

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
 Data File : BP001640.D
 Acq On : 16 Jan 2020 22:04
 Operator : JU
 Sample : L1148-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-27-(4-6)

Manual Integrations
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Quant Time: Jan 17 05:05:17 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	40692	20.00	ng	-0.01
21) Naphthalene-d8	10.40	136	151130	20.00	ng	-0.01
39) Acenaphthene-d10	14.28	164	107434	20.00	ng	0.00
64) Phenanthrene-d10	17.04	188	234515	20.00	ng	-0.01
76) Chrysene-d12	21.14	240	198832	20.00	ng	-0.01
87) Perylene-d12	23.37	264	198716	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	200075	96.32	ng	0.00
7) Phenol-d6	6.83	99	300931	90.64	ng	0.00
23) Nitrobenzene-d5	8.77	82	211321	61.10	ng	-0.01
42) 2,4,6-Tribromophenol	15.78	330	125183	76.55	ng	-0.01
45) 2-Fluorobiphenyl	12.89	172	431016	58.99	ng	-0.01
79) Terphenyl-d14	19.63	244	643961	59.24	ng	-0.01
Target Compounds						
10) Phenol	6.85	94	8066	2.349	ng	Qvalue # 62
31) Naphthalene	10.45	128	32699	4.100	ng	96
37) 2-Methylnaphthalene	12.07	142	13926	2.191	ng	# 51
49) Acenaphthylene	13.99	152	126322	12.801	ng	99
50) Dimethylphthalate	13.74	163	41008	4.634	ng	# 96
52) Acenaphthene	14.34	154	145259	23.768	ng	98
55) Dibenzofuran	14.68	168	208486	20.174	ng	99
58) Fluorene	15.33	166	264546	31.634	ng	98
71) Phenanthrene	17.09	178	1422827	111.563	ng	99
72) Anthracene	17.17	178	248564	20.020	ng	99
73) Carbazole	17.45	167	102759	8.816	ng	99
75) Fluoranthene	19.07	202	1015705	60.525	ng	99
78) Pvrene	19.42	202	833320	57.054	ng	99
81) Benzo(a)anthracene	21.13	228	346096m	24.994	ng	
83) Chrysene	21.18	228	337322	24.996	ng	96
86) Indeno(1,2,3-cd)pyrene	25.62	276	177174	11.216	ng	98
88) Benzo(b)fluoranthene	22.71	252	368210m	29.405	ng	
89) Benzo(k)fluoranthene	22.74	252	119364m	9.777	ng	
90) Benzo(a)pvrene	23.28	252	257873	21.689	ng	99
91) Dibenzo(a,h)anthracene	25.64	278	47666	3.886	ng	# 94
92) Benzo(g,h,i)perylene	26.32	276	186584	15.300	ng	97

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

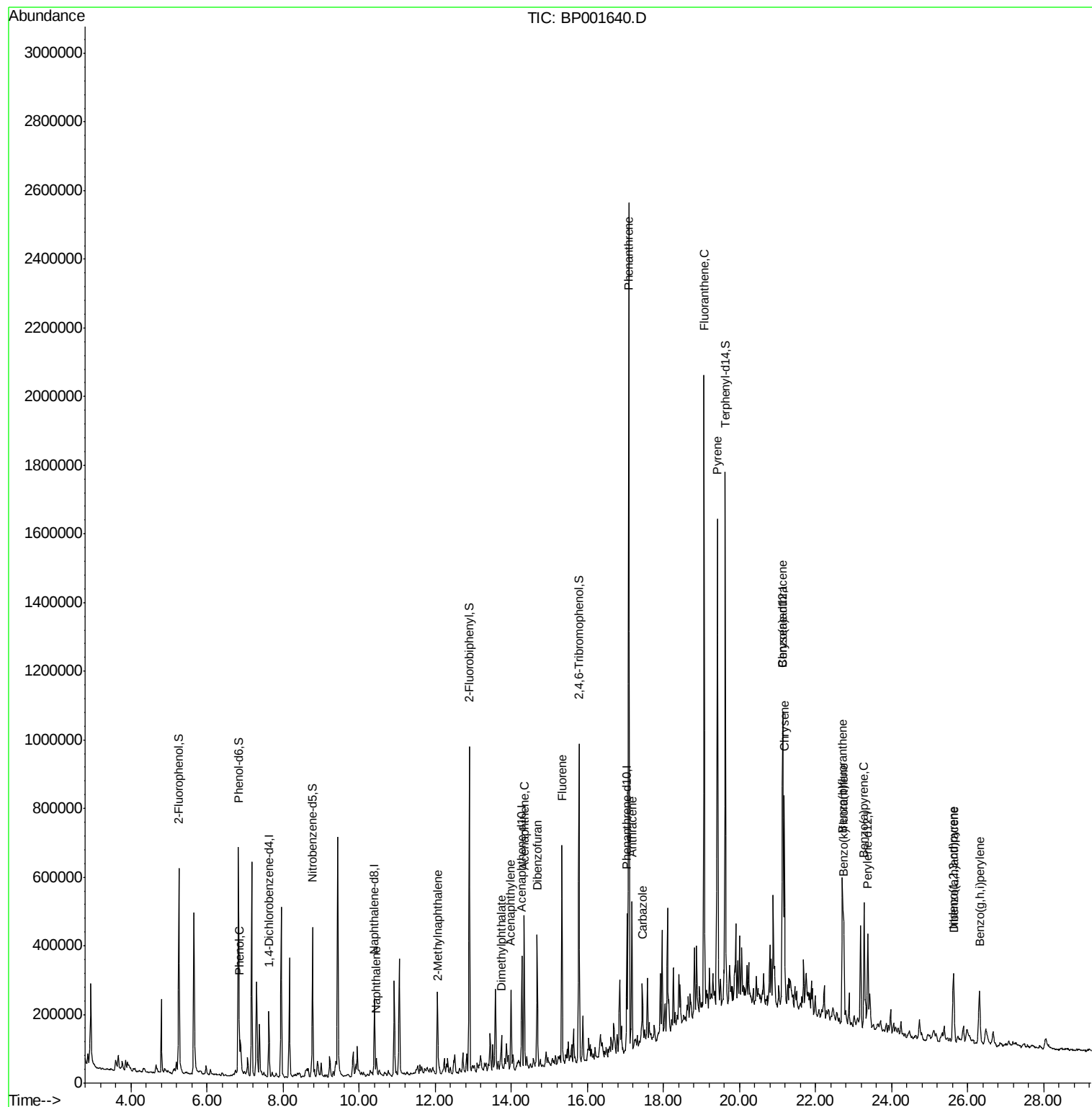
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

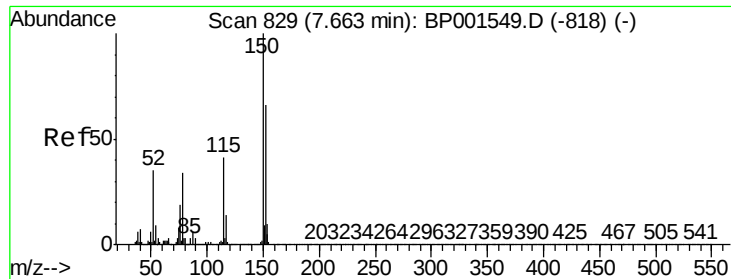
Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)

Quant Time: Jan 17 05:05:17 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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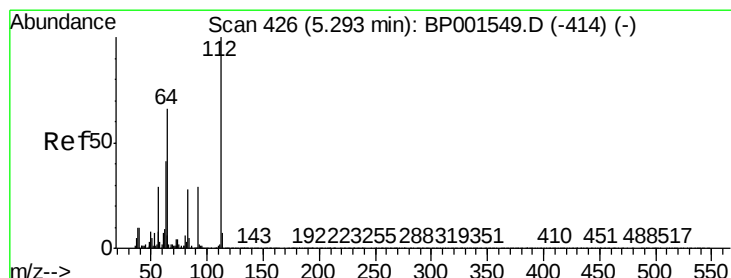
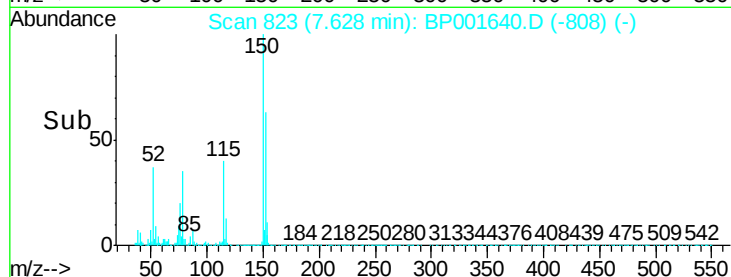
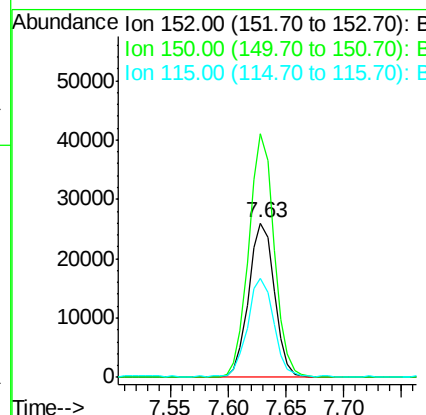
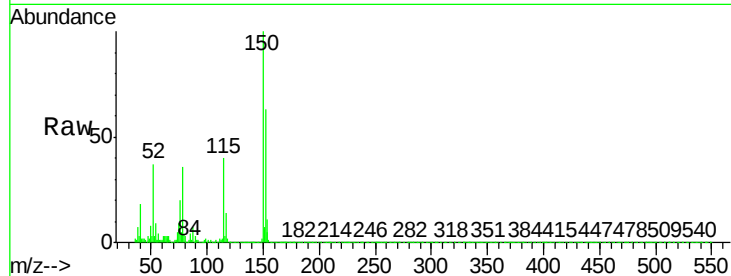
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 823
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Instrument :
BNA_P
ClientSampled :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	122.0	183.0
115	63.7	50.7	76.1

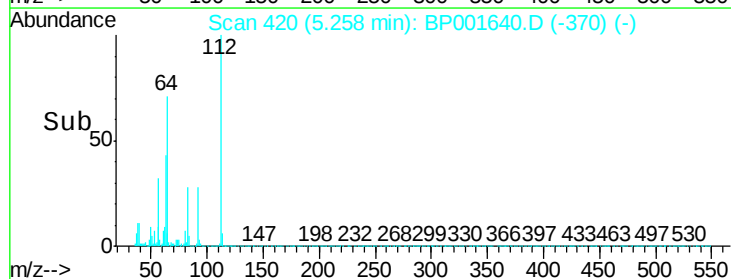
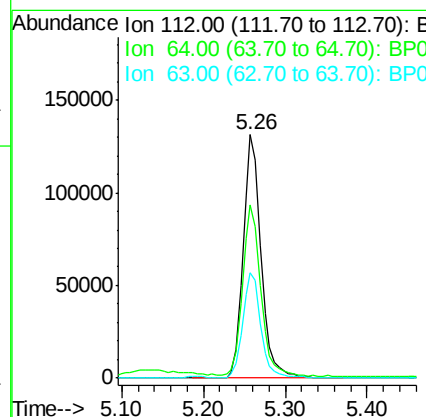
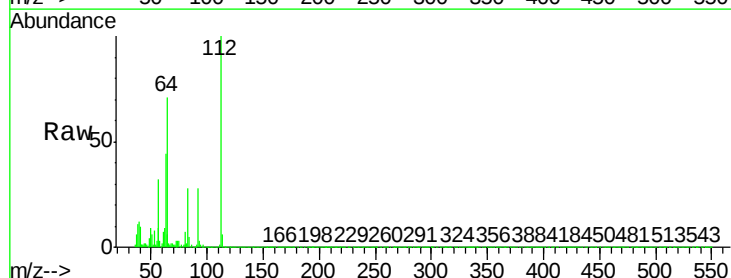
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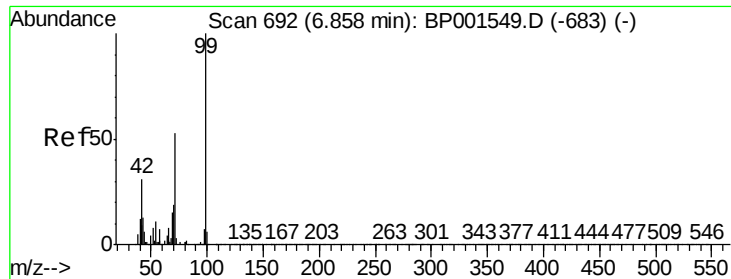
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#5
2-Fluorophenol
Concen: 96.315 ng
RT: 5.26 min Scan# 420
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.3	52.8	79.2
63	43.5	33.1	49.7





