

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
 Data File : BP001663.D
 Acq On : 17 Jan 2020 18:27
 Operator : JU
 Sample : L1010-06 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-011620

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Quant Time: Jan 18 04:02:58 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	58966	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	204964	20.00	ng	-0.01
39) Acenaphthene-d10	14.28	164	110977	20.00	ng	0.00
64) Phenanthrene-d10	17.04	188	210647	20.00	ng	-0.01
76) Chrysene-d12	21.15	240	212287	20.00	ng	-0.01
87) Perylene-d12	23.38	264	226244	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	156086	51.85	ng	0.00
7) Phenol-d6	6.83	99	226625	47.11	ng	0.00
23) Nitrobenzene-d5	8.78	82	153980	32.83	ng	-0.01
42) 2,4,6-Tribromophenol	15.78	330	51983	30.77	ng	-0.01
45) 2-Fluorobiphenyl	12.89	172	260887	34.56	ng	-0.01
79) Terphenyl-d14	19.63	244	309047	26.63	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.46	128	28591	2.643	ng	95
52) Acenaphthene	14.35	154	15098	2.392	ng	97
58) Fluorene	15.34	166	25452	2.946	ng	95
71) Phenanthrene	17.08	178	199565	17.421	ng	99
72) Anthracene	17.17	178	39529	3.545	ng	97
75) Fluoranthene	19.06	202	212034	14.067	ng	99
78) Pyrene	19.42	202	214588	13.761	ng	97
81) Benzo(a)anthracene	21.13	228	94201	6.372	ng	96
83) Chrysene	21.18	228	85382	5.926	ng	97
86) Indeno(1,2,3-cd)pyrene	25.63	276	35140	2.084	ng	99
88) Benzo(b)fluoranthene	22.72	252	81623m	5.725	ng	
89) Benzo(k)fluoranthene	22.75	252	34141m	2.456	ng	
90) Benzo(a)pyrene	23.27	252	65372	4.829	ng	# 97
92) Benzo(a,h,i)perylene	26.31	276	33295	2.398	ng	# 93

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

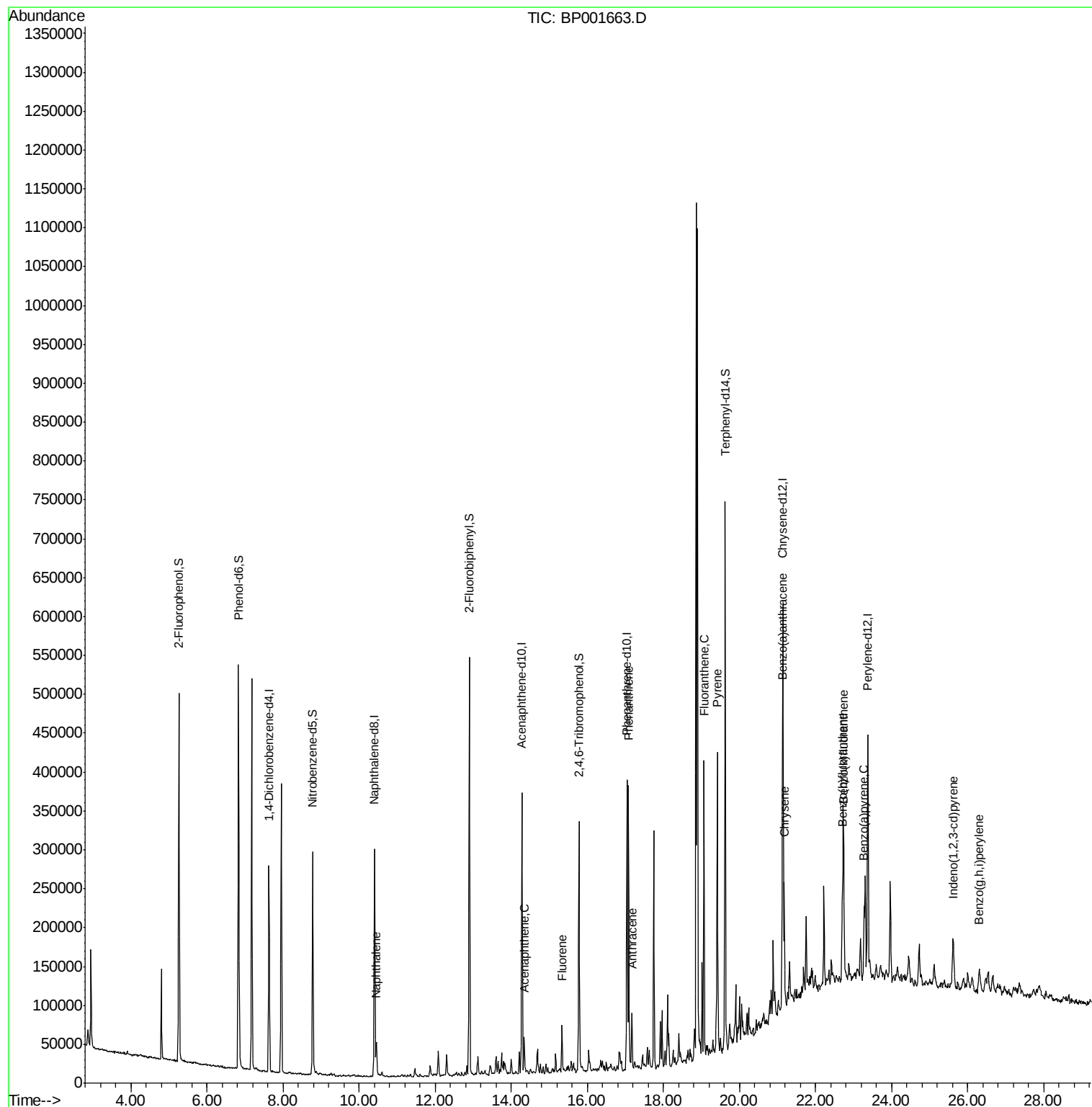
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Data File : BP001663.D
Acq On : 17 Jan 2020 18:27
Operator : JU
Sample : L1010-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

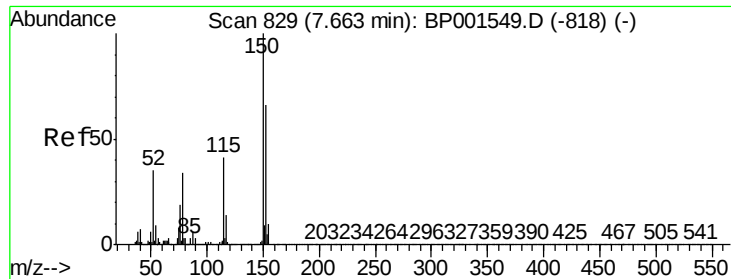
Instrument :
BNA_P
ClientSampleId :
OK-02-011620

Quant Time: Jan 18 04:02:58 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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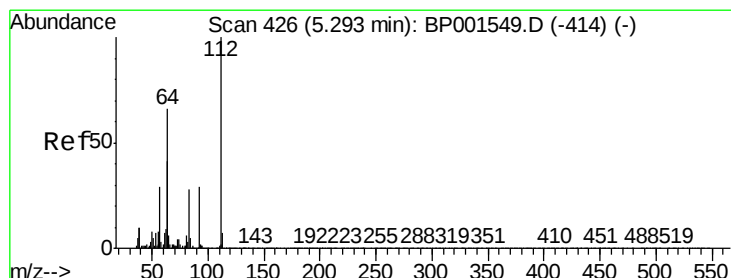
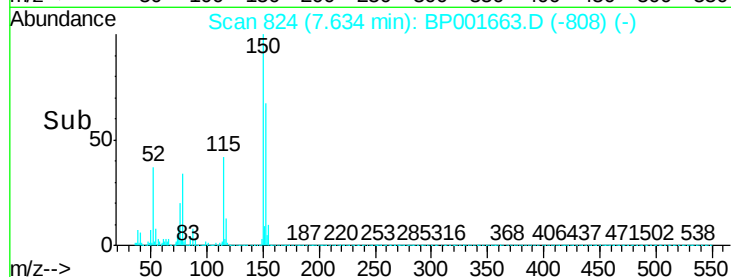
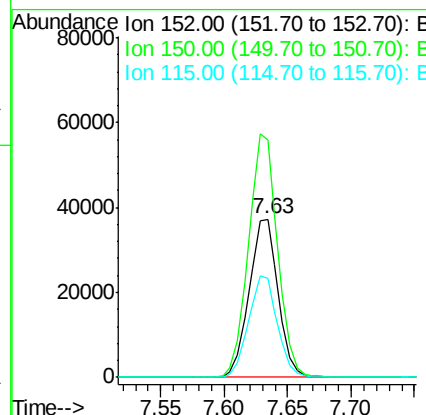
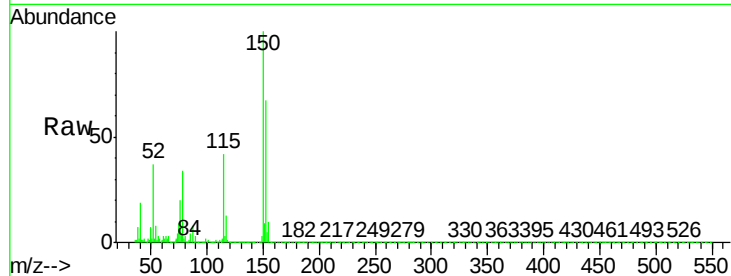
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Instrument :
BNA_P
ClientSampleId :
OK-02-011620

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	122.0	183.0
115	62.5	50.7	76.1

