

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010320\
 Data File : BP001528.D
 Acq On : 04 Jan 2020 02:50
 Operator : JU
 Sample : L1011-08 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MC-010220-2-5-COMP-B7

Manual Integrations
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mohammad
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Quant Time: Jan 04 04:04:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 03 15:57:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	63861	20.00	ng	-0.01
21) Naphthalene-d8	10.47	136	232761	20.00	ng	-0.01
39) Acenaphthene-d10	14.33	164	147138	20.00	ng	-0.01
64) Phenanthrene-d10	17.09	188	326795	20.00	ng	-0.01
76) Chrysene-d12	21.19	240	295355	20.00	ng	-0.01
87) Perylene-d12	23.44	264	329884	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	60513	15.92	ng	0.02
7) Phenol-d6	6.90	99	86285	16.85	ng	0.02
23) Nitrobenzene-d5	8.84	82	55528	11.78	ng	0.00
42) 2,4,6-Tribromophenol	15.83	330	27291	16.39	ng	-0.01
45) 2-Fluorobiphenyl	12.95	172	119050	11.90	ng	-0.02
79) Terphenyl-d14	19.67	244	189305	12.77	ng	-0.01
Target Compounds						
31) Naphthalene	10.52	128	51698	4.223	ng	Qvalue 99
49) Acenaphthylene	14.05	152	57213	4.130	ng	99
52) Acenaphthene	14.39	154	75855	8.725	ng	97
55) Dibenzofuran	14.73	168	84186	6.322	ng	98
58) Fluorene	15.39	166	103178	10.172	ng	94
71) Phenanthrene	17.13	178	1333147	75.214	ng	98
72) Anthracene	17.22	178	371373	21.140	ng	99
73) Carbazole	17.50	167	119608	7.358	ng	100
75) Fluoranthene	19.12	202	2113779	98.514	ng	96
78) Pyrene	19.47	202	2030000	94.716	ng	99
81) Benzo(a)anthracene	21.17	228	867232	41.847	ng	95
83) Chrysene	21.23	228	785497	39.530	ng	97
86) Indeno(1,2,3-cd)pyrene	25.73	276	546834	22.611	ng	# 92
88) Benzo(b)fluoranthene	22.77	252	1068071	52.290	ng	# 96
89) Benzo(k)fluoranthene	22.81	252	289438m	14.793	ng	
90) Benzo(a)pyrene	23.35	252	846045m	44.249	ng	
91) Dibenzo(a,h)anthracene	25.74	278	124338	6.543	ng	# 81
92) Benzo(g,h,i)perylene	26.43	276	555388	29.303	ng	# 95

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

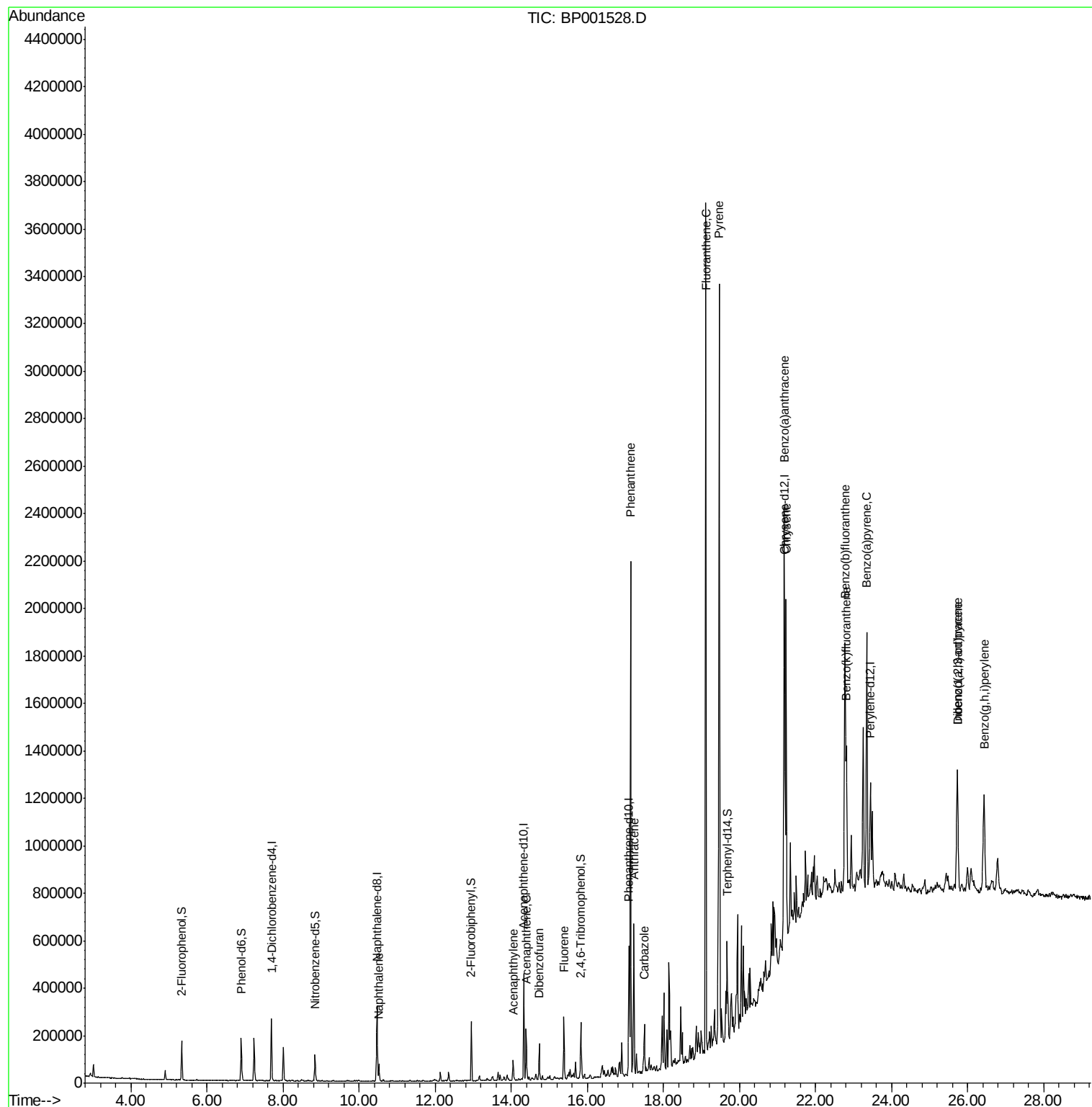
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010320\
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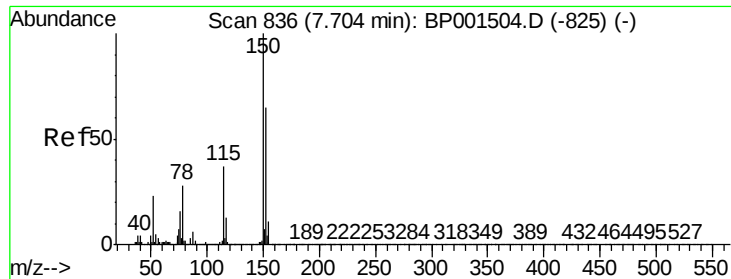
Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B7

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

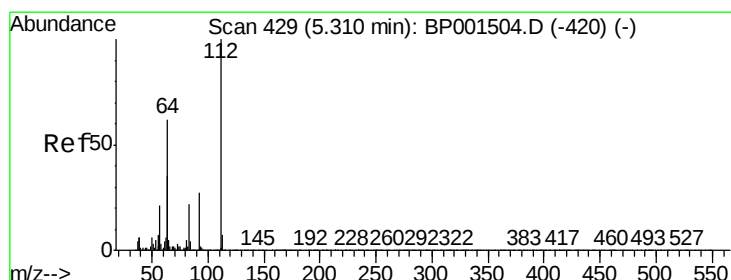
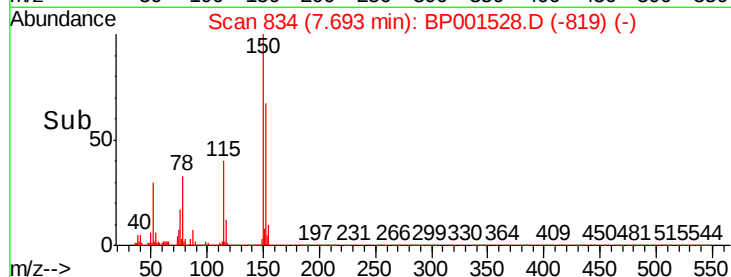
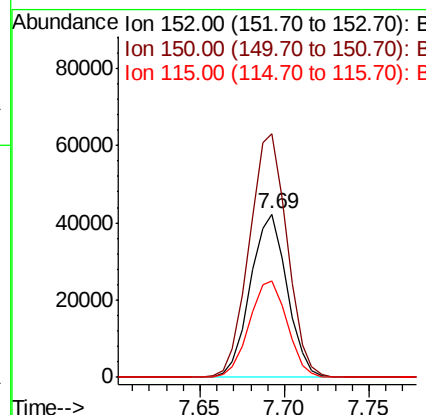
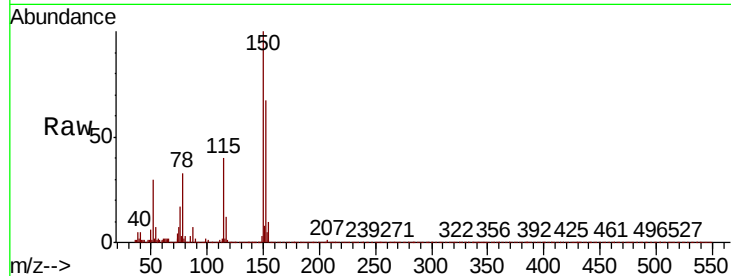
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 834
Delta R.T. -0.01 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B7

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.4	123.6	185.4
115	59.5	45.8	68.6

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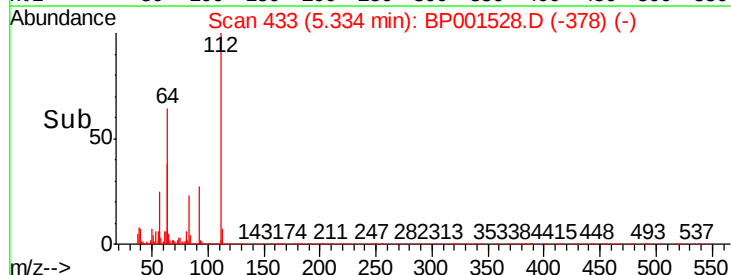
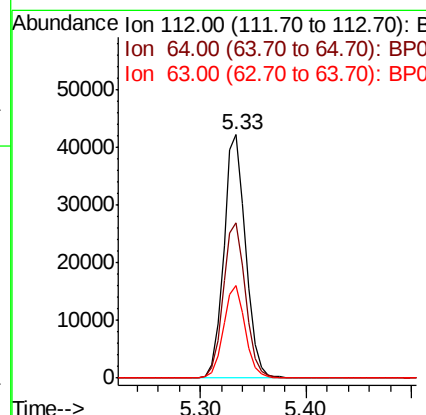
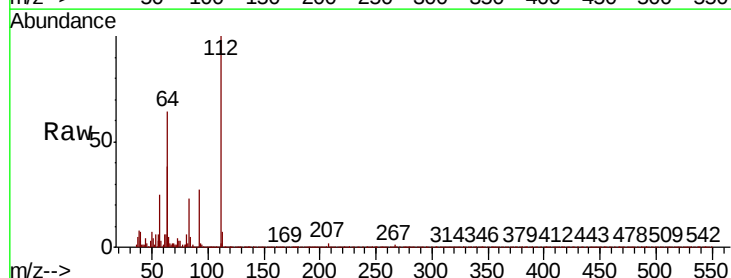
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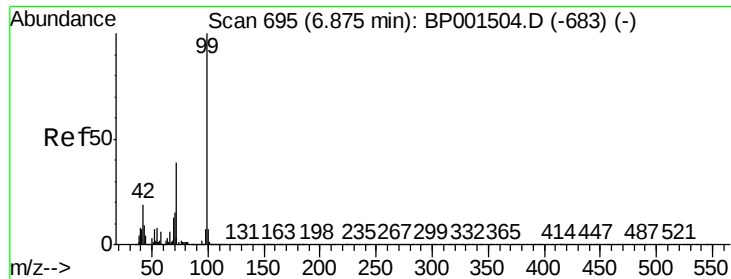


