

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
 Data File : BP001646.D
 Acq On : 17 Jan 2020 01:26
 Operator : JU
 Sample : L1016-05 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-011520

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Quant Time: Jan 17 06:19:10 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	41131	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	155842	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	96758	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	202098	20.00	ng	0.00
76) Chrysene-d12	21.15	240	169615	20.00	ng	0.00
87) Perylene-d12	23.39	264	182542	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	91882	43.76	ng	0.00
7) Phenol-d6	6.83	99	142035	42.33	ng	0.00
23) Nitrobenzene-d5	8.78	82	100248	28.11	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	47294	32.11	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	189056	28.73	ng	0.00
79) Terphenyl-d14	19.63	244	248952	26.85	ng	0.00

Target Compounds

						Qvalue
37) 2-Methylnaphthalene	12.08	142	15509	2.366	ng	95
49) Acenaphthylene	14.00	152	28329	3.188	ng	# 97
52) Acenaphthene	14.35	154	12061	2.191	ng	94
58) Fluorene	15.34	166	33976m	4.511	ng	
71) Phenanthrene	17.09	178	444754	40.466	ng	99
72) Anthracene	17.18	178	107247	10.024	ng	97
73) Carbazole	17.45	167	28193	2.807	ng	# 88
75) Fluoranthene	19.07	202	468569	32.400	ng	98
78) Pyrene	19.43	202	428044	34.354	ng	99
81) Benzo(a)anthracene	21.13	228	193352	16.368	ng	96
83) Chrysene	21.19	228	168724	14.656	ng	96
86) Indeno(1,2,3-cd)pyrene	25.64	276	79636	5.910	ng	99
88) Benzo(b)fluoranthene	22.72	252	182073m	15.828	ng	
89) Benzo(k)fluoranthene	22.76	252	68516m	6.109	ng	
90) Benzo(a)pyrene	23.29	252	132964	12.174	ng	# 93
92) Benzo(g,h,i)perylene	26.33	276	75588	6.748	ng	97

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

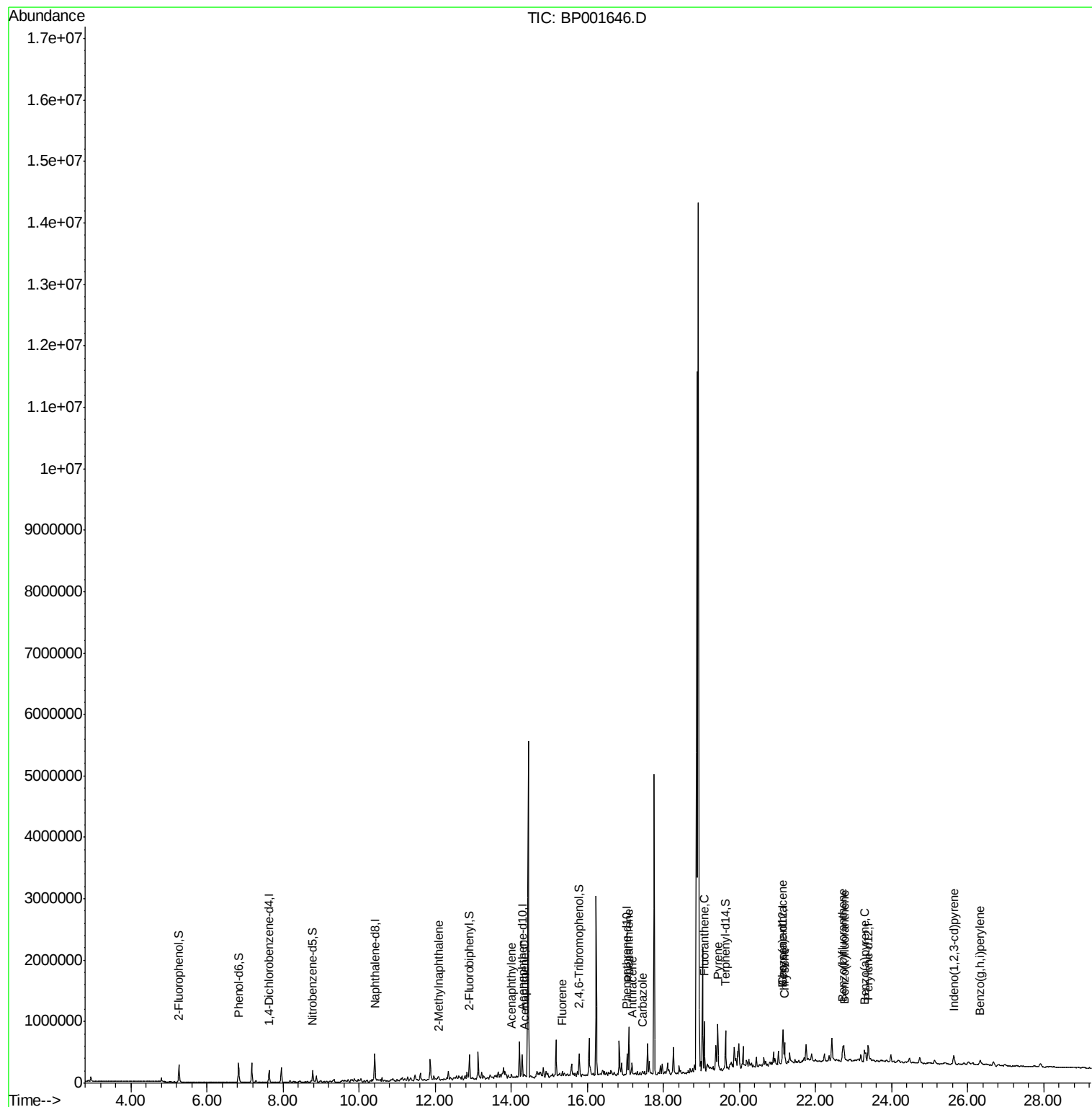
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001646.D
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ALS Vial : 18 Sample Multiplier: 1

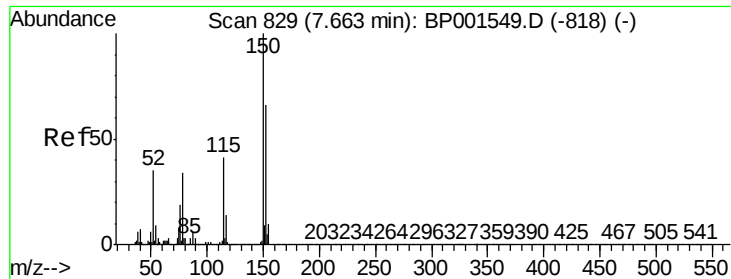
Instrument :
BNA_P
ClientSampleId :
SU-03-011520

Quant Time: Jan 17 06:19:10 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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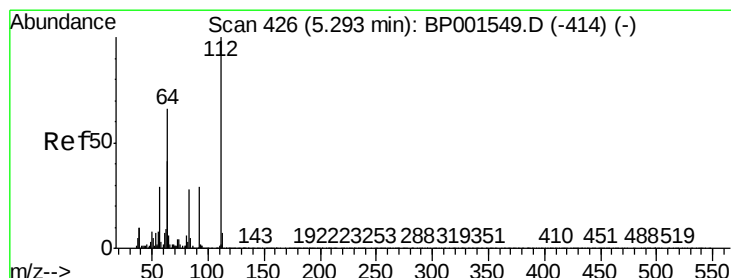
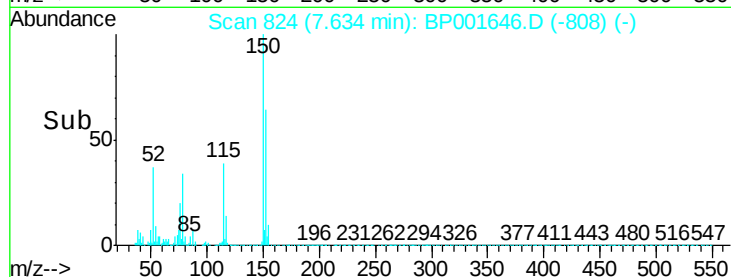
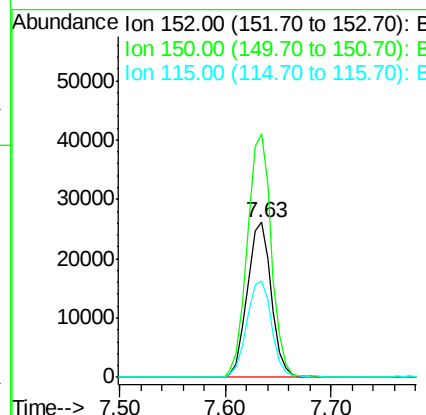
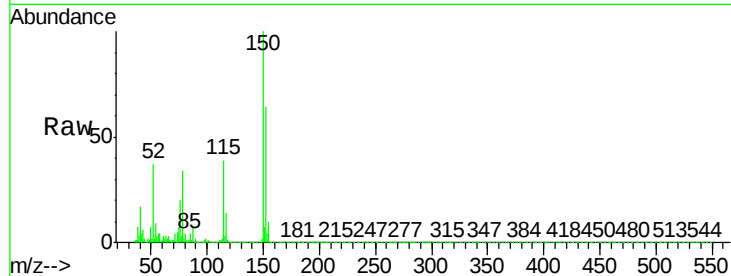
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Instrument :
BNA_P
ClientSampleId :
SU-03-011520

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	122.0	183.0
115	61.9	50.7	76.1