#7

Phenol-d6

Concen: 90.644 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001640.D

Acq: 16 Jan 2020 22:04

Instrument :

BNA_P

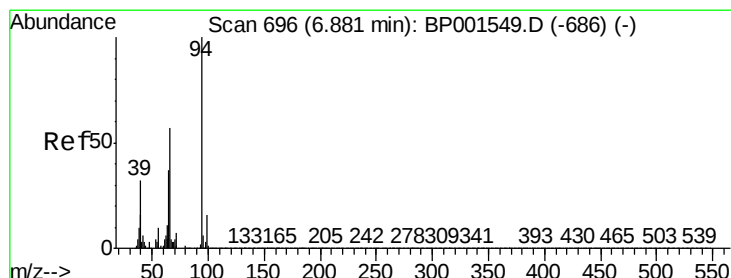
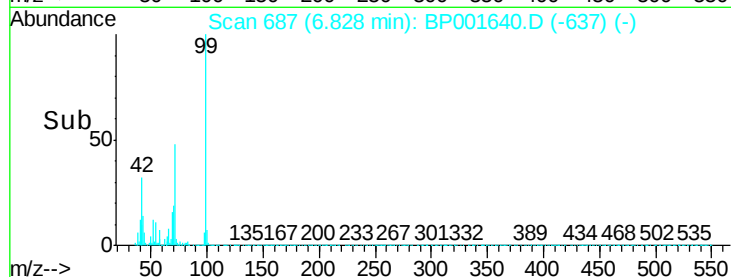
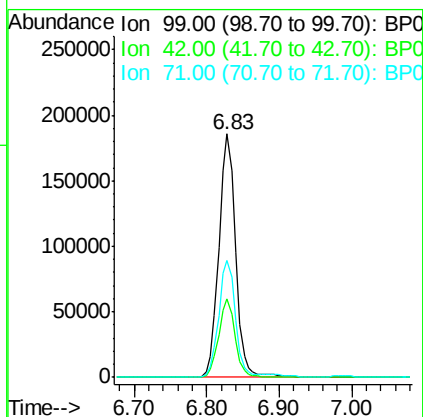
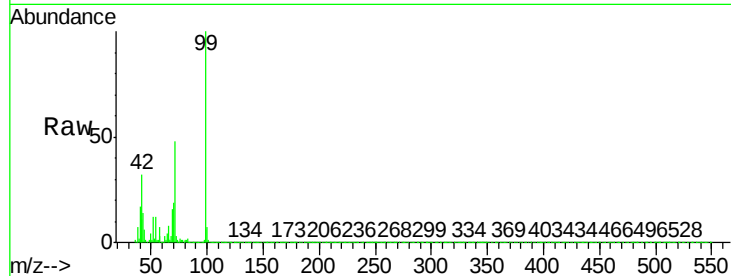
ClientSampled :

SB-27-(4-6)

Tot Ion:	99	Resp:	300931
Ion Ratio	Lower	Upper	
99	100		
42	32.3	24.5	36.7
71	47.8	42.4	63.6

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#10

Phenol

Concen: 2.349 ng

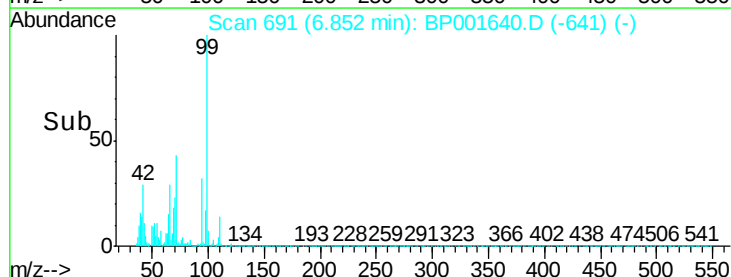
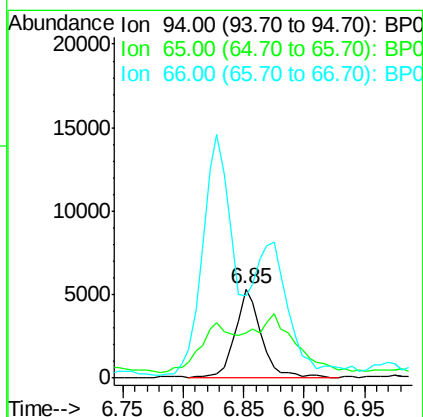
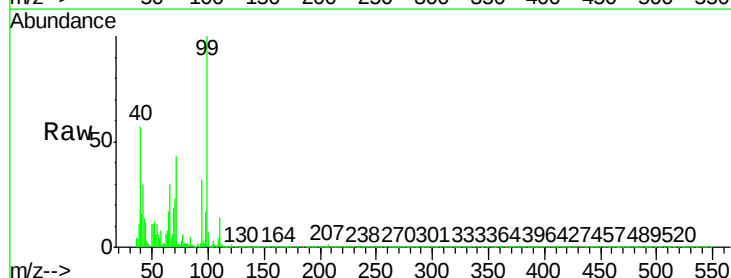
RT: 6.85 min Scan# 691

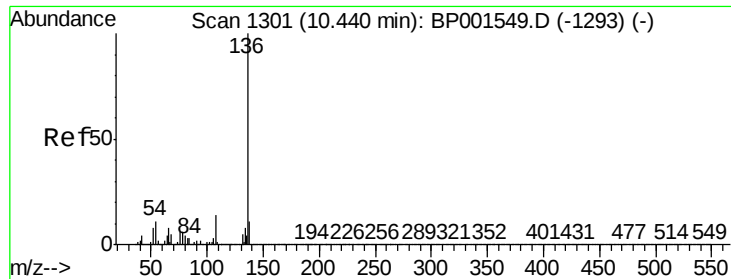
Delta R.T. -0.01 min

Lab File: BP001640.D

Acq: 16 Jan 2020 22:04

Tgt Ion:	94	Resp:	8066
Ion Ratio	Lower	Upper	
94	100		
65	51.2	17.5	57.5
66	92.1	36.7	76.7#





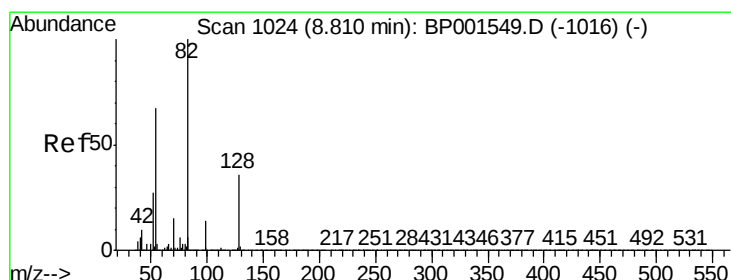
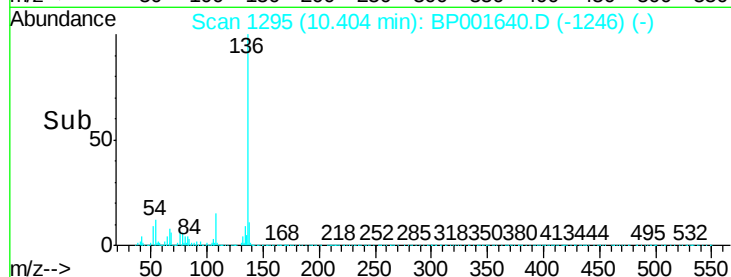
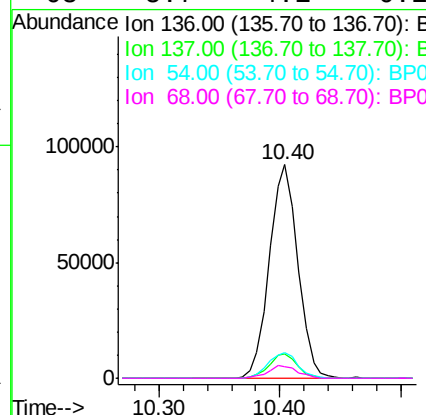
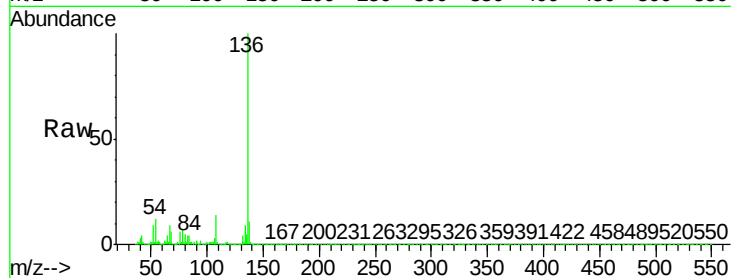
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.4	8.6	12.8
54	12.2	9.2	13.8
68	5.7	4.1	6.1

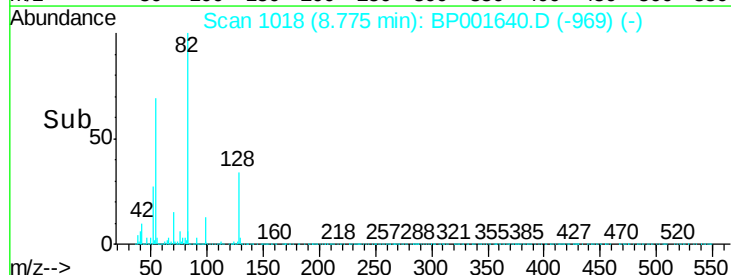
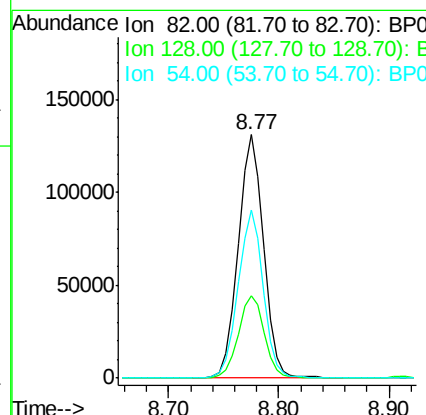
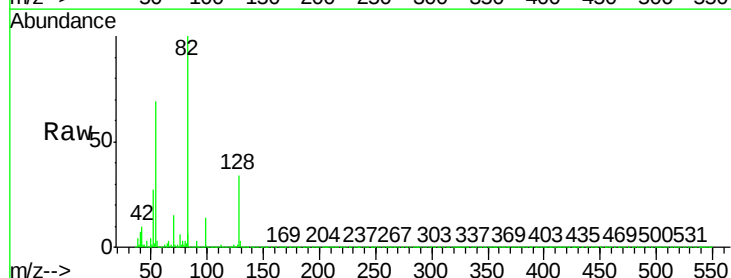
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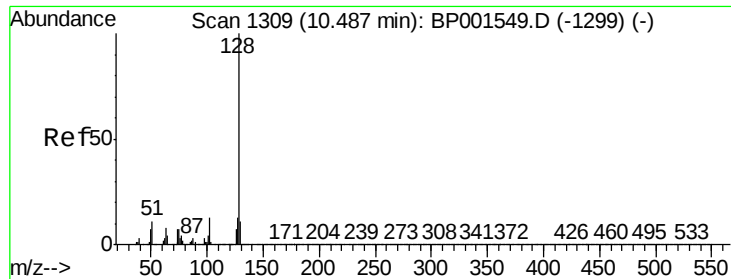
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#23
Nitrobenzene-d5
Concen: 61.101 ng
RT: 8.77 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	33.8	28.4	42.6
54	69.2	53.4	80.2





