

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000901.D
 Acq On : 19 Oct 2019 01:29
 Operator : JU
 Sample : K5420-15
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-2

Manual Integrations
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mohammad
 10/22/2019 1:39:50 AM

Quant Time: Oct 19 06:28:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 16:40:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	154951	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	557103	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	305041	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	566697	20.00	ng	0.00
76) Chrysene-d12	13.97	240	469894	20.00	ng	0.00
87) Perylene-d12	15.45	264	551332	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	820179	85.08	ng	0.02
7) Phenol-d6	6.40	99	1061109	91.35	ng	0.01
23) Nitrobenzene-d5	7.30	82	558851	61.27	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	333747	102.67	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1219439	64.68	ng	0.00
79) Terphenyl-d14	12.89	244	1345644	57.98	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.42	94	25740	2.164	ng	# 67
31) Naphthalene	8.05	128	66710	2.564	ng	100
49) Acenaphthylene	9.65	152	73198	2.725	ng	100
50) Dimethylphthalate	9.50	163	222464	10.496	ng	99
52) Acenaphthene	9.82	154	45386	2.785	ng	99
55) Dibenzofuran	9.99	168	71941	2.954	ng	98
58) Fluorene	10.34	166	49795	2.868	ng	99
71) Phenanthrene	11.31	178	1082727	38.043	ng	100
72) Anthracene	11.36	178	271508m	9.621	ng	
73) Carbazole	11.52	167	129421	4.947	ng	100
75) Fluoranthene	12.52	202	2128061	66.575	ng	99
78) Pyrene	12.75	202	1860646	57.412	ng	99
80) Butylbenzylphthalate	13.37	149	454799	32.204	ng	98
81) Benzo(a)anthracene	13.96	228	1217808	42.476	ng	97
83) Chrysene	13.99	228	1159353	41.200	ng	98
84) Bis(2-ethylhexyl)phthalate	13.95	149	482891	27.188	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.92	276	632335	17.989	ng	94
88) Benzo(b)fluoranthene	15.02	252	1562924m	49.968	ng	
89) Benzo(k)fluoranthene	15.05	252	606796m	20.377	ng	
90) Benzo(a)pyrene	15.38	252	1066060	36.562	ng	97
91) Dibenzo(a,h)anthracene	16.92	278	177263m	6.268	ng	
92) Benzo(g,h,i)perylene	17.36	276	514819	17.916	ng	99

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

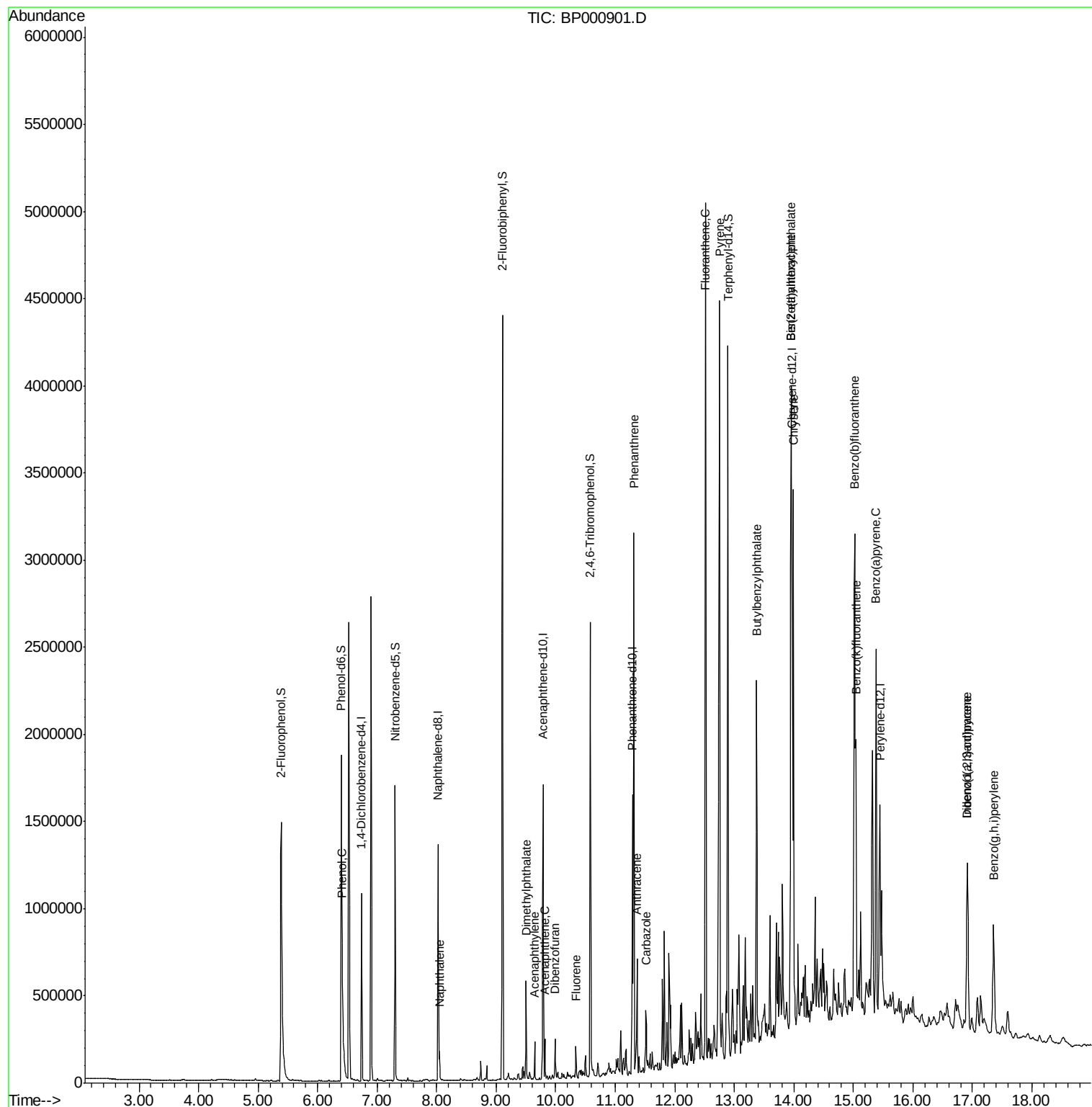
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000901.D
Acq On : 19 Oct 2019 01:29
Operator : JU
Sample : K5420-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

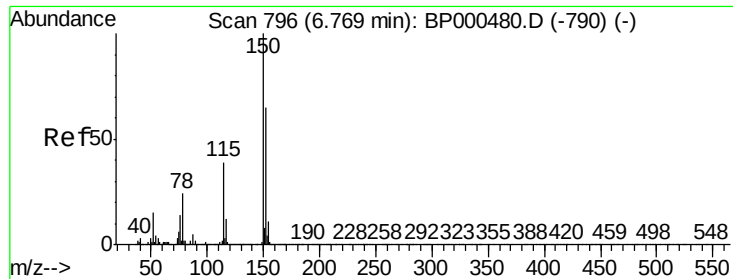
Instrument :
BNA_P
ClientSampleId :
SP-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

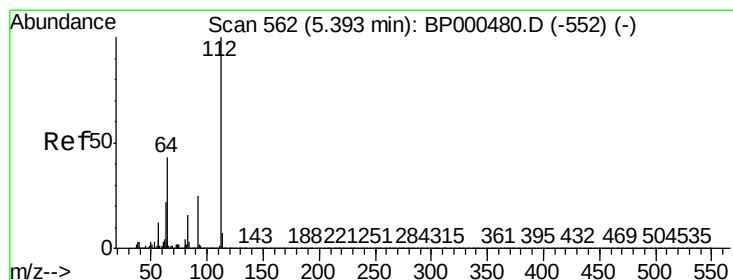
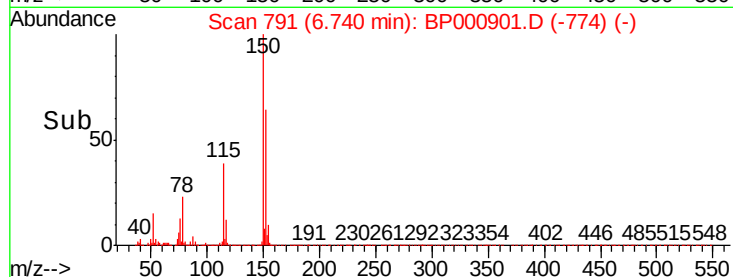
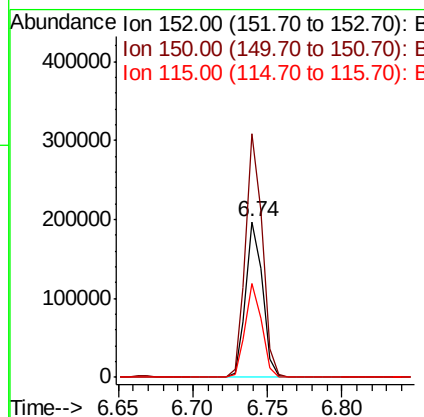
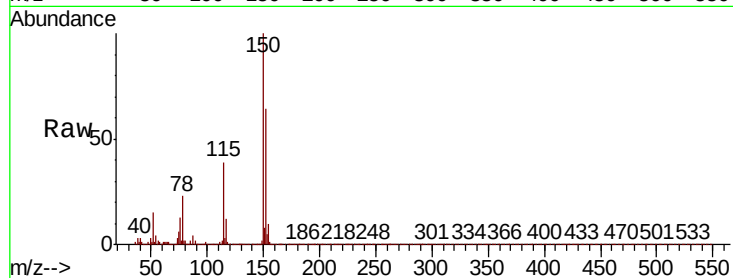
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Instrument :
BNA_P
ClientSampleId :
SP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	123.8	185.8
115	60.7	46.8	70.2

