

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
 Data File : BP000116.D
 Acq On : 09 Sep 2019 02:22
 Operator : HP/JU
 Sample : K4699-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-4(3-4)

Manual Integrations
 APPROVED

mohammad
 9/10/2019 2:51:16 PM

Quant Time: Sep 09 07:56:52 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	459429	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1748972	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	947137	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	1698642	20.00	ng	0.00
76) Chrysene-d12	14.10	240	1228482	20.00	ng	-0.01
87) Perylene-d12	15.62	264	1381747	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	2105604	73.08	ng	0.00
7) Phenol-d6	6.51	99	2766696	76.07	ng	0.00
23) Nitrobenzene-d5	7.45	82	1558800	54.69	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	666404	83.47	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	3197101	56.37	ng	0.00
79) Terphenyl-d14	13.03	244	3277452	58.15	ng	0.00

Target Compounds

						Qvalue
49) Acenaphthylene	9.79	152	273701	3.323	ng	98
50) Dimethylphthalate	9.64	163	467497	7.243	ng	99
52) Acenaphthene	9.96	154	133218	2.578	ng	99
55) Dibenzofuran	10.14	168	153533	2.092	ng	97
58) Fluorene	10.48	166	206954	3.747	ng	99
71) Phenanthrene	11.46	178	4079484	48.185	ng	99
72) Anthracene	11.50	178	1082403	12.942	ng	98
73) Carbazole	11.66	167	520744	6.596	ng	97
75) Fluoranthene	12.66	202	5241251	56.968	ng	97
78) Pyrene	12.89	202	4963069	54.916	ng	99
81) Benzo(a)anthracene	14.09	228	2645634	33.234	ng	98
83) Chrysene	14.13	228	2352081	31.238	ng	97
86) Indeno(1,2,3-cd)pyrene	17.17	276	1621223	17.183	ng	93
88) Benzo(b)fluoranthene	15.17	252	3063445m	36.297	ng	
89) Benzo(k)fluoranthene	15.20	252	847772m	10.977	ng	
90) Benzo(a)pyrene	15.56	252	2261569	29.684	ng	97
91) Dibenzo(a,h)anthracene	17.18	278	372875	4.894	ng	95
92) Benzo(g,h,i)perylene	17.63	276	1627086	21.576	ng	96

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

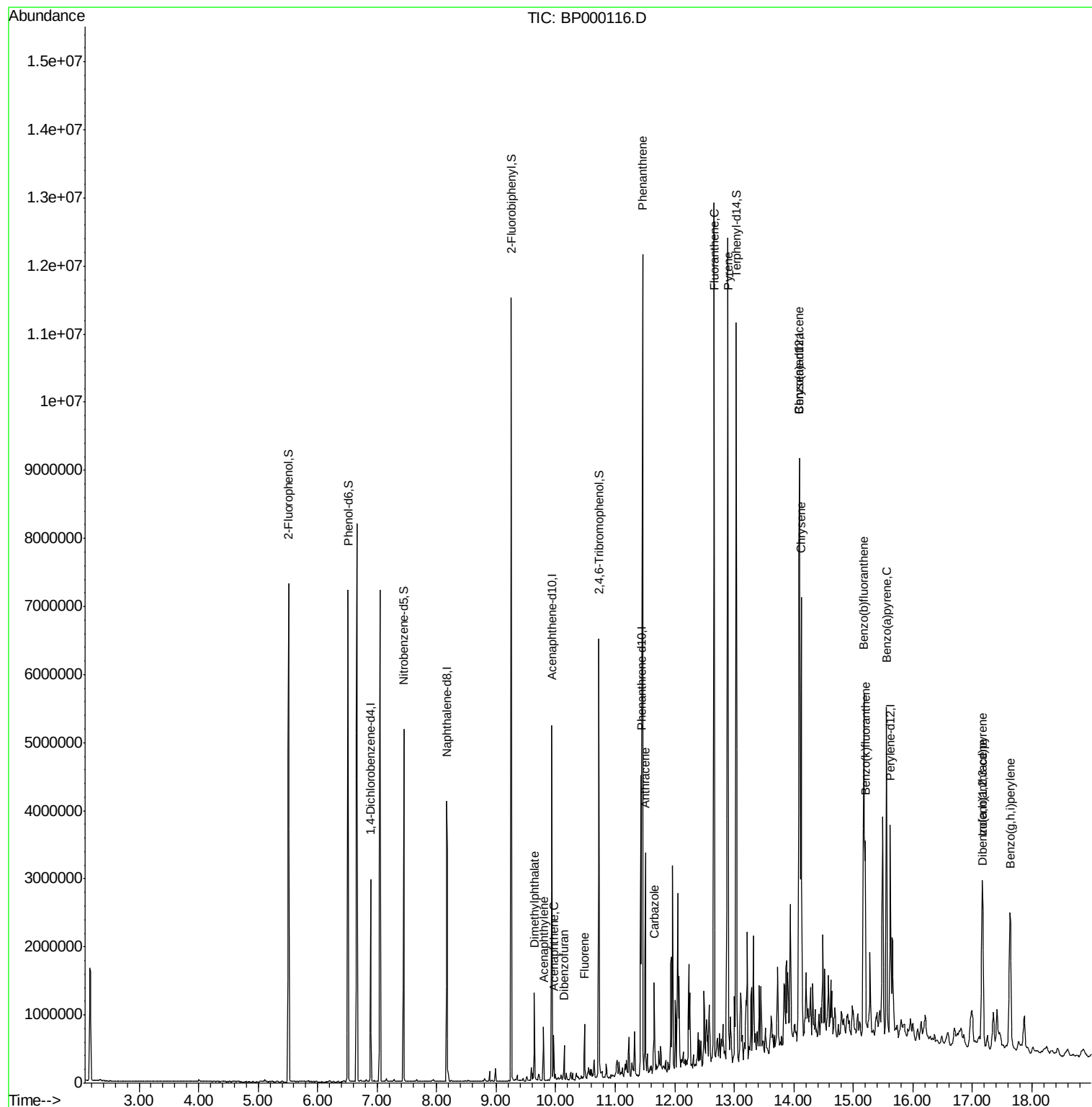
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
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ALS Vial : 14 Sample Multiplier: 1

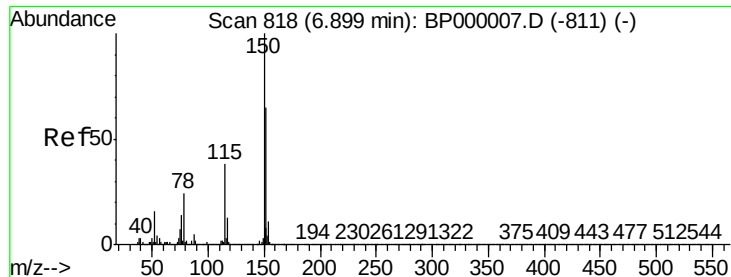
Instrument :
BNA_P
ClientSampleId :
B-4(3-4)

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#1

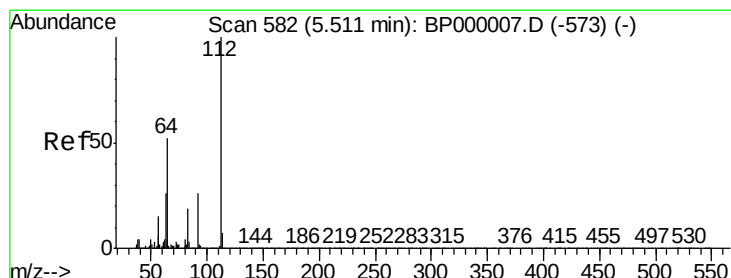
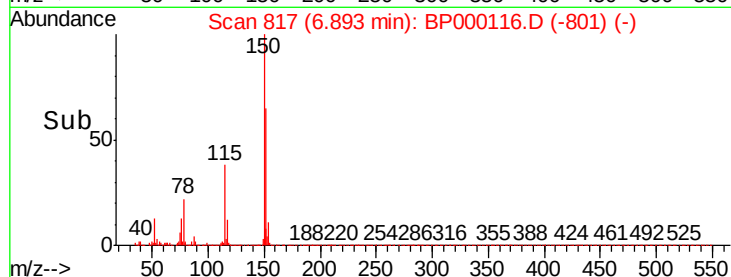
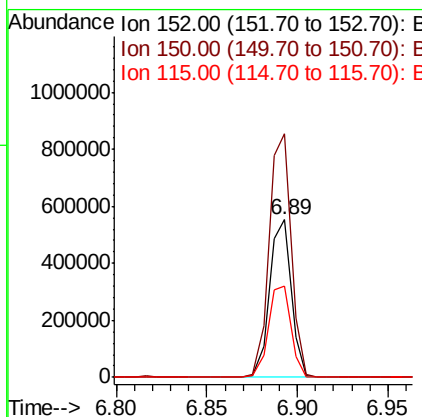
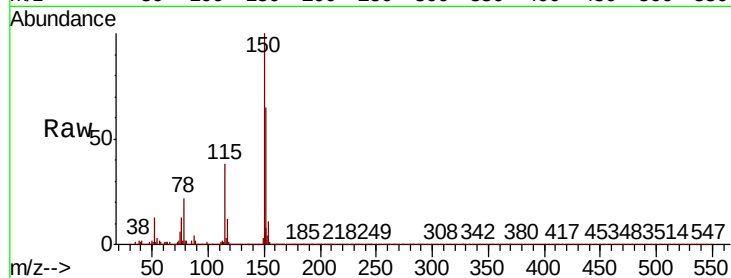
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Instrument :
BNA_P
ClientSampleId :
B-4(3-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	123.0	184.6
115	58.1	46.7	70.1

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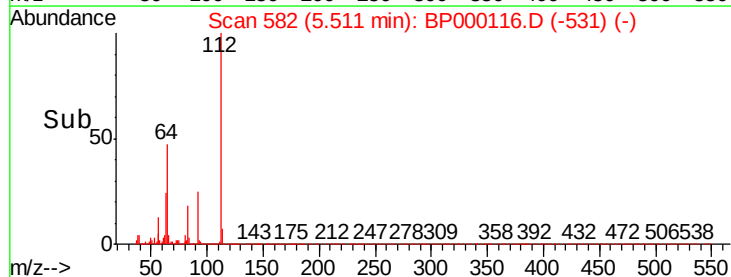
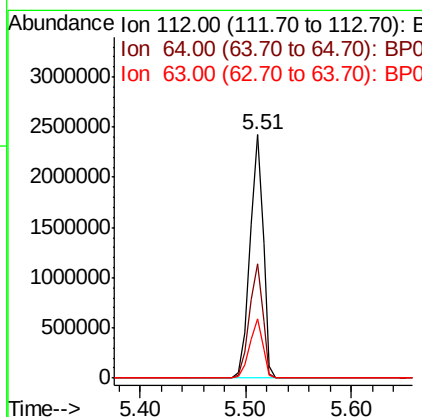
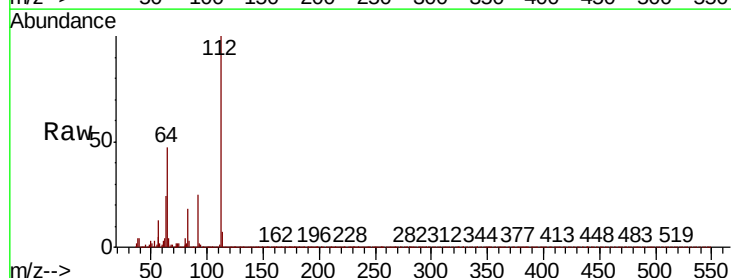
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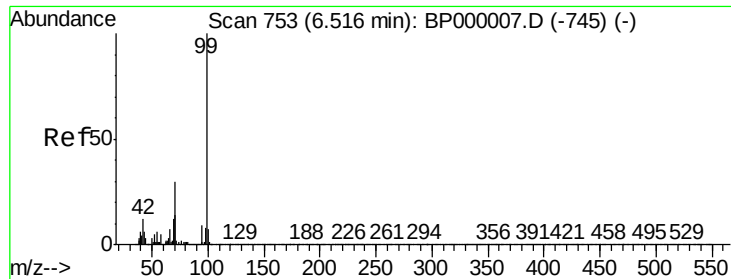