#5

2-Fluorophenol
Concen: 15.919 ng
RT: 5.33 min Scan# 433
Delta R.T. 0.02 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	49.7	74.5
63	37.8	28.1	42.1





#7

Phenol-d6

Concen: 16.853 ng

RT: 6.90 min Scan# 699

Delta R.T. 0.02 min

Lab File: BP001528.D

Acq: 04 Jan 2020 02:50

Instrument :

BNA_P

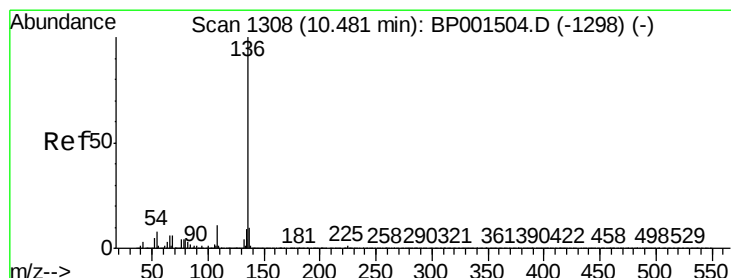
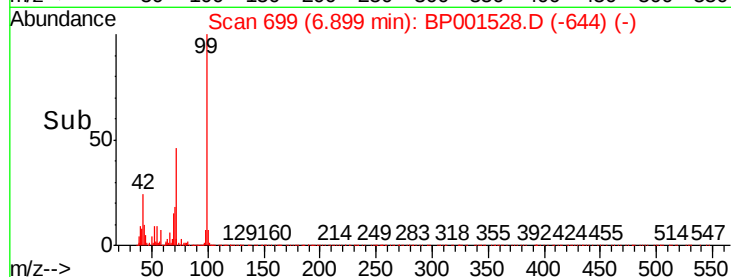
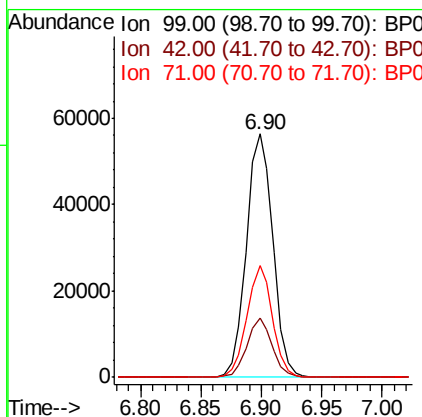
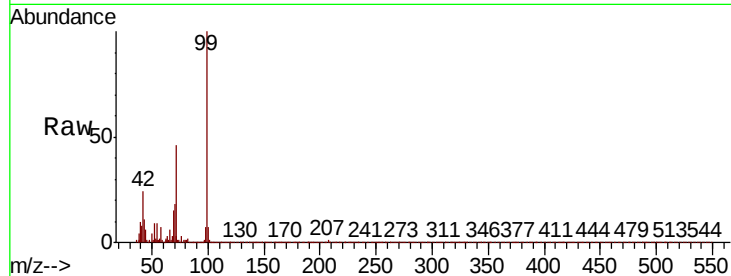
ClientSampleId :

MC-010220-2-5-COMP-B7

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		86285		
42	24.4	15.3	22.9#		
71	46.0	30.9	46.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

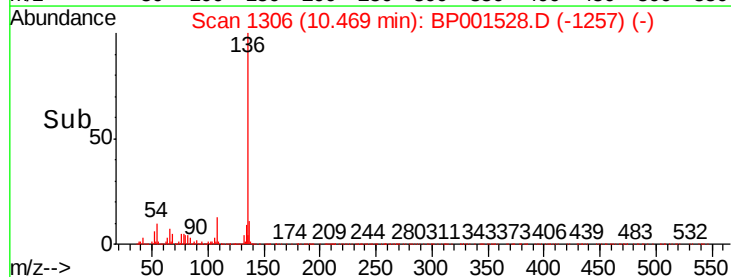
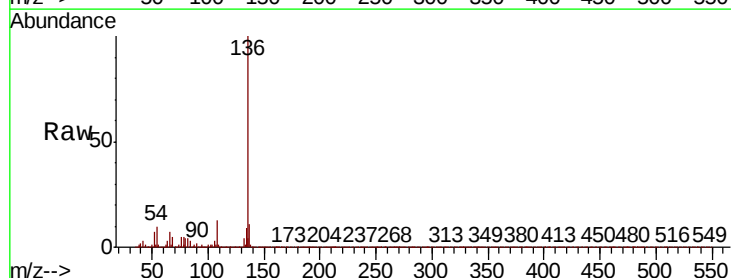
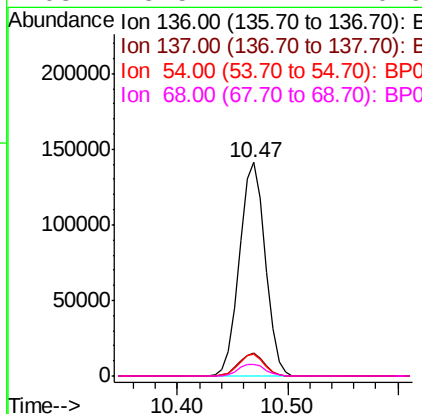
RT: 10.47 min Scan# 1306

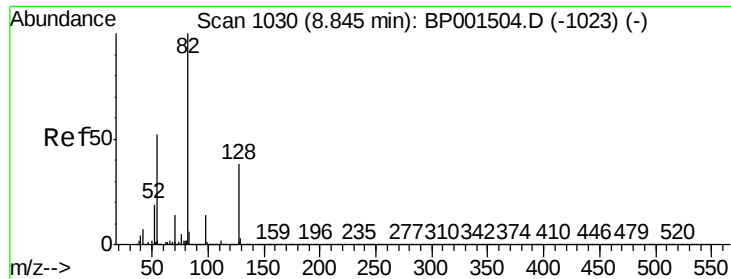
Delta R.T. -0.01 min

Lab File: BP001528.D

Acq: 04 Jan 2020 02:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		232761		
137	10.8	8.3	12.5		
54	10.0	6.7	10.1		
68	5.5	4.4	6.6		





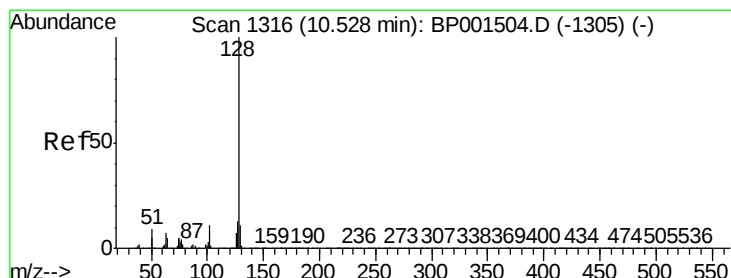
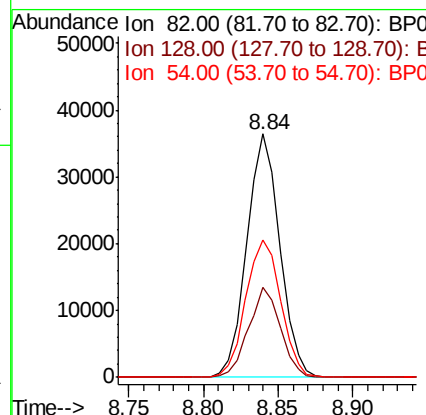
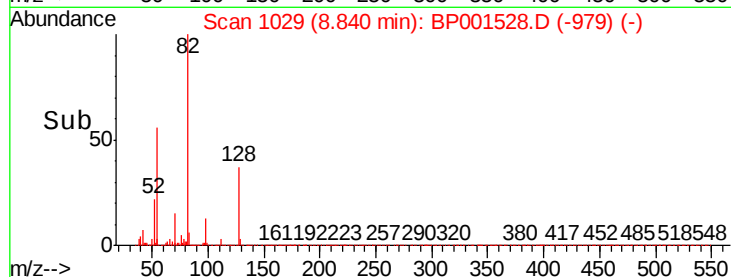
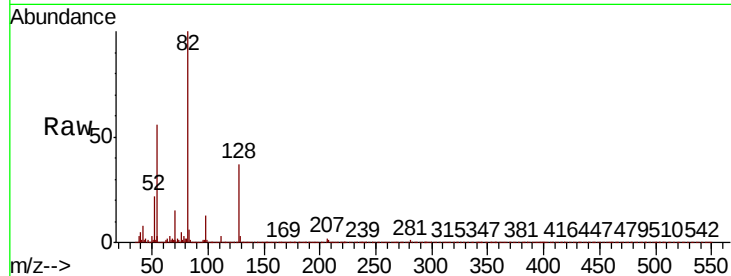
#23
Nitrobenzene-d5
Concen: 11.783 ng
RT: 8.84 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B7

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.9	30.1	45.1
54	56.3	41.8	62.6

