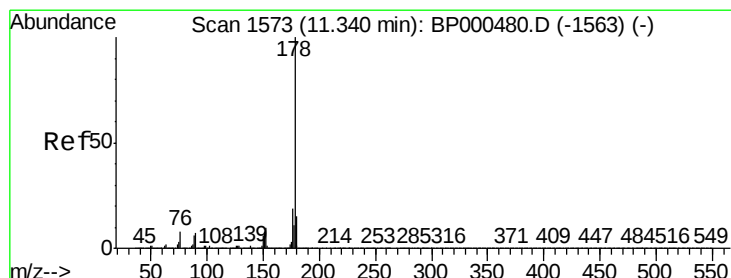
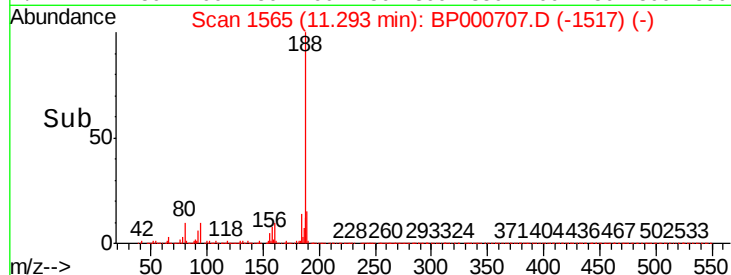
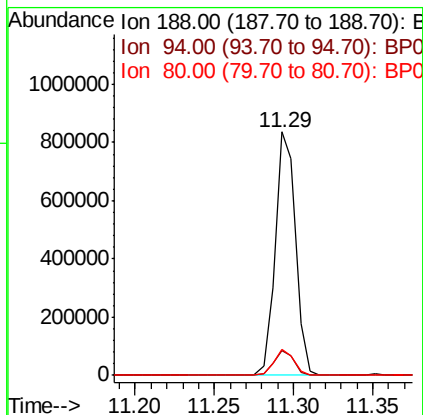
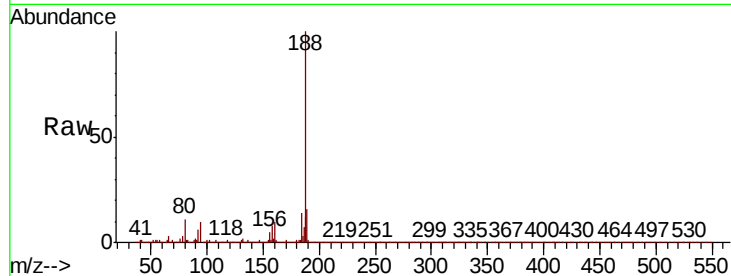
ClientSampleId :

20190827-COMPOSITE-CRE

Tot Ion:	188	Resp:	745147
Ion Ratio	Lower	Upper	
188	100		
94	10.4	8.2	12.2
80	10.5	8.3	12.5

Manual Integrations
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#71

Phenanthrene

Concen: 3.515 ng

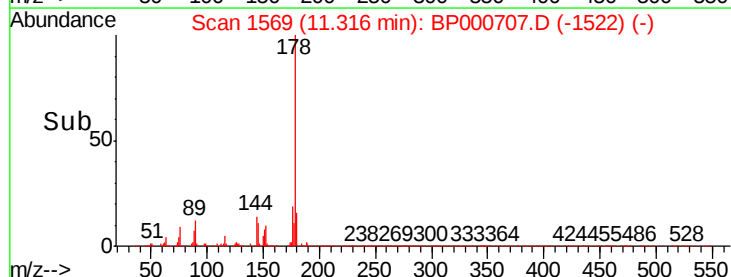
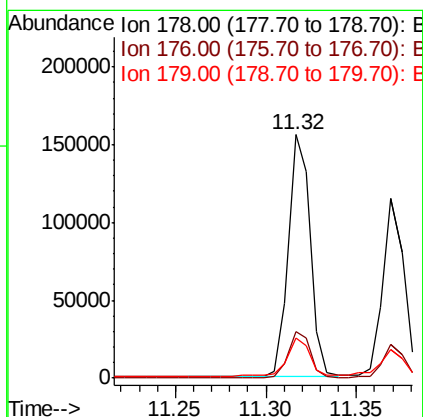
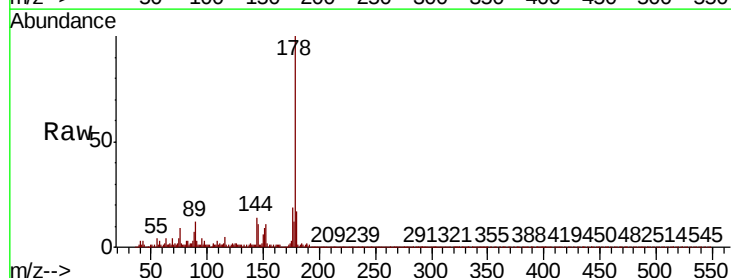
RT: 11.32 min Scan# 1569

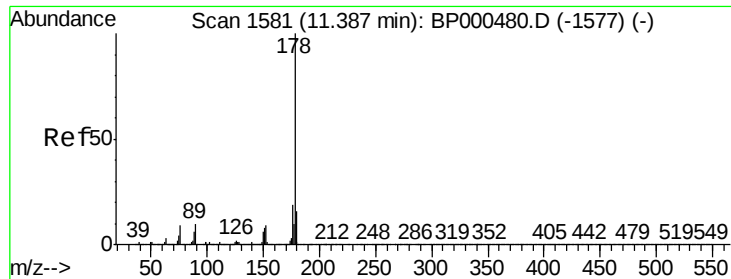
Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Tgt Ion:	178	Resp:	131534
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.4	23.2
179	16.6	12.2	18.4