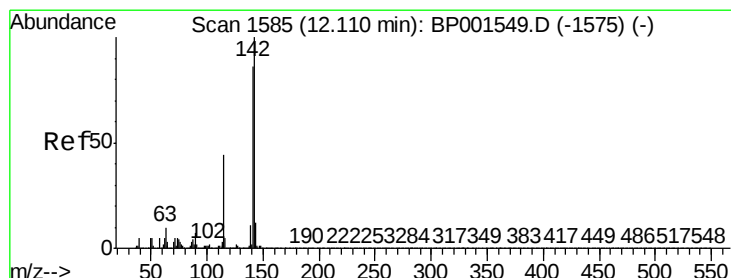
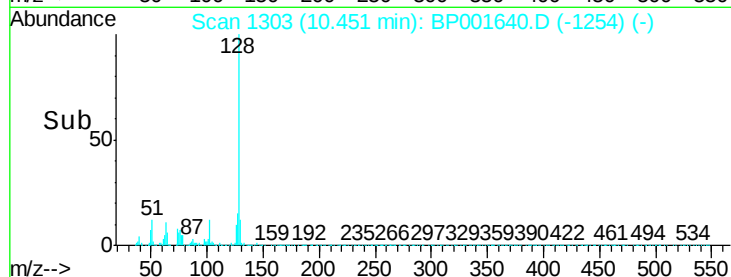
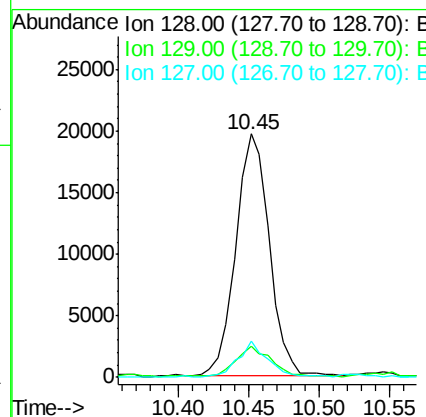
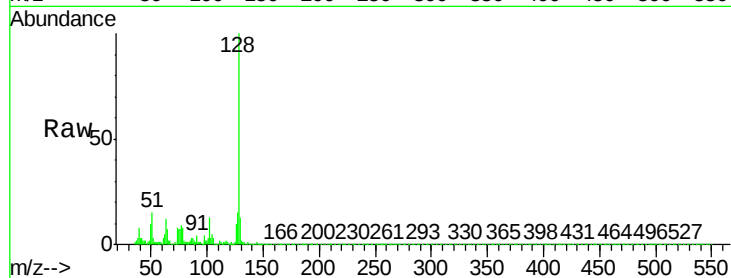
#31
Naphthalene
Concen: 4.100 ng
RT: 10.45 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.6	8.9	13.3
127	14.8	10.6	16.0

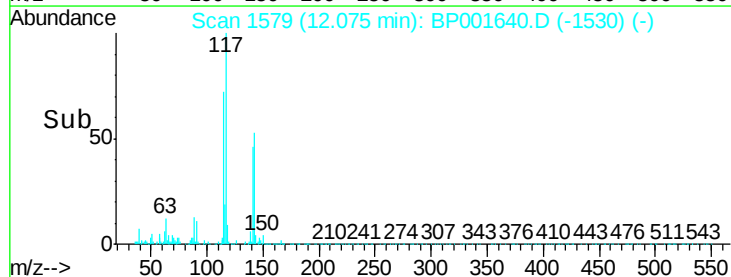
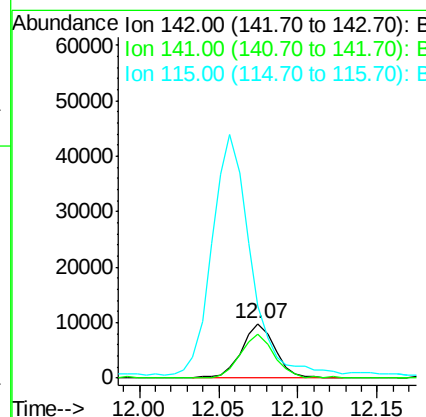
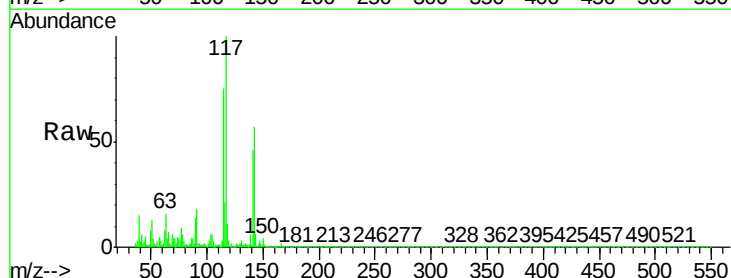
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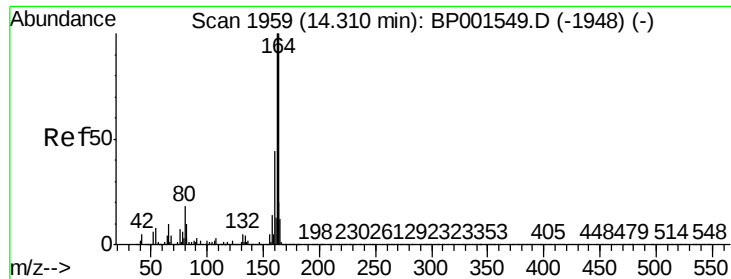
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#37
2-Methylnaphthalene
Concen: 2.191 ng
RT: 12.07 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.5	68.4	102.6
115	132.3	35.1	52.7#





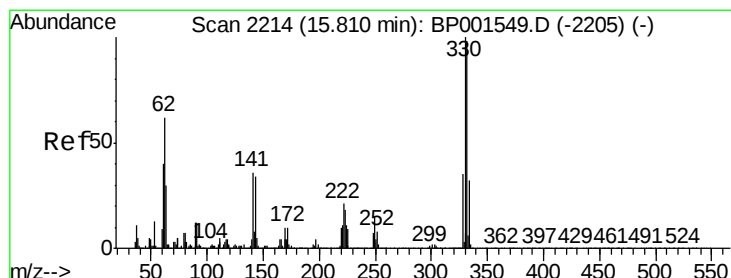
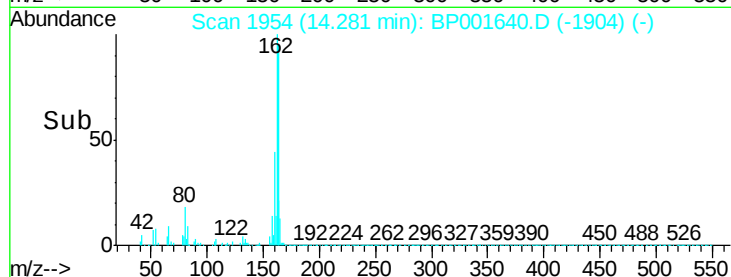
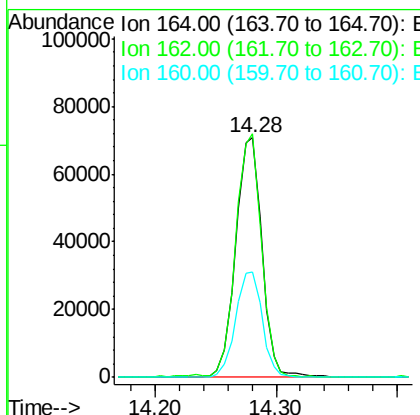
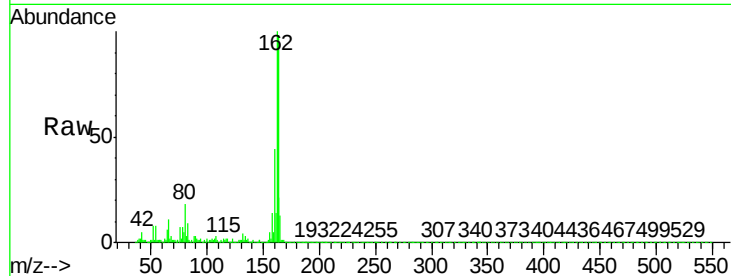
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.28 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	79.8	119.6
160	44.3	35.0	52.6

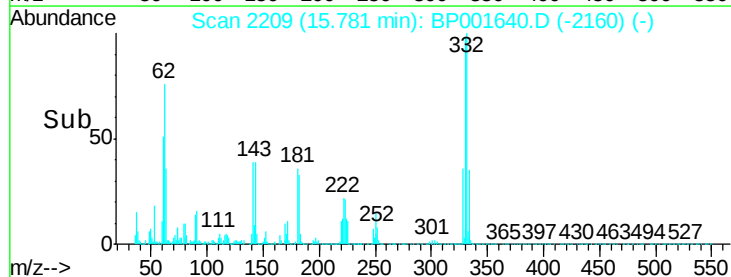
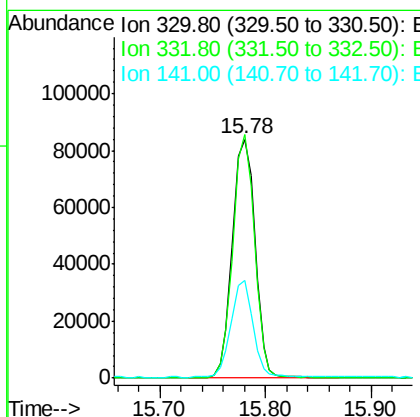
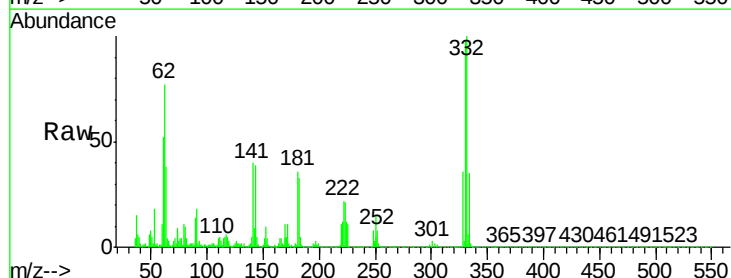
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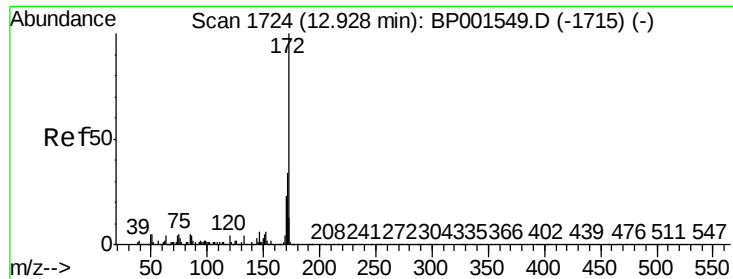
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#42
2,4,6-Tribromophenol
Concen: 76.548 ng
RT: 15.78 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.8	116.6
141	39.9	28.7	43.1





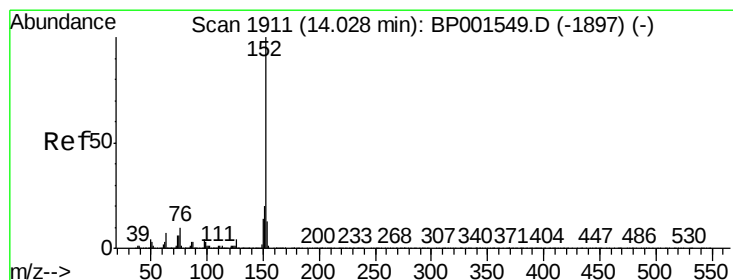
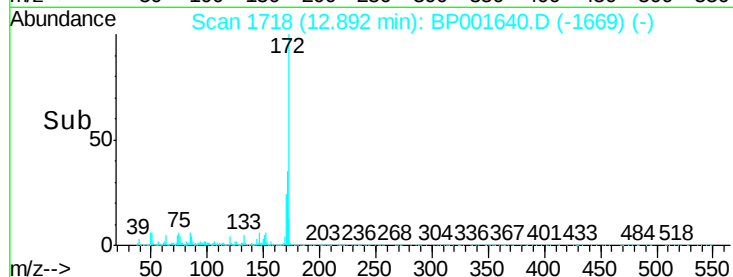
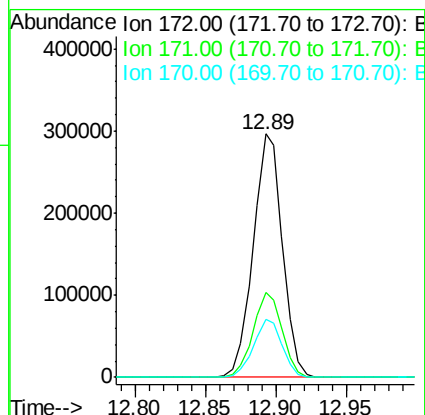
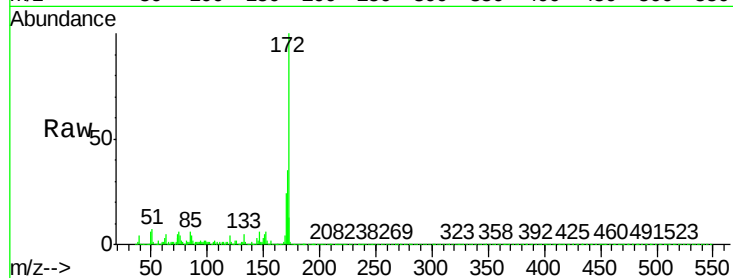
#45
2-Fluorobiphenyl
Concen: 58.986 ng
RT: 12.89 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Instrument :
BNA_P
ClientSampled :
SB-27-(4-6)