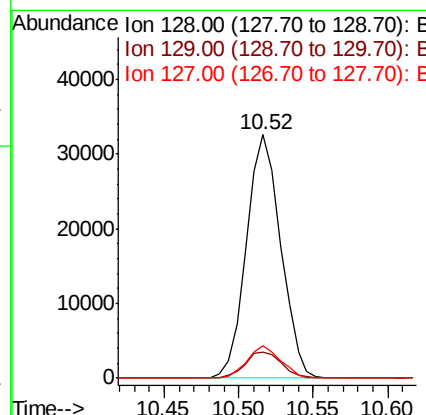
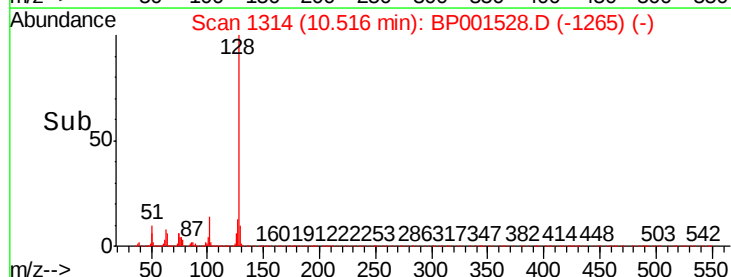
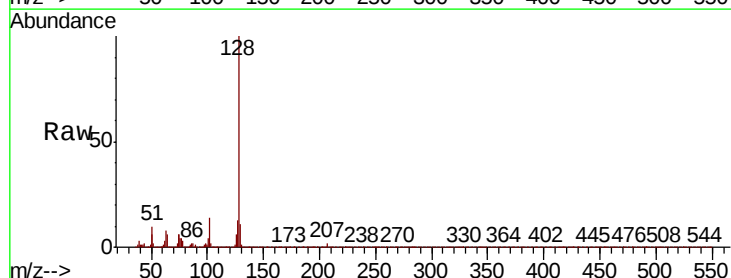
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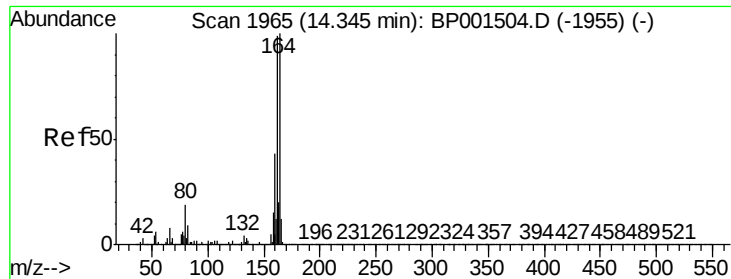
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#31
Naphthalene
Concen: 4.223 ng
RT: 10.52 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.7	13.1
127	13.1	10.5	15.7





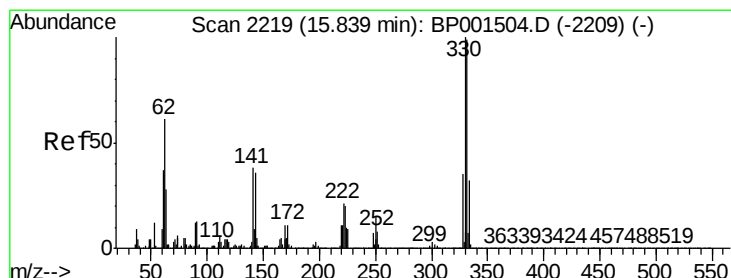
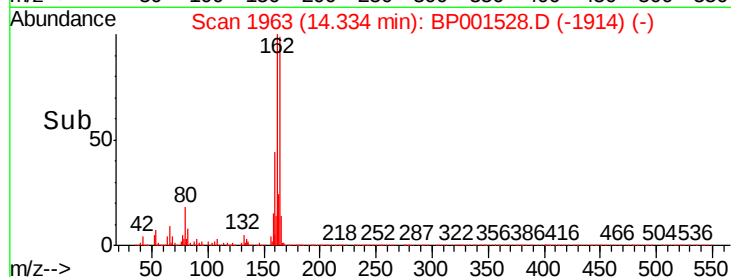
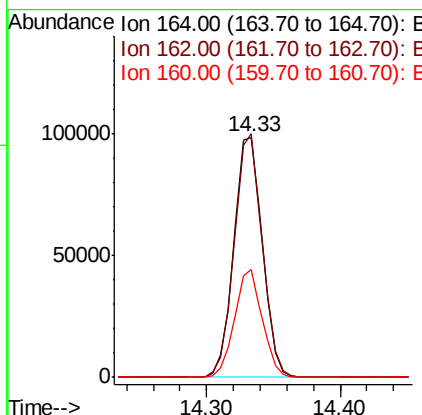
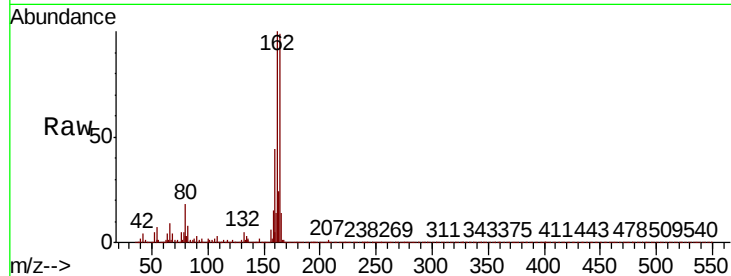
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B7

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.2	118.8
160	44.8	34.6	52.0

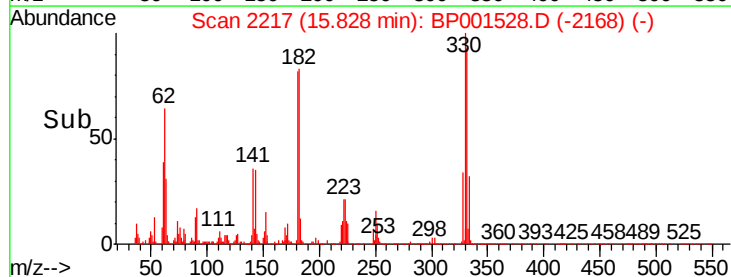
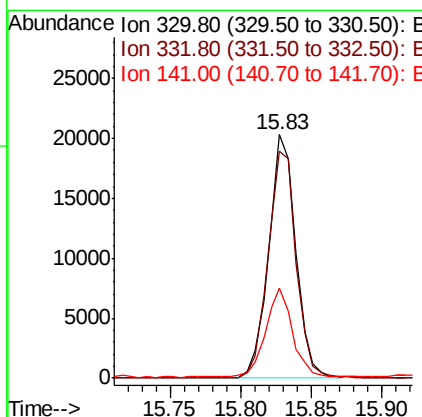
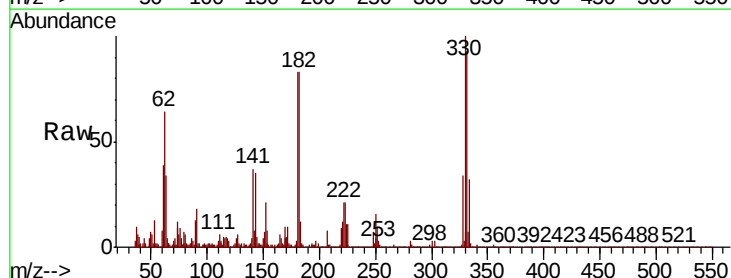
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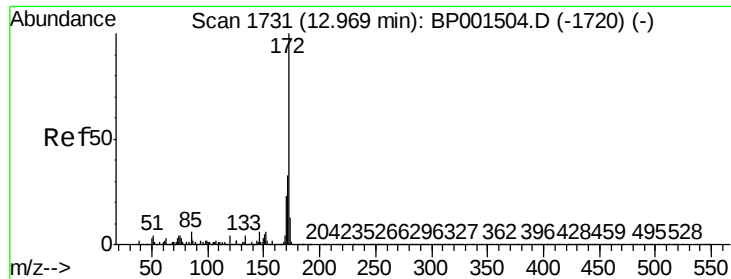
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#42
2,4,6-Tribromophenol
Concen: 16.388 ng
RT: 15.83 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.2	117.2
141	37.7	30.3	45.5





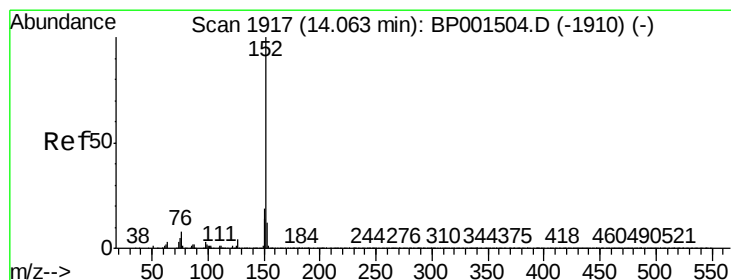
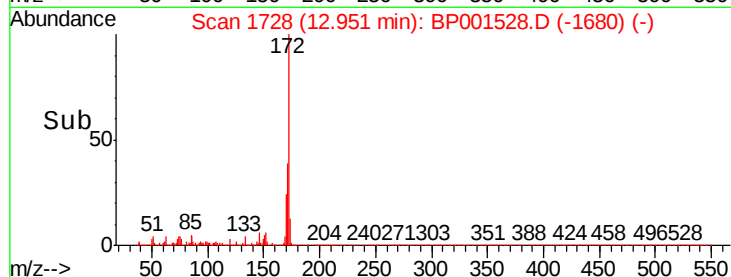
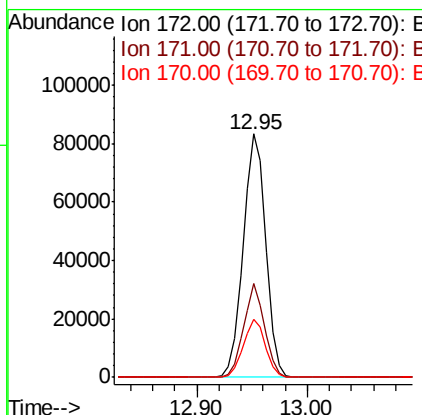
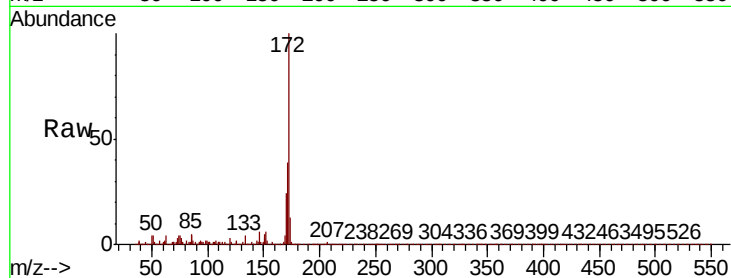
#45
2-Fluorobiphenyl
Concen: 11.897 ng
RT: 12.95 min Scan# 1728
Delta R.T. -0.02 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B7

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	26.7	40.1
170	23.8	18.7	28.1

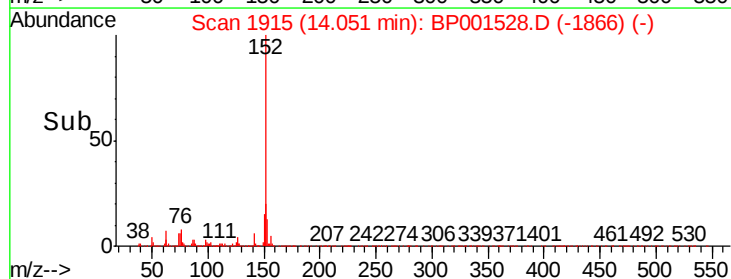
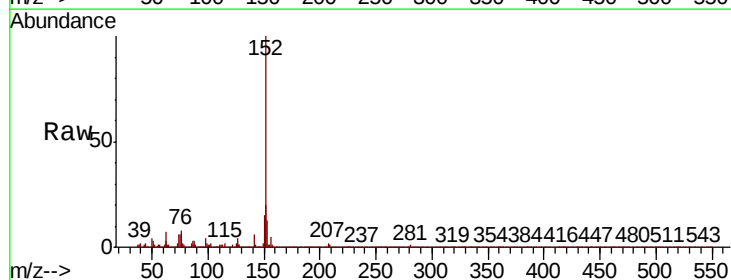
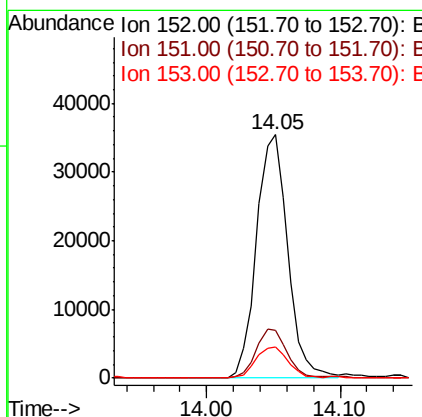
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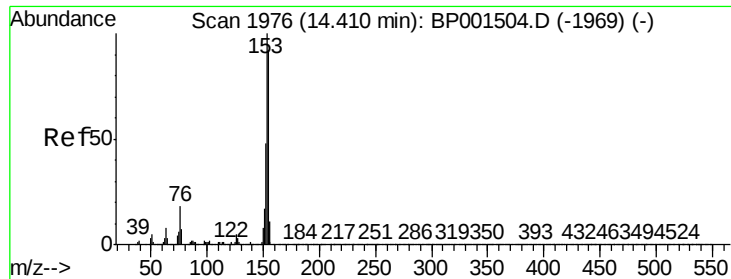
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#49
Acenaphthylene
Concen: 4.130 ng
RT: 14.05 min Scan# 1915
Delta R.T. -0.01 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.2	22.8
153	12.7	9.9	14.9





