

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
 Data File : BP001666.D
 Acq On : 17 Jan 2020 20:08
 Operator : JU
 Sample : L1012-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-02-011620

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Quant Time: Jan 18 04:21:24 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	60119	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	203275	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	108547	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	199405	20.00	ng	0.00
76) Chrysene-d12	21.15	240	188983	20.00	ng	0.00
87) Perylene-d12	23.39	264	201004	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	176714	57.58	ng	0.00
7) Phenol-d6	6.83	99	259022	52.81	ng	0.00
23) Nitrobenzene-d5	8.78	82	177987	38.26	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	57744	34.95	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	291317	39.46	ng	0.00
79) Terphenyl-d14	19.63	244	319101	30.88	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.46	128	32923	3.069	ng	97
37) 2-Methylnaphthalene	12.08	142	19899	2.327	ng	95
38) 1-Methylnaphthalene	12.30	142	20479	2.489	ng	99
49) Acenaphthylene	14.00	152	74770	7.499	ng	98
52) Acenaphthene	14.35	154	23346	3.781	ng	98
55) Dibenzofuran	14.69	168	34904m	3.343	ng	
58) Fluorene	15.34	166	59402	7.030	ng	97
71) Phenanthrene	17.09	178	386862	35.674	ng	99
72) Anthracene	17.17	178	145675	13.799	ng	99
73) Carbazole	17.45	167	24037	2.425	ng	98
75) Fluoranthene	19.07	202	559580	39.216	ng	100
78) Pyrene	19.42	202	561743	40.465	ng	99
81) Benzo(a)anthracene	21.13	228	287305	21.829	ng	96
83) Chrysene	21.19	228	259961	20.268	ng	96
86) Indeno(1,2,3-cd)pyrene	25.64	276	149588	9.963	ng	99
88) Benzo(b)fluoranthene	22.72	252	310261m	24.495	ng	
89) Benzo(k)fluoranthene	22.76	252	116867m	9.463	ng	
90) Benzo(a)pyrene	23.29	252	246372	20.486	ng	# 97
91) Dibenzo(a,h)anthracene	25.64	278	40694	3.280	ng	# 89
92) Benzo(a,h,i)perylene	26.34	276	147305	11.942	ng	# 96

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

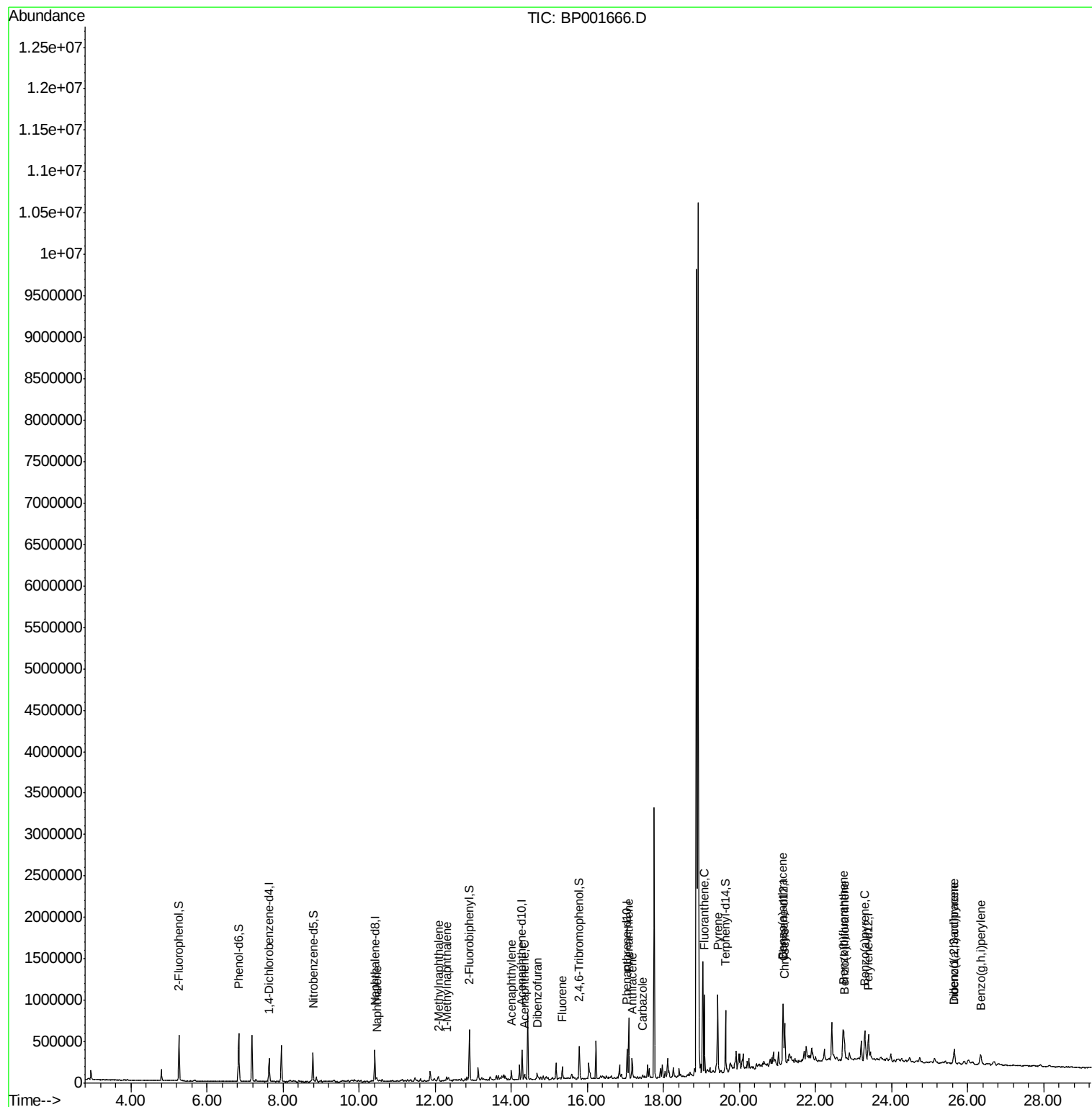
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
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ALS Vial : 17 Sample Multiplier: 1

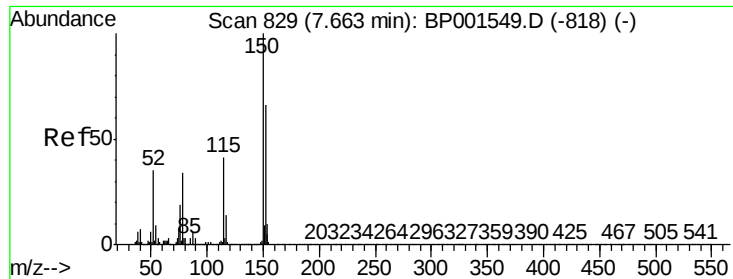
Instrument :
BNA_P
ClientSampleId :
EO-02-011620

Quant Time: Jan 18 04:21:24 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

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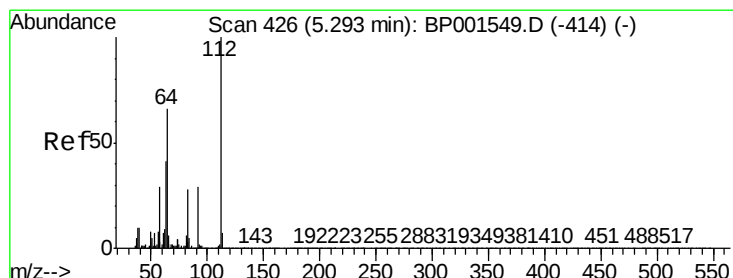
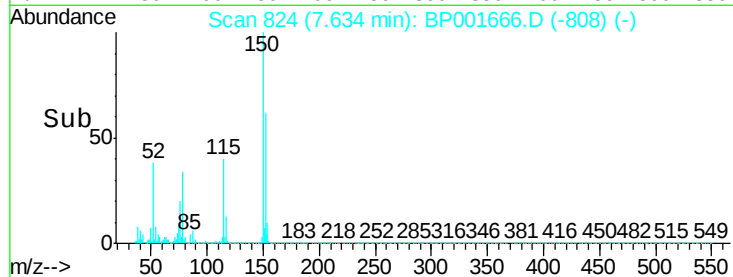
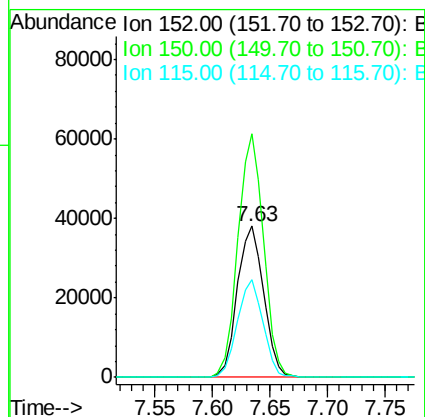
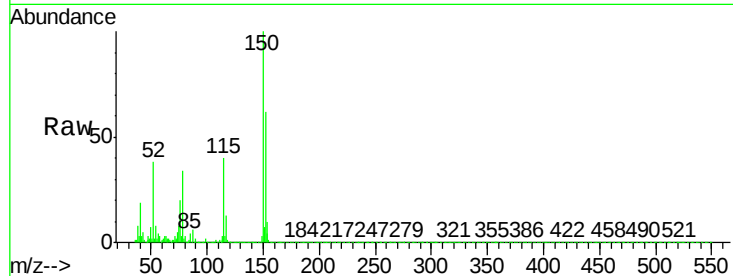
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Instrument :
BNA_P
ClientSampleId :
EO-02-011620

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	122.0	183.0
115	64.8	50.7	76.1

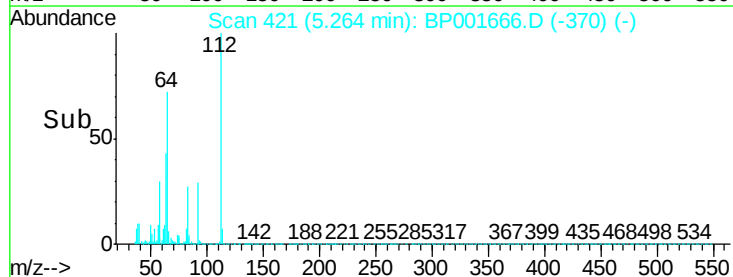
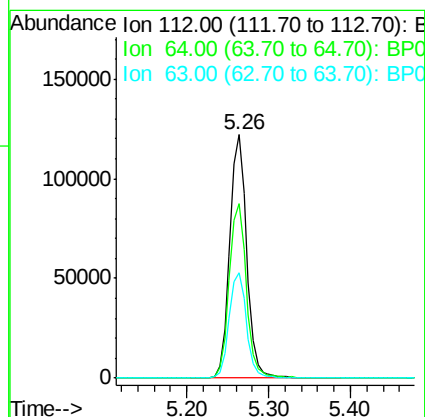
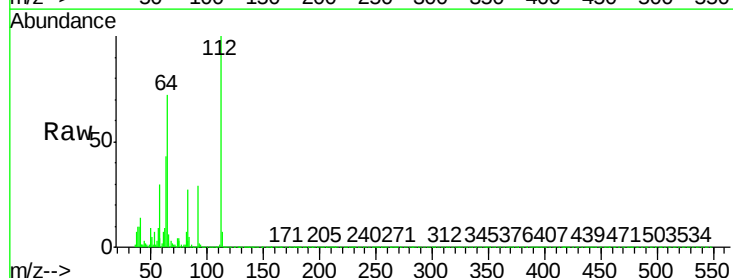
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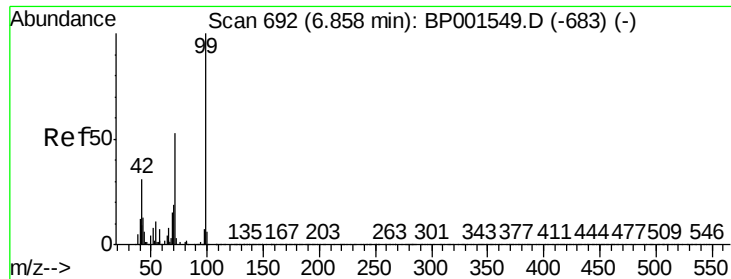
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#5
2-Fluorophenol
Concen: 57.580 ng
RT: 5.26 min Scan# 421
Delta R.T. 0.00 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	52.8	79.2
63	43.3	33.1	49.7