#5

2-Fluorophenol
Concen: 73.083 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.00 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.9	41.8	62.8
63	24.4	21.0	31.4





#7

Phenol-d6

Concen: 76.067 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BP000116.D

Acq: 09 Sep 2019 02:22

Instrument :

BNA_P

ClientSampleId :

B-4(3-4)

Tot Ion: 99 Resp: 2766696

Ion Ratio Lower Upper

99 100

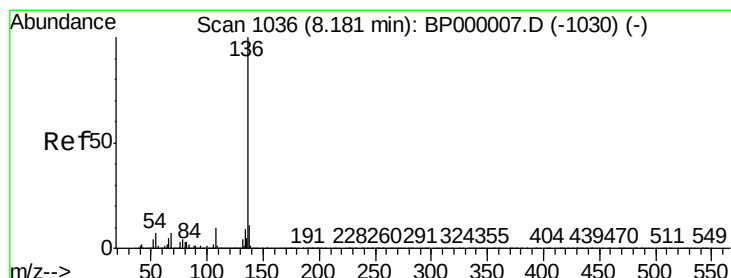
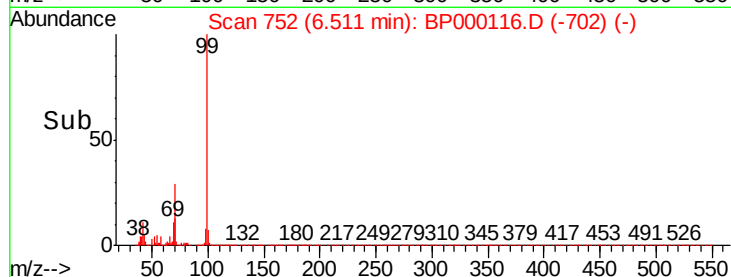
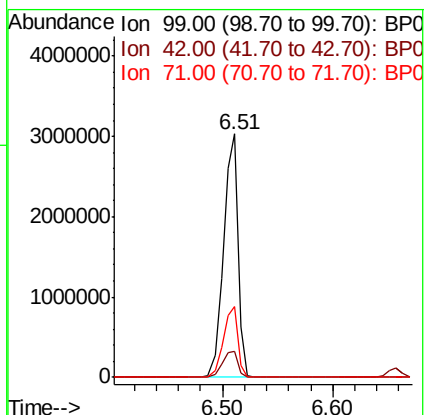
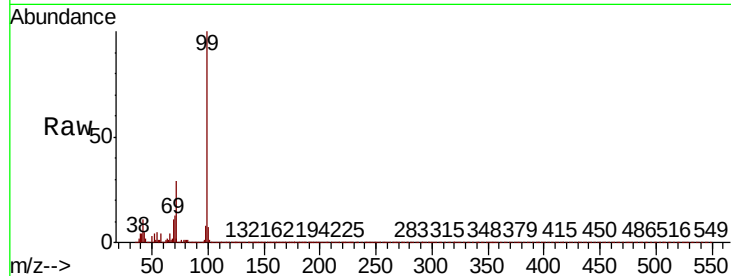
42 10.9 9.8 14.8

71 28.9 23.8 35.8

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BP000116.D

Acq: 09 Sep 2019 02:22

Tgt Ion: 136 Resp: 1748972

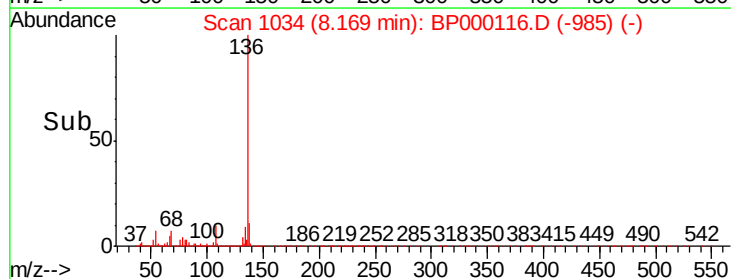
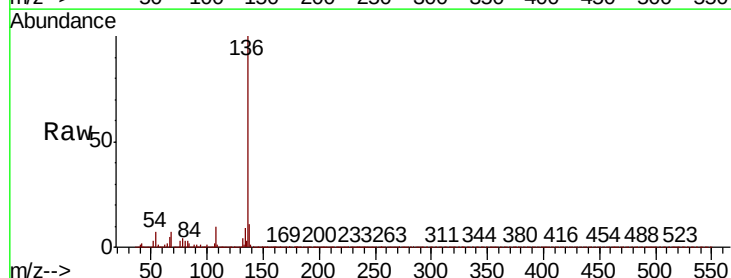
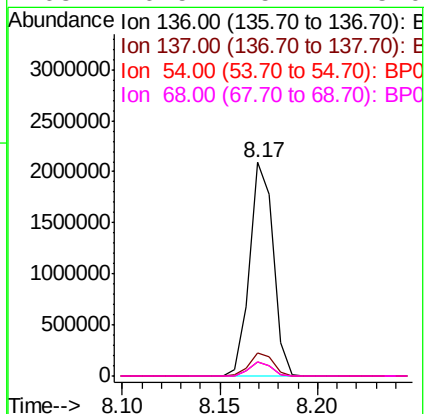
Ion Ratio Lower Upper

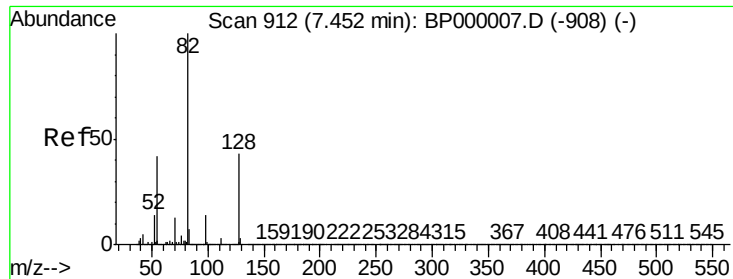
136 100

137 11.1 8.6 13.0

54 6.6 5.4 8.2

68 6.5 5.4 8.0





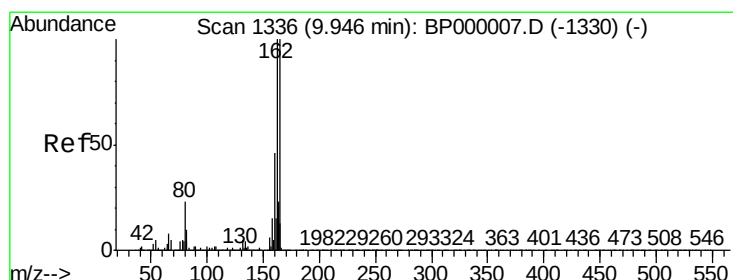
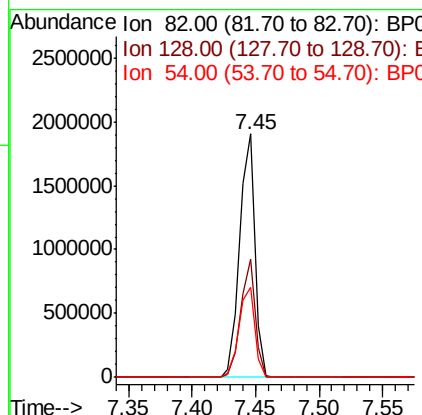
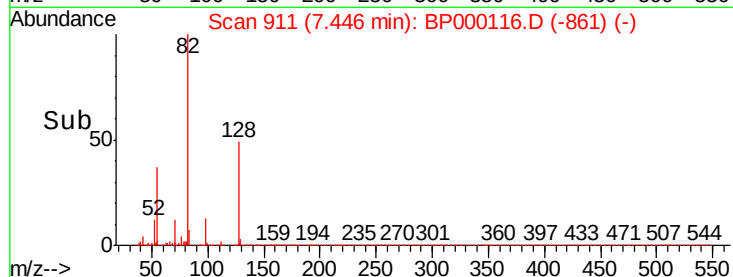
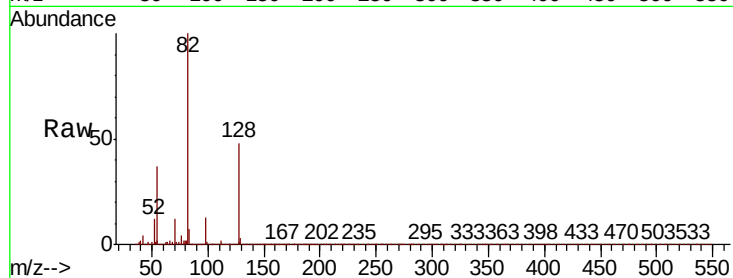
#23
Nitrobenzene-d5
Concen: 54.688 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Instrument :
BNA_P
ClientSampled :
B-4(3-4)

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	34.5	51.7
54	37.0	33.2	49.8

