

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
 Data File : BP001642.D
 Acq On : 16 Jan 2020 23:12
 Operator : JU
 Sample : L1148-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-31-(2-4)

Manual Integrations
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Quant Time: Jan 17 05:42:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 21:52:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	38425	20.00	ng	-0.01
21) Naphthalene-d8	10.40	136	140536	20.00	ng	-0.01
39) Acenaphthene-d10	14.27	164	93525	20.00	ng	-0.01
64) Phenanthrene-d10	17.04	188	202752	20.00	ng	-0.01
76) Chrysene-d12	21.15	240	175517	20.00	ng	-0.01
87) Perylene-d12	23.38	264	184405	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	226426	115.43	ng	0.00
7) Phenol-d6	6.83	99	330641	105.47	ng	0.00
23) Nitrobenzene-d5	8.78	82	232361	72.25	ng	-0.01
42) 2,4,6-Tribromophenol	15.78	330	131454	92.34	ng	-0.01
45) 2-Fluorobiphenyl	12.89	172	459352	72.21	ng	-0.01
79) Terphenyl-d14	19.63	244	634808	66.15	ng	-0.01
Target Compounds						
31) Naphthalene	10.45	128	29971	4.041	ng	Qvalue 98
49) Acenaphthylene	13.99	152	194752	22.671	ng	99
50) Dimethylphthalate	13.74	163	23634	3.068	ng	# 97
58) Fluorene	15.33	166	24227	3.328	ng	91
71) Phenanthrene	17.08	178	172954	15.686	ng	99
72) Anthracene	17.17	178	186184	17.345	ng	97
75) Fluoranthene	19.07	202	641197	44.194	ng	98
78) Pyrene	19.42	202	1005160	77.961	ng	99
81) Benzo(a)anthracene	21.13	228	508849m	41.628	ng	
83) Chrysene	21.19	228	460840	38.685	ng	97
86) Indeno(1,2,3-cd)pyrene	25.63	276	164183	11.774	ng	99
88) Benzo(b)fluoranthene	22.72	252	374297m	32.211	ng	
89) Benzo(k)fluoranthene	22.74	252	138717m	12.244	ng	
90) Benzo(a)pyrene	23.28	252	285917	25.914	ng	# 98
91) Dibenzo(a,h)anthracene	25.63	278	54307	4.771	ng	# 92
92) Benzo(g,h,i)perylene	26.32	276	165141	14.593	ng	98

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

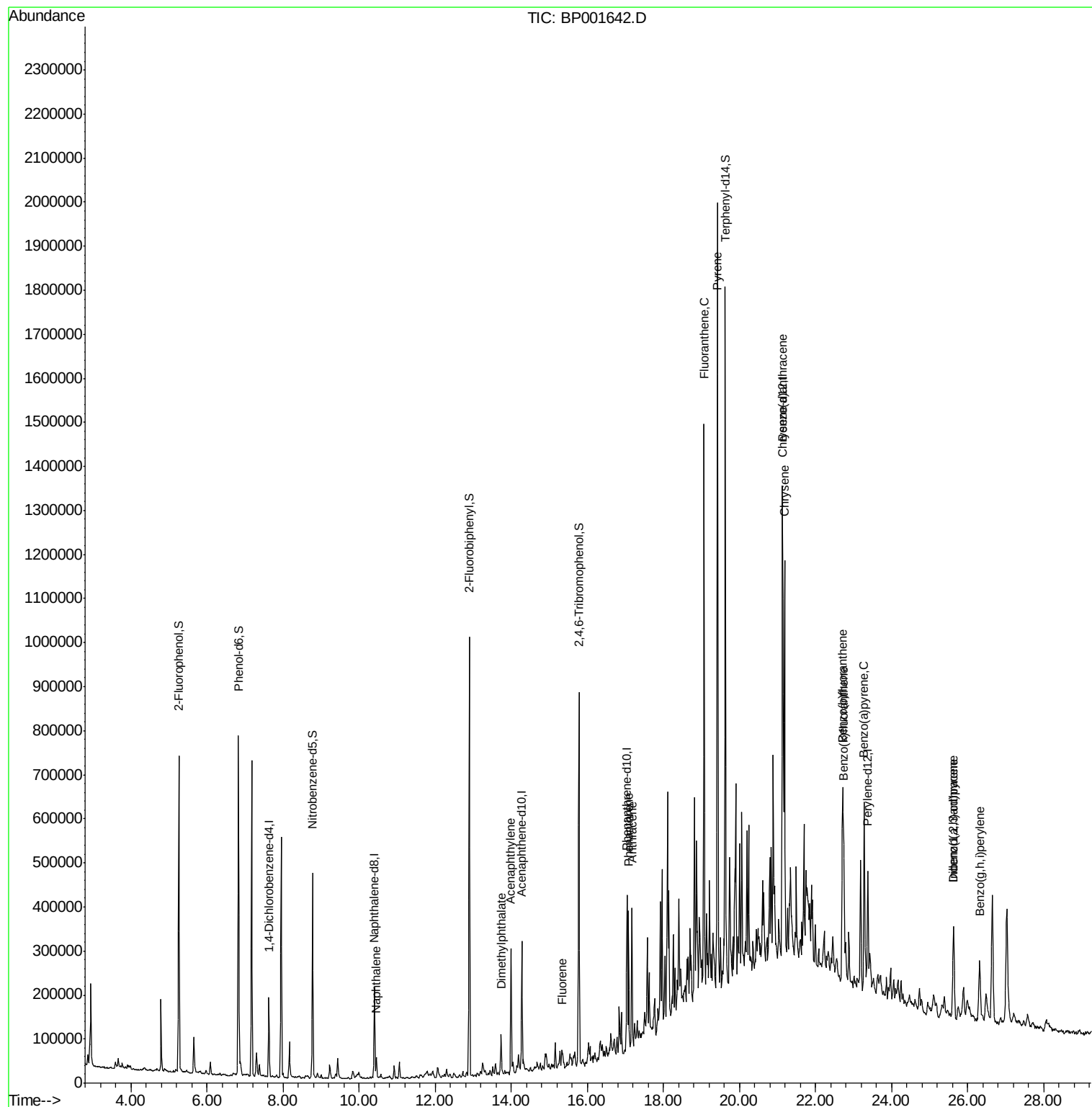
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
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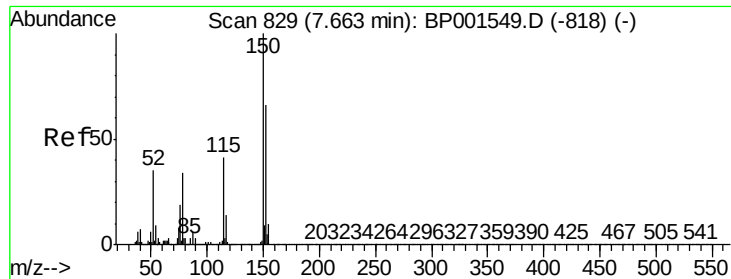
Instrument :
BNA_P
ClientSampleId :
SB-31-(2-4)

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Quant Time: Jan 17 05:42:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
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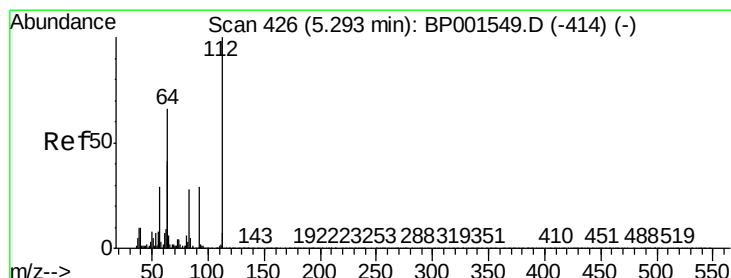
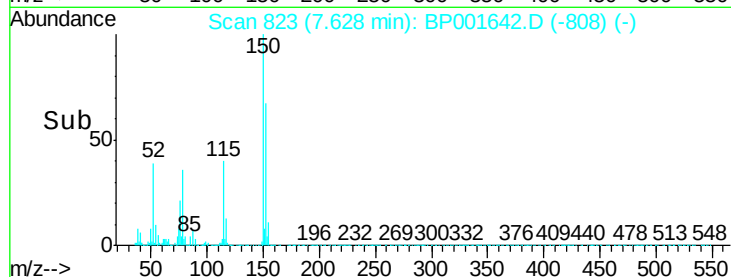
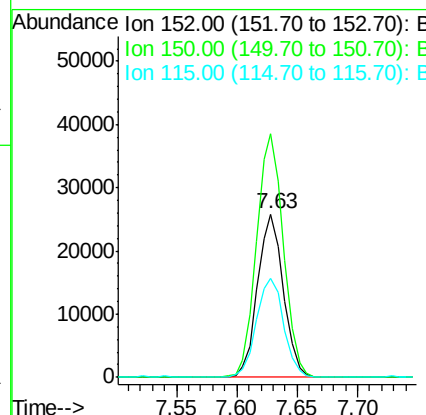
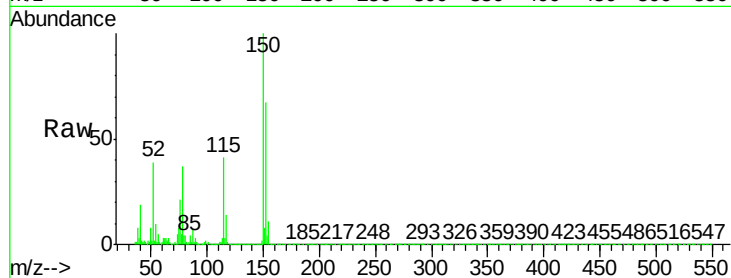
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 823
Delta R.T. -0.01 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Instrument :
BNA_P
ClientSampleId :
SB-31-(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.2	122.0	183.0
115	60.6	50.7	76.1