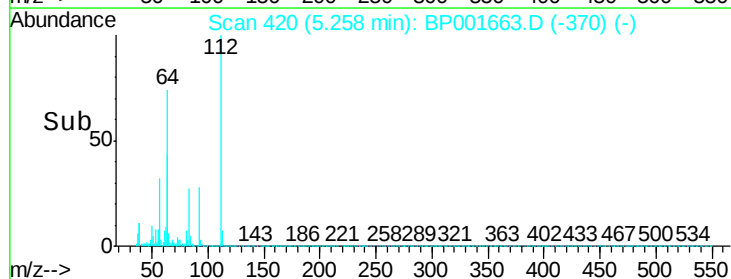
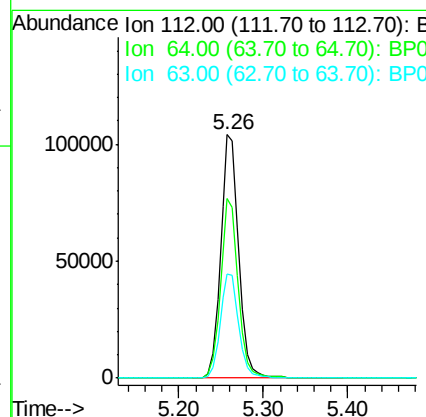
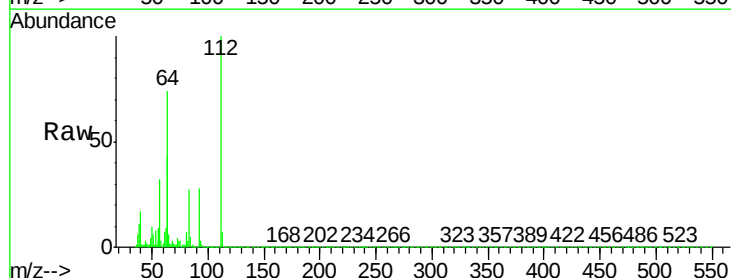
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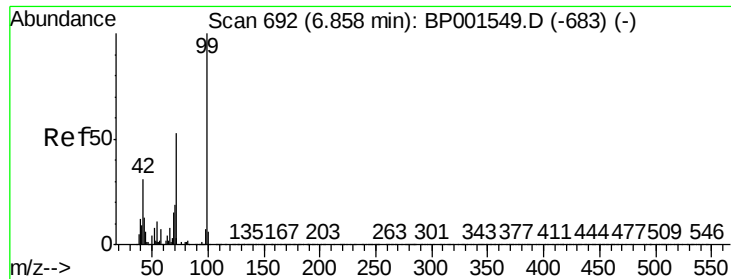
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#5
2-Fluorophenol
Concen: 51.853 ng
RT: 5.26 min Scan# 420
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.9	52.8	79.2
63	43.0	33.1	49.7





#7

Phenol-d6

Concen: 47.107 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

Instrument :

BNA_P

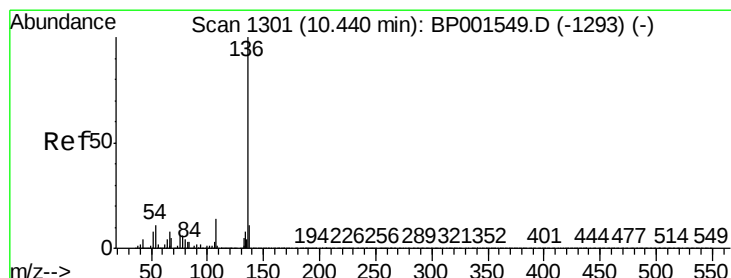
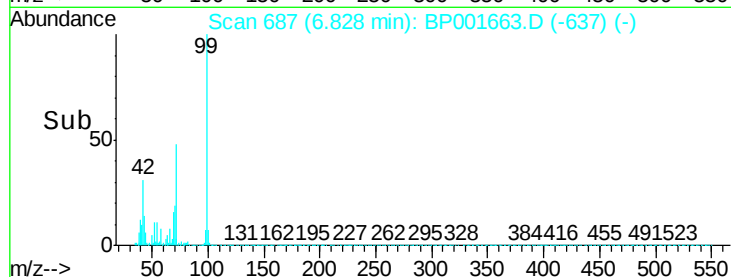
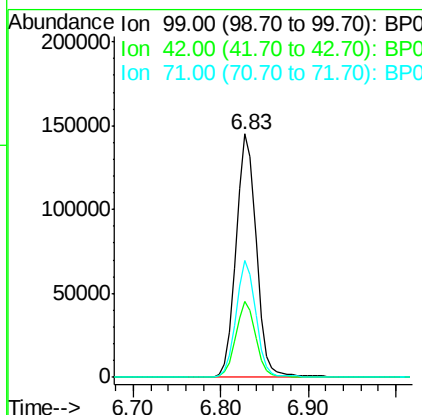
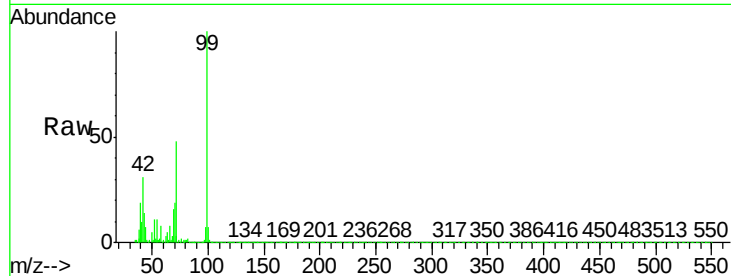
ClientSampleId :

OK-02-011620

Tot Ion:	99	Resp:	226625
Ion Ratio	Lower	Upper	
99	100		
42	31.1	24.5	36.7
71	47.8	42.4	63.6

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#21

Naphthalene-d8

Concen: 20.000 ng

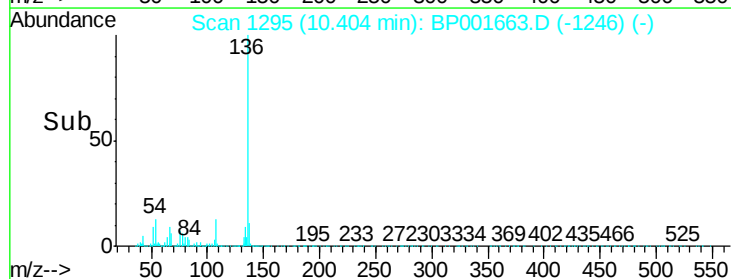
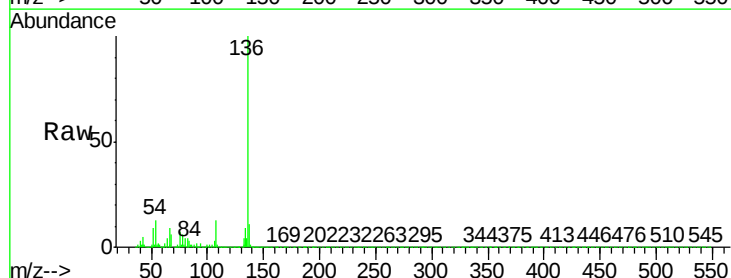
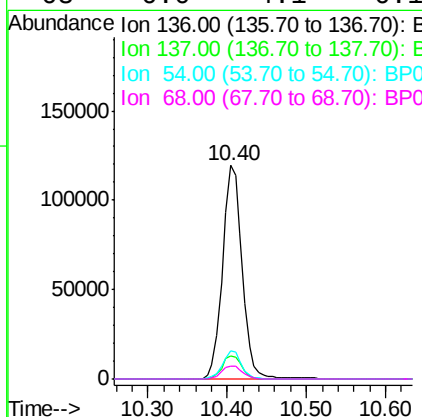
RT: 10.40 min Scan# 1295

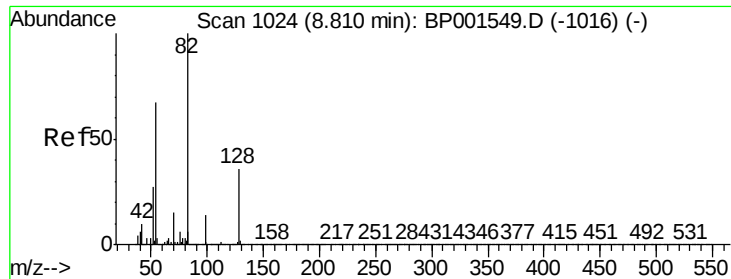
Delta R.T. -0.01 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

Tgt Ion:	136	Resp:	204964
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	12.8
54	12.9	9.2	13.8
68	6.0	4.1	6.1