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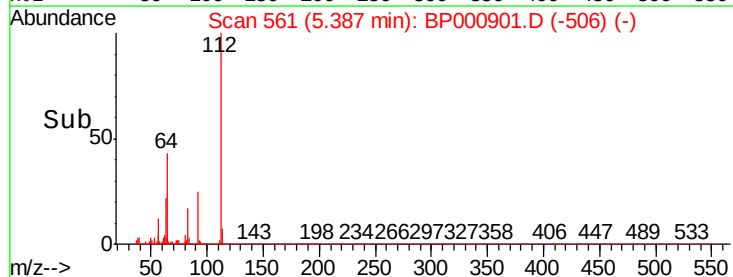
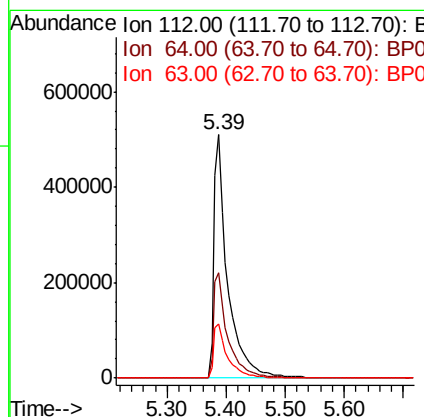
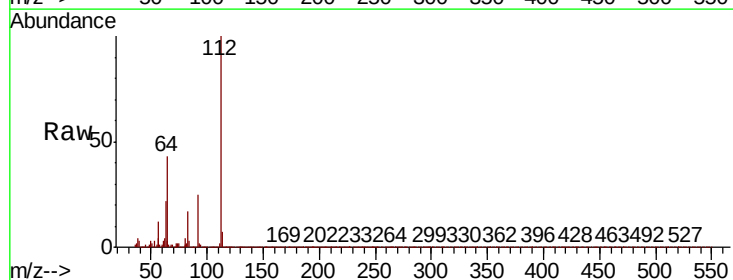
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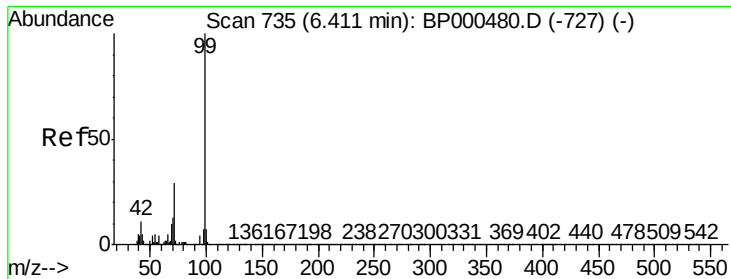


#5

2-Fluorophenol
Concen: 85.084 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.02 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.3	33.9	50.9
63	22.3	17.4	26.0





#7

Phenol-d6

Concen: 91.348 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BP000901.D

Acq: 19 Oct 2019 01:29

Instrument :

BNA_P

ClientSampled :

SP-2

Tot Ion: 99 Resp: 1061109

Ion Ratio Lower Upper

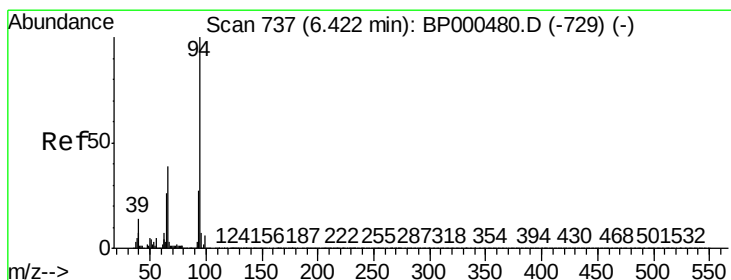
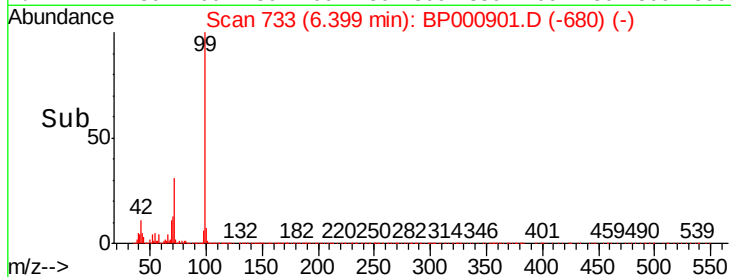
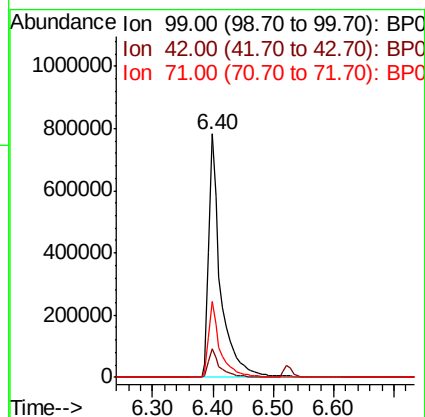
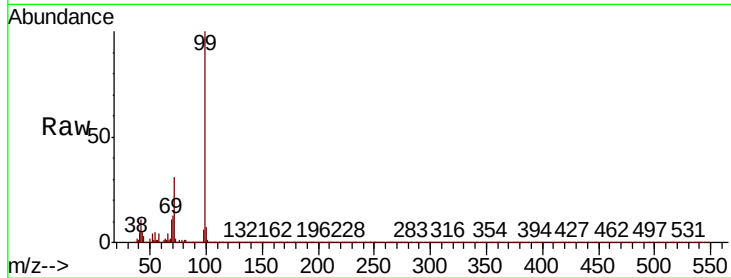
99 100

42 11.5 8.7 13.1

71 31.1 24.1 36.1

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#10

Phenol

Concen: 2.164 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.02 min

Lab File: BP000901.D

Acq: 19 Oct 2019 01:29

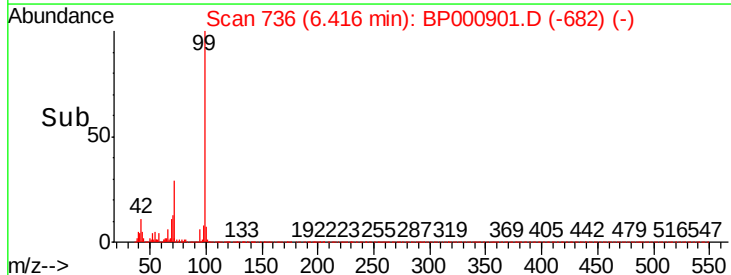
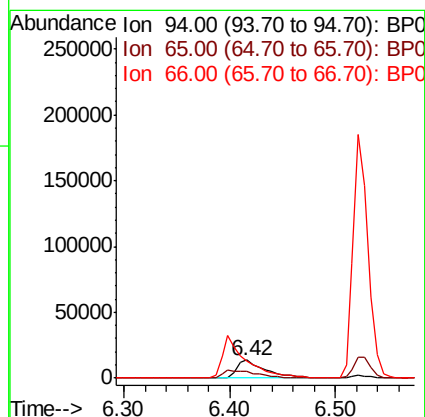
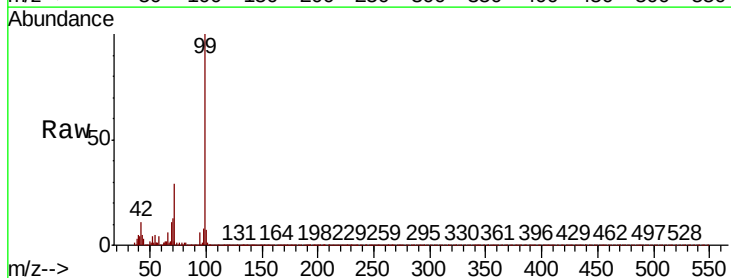
Tgt Ion: 94 Resp: 25740