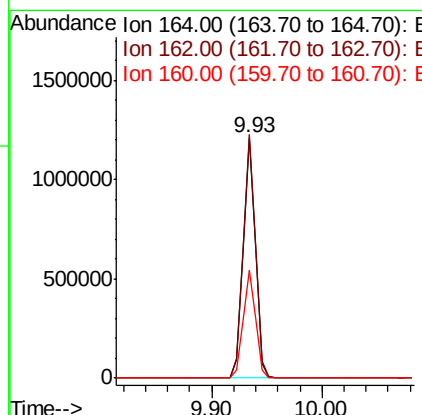
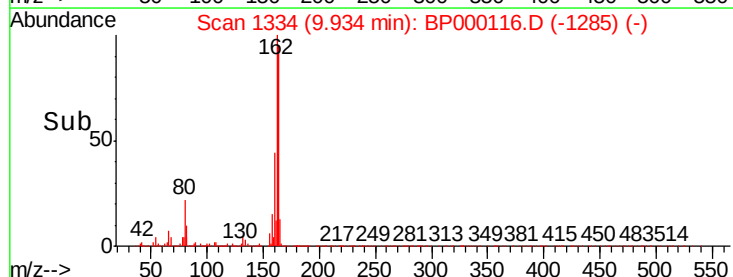
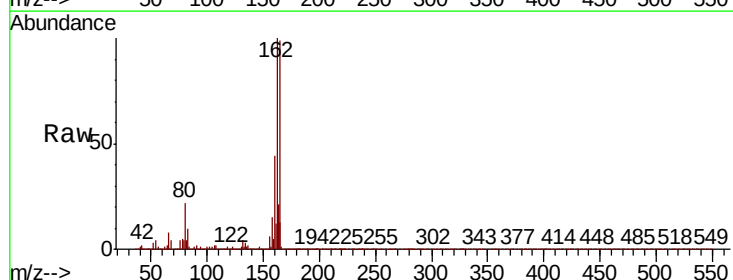
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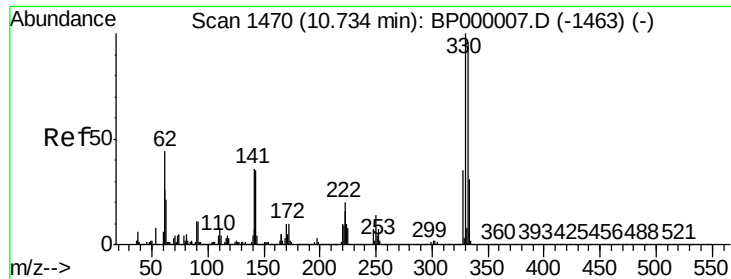
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.2	120.4
160	45.1	36.6	55.0





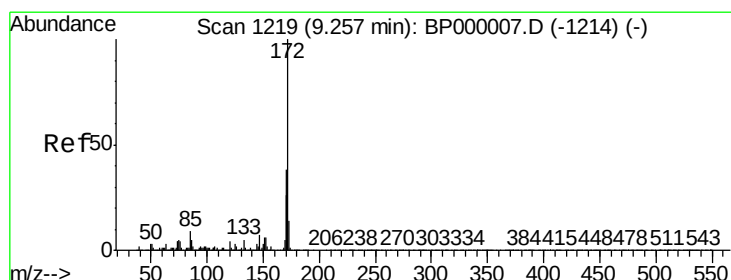
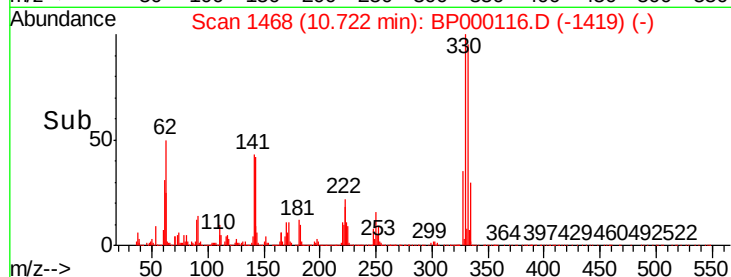
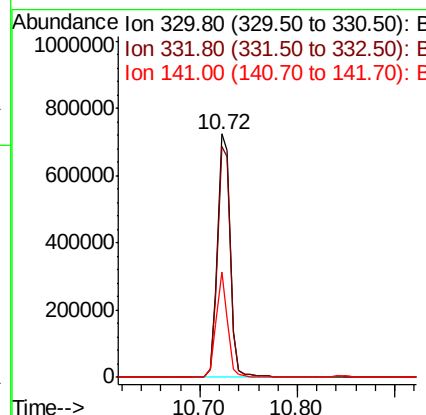
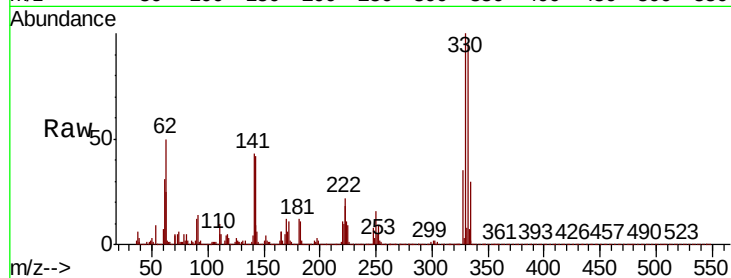
#42
2,4,6-Tribromophenol
Concen: 83.474 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.01 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Instrument :
BNA_P
ClientSampled :
B-4(3-4)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.8	115.2
141	38.3	33.6	50.4

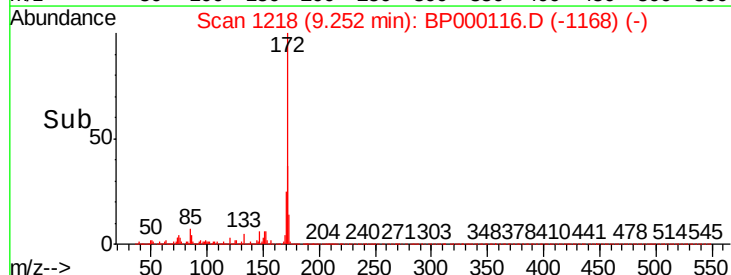
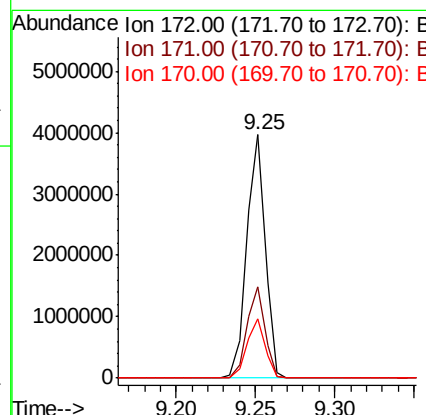
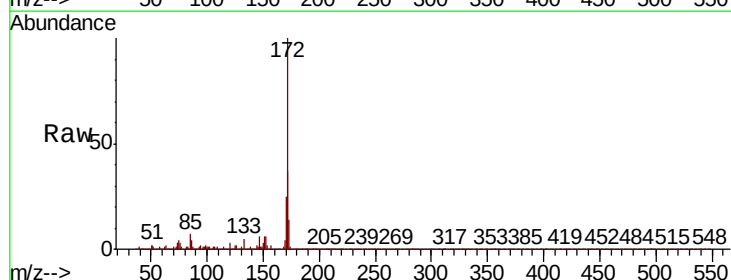
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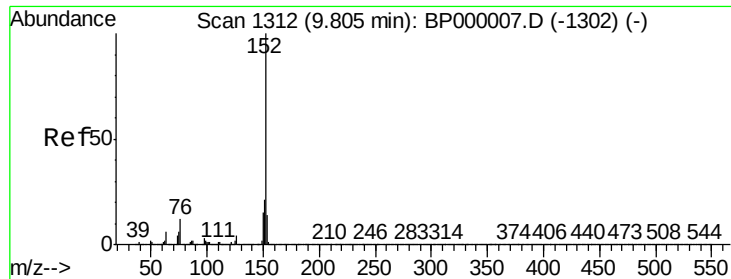
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#45
2-Fluorobiphenyl
Concen: 56.371 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.7	46.1
170	24.5	20.7	31.1





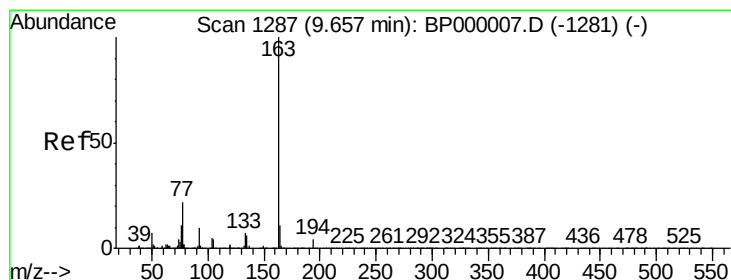
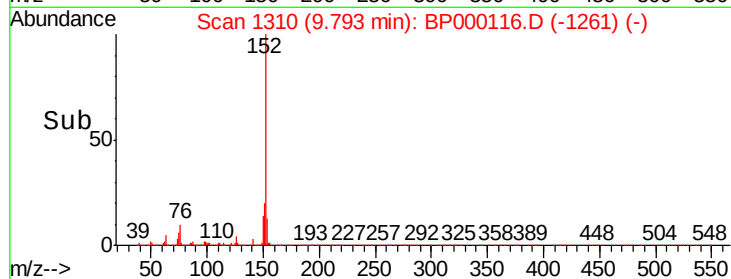
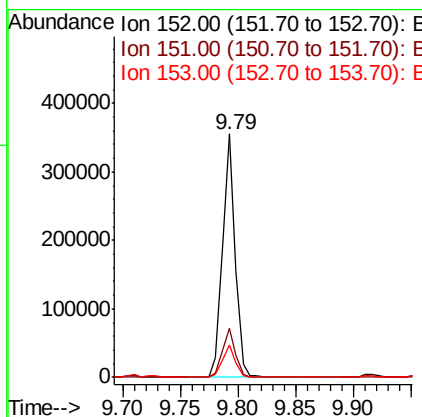
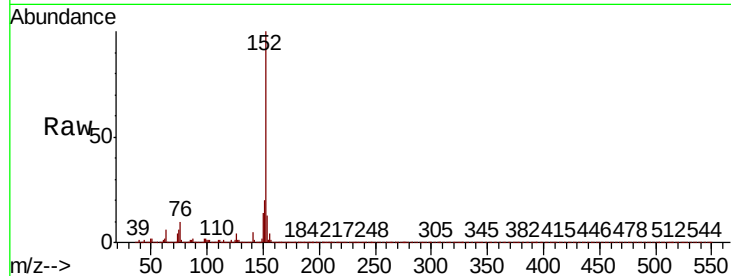
#49
Acenaphthylene
Concen: 3.323 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Instrument :
BNA_P
ClientSampleId :
B-4(3-4)

Tot Ion:	152	Resp:	273701
Ion Ratio	Lower	Upper	
152	100		
151	20.0	17.0	25.6
153	13.4	11.0	16.6