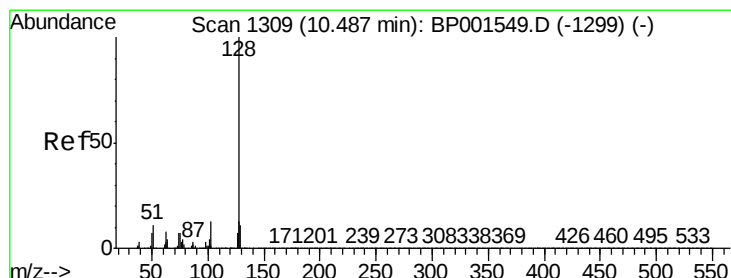
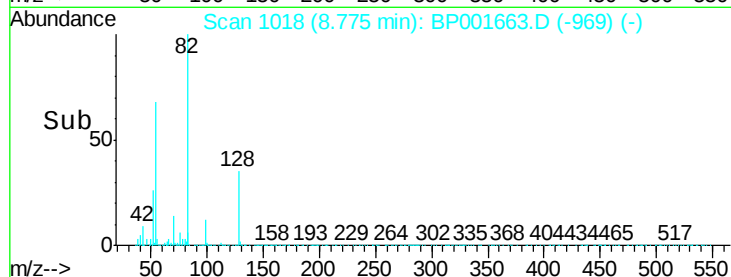
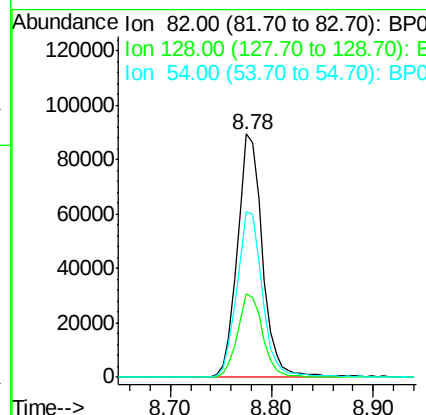
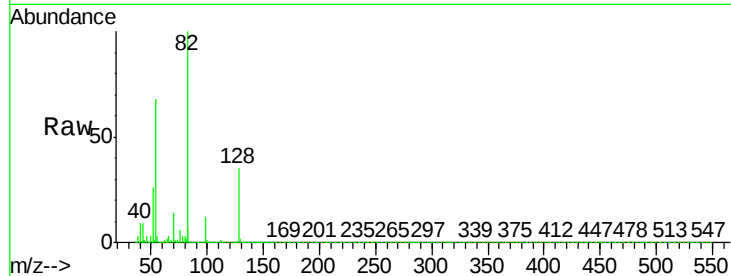
#23
 Nitrobenzene-d5
 Concen: 32.828 ng
 RT: 8.78 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BP001663.D
 Acq: 17 Jan 2020 18:27

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-011620

Tot Ion	82	Resp	153980
Ion Ratio	Lower	Upper	
82	100		
128	34.5	28.4	42.6
54	67.8	53.4	80.2

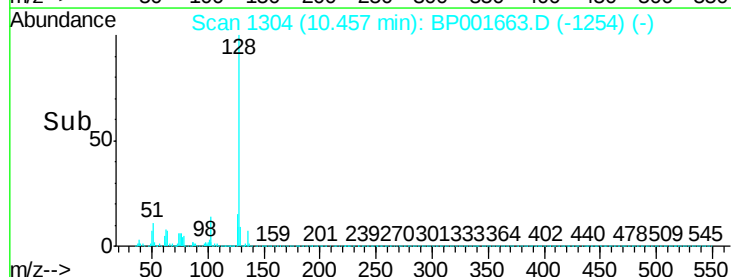
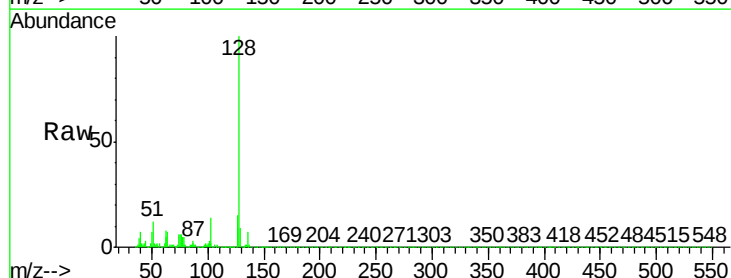
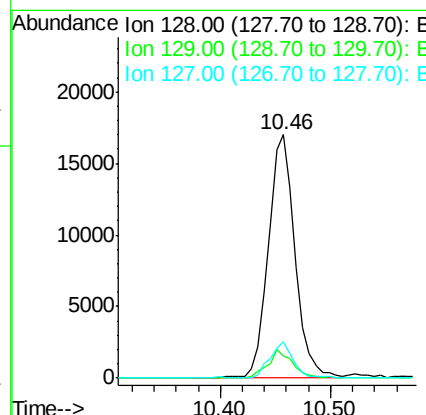
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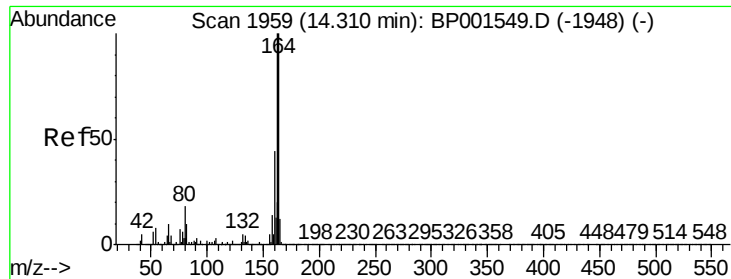
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#31
 Naphthalene
 Concen: 2.643 ng
 RT: 10.46 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BP001663.D
 Acq: 17 Jan 2020 18:27

Tgt Ion	128	Resp	28591
Ion Ratio	Lower	Upper	
128	100		
129	9.1	8.9	13.3
127	14.9	10.6	16.0





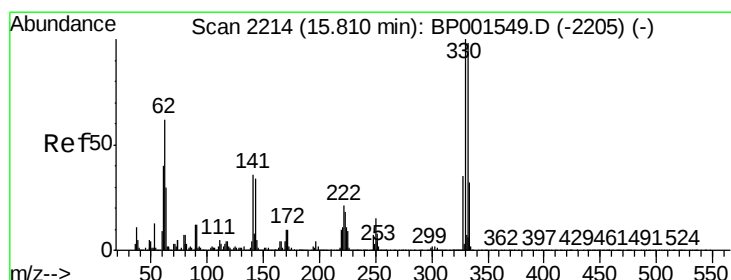
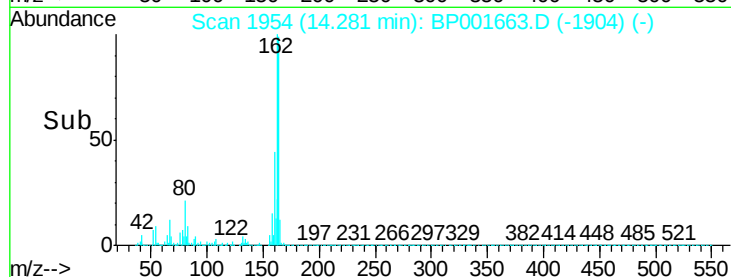
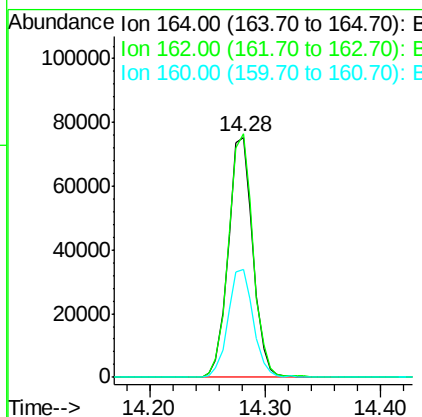
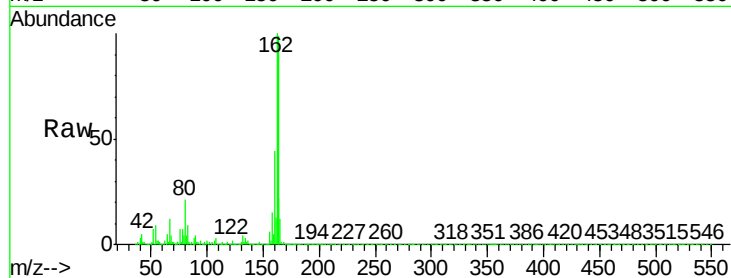
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.28 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Instrument :
BNA_P
ClientSampleId :
OK-02-011620

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	79.8	119.6
160	44.8	35.0	52.6

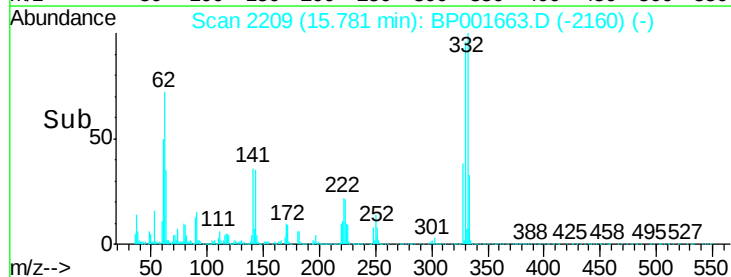
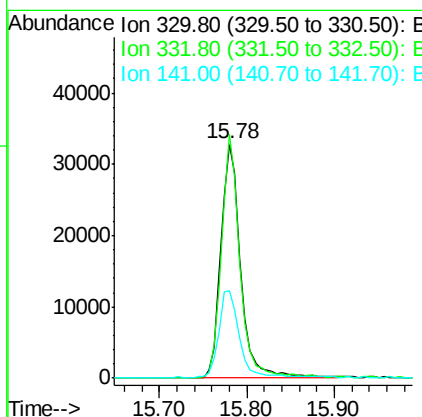
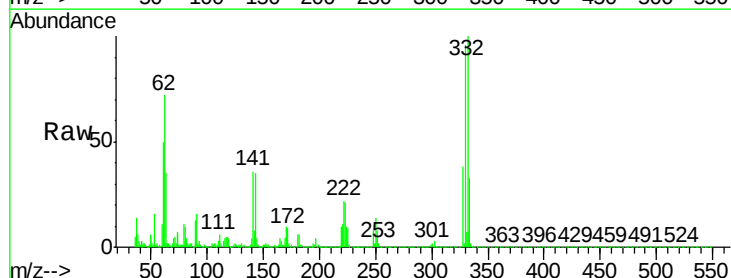
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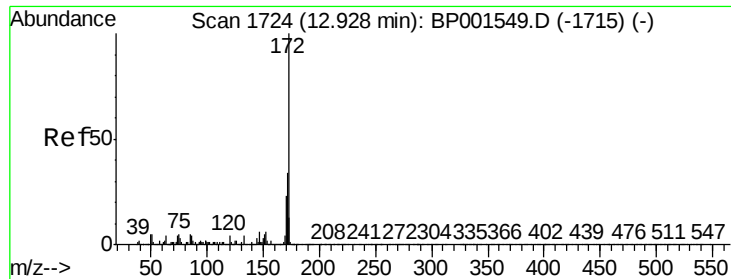
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#42
2,4,6-Tribromophenol
Concen: 30.772 ng
RT: 15.78 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.8	116.6
141	37.9	28.7	43.1