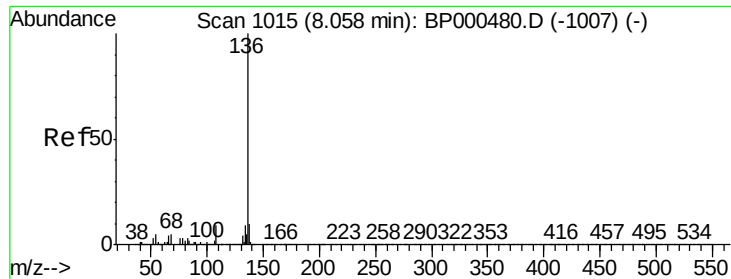
Ion Ratio Lower Upper

94 100

65 35.9 14.6 54.6

66 97.2 39.2 79.2#





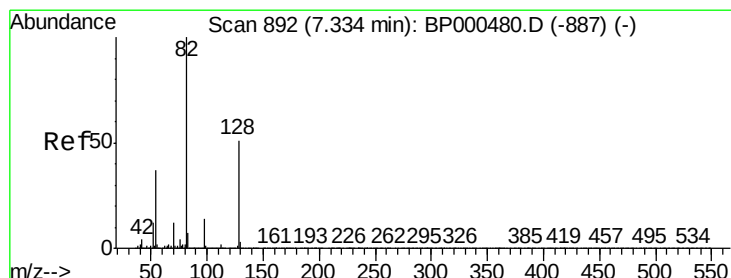
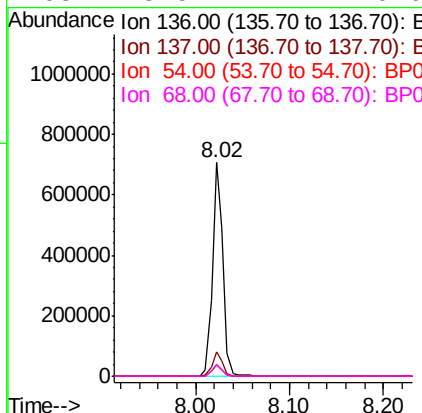
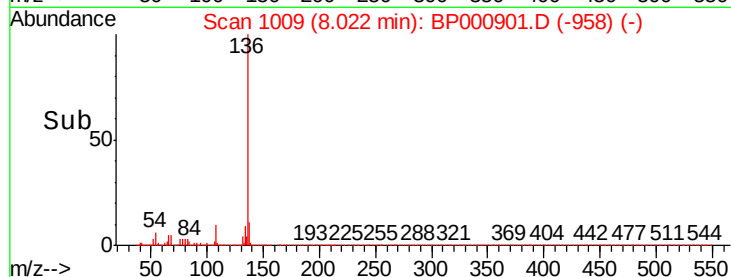
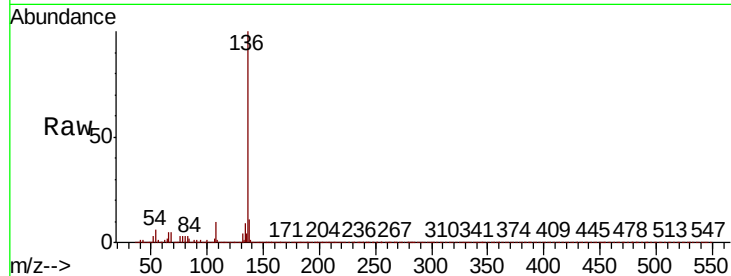
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Instrument :
BNA_P
ClientSampleID :
SP-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		557103		
137	11.2	8.9	13.3		
54	5.7	4.6	6.8		
68	5.5	4.4	6.6		

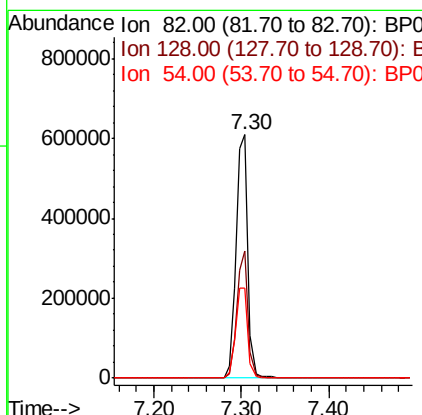
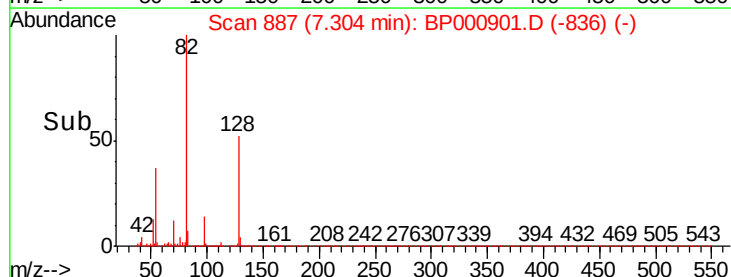
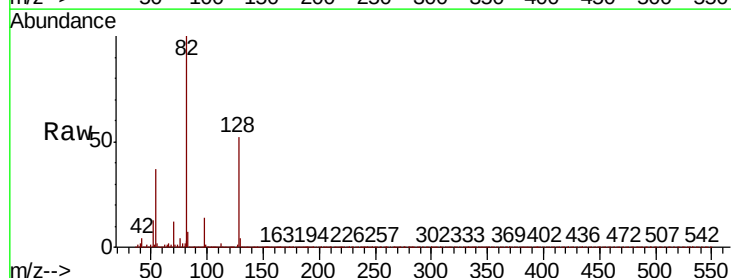
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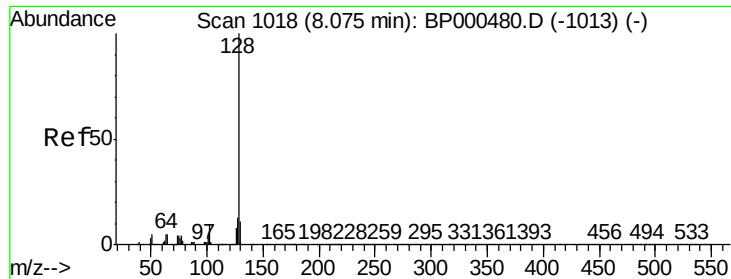
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#23
Nitrobenzene-d5
Concen: 61.267 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.00 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		558851		
128	52.4	41.2	61.8		
54	36.9	30.6	45.8		





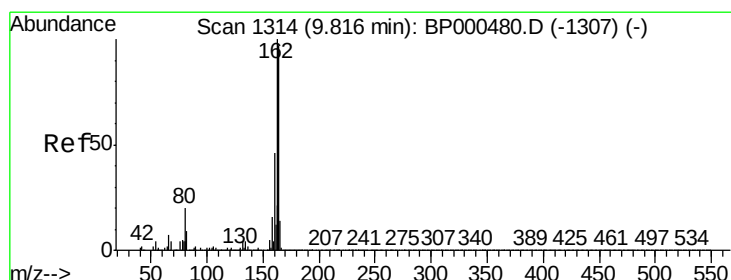
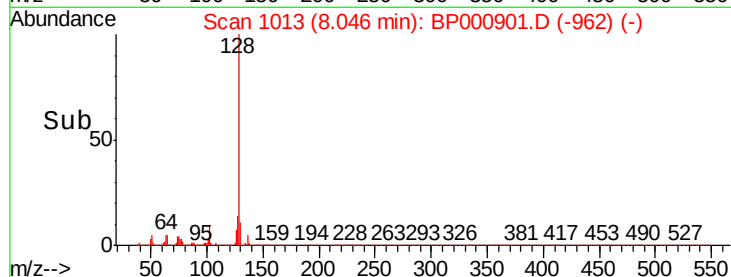
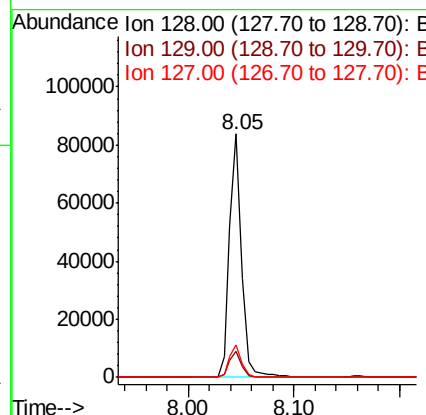
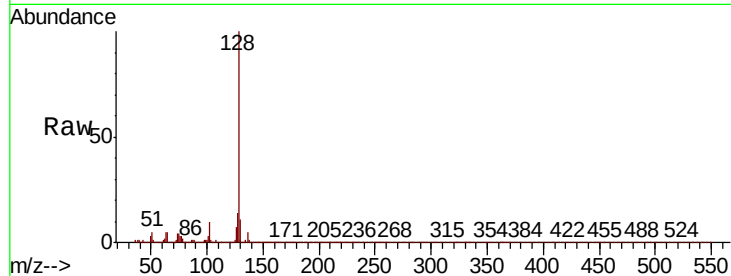
#31
Naphthalene
Concen: 2.564 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.00 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Instrument :
BNA_P
ClientSampleId :
SP-2