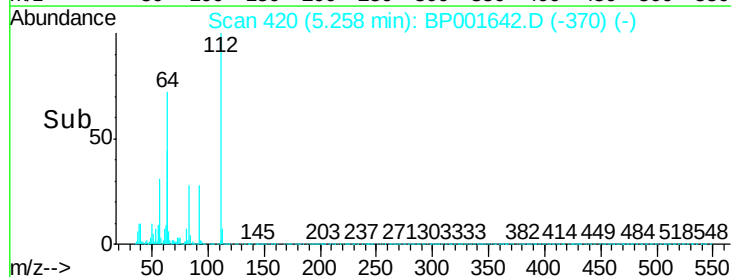
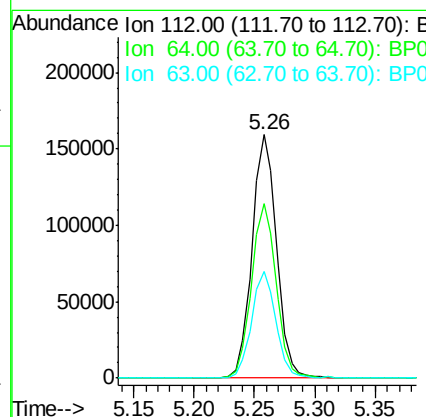
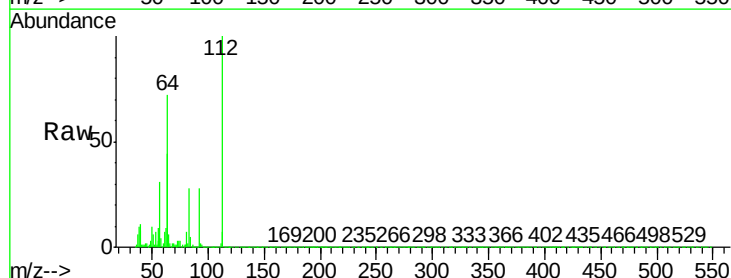
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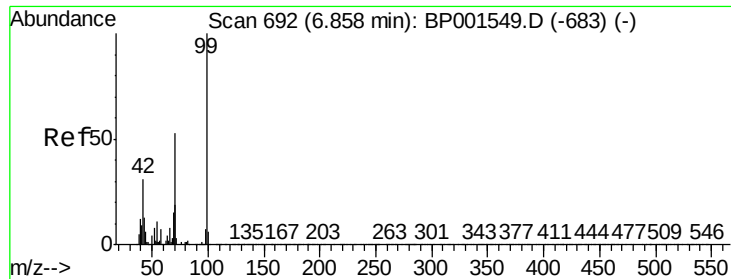
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#5
2-Fluorophenol
Concen: 115.432 ng
RT: 5.26 min Scan# 420
Delta R.T. -0.01 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.8	52.8	79.2
63	43.9	33.1	49.7





#7

Phenol-d6

Concen: 105.469 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001642.D

Acq: 16 Jan 2020 23:12

Instrument :

BNA_P

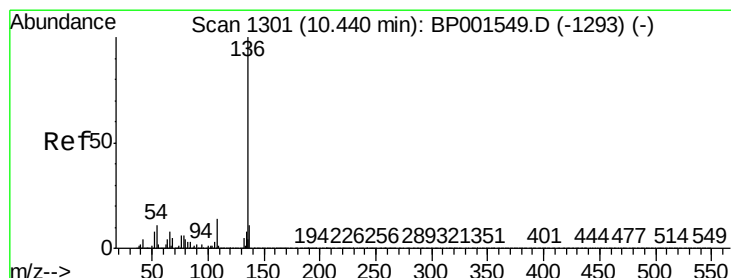
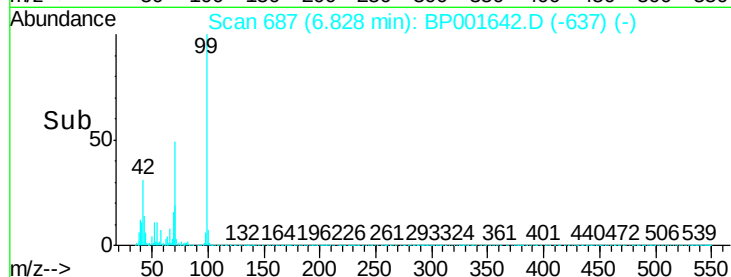
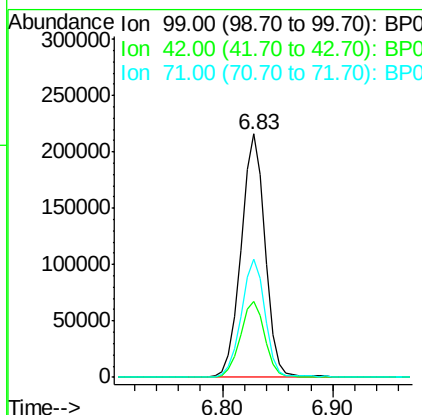
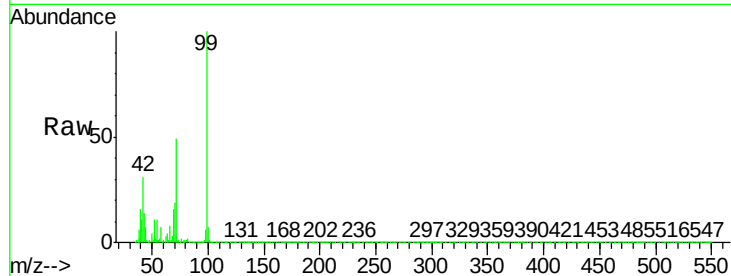
ClientSampleId :

SB-31-(2-4)

Tot Ion:	99	Resp:	330641
Ion Ratio	Lower	Upper	
99	100		
42	31.4	24.5	36.7
71	48.8	42.4	63.6

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#21

Naphthalene-d8

Concen: 20.000 ng

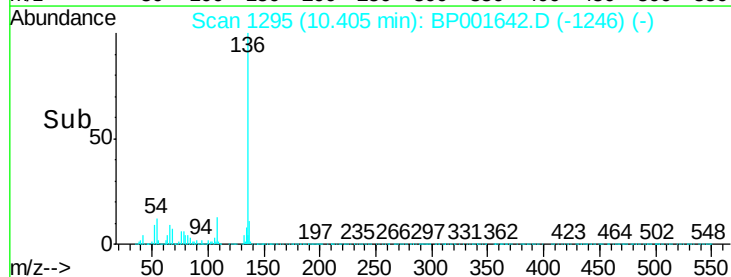
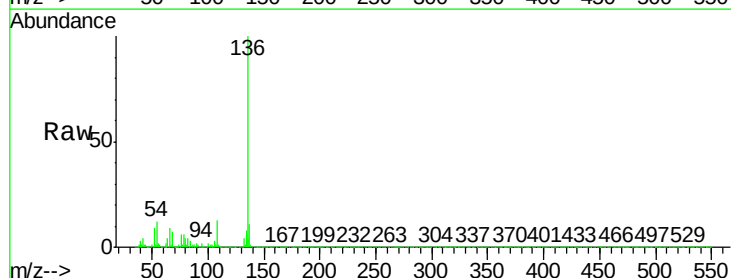
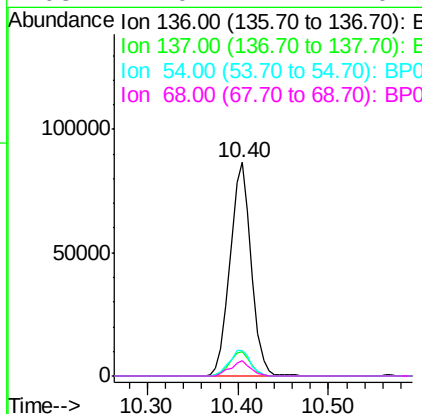
RT: 10.40 min Scan# 1295

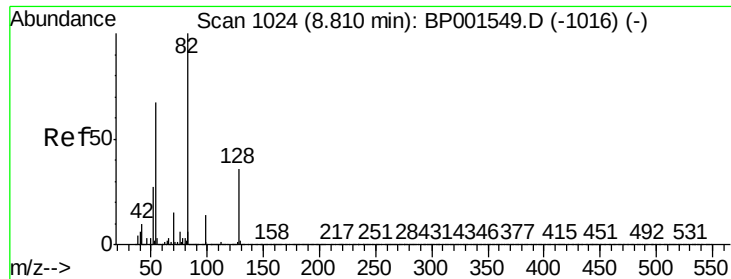
Delta R.T. -0.01 min

Lab File: BP001642.D

Acq: 16 Jan 2020 23:12

Tgt Ion:	136	Resp:	140536
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.6	12.8
54	11.9	9.2	13.8
68	7.0	4.1	6.1#





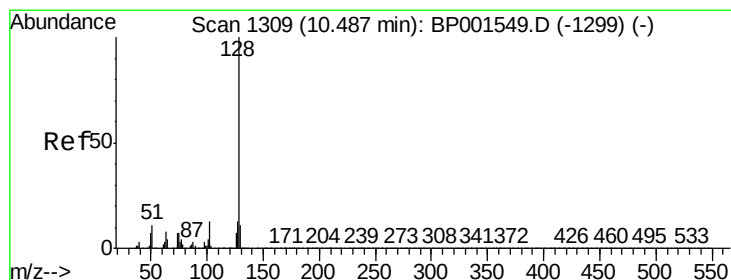
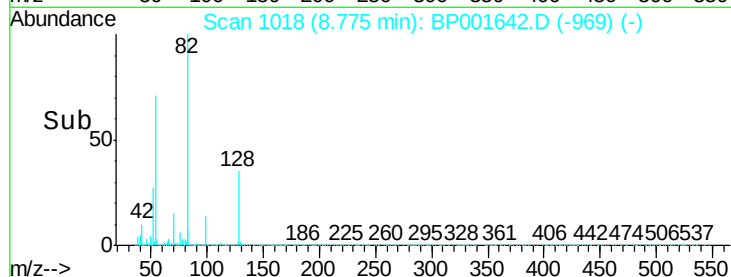
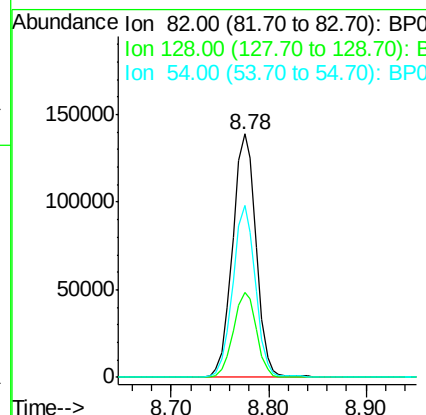
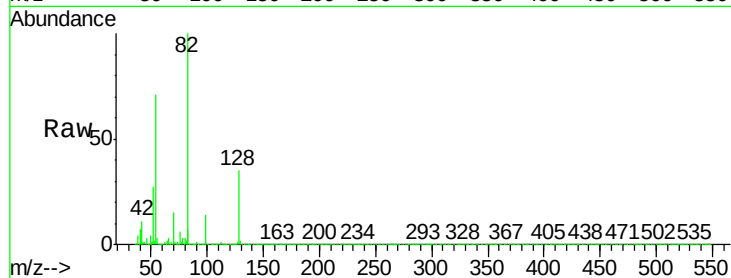
#23
 Nitrobenzene-d5
 Concen: 72.249 ng
 RT: 8.78 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BP001642.D
 Acq: 16 Jan 2020 23:12