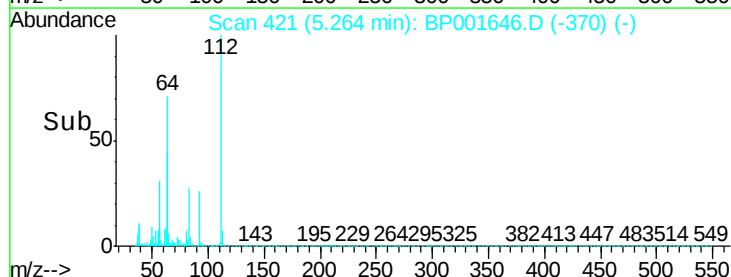
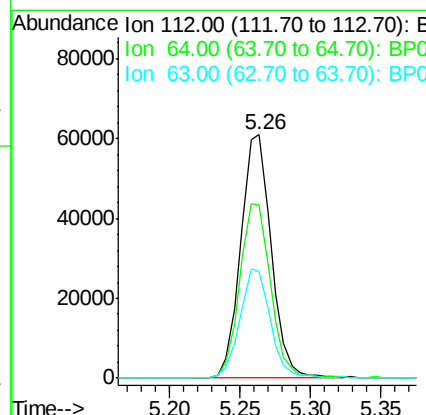
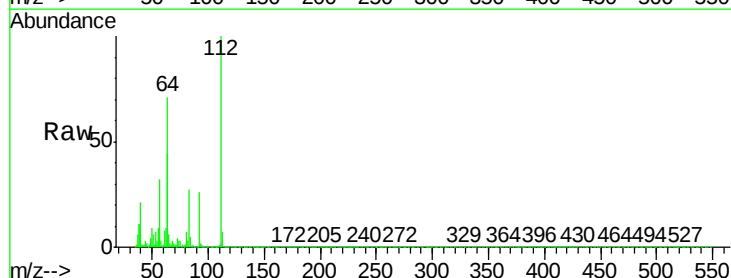
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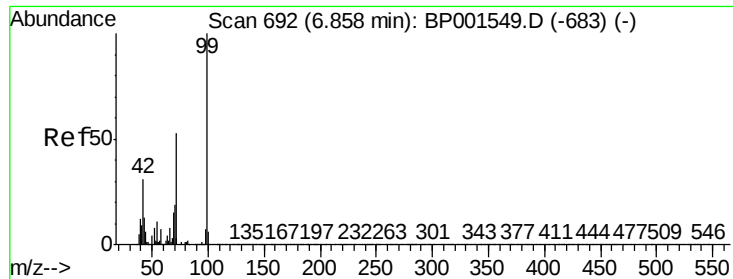
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#5
2-Fluorophenol
Concen: 43.760 ng
RT: 5.26 min Scan# 421
Delta R.T. 0.00 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.1	52.8	79.2
63	43.9	33.1	49.7





#7

Phenol-d6

Concen: 42.326 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Instrument :

BNA_P

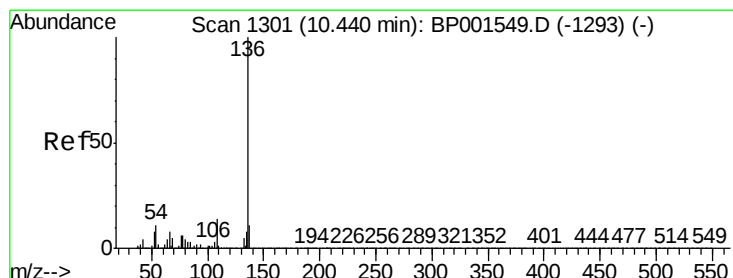
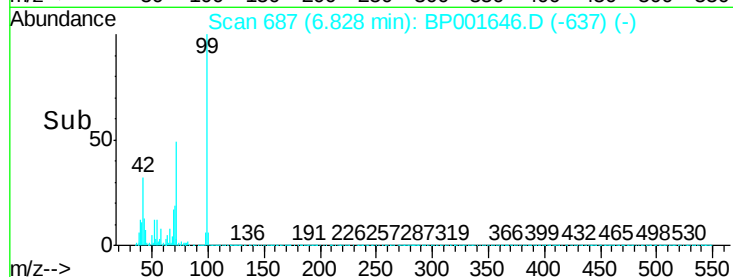
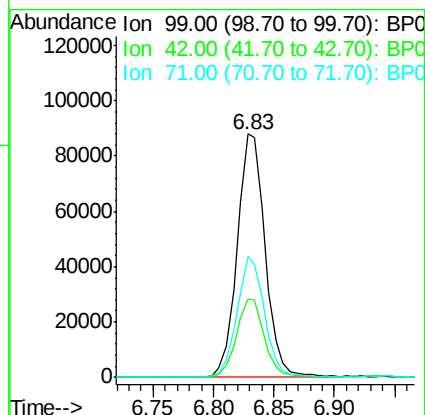
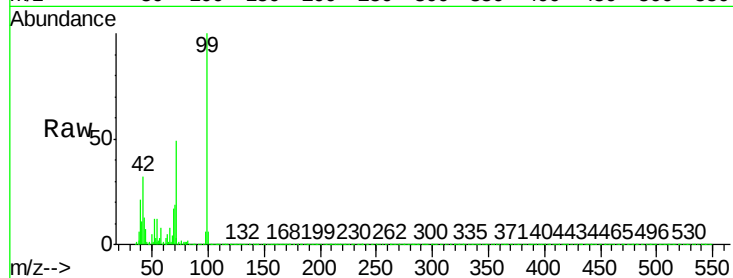
ClientSampleId :

SU-03-011520

Tot Ion:	99	Resp:	142035
Ion Ratio	Lower	Upper	
99	100		
42	32.0	24.5	36.7
71	49.5	42.4	63.6

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#21

Naphthalene-d8

Concen: 20.000 ng

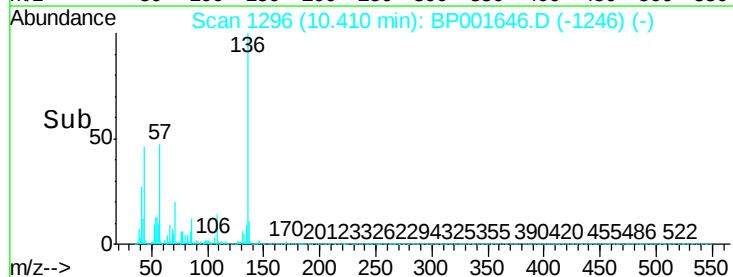
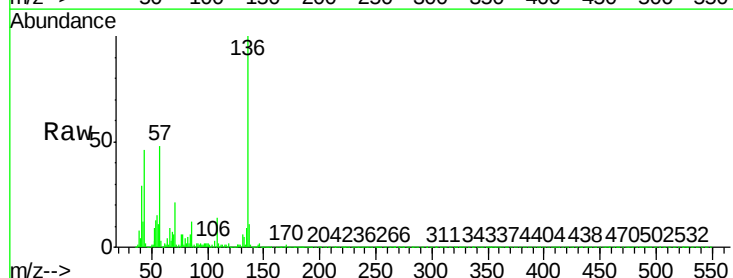
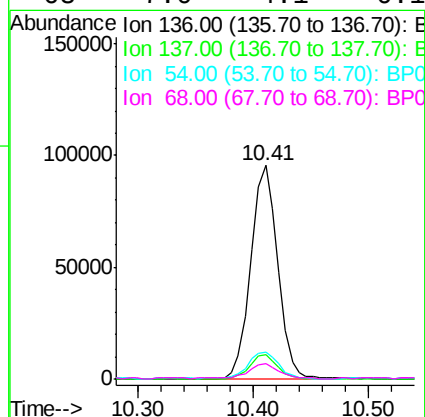
RT: 10.41 min Scan# 1296

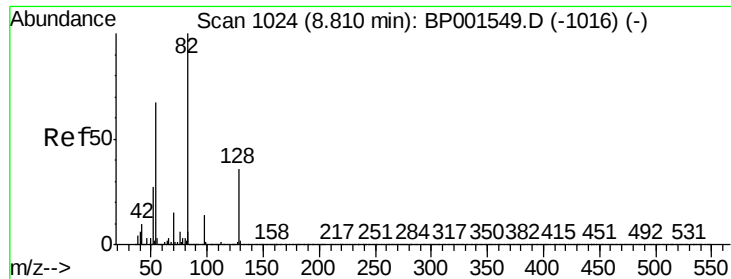
Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Tgt Ion:	136	Resp:	155842
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.6	12.8
54	12.9	9.2	13.8
68	7.0	4.1	6.1#





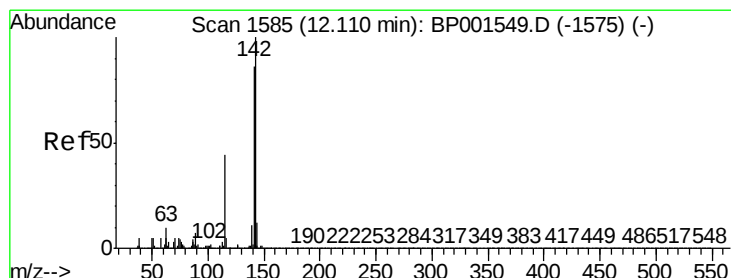
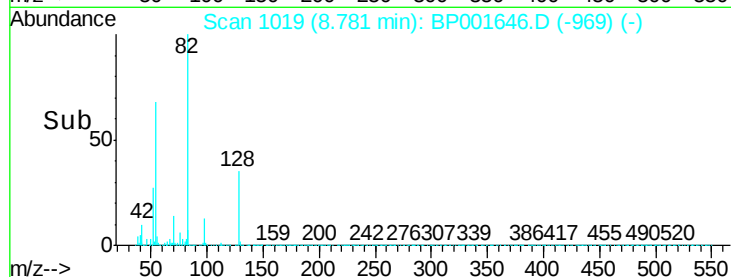
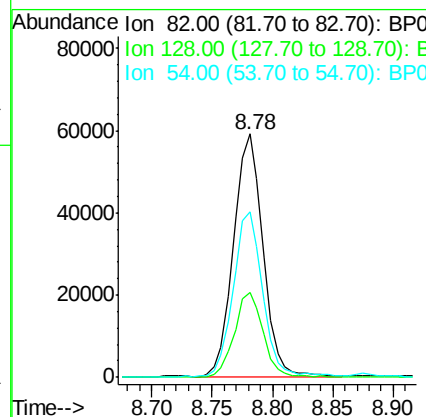
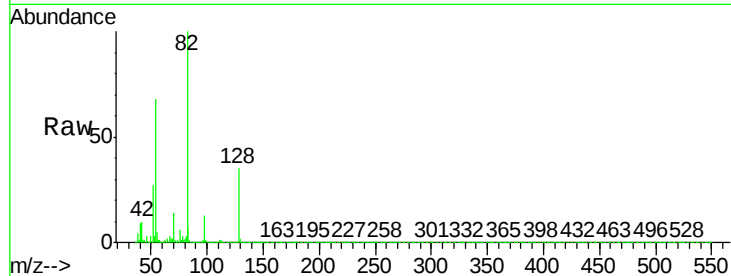
#23
Nitrobenzene-d5
Concen: 28.109 ng
RT: 8.78 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Instrument :
BNA_P
ClientSampleId :
SU-03-011520

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.6	28.4	42.6
54	67.7	53.4	80.2