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.6	10.8	16.2

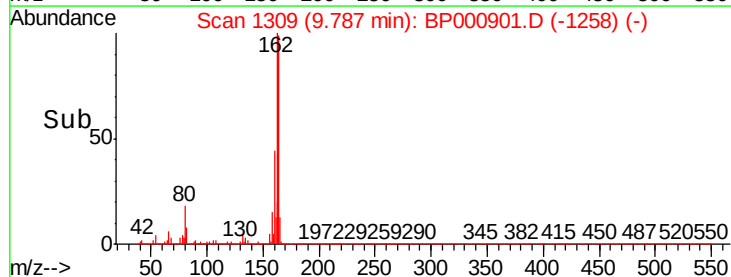
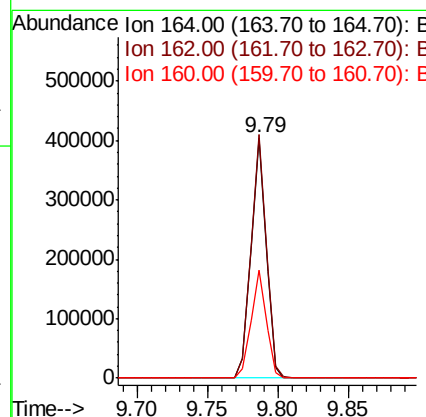
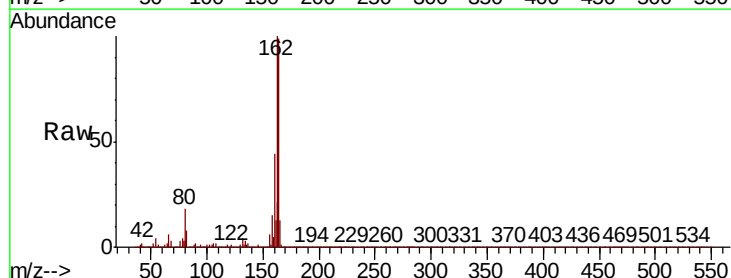
Manual Integrations
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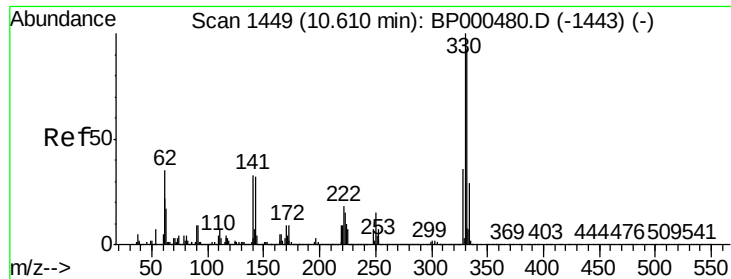
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.6	121.0
160	44.8	35.4	53.2





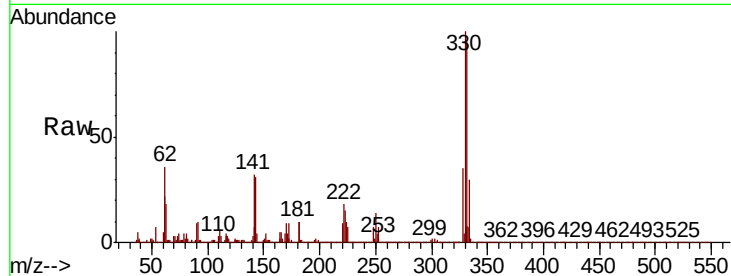
#42
2,4,6-Tribromophenol
Concen: 102.673 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Instrument :
BNA_P
ClientSampleId :
SP-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	333747		
332	96.5	78.2	117.4	
141	29.2	23.7	35.5	

Manual Integrations
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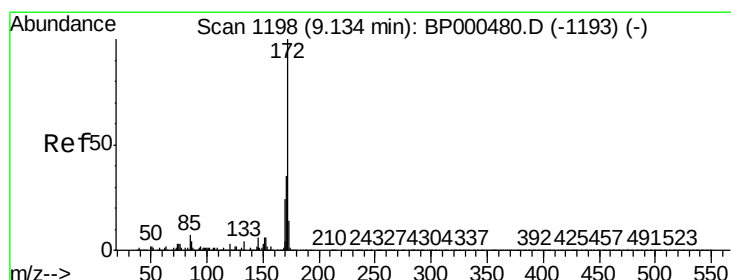
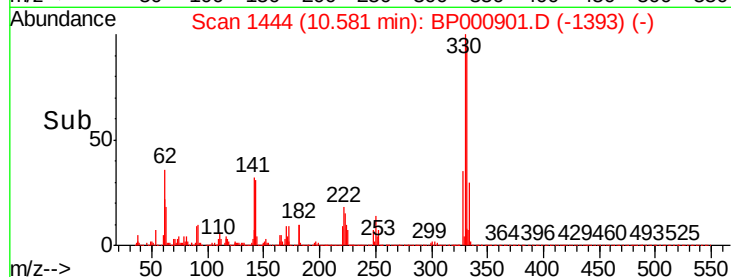
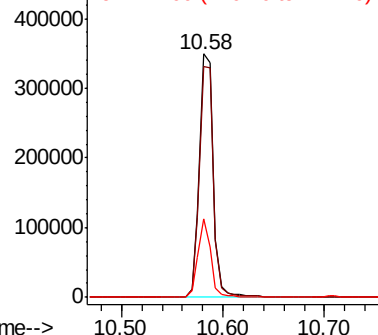


Abundance

Ion 329.80 (329.50 to 330.50): E

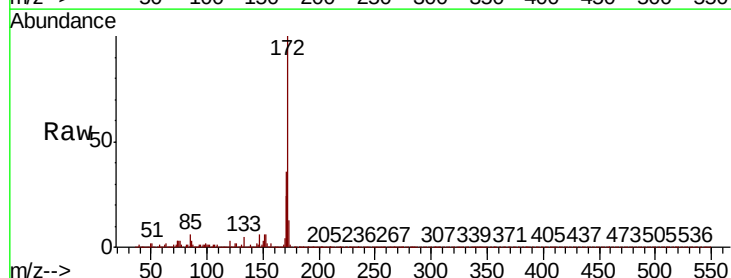
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 64.681 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1219439		
171	35.9	29.0	43.4	
170	23.6	19.3	28.9	

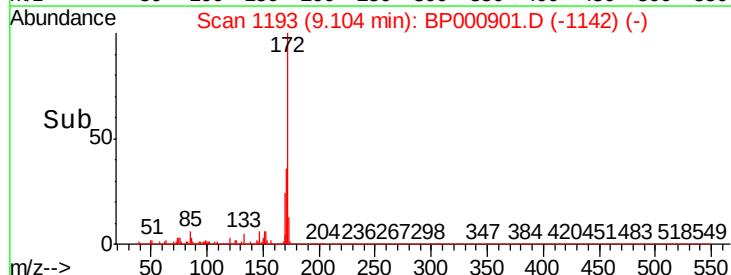
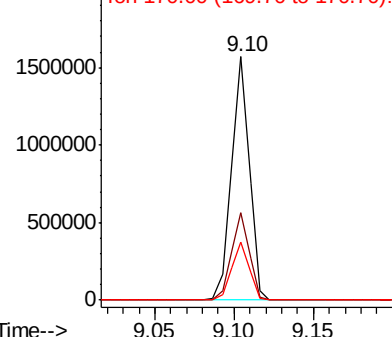


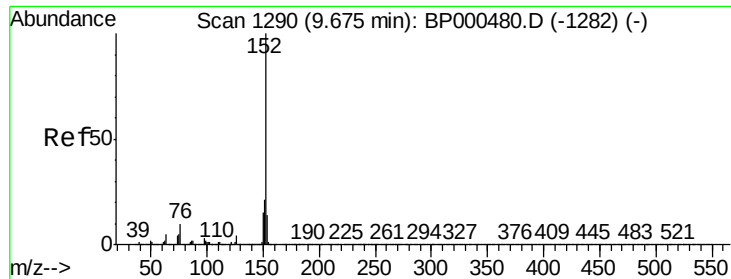
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





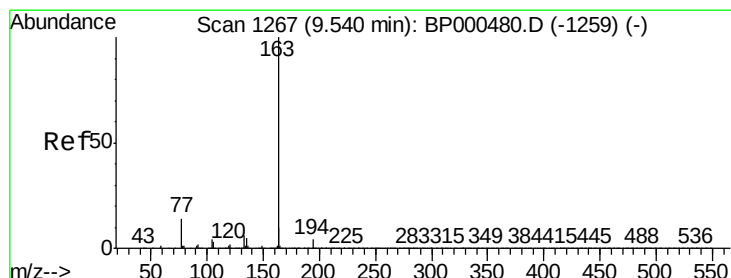
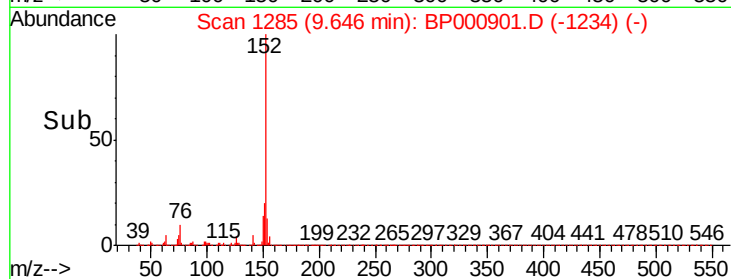
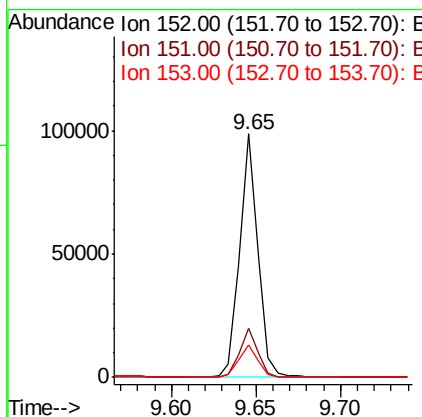
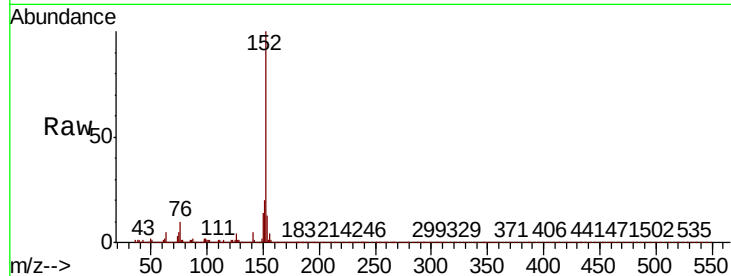
#49
Acenaphthylene
Concen: 2.725 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Instrument :
BNA_P
ClientSampled :
SP-2

