

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
 Data File : BP000124.D
 Acq On : 09 Sep 2019 05:37
 Operator : HP/JU
 Sample : K4636-14 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-33-COMP

Manual Integrations
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Quant Time: Sep 09 08:38:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 17:47:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	430235	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1604127	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	881511	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	1551819	20.00	ng	0.00
76) Chrysene-d12	14.10	240	1040154	20.00	ng	0.00
87) Perylene-d12	15.63	264	1169988	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1147127	42.52	ng	0.00
7) Phenol-d6	6.51	99	1540956	45.24	ng	0.00
23) Nitrobenzene-d5	7.45	82	811479	31.04	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	338377	45.54	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1699946	32.20	ng	0.00
79) Terphenyl-d14	13.03	244	1655247	34.69	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.19	128	256747	3.488	ng	100
49) Acenaphthylene	9.79	152	261127	3.407	ng	98
50) Dimethylphthalate	9.65	163	237235	3.949	ng	99
52) Acenaphthene	9.97	154	247467	5.145	ng	96
55) Dibenzofuran	10.14	168	214665	3.143	ng	98
58) Fluorene	10.49	166	271059	5.273	ng	98
71) Phenanthrene	11.46	178	3774310	48.798	ng	99
72) Anthracene	11.51	178	991587	12.978	ng	99
73) Carbazole	11.66	167	447871	6.210	ng	97
75) Fluoranthene	12.66	202	5189412	61.742	ng	96
78) Pyrene	12.90	202	4877741	63.744	ng	98
81) Benzo(a)anthracene	14.09	228	2221633	32.961	ng	99
83) Chrysene	14.13	228	2542013	39.873	ng	98
84) Bis(2-ethylhexyl)phthalate	14.09	149	4876713	109.912	ng	# 94
86) Indeno(1,2,3-cd)pyrene	17.19	276	1412332	17.679	ng	93
88) Benzo(b)fluoranthene	15.19	252	3460331m	48.420	ng	
89) Benzo(k)fluoranthene	15.21	252	894058m	13.671	ng	
90) Benzo(a)pyrene	15.57	252	2238413	34.698	ng	98
91) Dibenzo(a,h)anthracene	17.19	278	370153	5.738	ng	94
92) Benzo(a,h,i)perylene	17.65	276	1291334	20.223	ng	96

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

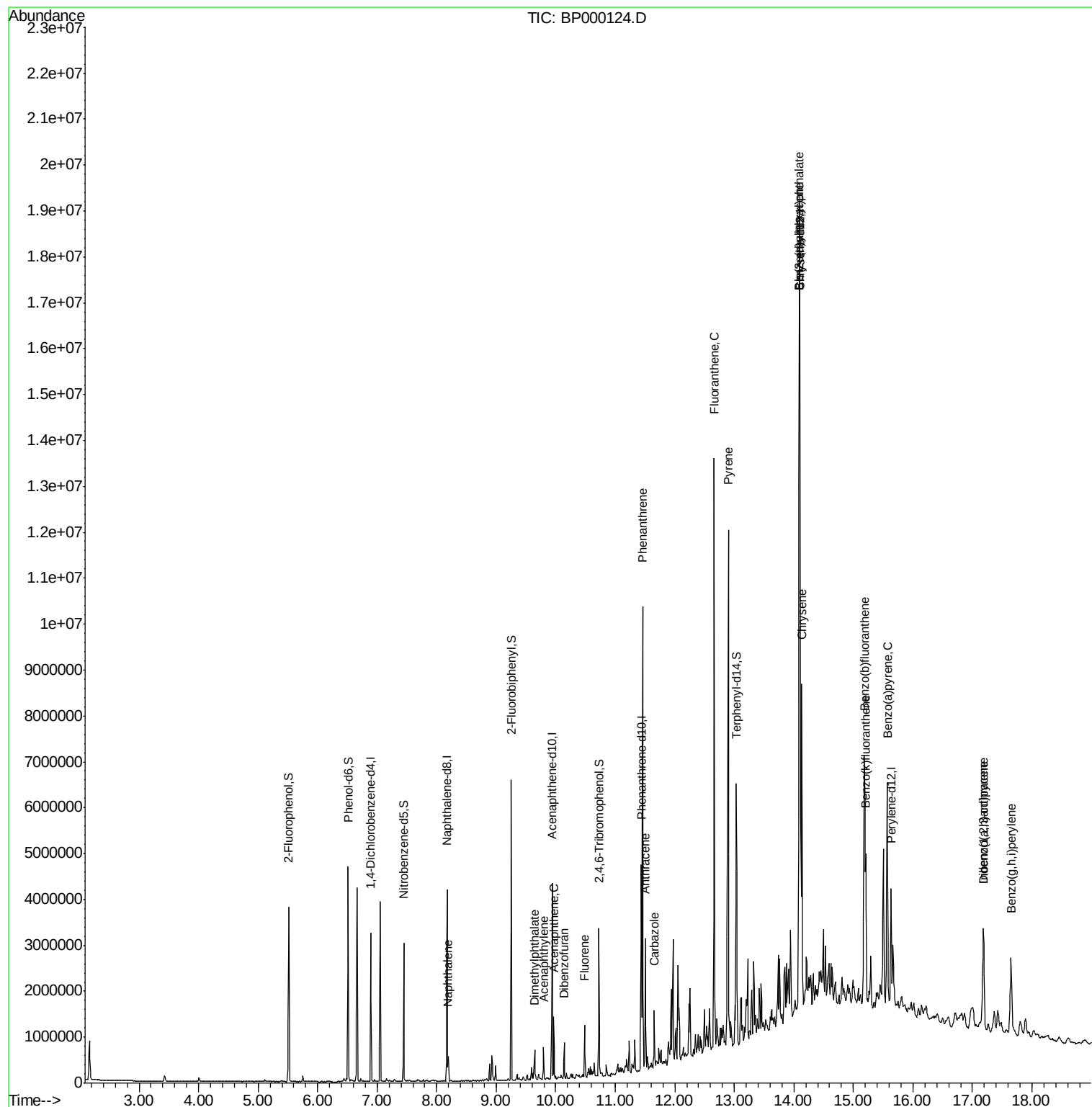
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000124.D
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ALS Vial : 22 Sample Multiplier: 1

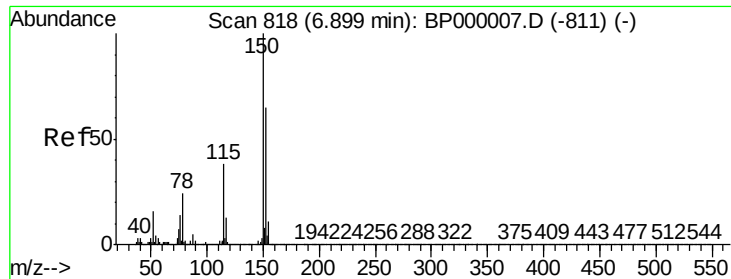
Instrument :
BNA_P
ClientSampleID :
SB-33-COMP

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#1

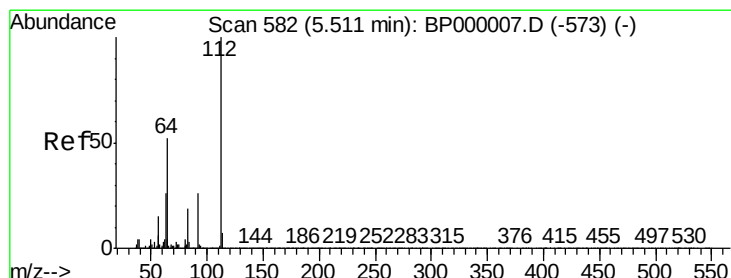
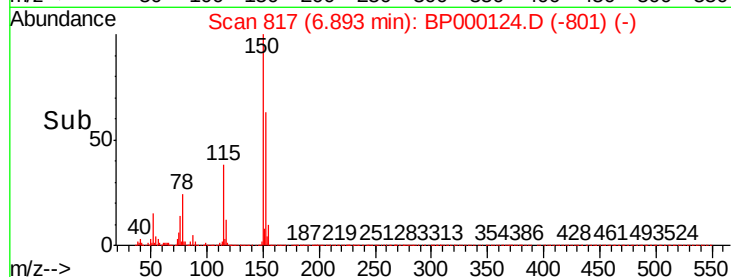
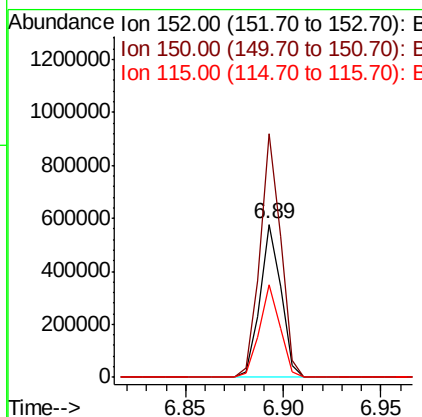
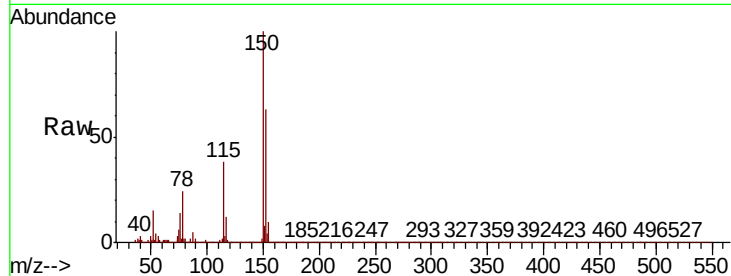
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Instrument :
BNA_P
ClientSampleId :
SB-33-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	123.0	184.6
115	60.2	46.7	70.1

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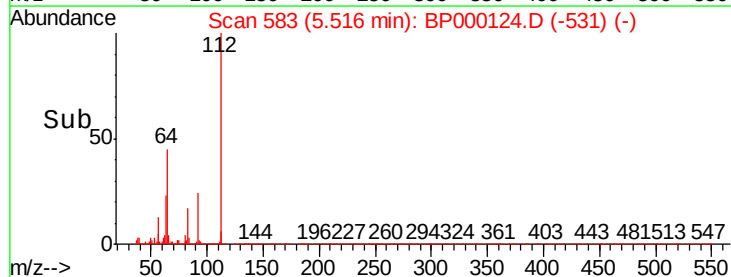
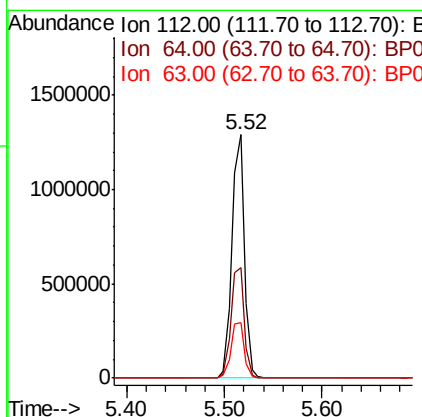
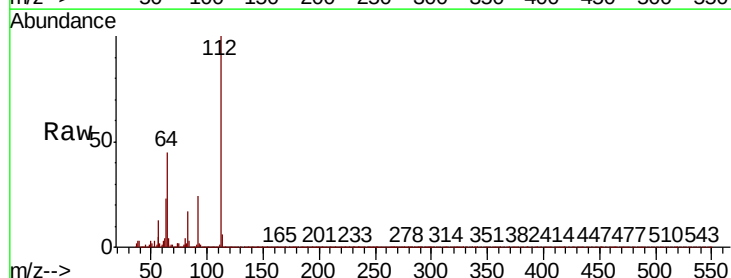
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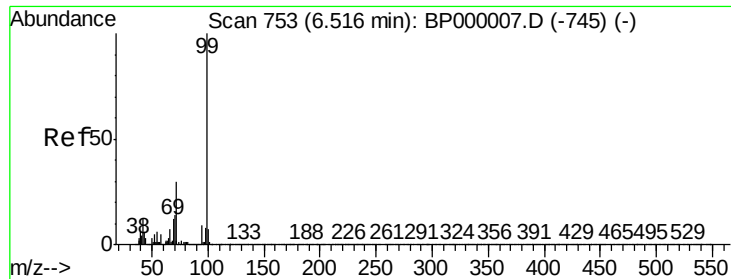