#52

Acenaphthene

Concen: 8.725 ng

RT: 14.39 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BP001528.D

Acq: 04 Jan 2020 02:50

Instrument :

BNA_P

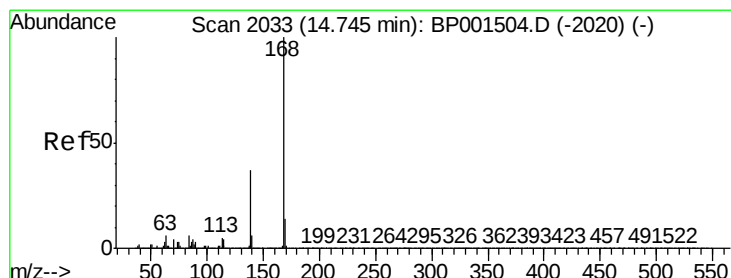
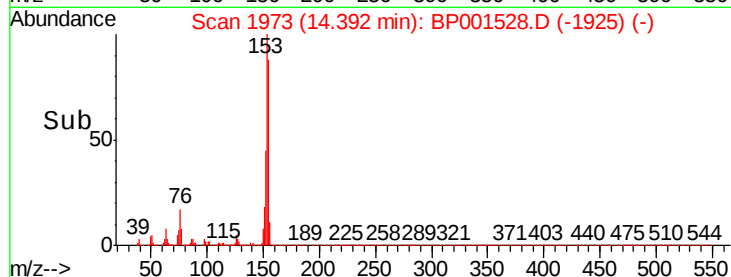
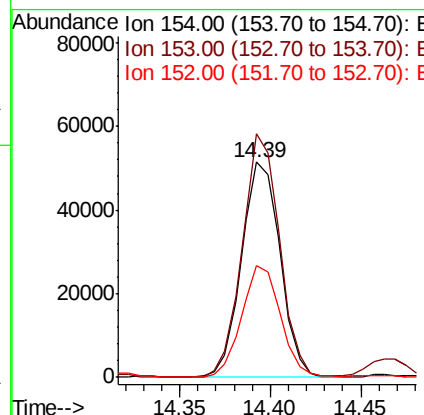
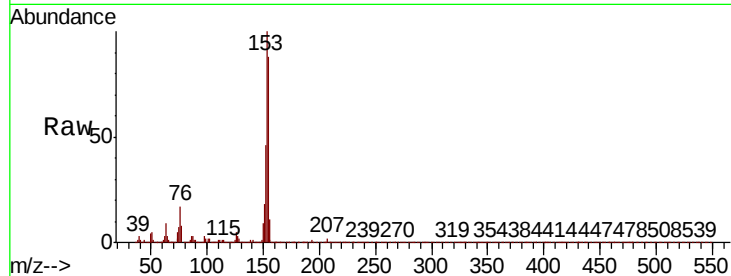
ClientSampleId :

MC-010220-2-5-COMP-B7

Tot Ion:	154	Resp:	75855
Ion Ratio	Lower	Upper	
154	100		
153	113.3	87.3	130.9
152	52.3	41.5	62.3

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#55

Dibenzofuran

Concen: 6.322 ng

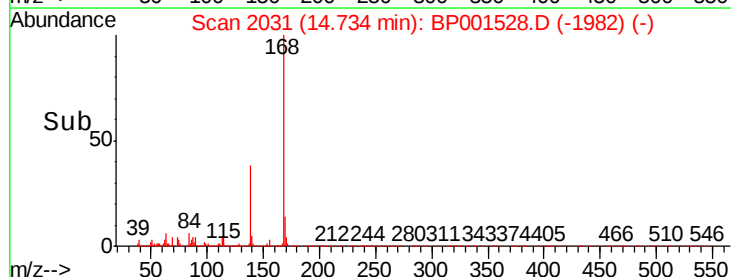
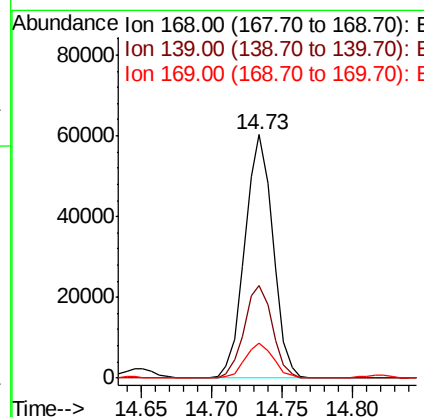
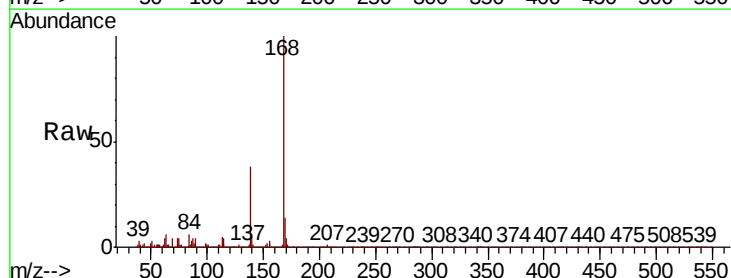
RT: 14.73 min Scan# 2031

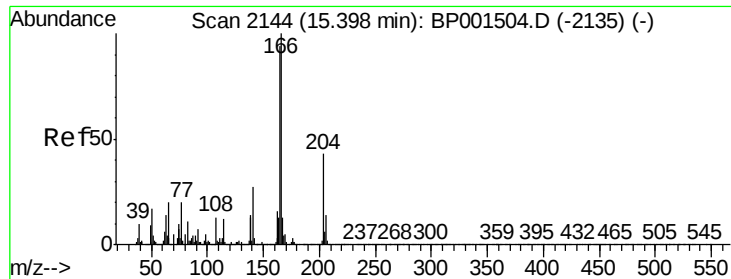
Delta R.T. -0.01 min

Lab File: BP001528.D

Acq: 04 Jan 2020 02:50

Tgt Ion:	168	Resp:	84186
Ion Ratio	Lower	Upper	
168	100		
139	38.0	29.8	44.6
169	14.4	10.9	16.3





#58

Fluorene

Concen: 10.172 ng

RT: 15.39 min Scan# 2142

Delta R.T. -0.01 min

Lab File: BP001528.D

Acq: 04 Jan 2020 02:50

Instrument :

BNA_P

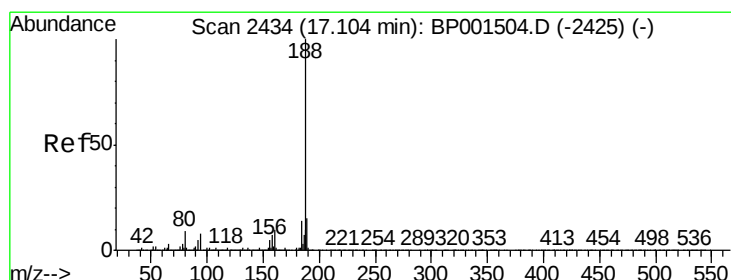
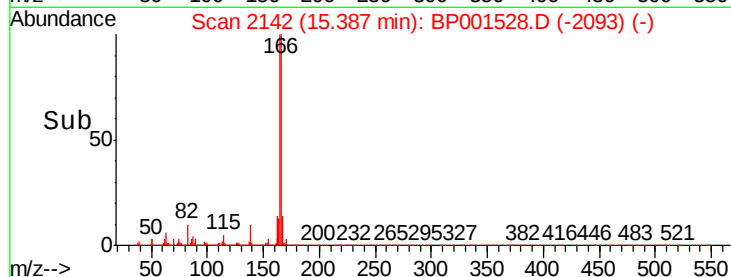
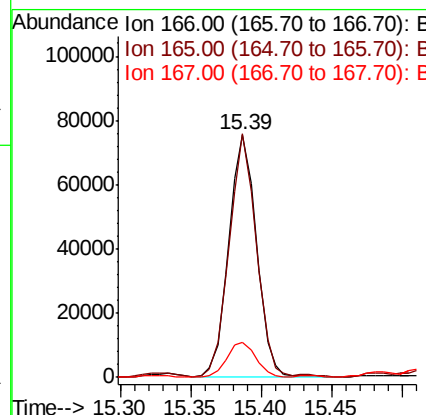
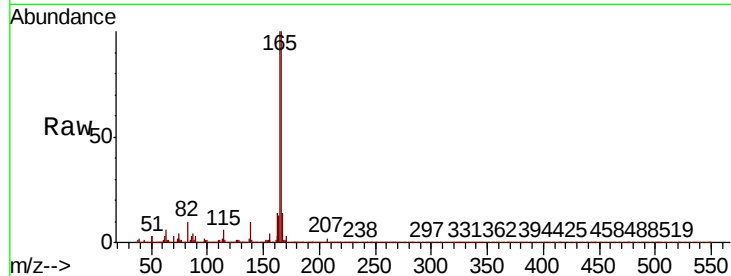
ClientSampleId :

MC-010220-2-5-COMP-B7

Tot Ion:	166	Resp:	103178
Ion Ratio	Lower	Upper	
166	100		
165	100.3	75.3	112.9
167	14.3	10.7	16.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