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.3	10.7	16.1

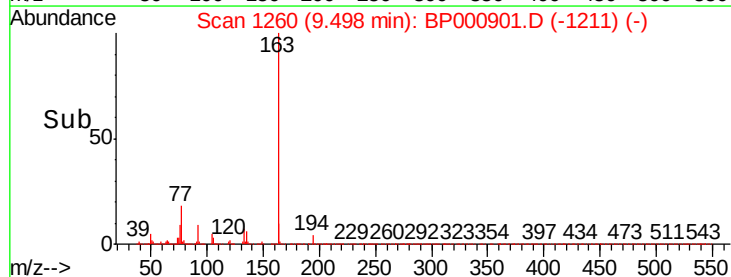
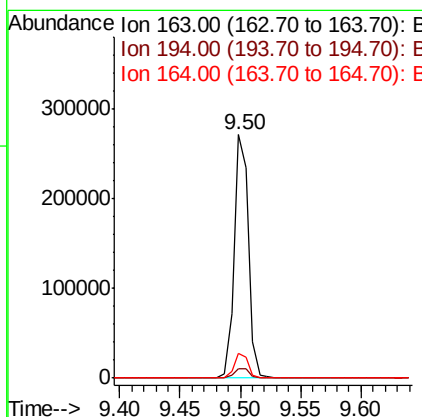
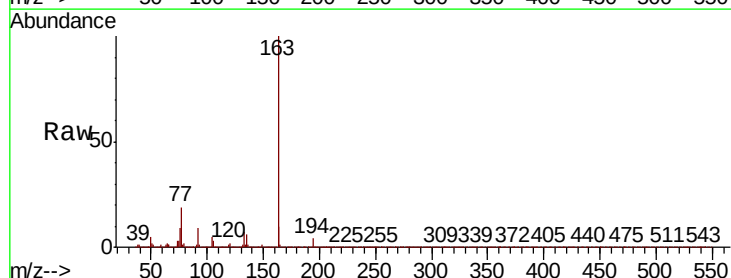
Manual Integrations
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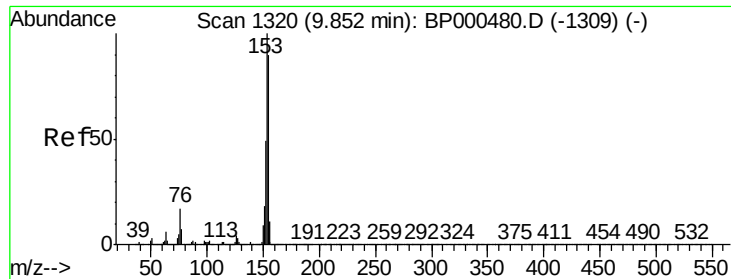
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#50
Dimethylphthalate
Concen: 10.496 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.2	8.3	12.5





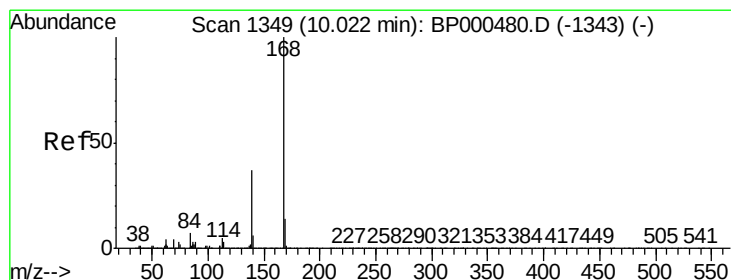
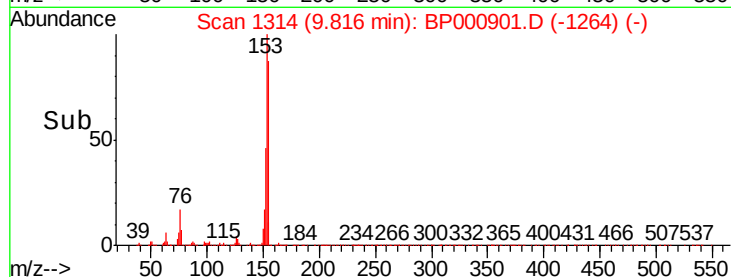
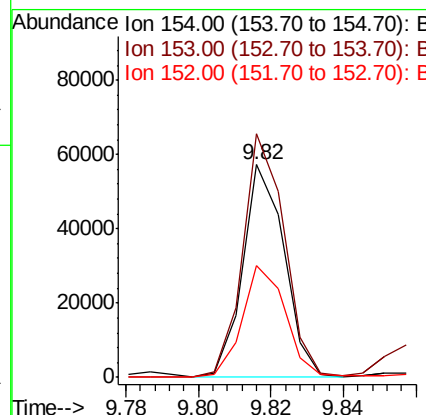
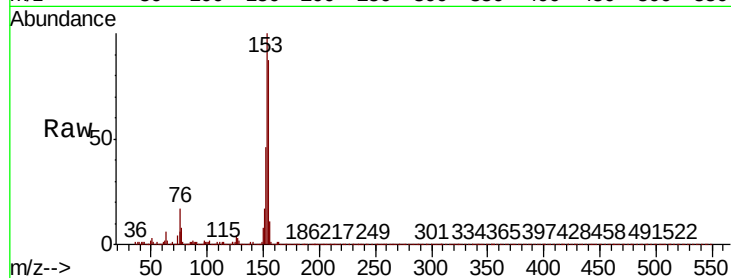
#52
Acenaphthene
Concen: 2.785 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Instrument :
BNA_P
ClientSampled :
SP-2

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.4	90.4	135.6
152	52.4	42.5	63.7

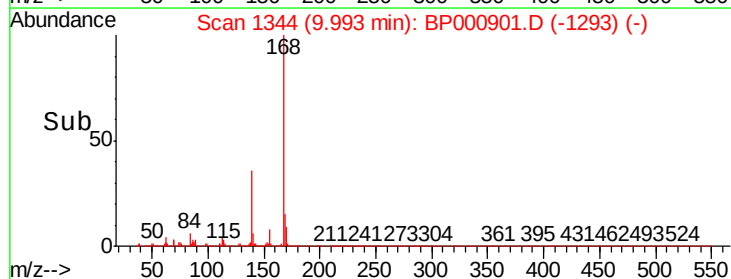
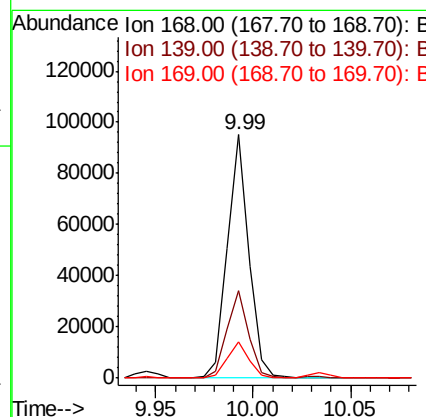
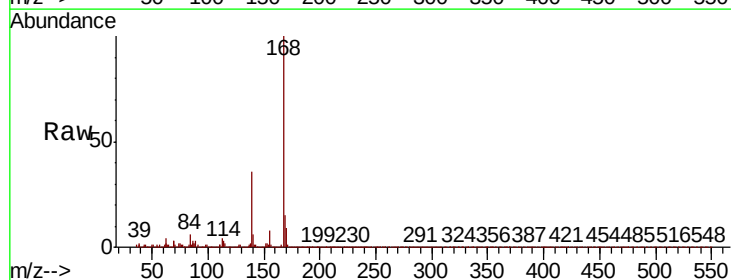
Manual Integrations
APPROVED

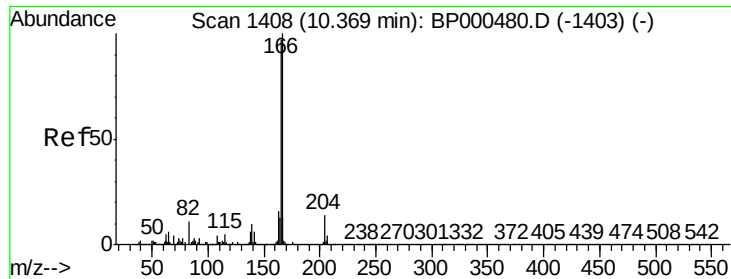
mohammad
10/22/2019 1:39:50 AM



#55
Dibenzofuran
Concen: 2.954 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.8	44.6
169	14.9	10.9	16.3