#5

2-Fluorophenol
Concen: 42.517 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.2	41.8	62.8
63	22.8	21.0	31.4





#7

Phenol-d6

Concen: 45.242 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BP000124.D

Acq: 09 Sep 2019 05:37

Instrument :

BNA_P

ClientSampleId :

SB-33-COMP

Tot Ion: 99 Resp: 1540956

Ion Ratio Lower Upper

99 100

42 11.7 9.8 14.8

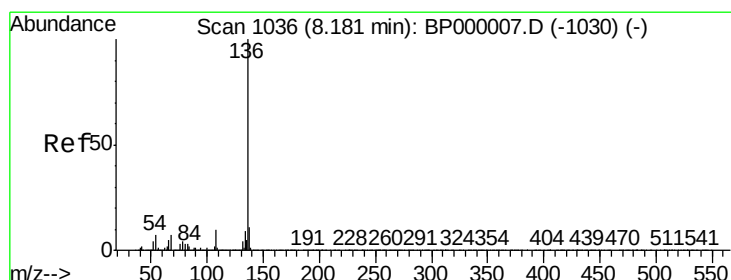
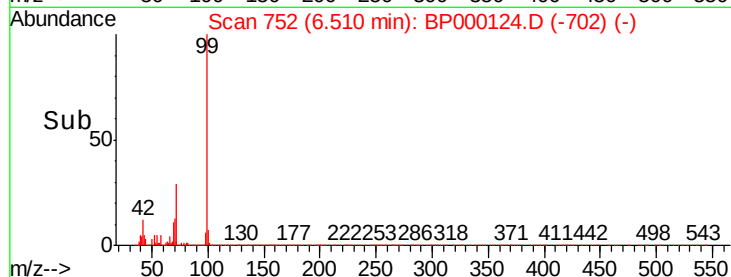
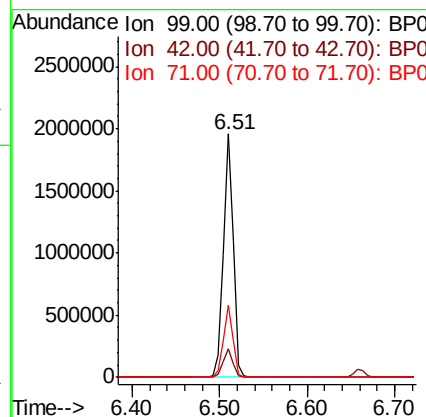
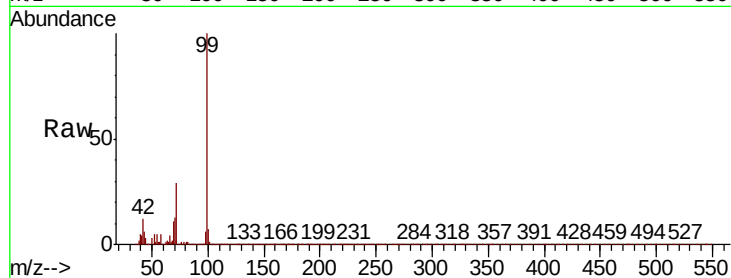
71 29.4 23.8 35.8

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BP000124.D

Acq: 09 Sep 2019 05:37

Tgt Ion: 136 Resp: 1604127

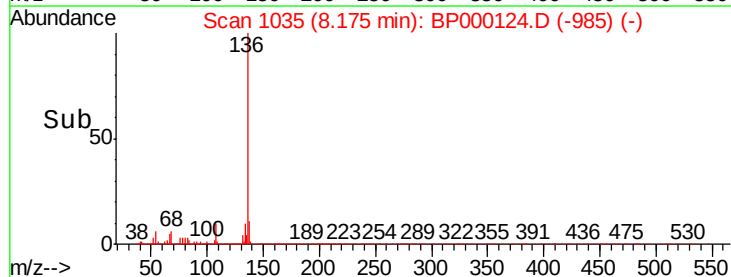
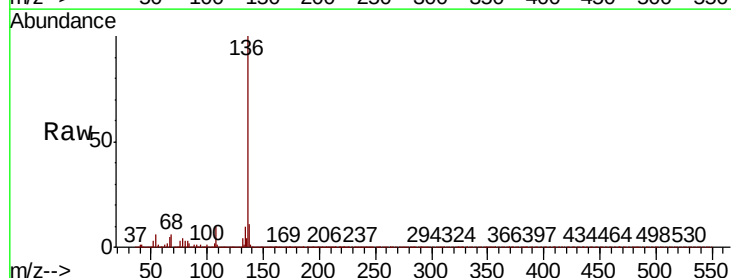
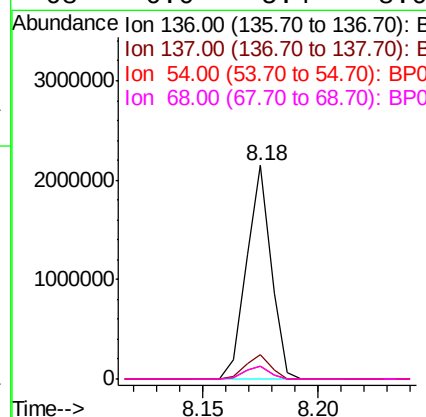
Ion Ratio Lower Upper

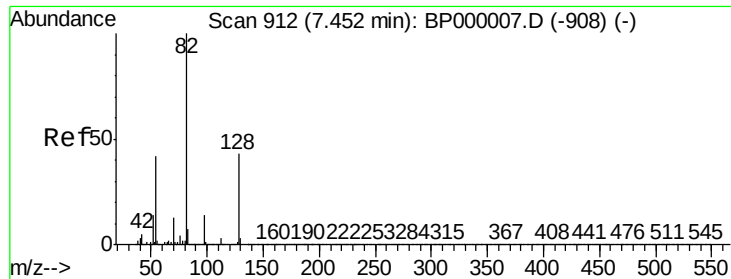
136 100

137 11.2 8.6 13.0

54 6.0 5.4 8.2

68 6.0 5.4 8.0





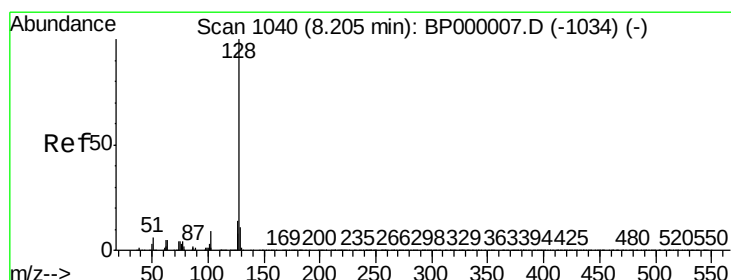
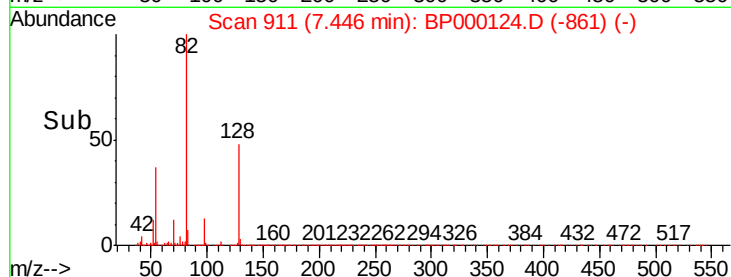
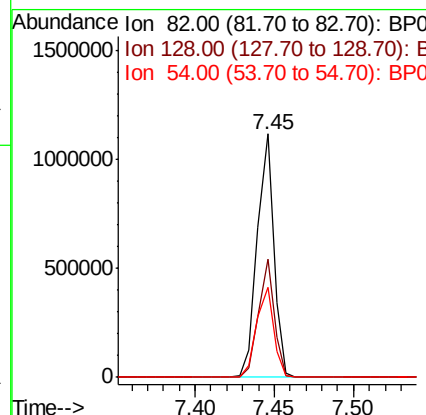
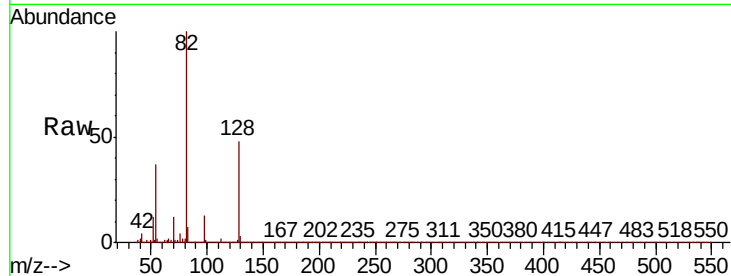
#23
Nitrobenzene-d5
Concen: 31.040 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Instrument :
BNA_P
ClientSampled :
SB-33-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	34.5	51.7
54	37.1	33.2	49.8

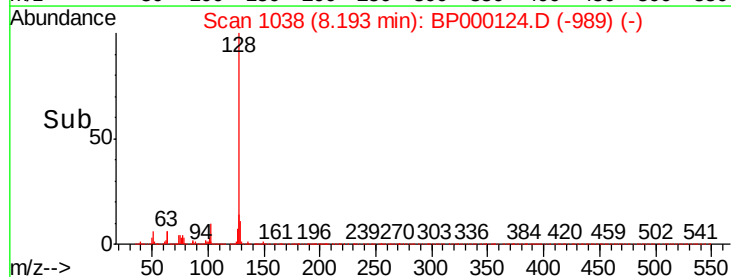
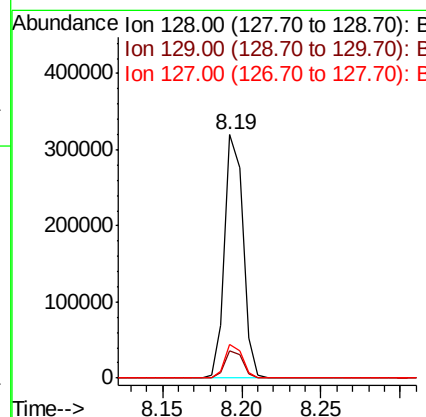
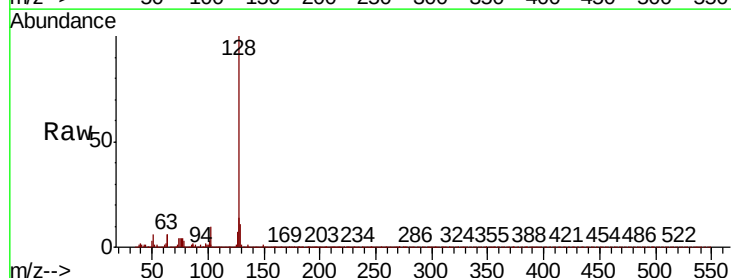
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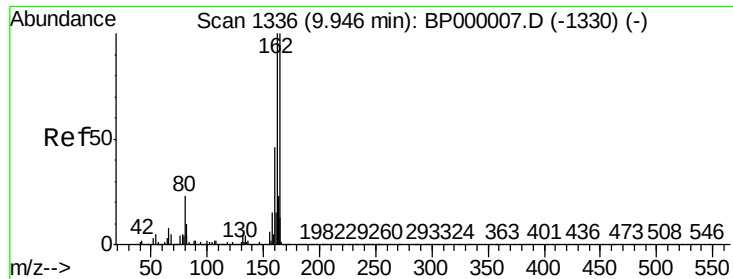
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#31
Naphthalene
Concen: 3.488 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.6	11.0	16.6