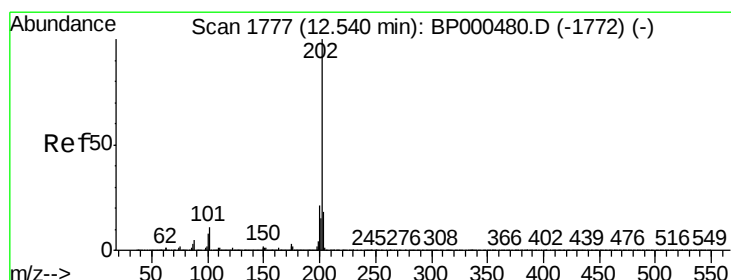
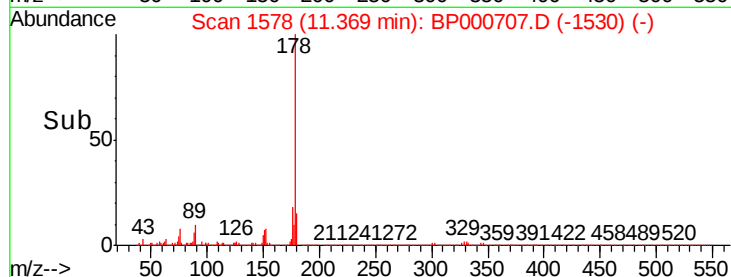
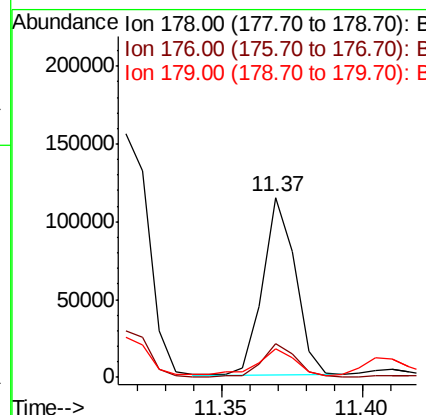
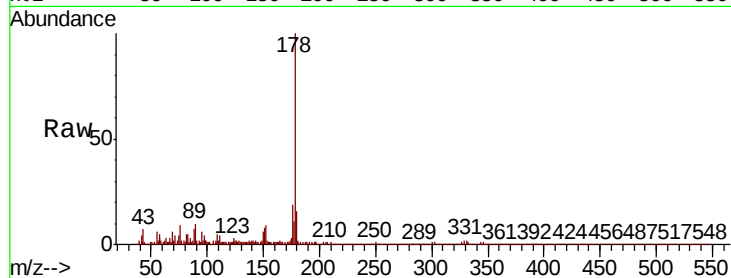
#72
 Anthracene
 Concen: 2.462 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: BP000707.D
 Acq: 14 Oct 2019 13:52

Instrument :
 BNA_P
 ClientSampleId :
 20190827-COMPOSITE-CRE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		91348		
176	18.5	15.4	23.0		
179	16.1	12.6	19.0		

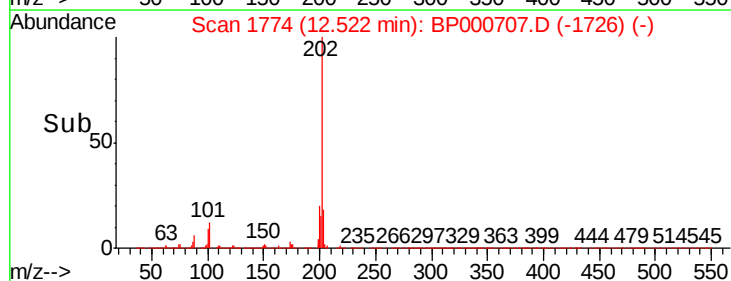
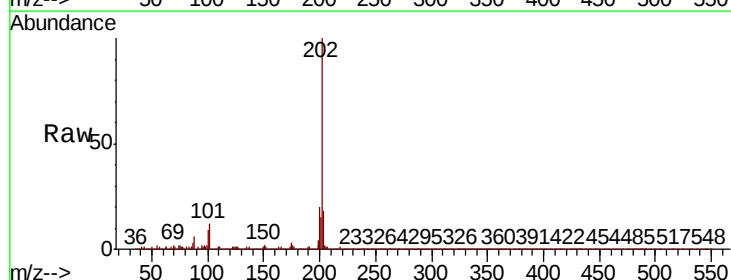
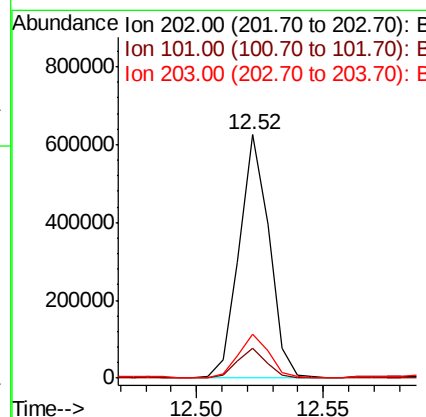
Manual Integrations
 APPROVED