Tot Ion:	172	Resp:	431016
Ion Ratio	Lower	Upper	
172	100		
171	34.9	27.6	41.4
170	23.7	18.3	27.5

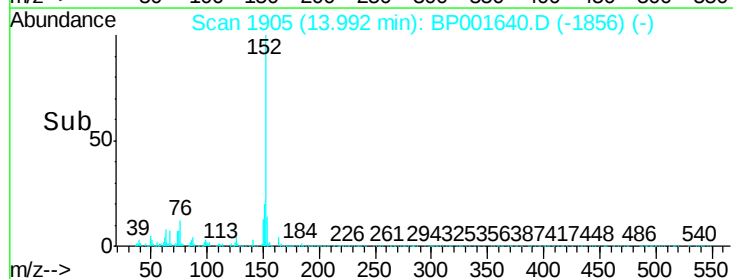
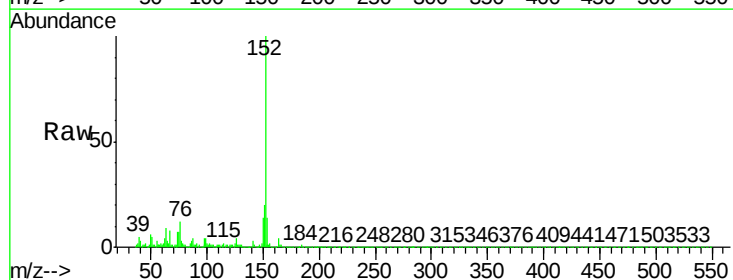
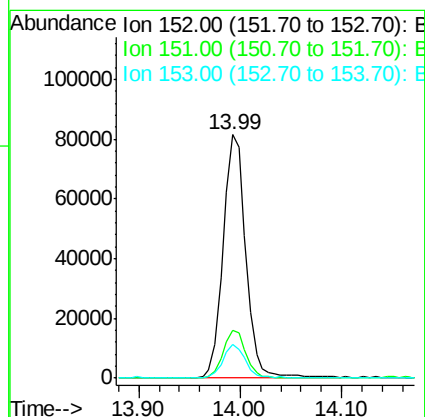
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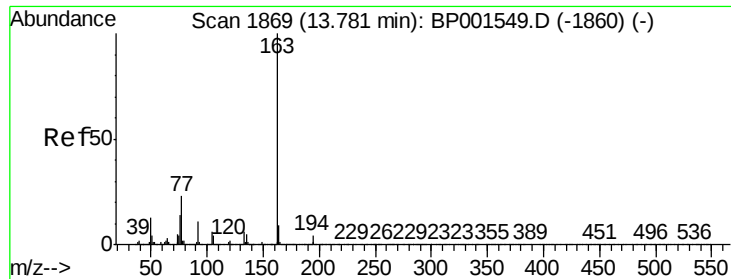
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#49
Acenaphthylene
Concen: 12.801 ng
RT: 13.99 min Scan# 1905
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Tgt Ion:	152	Resp:	126322
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.9	23.9
153	14.0	10.4	15.6





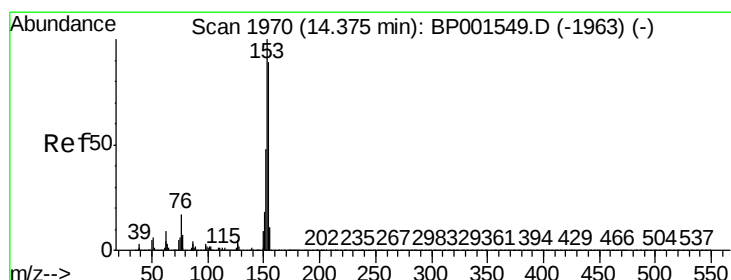
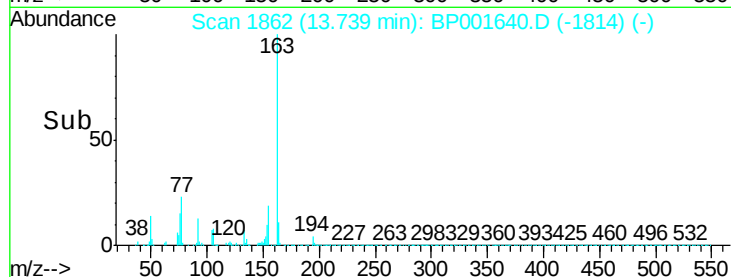
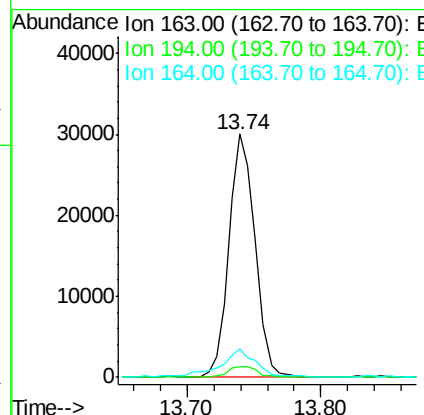
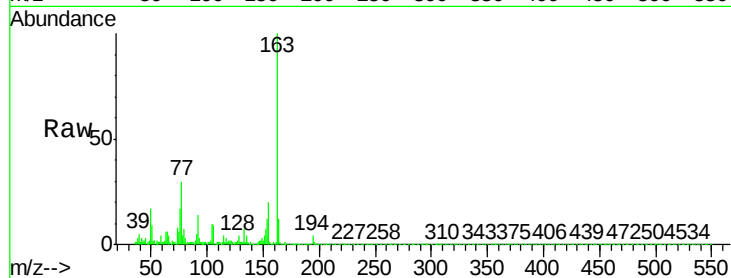
#50
Dimethylphthalate
Concen: 4.634 ng
RT: 13.74 min Scan# 1862
Delta R.T. -0.02 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.6	5.4
164	11.5	7.5	11.3

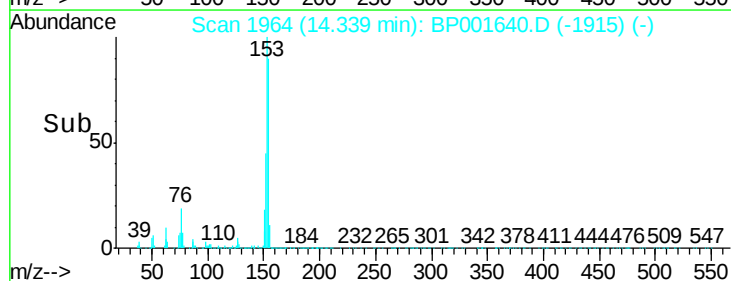
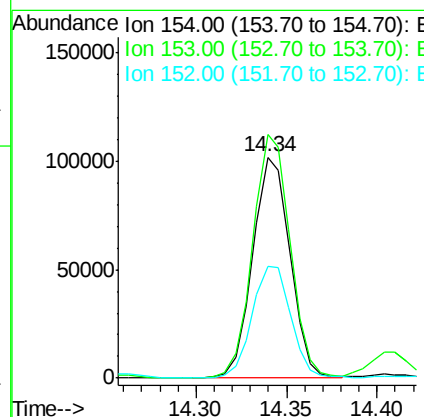
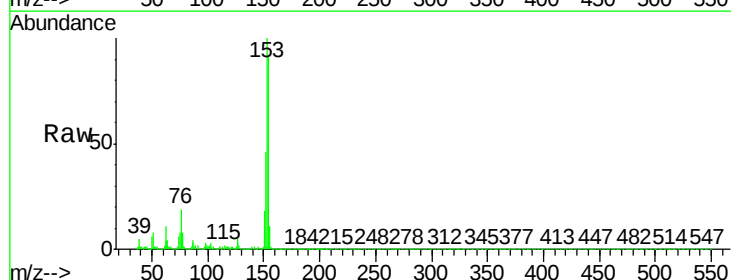
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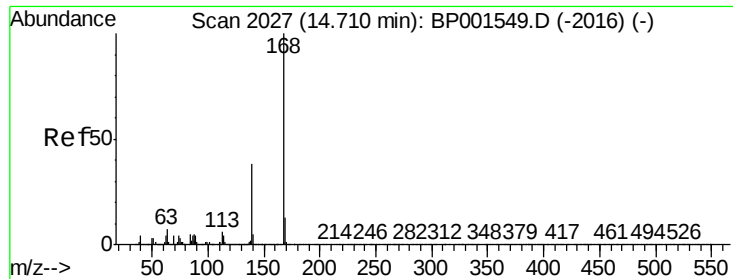
mohammad
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#52
Acenaphthene
Concen: 23.768 ng
RT: 14.34 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.4	134.2
152	50.5	42.6	64.0





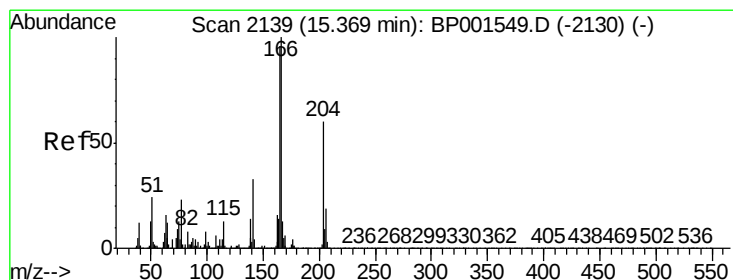
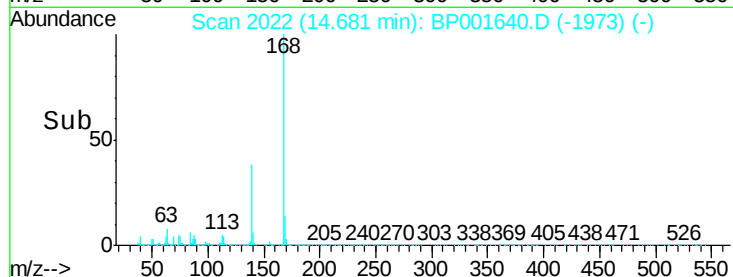
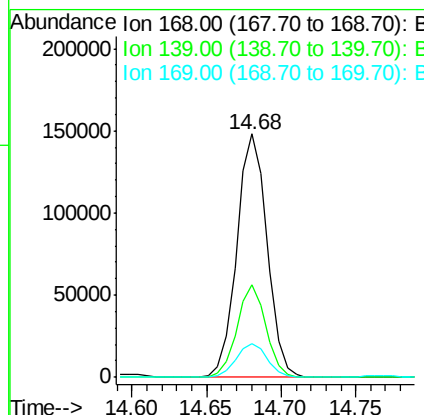
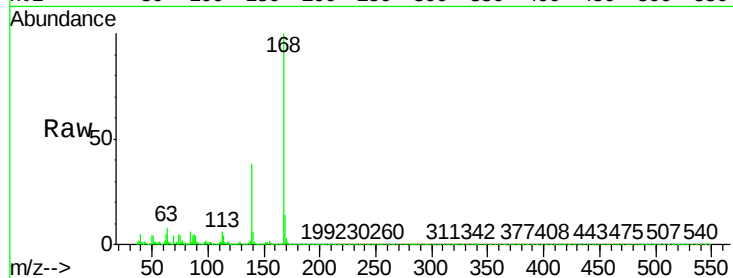
#55
Dibenzenofuran
Concen: 20.174 ng
RT: 14.68 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.2	45.4
169	13.7	10.6	16.0