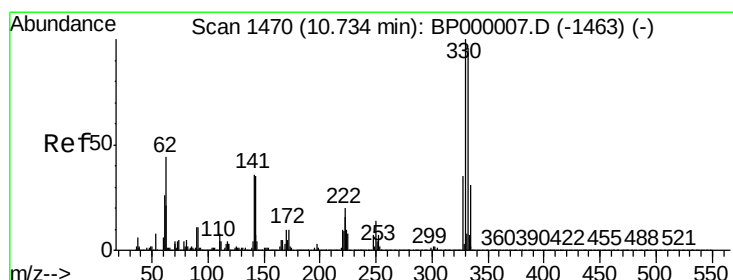
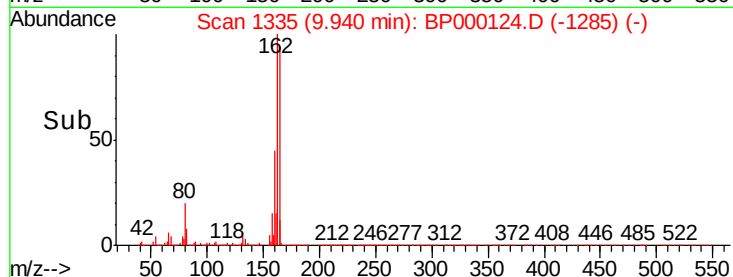
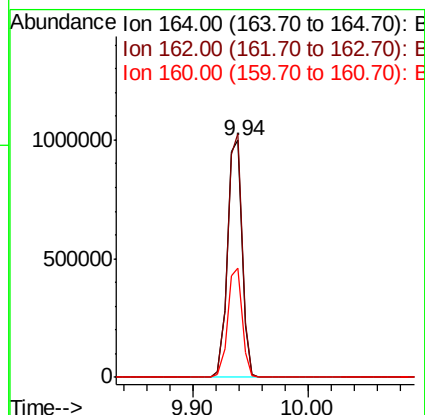
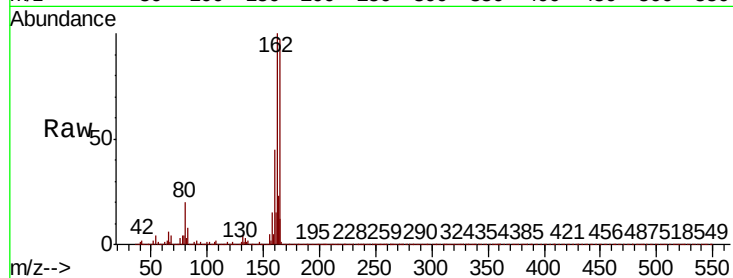
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Instrument :
BNA_P
ClientSampled :
SB-33-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	881511		
162	102.7	80.2	120.4	
160	45.8	36.6	55.0	

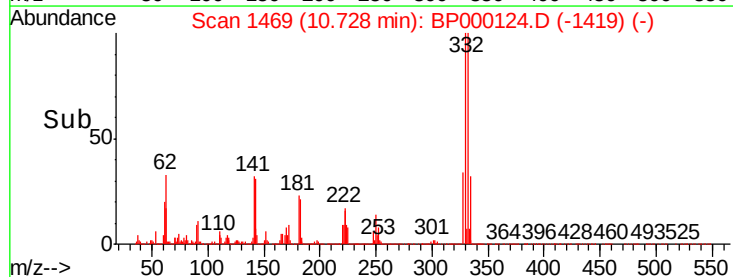
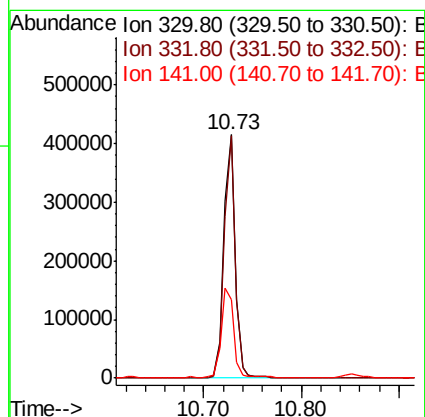
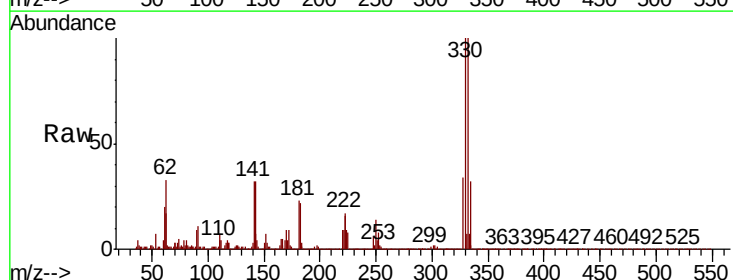
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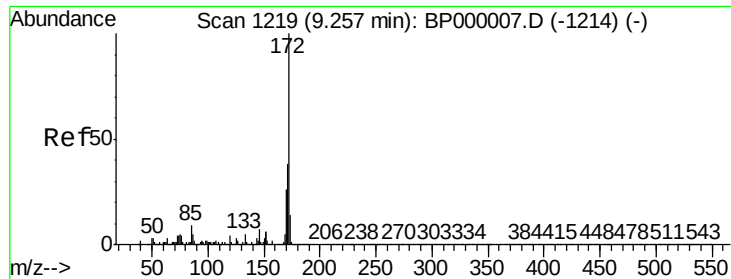
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#42
2,4,6-Tribromophenol
Concen: 45.540 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.01 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	338377		
332	96.5	76.8	115.2	
141	38.3	33.6	50.4	





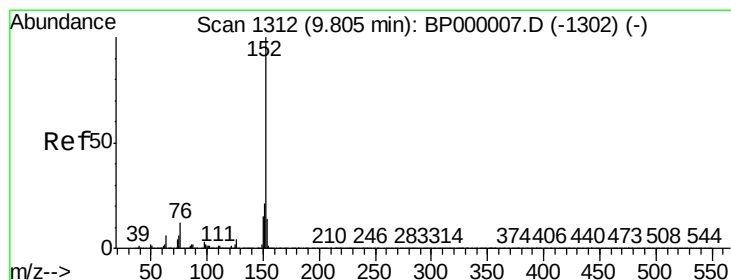
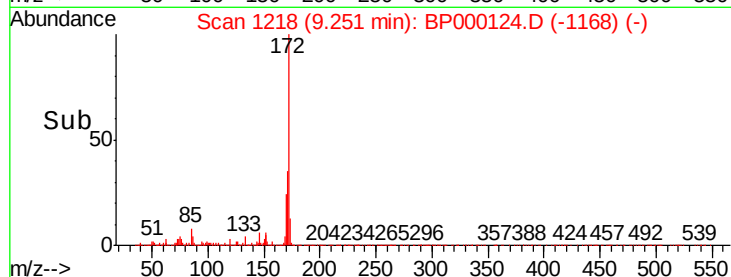
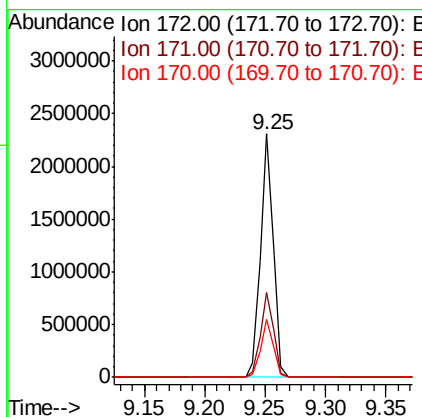
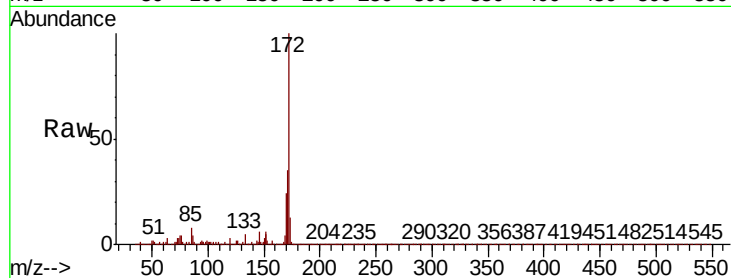
#45
2-Fluorobiphenyl
Concen: 32.205 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Instrument :
BNA_P
ClientSampleId :
SB-33-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	30.7	46.1
170	23.9	20.7	31.1

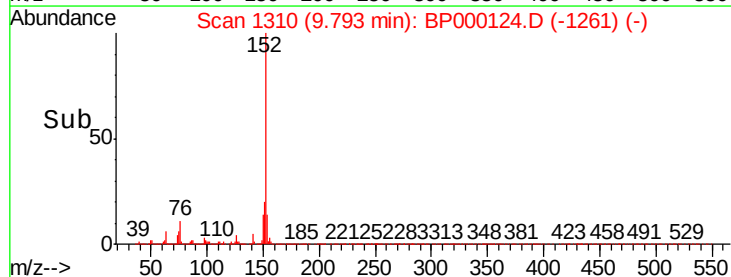
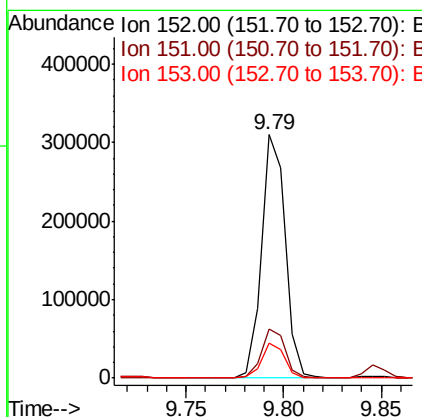
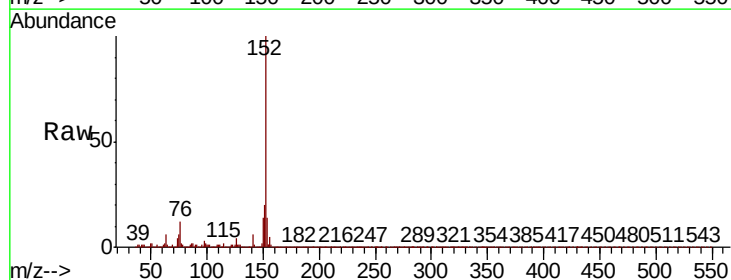
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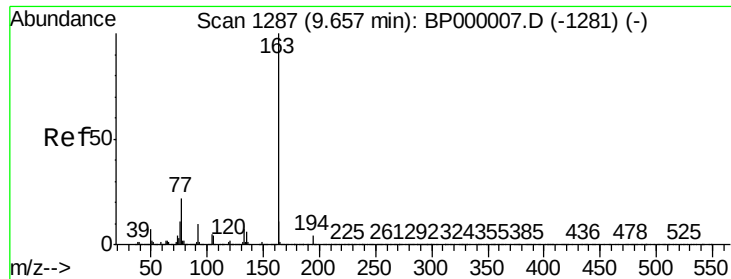
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#49
Acenaphthylene
Concen: 3.407 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.0	25.6
153	14.3	11.0	16.6