#7

Phenol-d6

Concen: 52.809 ng

RT: 6.83 min Scan# 688

Delta R.T. 0.00 min

Lab File: BP001666.D

Acq: 17 Jan 2020 20:08

Instrument :

BNA_P

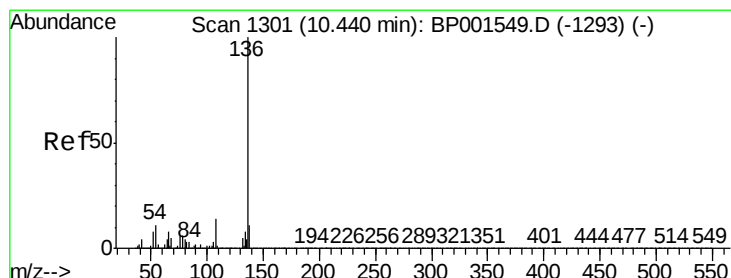
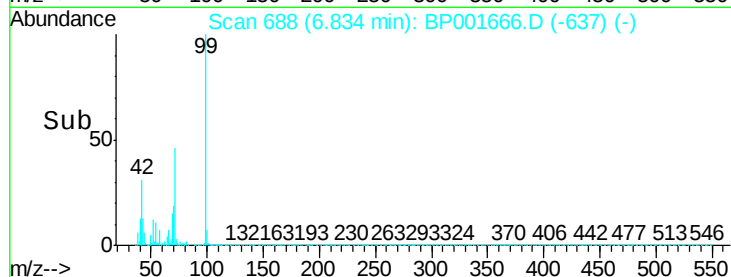
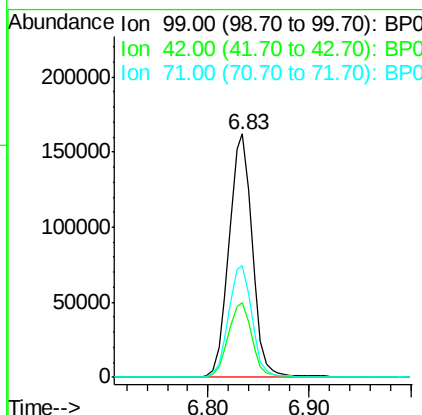
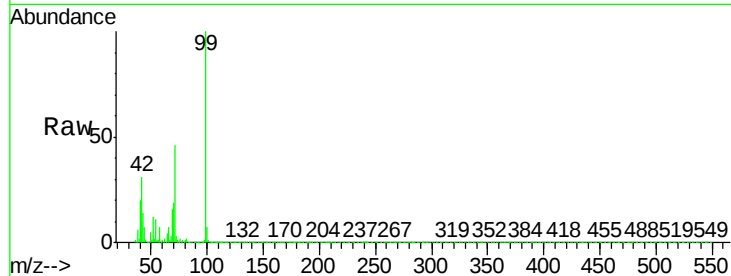
ClientSampleId :

EO-02-011620

Tot Ion:	99	Resp:	259022
Ion Ratio	Lower	Upper	
99	100		
42	30.6	24.5	36.7
71	46.1	42.4	63.6

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#21

Naphthalene-d8

Concen: 20.000 ng

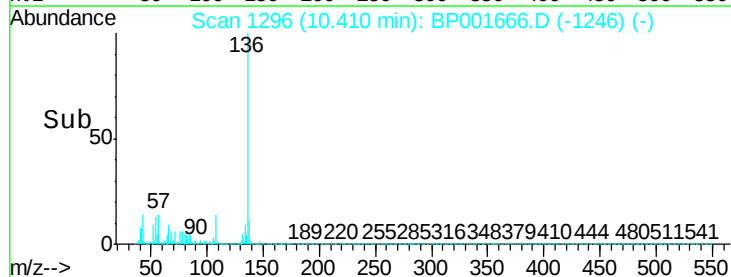
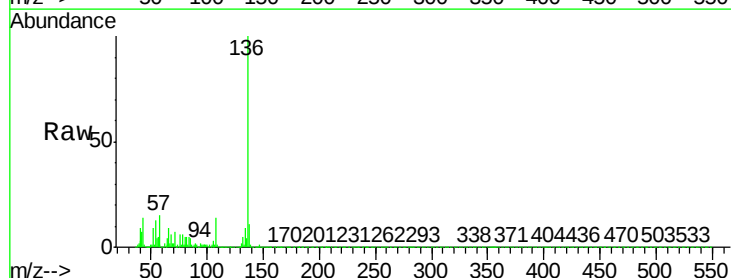
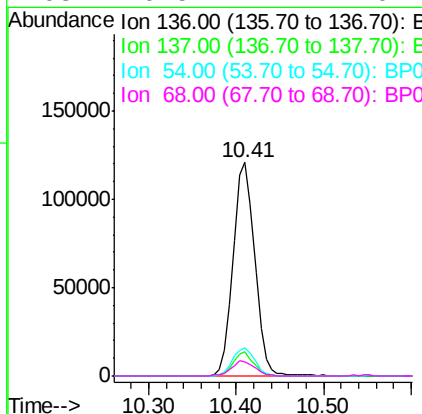
RT: 10.41 min Scan# 1296

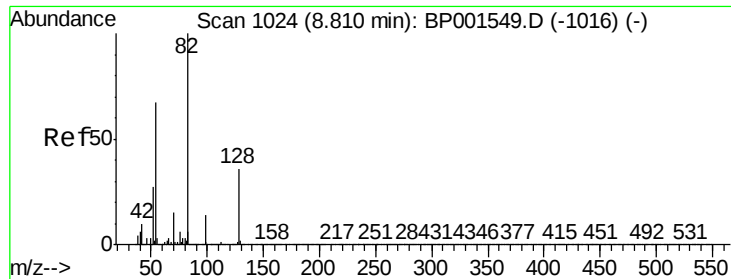
Delta R.T. -0.01 min

Lab File: BP001666.D

Acq: 17 Jan 2020 20:08

Tgt Ion:	136	Resp:	203275
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	12.8
54	13.2	9.2	13.8
68	6.5	4.1	6.1#





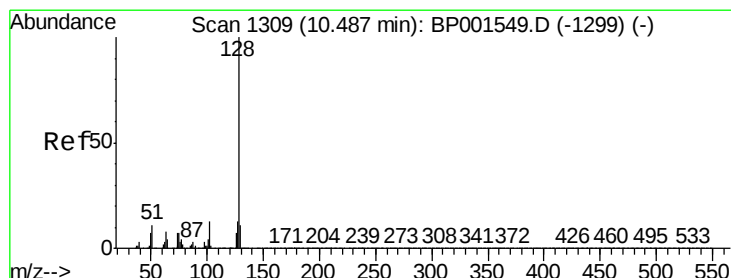
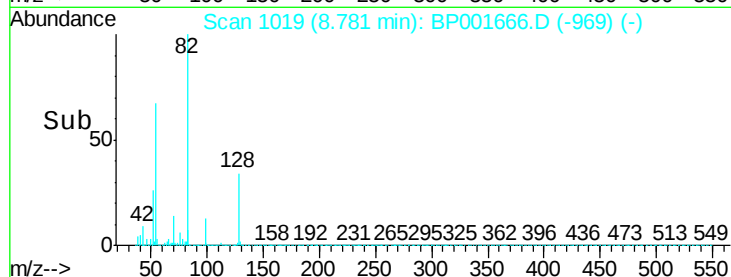
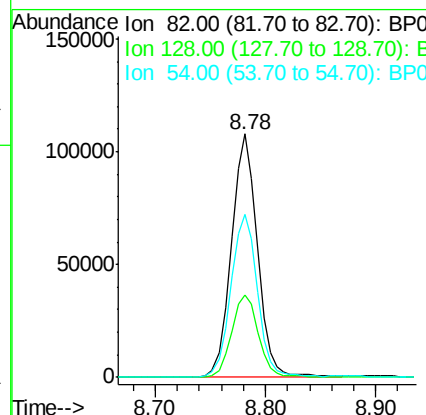
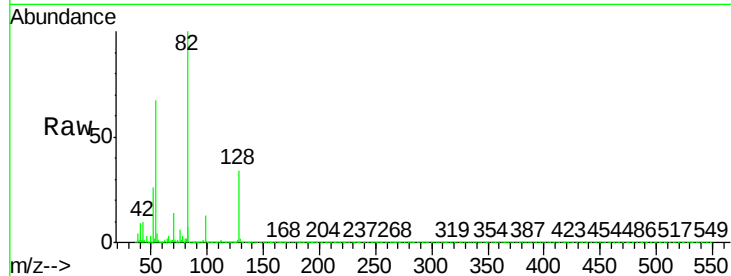
#23
 Nitrobenzene-d5
 Concen: 38.261 ng
 RT: 8.78 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BP001666.D
 Acq: 17 Jan 2020 20:08

Instrument :
 BNA_P
 ClientSampled :
 EO-02-011620

Tot Ion	Ion	Ratio	Resp	Lower	Upper
82	100		177987		
128	33.7	28.4	42.6		
54	66.9	53.4	80.2		

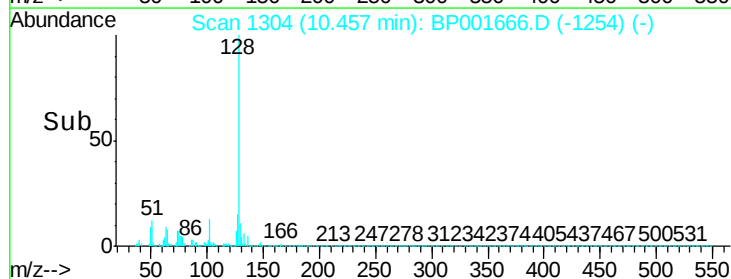
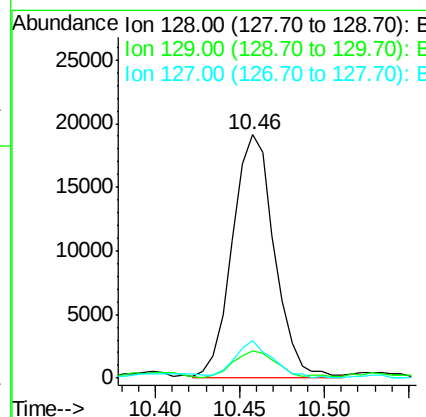
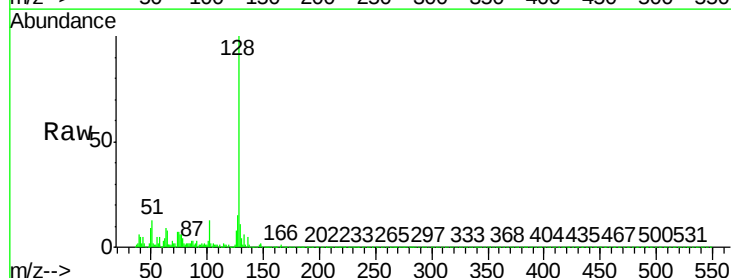
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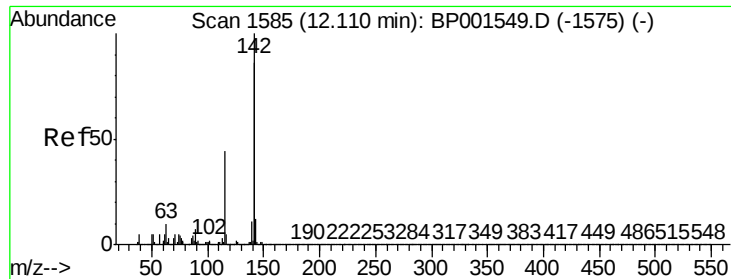
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#31
 Naphthalene
 Concen: 3.069 ng
 RT: 10.46 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BP001666.D
 Acq: 17 Jan 2020 20:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		32923		
129	11.1	8.9	13.3		
127	15.3	10.6	16.0		