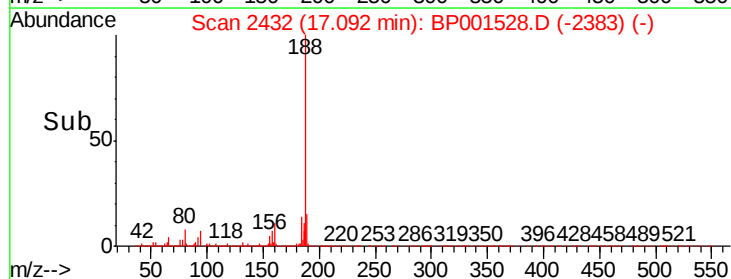
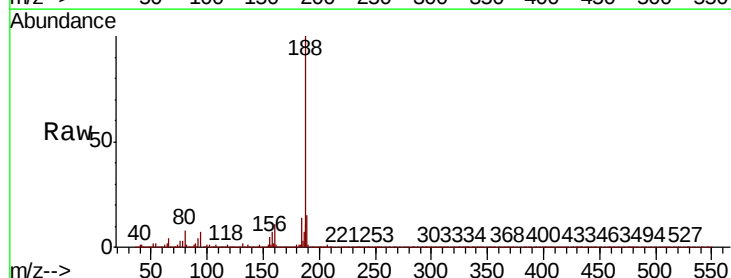
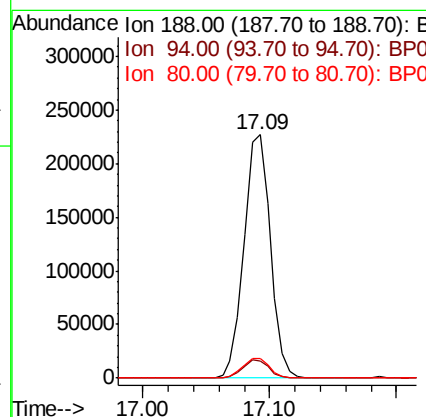
RT: 17.09 min Scan# 2432

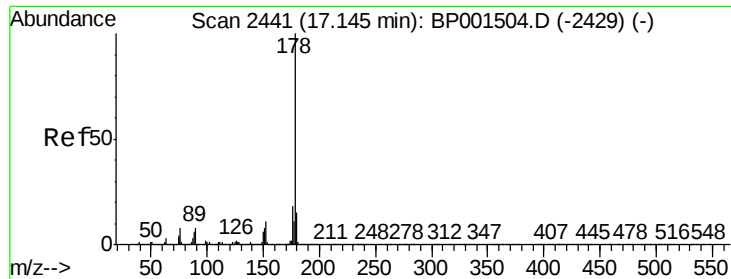
Delta R.T. -0.01 min

Lab File: BP001528.D

Acq: 04 Jan 2020 02:50

Tgt Ion:	188	Resp:	326795
Ion Ratio	Lower	Upper	
188	100		
94	7.2	6.5	9.7
80	8.2	7.3	10.9





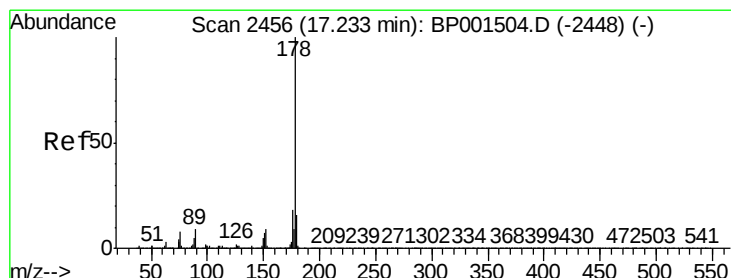
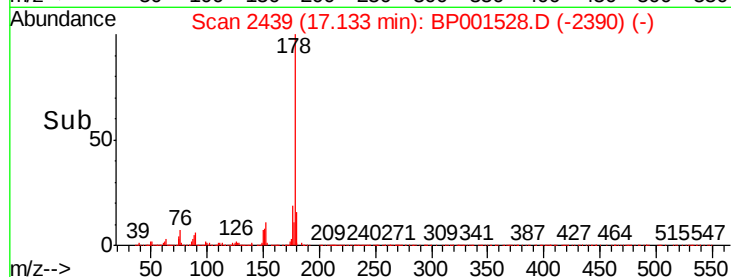
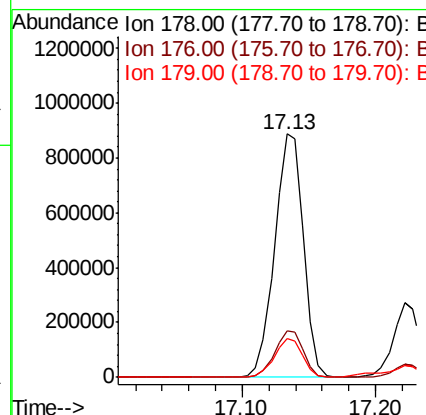
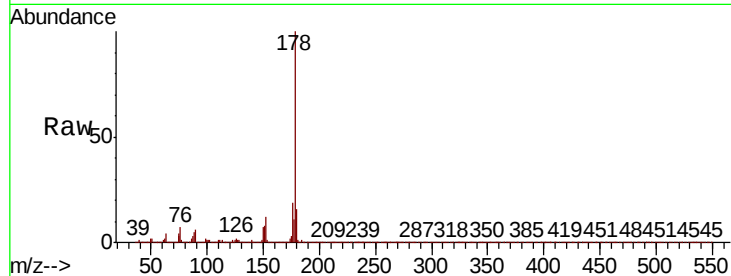
#71
Phenanthrene
Concen: 75.214 ng
RT: 17.13 min Scan# 2439
Delta R.T. -0.01 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B7

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.6	22.0
179	15.8	12.3	18.5

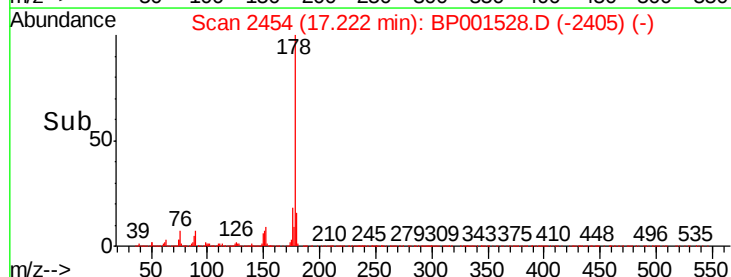
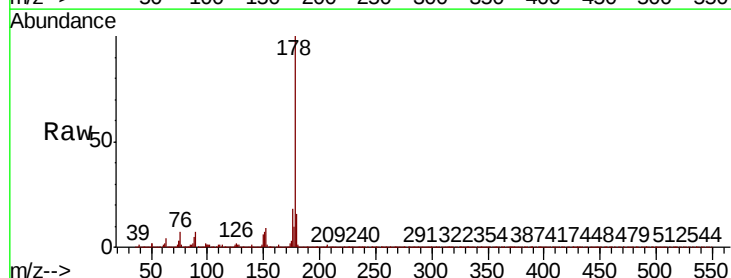
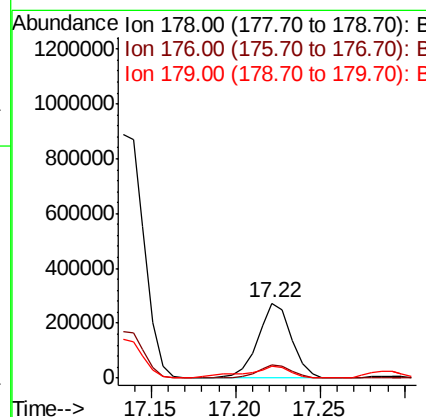
Manual Integrations
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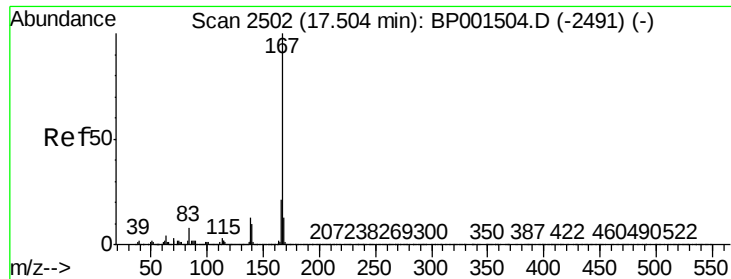
mohammad
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#72
Anthracene
Concen: 21.140 ng
RT: 17.22 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.4	21.6
179	16.1	12.5	18.7





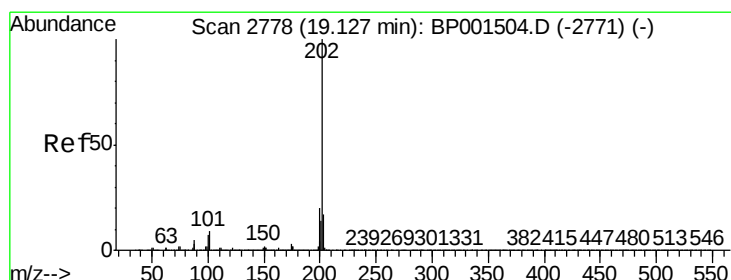
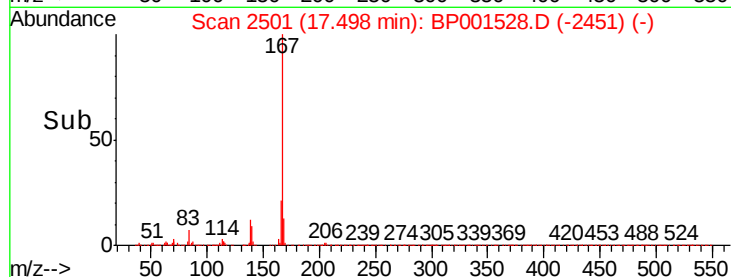
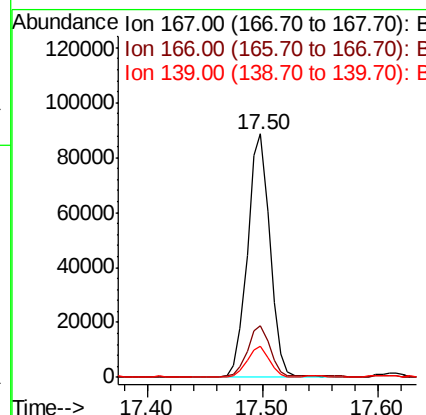
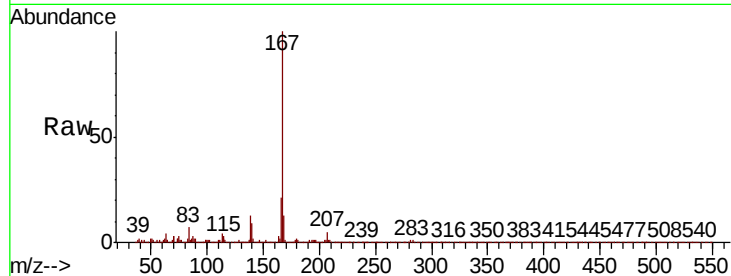
#73
 Carbazole
 Concen: 7.358 ng
 RT: 17.50 min Scan# 2501
 Delta R.T. -0.01 min
 Lab File: BP001528.D
 Acq: 04 Jan 2020 02:50

Instrument :
 BNA_P
 ClientSampleId :
 MC-010220-2-5-COMP-B7

Tot Ion:	167	Resp:	119608
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.0	25.6
139	13.0	10.2	15.4