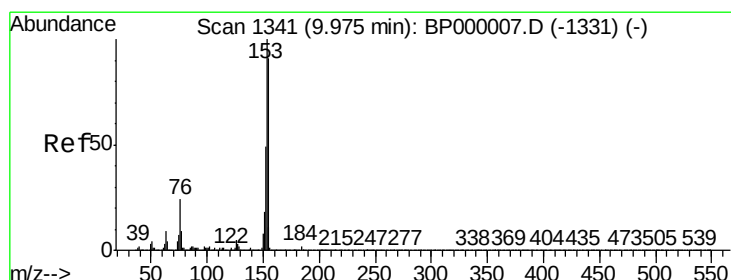
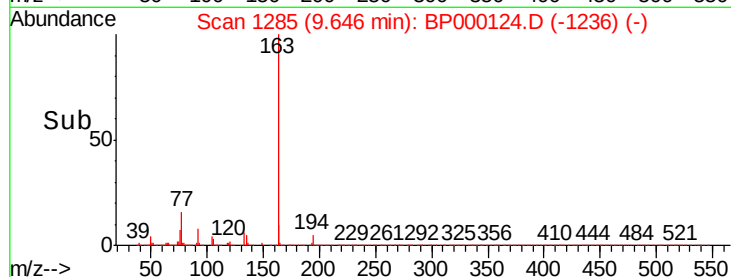
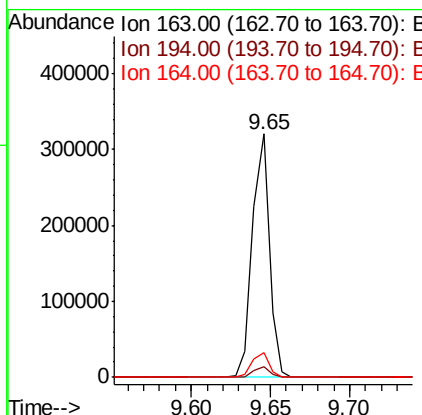
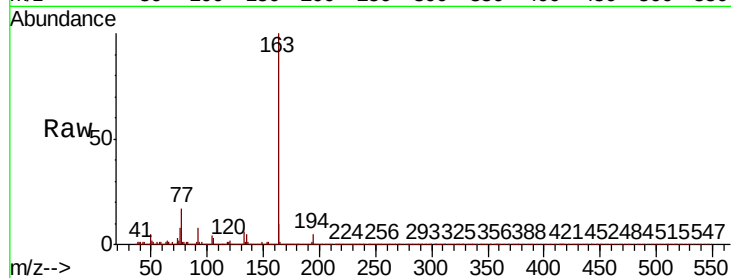
#50
Dimethylphthalate
Concen: 3.949 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Instrument :
BNA_P
ClientSampleId :
SB-33-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.6	3.3	4.9	
164	10.0	8.4	12.6	

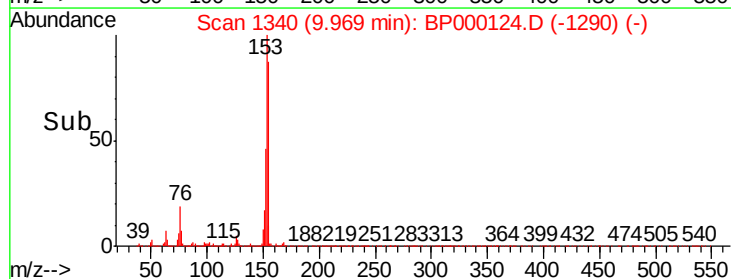
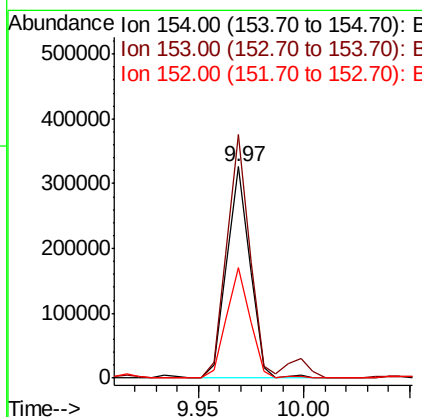
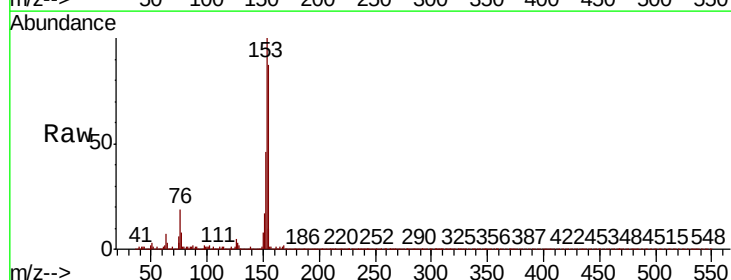
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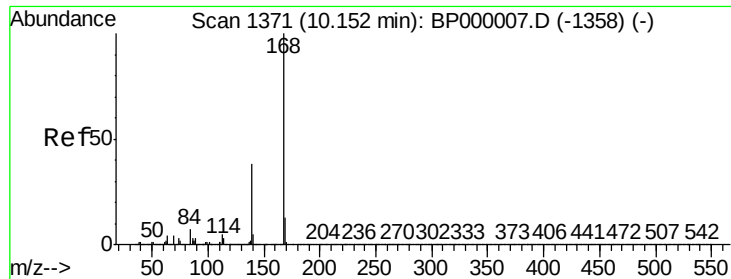
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#52
Acenaphthene
Concen: 5.145 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	115.1	88.2	132.2	
152	52.5	42.9	64.3	





#55

Dibenzofuran

Concen: 3.143 ng

RT: 10.14 min Scan# 1369

Delta R.T. -0.01 min

Lab File: BP000124.D

Acq: 09 Sep 2019 05:37

Instrument :

BNA_P

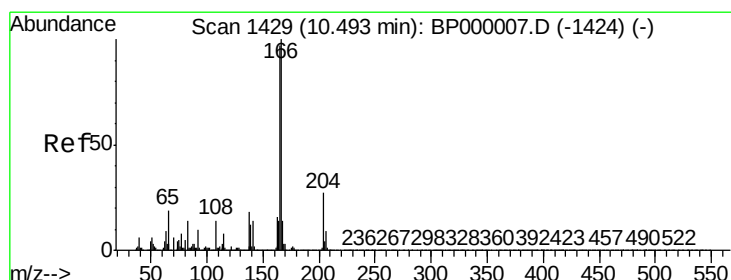
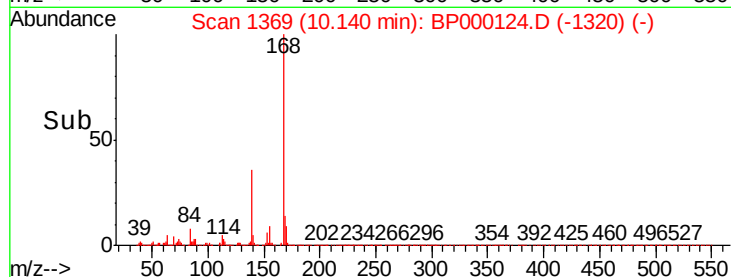
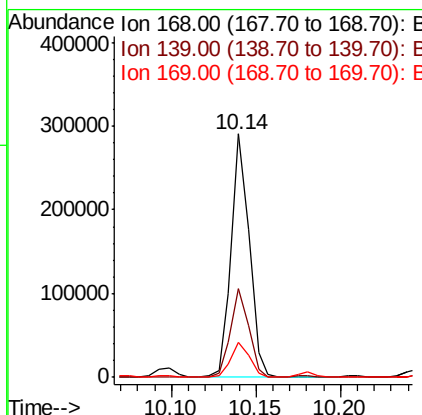
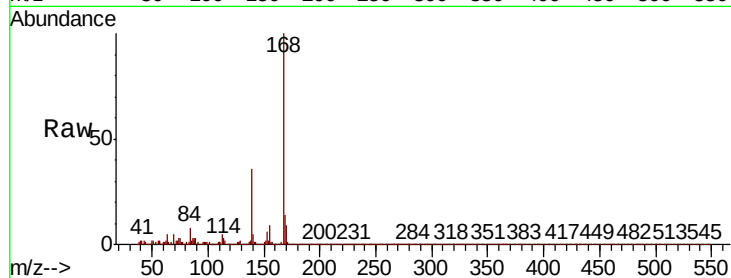
ClientSampleId :

SB-33-COMP

Tot Ion:	168	Resp:	214665
Ion Ratio	Lower	Upper	
168	100		
139	36.5	30.2	45.2
169	14.2	10.7	16.1

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#58

Fluorene

Concen: 5.273 ng

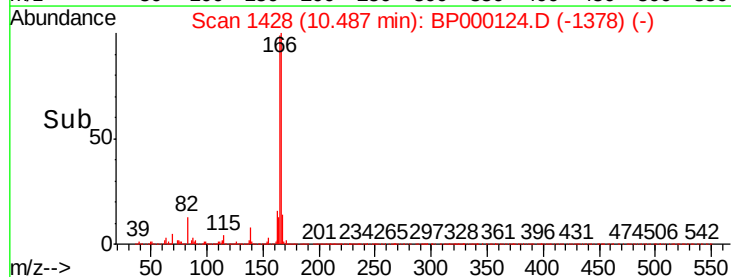
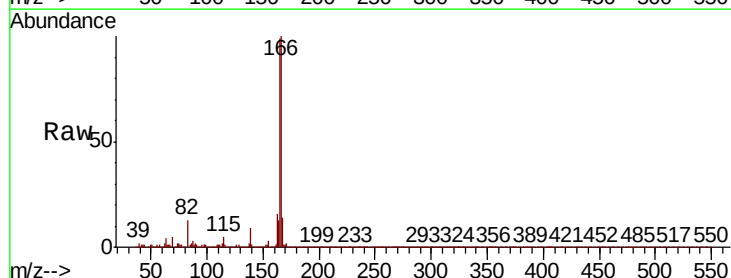
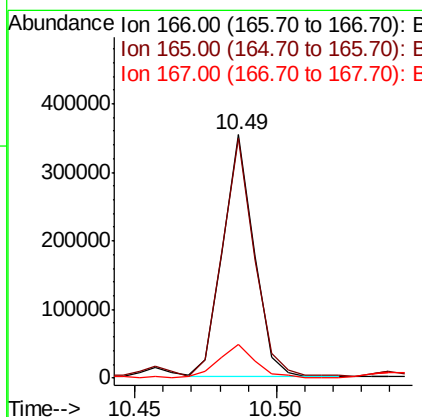
RT: 10.49 min Scan# 1428

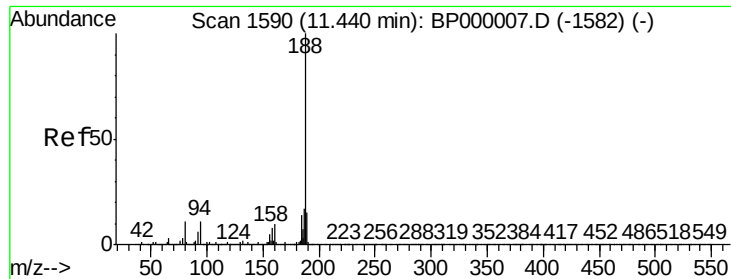
Delta R.T. -0.01 min

Lab File: BP000124.D

Acq: 09 Sep 2019 05:37

Tgt Ion:	166	Resp:	271059
Ion Ratio	Lower	Upper	
166	100		
165	98.7	77.3	115.9
167	14.0	11.0	16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BP000124.D

Acq: 09 Sep 2019 05:37

Instrument :