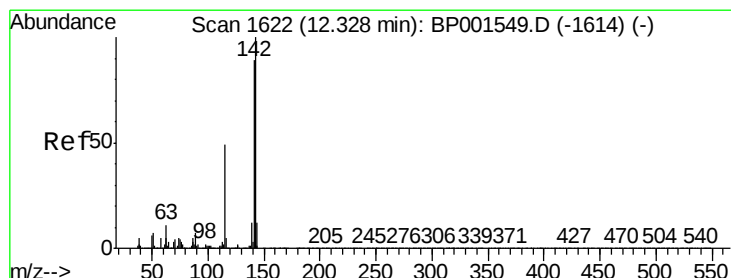
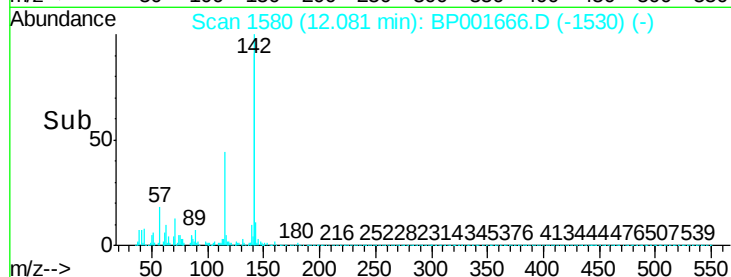
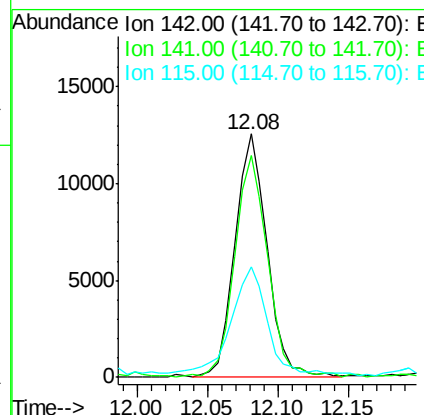
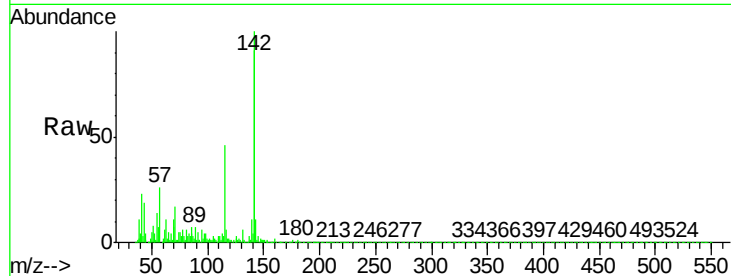
#37
2-Methylnaphthalene
Concen: 2.327 ng
RT: 12.08 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Instrument :
BNA_P
ClientSampleId :
EO-02-011620

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.3	68.4	102.6
115	45.5	35.1	52.7

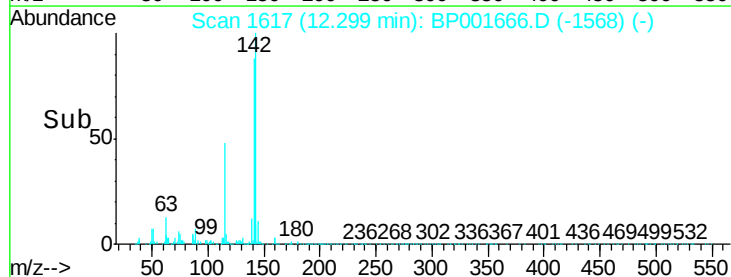
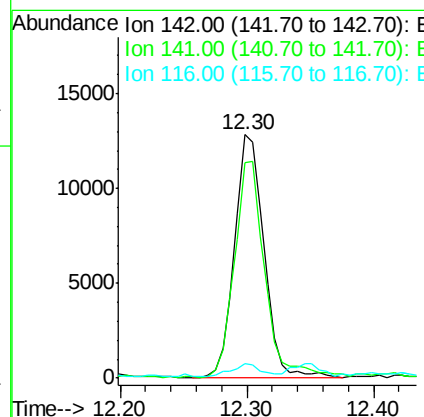
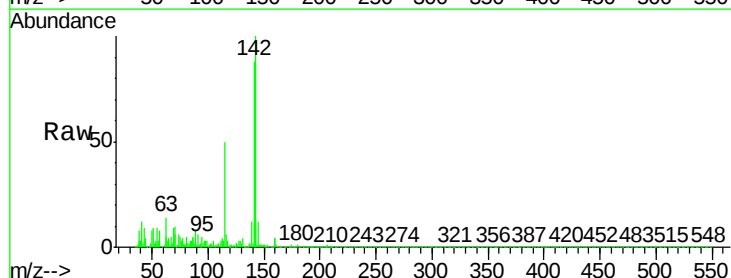
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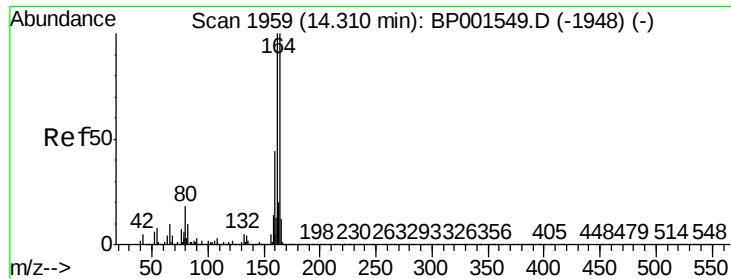
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#38
1-Methylnaphthalene
Concen: 2.489 ng
RT: 12.30 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.9	106.3
116	6.0	4.1	6.1





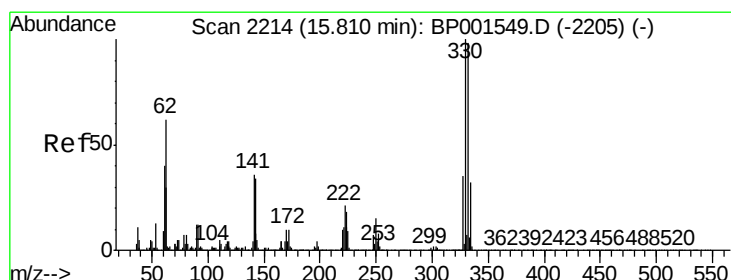
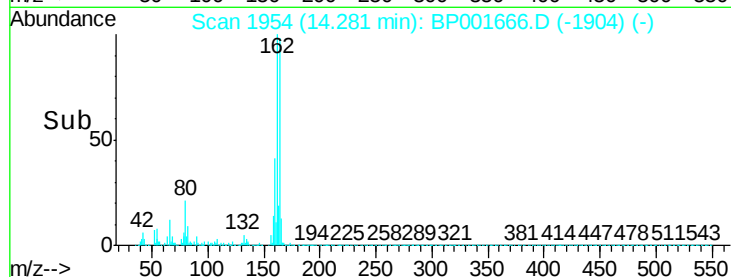
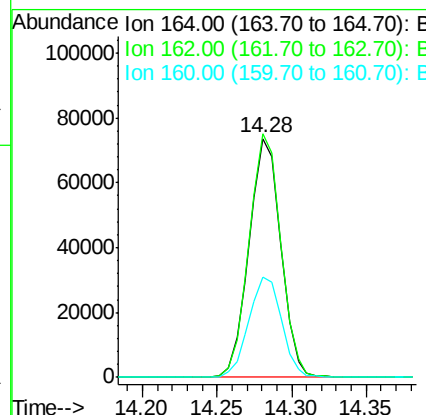
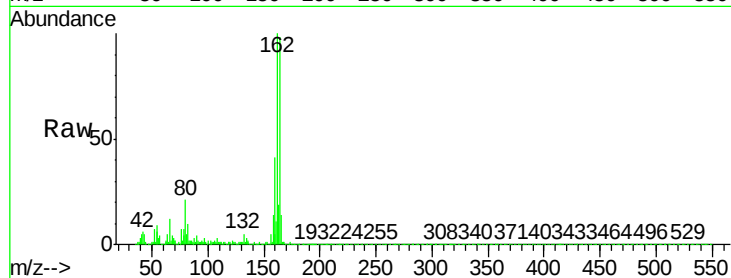
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.28 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Instrument :
BNA_P
ClientSampleId :
EO-02-011620

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	79.8	119.6
160	42.2	35.0	52.6

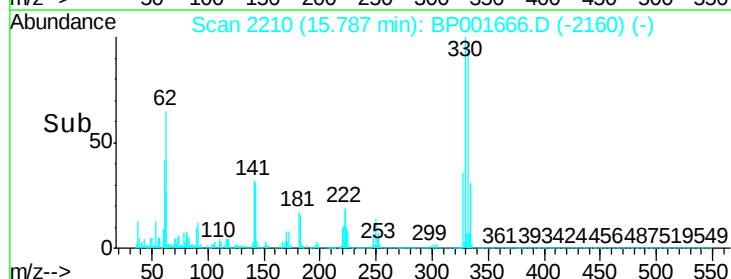
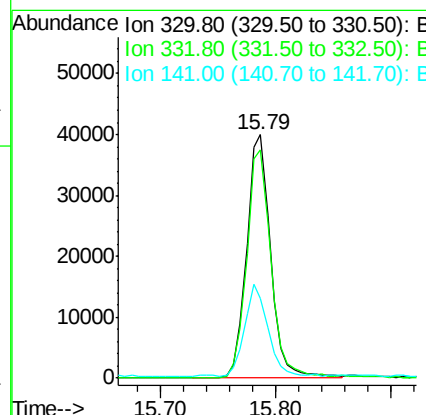
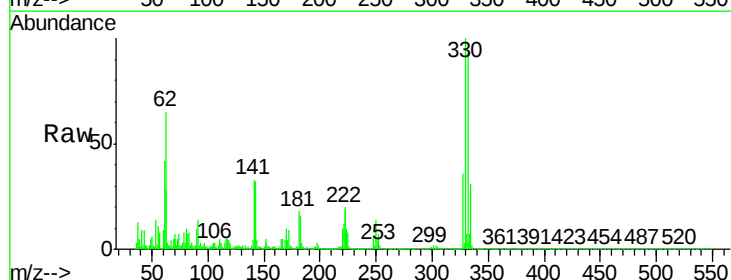
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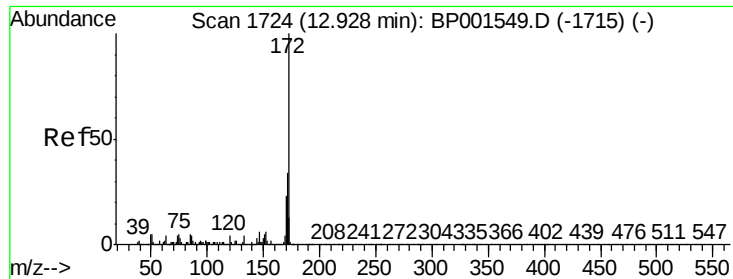
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#42
2,4,6-Tribromophenol
Concen: 34.948 ng
RT: 15.79 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.8	116.6
141	35.9	28.7	43.1