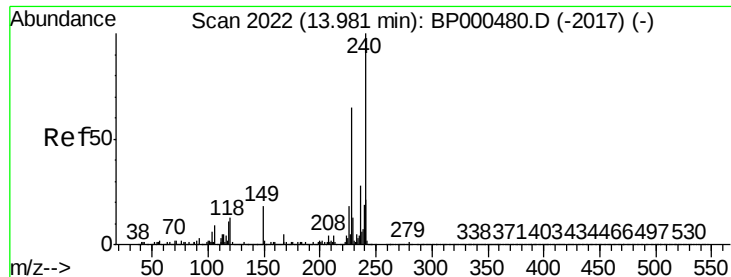
mohammad
 10/16/2019 8:11:11 AM



#75
 Fluoranthene
 Concen: 12.181 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. -0.02 min
 Lab File: BP000707.D
 Acq: 14 Oct 2019 13:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		511969		
101	12.1	0.0	31.3		
203	17.9	0.0	38.1		





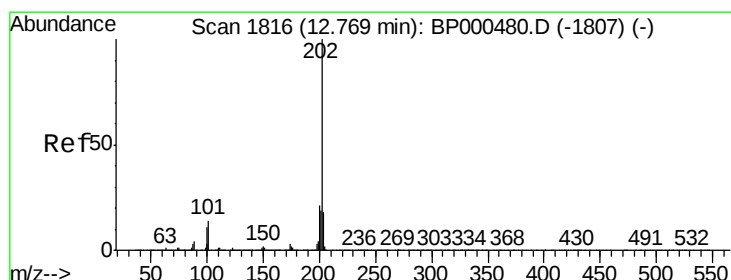
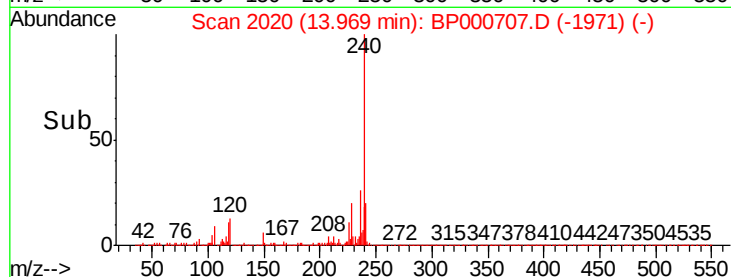
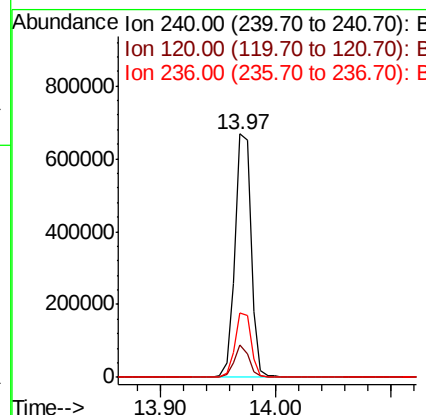
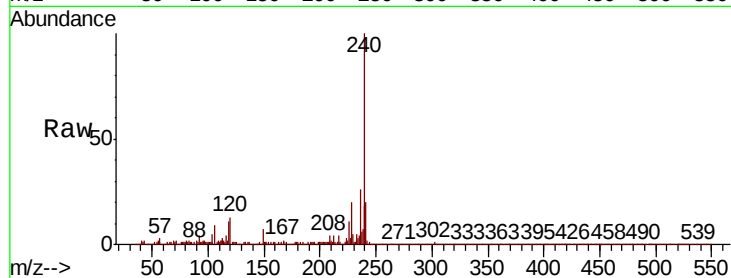
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Instrument :
BNA_P
ClientSampleId :
20190827-COMPOSITE-CRE

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	10.1	15.1
236	26.2	22.7	34.1

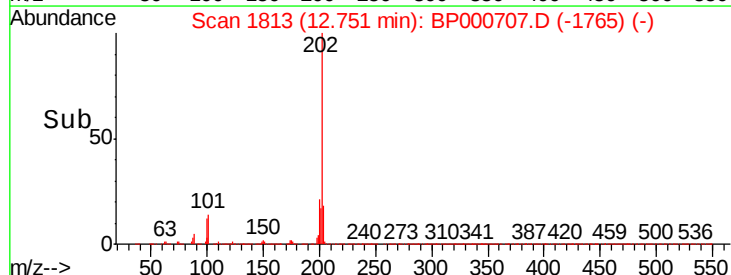
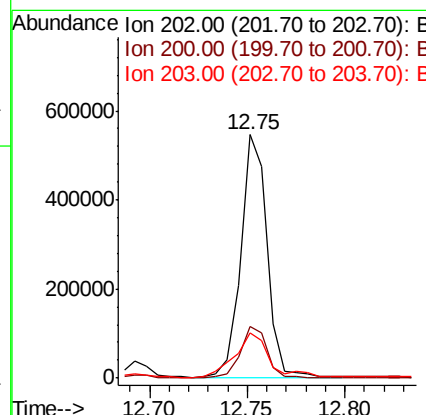
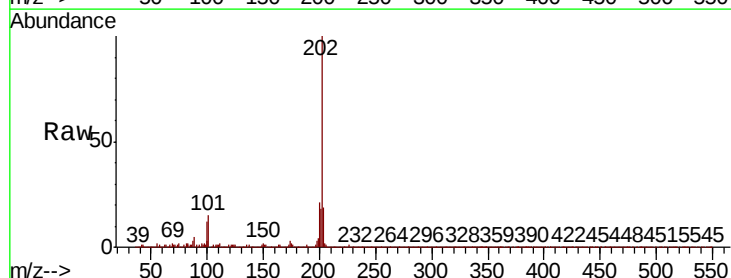
Manual Integrations
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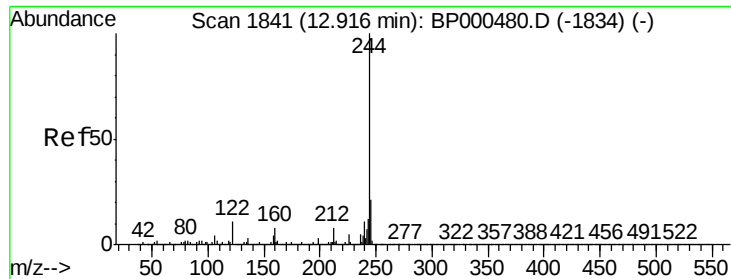
mohammad
10/16/2019 8:11:11 AM