BNA_P

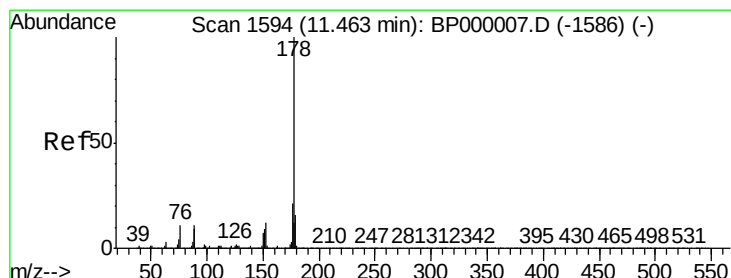
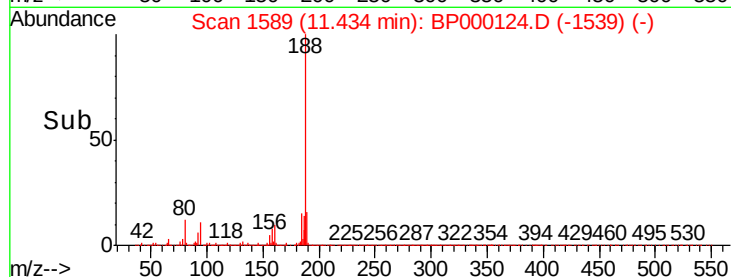
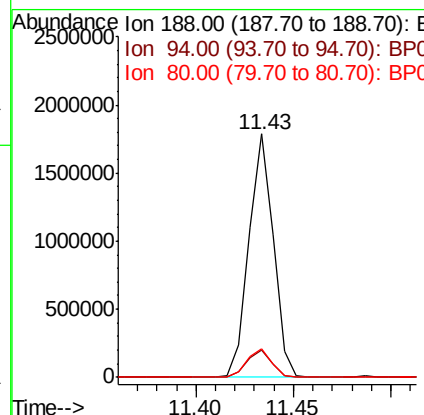
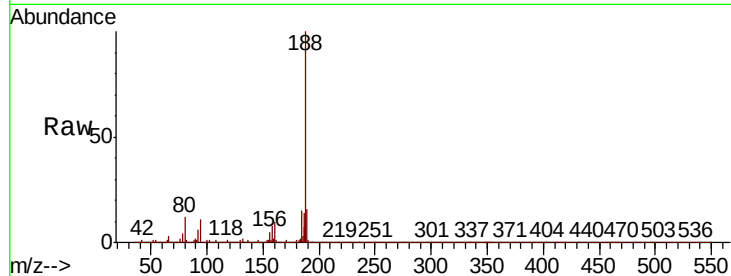
ClientSampleId :

SB-33-COMP

Tot Ion:	188	Resp:	1551819
Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.8	13.2
80	11.8	9.0	13.6

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#71

Phenanthrene

Concen: 48.798 ng

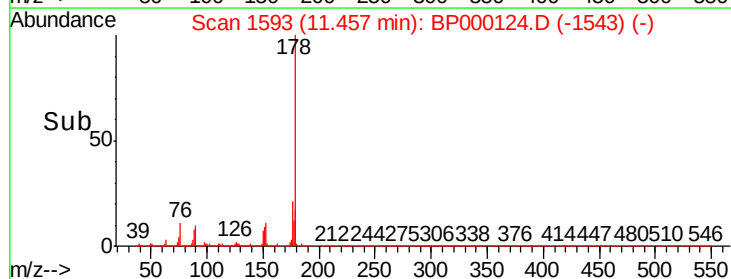
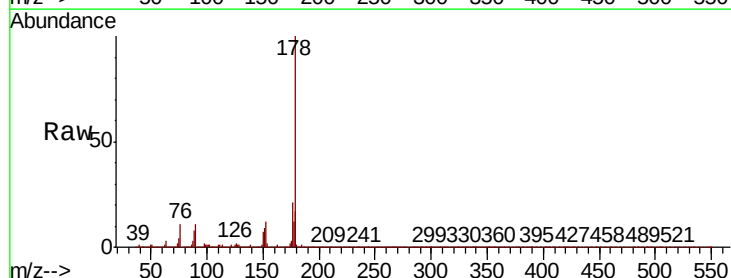
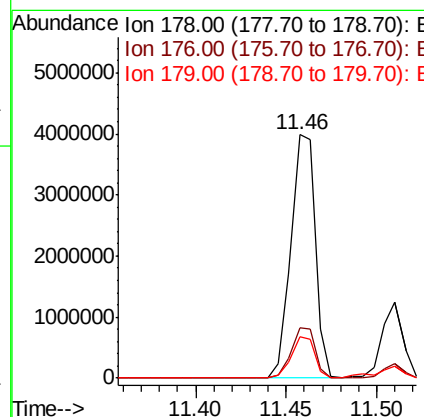
RT: 11.46 min Scan# 1593

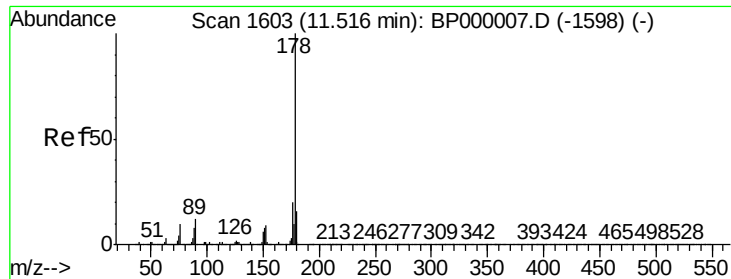
Delta R.T. -0.01 min

Lab File: BP000124.D

Acq: 09 Sep 2019 05:37

Tgt Ion:	178	Resp:	3774310
Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.7	25.1
179	16.9	13.1	19.7





#72

Anthracene

Concen: 12.978 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BP000124.D

Acq: 09 Sep 2019 05:37

Instrument :

BNA_P

ClientSampled :

SB-33-COMP

Tot Ion:178 Resp: 991587

Ion Ratio Lower Upper

178 100

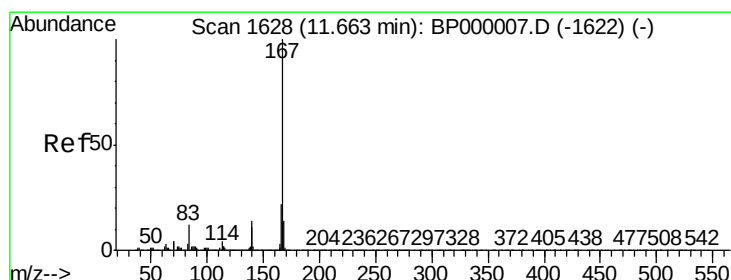
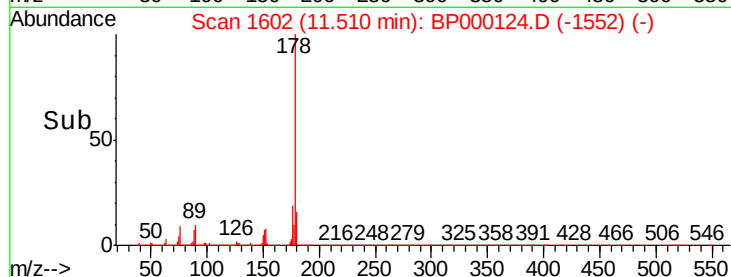
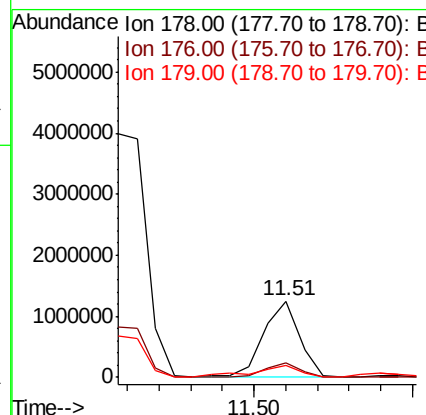
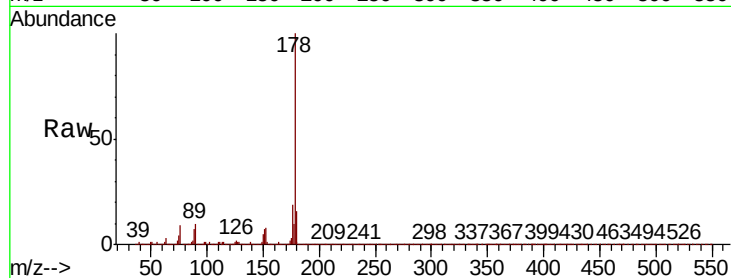
176 19.2 15.9 23.9

179 15.9 13.0 19.6

Manual Integrations
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#73

Carbazole

Concen: 6.210 ng

RT: 11.66 min Scan# 1627

Delta R.T. -0.01 min

Lab File: BP000124.D

Acq: 09 Sep 2019 05:37

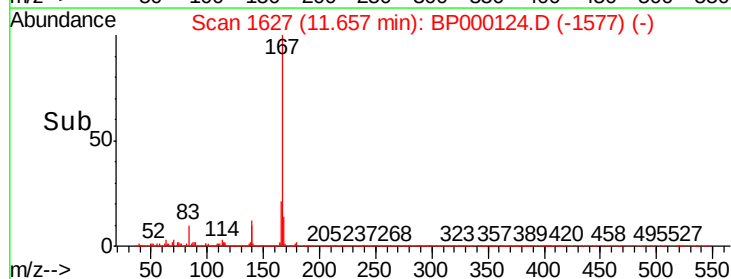
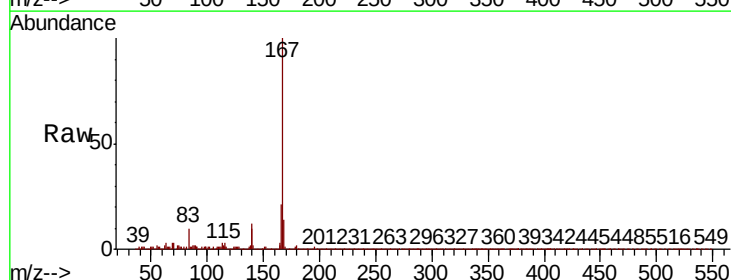
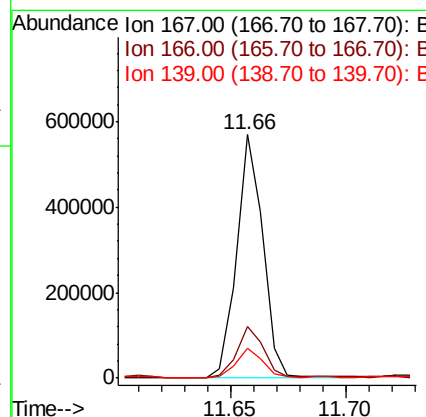
Tgt Ion:167 Resp: 447871

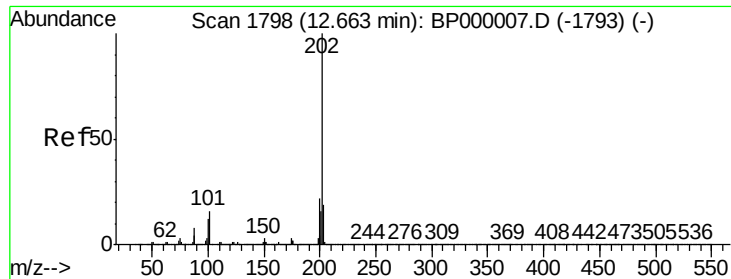
Ion Ratio Lower Upper

167 100

166 21.4 17.9 26.9

139 12.4 11.4 17.2





#75

Fluoranthene

Concen: 61.742 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.00 min

Lab File: BP000124.D

Acq: 09 Sep 2019 05:37

Instrument :

BNA_P

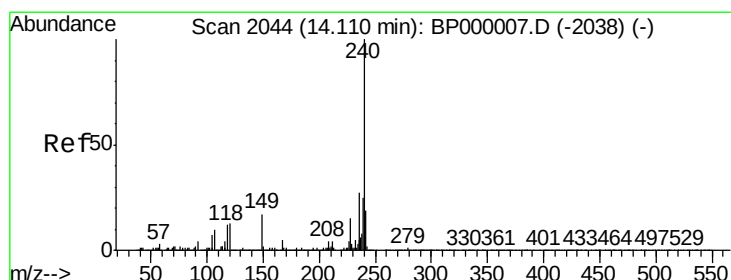
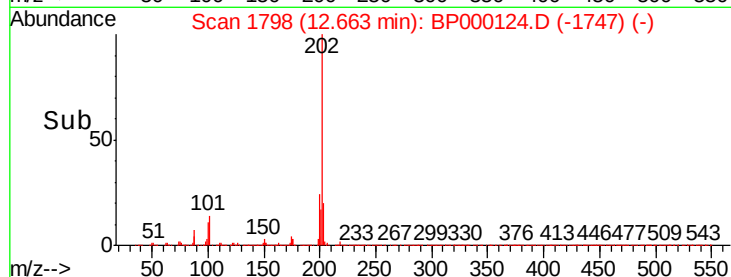
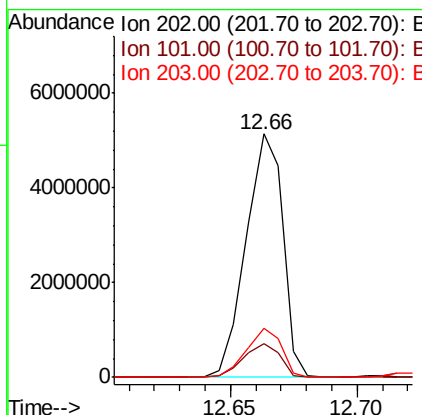
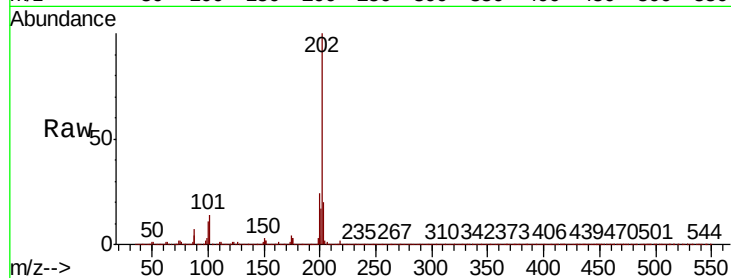
ClientSampleId :