Instrument :
 BNA_P
 ClientSampleId :
 SB-31-(2-4)

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.8	28.4	42.6
54	70.7	53.4	80.2

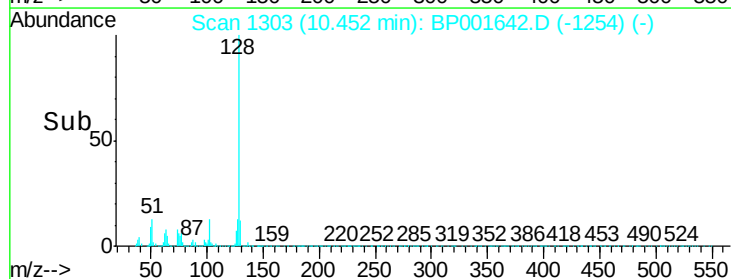
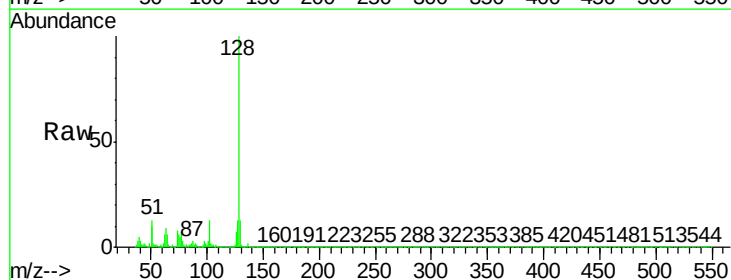
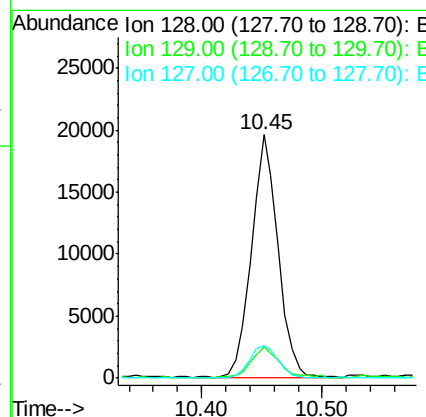
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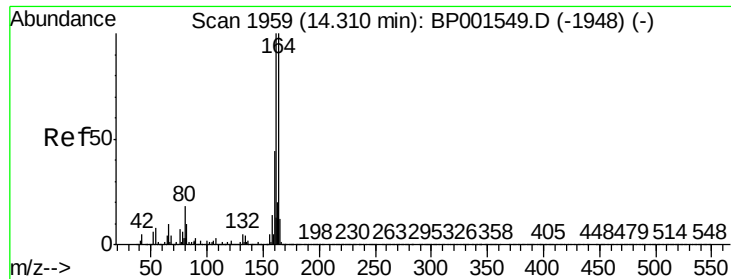
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#31
 Naphthalene
 Concen: 4.041 ng
 RT: 10.45 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BP001642.D
 Acq: 16 Jan 2020 23:12

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.6	8.9	13.3
127	13.3	10.6	16.0





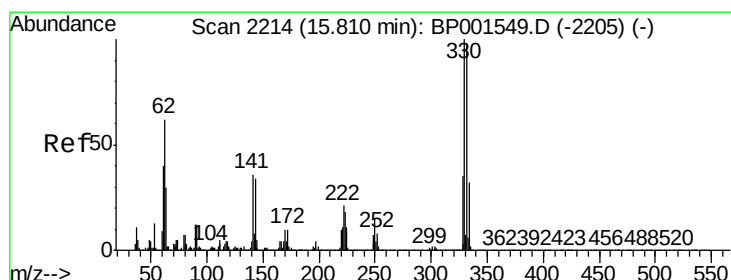
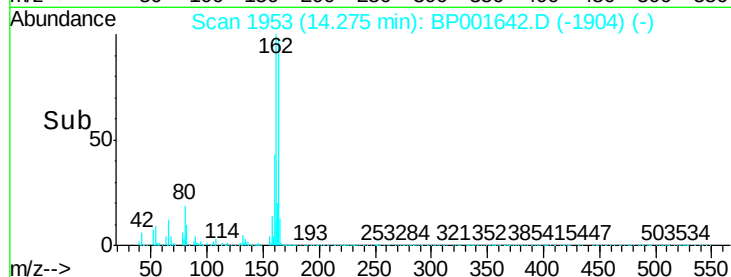
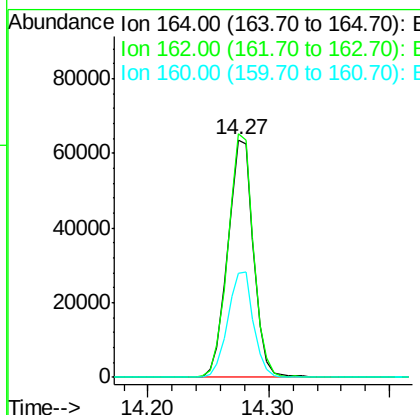
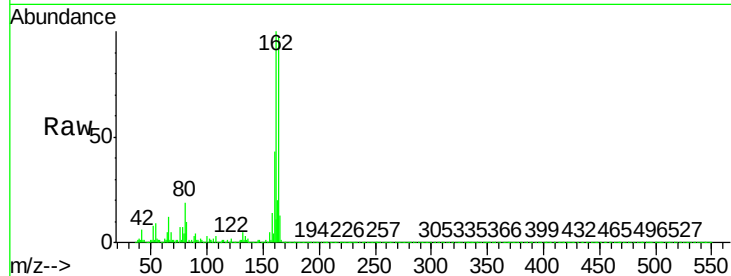
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.27 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Instrument :
BNA_P
ClientSampled :
SB-31-(2-4)

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	79.8	119.6
160	43.9	35.0	52.6

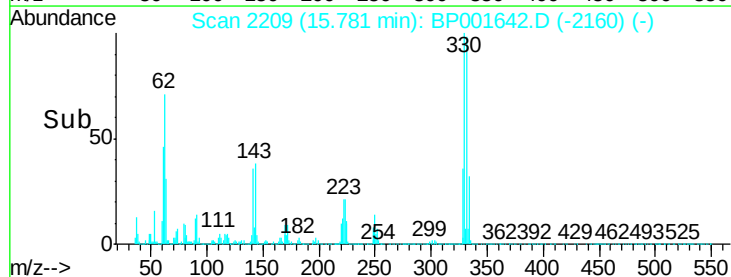
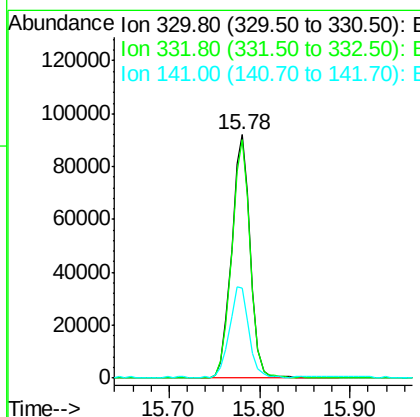
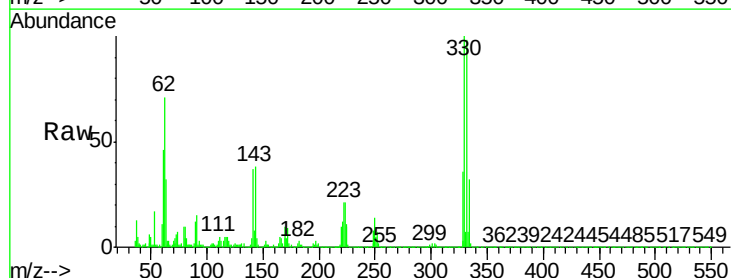
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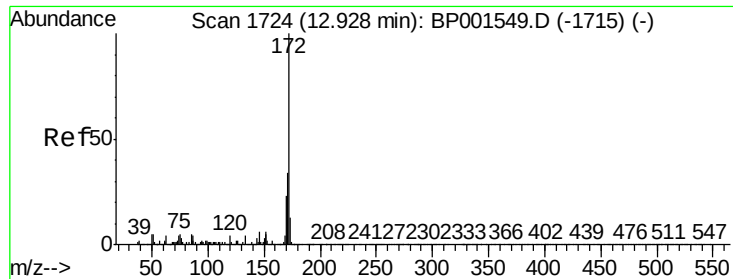
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#42
2,4,6-Tribromophenol
Concen: 92.337 ng
RT: 15.78 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.8	116.6
141	38.6	28.7	43.1





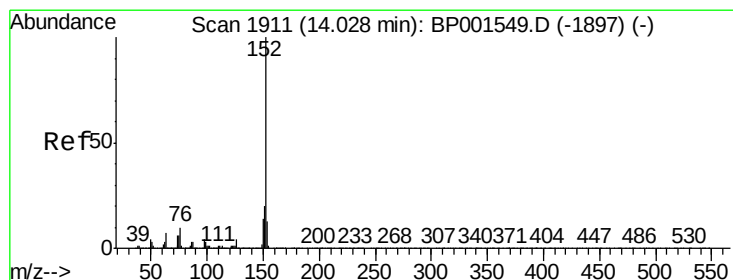
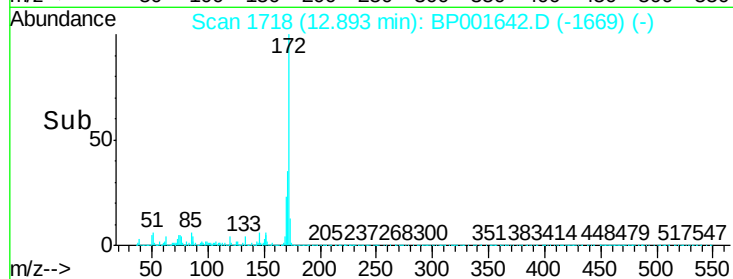
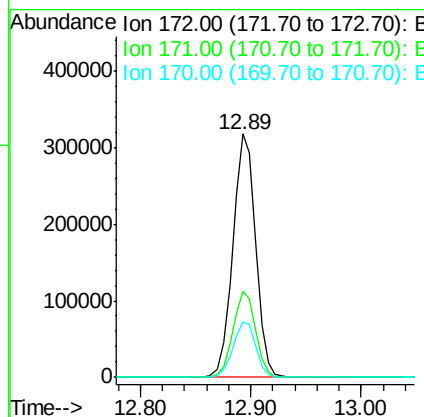
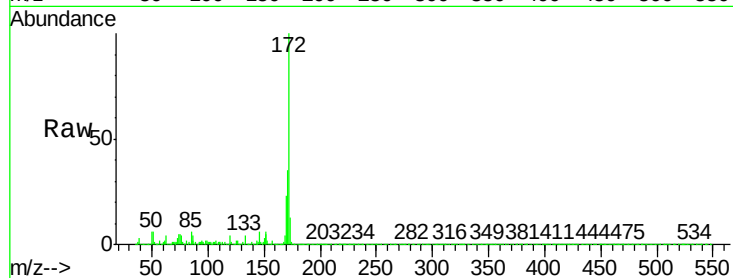
#45
2-Fluorobiphenyl
Concen: 72.213 ng
RT: 12.89 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Instrument :
BNA_P
ClientSampleId :
SB-31-(2-4)