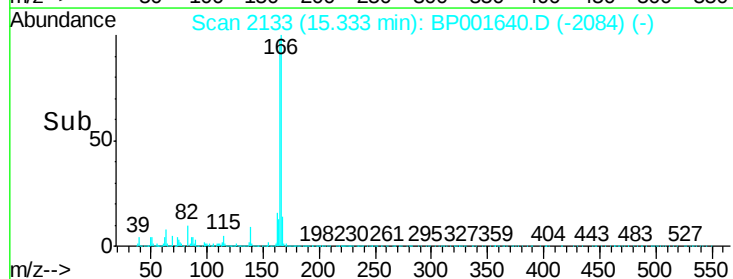
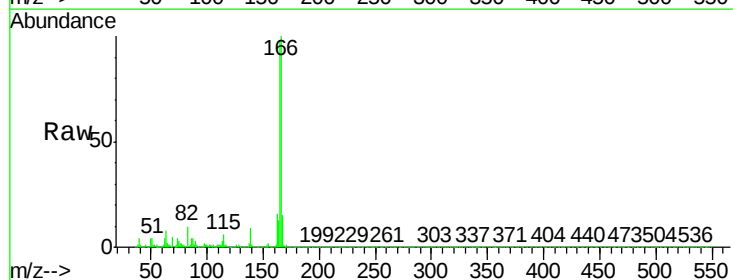
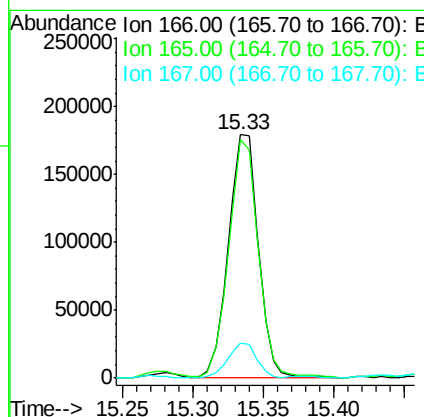
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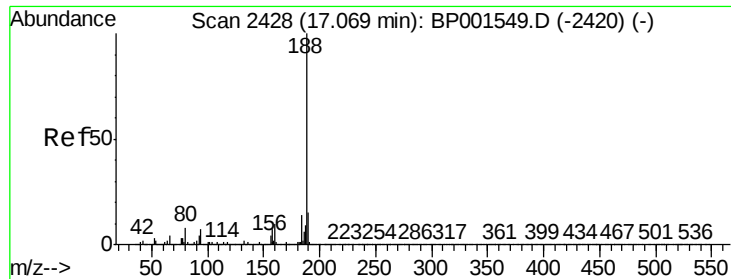
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#58
Fluorene
Concen: 31.634 ng
RT: 15.33 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	76.9	115.3
167	14.5	10.3	15.5





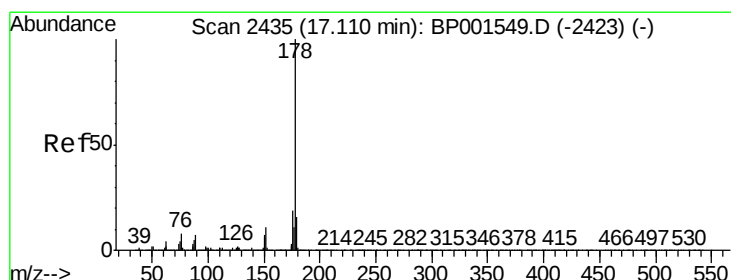
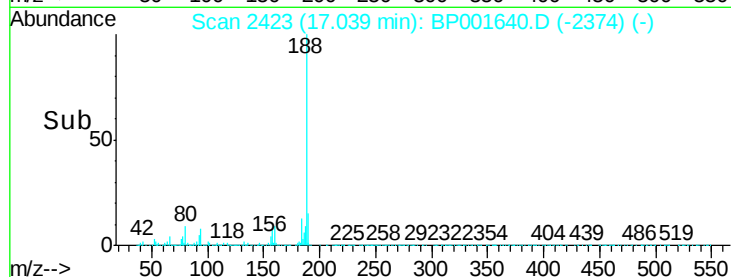
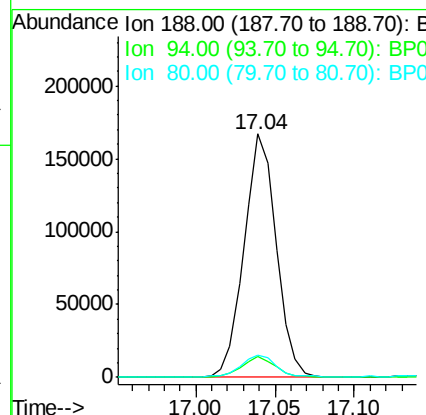
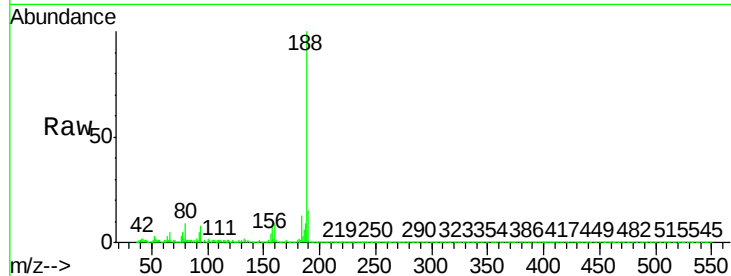
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.04 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)

Tot Ion:	188	Resp:	234515
Ion Ratio	Lower	Upper	
188	100		
94	8.4	5.9	8.9
80	9.3	6.8	10.2

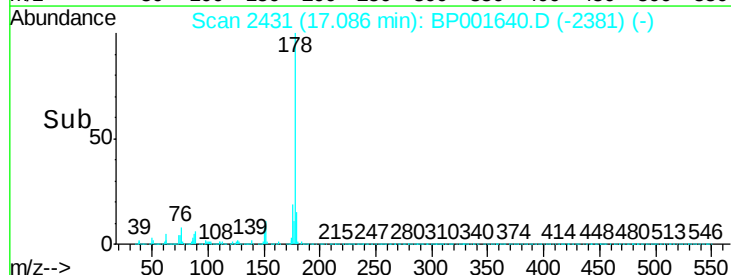
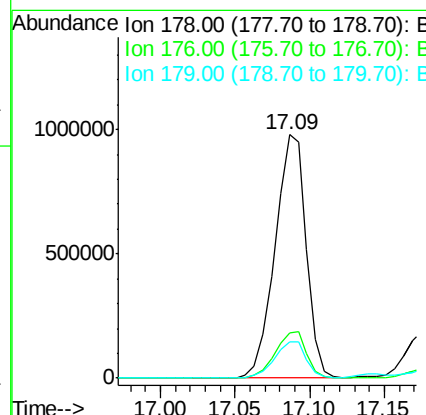
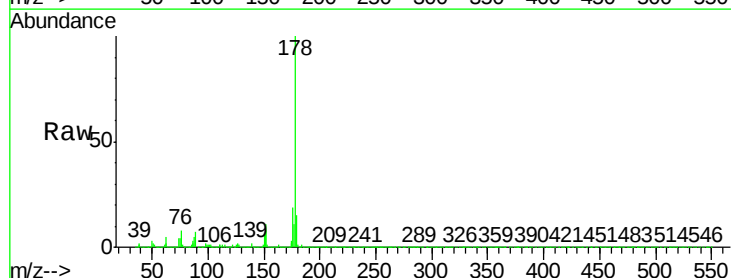
Manual Integrations
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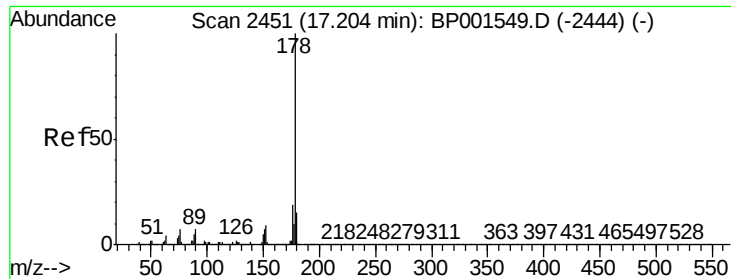
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#71
Phenanthrene
Concen: 111.563 ng
RT: 17.09 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Tgt Ion:	178	Resp:	1422827
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	15.1	12.5	18.7





#72

Anthracene

Concen: 20.020 ng

RT: 17.17 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BP001640.D

Acq: 16 Jan 2020 22:04

Instrument :

BNA_P

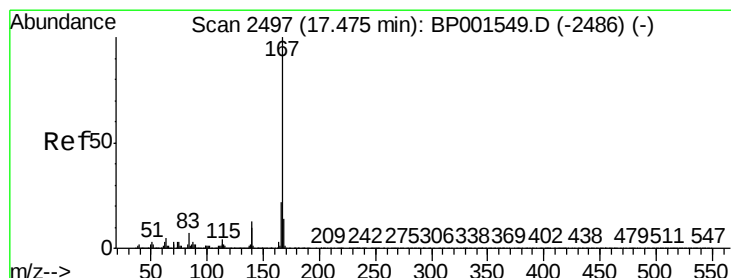
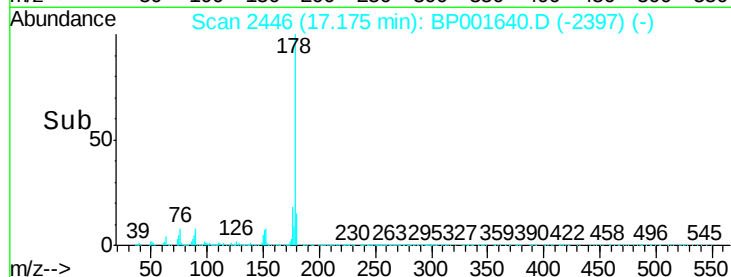
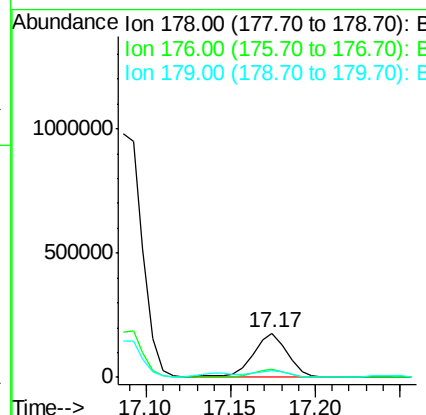
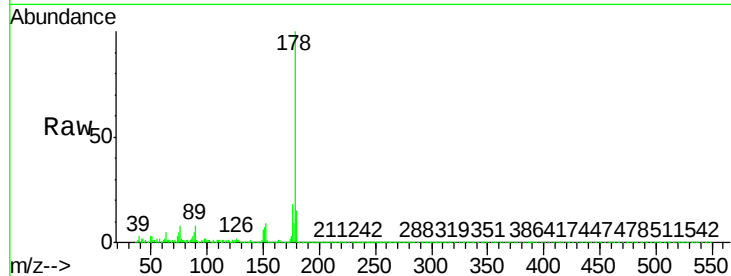
ClientSampleId :

SB-27-(4-6)

Tot Ion:	178	Resp:	248564
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.0	22.6
179	15.1	11.8	17.8