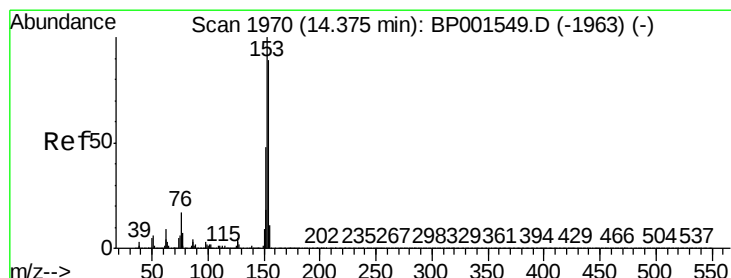
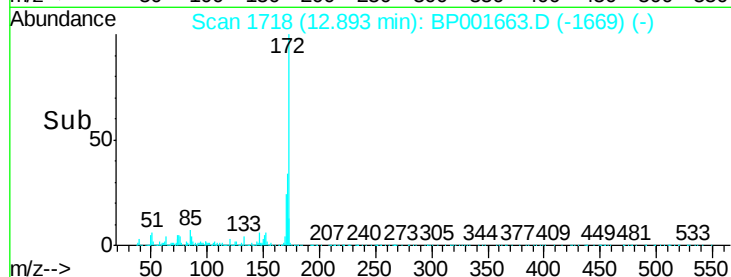
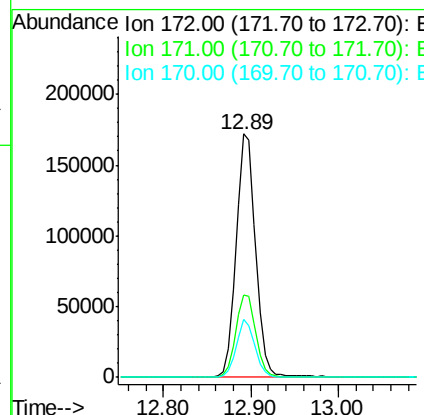
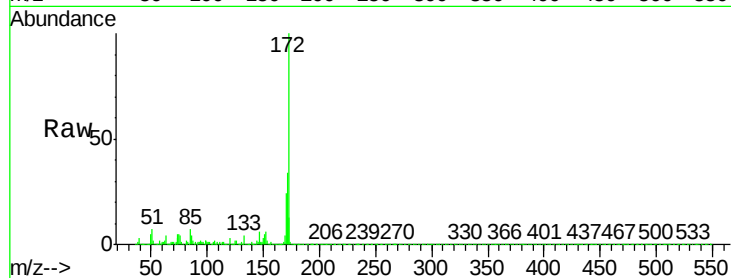
#45
2-Fluorobiphenyl
Concen: 34.564 ng
RT: 12.89 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Instrument :
BNA_P
ClientSampleId :
OK-02-011620

Tot Ion	Ratio	Resp	Lower	Upper
172	100	260887		
171	33.8		27.6	41.4
170	23.7		18.3	27.5

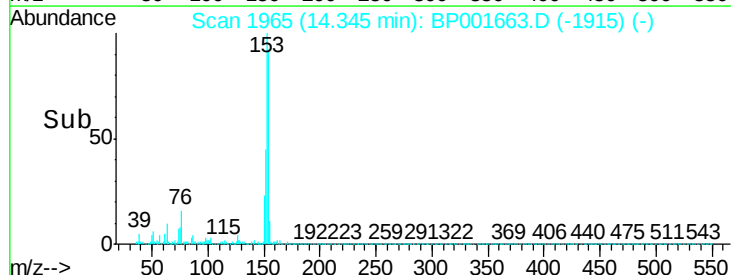
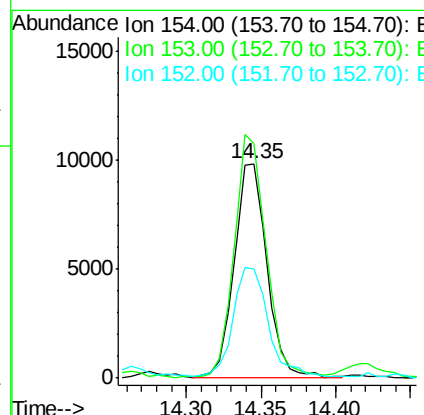
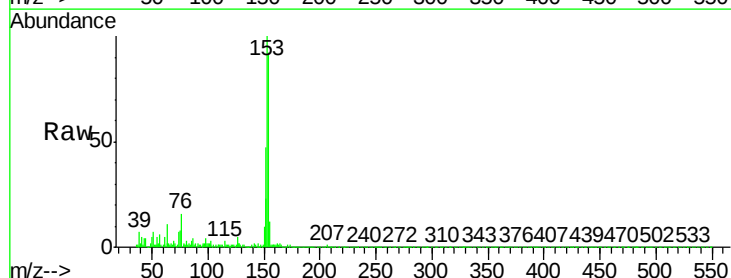
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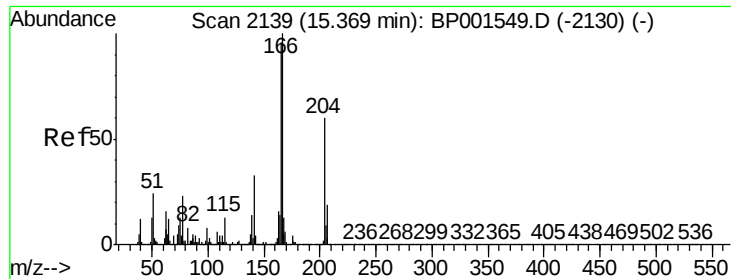
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#52
Acenaphthene
Concen: 2.392 ng
RT: 14.35 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	15098		
153	109.3		89.4	134.2
152	51.0		42.6	64.0





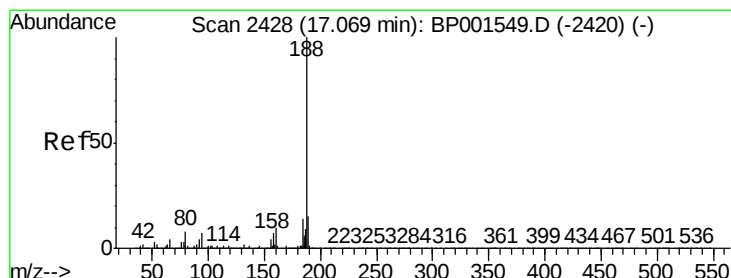
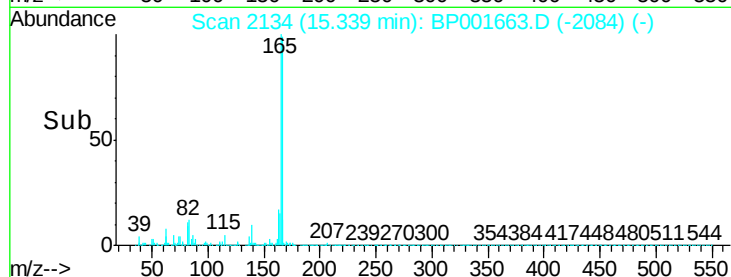
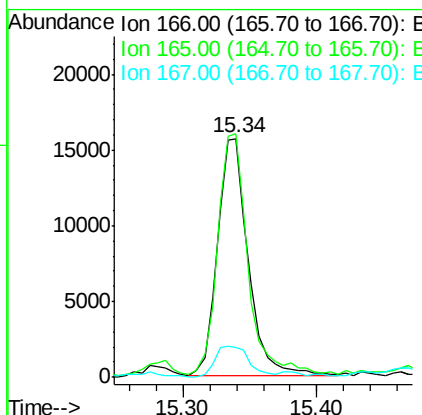
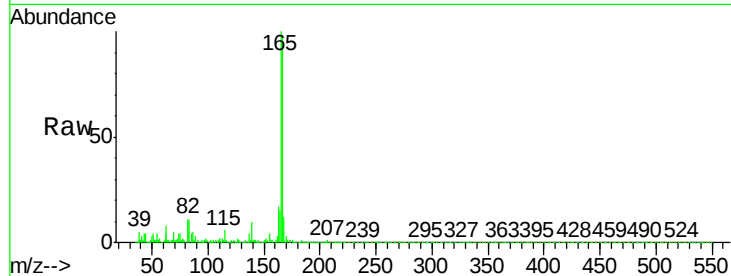
#58
Fluorene
Concen: 2.946 ng
RT: 15.34 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Instrument :
BNA_P
ClientSampleId :
OK-02-011620

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		25452		
165	101.9	76.9	115.3		
167	12.4	10.3	15.5		