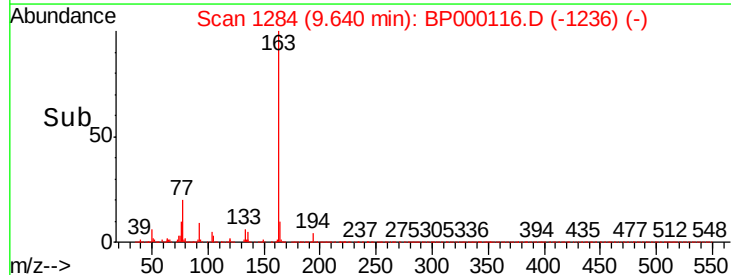
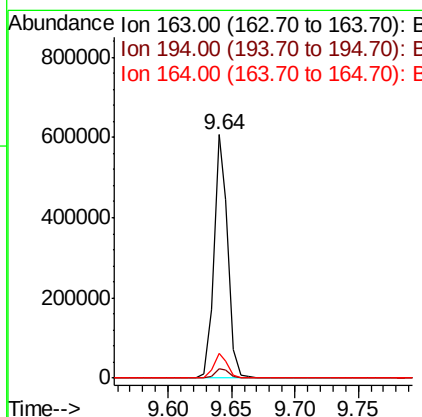
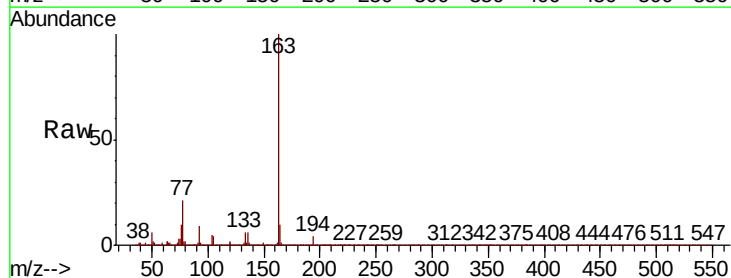
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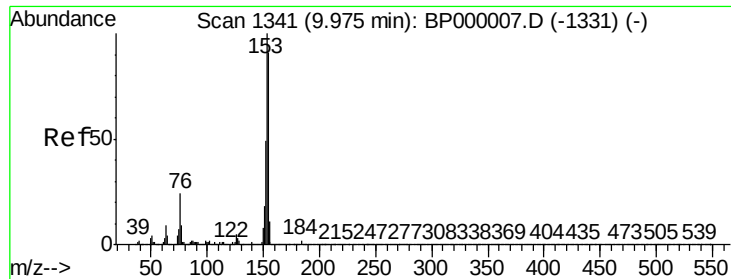
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#50
Dimethylphthalate
Concen: 7.243 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Tgt Ion:	163	Resp:	467497
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.3	4.9
164	10.0	8.4	12.6





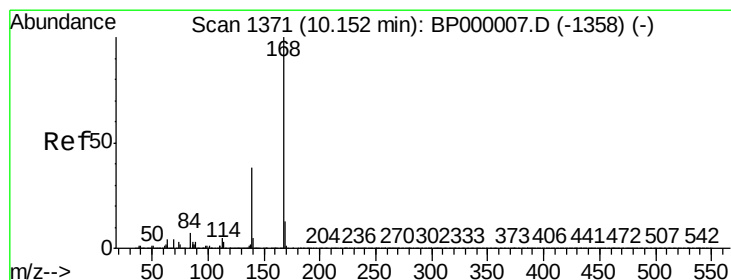
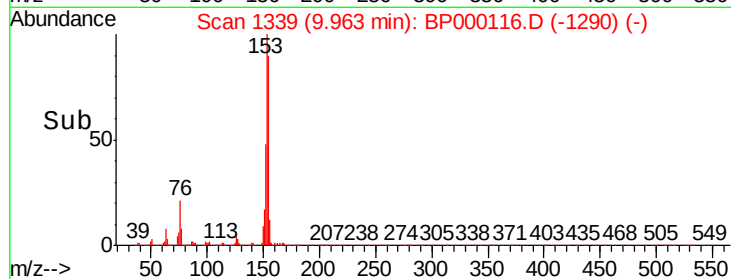
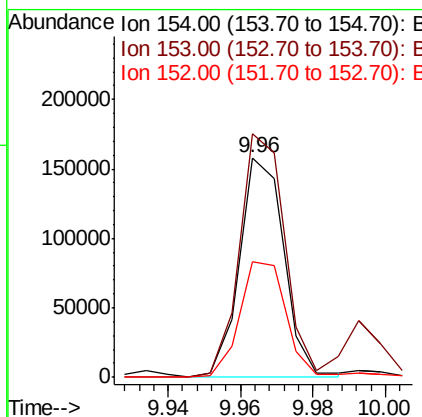
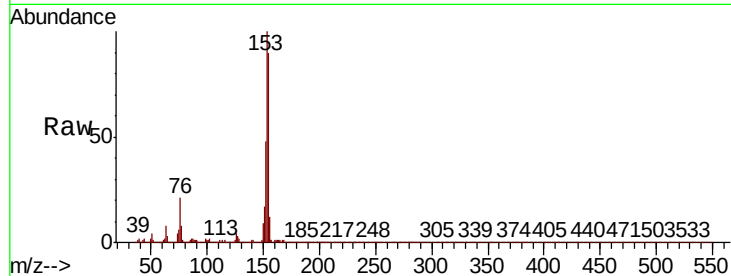
#52
Acenaphthene
Concen: 2.578 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Instrument :
BNA_P
ClientSampleId :
B-4(3-4)

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.0	88.2	132.2
152	53.0	42.9	64.3

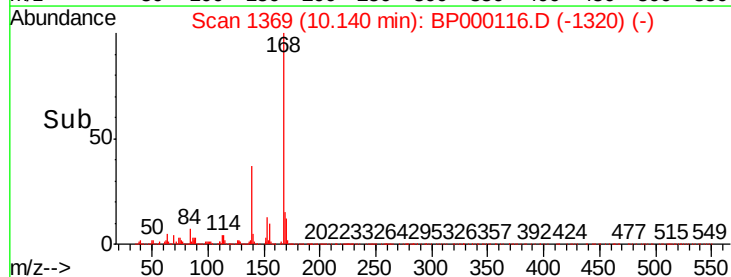
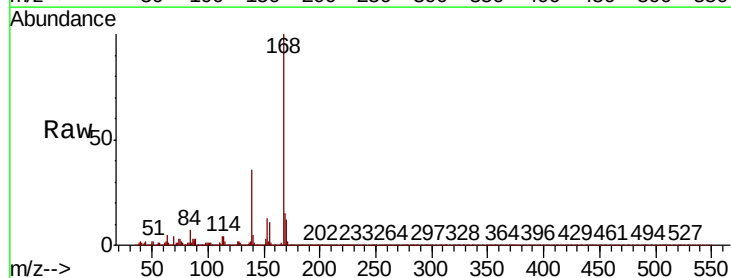
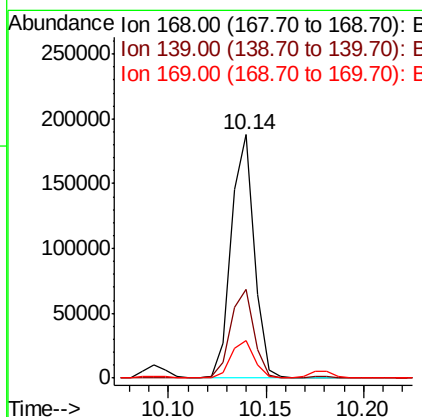
Manual Integrations
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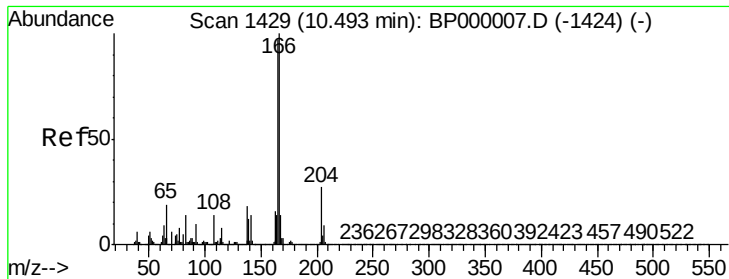
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#55
Dibenzofuran
Concen: 2.092 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.5	30.2	45.2
169	15.4	10.7	16.1





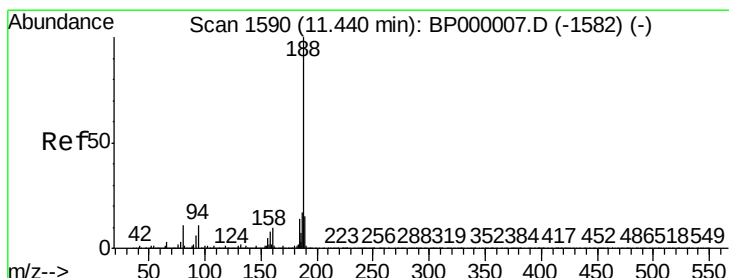
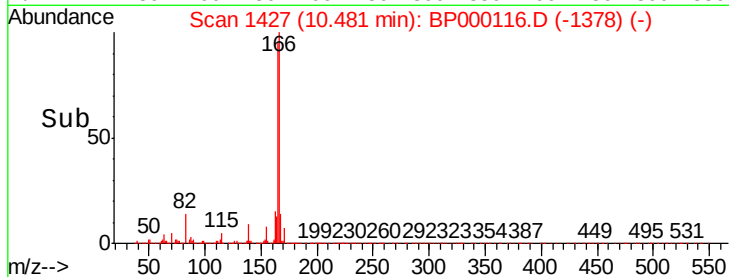
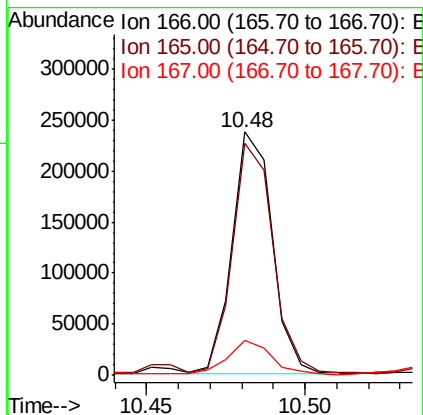
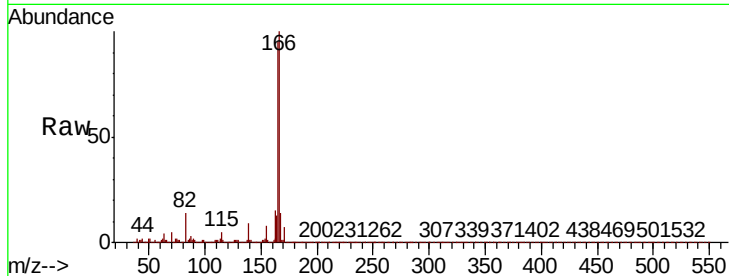
#58
 Fluorene
 Concen: 3.747 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BP000116.D
 Acq: 09 Sep 2019 02:22

Instrument :
 BNA_P
 ClientSampleId :
 B-4(3-4)

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.5	77.3	115.9
167	14.2	11.0	16.6