Tot Ion:172	Resp:	459352
Ion Ratio	Lower	Upper
172 100		
171 35.3	27.6	41.4
170 23.0	18.3	27.5

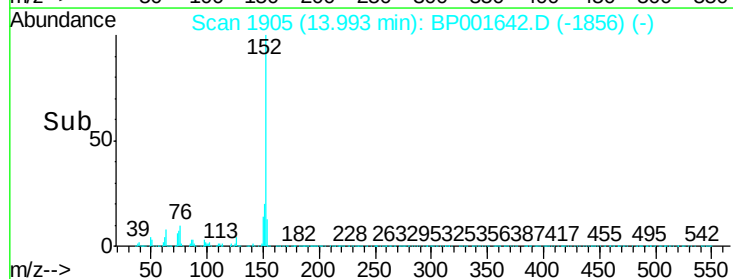
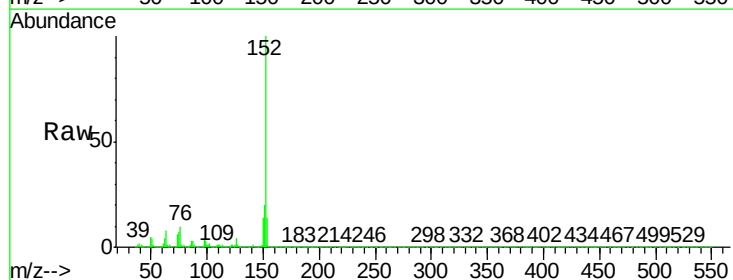
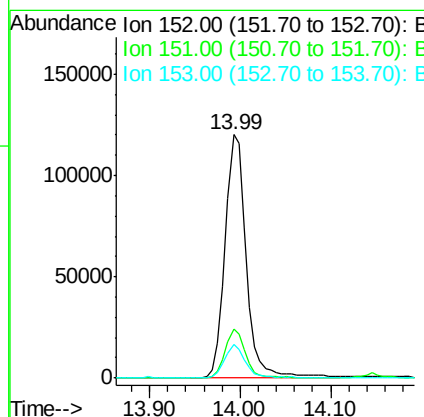
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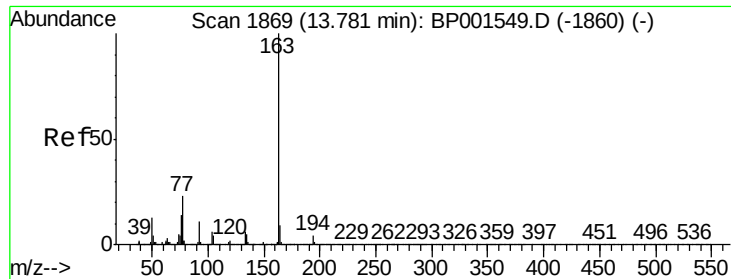
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#49
Acenaphthylene
Concen: 22.671 ng
RT: 13.99 min Scan# 1905
Delta R.T. -0.01 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Tgt Ion:152	Resp:	194752
Ion Ratio	Lower	Upper
152 100		
151 19.9	15.9	23.9
153 13.9	10.4	15.6





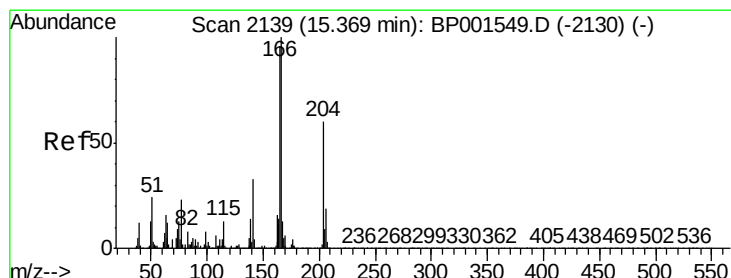
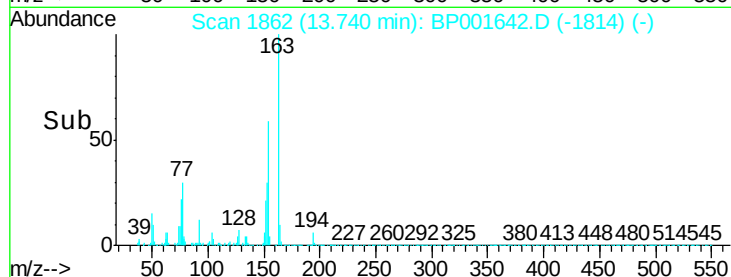
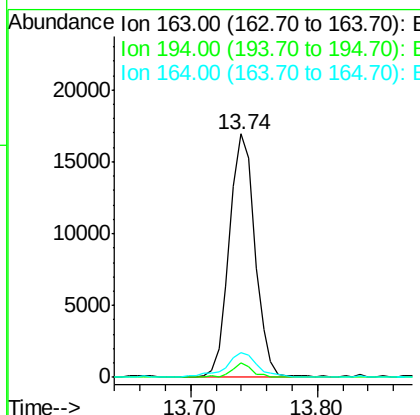
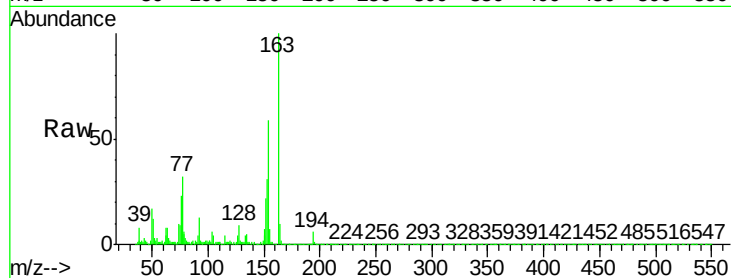
#50
Dimethylphthalate
Concen: 3.068 ng
RT: 13.74 min Scan# 1862
Delta R.T. -0.02 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Instrument :
BNA_P
ClientSampleId :
SB-31-(2-4)

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.8	3.6	5.4#
164	10.4	7.5	11.3

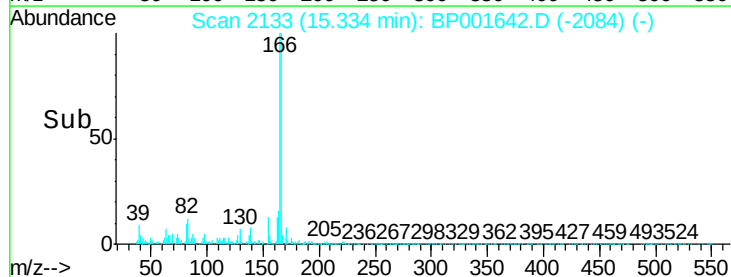
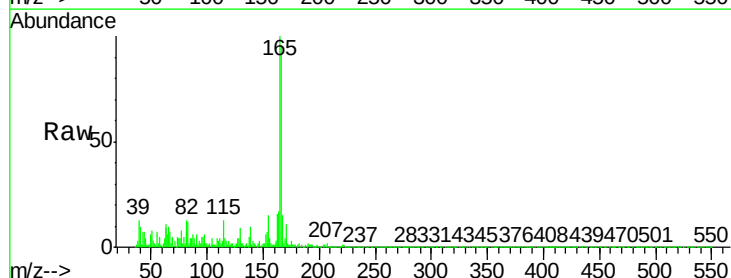
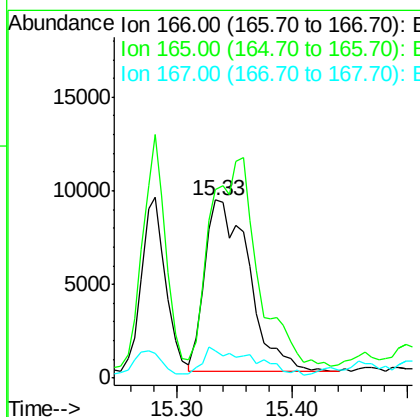
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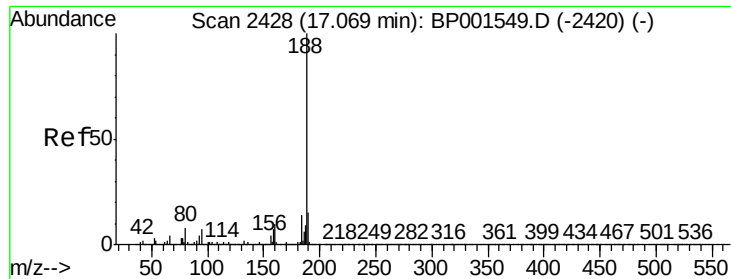
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#58
Fluorene
Concen: 3.328 ng
RT: 15.33 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.5	76.9	115.3
167	15.4	10.3	15.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.04 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BP001642.D

Acq: 16 Jan 2020 23:12

Instrument :

BNA_P

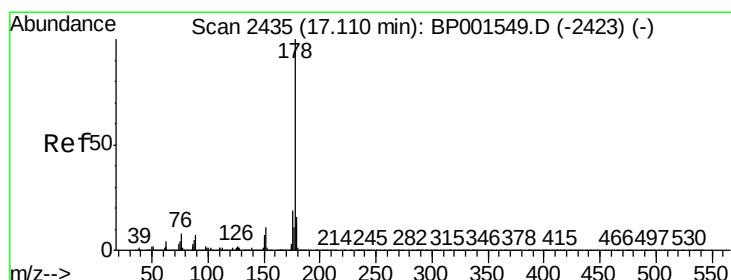
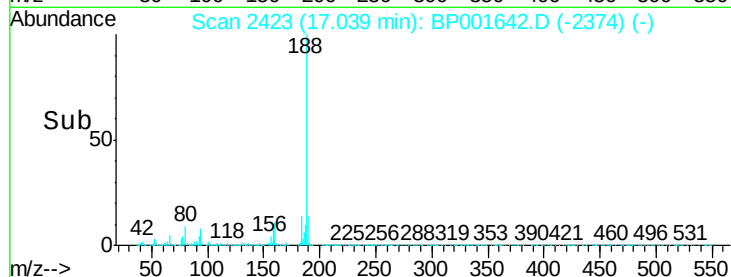
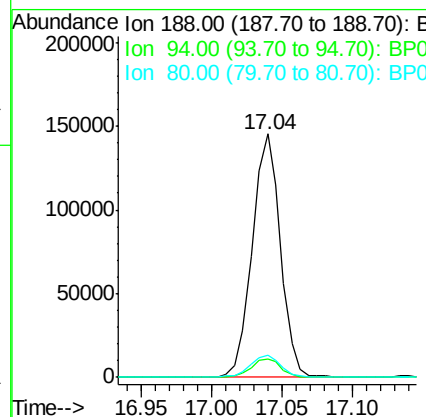
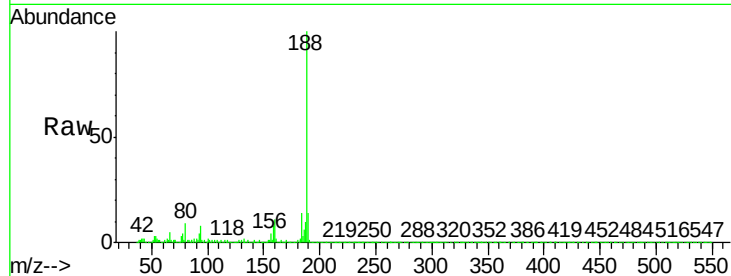
ClientSampled :