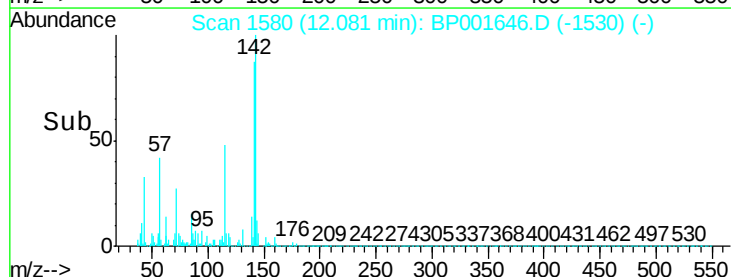
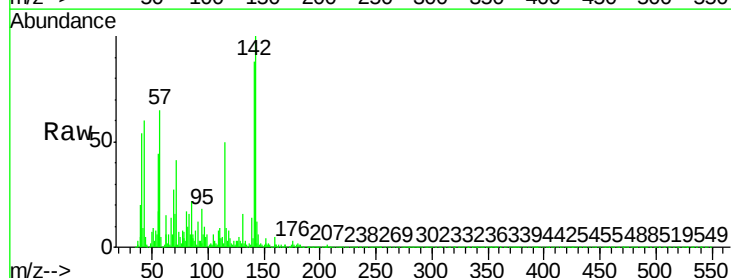
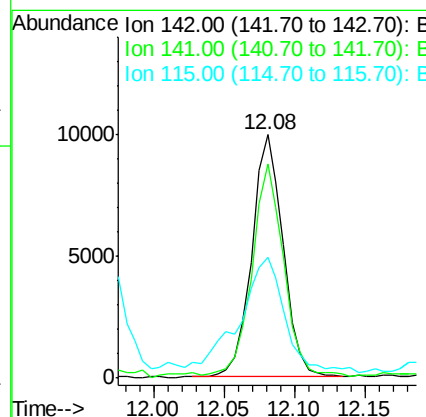
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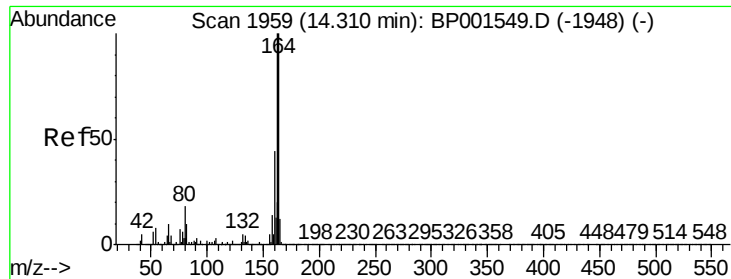
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#37
2-Methylnaphthalene
Concen: 2.366 ng
RT: 12.08 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	68.4	102.6
115	49.8	35.1	52.7





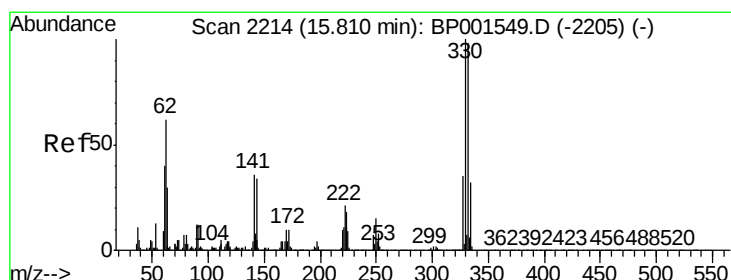
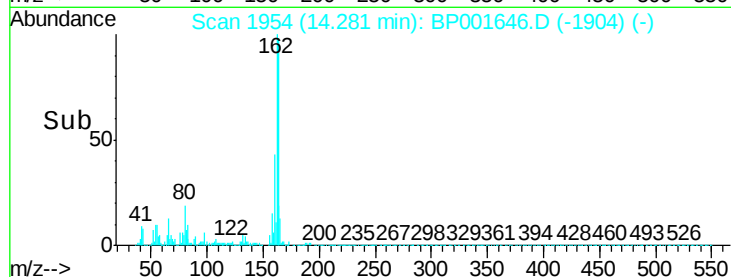
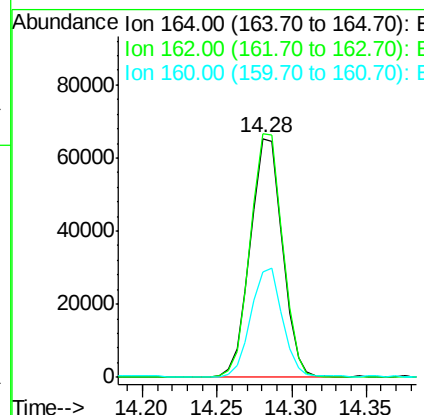
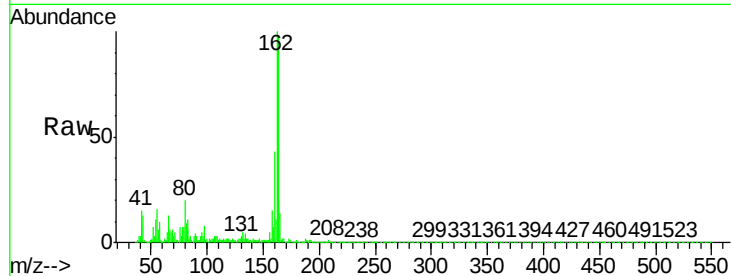
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.28 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Instrument :
BNA_P
ClientSampleId :
SU-03-011520

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	79.8	119.6
160	44.2	35.0	52.6

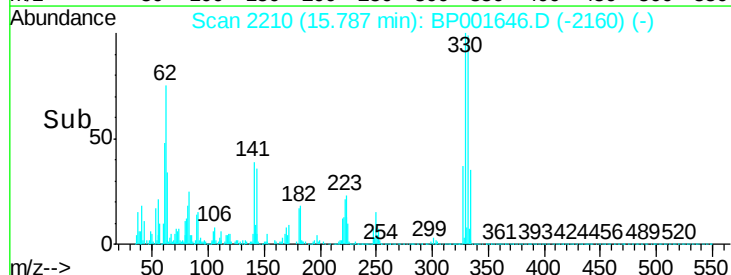
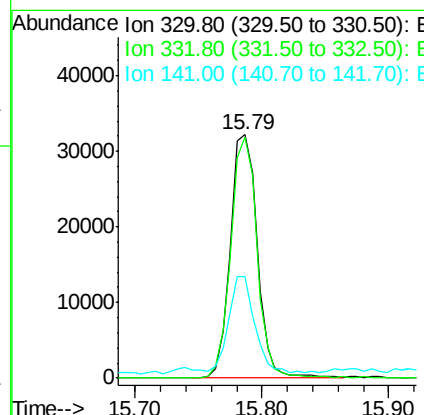
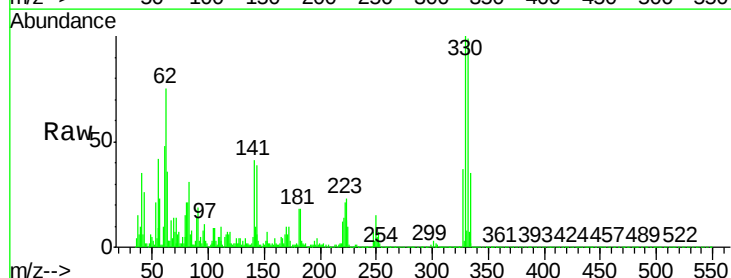
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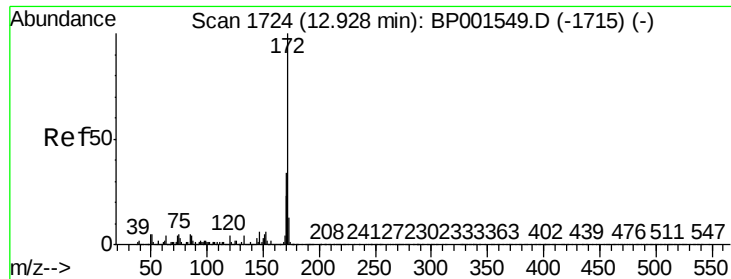
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#42
2,4,6-Tribromophenol
Concen: 32.111 ng
RT: 15.79 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.8	116.6
141	38.5	28.7	43.1





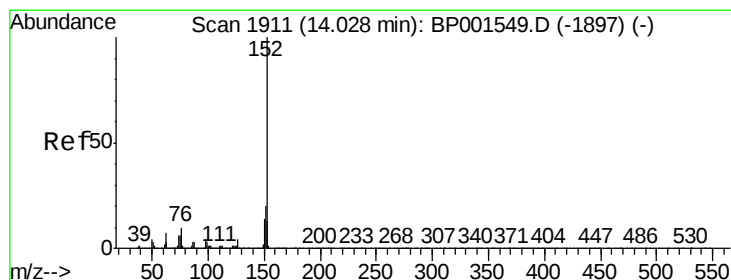
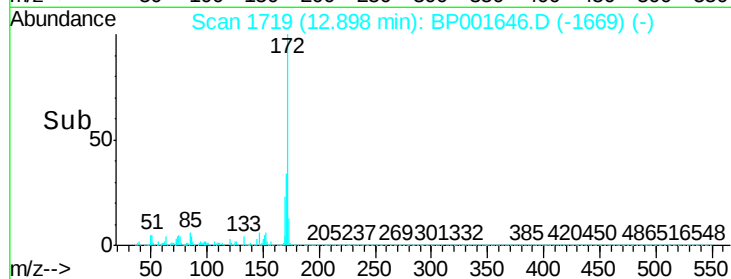
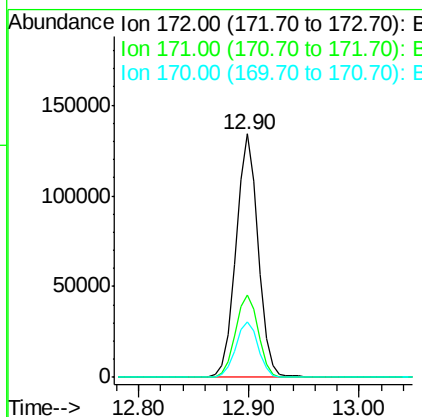
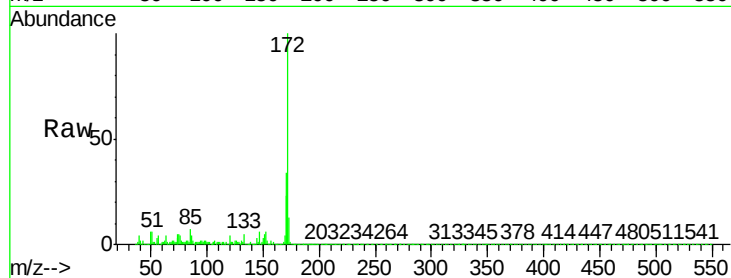
#45
2-Fluorobiphenyl
Concen: 28.728 ng
RT: 12.90 min Scan# 1719
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Instrument :
BNA_P
ClientSampleId :
SU-03-011520