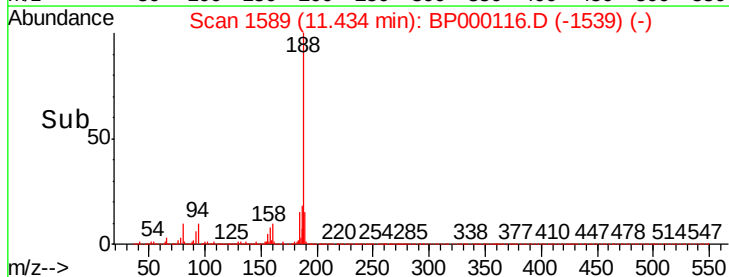
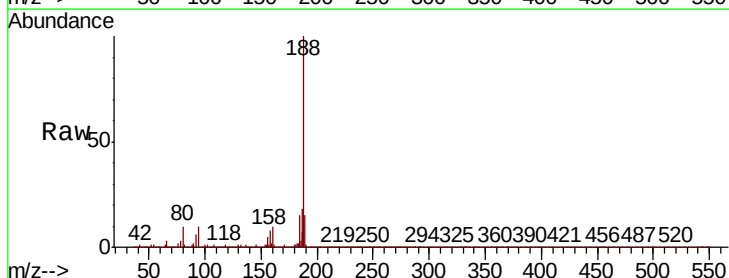
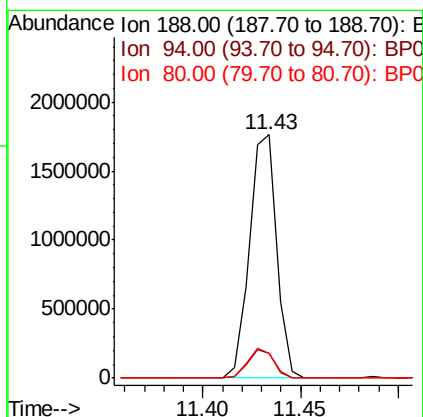
Manual Integrations
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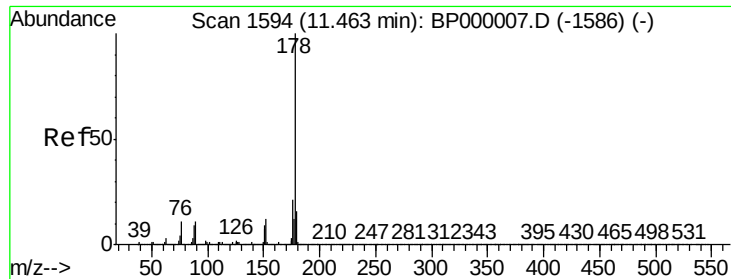
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BP000116.D
 Acq: 09 Sep 2019 02:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.8	13.2
80	10.1	9.0	13.6





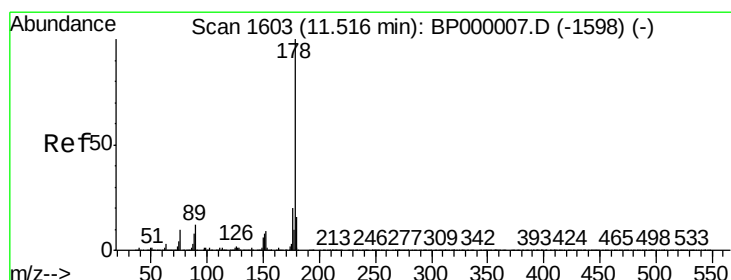
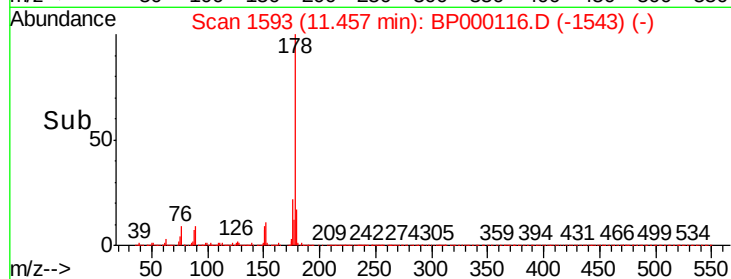
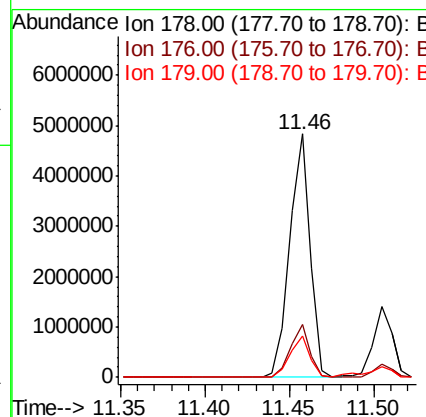
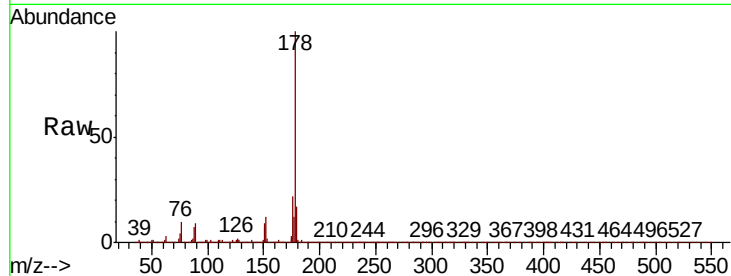
#71
Phenanthrene
Concen: 48.185 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Instrument :
BNA_P
ClientSampleId :
B-4(3-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.6	16.7	25.1
179	17.0	13.1	19.7

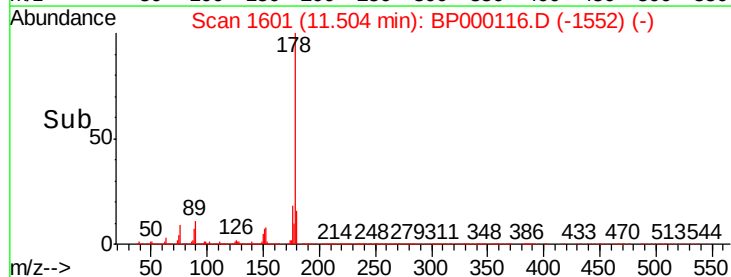
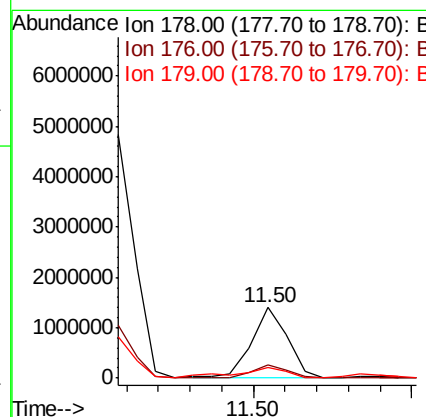
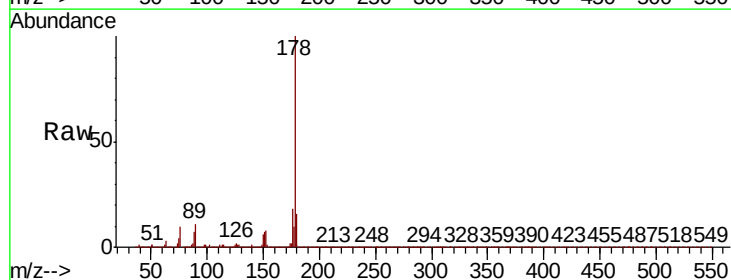
Manual Integrations
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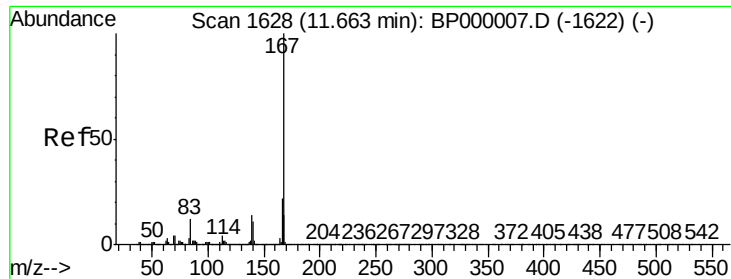
mohammad
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#72
Anthracene
Concen: 12.942 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.9	23.9
179	15.7	13.0	19.6





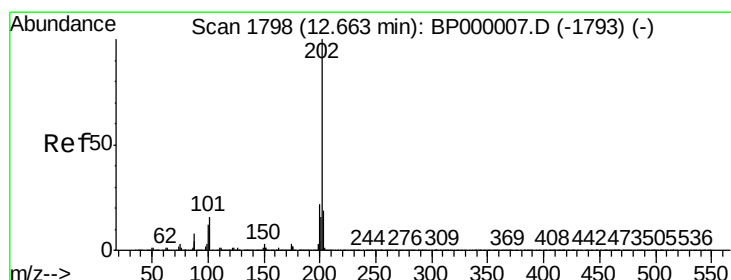
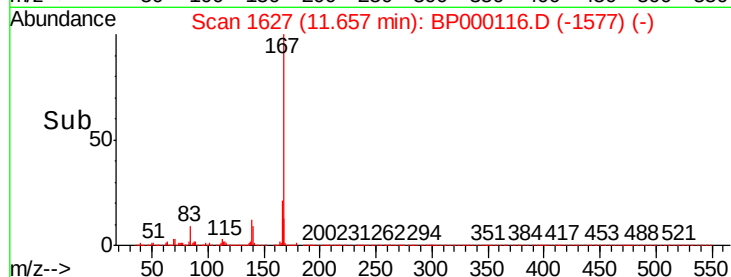
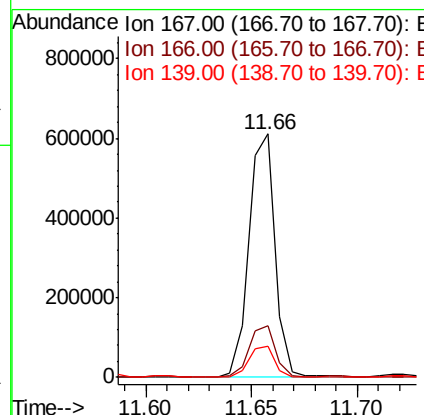
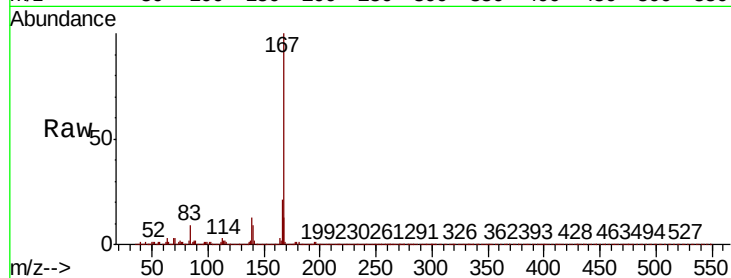
#73
 Carbazole
 Concen: 6.596 ng
 RT: 11.66 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: BP000116.D
 Acq: 09 Sep 2019 02:22

Instrument :
 BNA_P
 ClientSampleId :
 B-4(3-4)

Tot Ion:	167	Resp:	520744
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.9	26.9
139	12.5	11.4	17.2