SB-31-(2-4)

Tot Ion:	188	Resp:	202752
Ion Ratio	Lower	Upper	
188	100		
94	8.9	5.9	8.9#
80	9.4	6.8	10.2

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#71

Phenanthrene

Concen: 15.686 ng

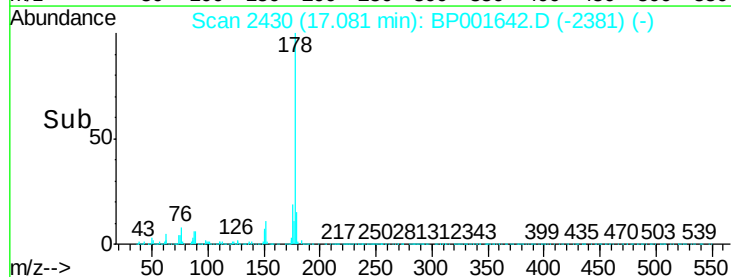
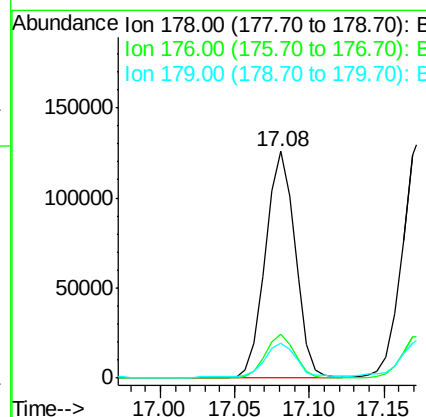
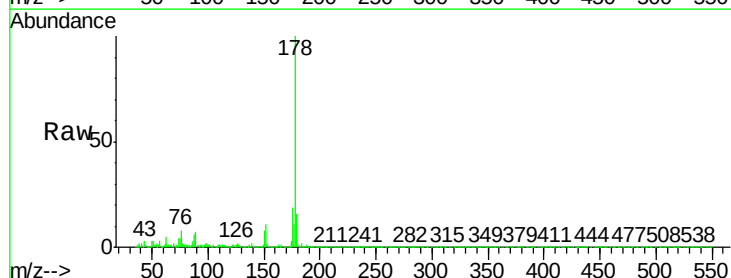
RT: 17.08 min Scan# 2430

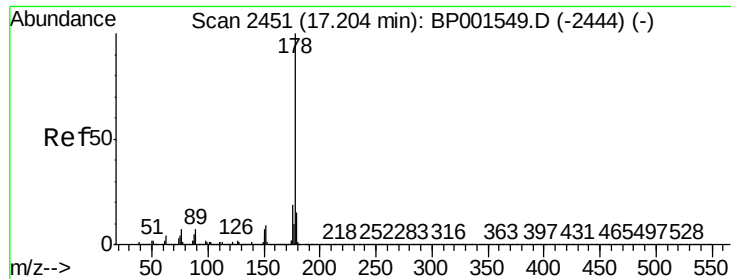
Delta R.T. -0.01 min

Lab File: BP001642.D

Acq: 16 Jan 2020 23:12

Tgt Ion:	178	Resp:	172954
Ion Ratio	Lower	Upper	
178	100		
176	19.3	14.9	22.3
179	15.7	12.5	18.7





#72

Anthracene

Concen: 17.345 ng

RT: 17.17 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BP001642.D

Acq: 16 Jan 2020 23:12

Instrument :

BNA_P

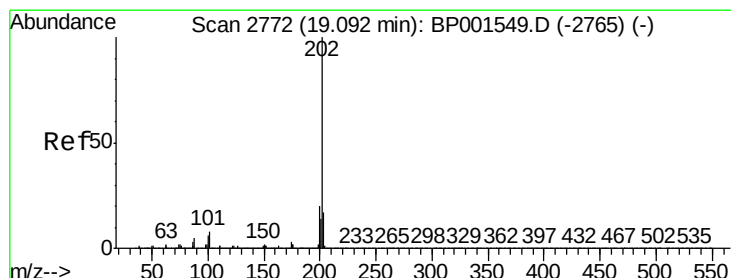
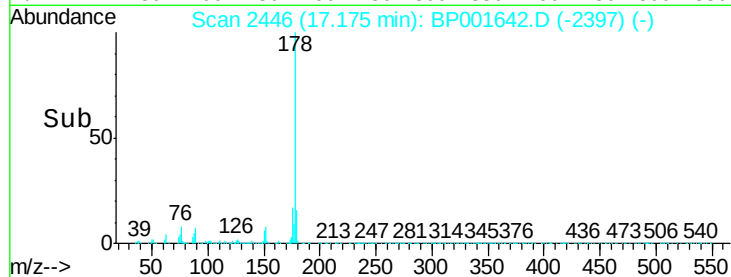
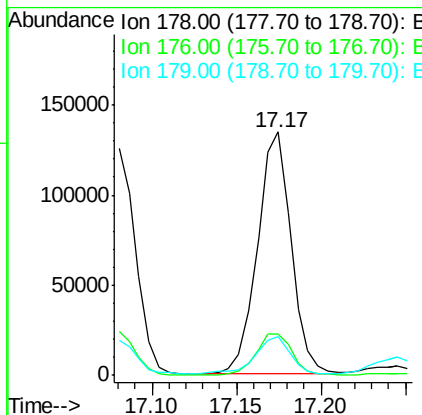
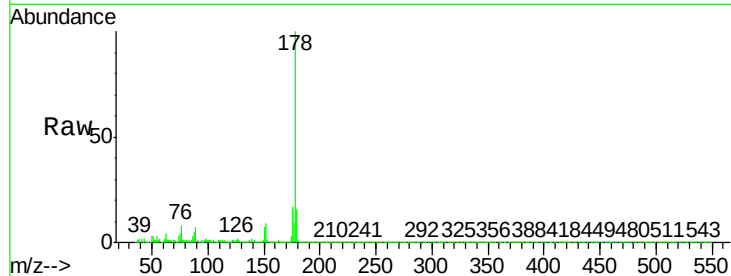
ClientSampleId :

SB-31-(2-4)

Tot Ion:	178	Resp:	186184
Ion Ratio	Lower	Upper	
178	100		
176	17.2	15.0	22.6
179	16.1	11.8	17.8

Manual Integrations
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#75

Fluoranthene

Concen: 44.194 ng

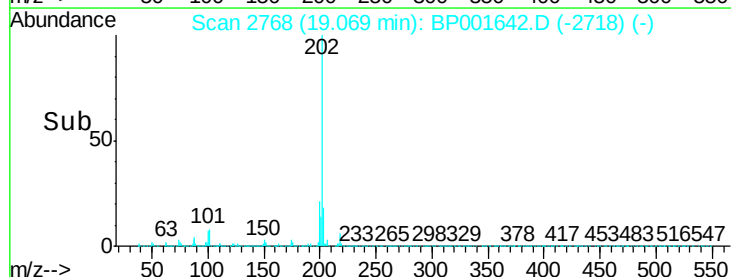
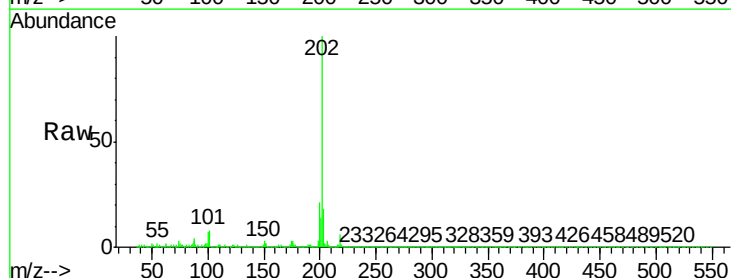
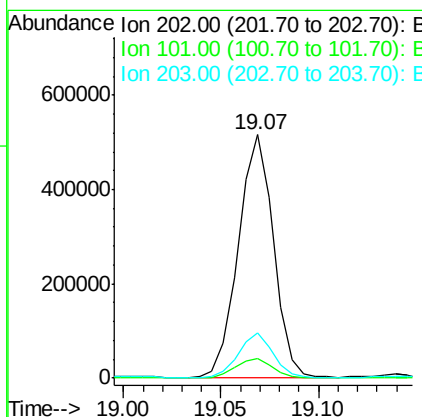
RT: 19.07 min Scan# 2768

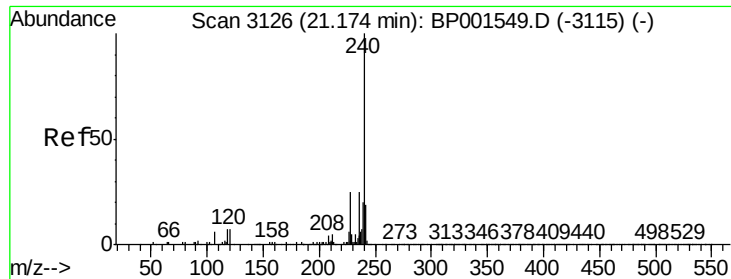
Delta R.T. -0.01 min

Lab File: BP001642.D

Acq: 16 Jan 2020 23:12

Tgt Ion:	202	Resp:	641197
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	28.4
203	18.5	0.0	37.4