#78
Pyrene
Concen: 11.257 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	18.5	14.6	21.8





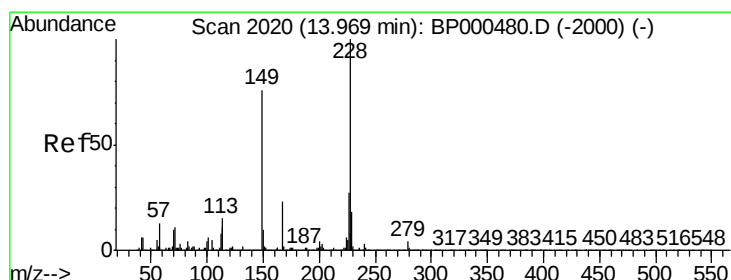
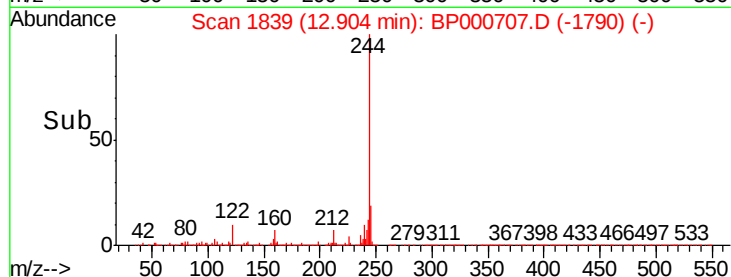
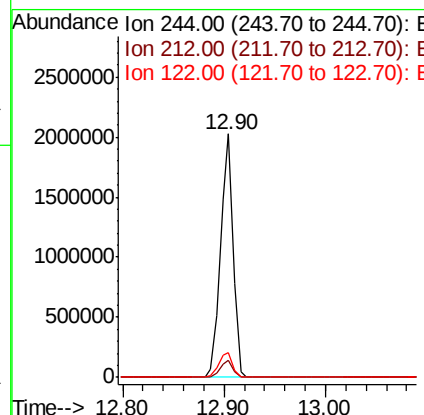
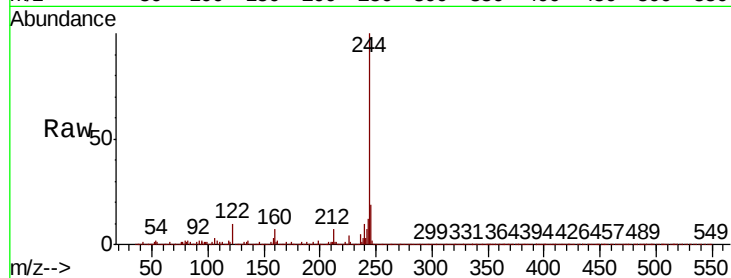
#79
 Terphenyl-d14
 Concen: 54.812 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BP000707.D
 Acq: 14 Oct 2019 13:52

Instrument :
 BNA_P
 ClientSampleId :
 20190827-COMPOSITE-CRE

Tot Ion:244 Resp: 1750635
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 10.1 8.9 13.3

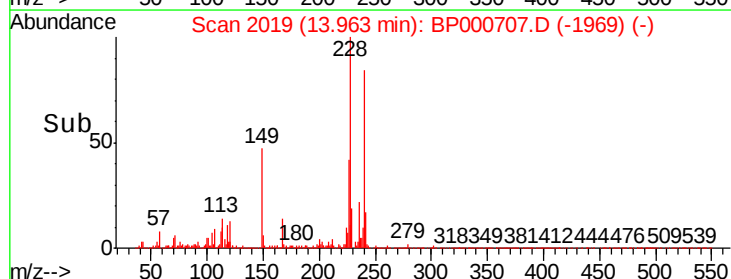
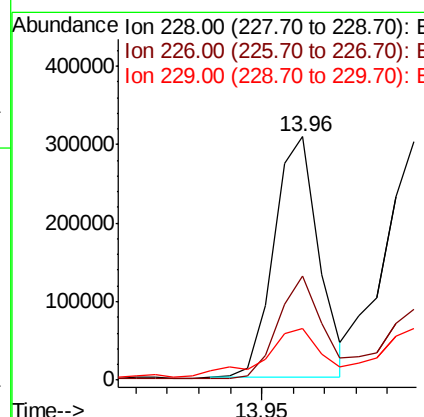
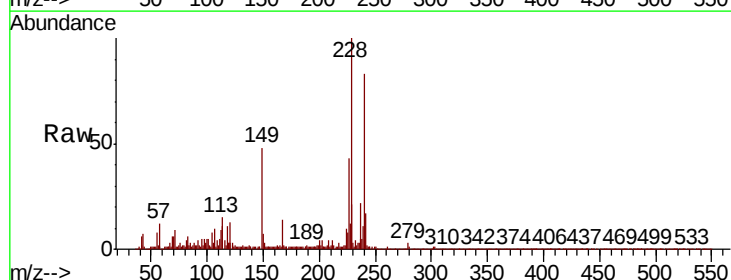
Manual Integrations
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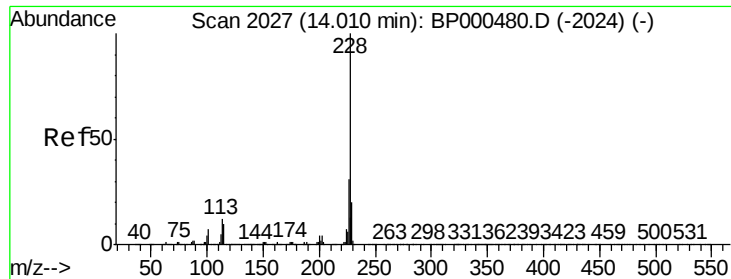
mohammad
 10/16/2019 8:11:11 AM