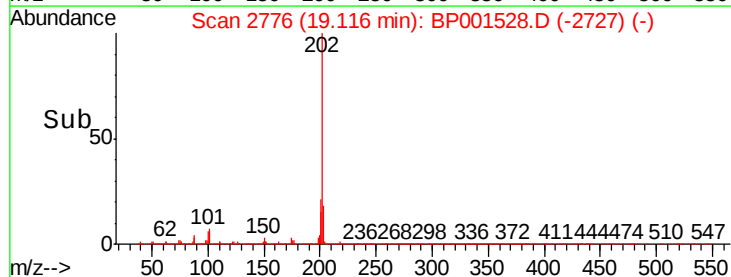
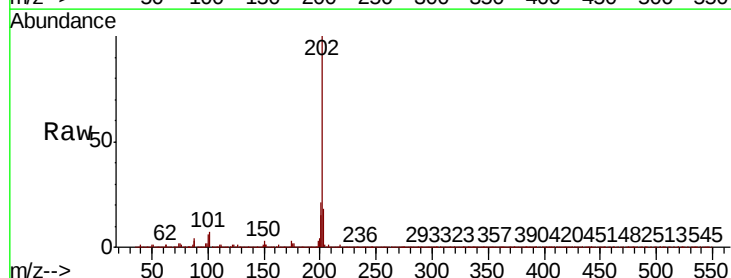
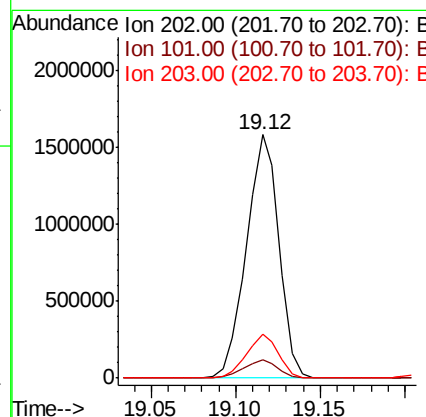
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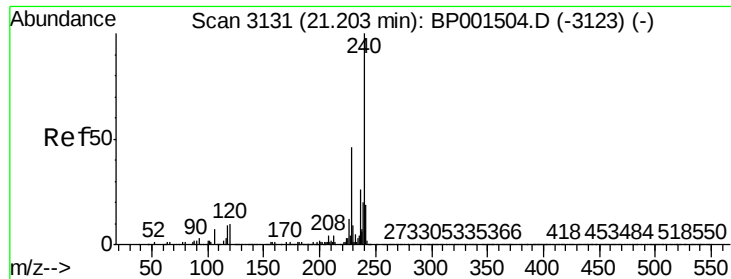
mohammad
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#75
 Fluoranthene
 Concen: 98.514 ng
 RT: 19.12 min Scan# 2776
 Delta R.T. -0.01 min
 Lab File: BP001528.D
 Acq: 04 Jan 2020 02:50

Tgt Ion:	202	Resp:	2113779
Ion Ratio	Lower	Upper	
202	100		
101	7.3	0.0	29.3
203	17.9	0.0	36.7





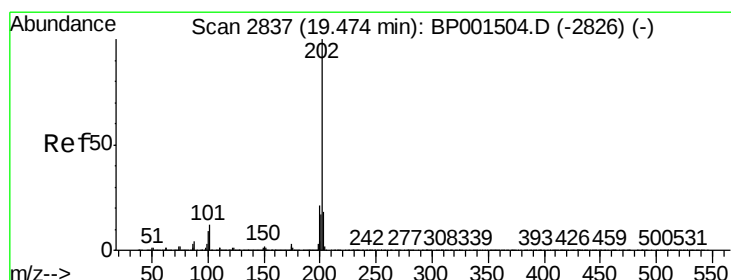
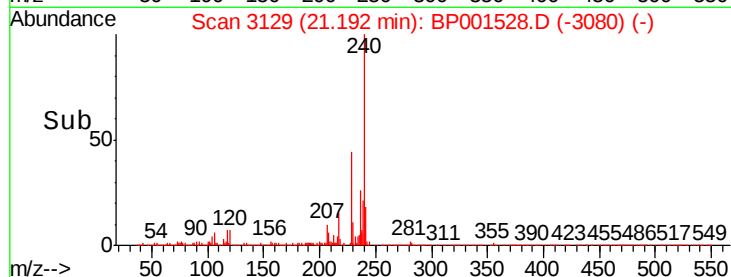
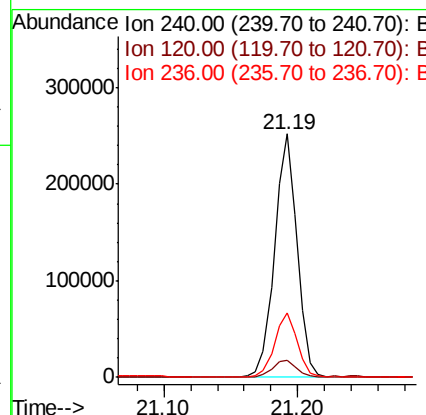
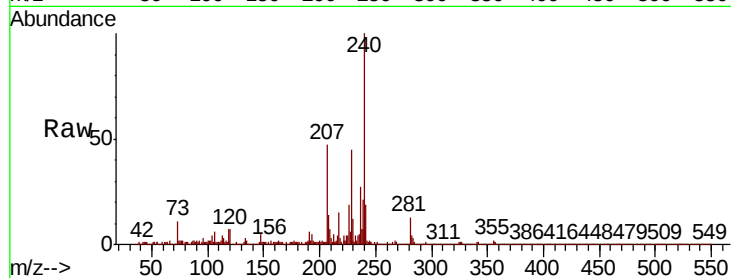
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B7

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	7.1	8.1	12.1#
236	26.5	20.9	31.3

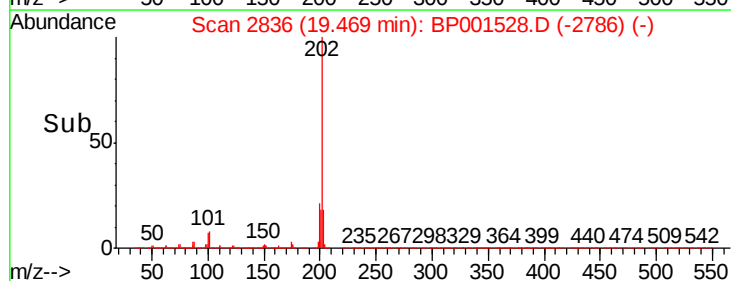
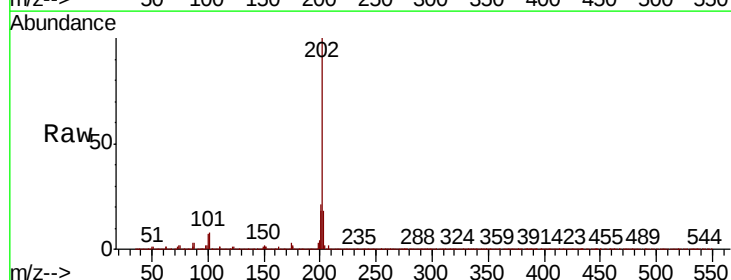
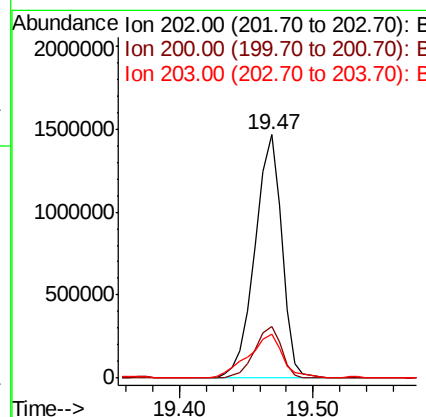
Manual Integrations
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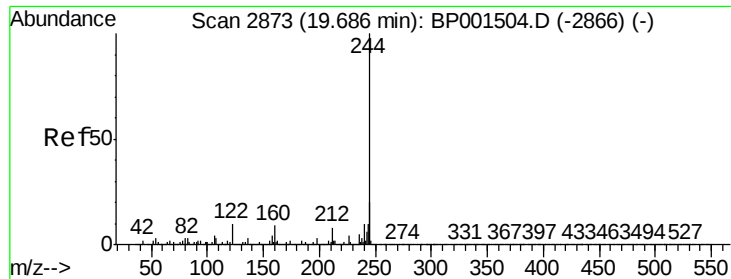
mohammad
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#78
Pyrene
Concen: 94.716 ng
RT: 19.47 min Scan# 2836
Delta R.T. -0.01 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	16.4	24.6
203	18.2	14.2	21.2





#79

Terphenyl-d14

Concen: 12.773 ng

RT: 19.67 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BP001528.D

Acq: 04 Jan 2020 02:50

Instrument :

BNA_P

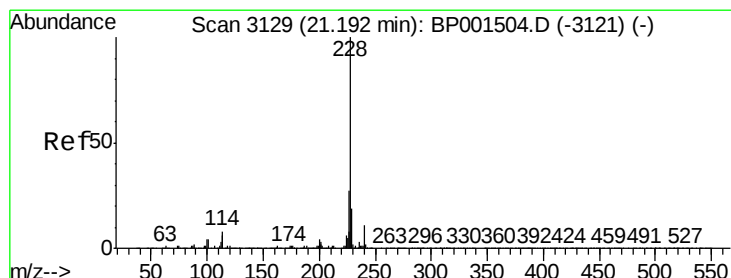
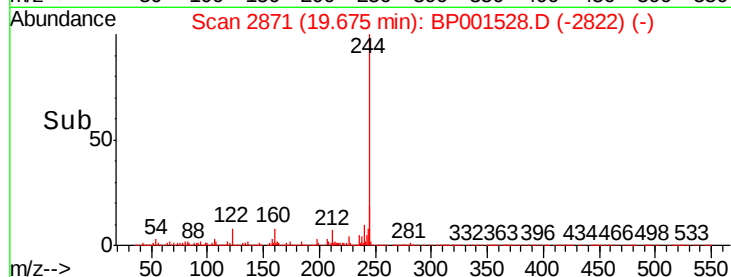
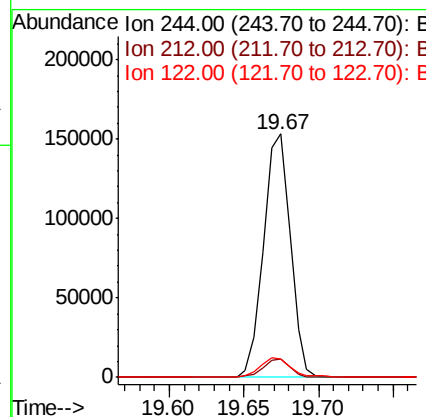
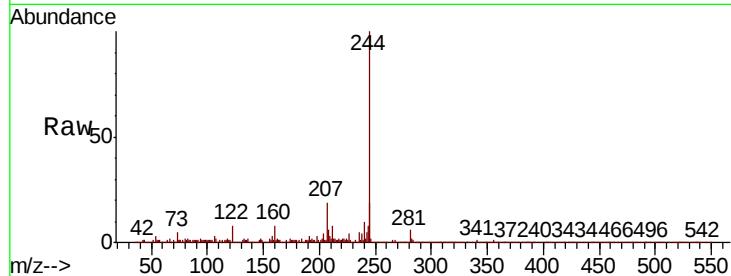
ClientSampleId :

MC-010220-2-5-COMP-B7

Tot Ion:	244	Resp:	189305
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.6	9.8
122	7.6	7.8	11.6#