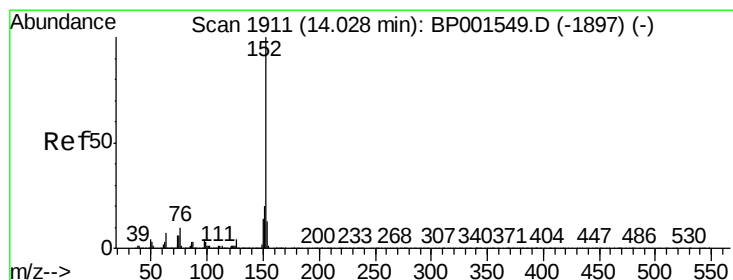
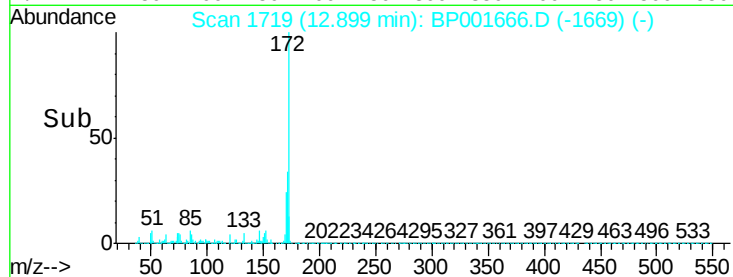
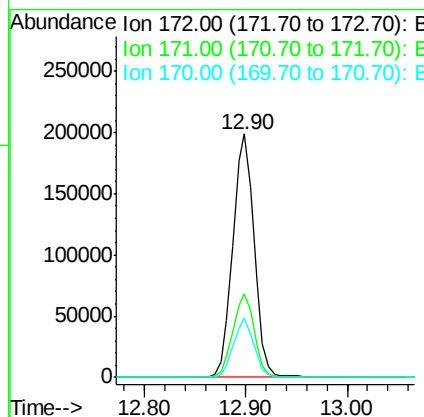
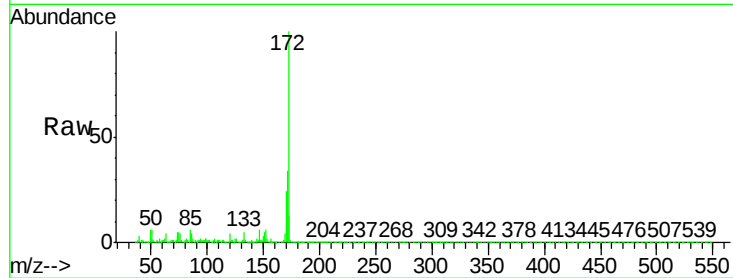
#45
2-Fluorobiphenyl
Concen: 39.459 ng
RT: 12.90 min Scan# 1719
Delta R.T. -0.01 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Instrument :
BNA_P
ClientSampleId :
EO-02-011620

Tot Ion:	172	Resp:	291317
Ion Ratio	Lower	Upper	
172	100		
171	34.5	27.6	41.4
170	24.1	18.3	27.5

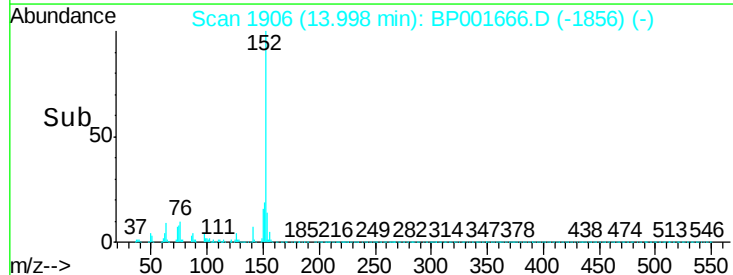
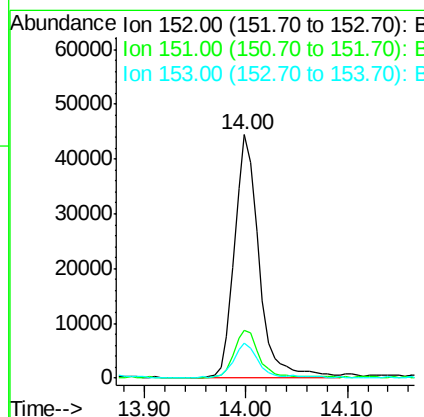
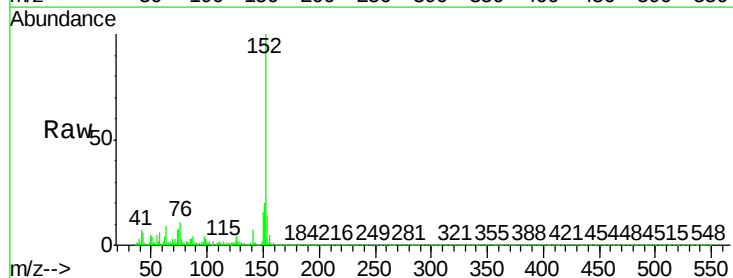
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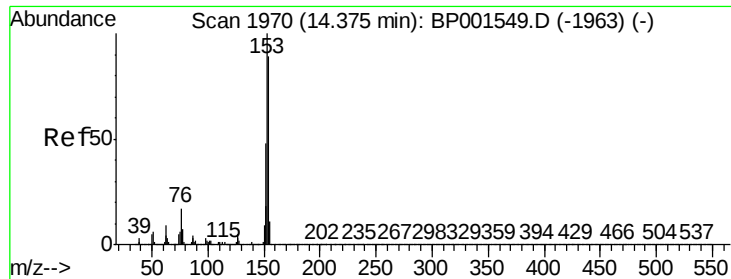
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#49
Acenaphthylene
Concen: 7.499 ng
RT: 14.00 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Tgt Ion:	152	Resp:	74770
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.9	23.9
153	14.3	10.4	15.6





#52

Acenaphthene

Concen: 3.781 ng

RT: 14.35 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BP001666.D

Acq: 17 Jan 2020 20:08

Instrument :

BNA_P

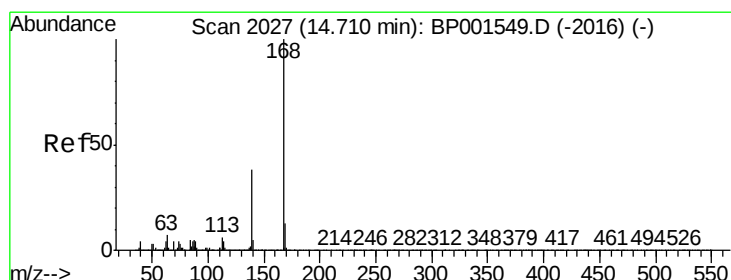
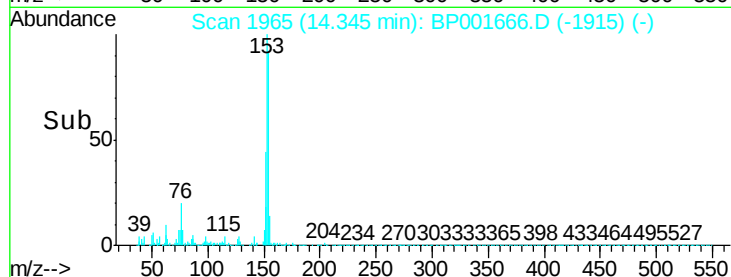
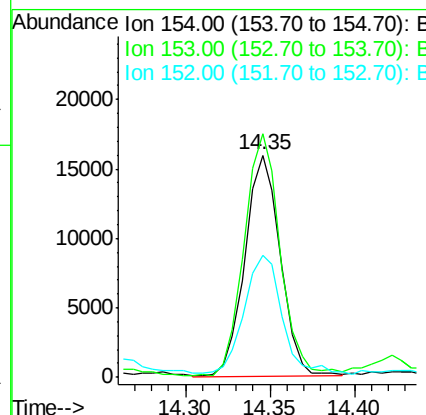
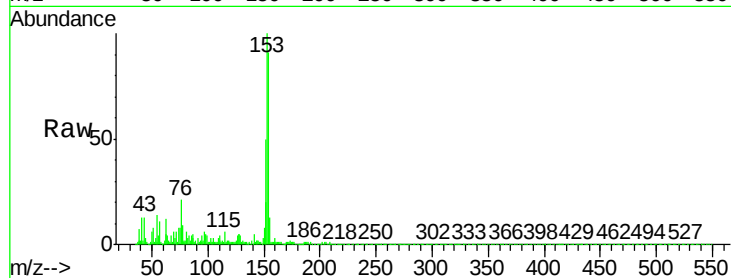
ClientSampleId :

EO-02-011620

Tot Ion:	154	Resp:	23346
Ion Ratio	Lower	Upper	
154	100		
153	109.7	89.4	134.2
152	54.7	42.6	64.0

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#55

Dibenzofuran

Concen: 3.343 ng m

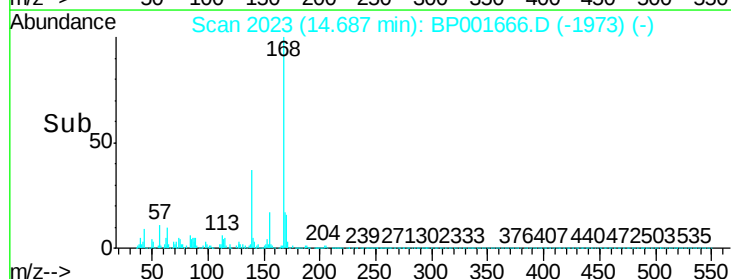
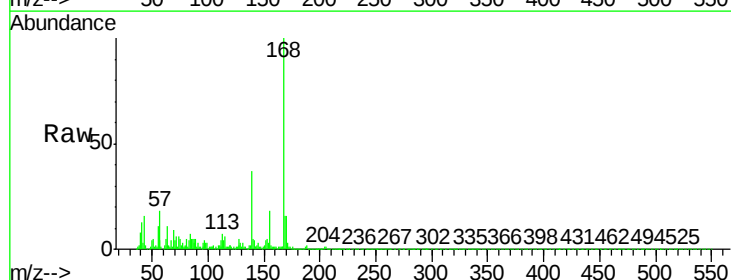
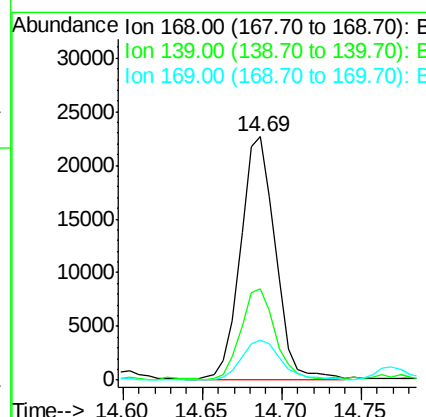
RT: 14.69 min Scan# 2023

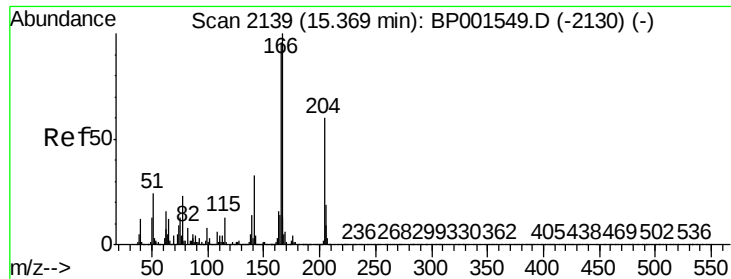
Delta R.T. -0.01 min

Lab File: BP001666.D

Acq: 17 Jan 2020 20:08

Tgt Ion:	168	Resp:	34904
Ion Ratio	Lower	Upper	
168	100		
139	37.5	30.2	45.4
169	16.5	10.6	16.0#