#81
 Benzo(a)anthracene
 Concen: 7.709 ng m
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BP000707.D
 Acq: 14 Oct 2019 13:52

Tgt Ion:228 Resp: 304151
 Ion Ratio Lower Upper
 228 100
 226 42.6 21.4 32.2#
 229 21.1 14.7 22.1





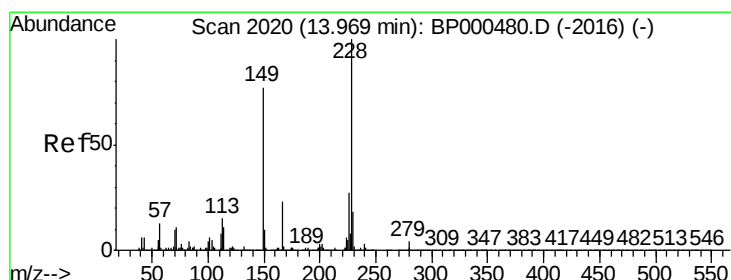
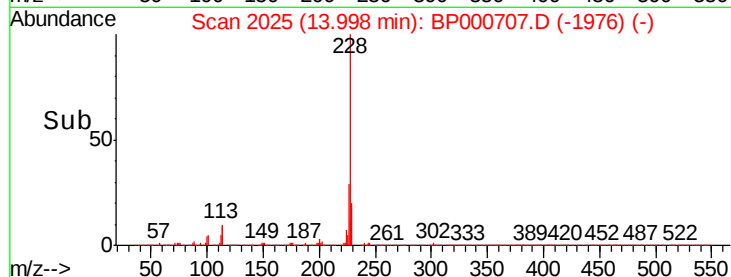
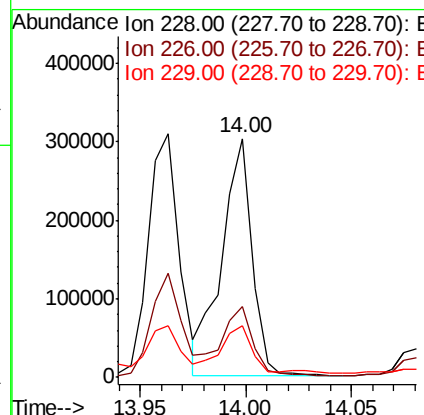
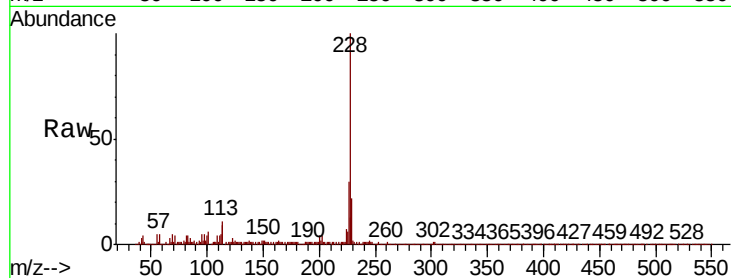
#83
Chrysene
Concen: 7.729 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Instrument :
BNA_P
ClientSampleId :
20190827-COMPOSITE-CRE

Tot Ion	Ratio	Resp	Lower	Upper
228	100	299299		
226	29.8	24.7	37.1	
229	21.6	16.3	24.5	