SB-33-COMP

Tot Ion:	202	Resp:	5189412
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	36.4
203	20.1	0.0	38.7

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

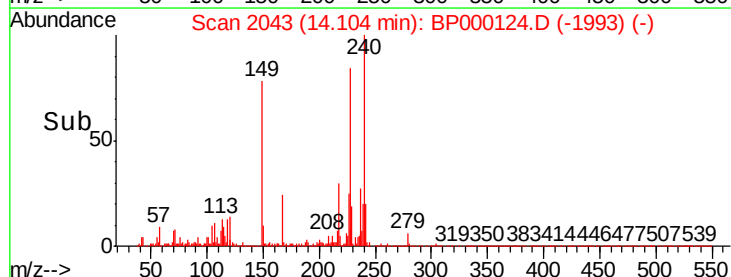
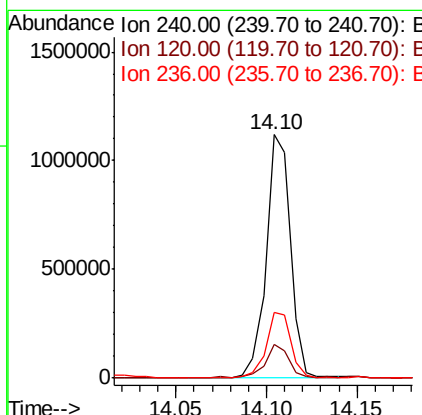
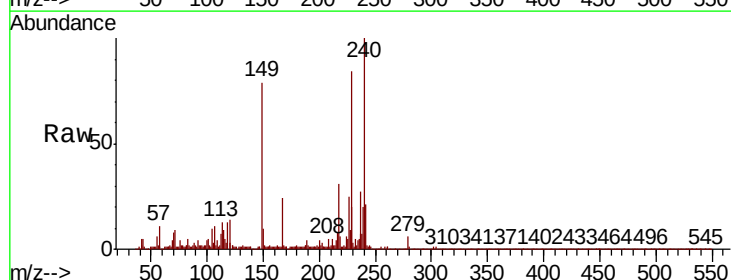
RT: 14.10 min Scan# 2043

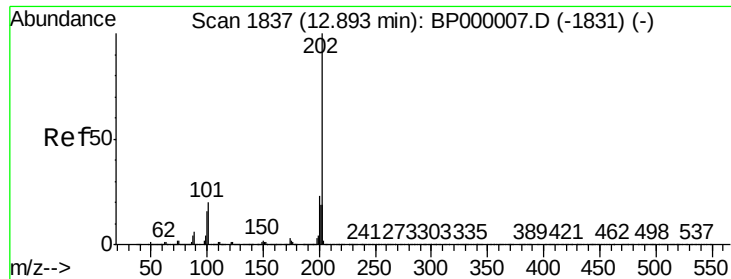
Delta R.T. -0.01 min

Lab File: BP000124.D

Acq: 09 Sep 2019 05:37

Tgt Ion:	240	Resp:	1040154
Ion Ratio	Lower	Upper	
240	100		
120	17.2	10.5	15.7#
236	27.1	21.5	32.3





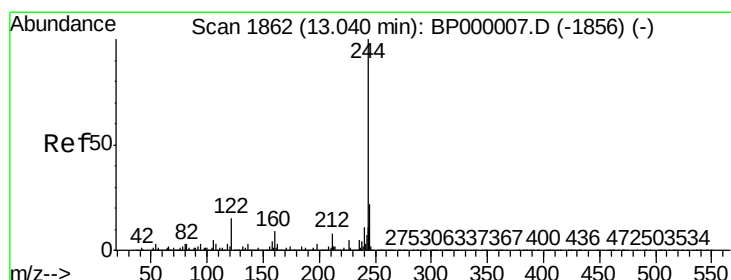
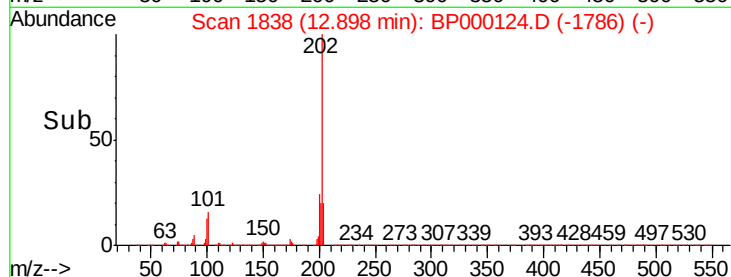
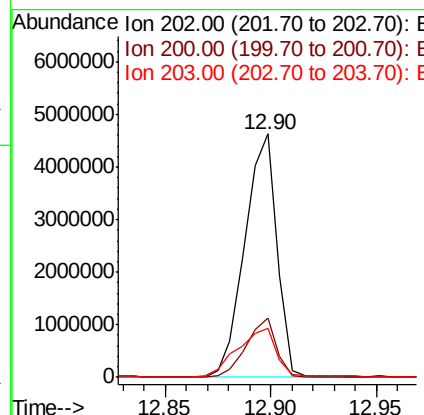
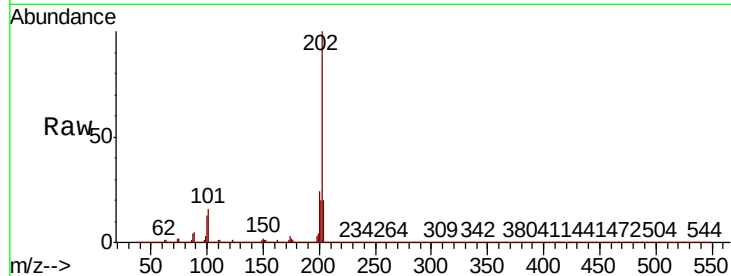
#78
Pvrene
Concen: 63.744 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.01 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Instrument :
BNA_P
ClientSampleId :
SB-33-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	24.2	18.5	27.7
203	20.0	15.1	22.7

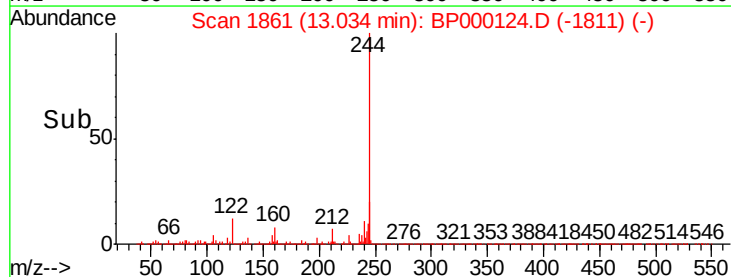
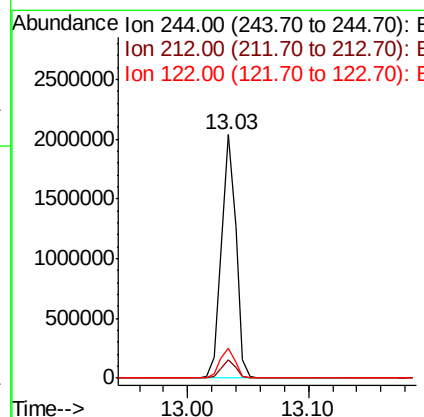
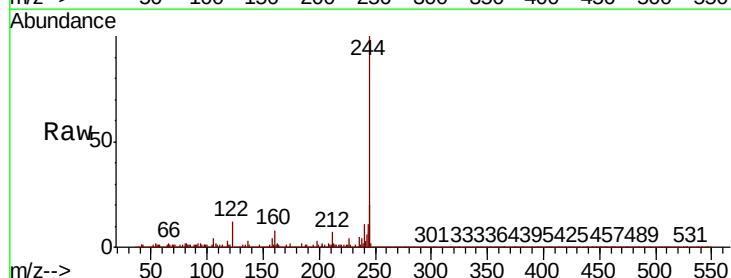
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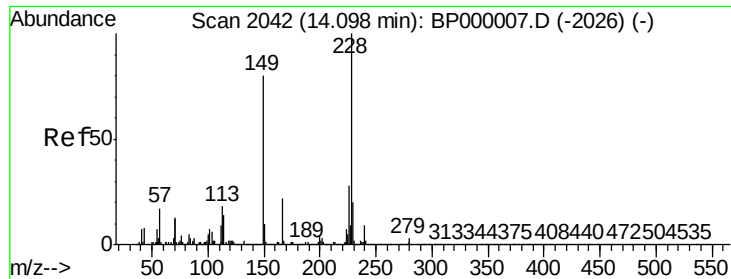
mohammad
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#79
Terphenyl-d14
Concen: 34.685 ng
RT: 13.03 min Scan# 1861
Delta R.T. -0.01 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.6	10.0
122	12.2	12.3	18.5#





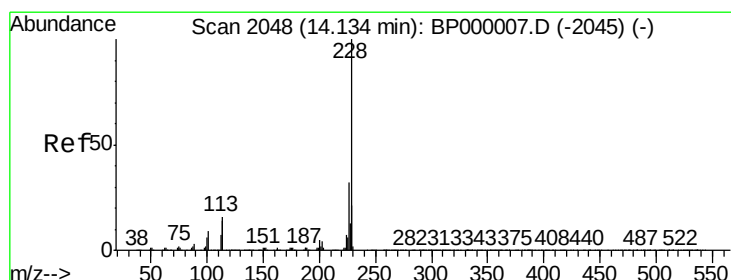
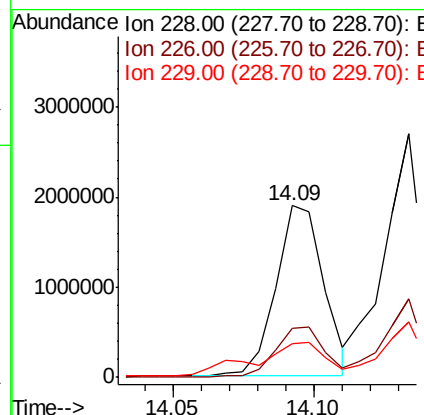
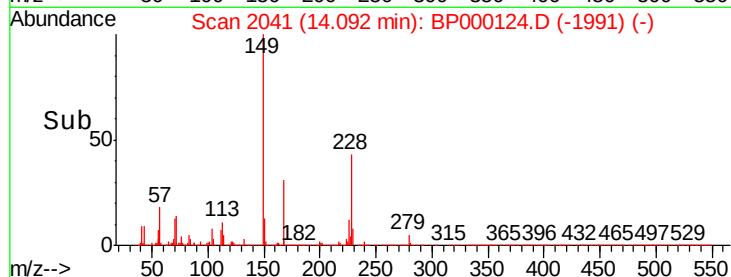
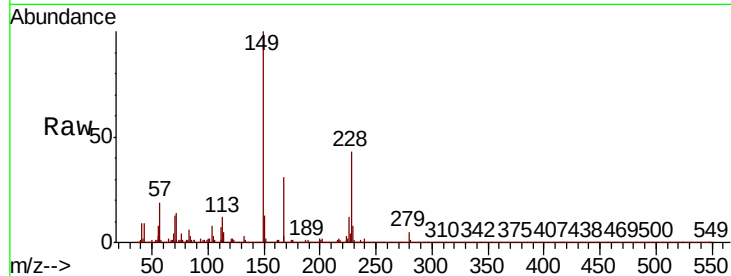
#81
Benzo(a)anthracene
Concen: 32.961 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Instrument :
BNA_P
ClientSampleId :
SB-33-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.5	33.7
229	19.5	16.2	24.2