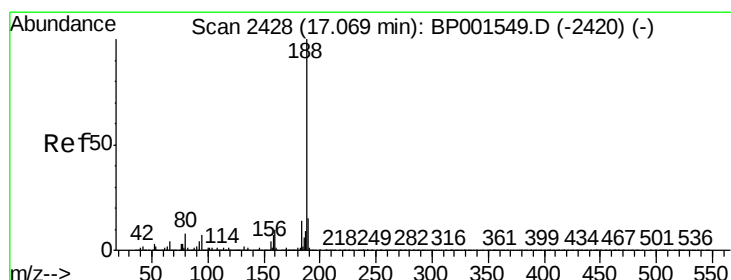
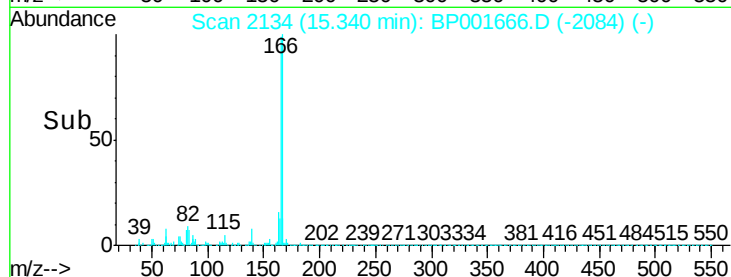
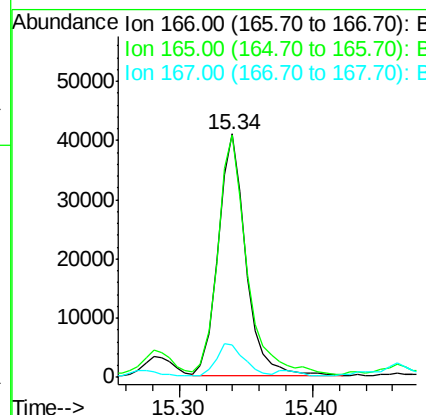
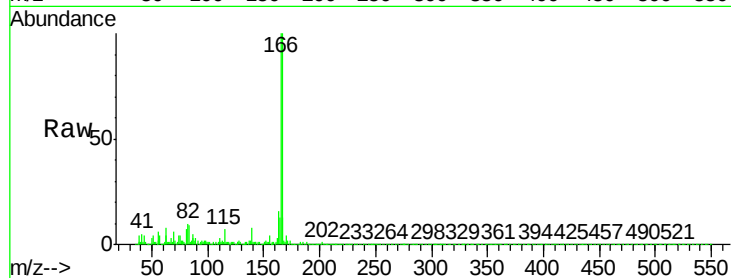
#58
Fluorene
 Concen: 7.030 ng
 RT: 15.34 min Scan# 2134
 Delta R.T. -0.01 min
 Lab File: BP001666.D
 Acq: 17 Jan 2020 20:08

Instrument :
 BNA_P
 ClientSampleId :
 EO-02-011620

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.7	76.9	115.3
167	13.2	10.3	15.5

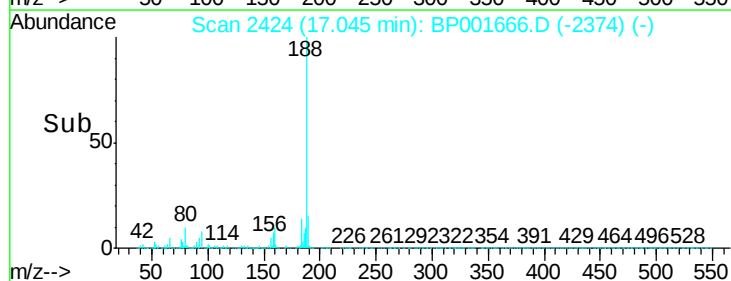
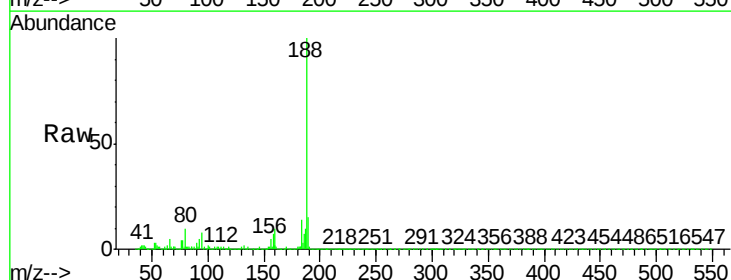
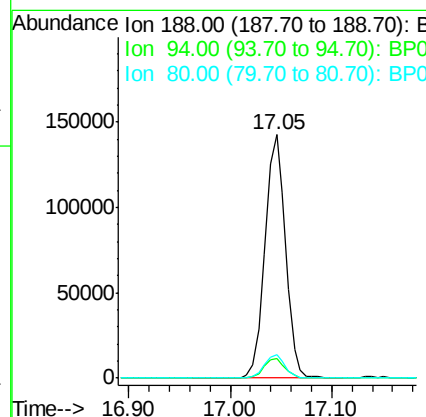
Manual Integrations
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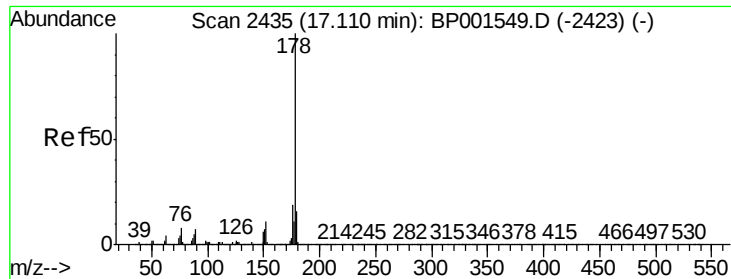
mohammad
 1/21/2020 7:53:12 AM



#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.05 min Scan# 2424
 Delta R.T. -0.01 min
 Lab File: BP001666.D
 Acq: 17 Jan 2020 20:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	5.9	8.9
80	9.8	6.8	10.2





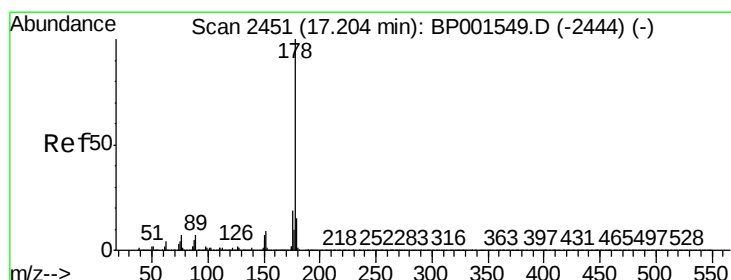
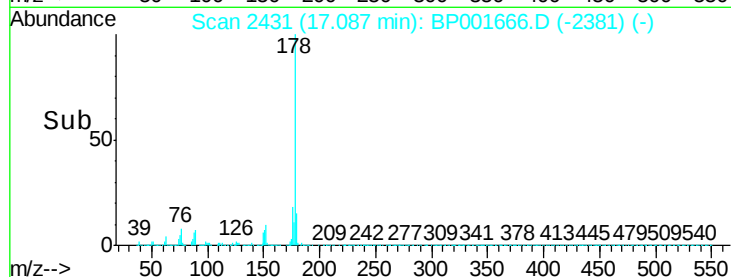
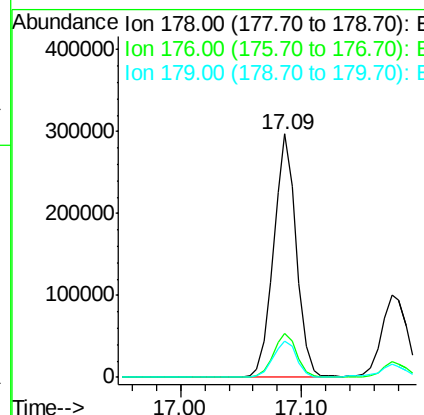
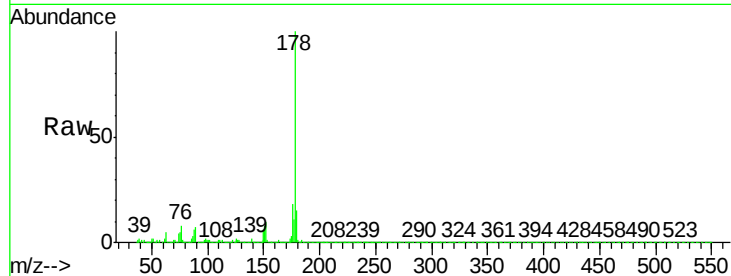
#71
Phenanthrene
Concen: 35.674 ng
RT: 17.09 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Instrument :
BNA_P
ClientSampleId :
EO-02-011620

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.9	22.3
179	15.1	12.5	18.7

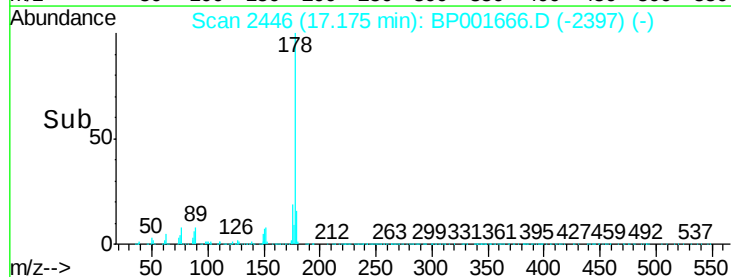
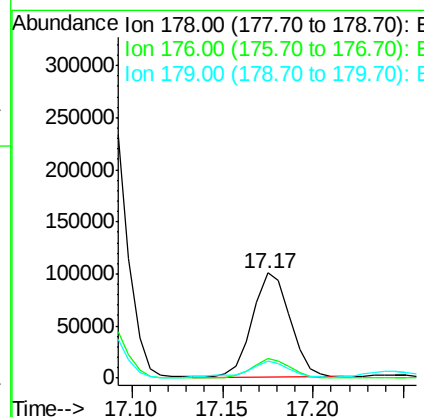
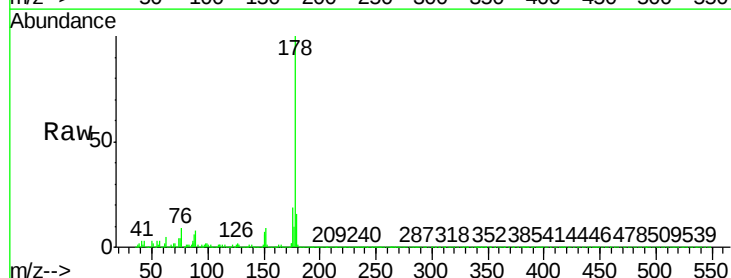
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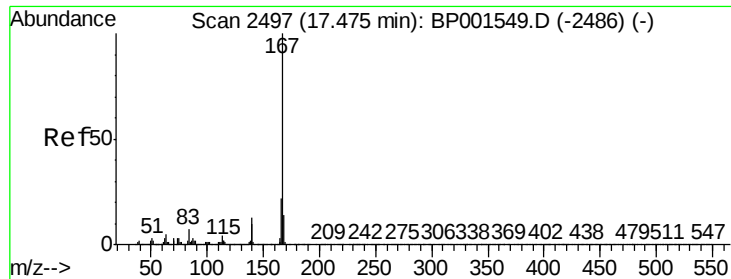
mohammad
1/21/2020 7:53:12 AM



#72
Anthracene
Concen: 13.799 ng
RT: 17.17 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	16.1	11.8	17.8





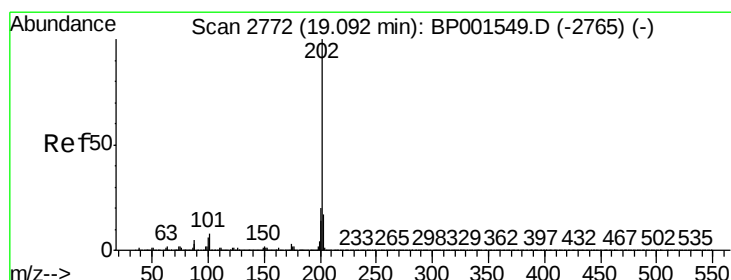
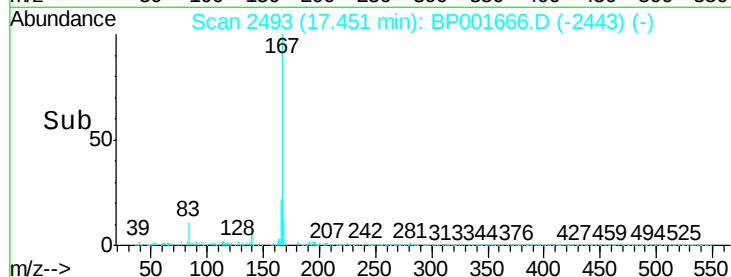
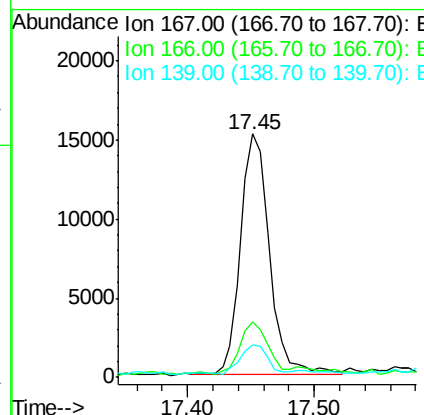
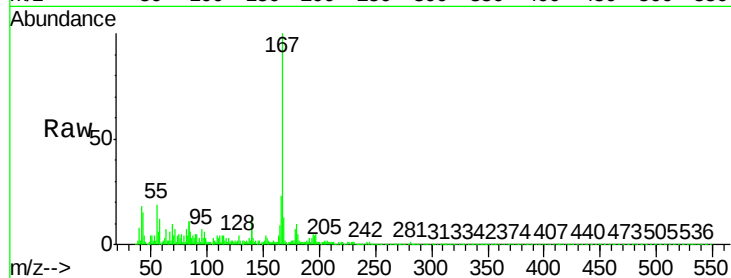
#73
 Carbazole
 Concen: 2.425 ng
 RT: 17.45 min Scan# 2493
 Delta R.T. -0.01 min
 Lab File: BP001666.D
 Acq: 17 Jan 2020 20:08