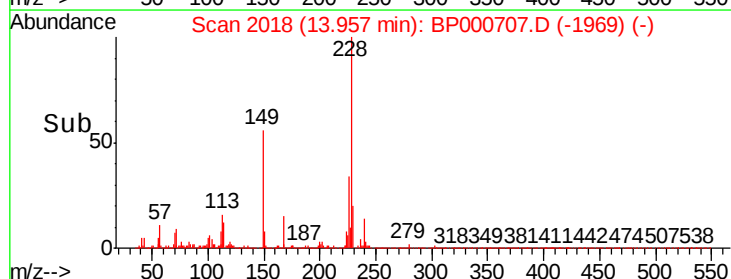
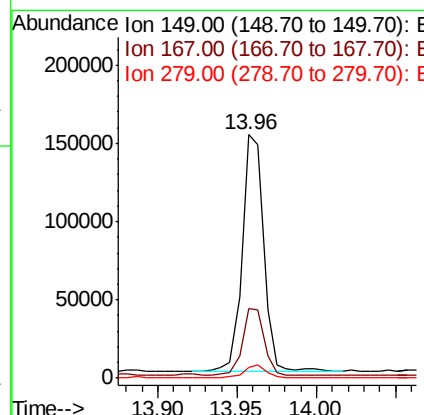
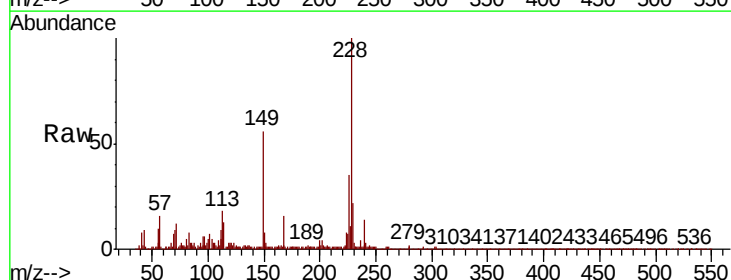
Manual Integrations
APPROVED

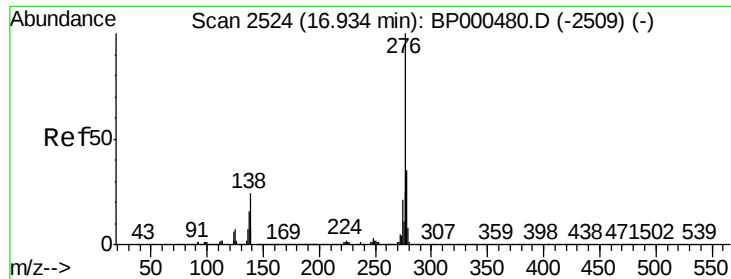
mohammad
10/16/2019 8:11:11 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.810 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	142011		
167	28.3	23.6	35.4	
279	4.1	3.9	5.9	





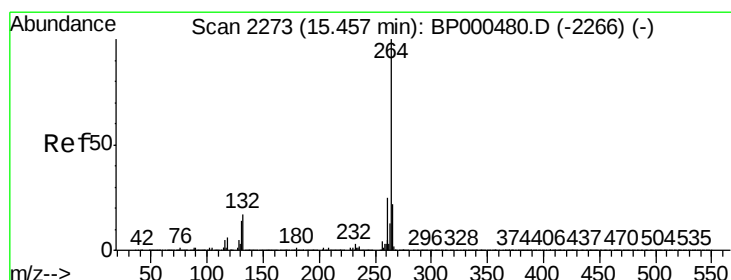
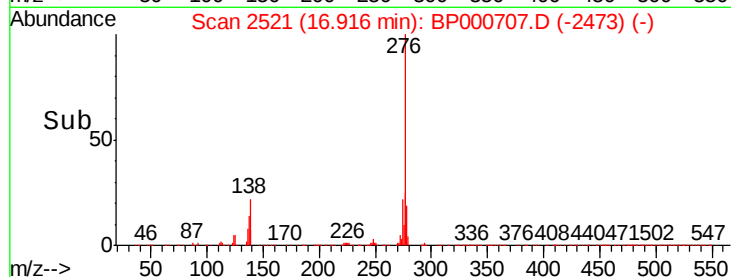
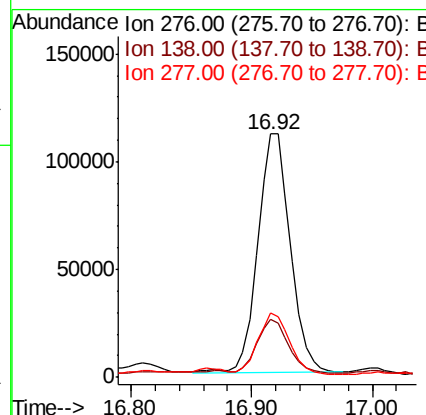
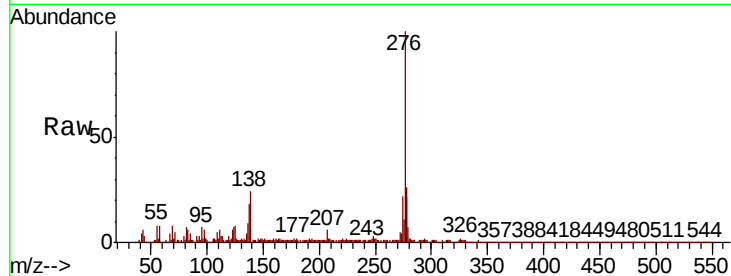
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.297 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Instrument :
BNA_P
ClientSampleId :
20190827-COMPOSITE-CRE