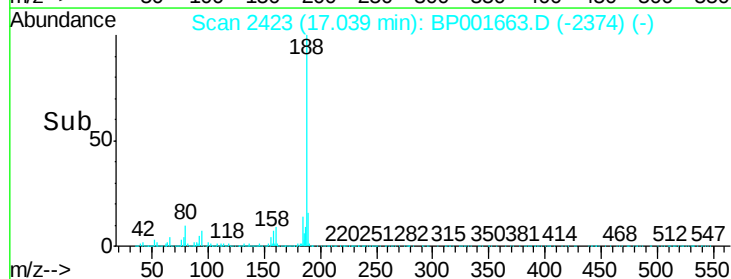
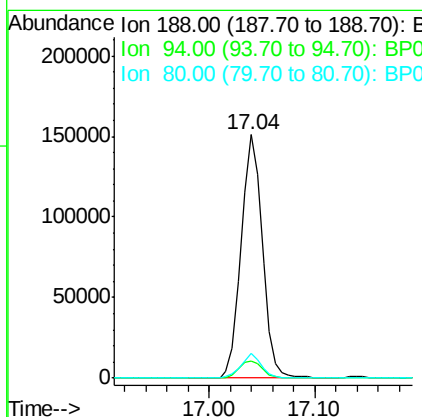
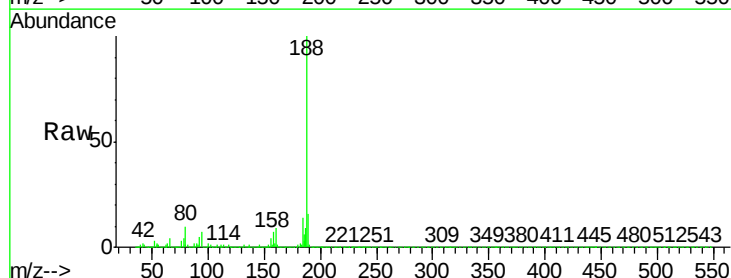
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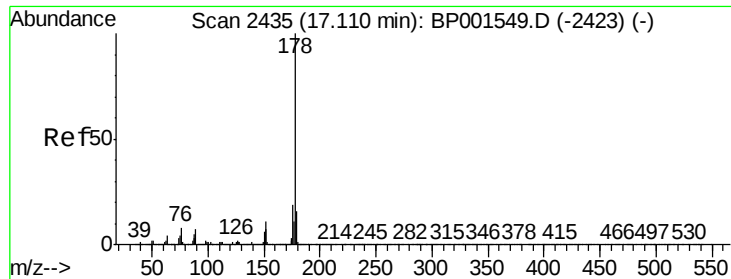
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.04 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		210647		
94	7.1	5.9	8.9		
80	10.2	6.8	10.2		





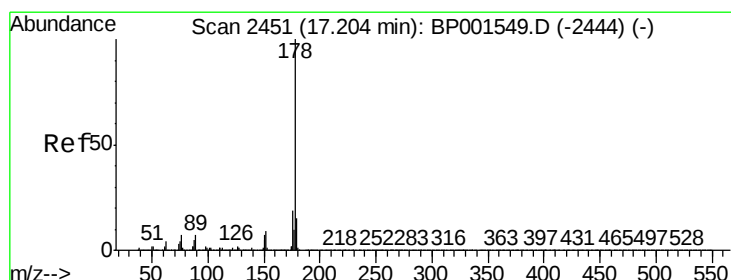
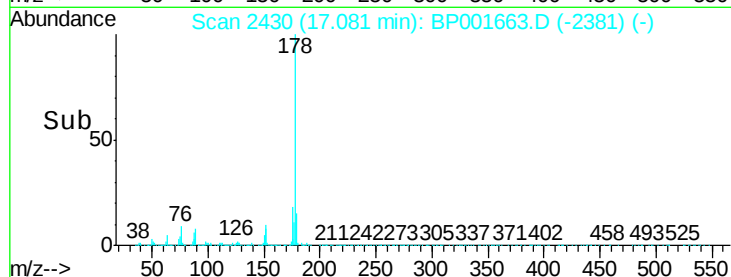
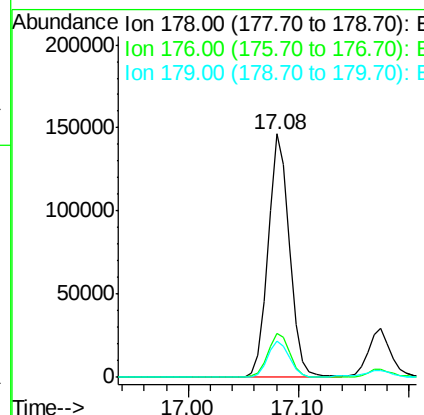
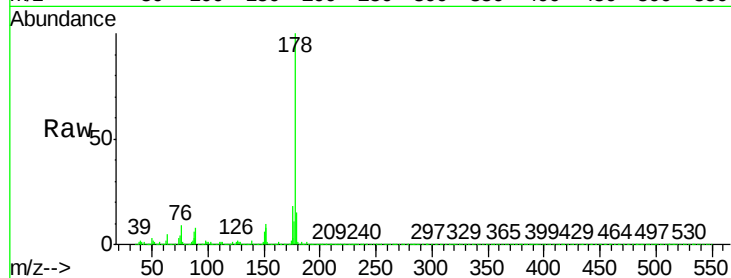
#71
Phenanthrene
Concen: 17.421 ng
RT: 17.08 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Instrument :
BNA_P
ClientSampleId :
OK-02-011620

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.9	22.3
179	14.9	12.5	18.7

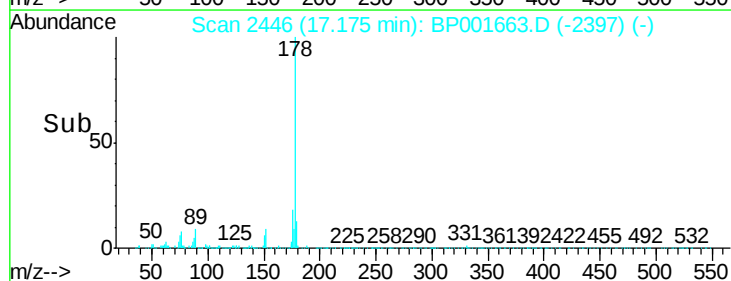
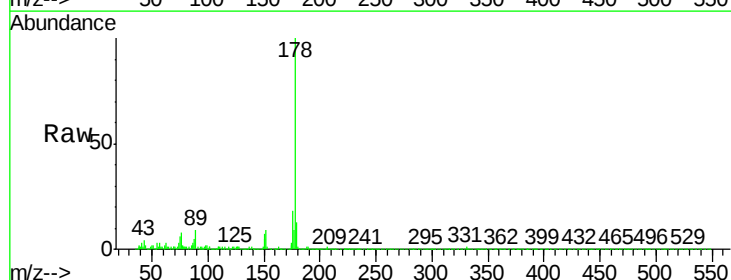
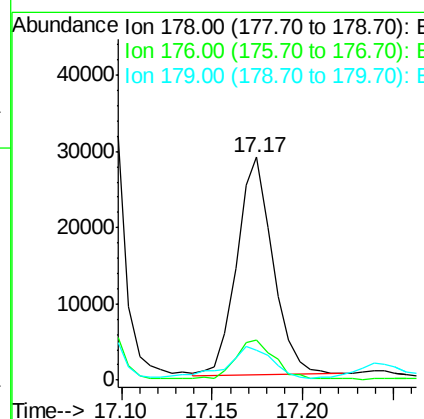
Manual Integrations
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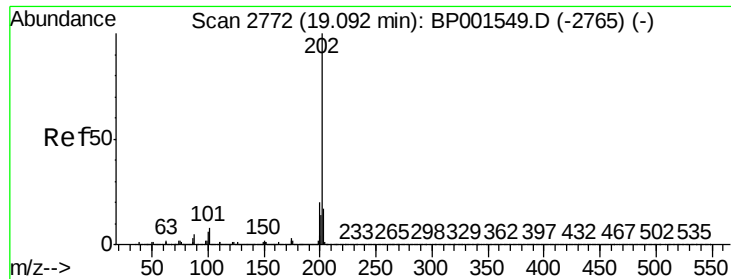
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#72
Anthracene
Concen: 3.545 ng
RT: 17.17 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.0	22.6
179	13.3	11.8	17.8





#75

Fluoranthene

Concen: 14.067 ng

RT: 19.06 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

Instrument :

BNA_P

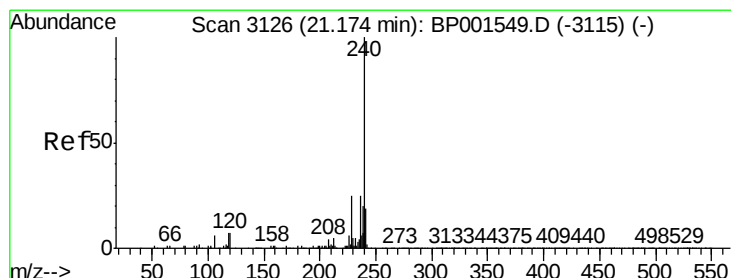
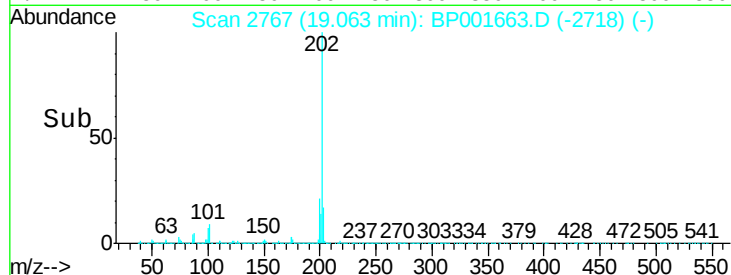
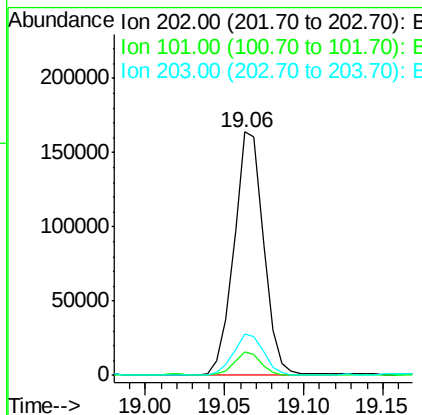
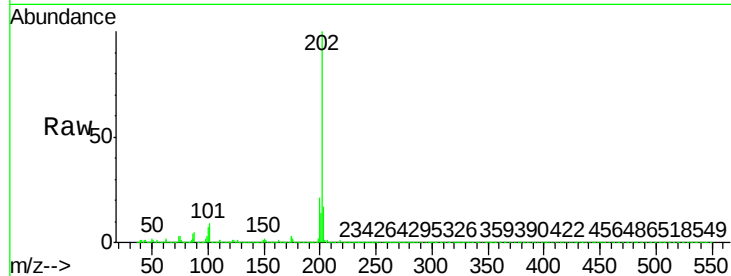
ClientSampleId :