Tot Ion:	172	Resp:	189056
Ion Ratio	Lower	Upper	
172	100		
171	34.0	27.6	41.4
170	22.8	18.3	27.5

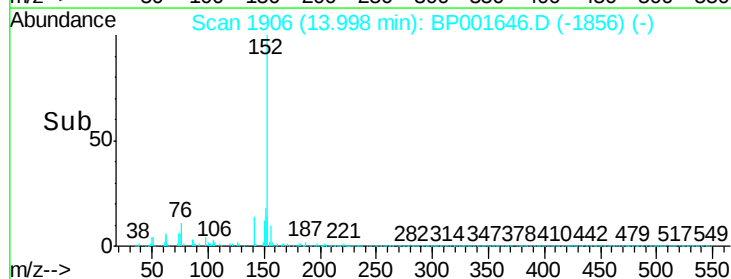
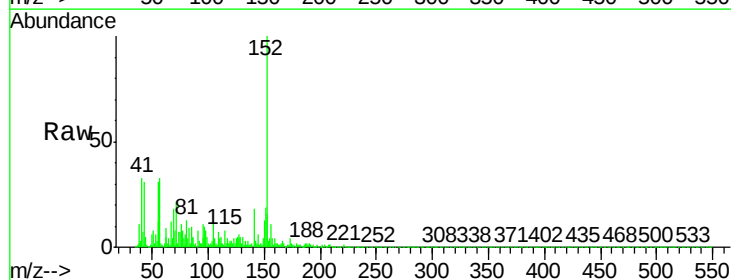
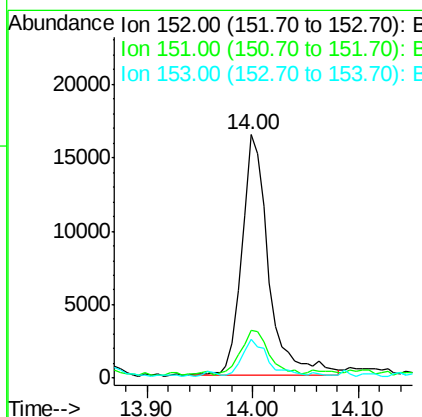
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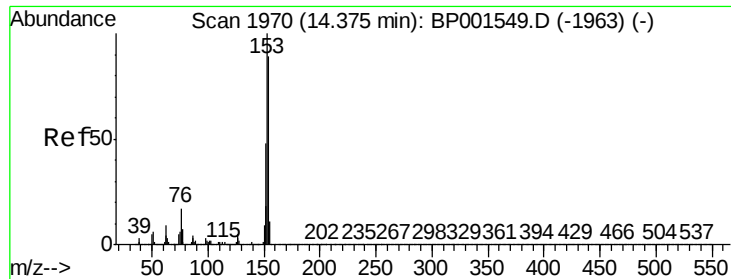
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#49
Acenaphthylene
Concen: 3.188 ng
RT: 14.00 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Tgt Ion:	152	Resp:	28329
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.9	23.9
153	15.7	10.4	15.6#





#52

Acenaphthene

Concen: 2.191 ng

RT: 14.35 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Instrument :

BNA_P

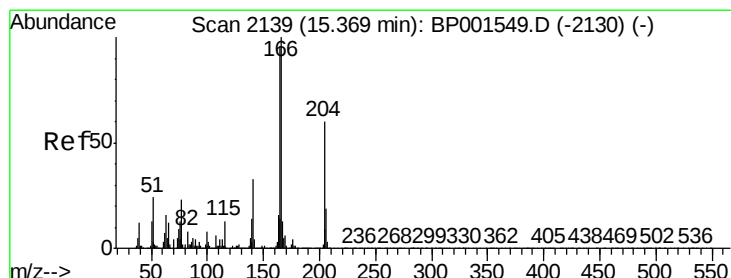
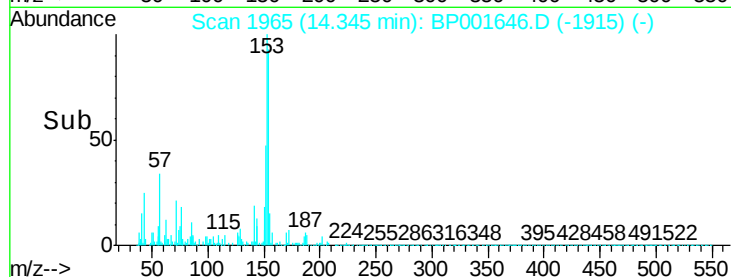
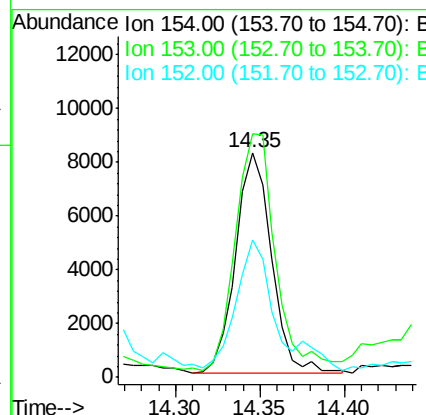
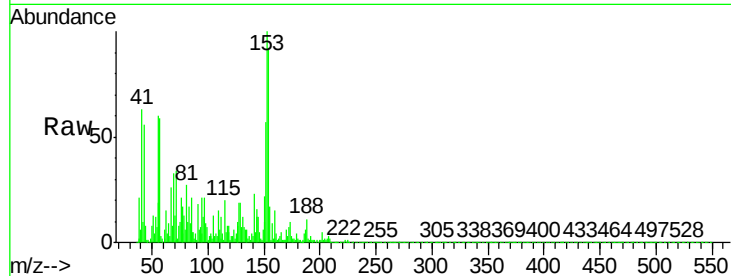
ClientSampleId :

SU-03-011520

Tot Ion:	154	Resp:	12061
Ion Ratio	Lower	Upper	
154	100		
153	108.2	89.4	134.2
152	61.3	42.6	64.0

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#58

Fluorene

Concen: 4.511 ng m

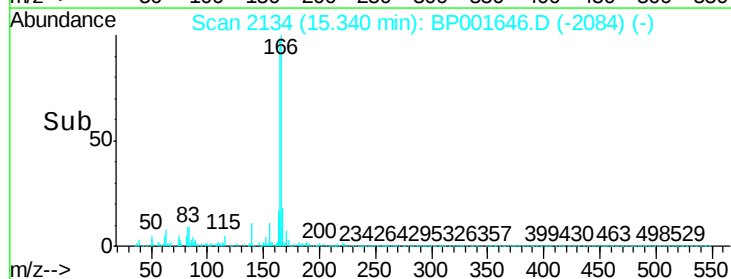
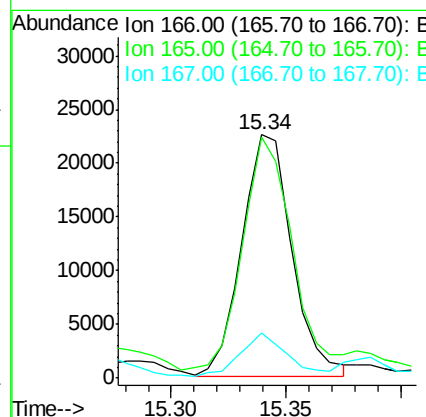
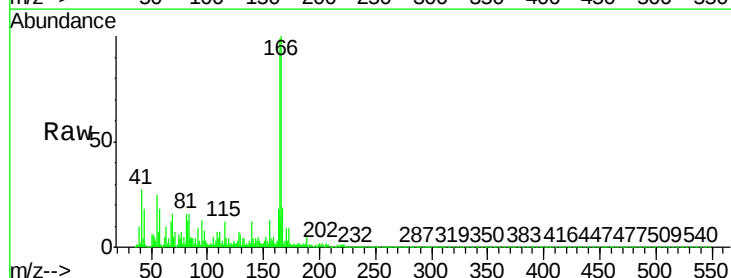
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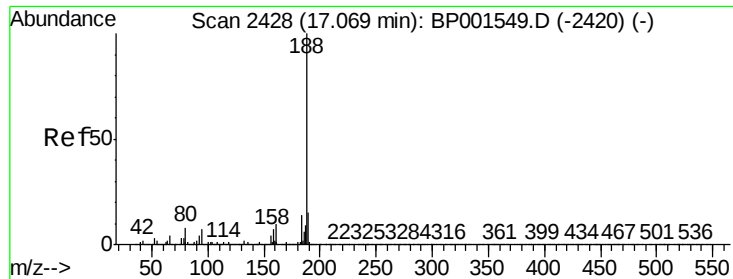
Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Tgt Ion:	166	Resp:	33976
Ion Ratio	Lower	Upper	
166	100		
165	98.9	76.9	115.3
167	18.8	10.3	15.5#