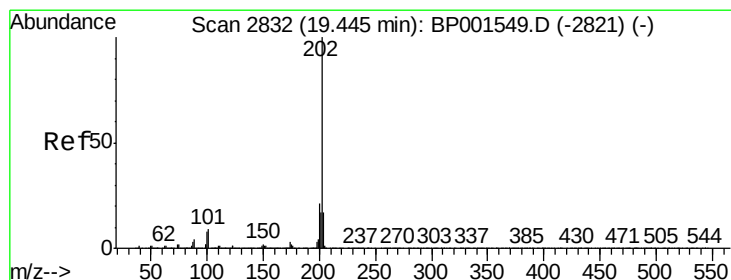
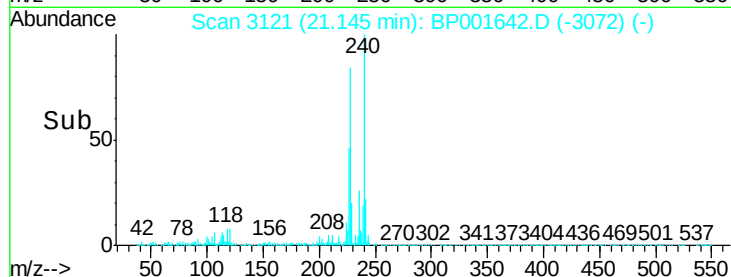
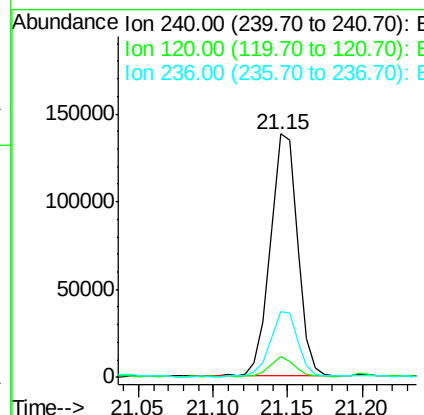
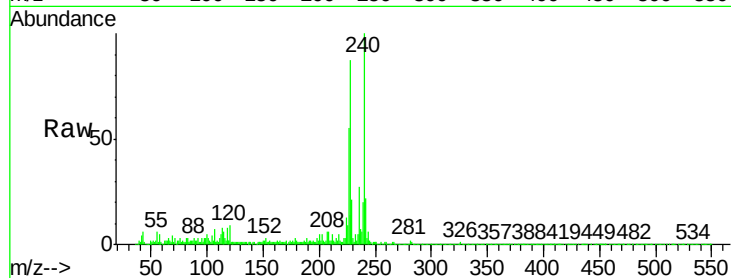
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Instrument :
BNA_P
ClientSampleId :
SB-31-(2-4)

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.7	5.7	8.5#
236	26.8	20.4	30.6

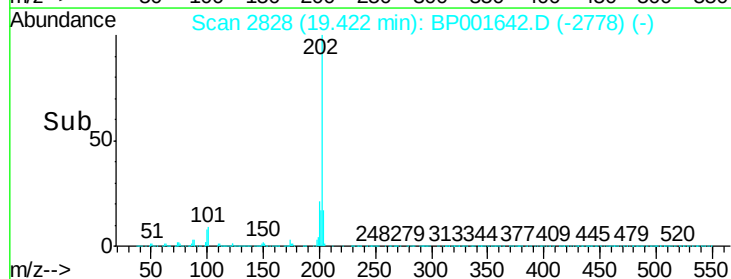
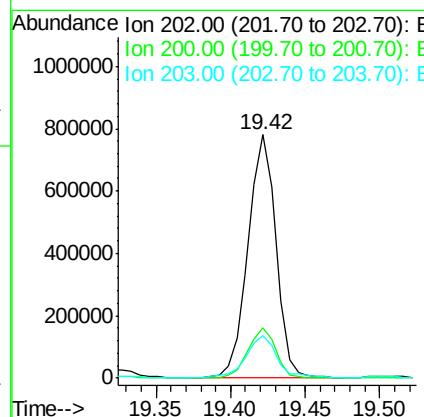
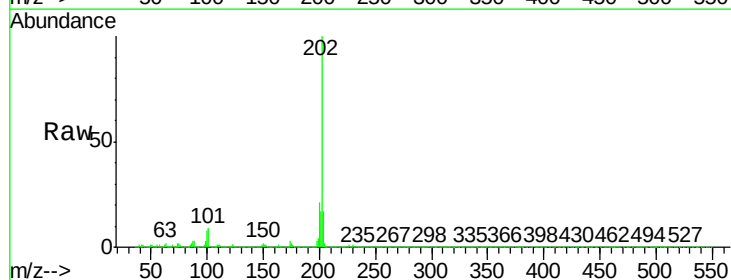
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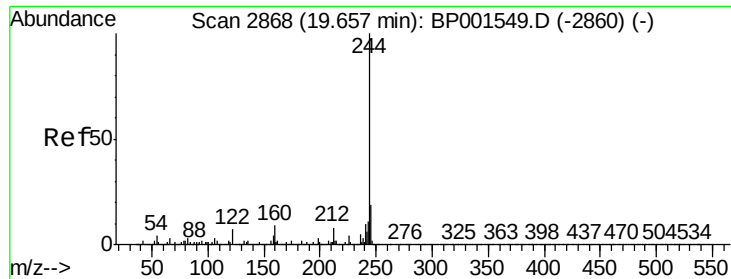
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#78
Pyrene
Concen: 77.961 ng
RT: 19.42 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.6
203	17.4	13.7	20.5





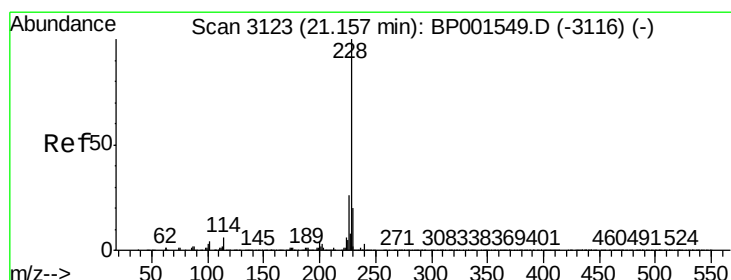
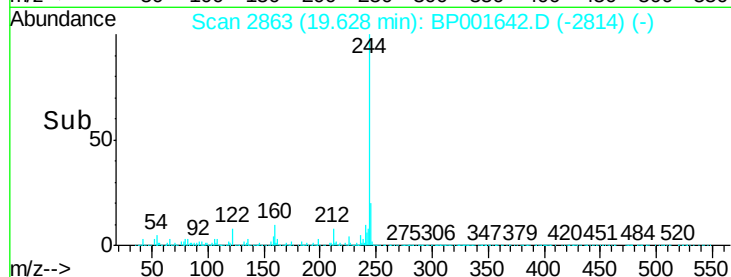
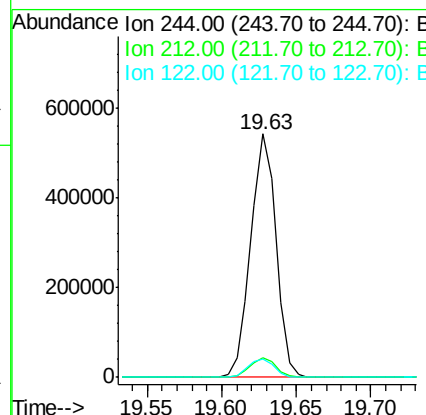
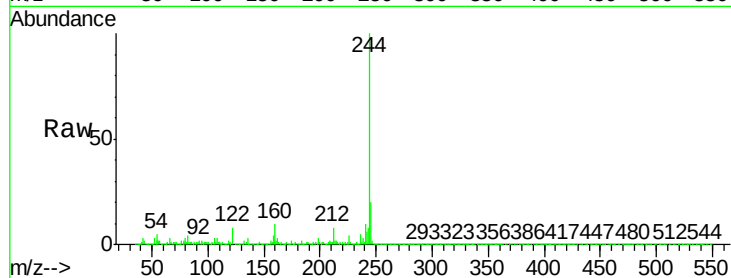
#79
 Terphenyl-d14
 Concen: 66.152 ng
 RT: 19.63 min Scan# 2863
 Delta R.T. -0.01 min
 Lab File: BP001642.D
 Acq: 16 Jan 2020 23:12

Instrument :
 BNA_P
 ClientSampleId :
 SB-31-(2-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.3	9.5
122	7.7	5.8	8.6

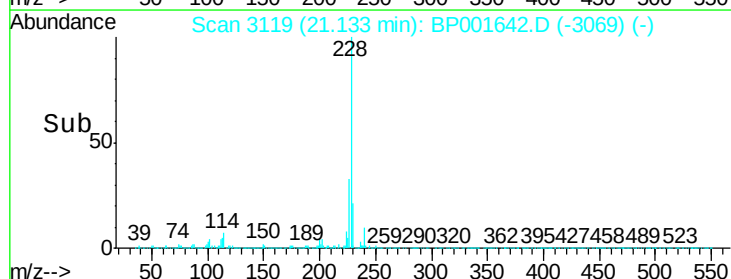
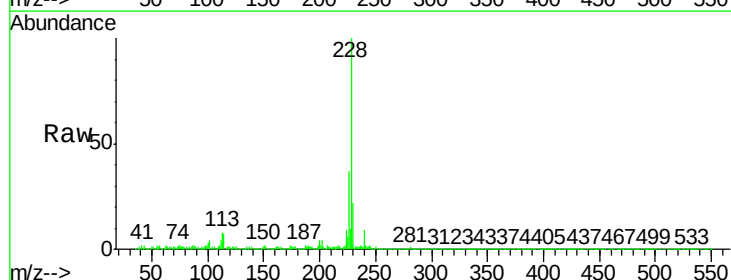
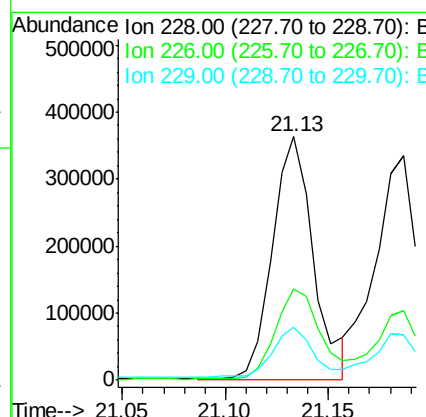
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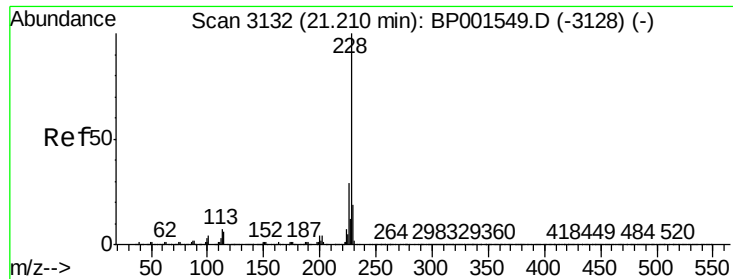
mohammad
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#81
 Benzo(a)anthracene
 Concen: 41.628 ng m
 RT: 21.13 min Scan# 3119
 Delta R.T. -0.01 min
 Lab File: BP001642.D
 Acq: 16 Jan 2020 23:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.4	21.2	31.8#
229	21.6	16.1	24.1