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 41.847 ng

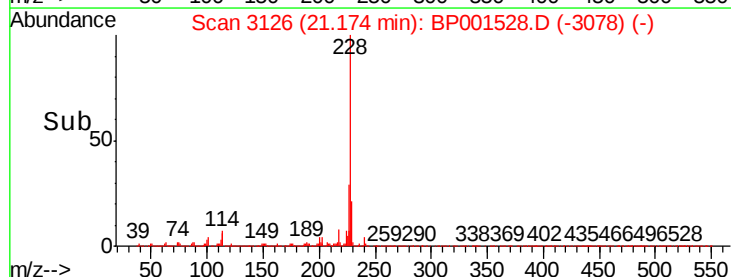
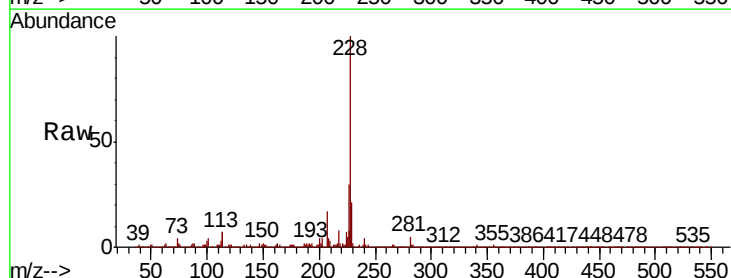
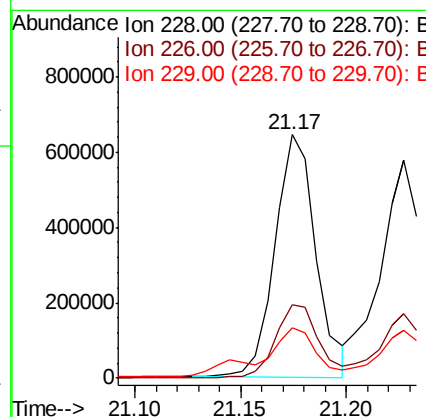
RT: 21.17 min Scan# 3126

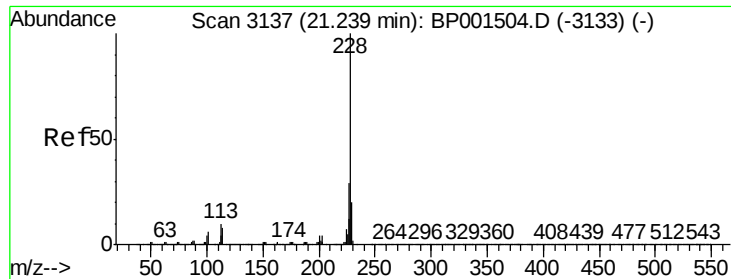
Delta R.T. -0.02 min

Lab File: BP001528.D

Acq: 04 Jan 2020 02:50

Tgt Ion:	228	Resp:	867232
Ion Ratio	Lower	Upper	
228	100		
226	30.3	21.5	32.3
229	20.7	15.4	23.2





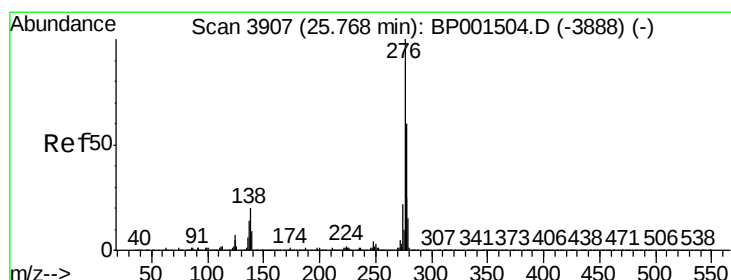
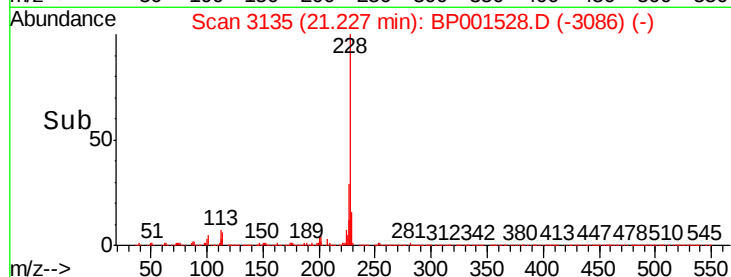
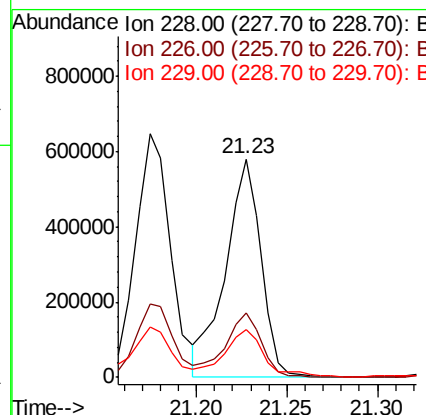
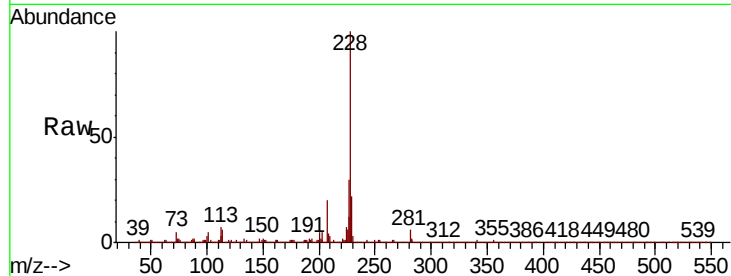
#83
Chrysene
Concen: 39.530 ng
RT: 21.23 min Scan# 3135
Delta R.T. -0.01 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B7

Tot Ion:	228	Resp:	785497
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.0	34.6
229	21.9	15.7	23.5

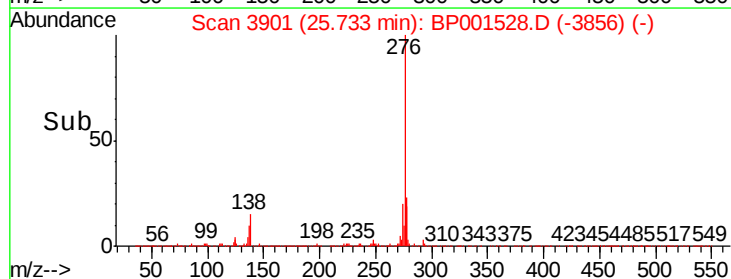
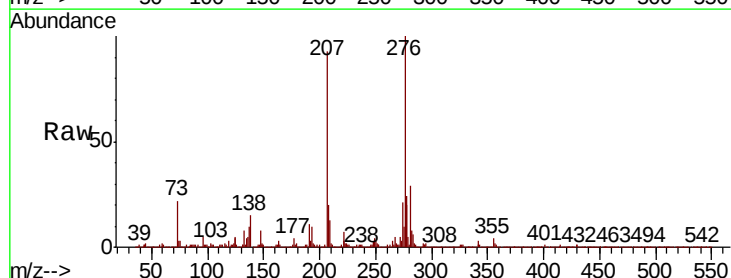
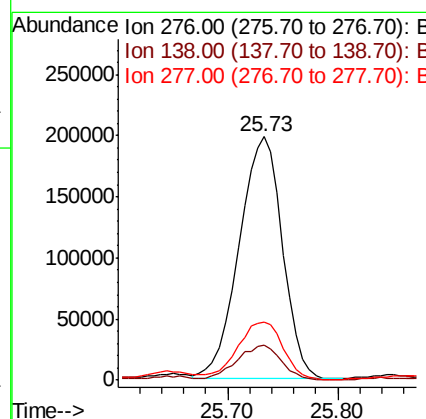
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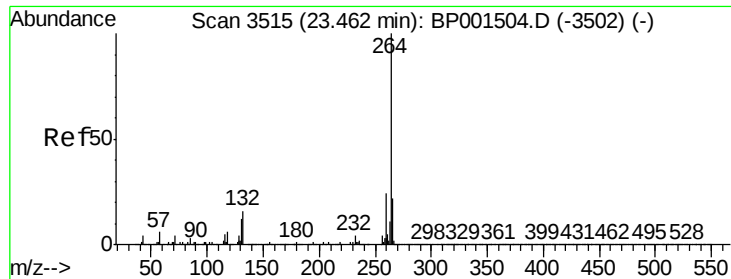
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#86
Indeno(1,2,3-cd)pyrene
Concen: 22.611 ng
RT: 25.73 min Scan# 3901
Delta R.T. -0.03 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Tgt Ion:	276	Resp:	546834
Ion Ratio	Lower	Upper	
276	100		
138	14.6	17.8	26.8#
277	24.4	20.0	30.0





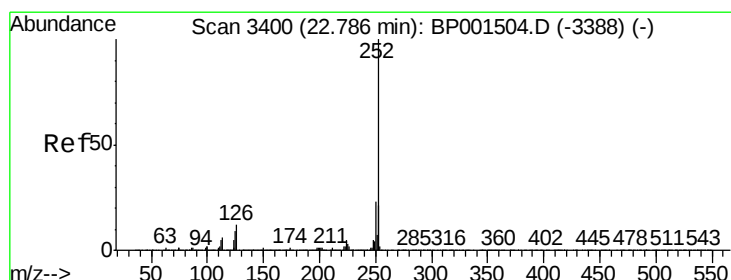
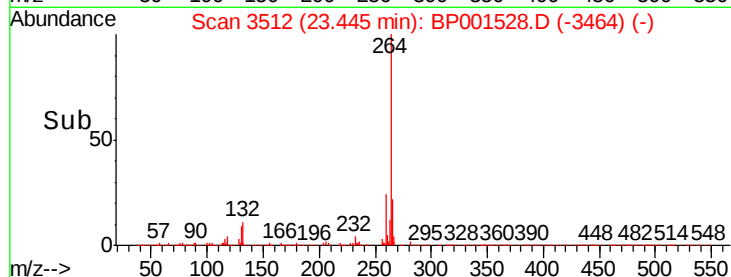
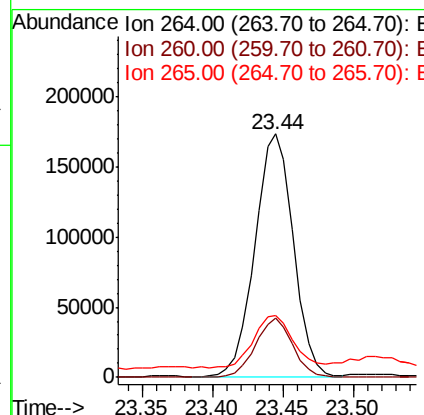
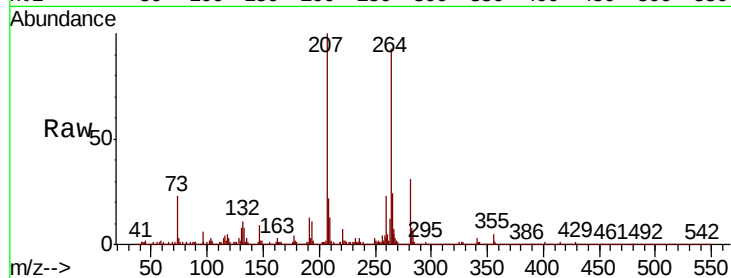
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.44 min Scan# 3512
Delta R.T. -0.02 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B7