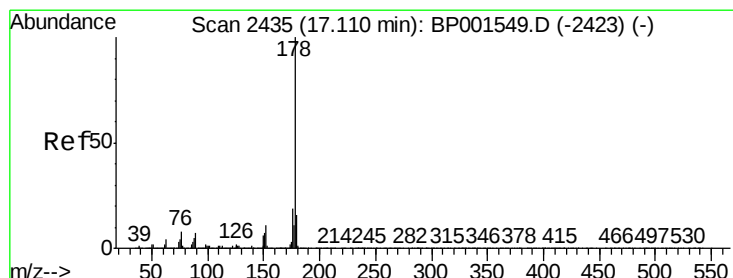
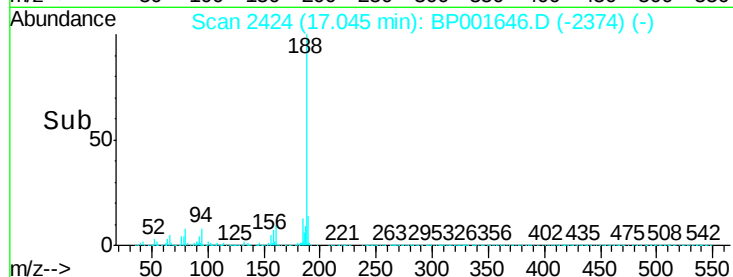
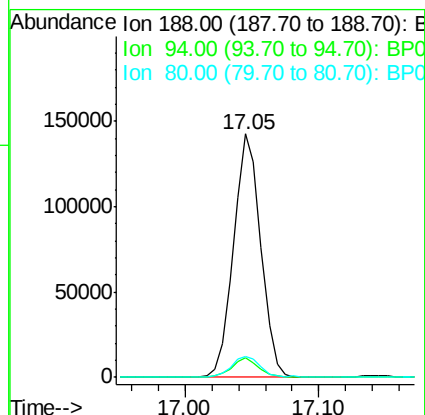
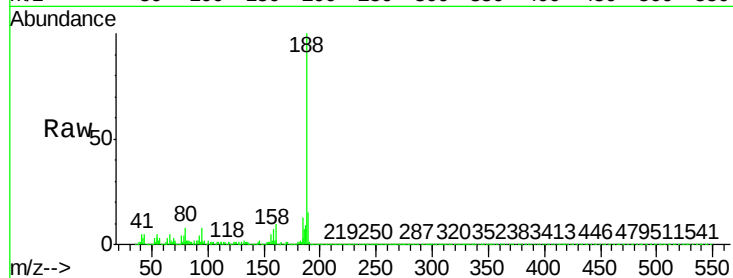
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Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2424
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Instrument :
BNA_P
ClientSampleId :
SU-03-011520

Tot Ion:	188	Resp:	202098
Ion Ratio	Lower	Upper	
188	100		
94	8.0	5.9	8.9
80	8.4	6.8	10.2

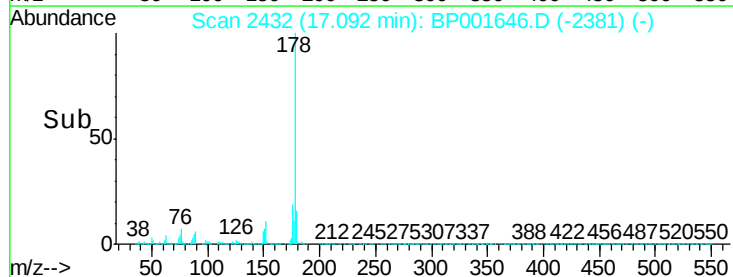
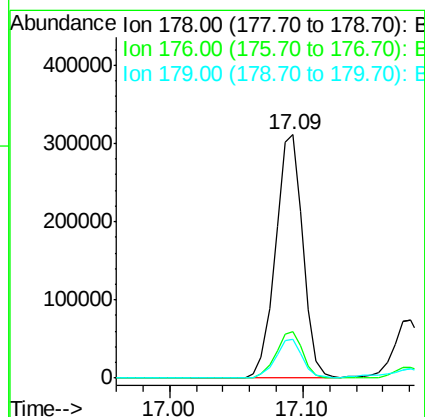
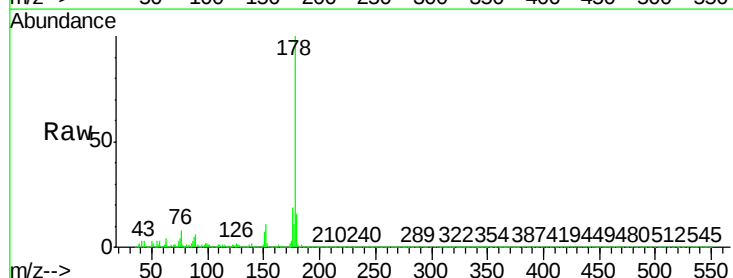
Manual Integrations
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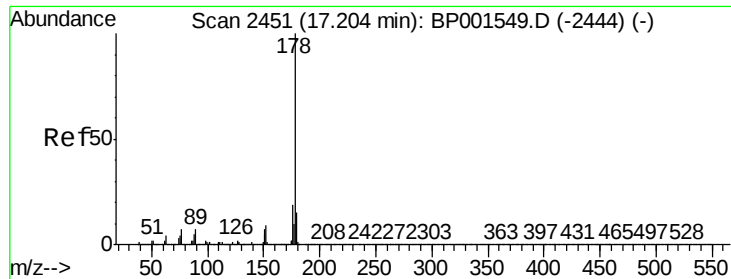
mohammad
1/17/2020 2:08:54 PM



#71
Phenanthrene
Concen: 40.466 ng
RT: 17.09 min Scan# 2432
Delta R.T. 0.00 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Tgt Ion:	178	Resp:	444754
Ion Ratio	Lower	Upper	
178	100		
176	19.1	14.9	22.3
179	15.9	12.5	18.7





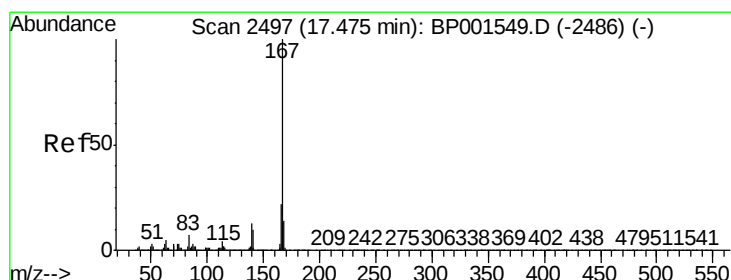
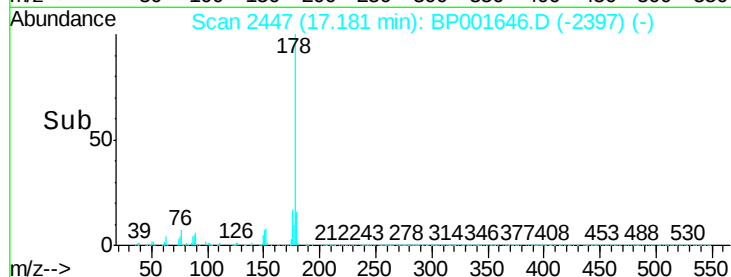
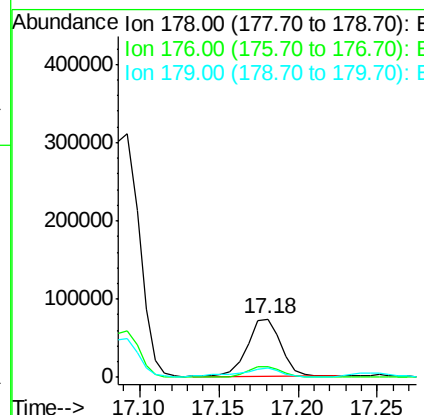
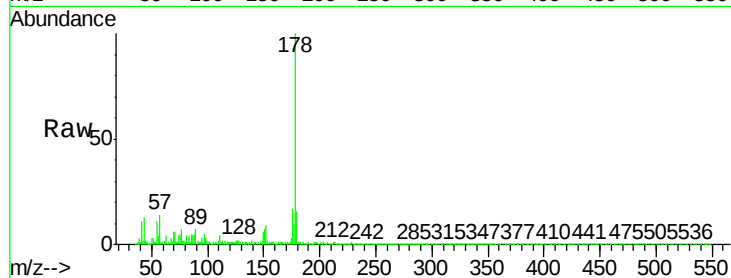
#72
 Anthracene
 Concen: 10.024 ng
 RT: 17.18 min Scan# 2447
 Delta R.T. -0.01 min
 Lab File: BP001646.D
 Acq: 17 Jan 2020 01:26

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-011520

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.0	22.6
179	16.3	11.8	17.8

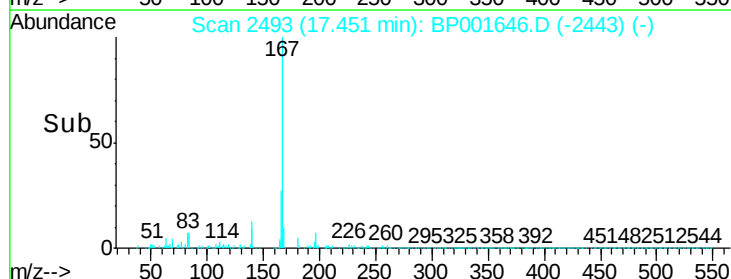
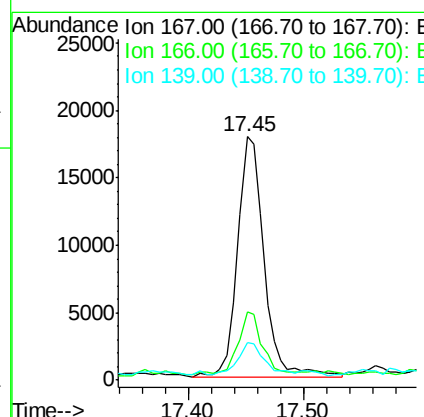
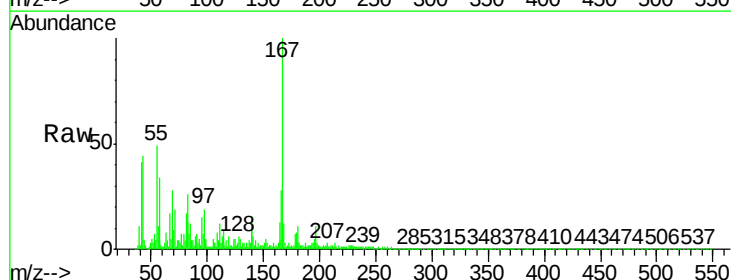
Manual Integrations
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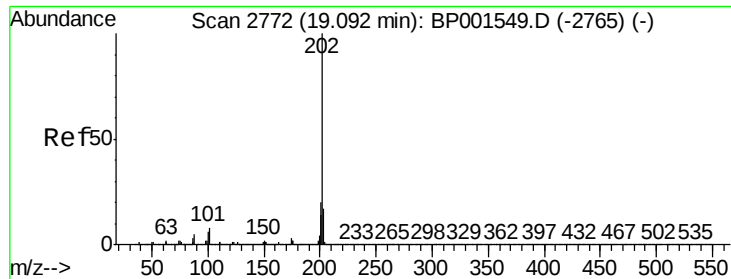
mohammad
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#73
 Carbazole
 Concen: 2.807 ng
 RT: 17.45 min Scan# 2493
 Delta R.T. -0.01 min
 Lab File: BP001646.D
 Acq: 17 Jan 2020 01:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	28.2	17.2	25.8#
139	15.6	10.0	15.0#