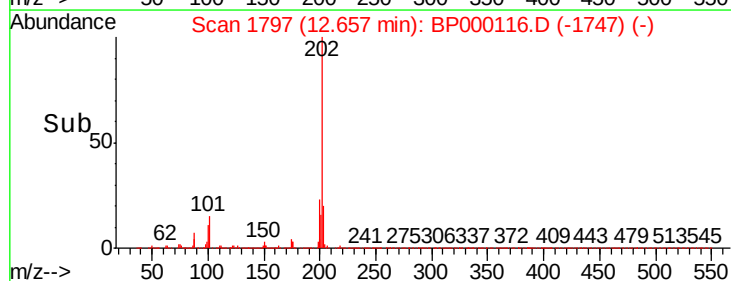
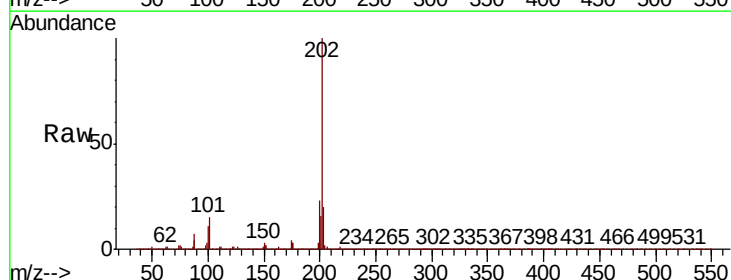
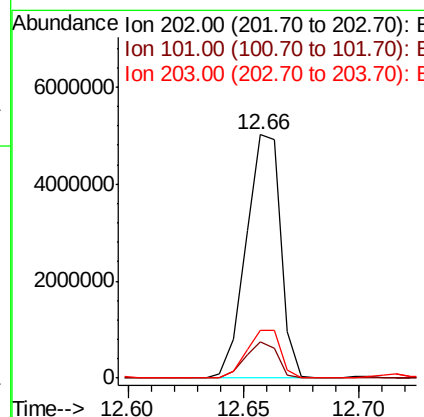
Manual Integrations
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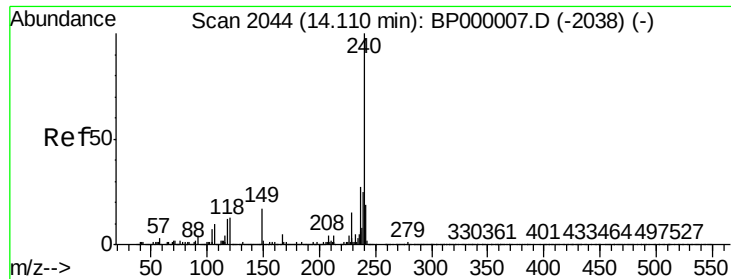
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#75
 Fluoranthene
 Concen: 56.968 ng
 RT: 12.66 min Scan# 1797
 Delta R.T. -0.01 min
 Lab File: BP000116.D
 Acq: 09 Sep 2019 02:22

Tgt Ion:	202	Resp:	5241251
Ion Ratio	Lower	Upper	
202	100		
101	14.7	0.0	36.4
203	19.9	0.0	38.7





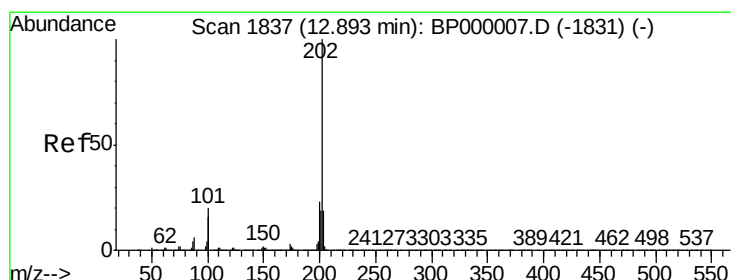
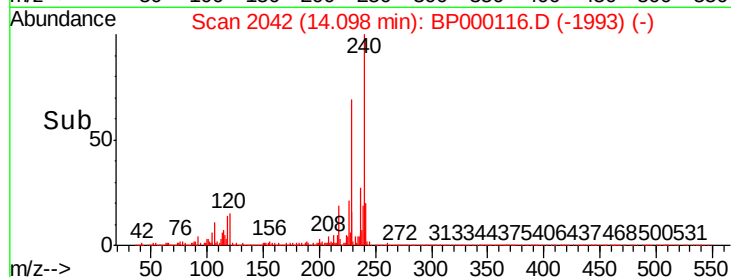
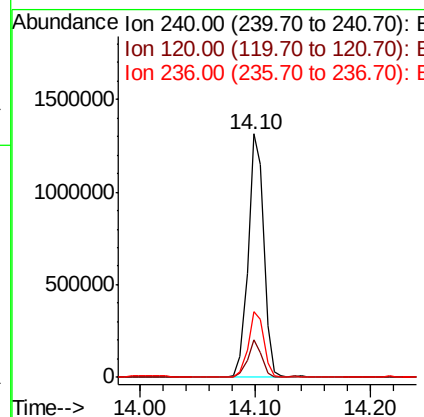
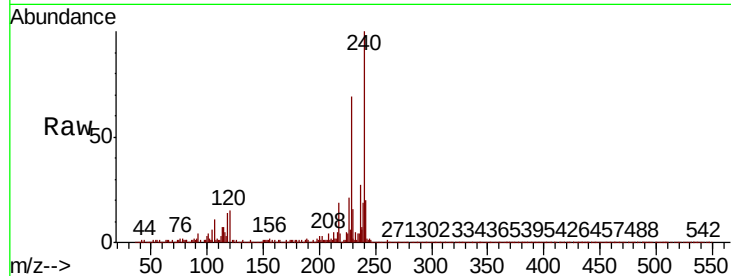
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Instrument :
BNA_P
ClientSampleId :
B-4(3-4)

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.4	10.5	15.7
236	27.0	21.5	32.3

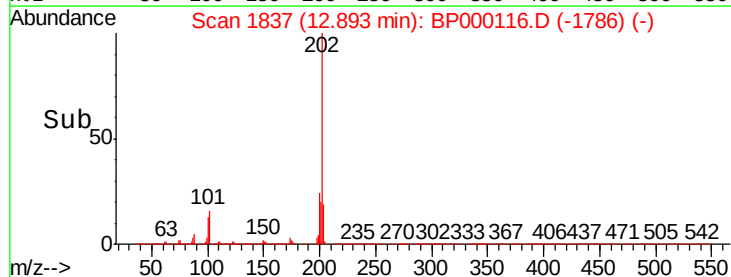
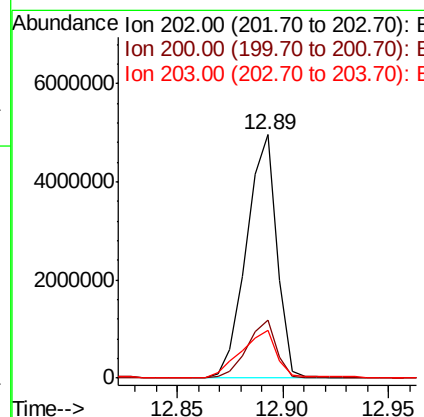
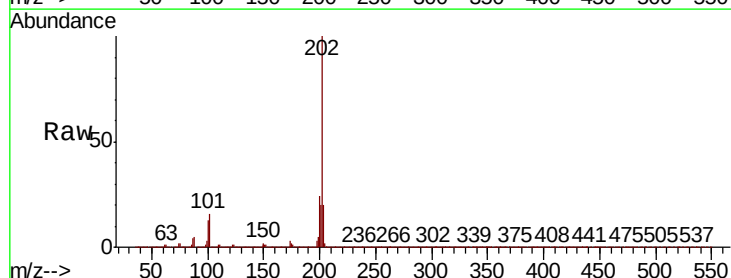
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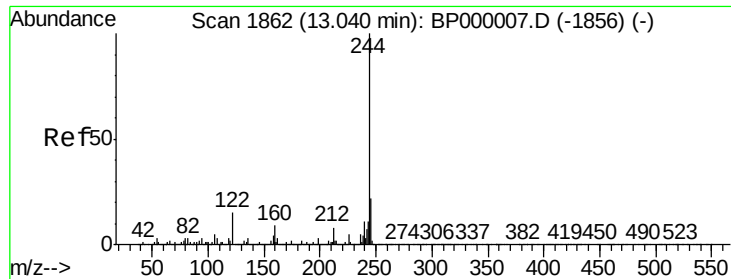
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#78
Pyrene
Concen: 54.916 ng
RT: 12.89 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.7	18.5	27.7
203	19.5	15.1	22.7





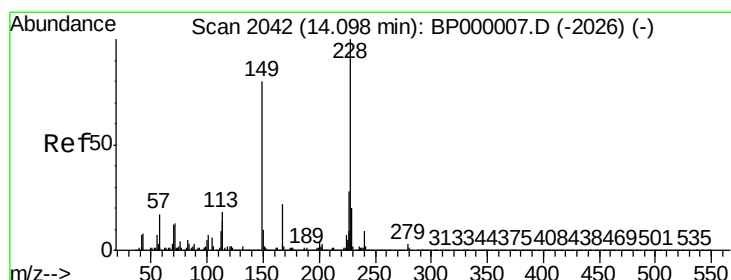
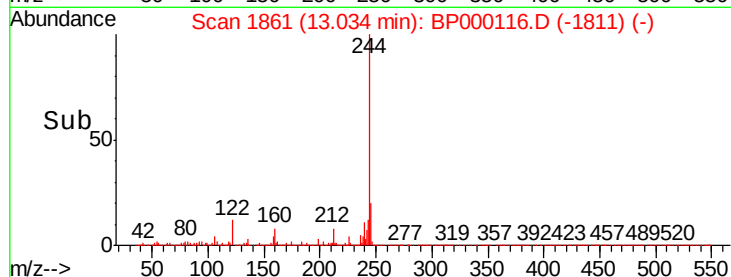
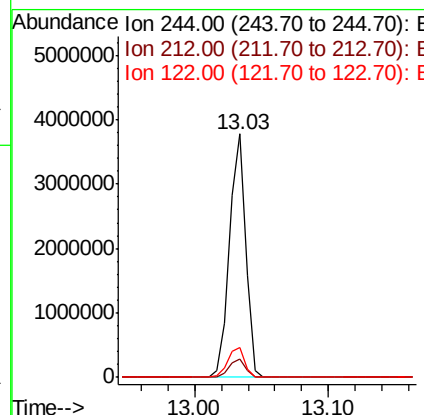
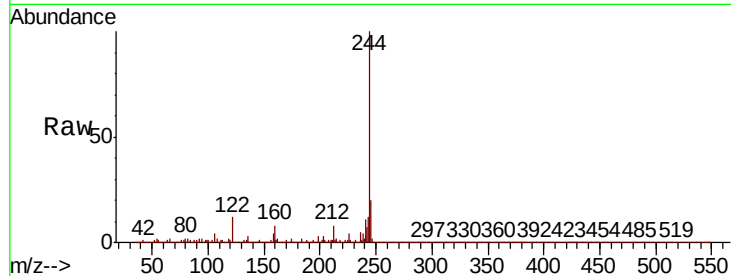
#79
 Terphenyl-d14
 Concen: 58.150 ng
 RT: 13.03 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: BP000116.D
 Acq: 09 Sep 2019 02:22

Instrument :
 BNA_P
 ClientSampled :
 B-4(3-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.6	10.0
122	12.2	12.3	18.5#