Manual Integrations
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#73

Carbazole

Concen: 8.816 ng

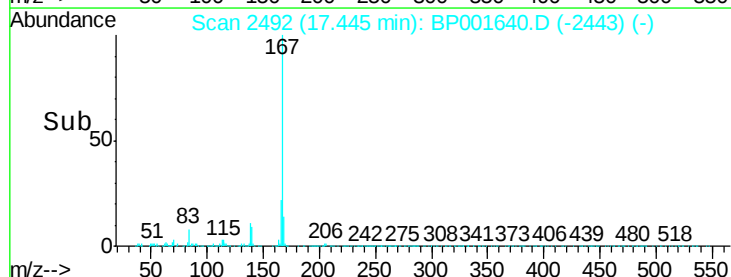
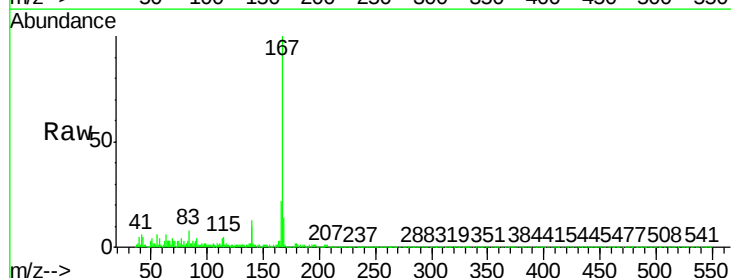
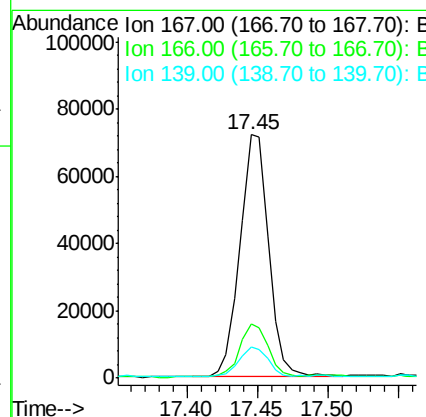
RT: 17.45 min Scan# 2492

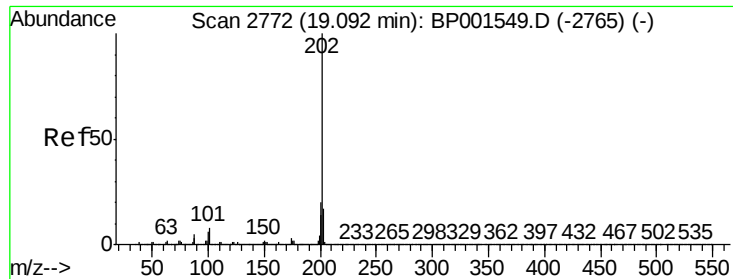
Delta R.T. -0.01 min

Lab File: BP001640.D

Acq: 16 Jan 2020 22:04

Tgt Ion:	167	Resp:	102759
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.2	25.8
139	12.7	10.0	15.0





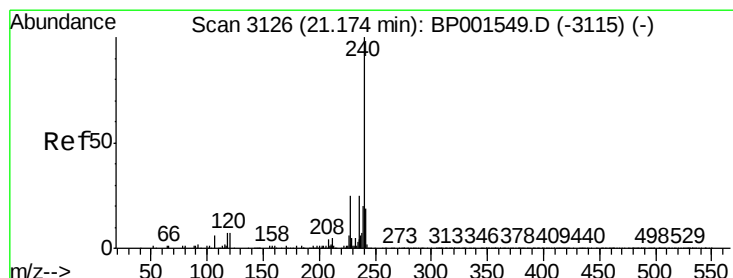
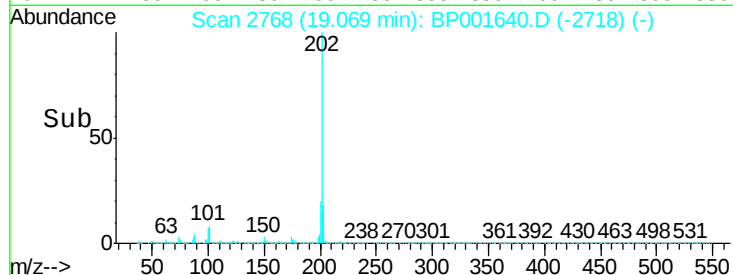
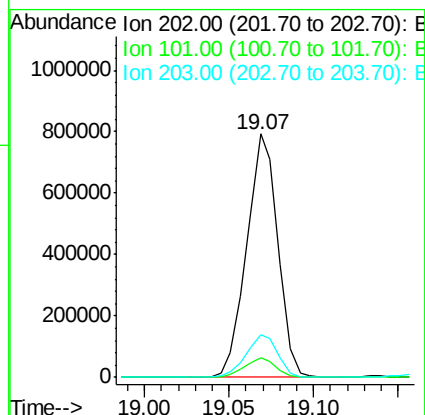
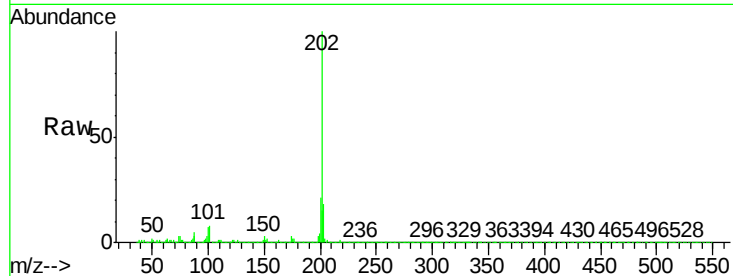
#75
Fluoranthene
Concen: 60.525 ng
RT: 19.07 min Scan# 2768
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Instrument :
BNA_P
ClientSampled :
SB-27-(4-6)

Tot Ion:	202	Resp:	1015705
Ion Ratio	Lower	Upper	
202	100		
101	8.1	0.0	28.4
203	17.7	0.0	37.4

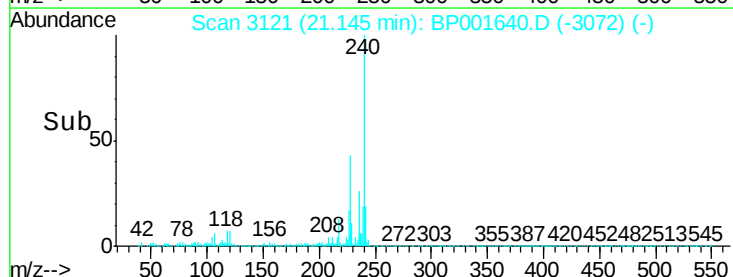
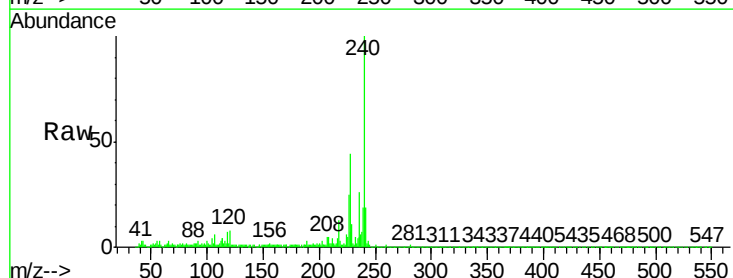
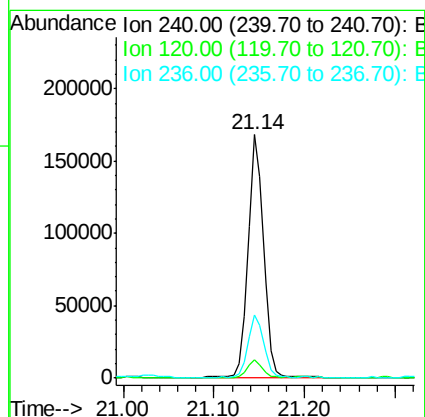
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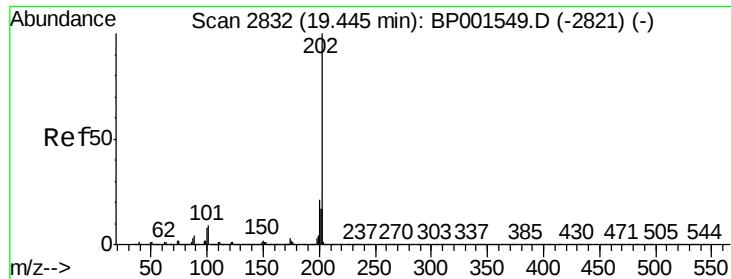
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Tgt Ion:	240	Resp:	198832
Ion Ratio	Lower	Upper	
240	100		
120	7.6	5.7	8.5
236	26.0	20.4	30.6





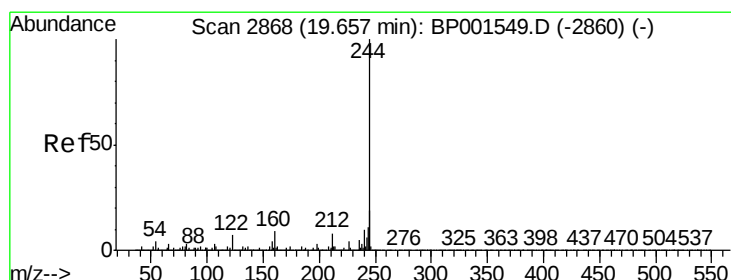
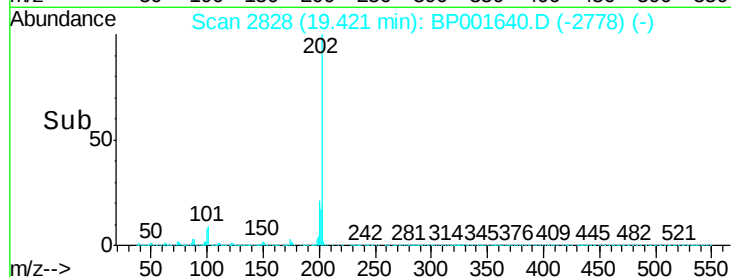
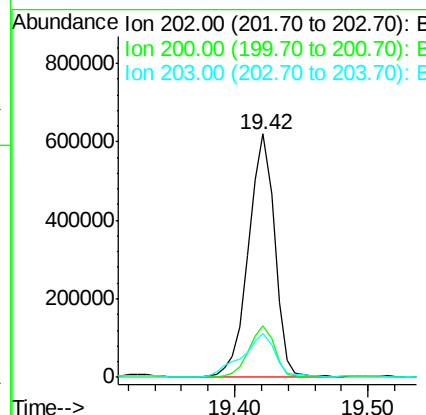
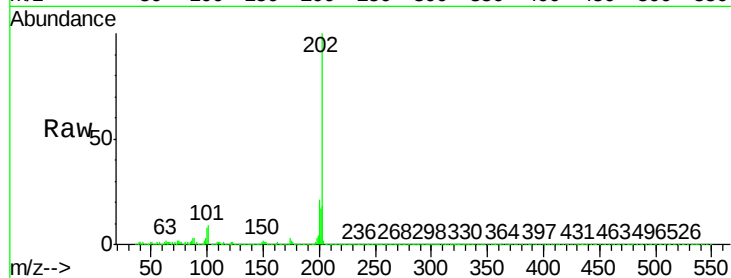
#78
Pvrene
Concen: 57.054 ng
RT: 19.42 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	17.0	25.6
203	17.9	13.7	20.5

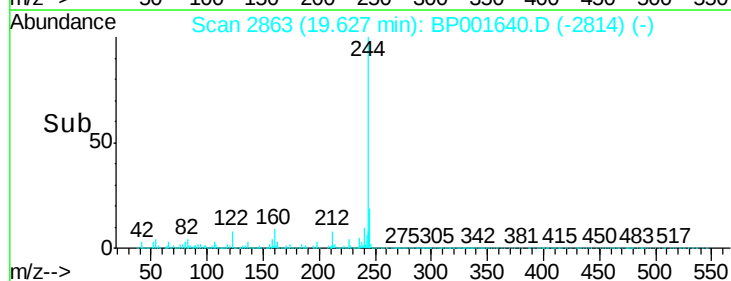
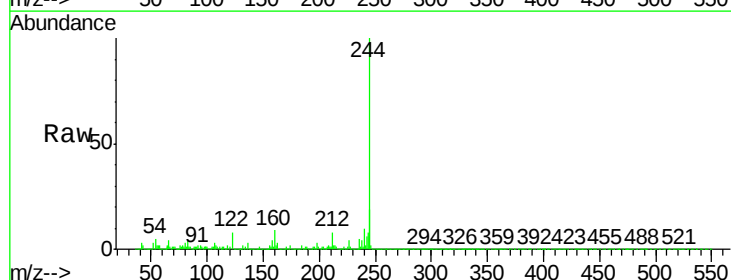
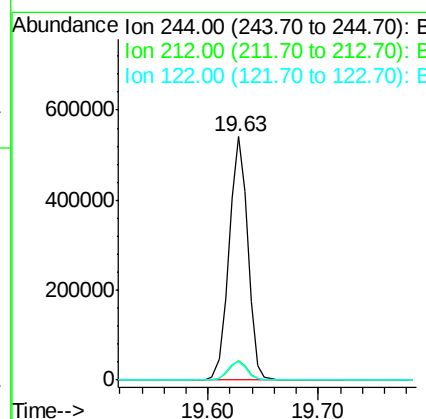
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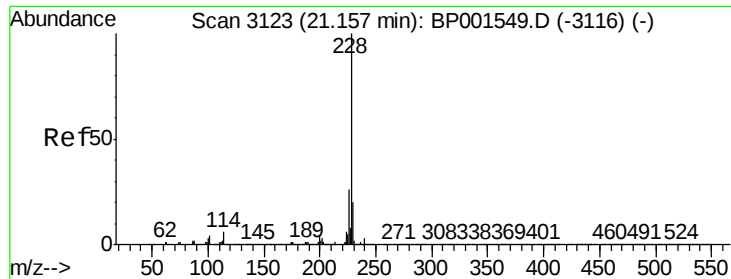
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#79
Terphenyl-d14
Concen: 59.237 ng
RT: 19.63 min Scan# 2863
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.3	6.3	9.5
122	7.6	5.8	8.6