#75

Fluoranthene

Concen: 32.400 ng

RT: 19.07 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Instrument :

BNA_P

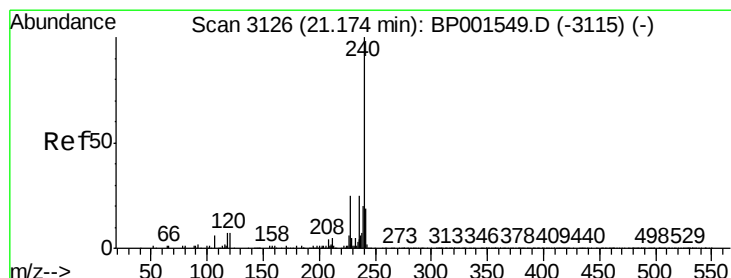
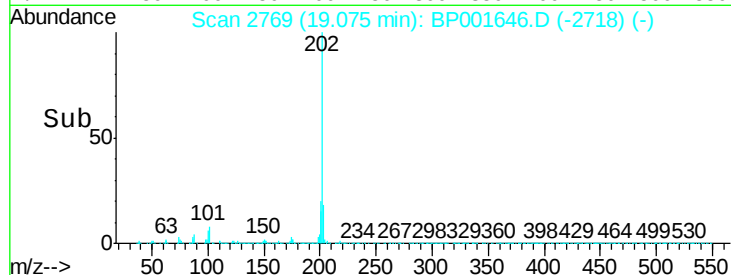
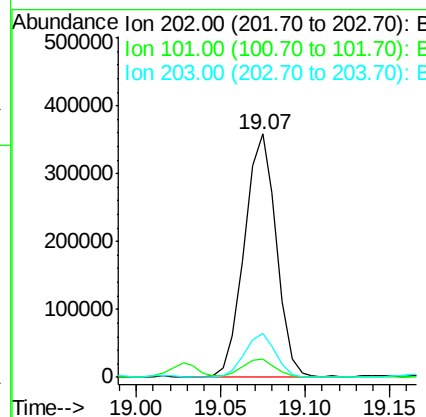
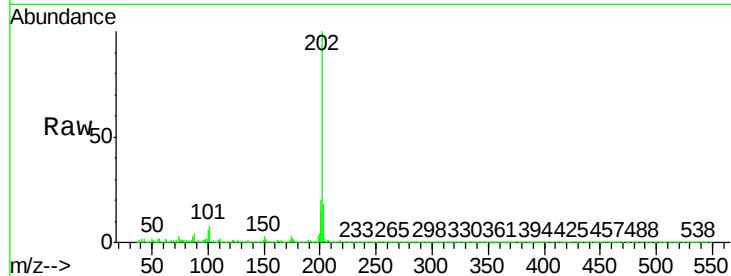
ClientSampleId :

SU-03-011520

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		468569		
101	7.6	0.0	28.4		
203	17.9	0.0	37.4		

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#76

Chrysene-d12

Concen: 20.000 ng

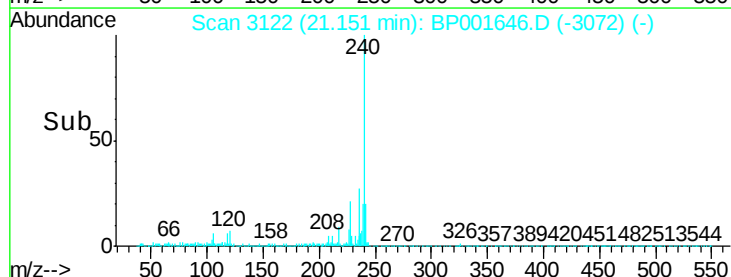
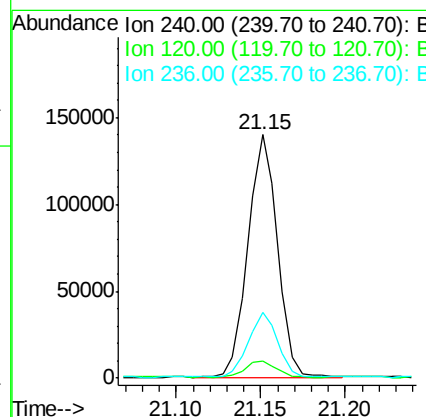
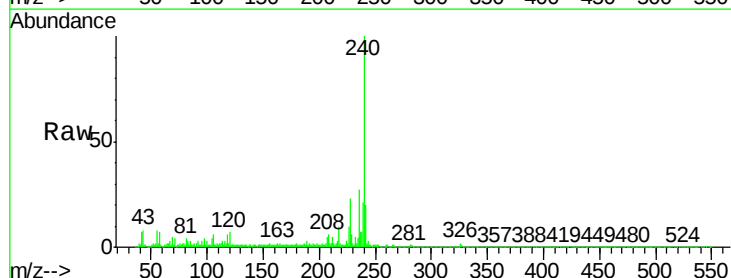
RT: 21.15 min Scan# 3122

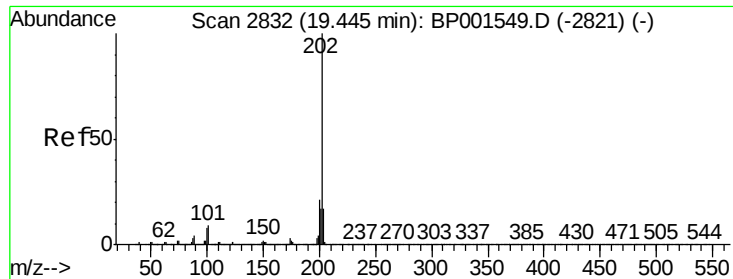
Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		169615		
120	7.2	5.7	8.5		
236	27.2	20.4	30.6		





#78

Pvrene

Concen: 34.354 ng

RT: 19.43 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Instrument :

BNA_P

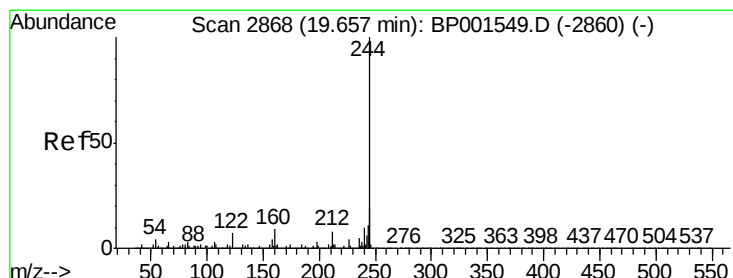
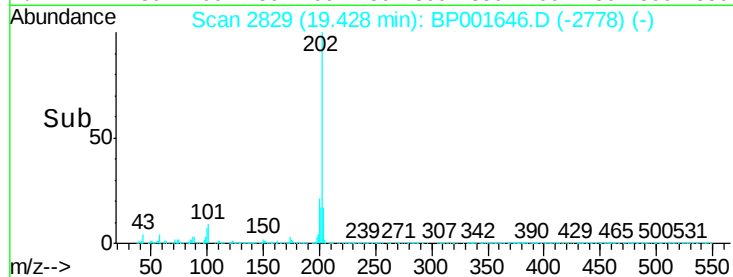
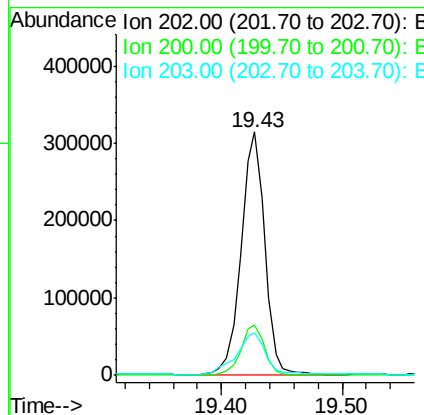
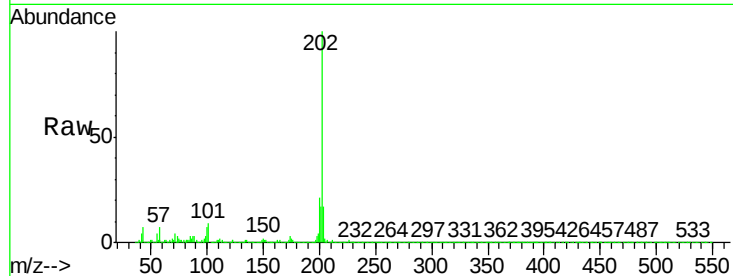
ClientSampleId :

SU-03-011520

Tot Ion:	202	Resp:	428044
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.0	25.6
203	17.5	13.7	20.5

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#79

Terphenyl-d14

Concen: 26.846 ng

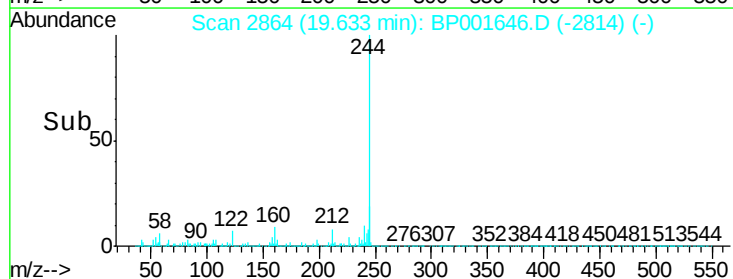
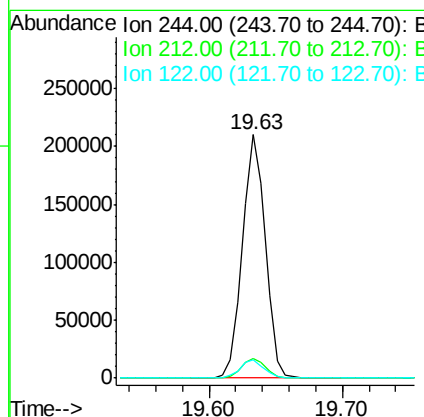
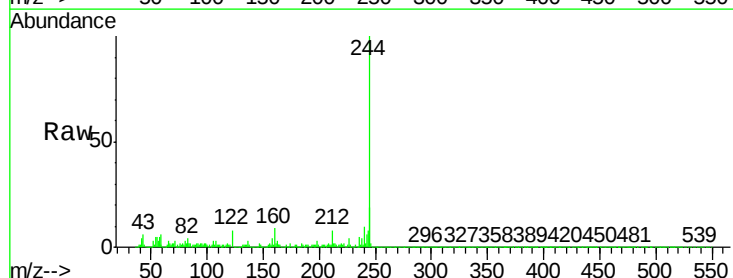
RT: 19.63 min Scan# 2864