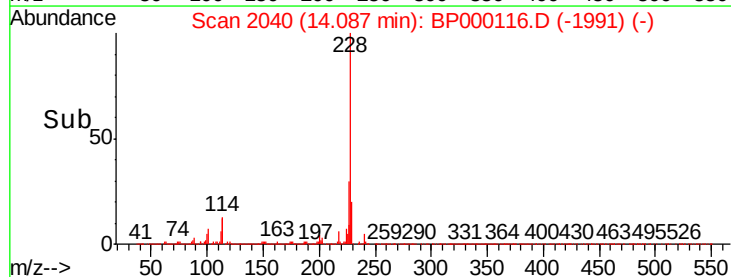
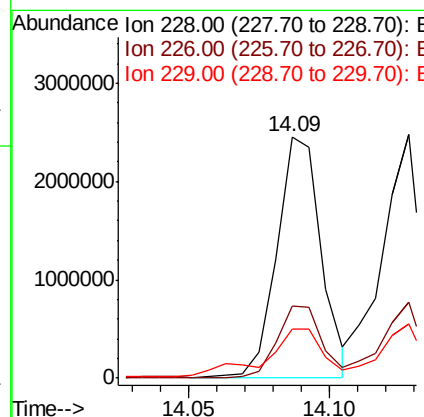
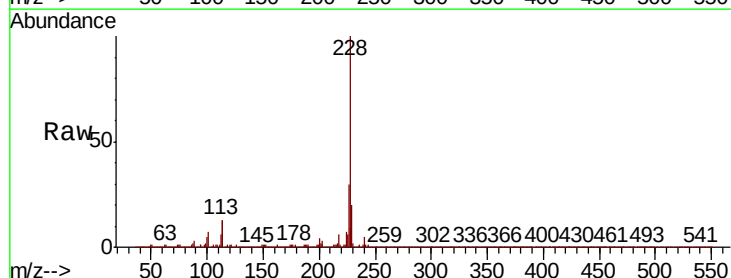
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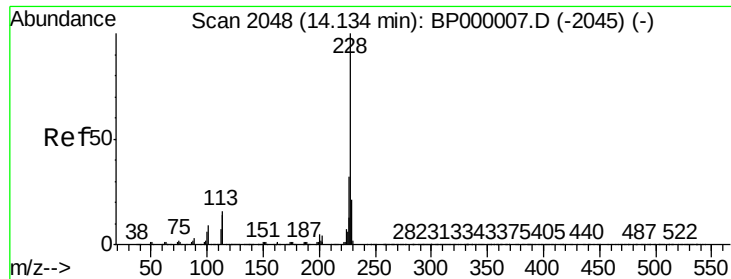
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#81
 Benzo(a)anthracene
 Concen: 33.234 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. -0.01 min
 Lab File: BP000116.D
 Acq: 09 Sep 2019 02:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.5	33.7
229	20.5	16.2	24.2





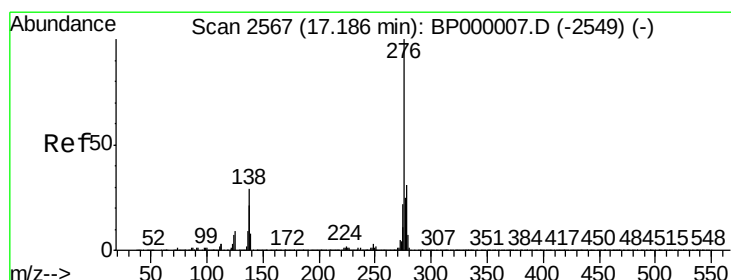
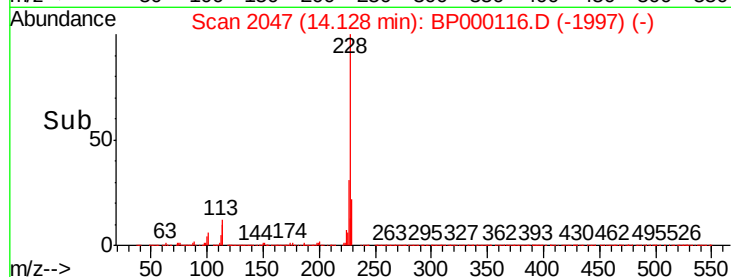
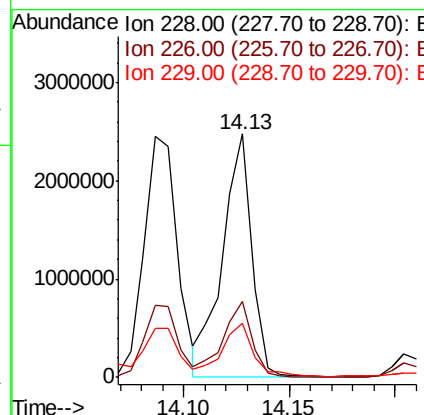
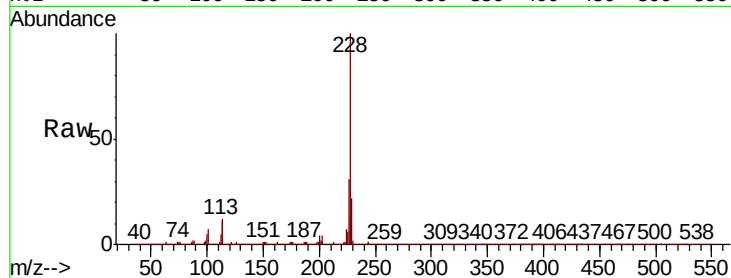
#83
Chrysene
Concen: 31.238 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Instrument :
BNA_P
ClientSampleId :
B-4(3-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.5	38.3
229	22.4	16.5	24.7

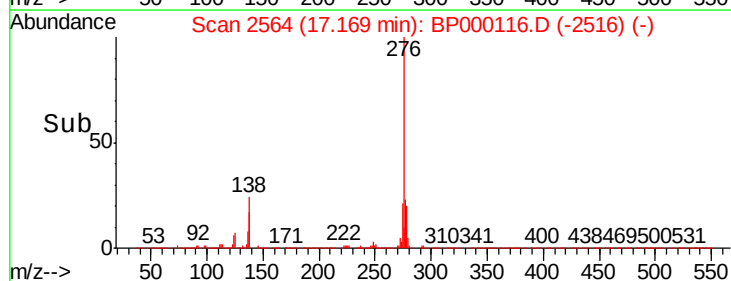
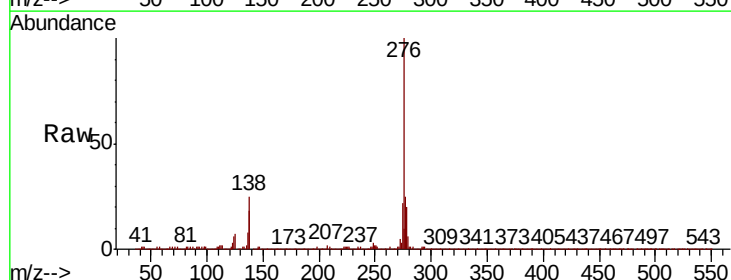
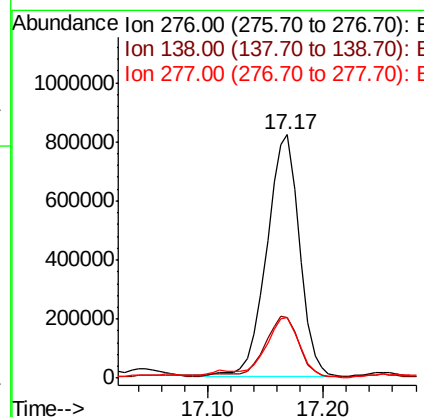
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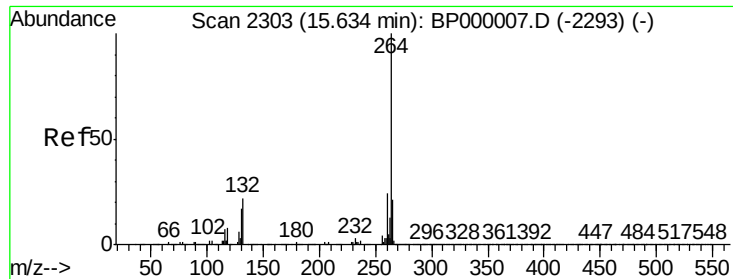
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#86
Indeno(1,2,3-cd)pyrene
Concen: 17.183 ng
RT: 17.17 min Scan# 2564
Delta R.T. -0.02 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	26.5	39.7
277	24.8	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BP000116.D

Acq: 09 Sep 2019 02:22

Instrument :

BNA_P

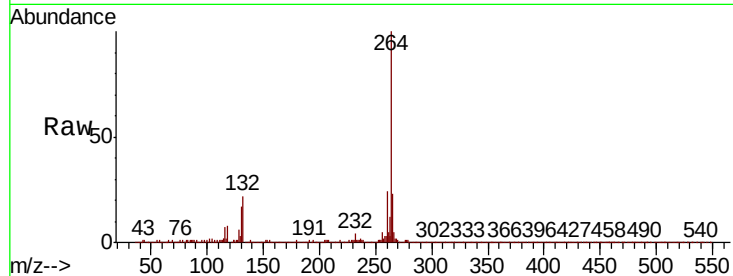
ClientSampled :

B-4(3-4)

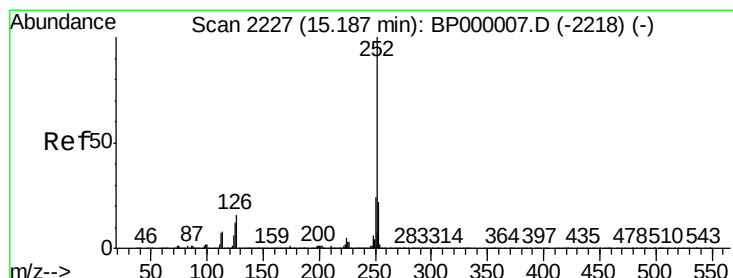
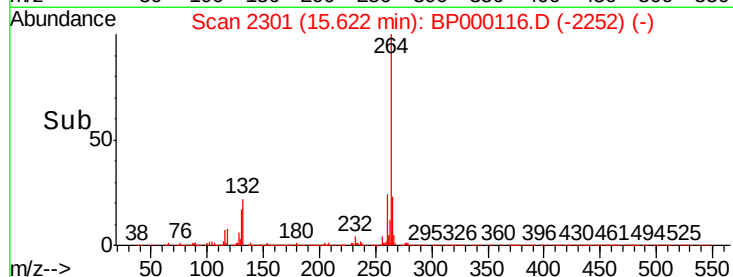
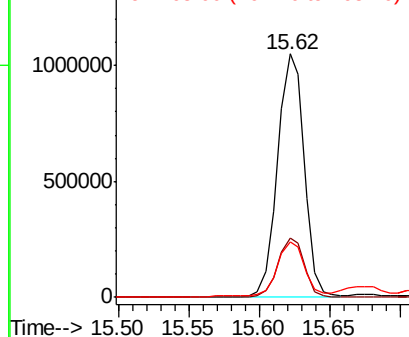
Tot Ion:	264	Resp:	1381747
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.1	28.7
265	23.0	17.1	25.7