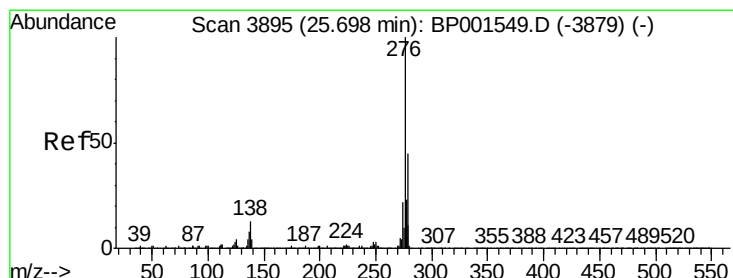
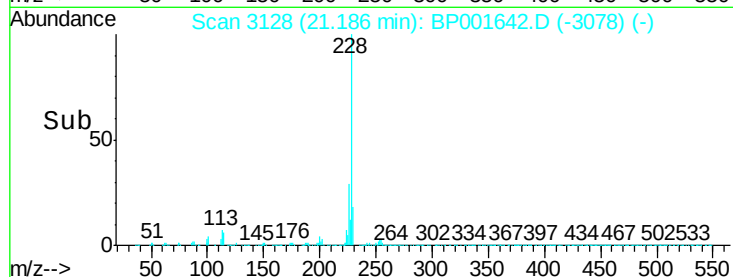
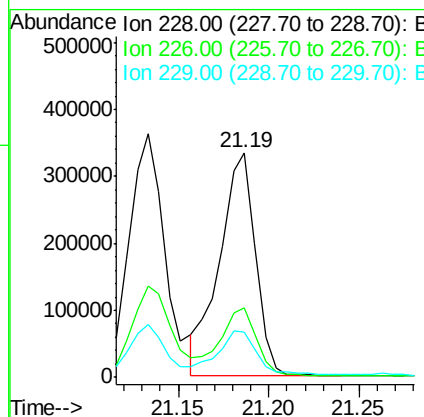
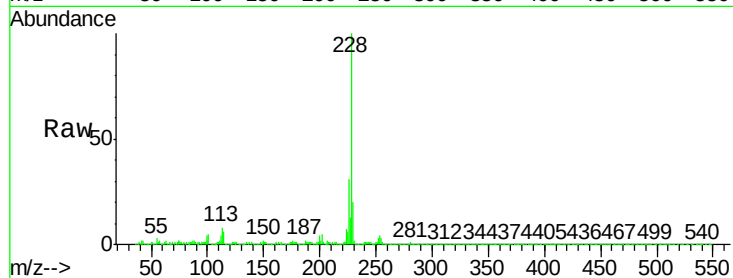
#83
Chrysene
Concen: 38.685 ng
RT: 21.19 min Scan# 3128
Delta R.T. -0.01 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Instrument :
BNA_P
ClientSampleId :
SB-31-(2-4)

Tot Ion:	228	Resp:	460840
Ion Ratio		Lower	Upper
228	100		
226	30.8	23.2	34.8
229	20.1	15.2	22.8

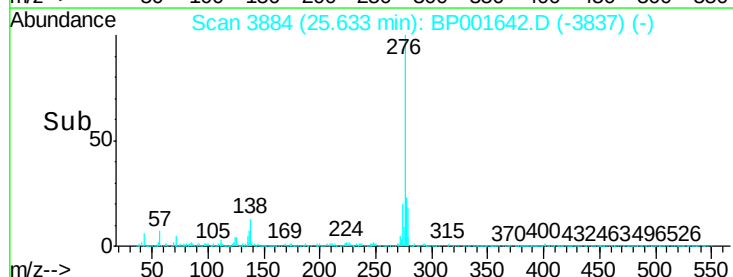
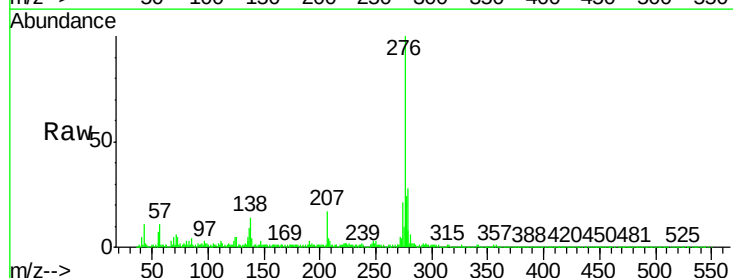
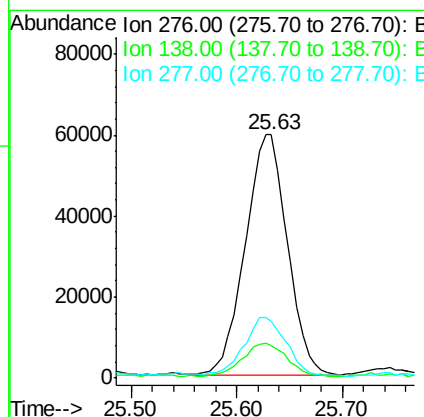
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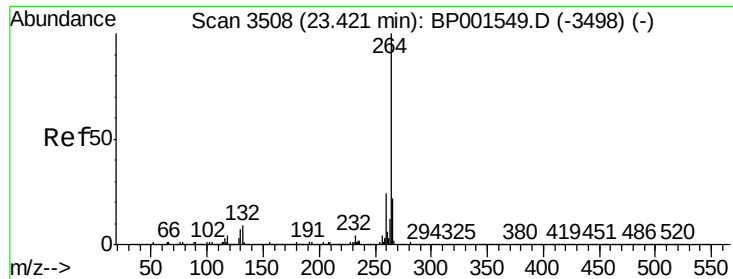
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#86
Indeno(1,2,3-cd)pyrene
Concen: 11.774 ng
RT: 25.63 min Scan# 3884
Delta R.T. -0.02 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Tgt Ion:	276	Resp:	164183
Ion Ratio		Lower	Upper
276	100		
138	14.8	11.1	16.7
277	25.1	20.4	30.6





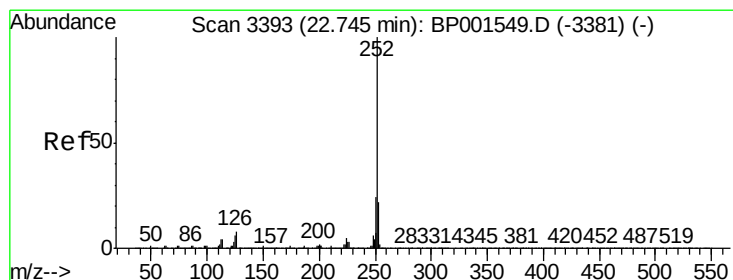
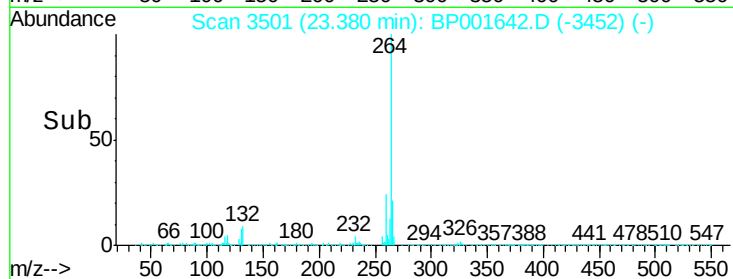
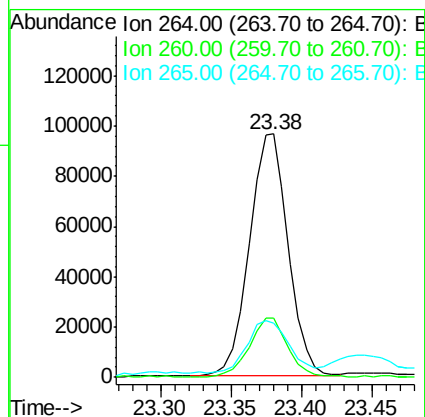
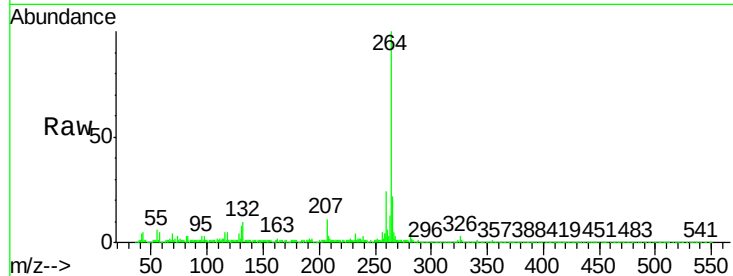
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3501
Delta R.T. -0.01 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Instrument :
BNA_P
ClientSampleId :
SB-31-(2-4)

Tot Ion:	264	Resp:	184405
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.0	28.6
265	22.4	18.2	27.4

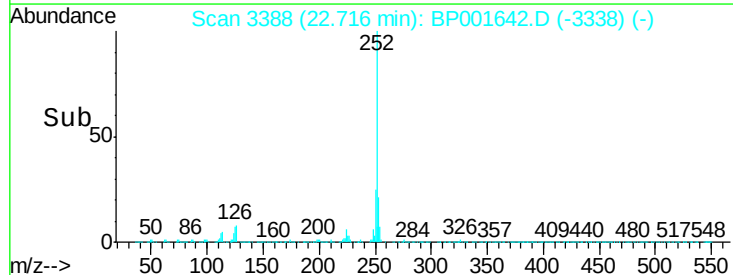
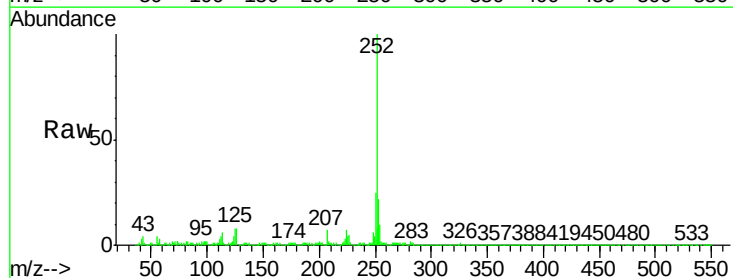
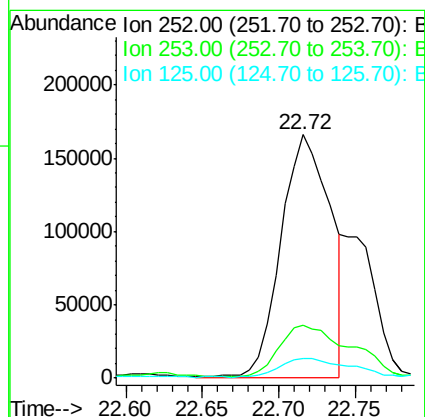
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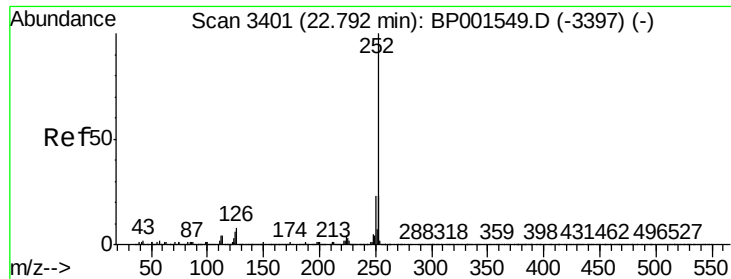
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#88
Benzo(b)fluoranthene
Concen: 32.211 ng m
RT: 22.72 min Scan# 3388
Delta R.T. -0.01 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Tgt Ion:	252	Resp:	374297
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.6	26.4
125	8.0	4.6	7.0#