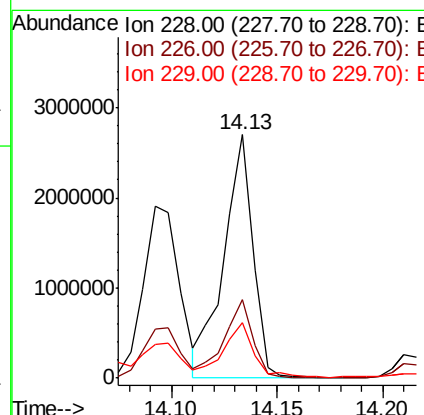
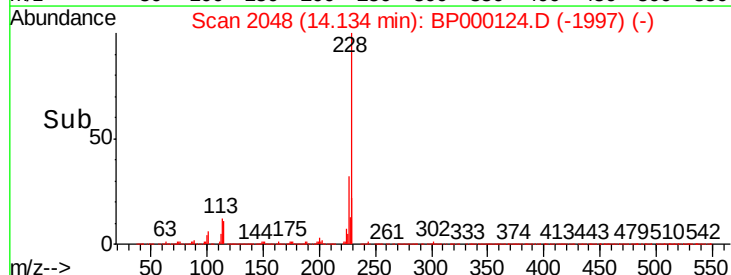
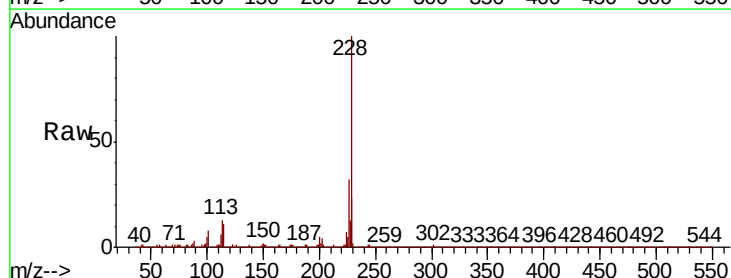
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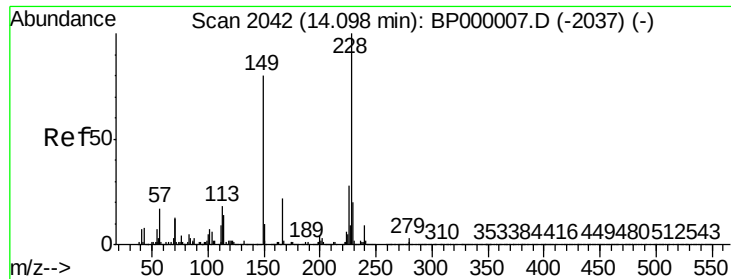
mohammad
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#83
Chrysene
Concen: 39.873 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.00 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.5	38.3
229	22.6	16.5	24.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 109.912 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BP000124.D

Acq: 09 Sep 2019 05:37

Instrument :

BNA_P

ClientSampleId :

SB-33-COMP

Tot Ion:149 Resp: 4876713

Ion Ratio Lower Upper

149 100

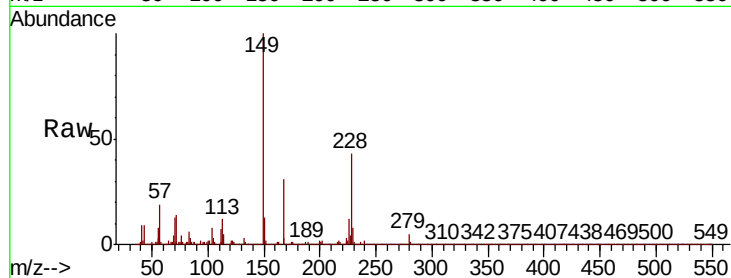
167 31.4 22.4 33.6

279 5.1 3.1 4.7#

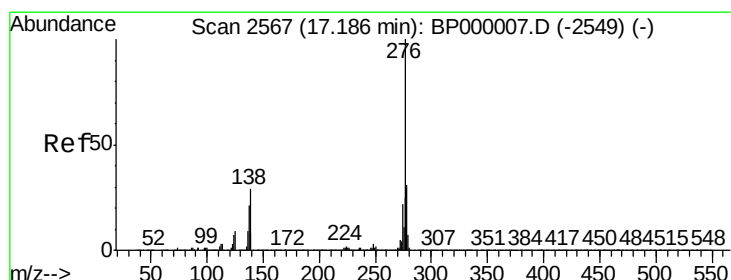
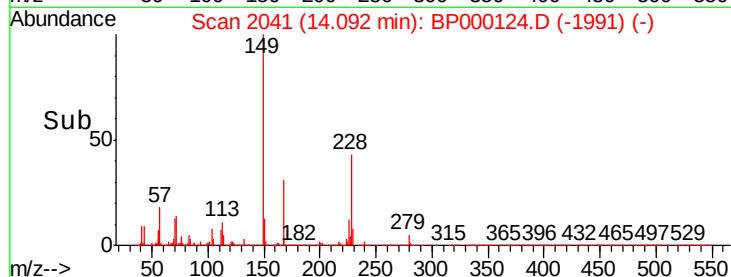
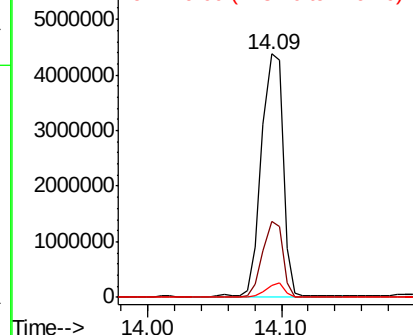
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Abundance Ion 149.00 (148.70 to 149.70): E
6000000
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 17.679 ng

RT: 17.19 min Scan# 2567

Delta R.T. -0.00 min

Lab File: BP000124.D

Acq: 09 Sep 2019 05:37

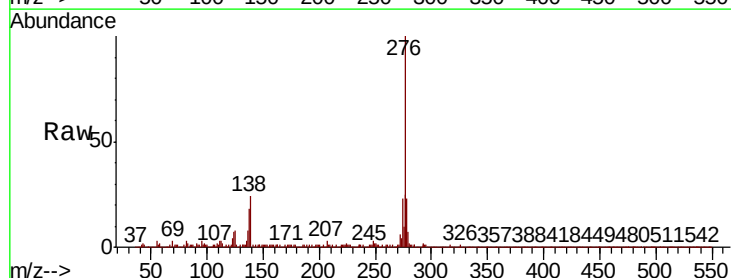
Tgt Ion:276 Resp: 1412332

Ion Ratio Lower Upper

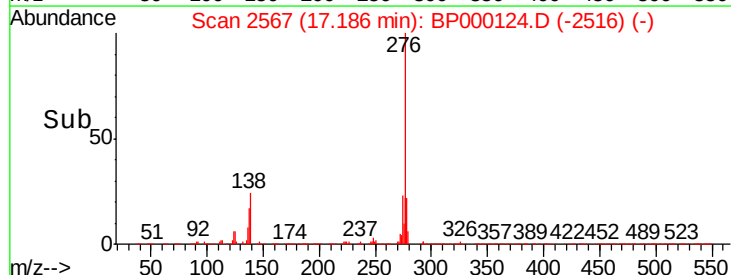
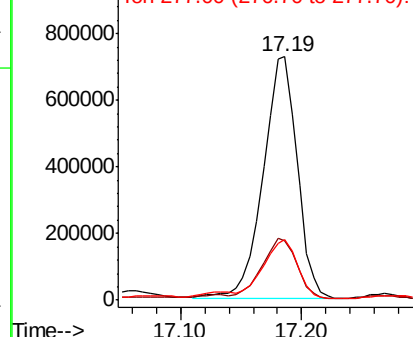
276 100

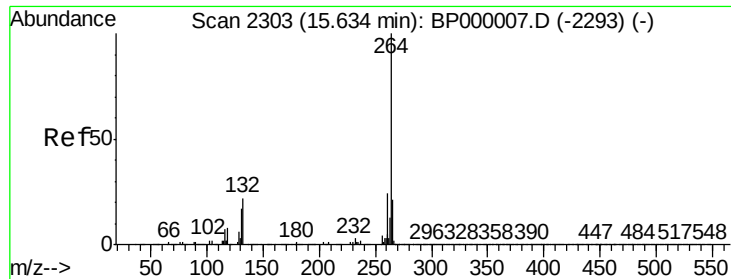
138 26.9 26.5 39.7

277 24.9 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E
1000000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.00 min

Lab File: BP000124.D

Acq: 09 Sep 2019 05:37

Instrument :

BNA_P

ClientSampleId :

SB-33-COMP

Tot Ion:264 Resp: 1169988

Ion Ratio Lower Upper

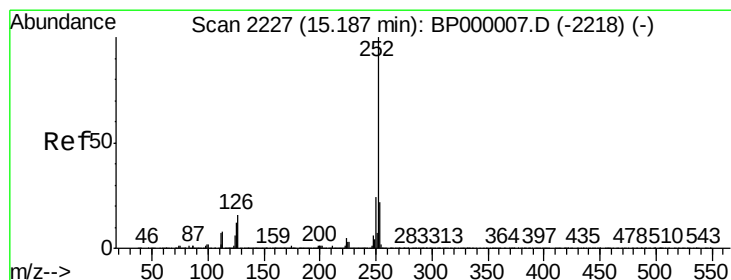
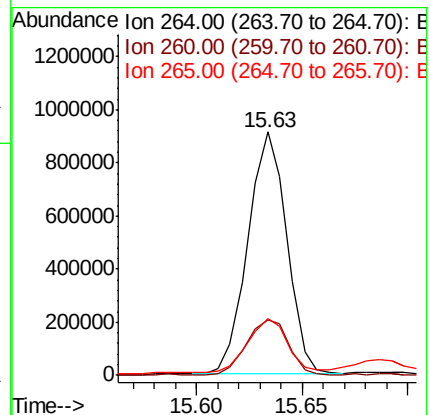
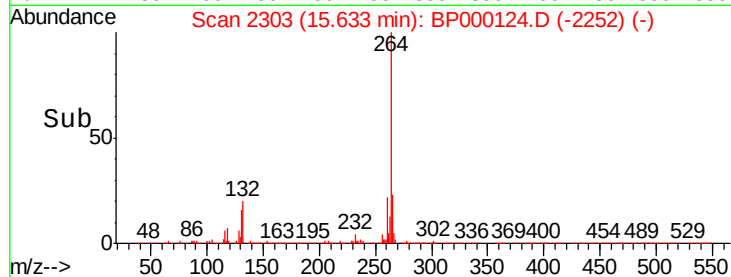
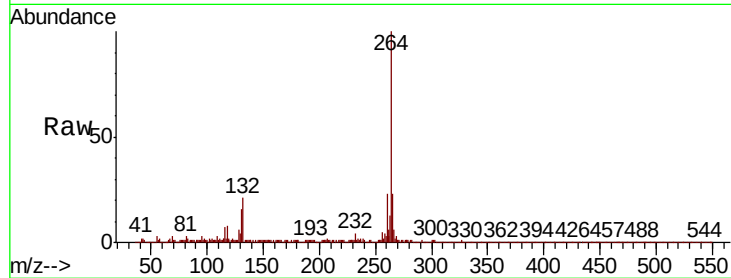
264 100