OK-02-011620

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		212034		
101	9.4	0.0	28.4		
203	17.2	0.0	37.4		

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#76

Chrysene-d12

Concen: 20.000 ng

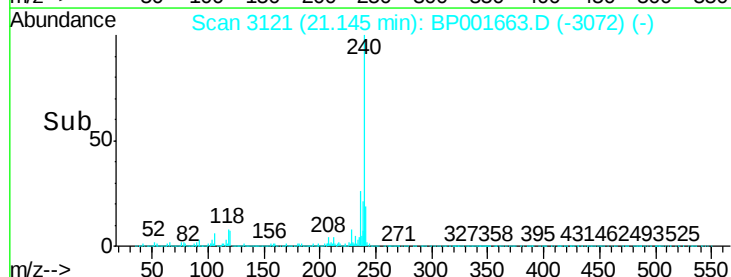
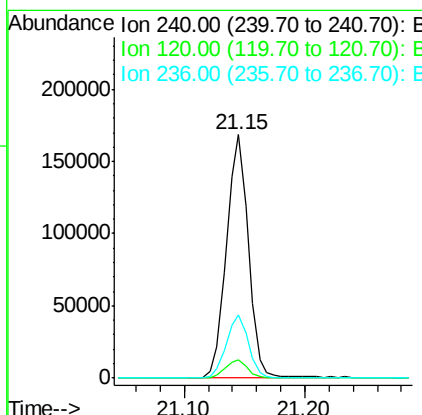
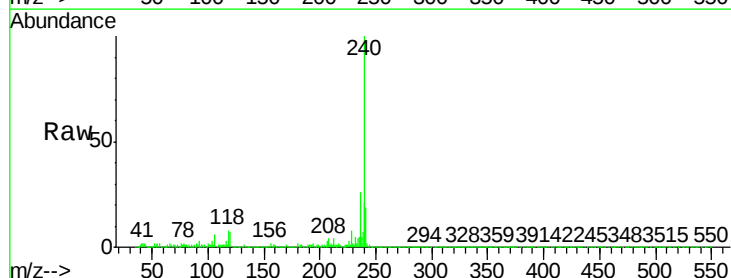
RT: 21.15 min Scan# 3121

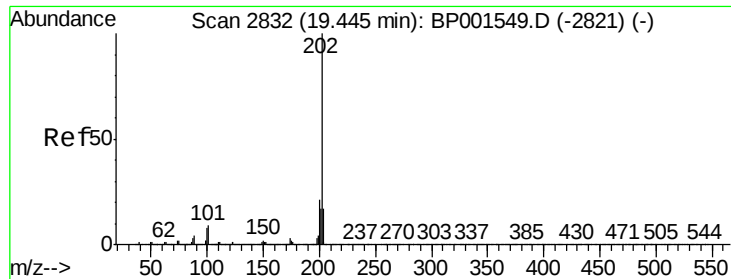
Delta R.T. -0.01 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		212287		
120	7.5	5.7	8.5		
236	26.0	20.4	30.6		





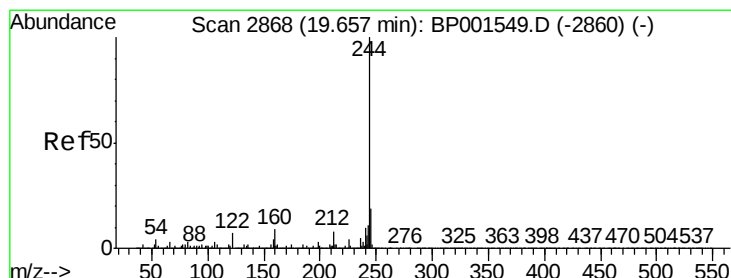
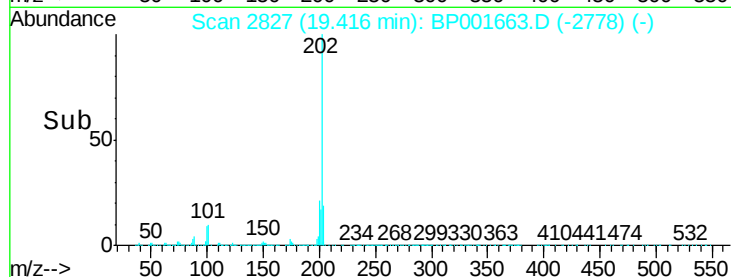
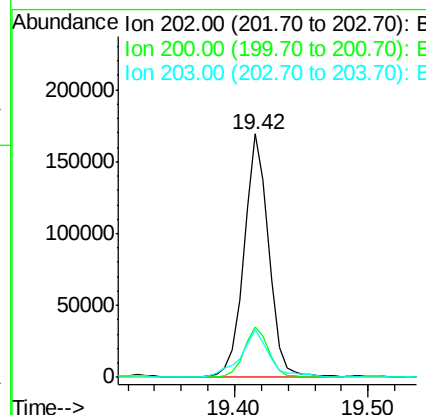
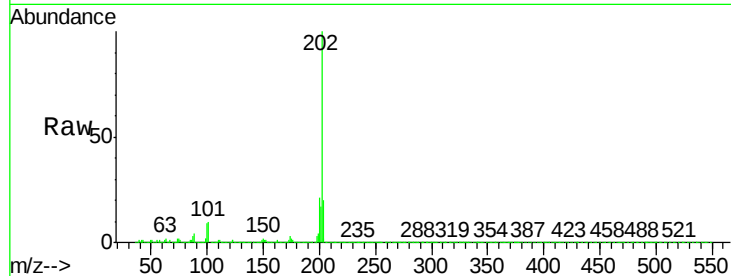
#78
Pvrene
Concen: 13.761 ng
RT: 19.42 min Scan# 2827
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Instrument :
BNA_P
ClientSampleId :
OK-02-011620

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.0	25.6
203	19.6	13.7	20.5

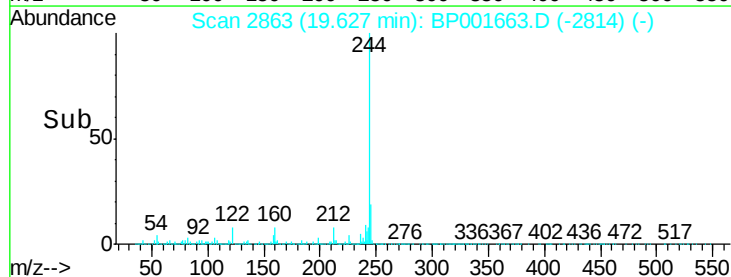
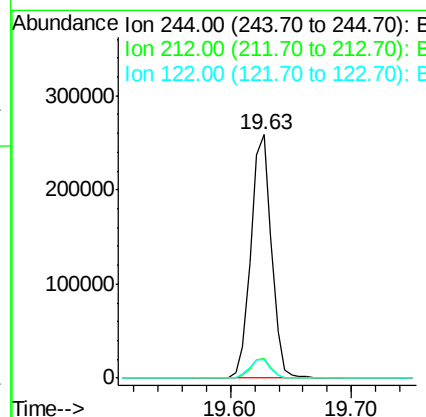
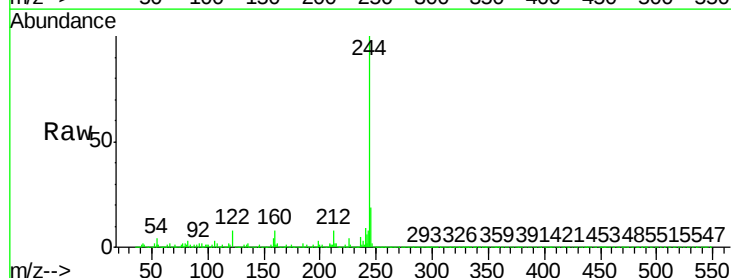
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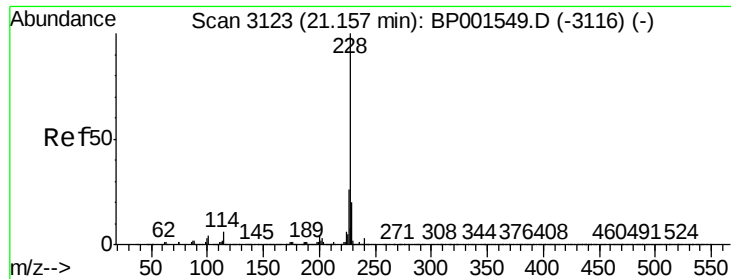
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#79
Terphenyl-d14
Concen: 26.627 ng
RT: 19.63 min Scan# 2863
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.0	6.3	9.5
122	7.6	5.8	8.6





#81

Benzo(a)anthracene

Concen: 6.372 ng

RT: 21.13 min Scan# 3118

Delta R.T. -0.01 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

Instrument :