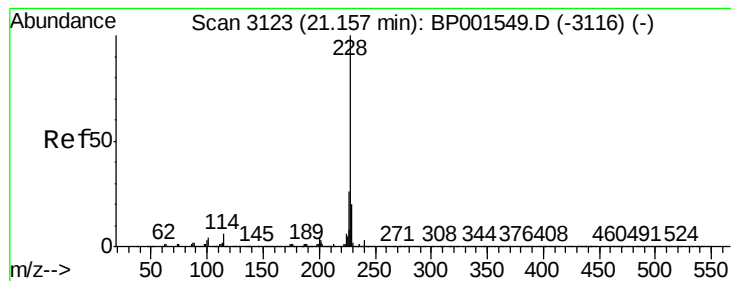
Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Tgt Ion:	244	Resp:	248952
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.3	9.5
122	7.7	5.8	8.6





#81

Benzo(a)anthracene

Concen: 16.368 ng

RT: 21.13 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Instrument :

BNA_P

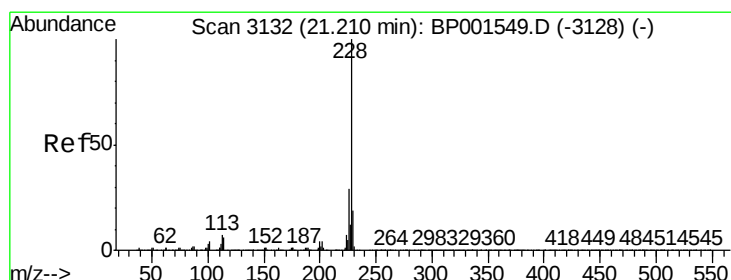
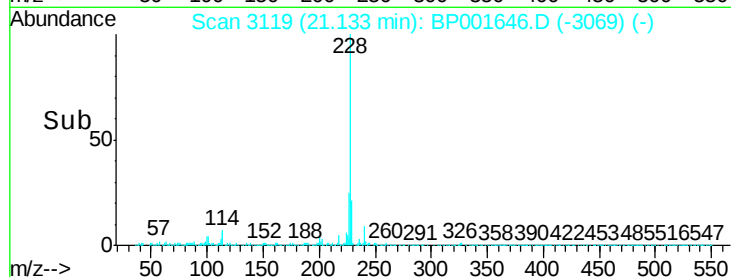
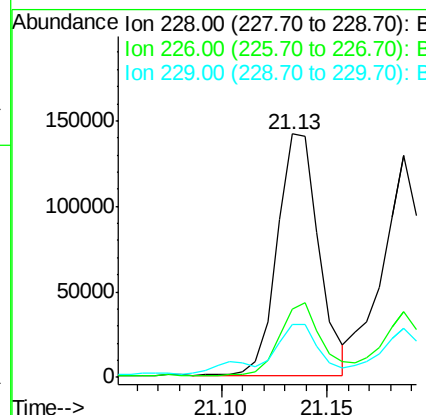
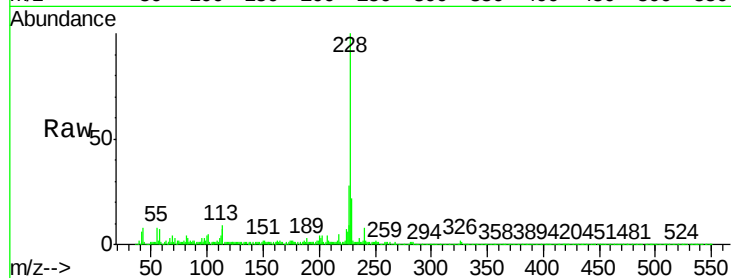
ClientSampleId :

SU-03-011520

Tot Ion:	228	Resp:	193352
Ion Ratio	Lower	Upper	
228	100		
226	28.3	21.2	31.8
229	21.7	16.1	24.1

Manual Integrations
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#83

Chrysene

Concen: 14.656 ng

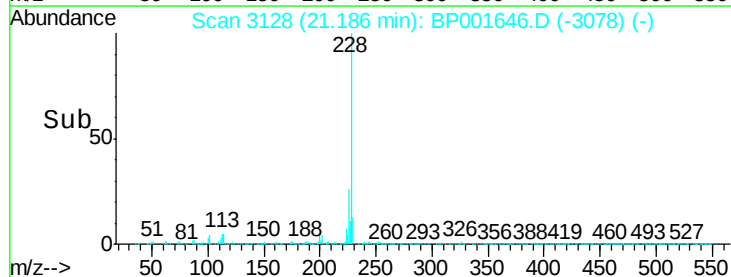
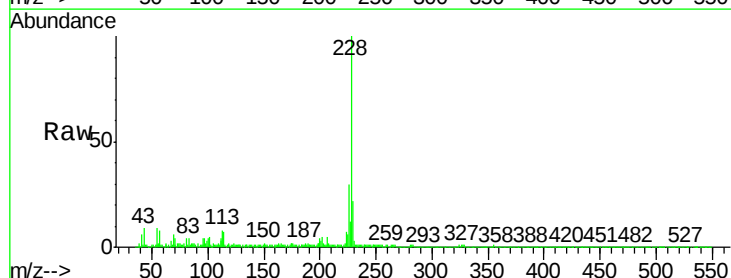
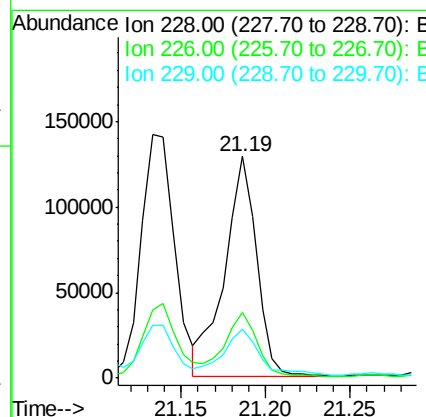
RT: 21.19 min Scan# 3128

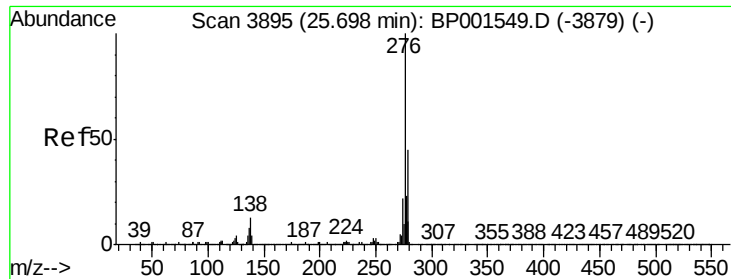
Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Tgt Ion:	228	Resp:	168724
Ion Ratio	Lower	Upper	
228	100		
226	29.8	23.2	34.8
229	22.2	15.2	22.8





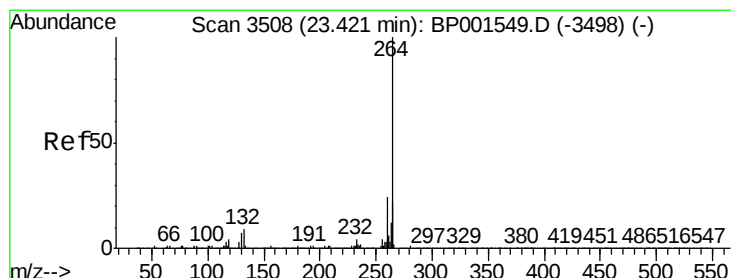
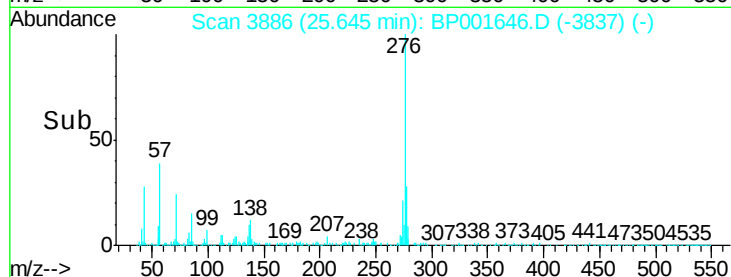
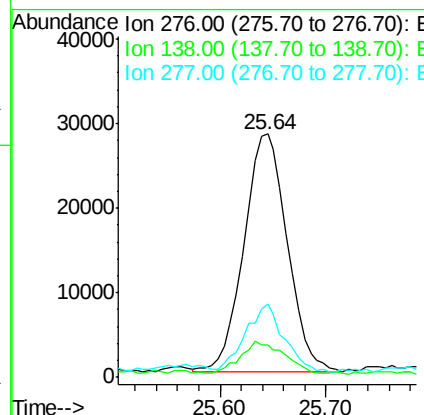
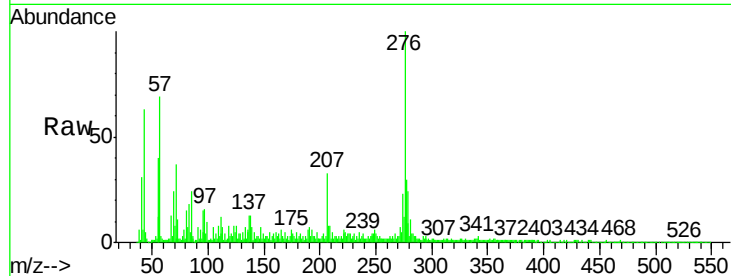
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.910 ng
RT: 25.64 min Scan# 3886
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Instrument :
BNA_P
ClientSampleId :
SU-03-011520

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.5	11.1	16.7
277	25.8	20.4	30.6