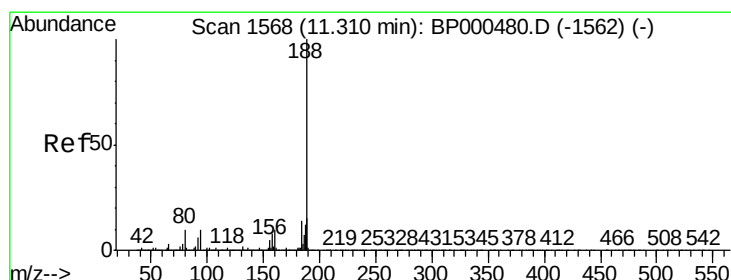
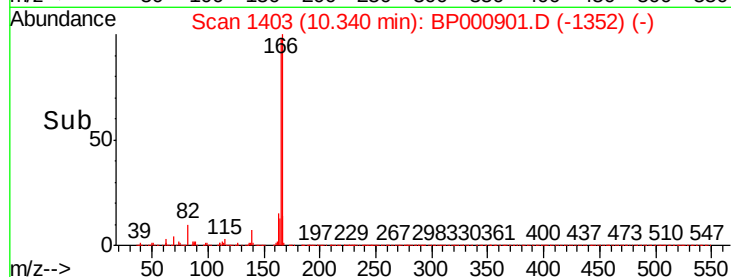
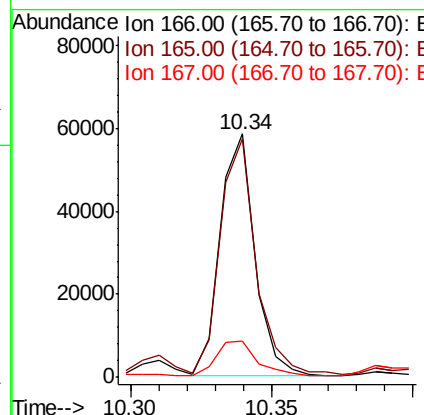
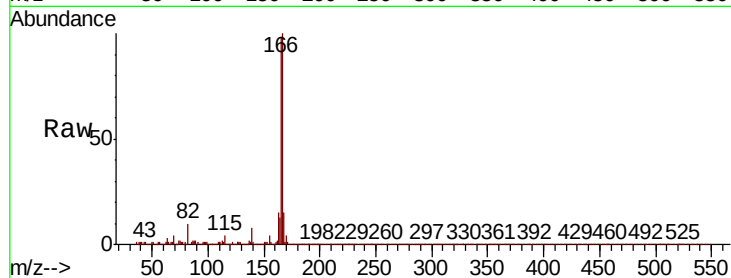
#58
Fluorene
Concen: 2.868 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.00 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Instrument :
BNA_P
ClientSampleId :
SP-2

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.4	117.6
167	14.8	10.6	15.8

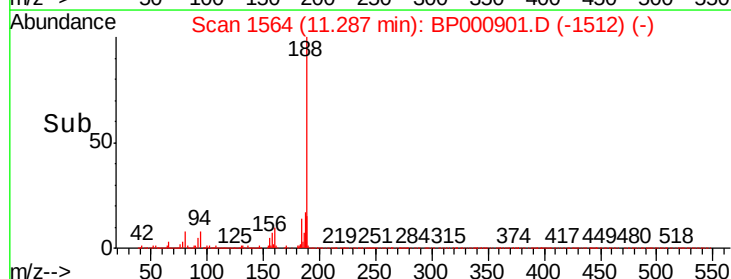
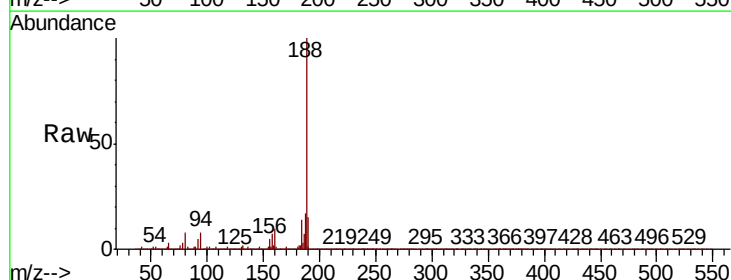
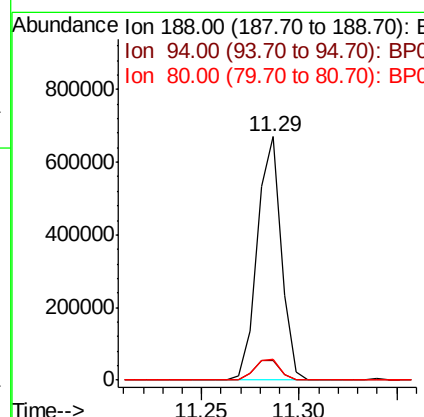
Manual Integrations
APPROVED

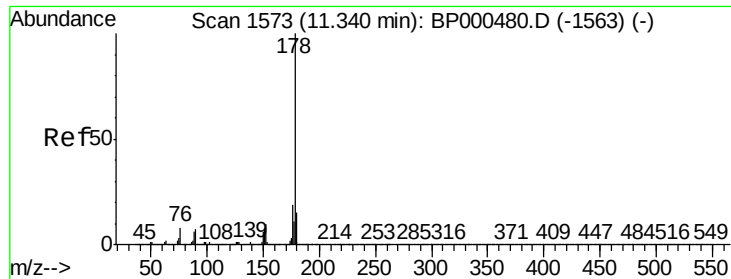
mohammad
10/22/2019 1:39:50 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1564
Delta R.T. 0.01 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.0	12.0
80	8.3	8.2	12.4





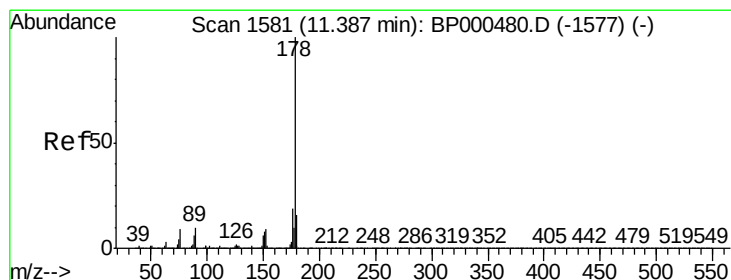
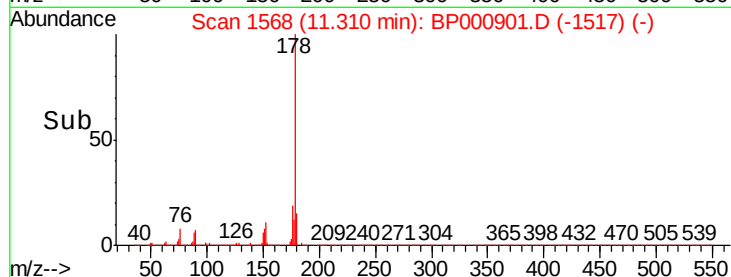
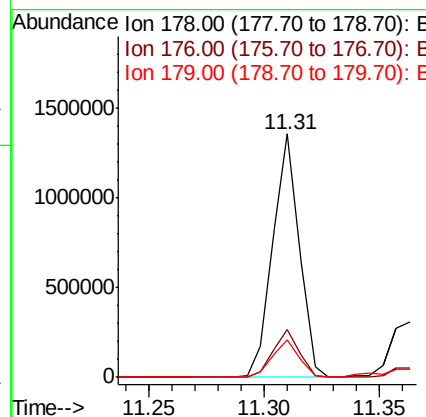
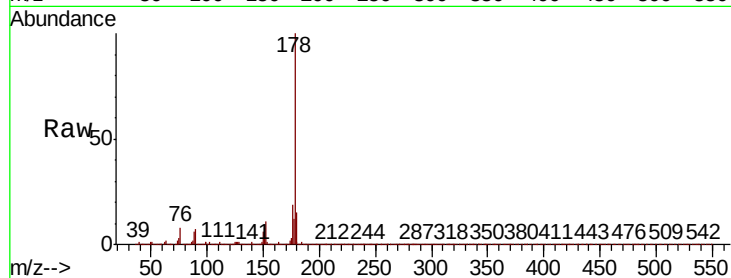
#71
Phenanthrene
Concen: 38.043 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Instrument :
BNA_P
ClientSampled :
SP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.4	12.5	18.7

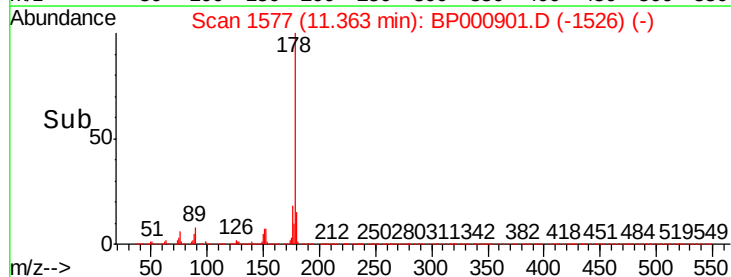
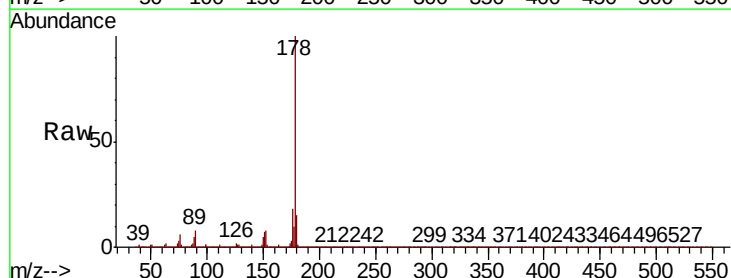
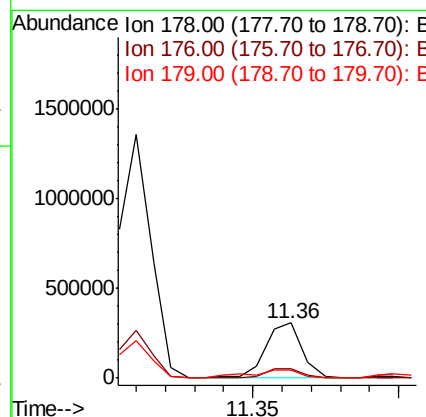
Manual Integrations
APPROVED