BNA_P

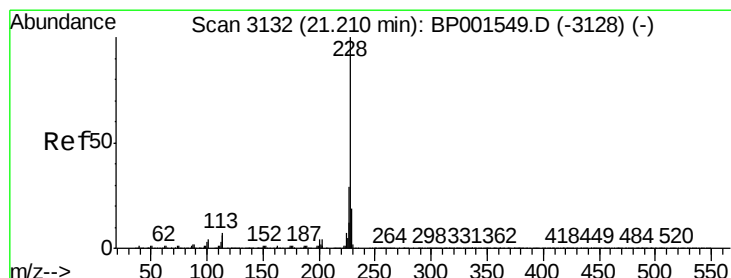
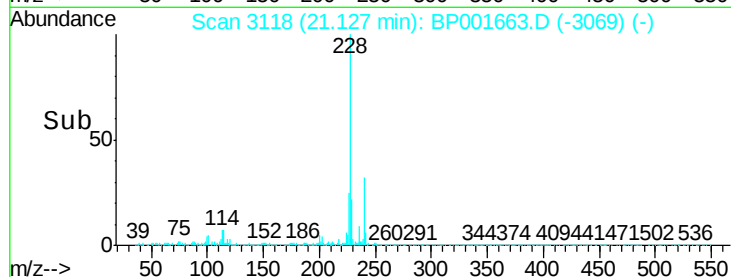
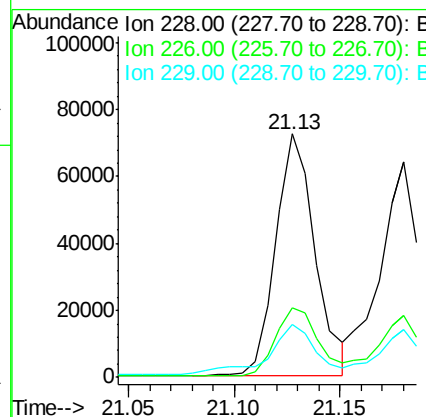
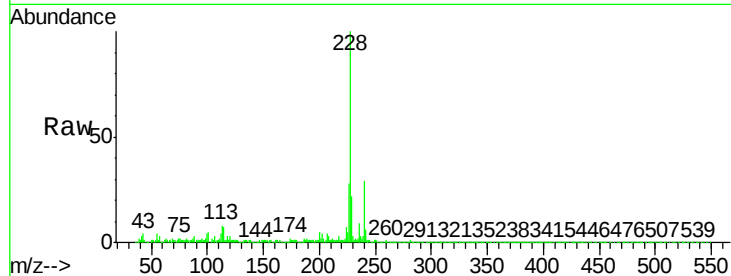
ClientSampleId :

OK-02-011620

Tot Ion:	228	Resp:	94201
Ion Ratio	Lower	Upper	
228	100		
226	28.3	21.2	31.8
229	21.8	16.1	24.1

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#83

Chrysene

Concen: 5.926 ng

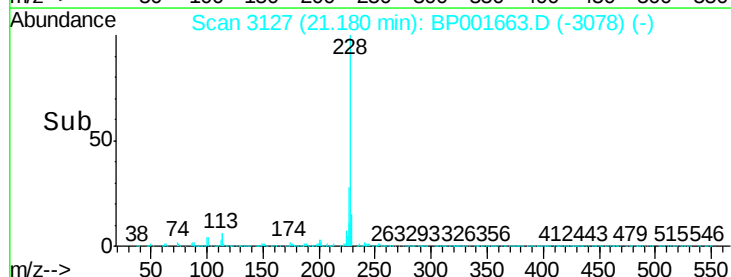
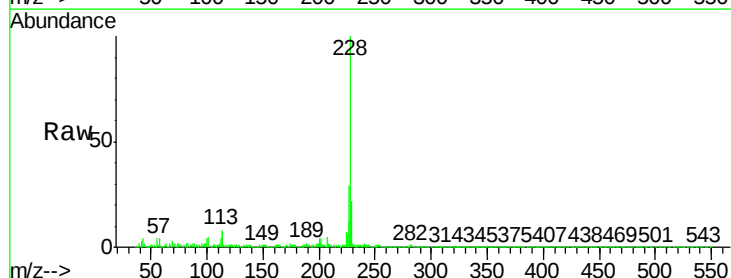
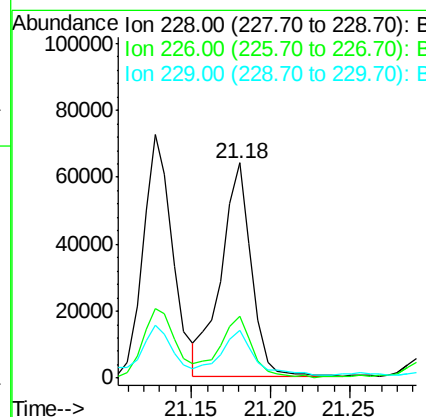
RT: 21.18 min Scan# 3127

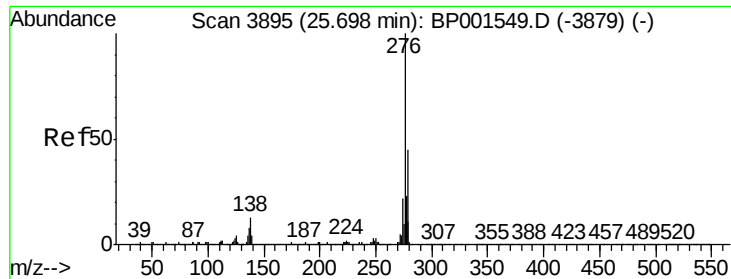
Delta R.T. -0.01 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

Tgt Ion:	228	Resp:	85382
Ion Ratio	Lower	Upper	
228	100		
226	28.7	23.2	34.8
229	22.3	15.2	22.8





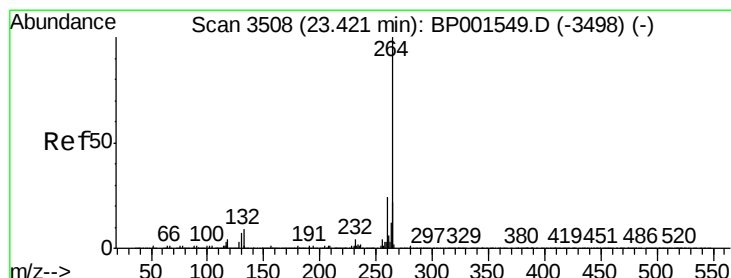
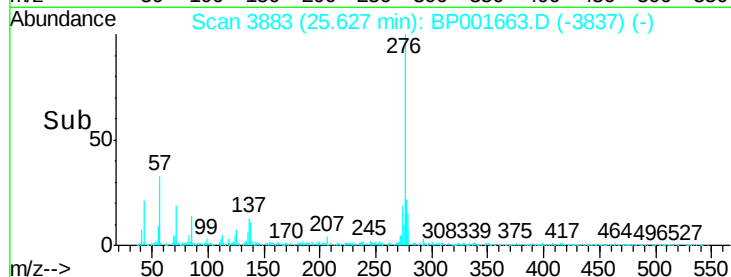
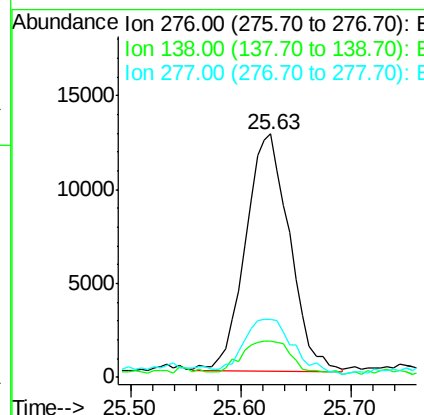
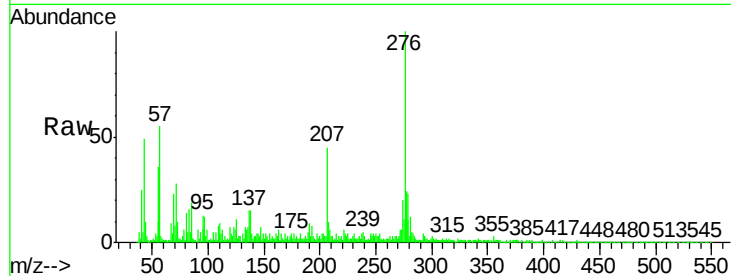
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.084 ng
RT: 25.63 min Scan# 3883
Delta R.T. -0.03 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Instrument :
BNA_P
ClientSampleId :
OK-02-011620

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.1	11.1	16.7
277	25.7	20.4	30.6

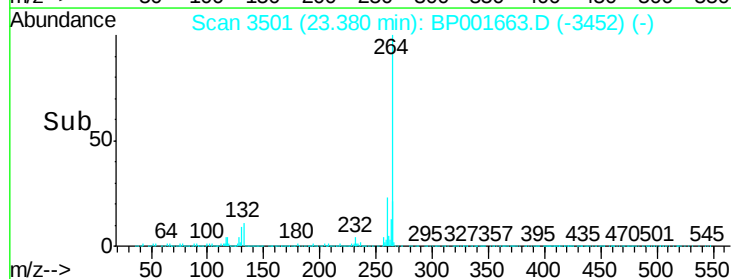
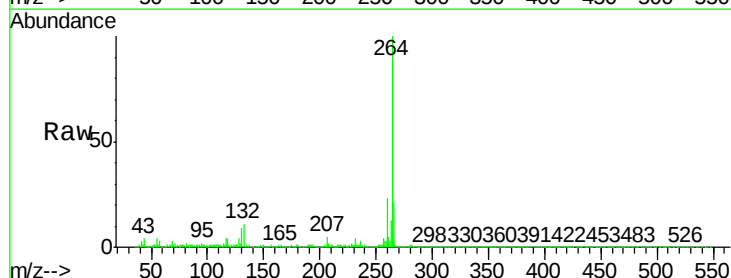
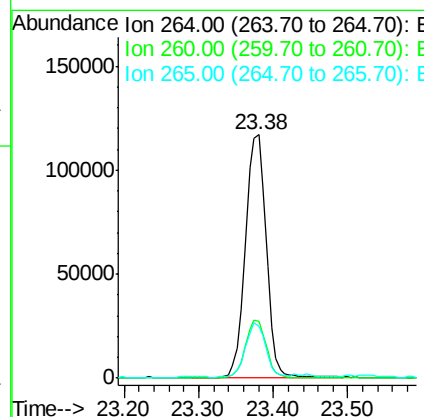
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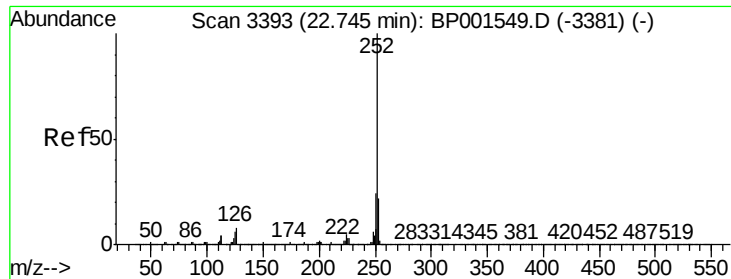
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3501
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.6
265	21.3	18.2	27.4