Instrument :
 BNA_P
 ClientSampleId :
 EO-02-011620

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100		24037		
166	22.9		17.2	25.8	
139	13.1		10.0	15.0	

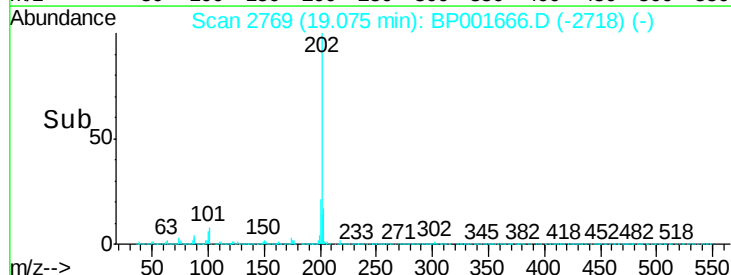
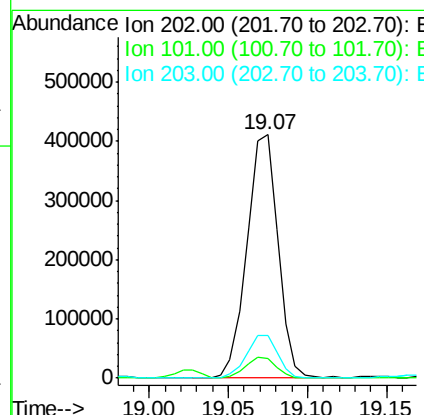
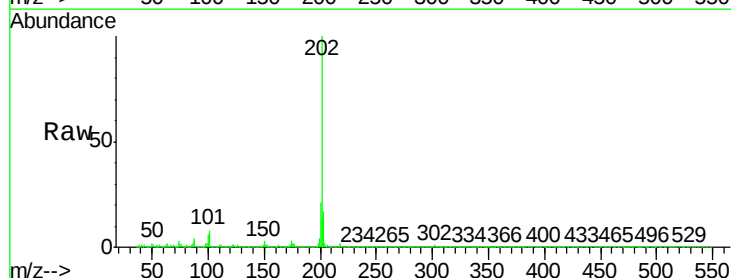
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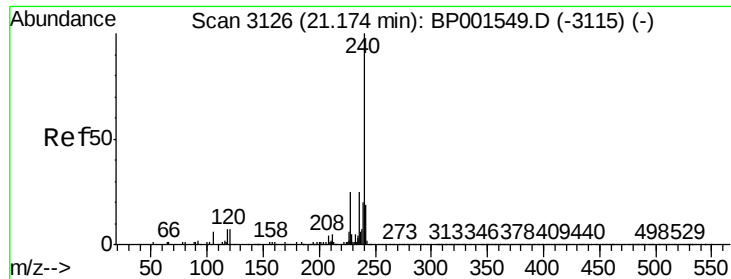
mohammad
 1/21/2020 7:53:12 AM



#75
 Fluoranthene
 Concen: 39.216 ng
 RT: 19.07 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: BP001666.D
 Acq: 17 Jan 2020 20:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		559580		
101	8.0		0.0	28.4	
203	17.3		0.0	37.4	





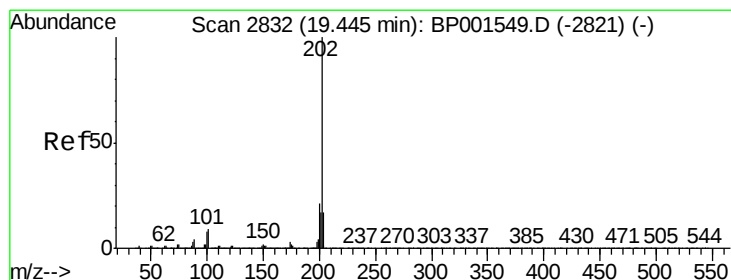
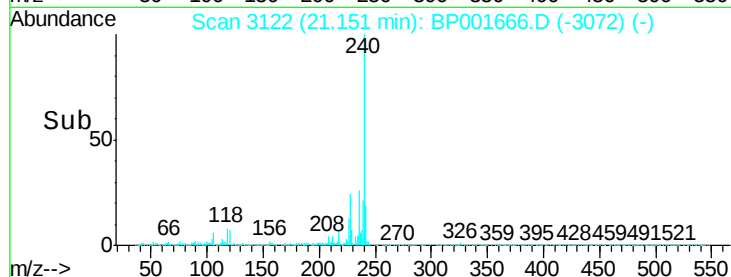
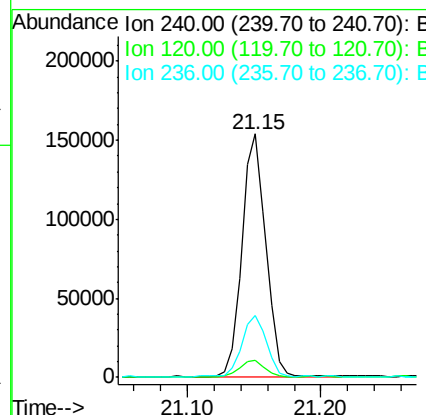
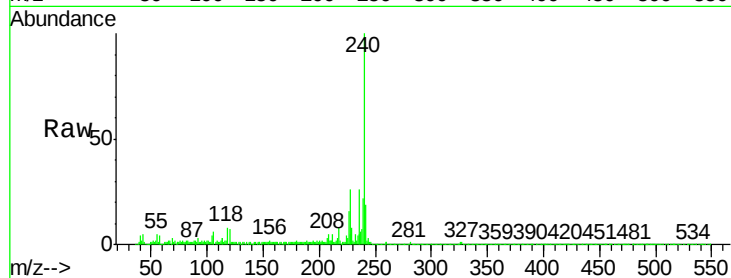
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Instrument :
BNA_P
ClientSampleId :
EO-02-011620

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.3	5.7	8.5
236	25.7	20.4	30.6

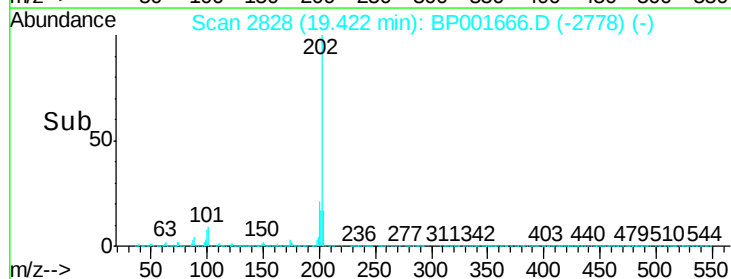
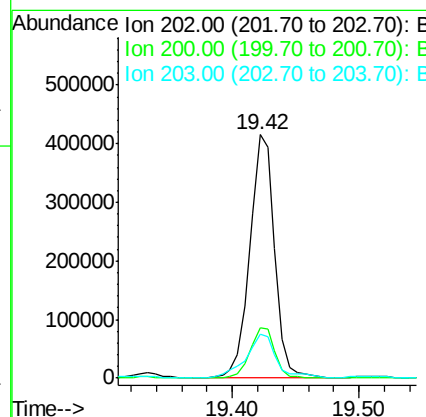
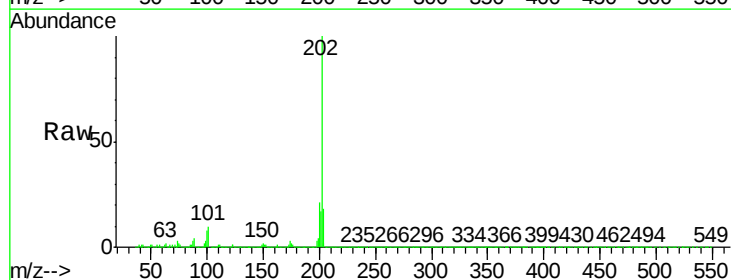
Manual Integrations
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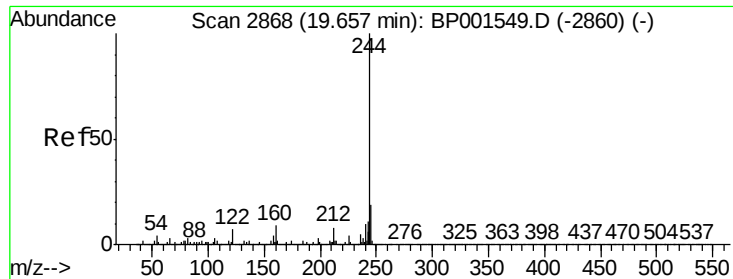
mohammad
1/21/2020 7:53:12 AM



#78
Pyrene
Concen: 40.465 ng
RT: 19.42 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.6
203	17.8	13.7	20.5





#79

Terphenyl-d14

Concen: 30.884 ng

RT: 19.63 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BP001666.D

Acq: 17 Jan 2020 20:08

Instrument :

BNA_P

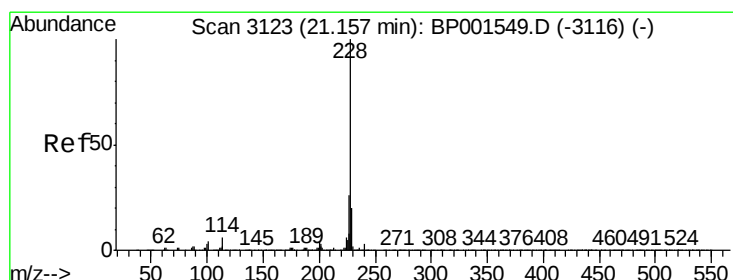
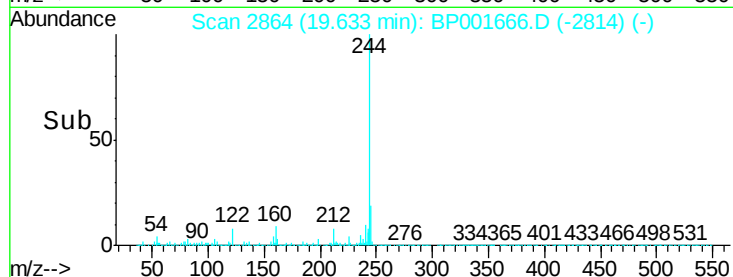
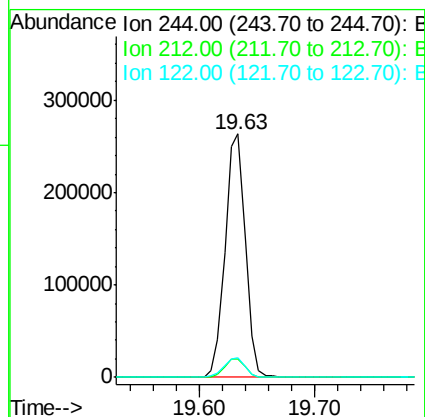
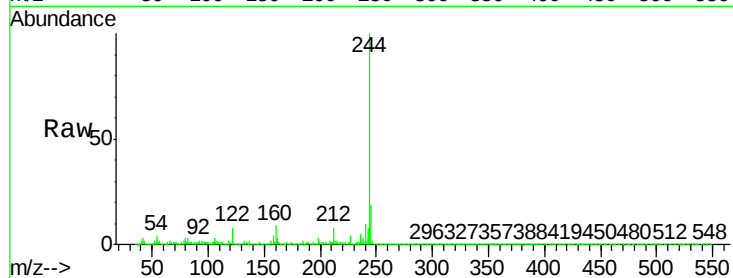
ClientSampleId :