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.9	31.3
277	24.8	20.6	30.8

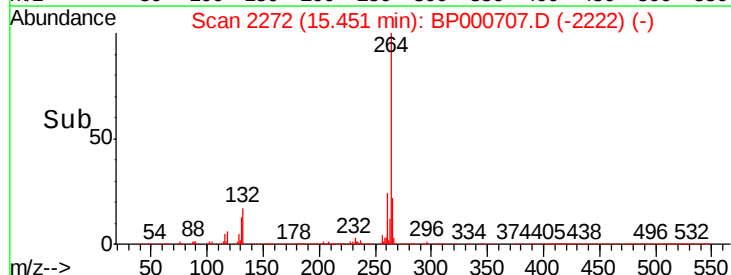
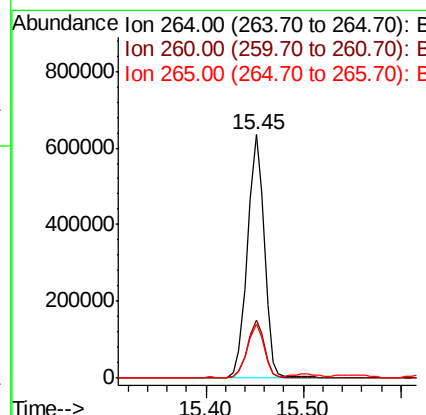
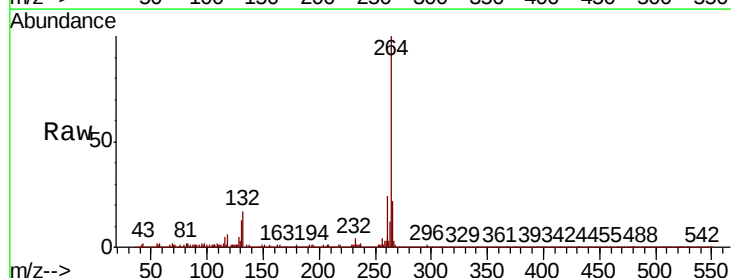
Manual Integrations
APPROVED

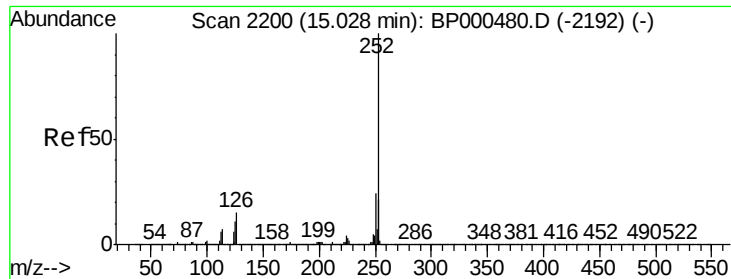
mohammad
10/16/2019 8:11:11 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.3	30.5
265	22.3	18.0	27.0





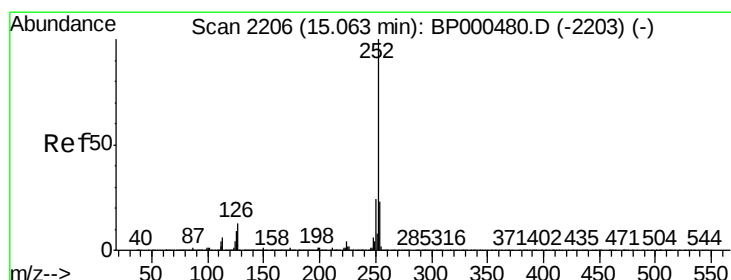
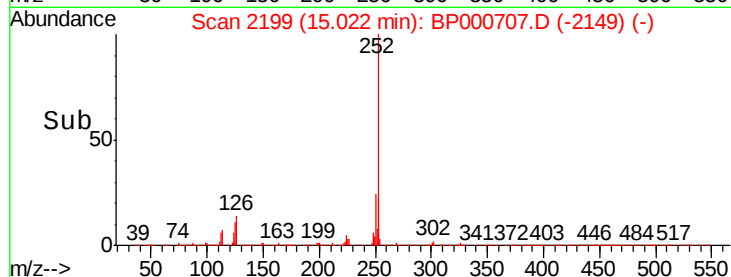
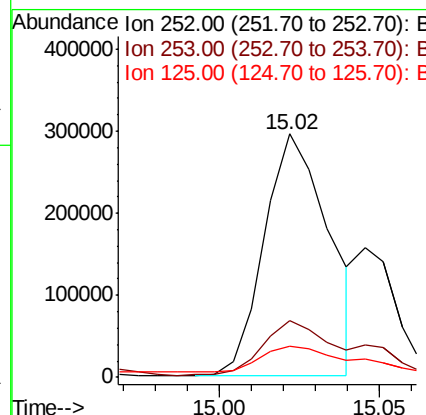
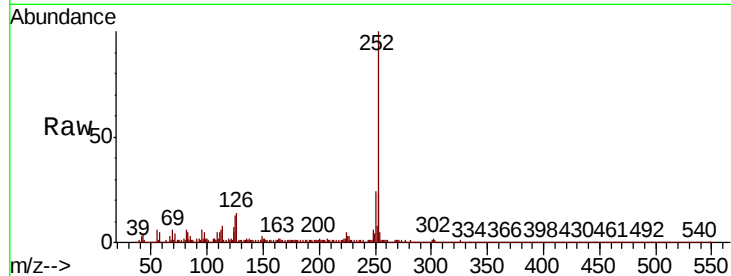
#88
Benzo(b)fluoranthene
Concen: 9.522 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Instrument :
BNA_P
ClientSampleId :
20190827-COMPOSITE-CRE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.4
125	13.0	8.9	13.3