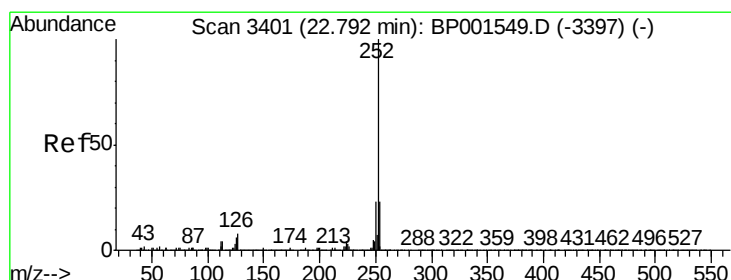
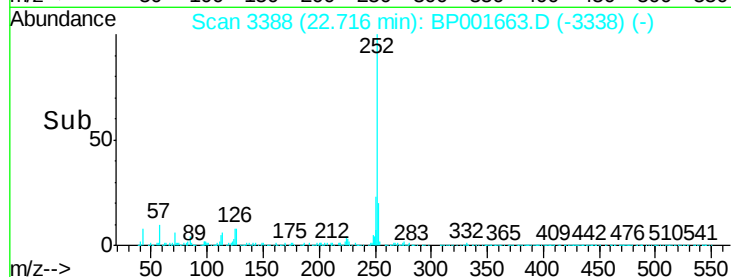
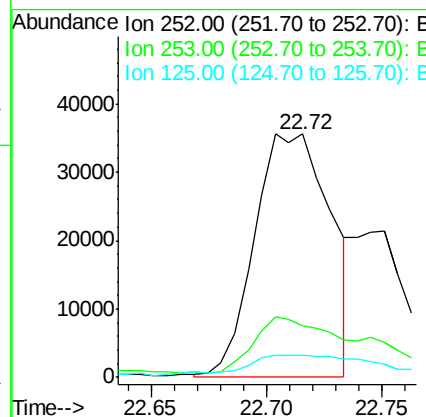
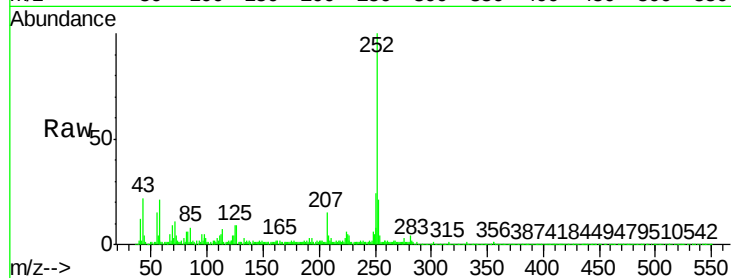
#88
Benzo(b)fluoranthene
Concen: 5.725 ng m
RT: 22.72 min Scan# 3388
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Instrument :
BNA_P
ClientSampleId :
OK-02-011620

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	9.3	4.6	7.0

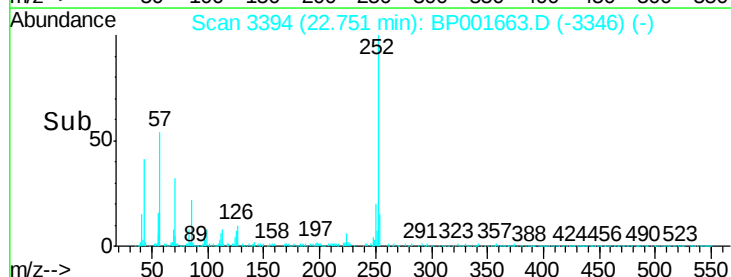
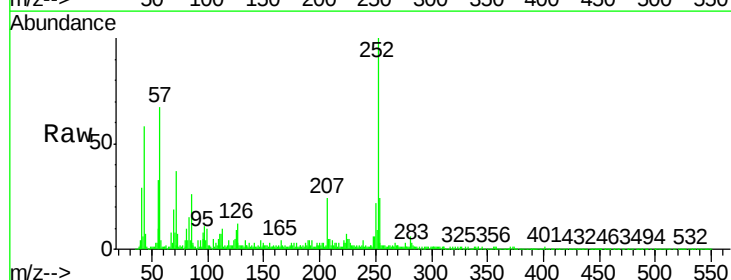
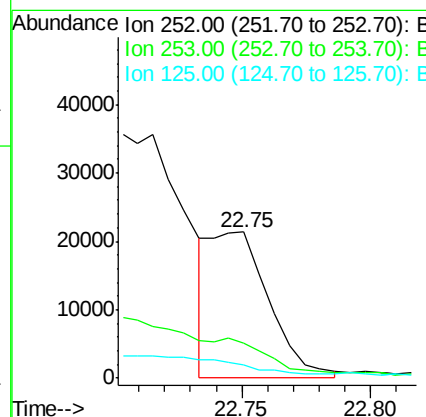
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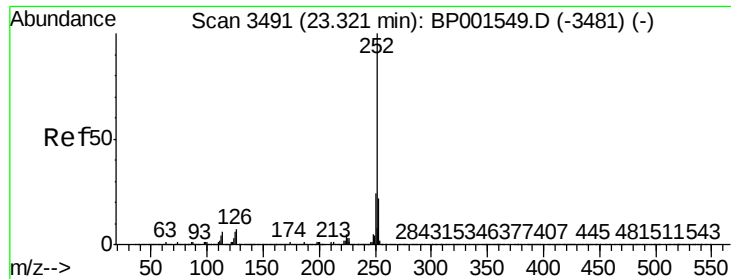
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#89
Benzo(k)fluoranthene
Concen: 2.456 ng m
RT: 22.75 min Scan# 3394
Delta R.T. -0.02 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	9.4	4.6	6.8





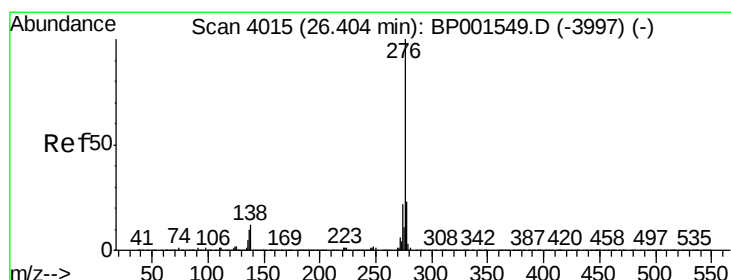
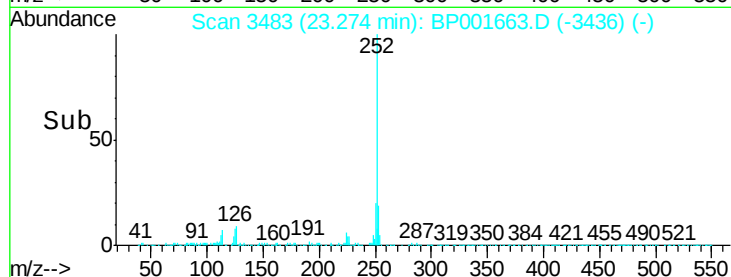
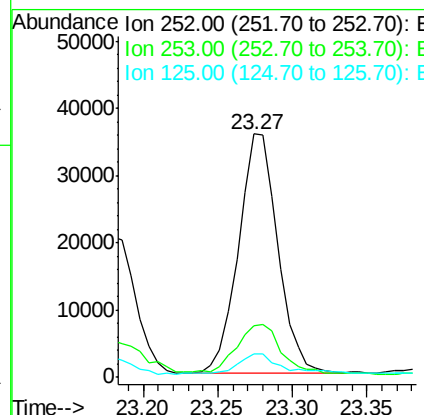
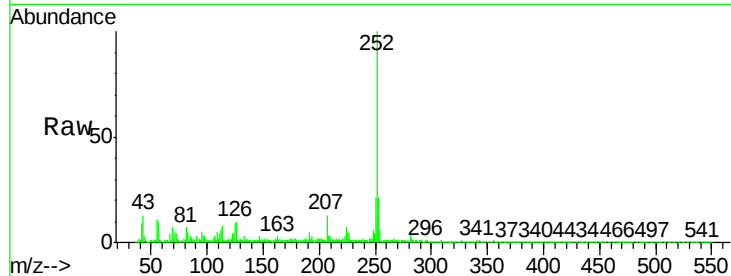
#90
Benzo(a)pyrene
Concen: 4.829 ng
RT: 23.27 min Scan# 3483
Delta R.T. -0.02 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Instrument :
BNA_P
ClientSampleId :
OK-02-011620

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	9.5	5.0	7.4

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#92
Benzo(g,h,i)perylene
Concen: 2.398 ng
RT: 26.31 min Scan# 3999
Delta R.T. -0.03 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.6	28.0
138	15.3	9.4	14.2