EO-02-011620

Tot Ion:	244	Resp:	319101
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.3	9.5
122	8.3	5.8	8.6

Manual Integrations
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mohammad
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#81

Benzo(a)anthracene

Concen: 21.829 ng

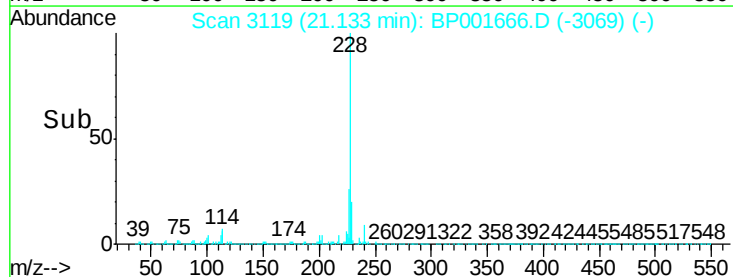
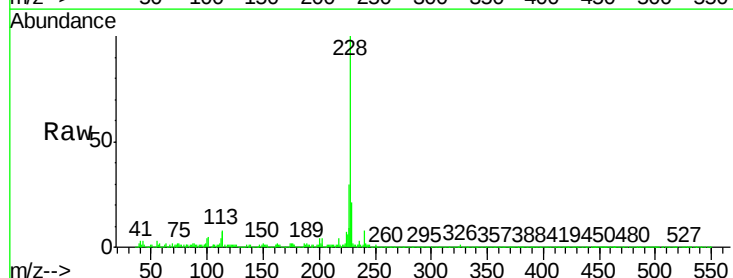
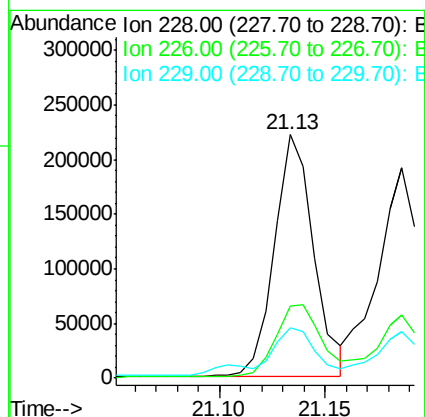
RT: 21.13 min Scan# 3119

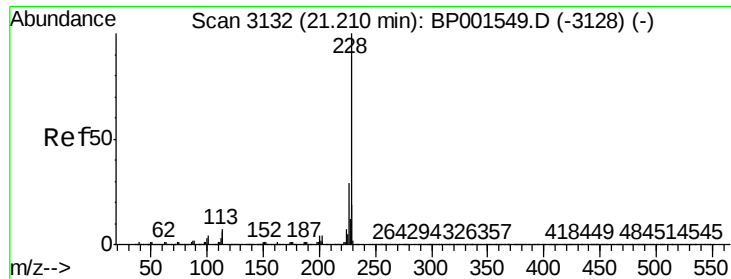
Delta R.T. -0.01 min

Lab File: BP001666.D

Acq: 17 Jan 2020 20:08

Tgt Ion:	228	Resp:	287305
Ion Ratio	Lower	Upper	
228	100		
226	29.8	21.2	31.8
229	20.6	16.1	24.1





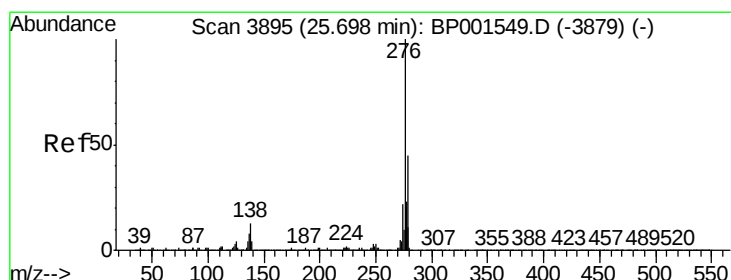
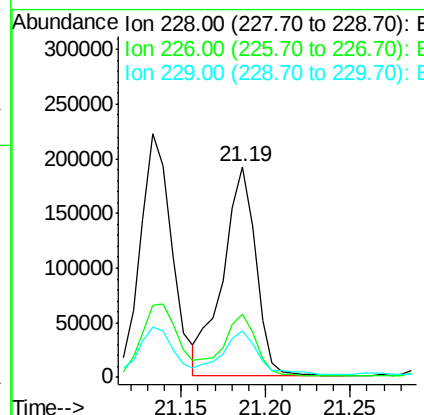
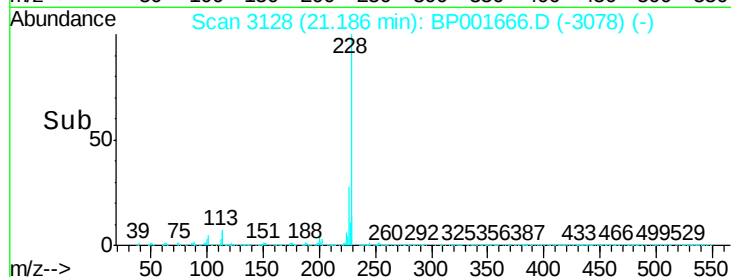
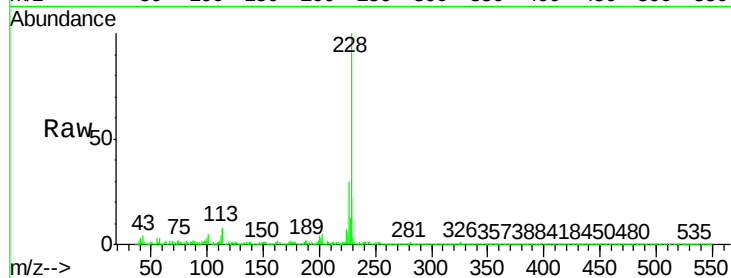
#83
Chrysene
Concen: 20.268 ng
RT: 21.19 min Scan# 3128
Delta R.T. -0.01 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Instrument :
BNA_P
ClientSampleId :
EO-02-011620

Tot Ion:	228	Resp:	259961
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.2	34.8
229	22.0	15.2	22.8

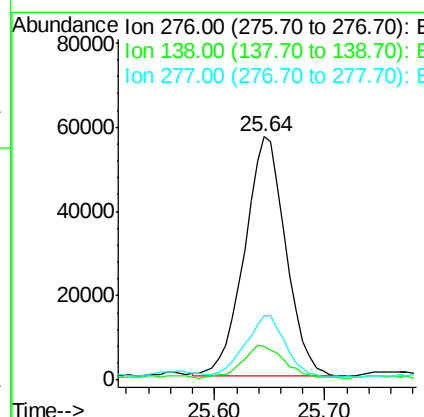
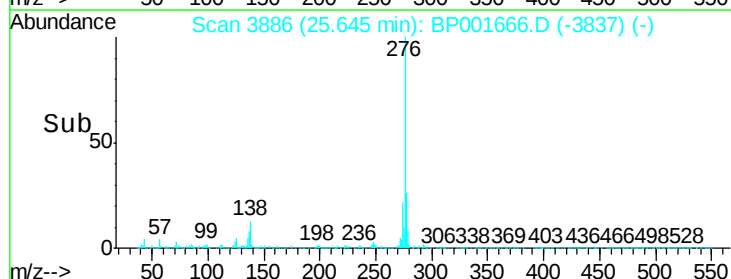
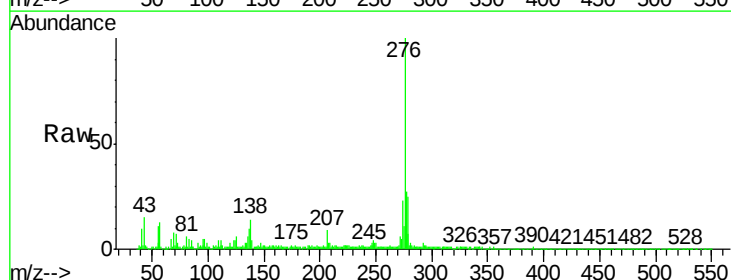
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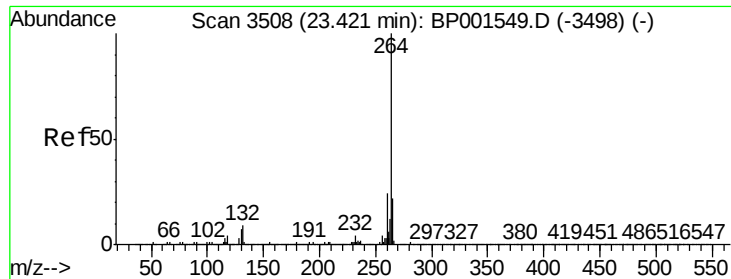
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 9.963 ng
RT: 25.64 min Scan# 3886
Delta R.T. -0.01 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Tgt Ion:	276	Resp:	149588
Ion Ratio	Lower	Upper	
276	100		
138	14.1	11.1	16.7
277	24.5	20.4	30.6





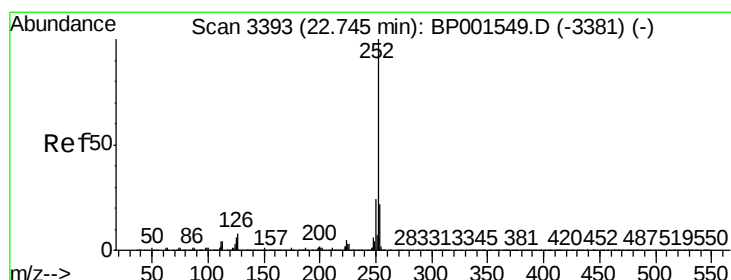
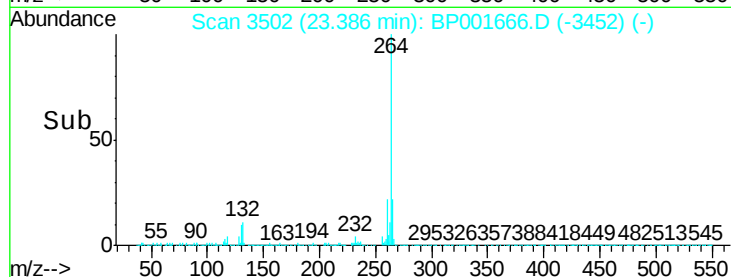
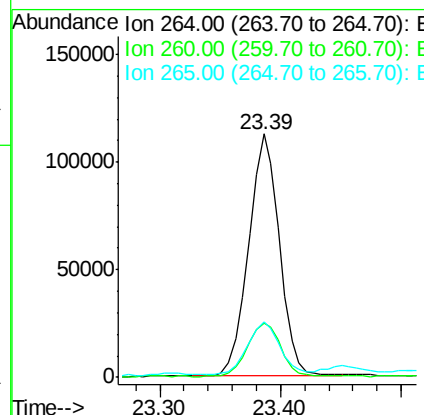
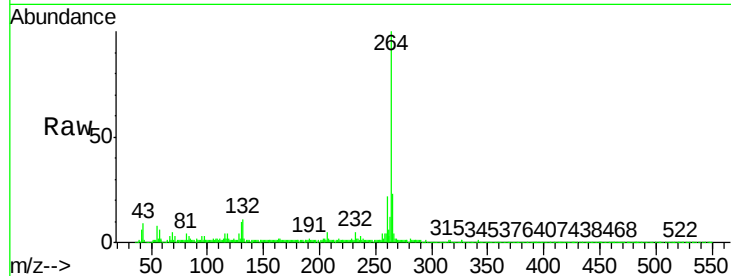
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.39 min Scan# 3502
Delta R.T. -0.01 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Instrument :
BNA_P
ClientSampleId :
EO-02-011620

Tot Ion:	264	Resp:	201004
Ion Ratio	Lower	Upper	
264	100		
260	22.3	19.0	28.6
265	23.0	18.2	27.4