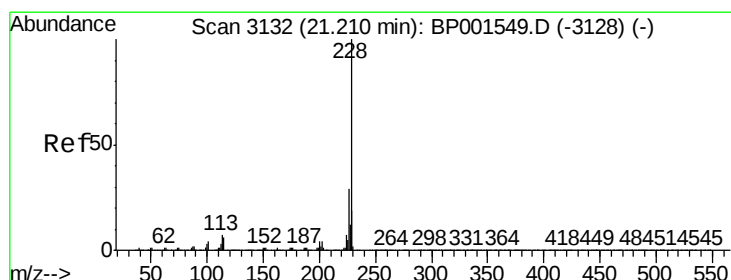
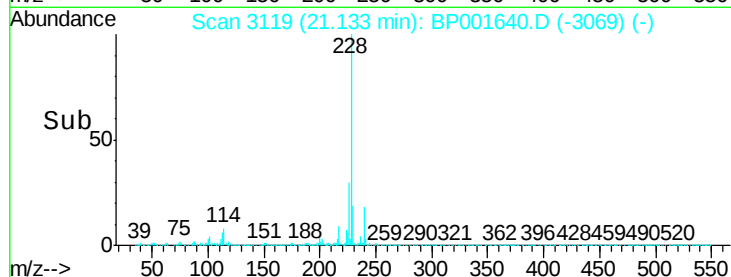
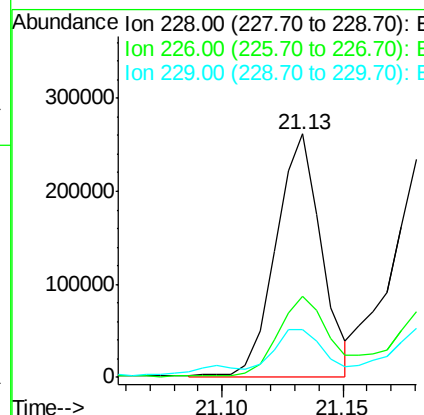
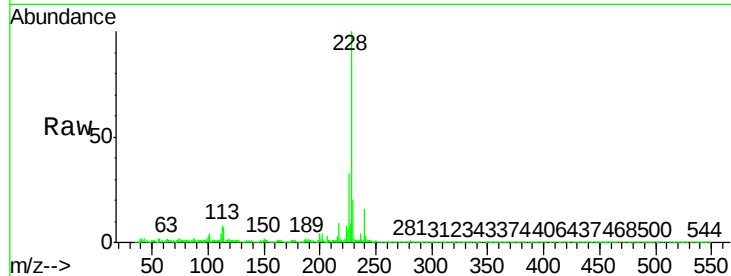
#81
Benzo(a)anthracene
Concen: 24.994 ng m
RT: 21.13 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	21.2	31.8#
229	19.8	16.1	24.1

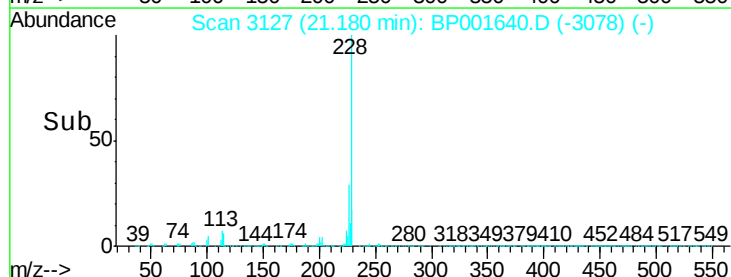
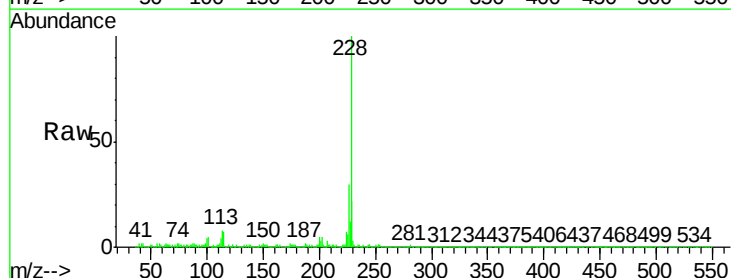
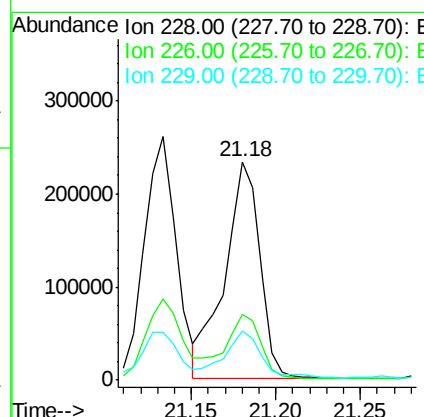
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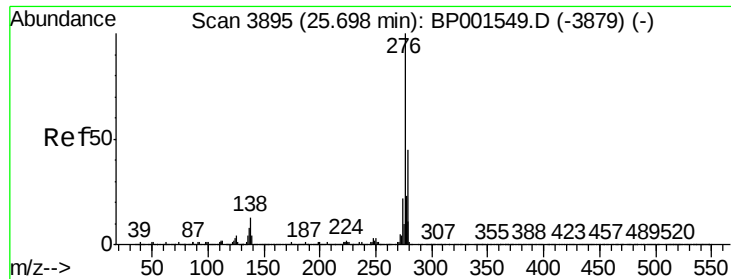
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#83
Chrysene
Concen: 24.996 ng
RT: 21.18 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.2	34.8
229	22.5	15.2	22.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 11.216 ng

RT: 25.62 min Scan# 3882

Delta R.T. -0.04 min

Lab File: BP001640.D

Acq: 16 Jan 2020 22:04

Instrument :

BNA_P

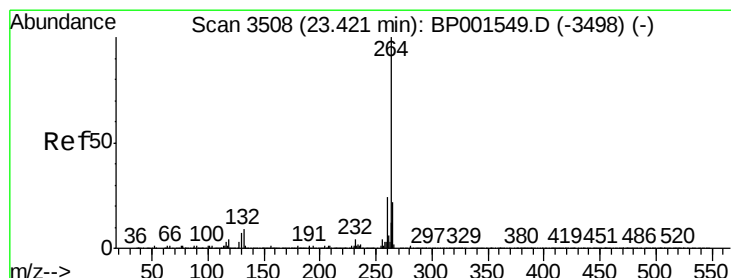
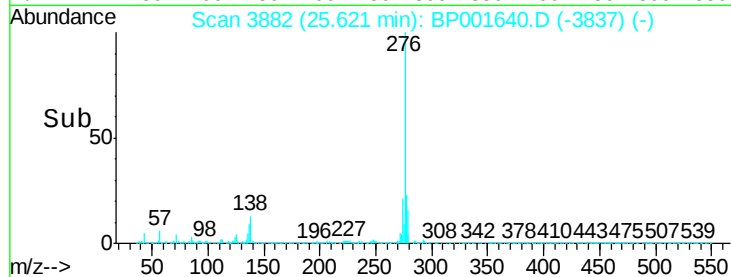
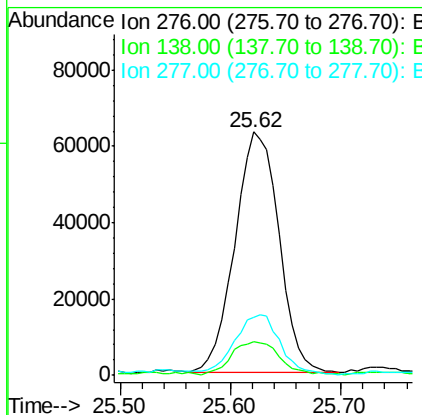
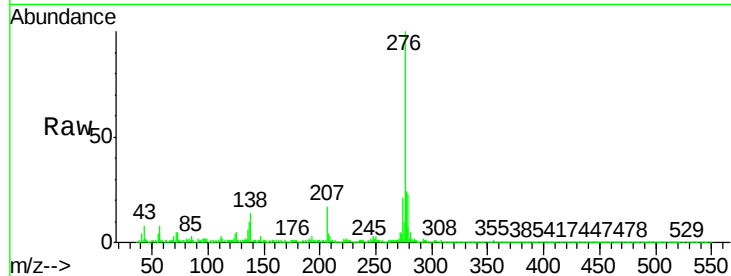
ClientSampleId :

SB-27-(4-6)

Tot Ion:	276	Resp:	177174
Ion Ratio		Lower	Upper
276	100		
138	15.6	11.1	16.7
277	25.6	20.4	30.6

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#87

Perylene-d12

Concen: 20.000 ng

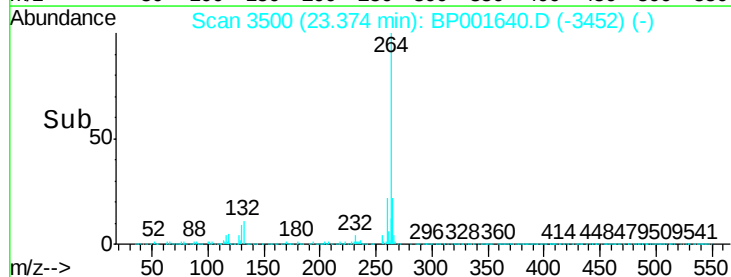
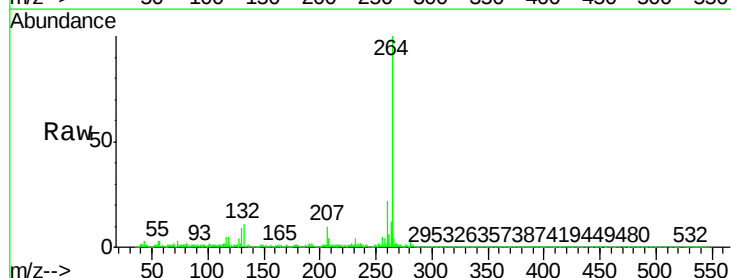
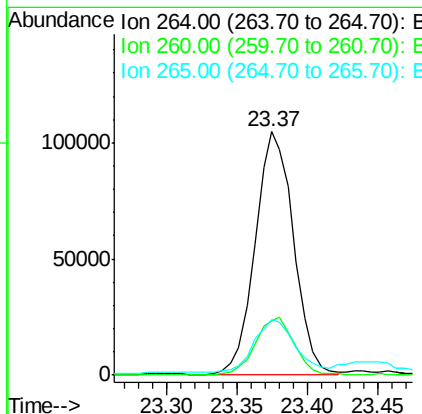
RT: 23.37 min Scan# 3500

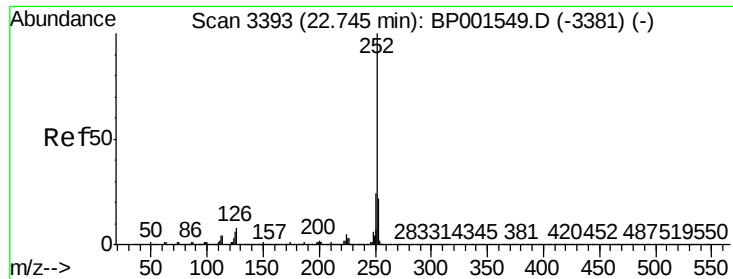
Delta R.T. -0.02 min

Lab File: BP001640.D

Acq: 16 Jan 2020 22:04

Tgt Ion:	264	Resp:	198716
Ion Ratio		Lower	Upper
264	100		
260	22.3	19.0	28.6
265	22.7	18.2	27.4