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.4
265	25.5	17.2	25.8

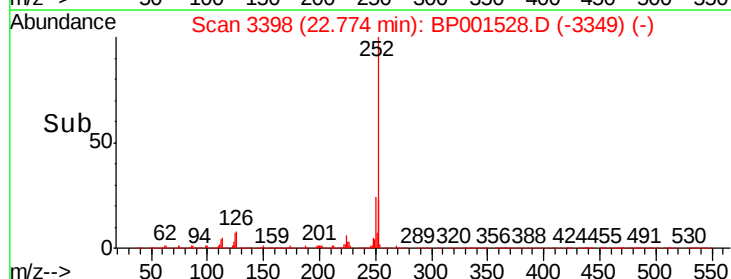
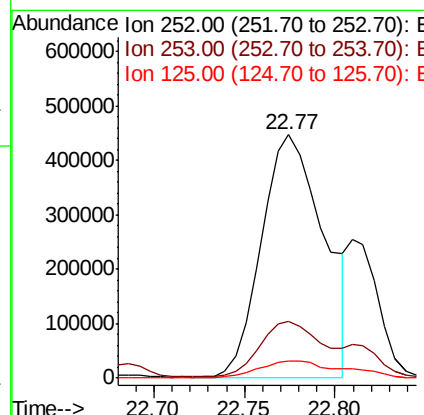
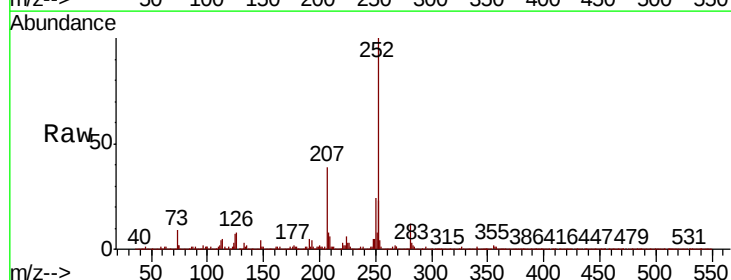
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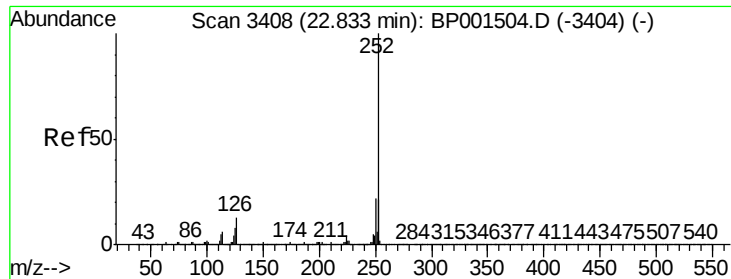
mohammad
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#88
Benzo(b)fluoranthene
Concen: 52.290 ng
RT: 22.77 min Scan# 3398
Delta R.T. -0.01 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	7.0	7.2	10.8#





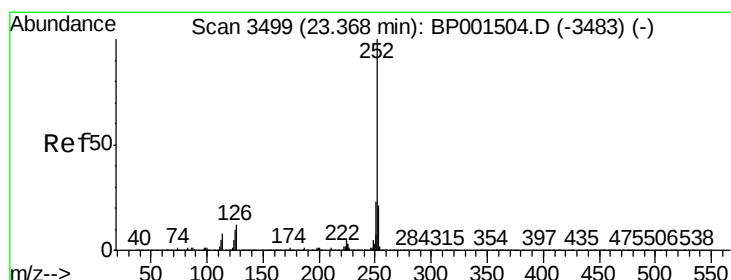
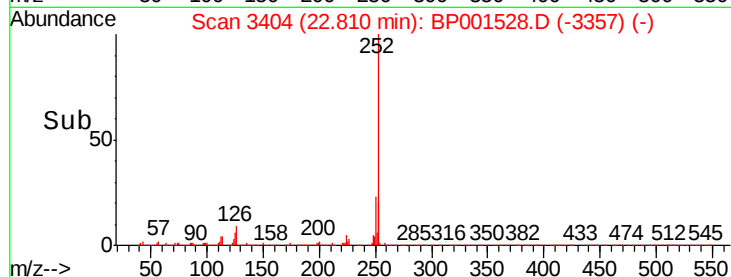
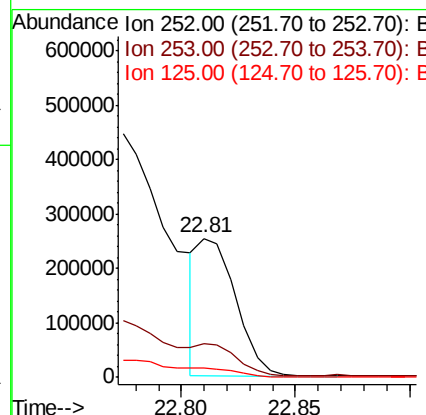
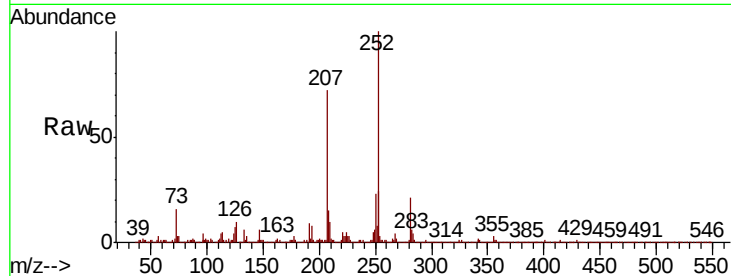
#89
Benzo(k)fluoranthene
Concen: 14.793 ng m
RT: 22.81 min Scan# 3404
Delta R.T. -0.02 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B7

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	6.8	6.6	10.0

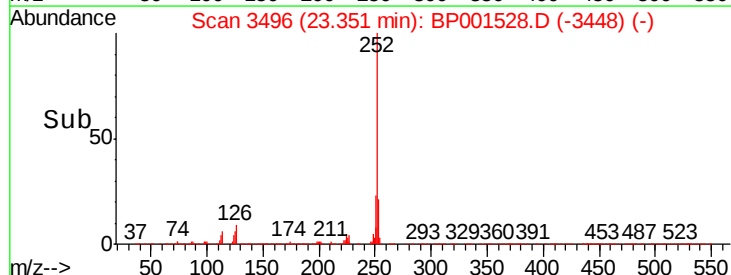
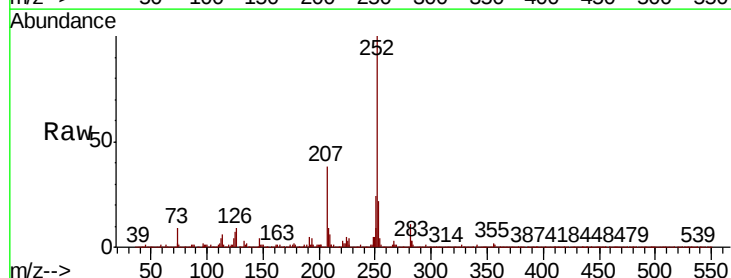
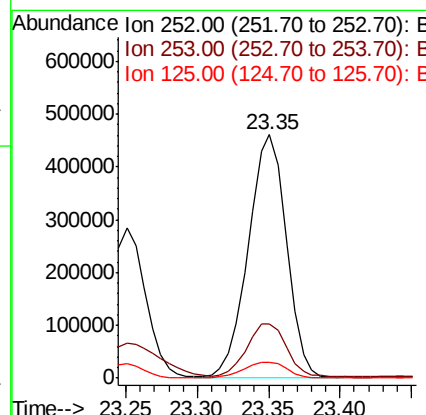
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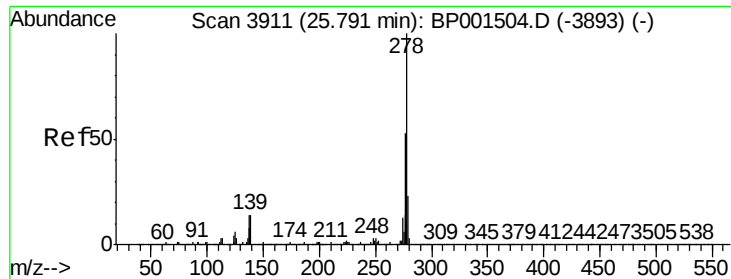
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#90
Benzo(a)pyrene
Concen: 44.249 ng m
RT: 23.35 min Scan# 3496
Delta R.T. -0.02 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	6.6	7.7	11.5





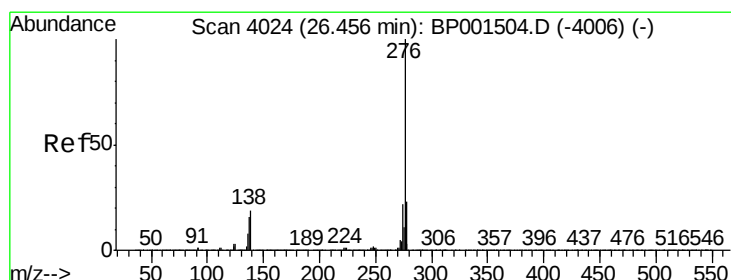
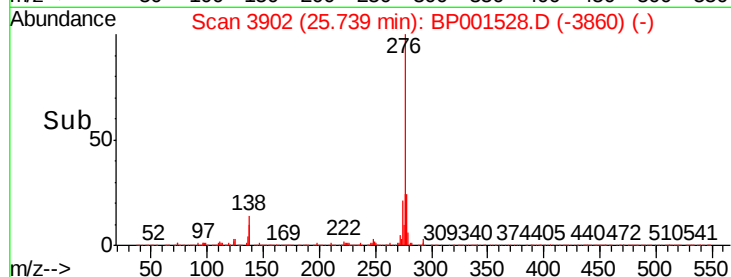
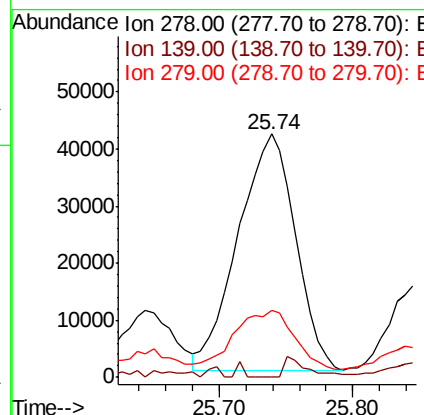
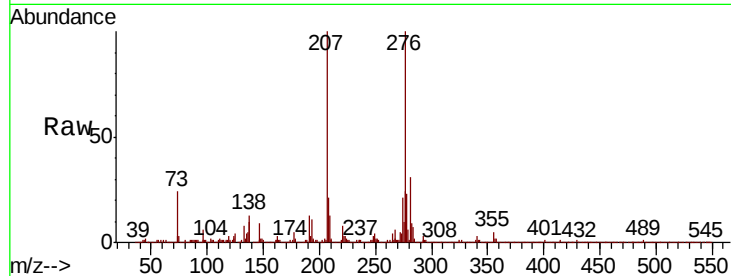
#91
Dibenzo(a,h)anthracene
Concen: 6.543 ng
RT: 25.74 min Scan# 3902
Delta R.T. -0.05 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B7

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.3	16.9#
279	27.6	18.2	27.2#

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#92
Benzo(g,h,i)perylene
Concen: 29.303 ng
RT: 26.43 min Scan# 4020
Delta R.T. -0.02 min
Lab File: BP001528.D
Acq: 04 Jan 2020 02:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	14.1	15.0	22.4#