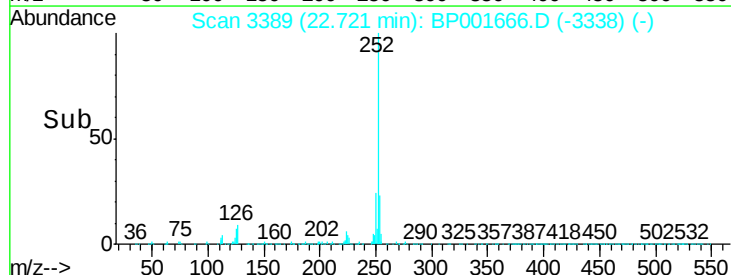
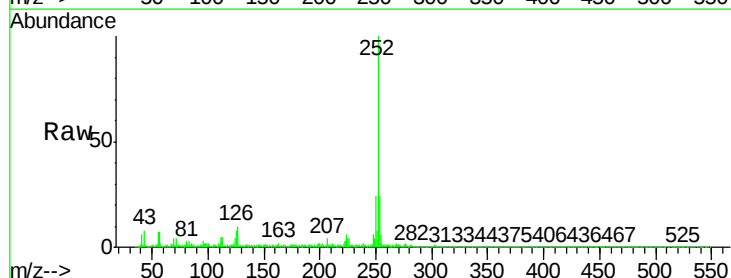
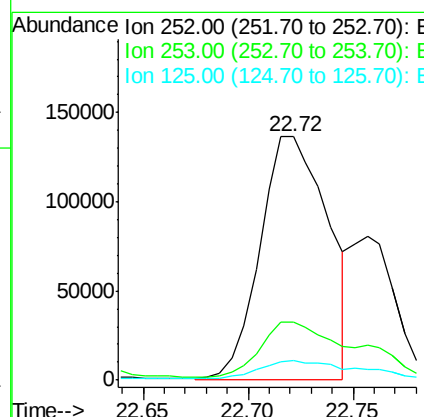
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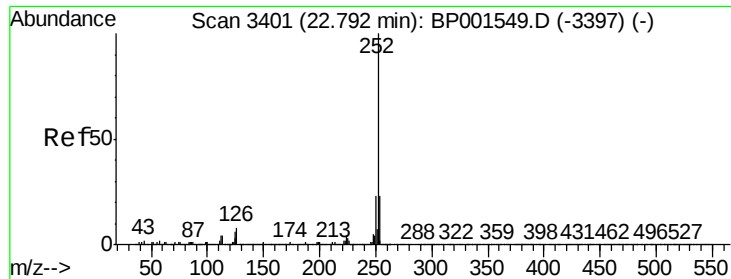
mohammad
1/21/2020 7:53:12 AM



#88
Benzo(b)fluoranthene
Concen: 24.495 ng m
RT: 22.72 min Scan# 3389
Delta R.T. 0.00 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Tgt Ion:	252	Resp:	310261
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.6	26.4
125	8.0	4.6	7.0#





#89

Benzo(k)fluoranthene

Concen: 9.463 ng/mL

RT: 22.76 min Scan# 3395

Delta R.T. -0.01 min

Lab File: BP001666.D

Acq: 17 Jan 2020 20:08

Instrument :

BNA_P

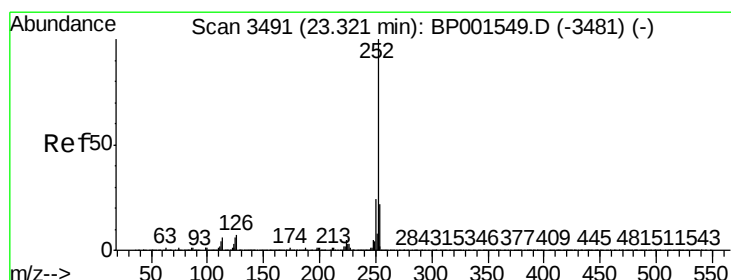
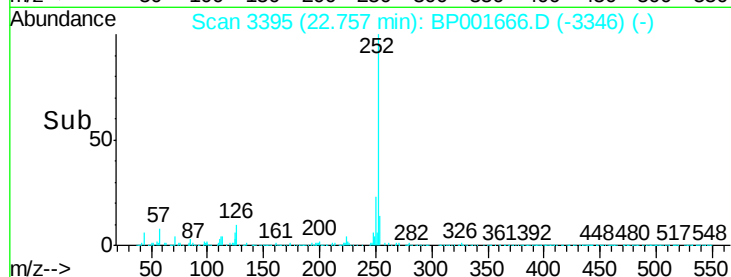
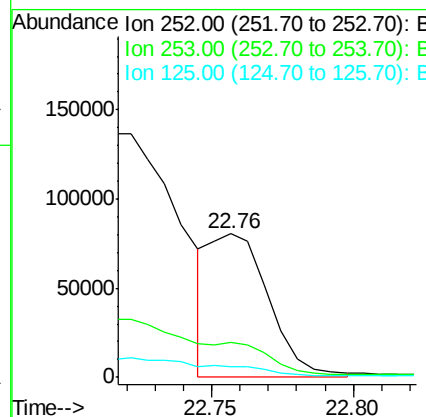
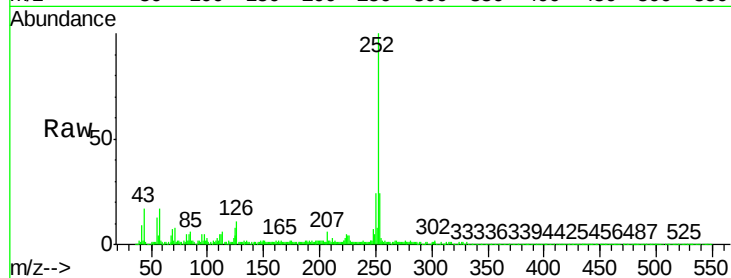
ClientSampleId :

EO-02-011620

Tot Ion:	252	Resp:	116867
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.2	27.2
125	7.8	4.6	6.8#

Manual Integrations
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1/21/2020 7:53:12 AM



#90

Benzo(a)pyrene

Concen: 20.486 ng/mL

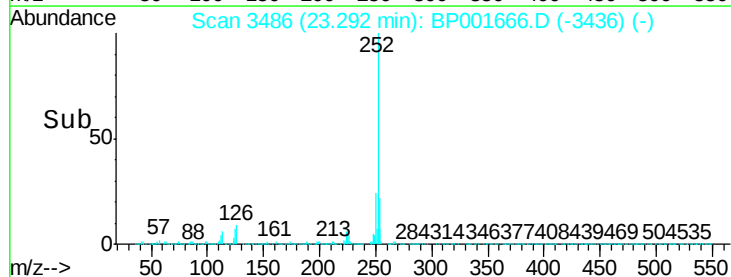
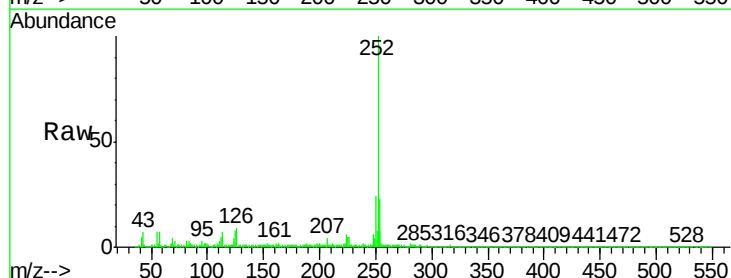
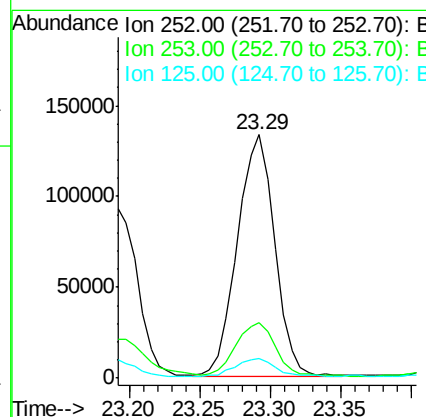
RT: 23.29 min Scan# 3486

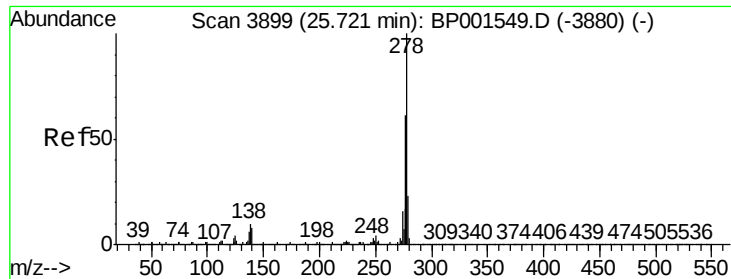
Delta R.T. -0.01 min

Lab File: BP001666.D

Acq: 17 Jan 2020 20:08

Tgt Ion:	252	Resp:	246372
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.6	26.4
125	8.0	5.0	7.4#





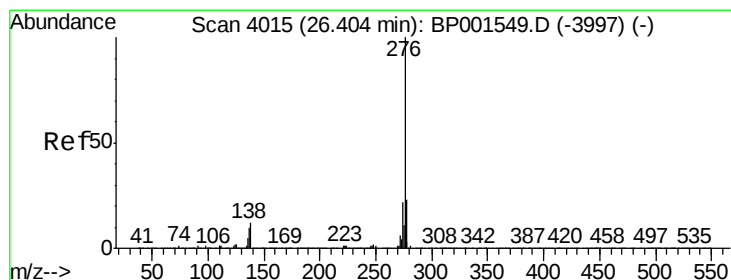
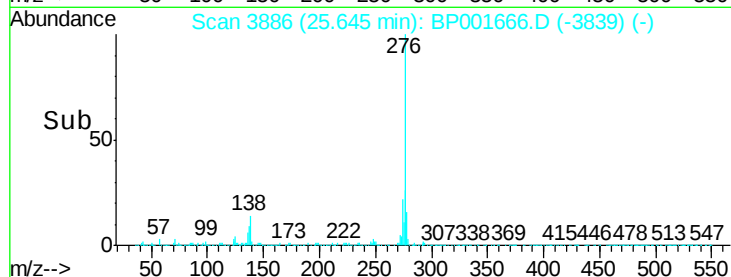
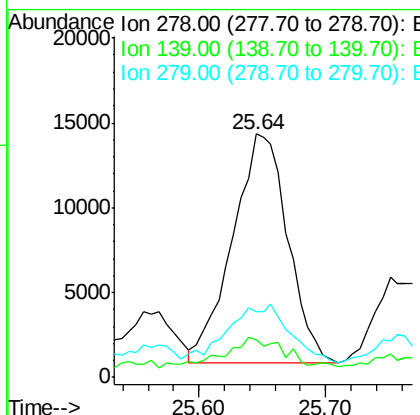
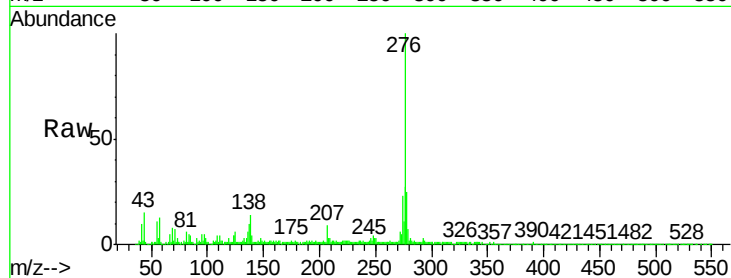
#91
Dibenzo(a,h)anthracene
Concen: 3.280 ng
RT: 25.64 min Scan# 3886
Delta R.T. -0.02 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Instrument :
BNA_P
ClientSampleId :
EO-02-011620

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.4	6.7	10.1#
279	27.1	18.6	28.0

Manual Integrations
APPROVED

mohammad
1/21/2020 7:53:12 AM



#92
Benzo(g,h,i)perylene
Concen: 11.942 ng
RT: 26.34 min Scan# 4004
Delta R.T. 0.00 min
Lab File: BP001666.D
Acq: 17 Jan 2020 20:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	16.0	9.4	14.2#