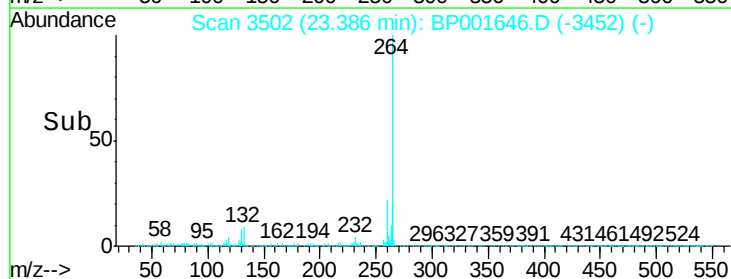
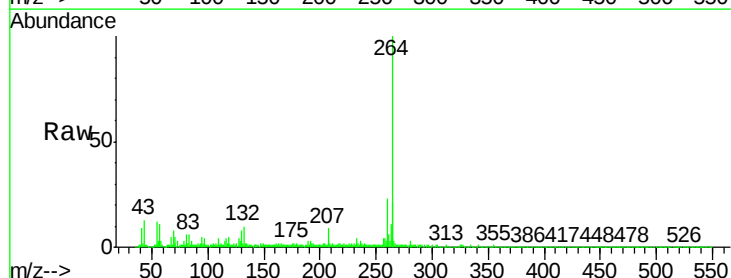
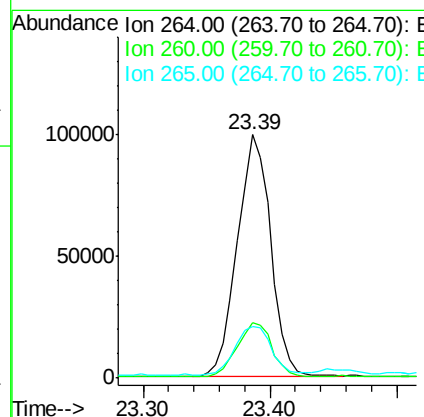
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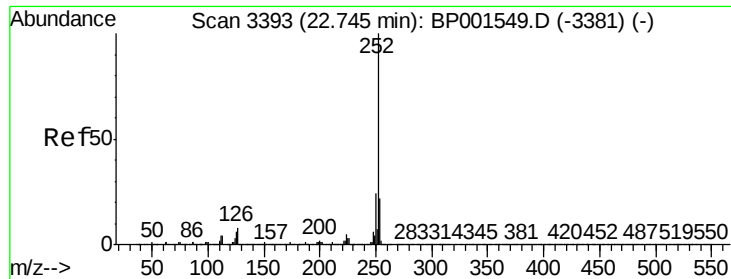
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.39 min Scan# 3502
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.6
265	21.4	18.2	27.4





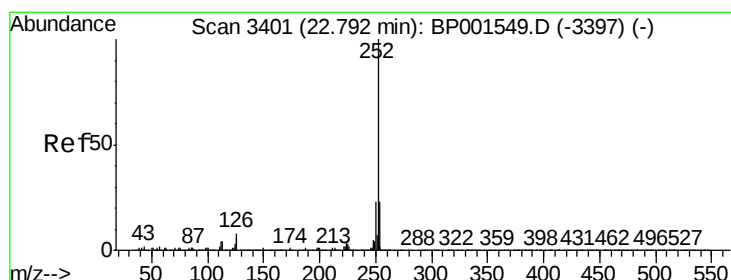
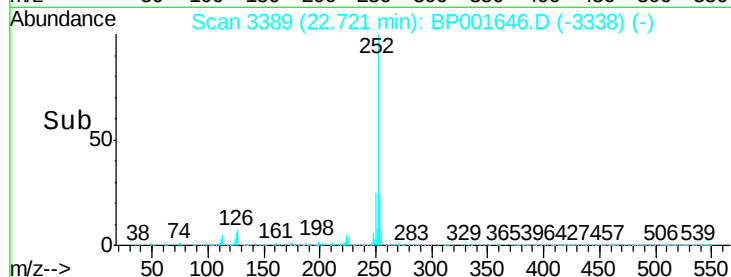
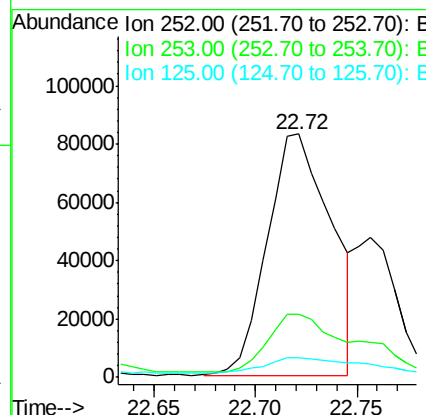
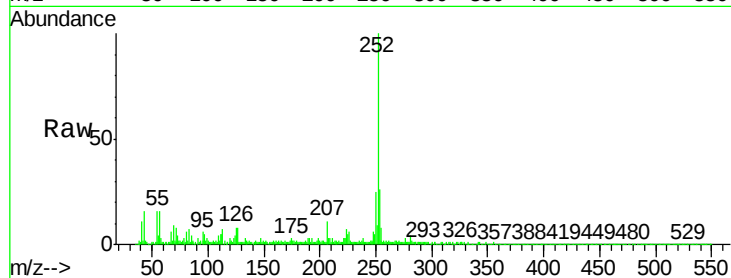
#88
Benzo(b)fluoranthene
Concen: 15.828 ng m
RT: 22.72 min Scan# 3389
Delta R.T. 0.00 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Instrument :
BNA_P
ClientSampleId :
SU-03-011520

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.6	26.4
125	8.1	4.6	7.0

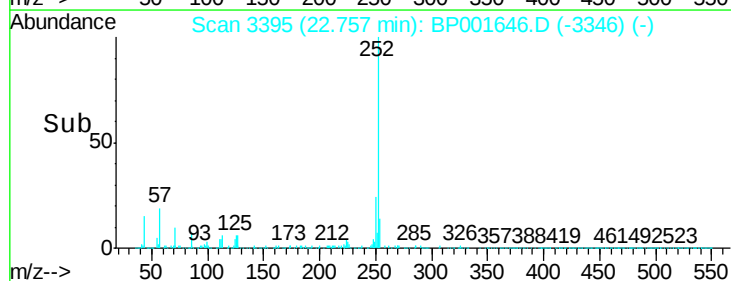
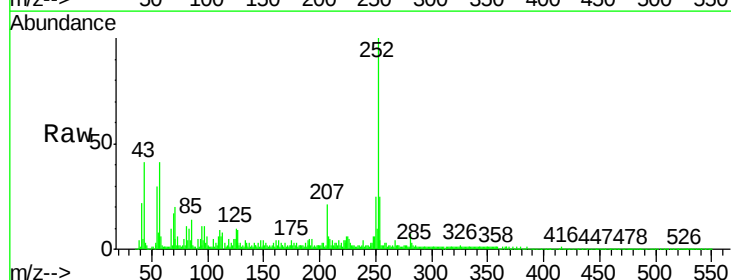
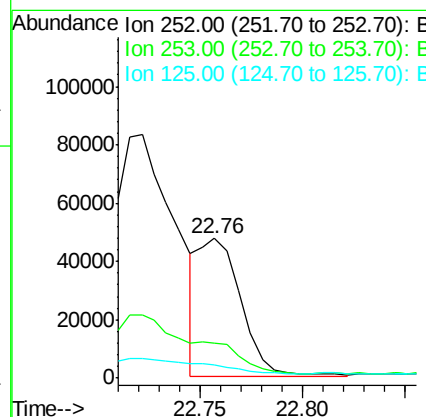
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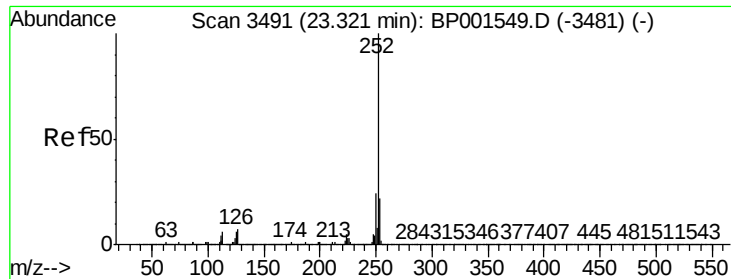
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#89
Benzo(k)fluoranthene
Concen: 6.109 ng m
RT: 22.76 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	9.9	4.6	6.8





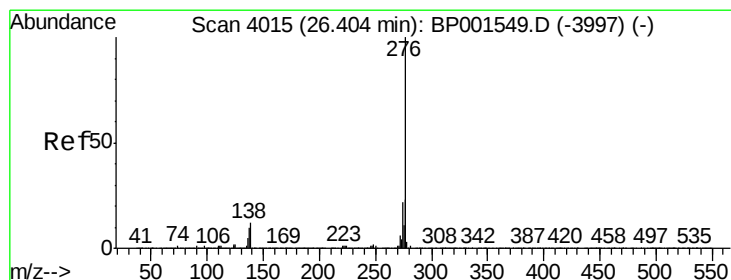
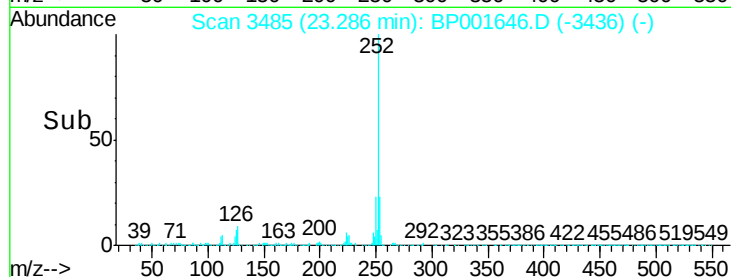
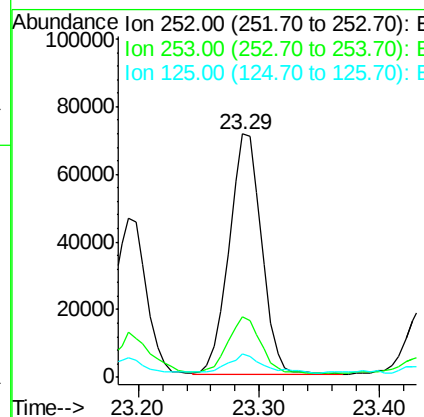
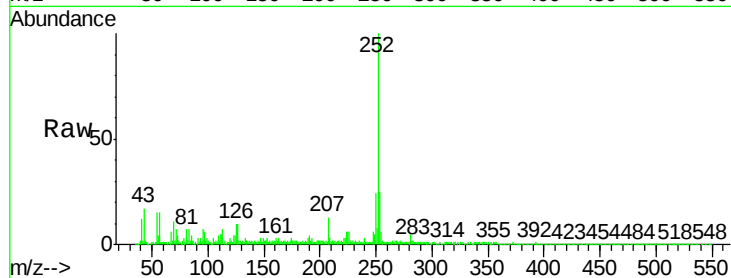
#90
Benzo(a)pyrene
Concen: 12.174 ng
RT: 23.29 min Scan# 3485
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Instrument :
BNA_P
ClientSampleId :
SU-03-011520

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.6	26.4
125	9.5	5.0	7.4

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#92
Benzo(g,h,i)perylene
Concen: 6.748 ng
RT: 26.33 min Scan# 4003
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.6	28.0
138	14.1	9.4	14.2