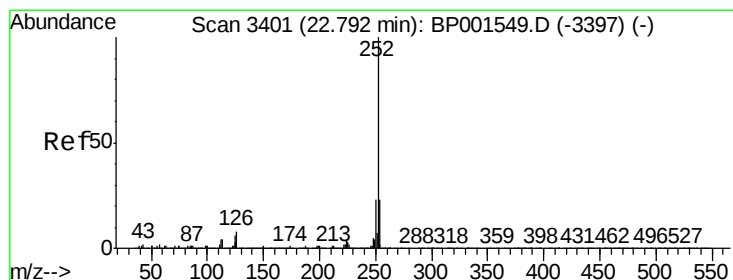
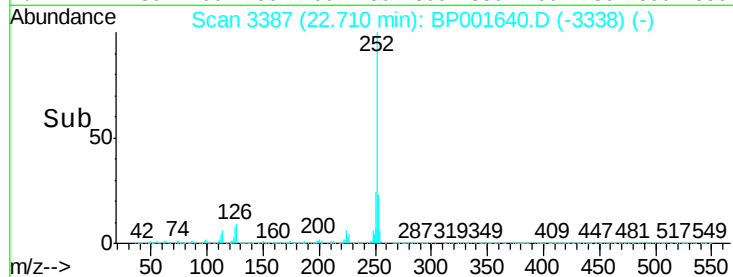
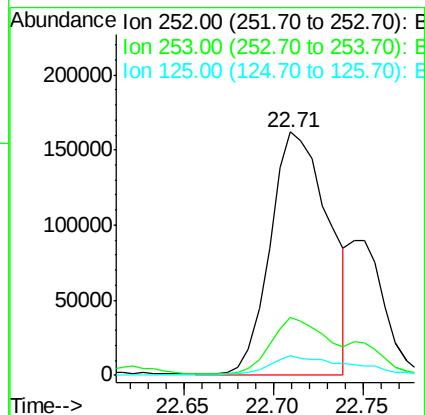
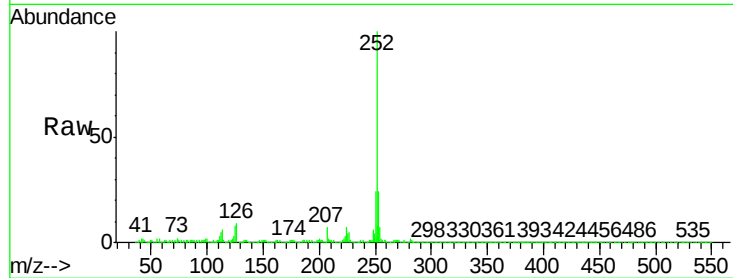
#88
Benzo(b)fluoranthene
Concen: 29.405 ng m
RT: 22.71 min Scan# 3387
Delta R.T. -0.01 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	7.9	4.6	7.0

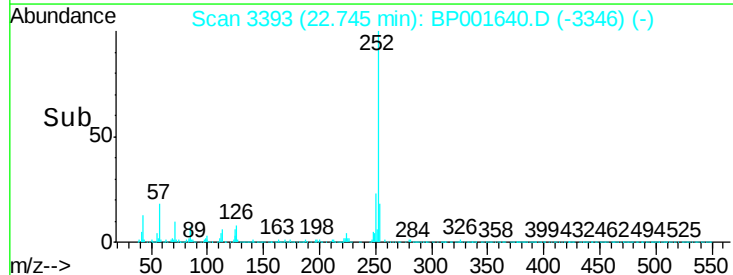
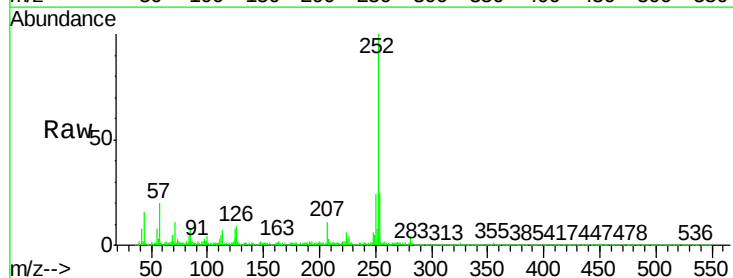
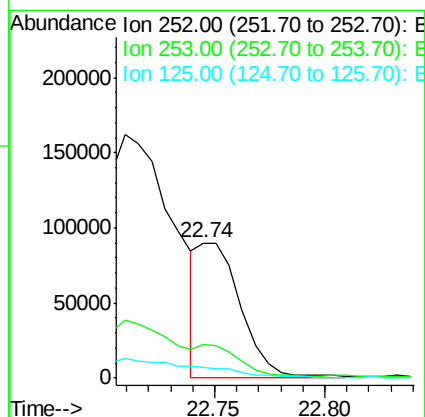
Manual Integrations
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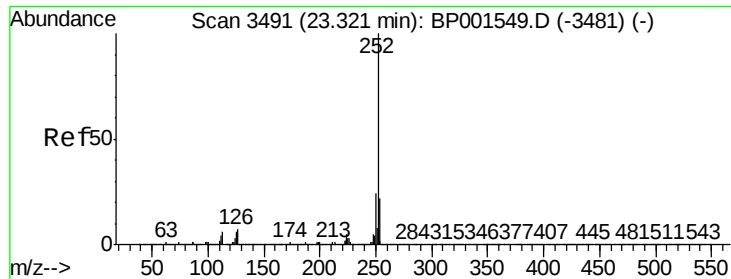
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#89
Benzo(k)fluoranthene
Concen: 9.777 ng m
RT: 22.74 min Scan# 3393
Delta R.T. -0.02 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.2
125	7.6	4.6	6.8





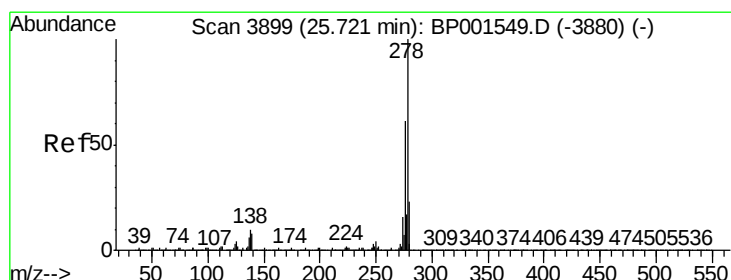
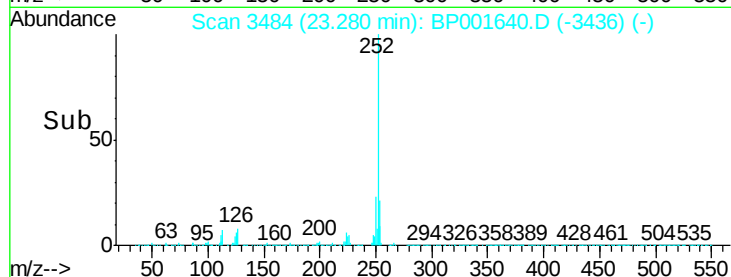
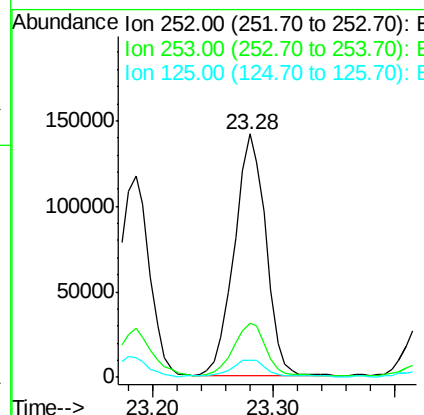
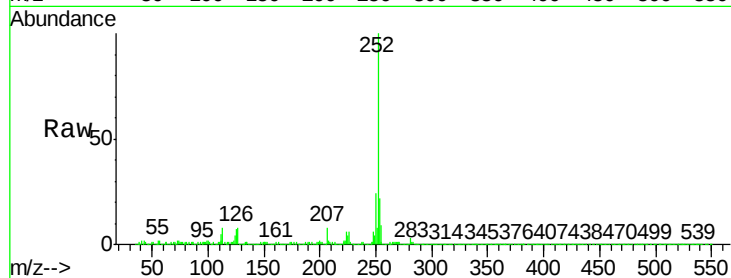
#90
Benzo(a)pyrene
Concen: 21.689 ng
RT: 23.28 min Scan# 3484
Delta R.T. -0.02 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	6.8	5.0	7.4

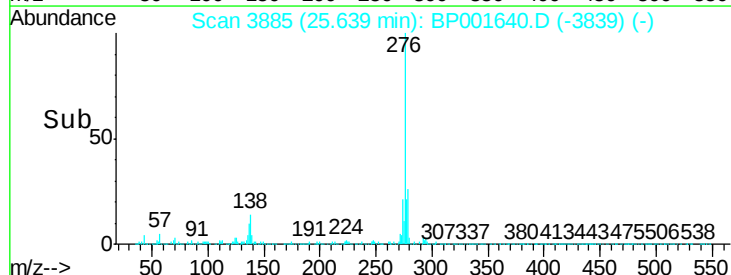
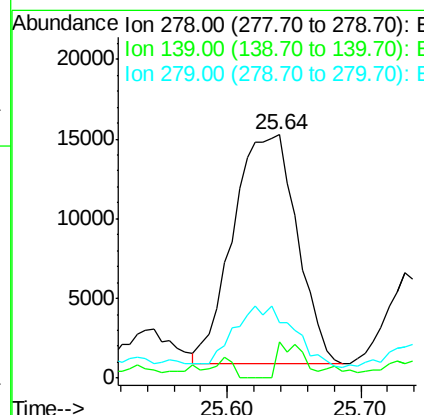
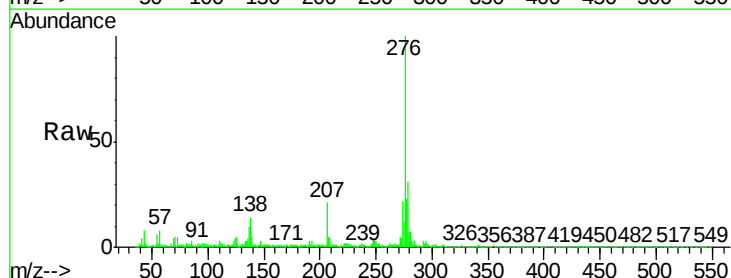
Manual Integrations
APPROVED

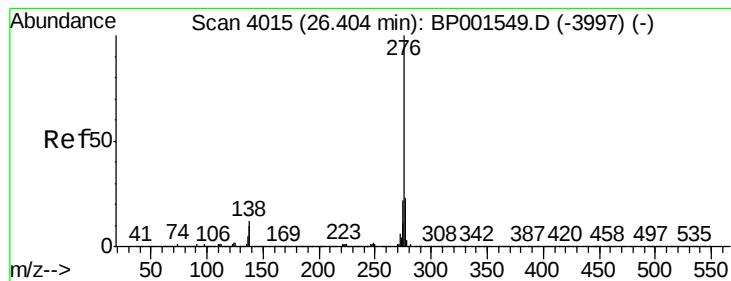
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#91
Dibenzo(a,h)anthracene
Concen: 3.886 ng
RT: 25.64 min Scan# 3885
Delta R.T. -0.03 min
Lab File: BP001640.D
Acq: 16 Jan 2020 22:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.1	6.7	10.1#
279	22.7	18.6	28.0





#92

Benzo(a,h,i)perylene

Concen: 15.300 ng

RT: 26.32 min Scan# 4000

Delta R.T. -0.02 min

Lab File: BP001640.D

Acq: 16 Jan 2020 22:04

Instrument :

BNA_P

ClientSampleId :

SB-27-(4-6)

Tot Ion:	276	Resp:	186584
Ion Ratio	Lower	Upper	
276	100		
277	22.5	18.6	28.0
138	14.0	9.4	14.2

Manual Integrations
APPROVED

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