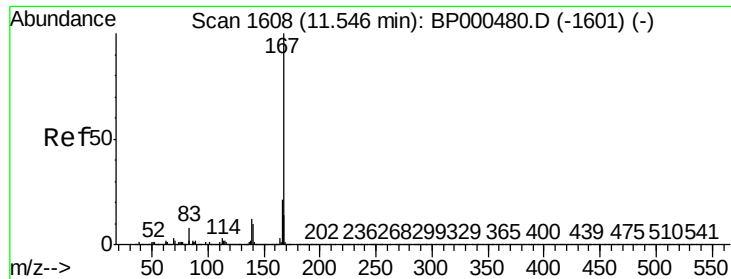
mohammad
10/22/2019 1:39:50 AM



#72
Anthracene
Concen: 9.621 ng m
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.8	22.2
179	15.2	12.3	18.5





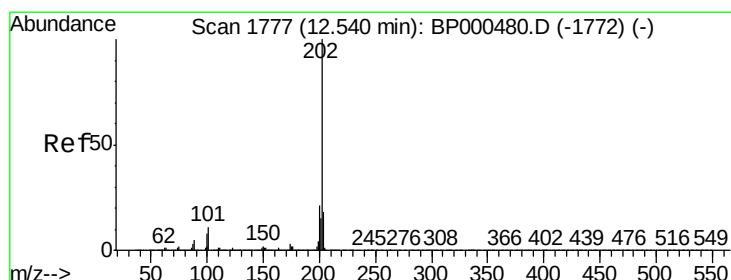
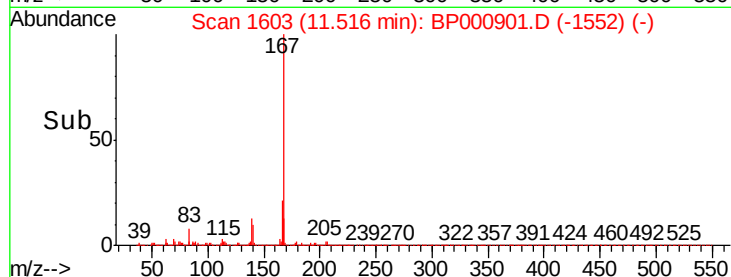
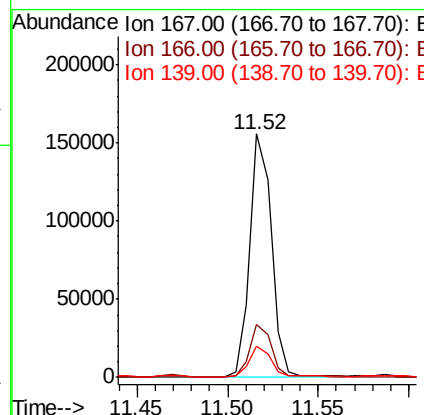
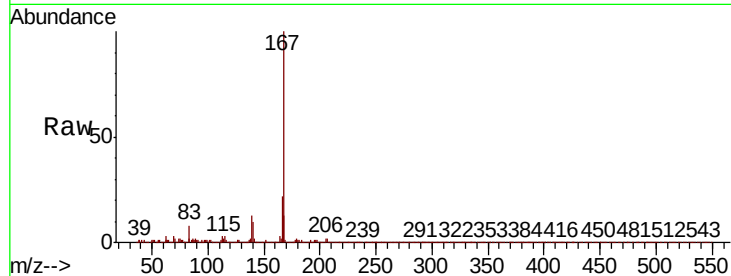
#73
 Carbazole
 Concen: 4.947 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: BP000901.D
 Acq: 19 Oct 2019 01:29

Instrument :
 BNA_P
 ClientSampleId :
 SP-2

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.4	26.2
139	12.8	10.5	15.7

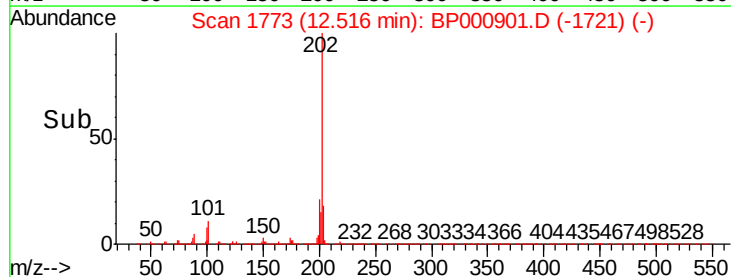
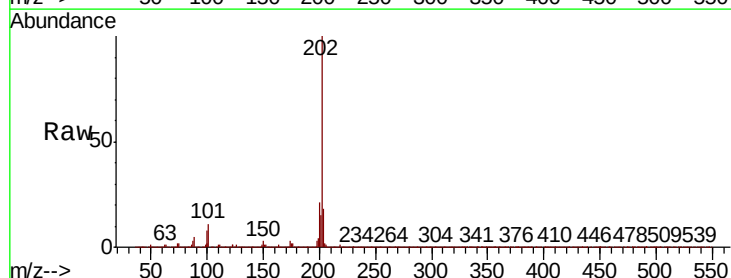
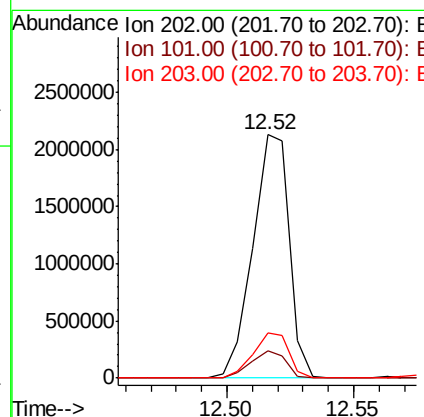
Manual Integrations
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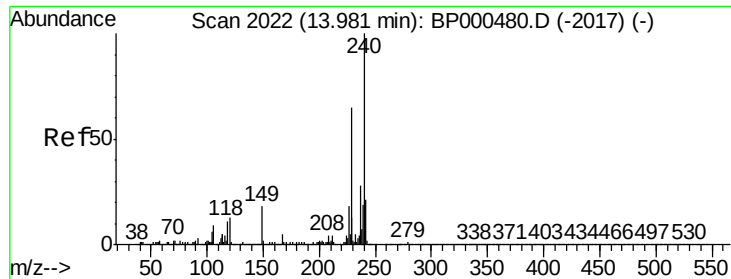
mohammad
 10/22/2019 1:39:50 AM



#75
 Fluoranthene
 Concen: 66.575 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. 0.01 min
 Lab File: BP000901.D
 Acq: 19 Oct 2019 01:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.6
203	18.4	0.0	38.0





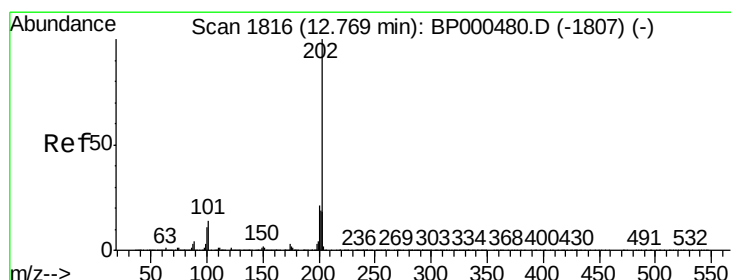
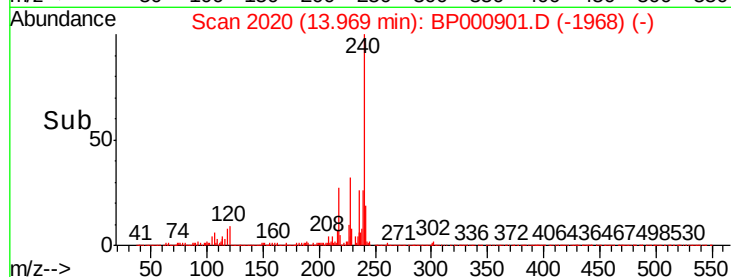
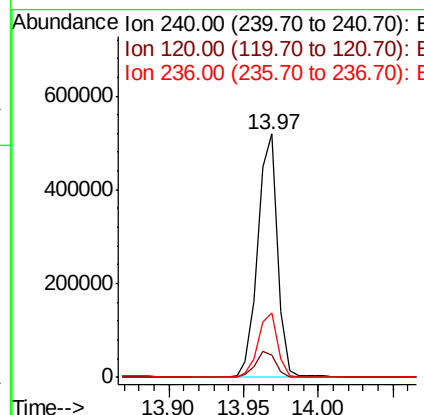
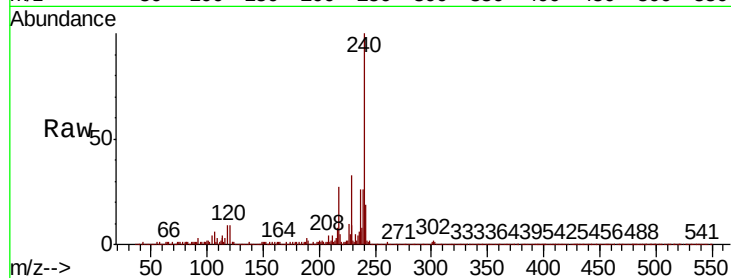
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Instrument :
BNA_P
ClientSampled :
SP-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.3	10.9
236	26.3	21.2	31.8