260 22.8 19.1 28.7

265 23.1 17.1 25.7

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#88

Benzo(b)fluoranthene

Concen: 48.420 ng m

RT: 15.19 min Scan# 2227

Delta R.T. -0.00 min

Lab File: BP000124.D

Acq: 09 Sep 2019 05:37

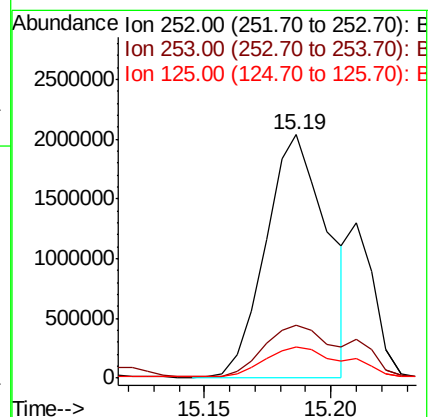
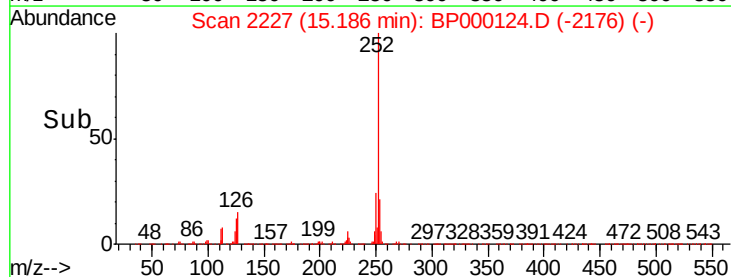
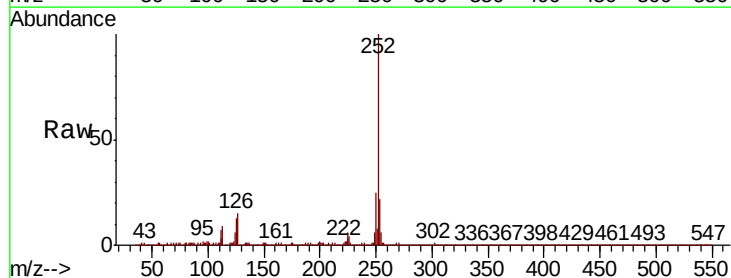
Tgt Ion:252 Resp: 3460331

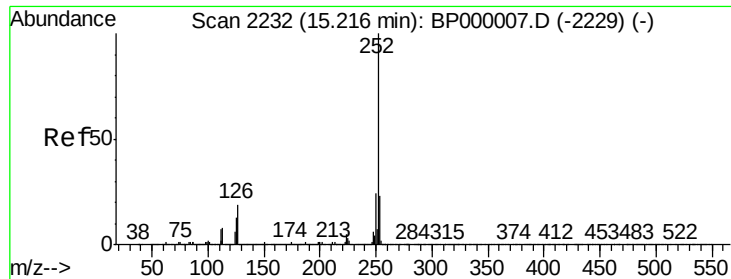
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 13.0 9.4 14.2





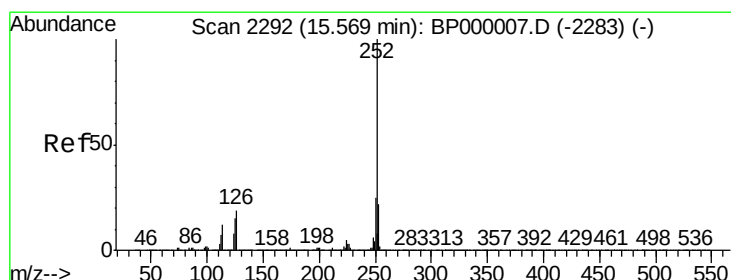
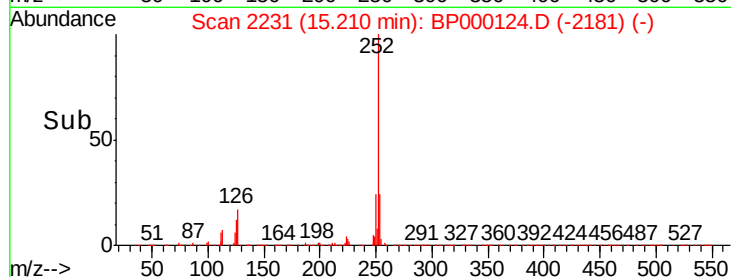
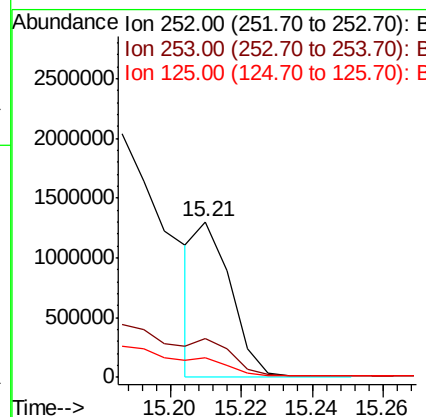
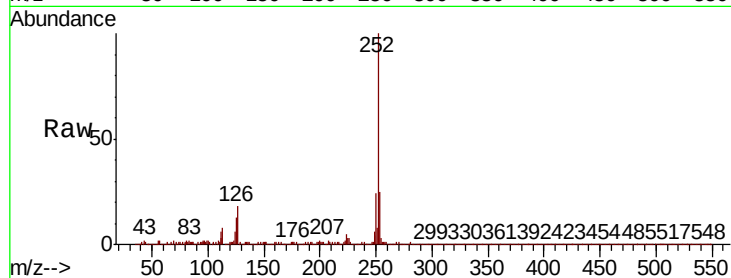
#89
Benzo(k)fluoranthene
Concen: 13.671 ng m
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Instrument :
BNA_P
ClientSampleId :
SB-33-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	12.6	10.3	15.5

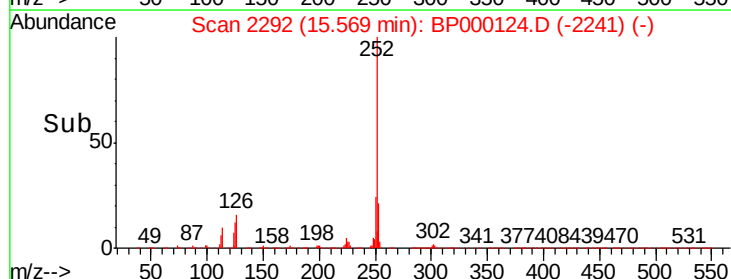
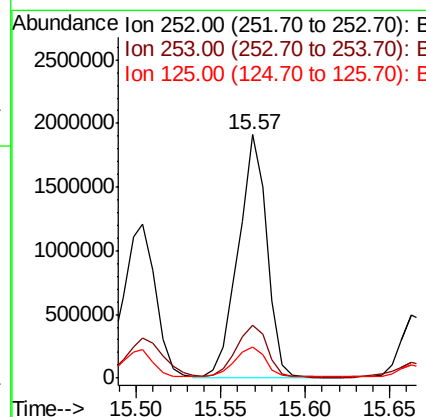
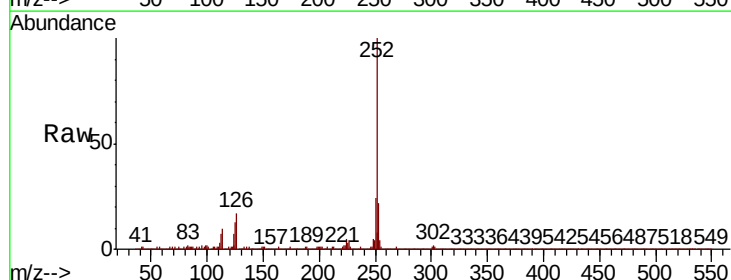
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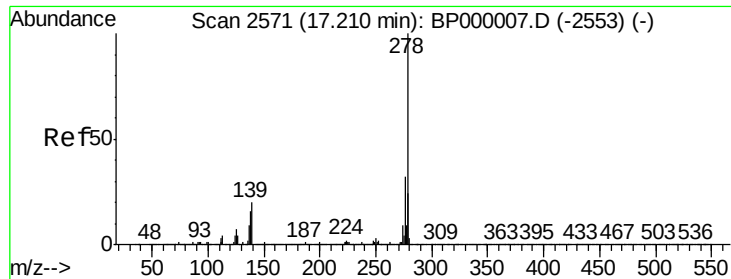
mohammad
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#90
Benzo(a)pyrene
Concen: 34.698 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.00 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	12.7	11.7	17.5





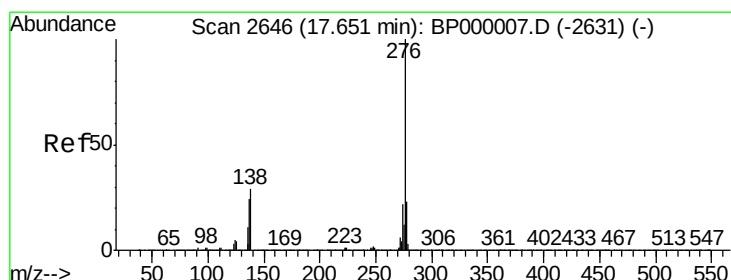
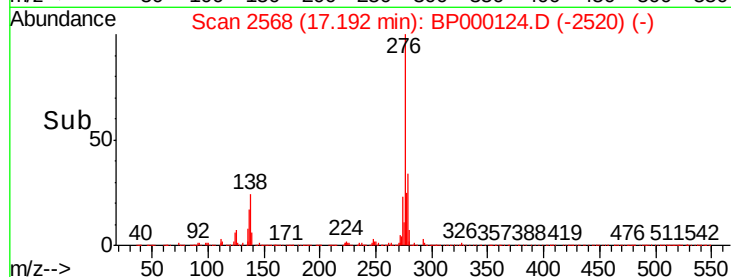
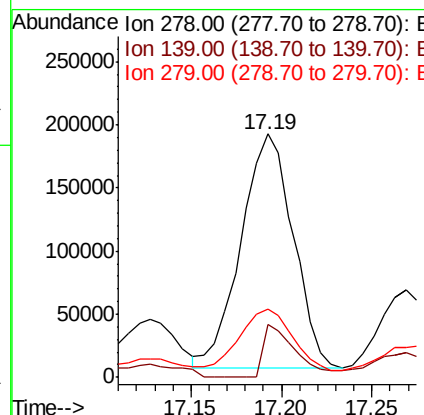
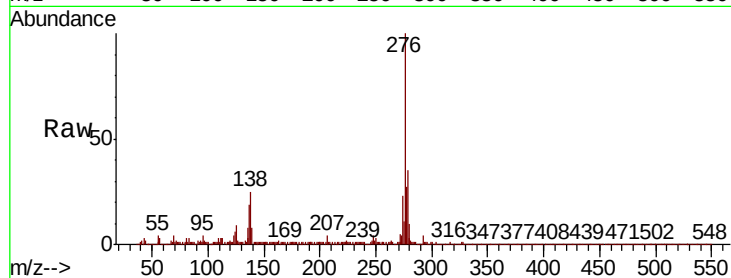
#91
Dibenzo(a,h)anthracene
Concen: 5.738 ng
RT: 17.19 min Scan# 2568
Delta R.T. -0.02 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Instrument :
BNA_P
ClientSampled :
SB-33-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.8	16.4	24.6
279	28.1	19.2	28.8

Manual Integrations
APPROVED

mohammad
9/10/2019 2:51:36 PM



#92
Benzo(g,h,i)perylene
Concen: 20.223 ng
RT: 17.65 min Scan# 2646
Delta R.T. -0.00 min
Lab File: BP000124.D
Acq: 09 Sep 2019 05:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.6	28.0
138	27.4	23.0	34.4