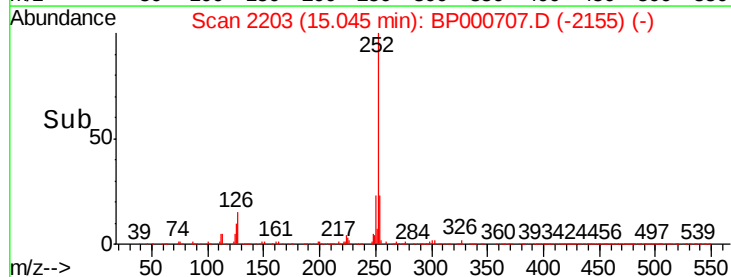
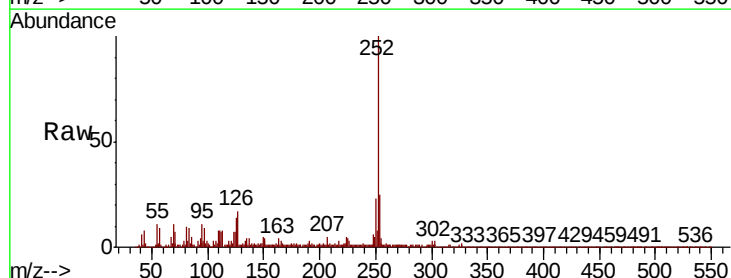
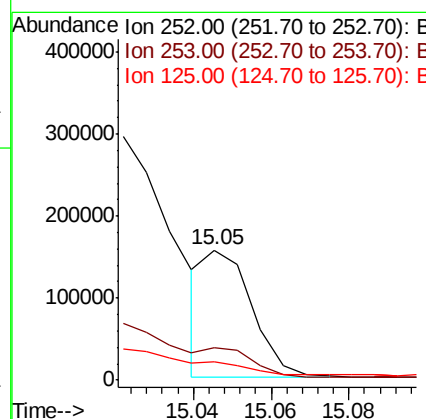
Manual Integrations
APPROVED

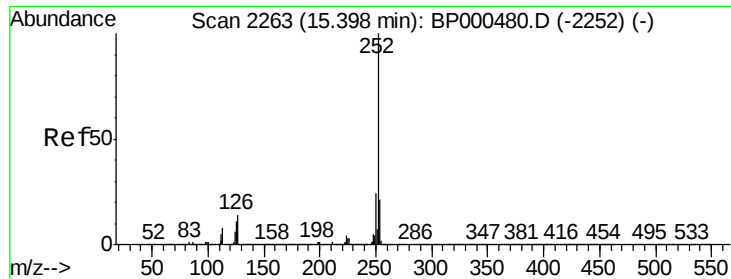
mohammad
10/16/2019 8:11:11 AM



#89
Benzo(k)fluoranthene
Concen: 3.098 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.4	27.6
125	14.5	7.8	11.8#





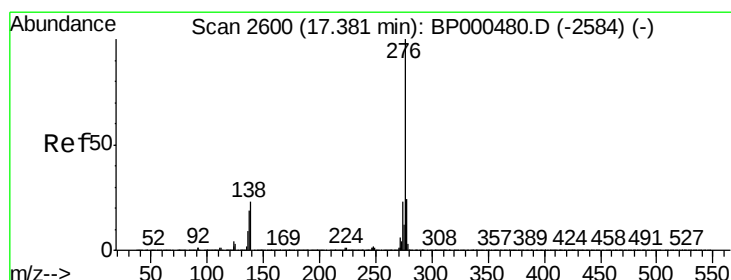
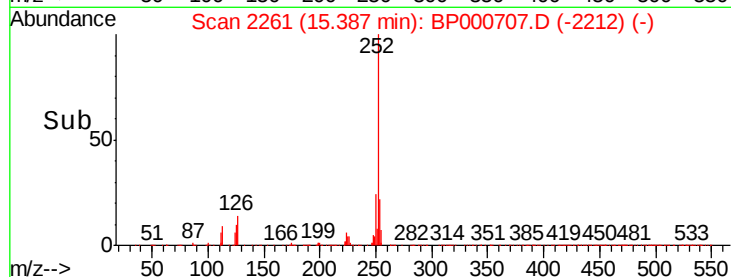
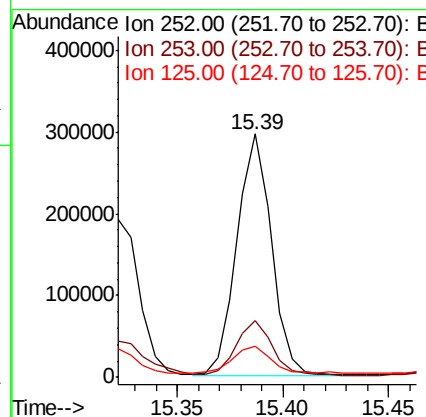
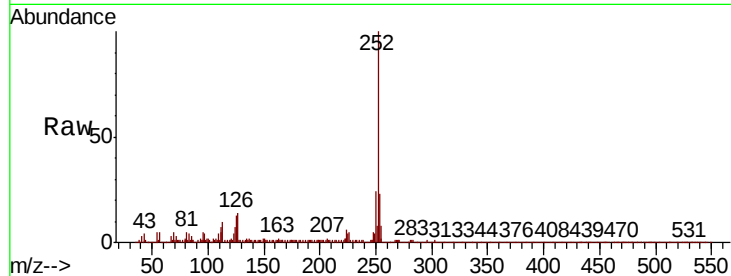
#90
Benzo(a)pyrene
Concen: 8.231 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Instrument :
BNA_P
ClientSampleId :
20190827-COMPOSITE-CRE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	12.7	8.4	12.6

Manual Integrations
APPROVED

mohammad
10/16/2019 8:11:11 AM



#92
Benzo(g,h,i)perylene
Concen: 5.404 ng
RT: 17.36 min Scan# 2596
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.2
138	23.6	18.5	27.7