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 36.297 ng m

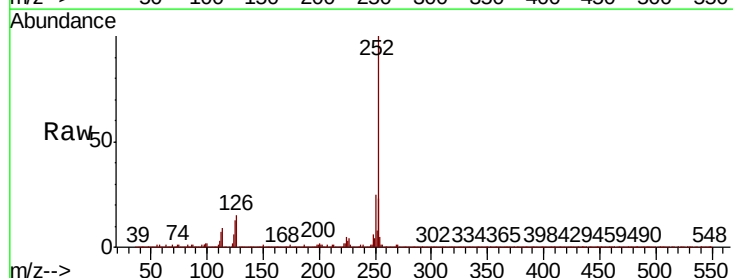
RT: 15.17 min Scan# 2225

Delta R.T. -0.01 min

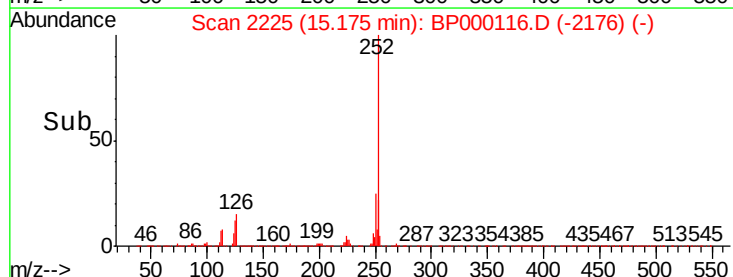
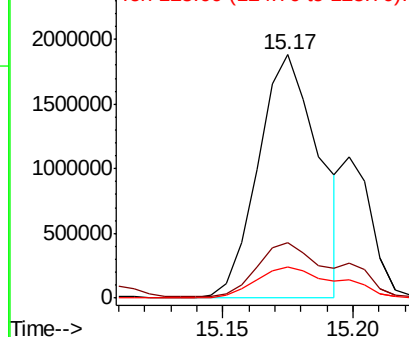
Lab File: BP000116.D

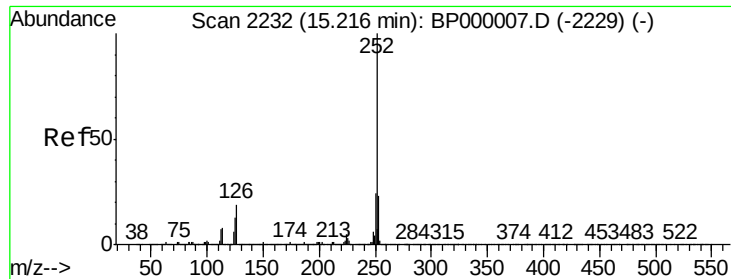
Acq: 09 Sep 2019 02:22

Tgt Ion:	252	Resp:	3063445
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.6
125	12.7	9.4	14.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





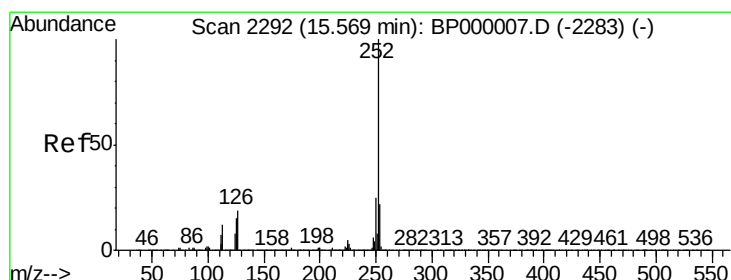
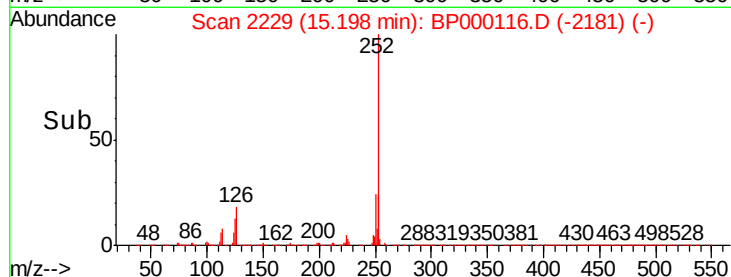
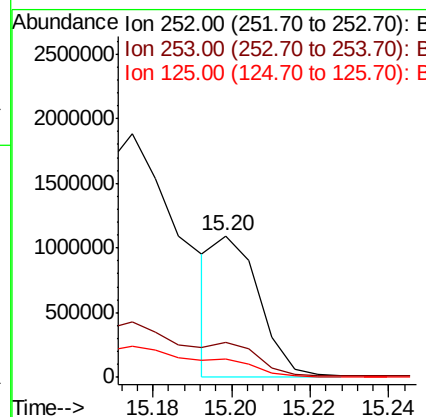
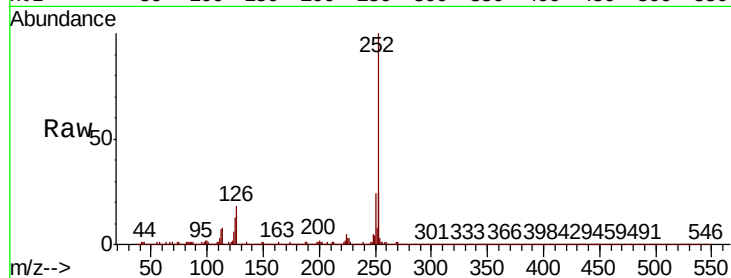
#89
Benzo(k)fluoranthene
Concen: 10.977 ng m
RT: 15.20 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Instrument :
BNA_P
ClientSampled :
B-4(3-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	13.0	10.3	15.5

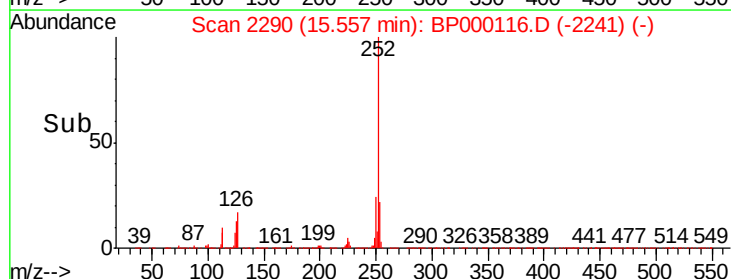
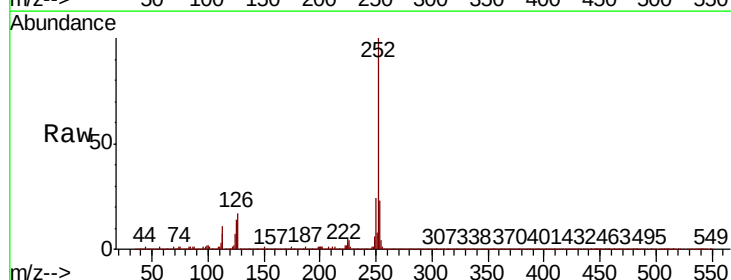
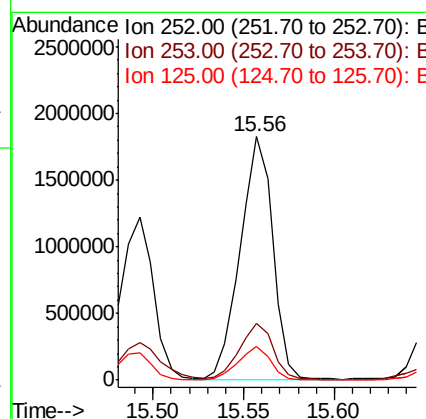
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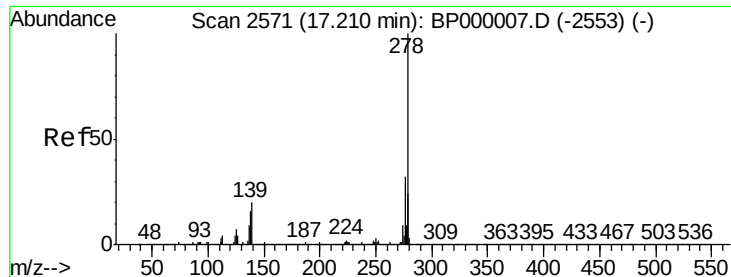
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#90
Benzo(a)pyrene
Concen: 29.684 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	13.6	11.7	17.5





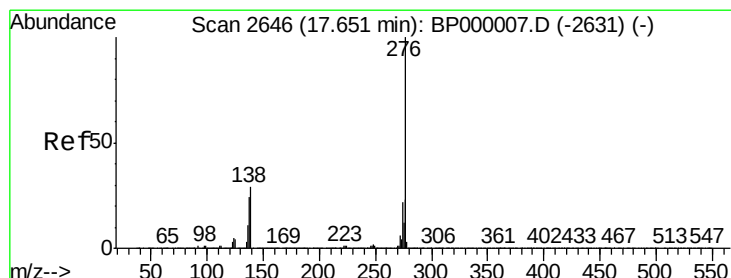
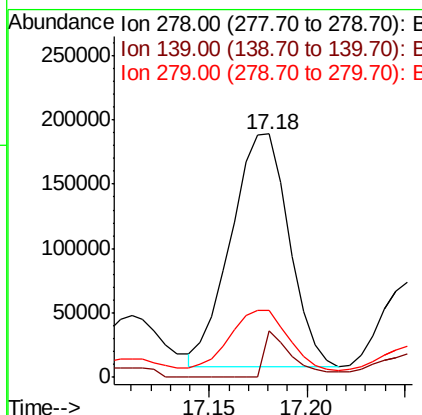
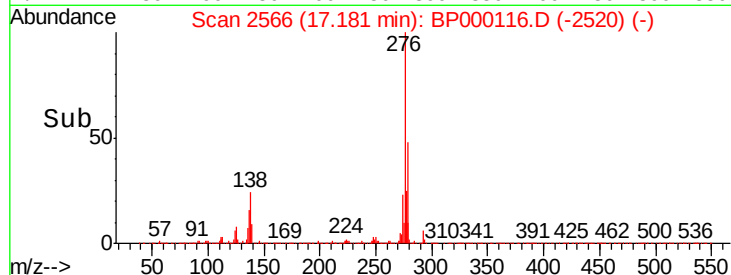
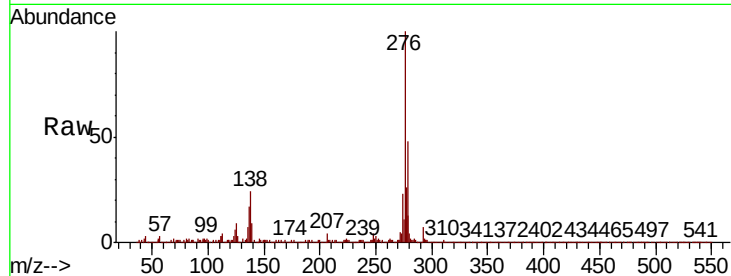
#91
Dibenzo(a,h)anthracene
Concen: 4.894 ng
RT: 17.18 min Scan# 2566
Delta R.T. -0.03 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Instrument :
BNA_P
ClientSampleId :
B-4(3-4)

Tot Ion:	278	Resp:	372875
Ion Ratio	Lower	Upper	
278	100		
139	19.1	16.4	24.6
279	27.5	19.2	28.8

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#92
Benzo(g,h,i)perylene
Concen: 21.576 ng
RT: 17.63 min Scan# 2643
Delta R.T. -0.02 min
Lab File: BP000116.D
Acq: 09 Sep 2019 02:22

Tgt Ion:	276	Resp:	1627086
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.6	28.0
138	26.4	23.0	34.4