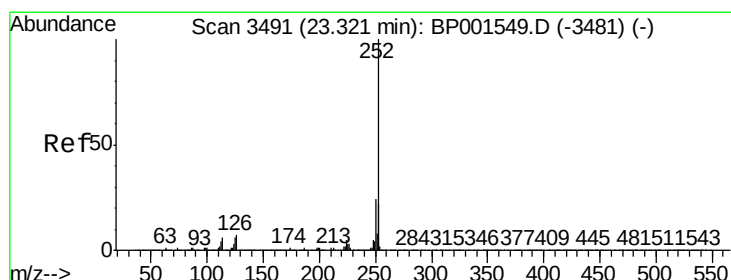
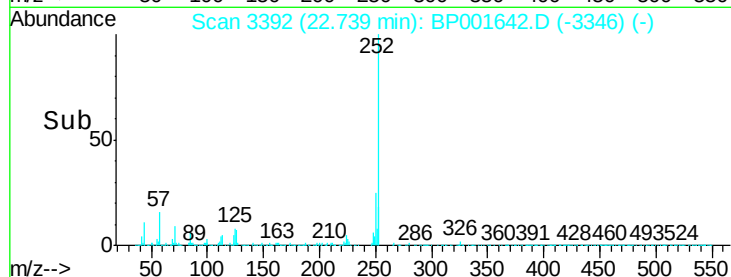
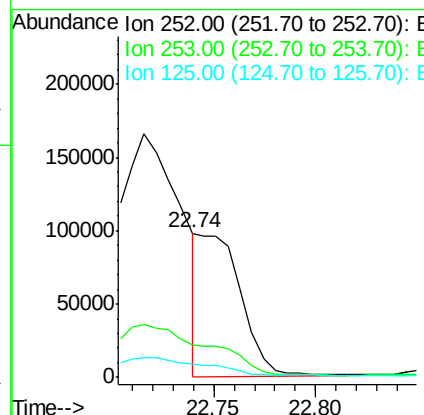
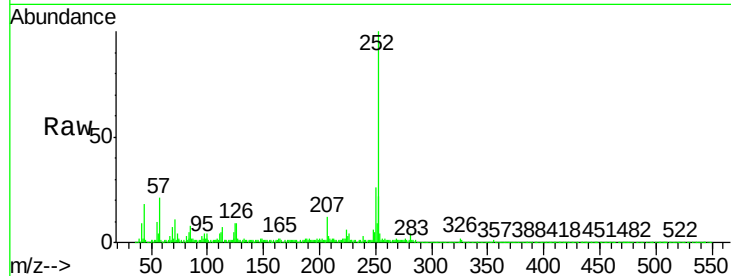
#89
Benzo(k)fluoranthene
Concen: 12.244 ng m
RT: 22.74 min Scan# 3392
Delta R.T. -0.03 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Instrument :
BNA_P
ClientSampled :
SB-31-(2-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	9.0	4.6	6.8

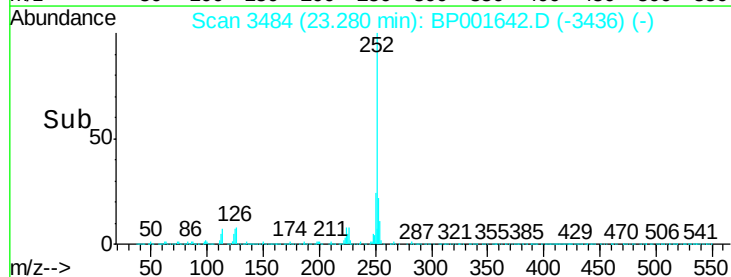
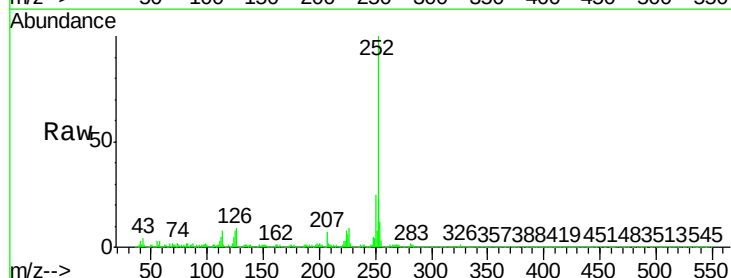
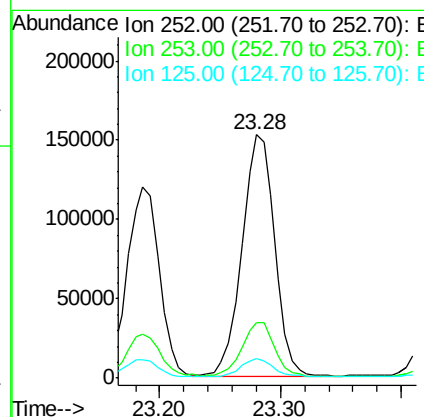
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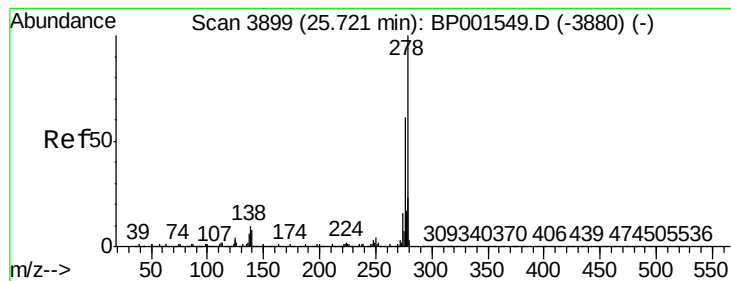
mohammad
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#90
Benzo(a)pyrene
Concen: 25.914 ng
RT: 23.28 min Scan# 3484
Delta R.T. -0.02 min
Lab File: BP001642.D
Acq: 16 Jan 2020 23:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	7.9	5.0	7.4





#91

Dibenzo(a,h)anthracene

Concen: 4.771 ng

RT: 25.63 min Scan# 3883

Delta R.T. -0.04 min

Lab File: BP001642.D

Acq: 16 Jan 2020 23:12

Instrument :

BNA_P

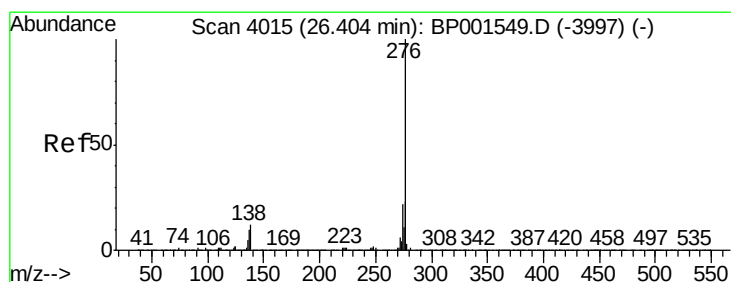
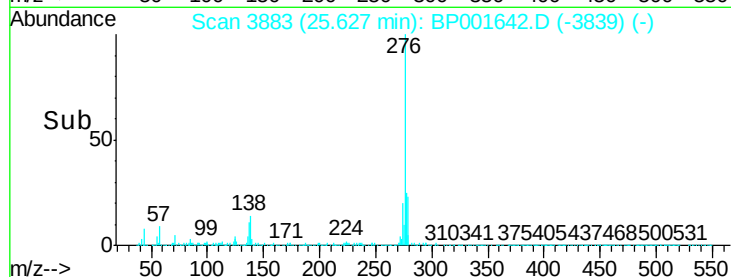
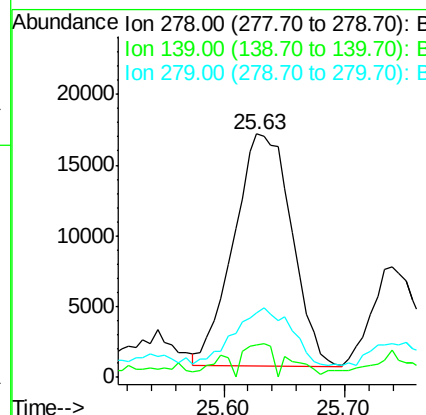
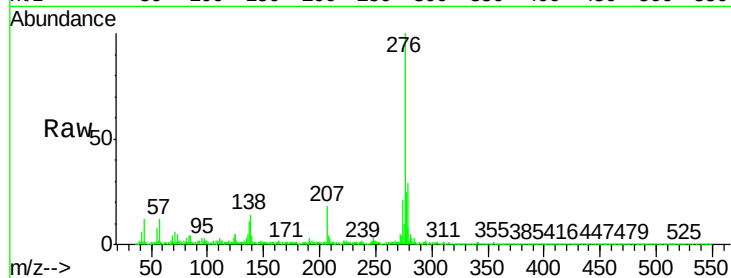
ClientSampleId :

SB-31-(2-4)

Tot Ion:	278	Resp:	54307
Ion Ratio	Lower	Upper	
278	100		
139	13.1	6.7	10.1#
279	26.2	18.6	28.0

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 14.593 ng

RT: 26.32 min Scan# 4001

Delta R.T. -0.02 min

Lab File: BP001642.D

Acq: 16 Jan 2020 23:12

Tgt Ion:	276	Resp:	165141
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.6	28.0
138	13.8	9.4	14.2