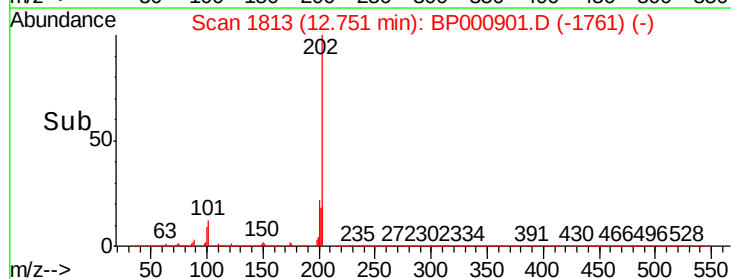
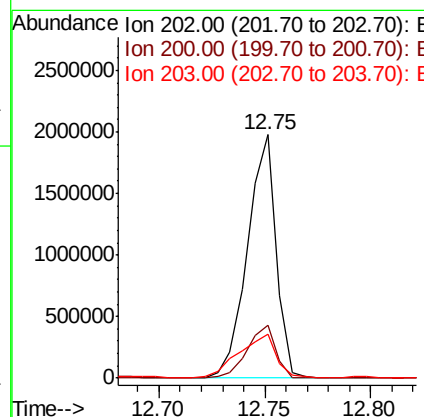
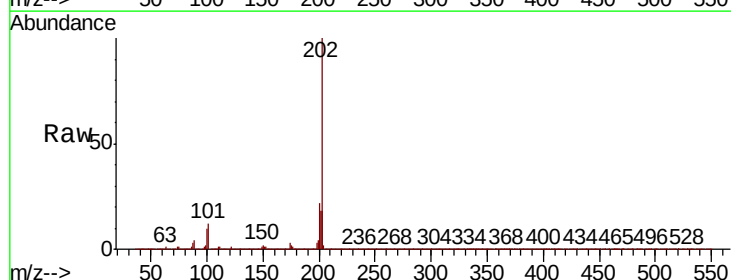
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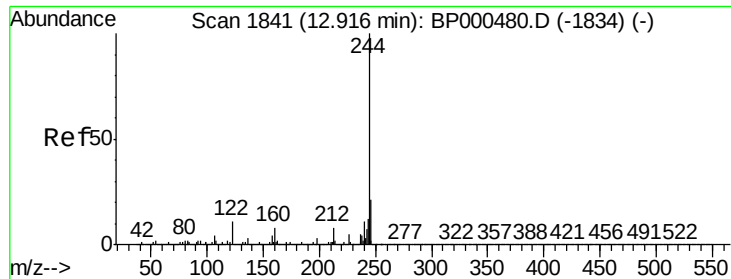
mohammad
10/22/2019 1:39:50 AM



#78
Pyrene
Concen: 57.412 ng
RT: 12.75 min Scan# 1813
Delta R.T. 0.01 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.0
203	18.0	14.1	21.1





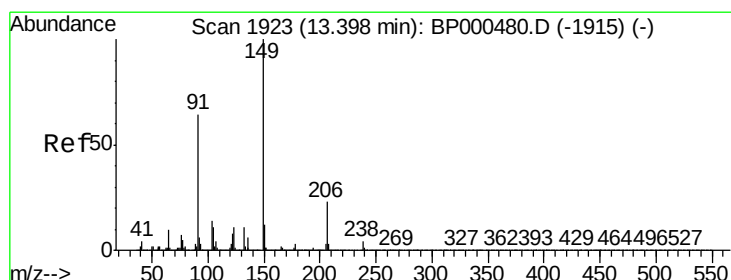
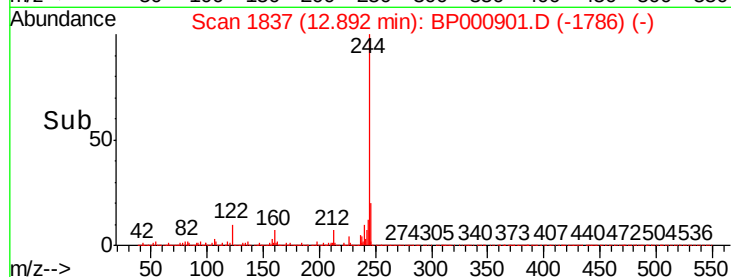
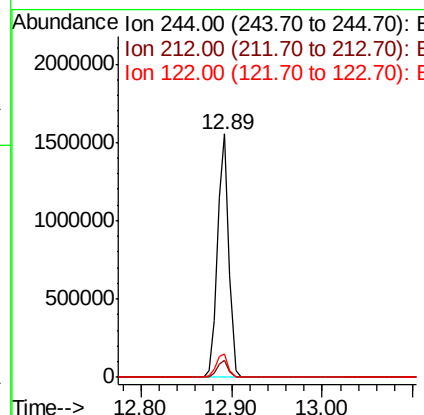
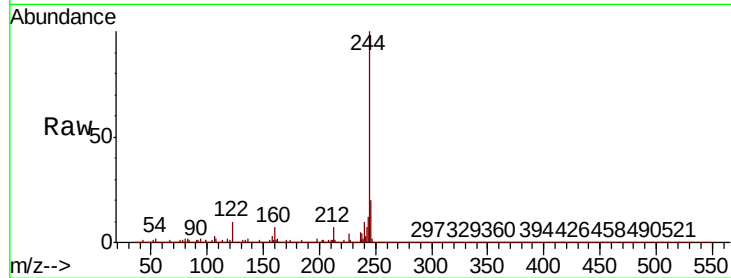
#79
Terphenyl-d14
Concen: 57.982 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.00 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Instrument :
BNA_P
ClientSampled :
SP-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	9.8	7.1	10.7

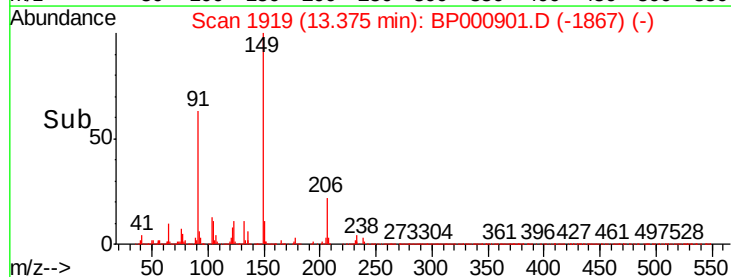
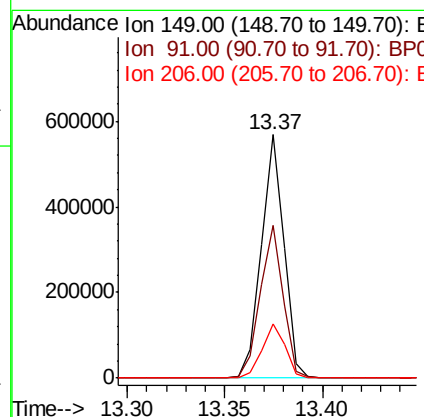
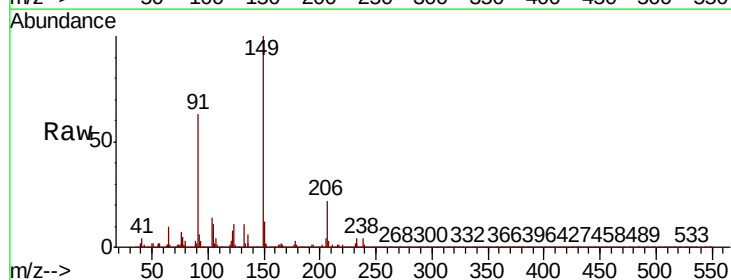
Manual Integrations
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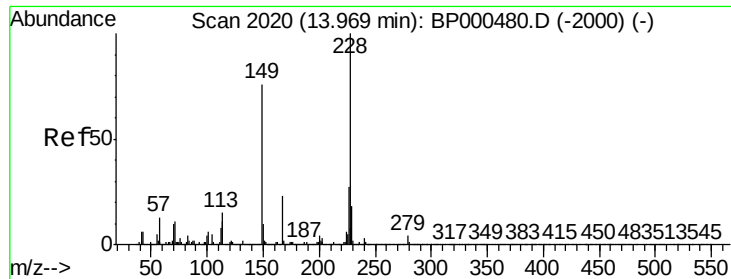
mohammad
10/22/2019 1:39:50 AM



#80
Butylbenzylphthalate
Concen: 32.204 ng
RT: 13.37 min Scan# 1919
Delta R.T. 0.01 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Tgt Ion	Ratio	Lower	Upper
149	100		
91	62.7	51.9	77.9
206	22.4	17.3	25.9





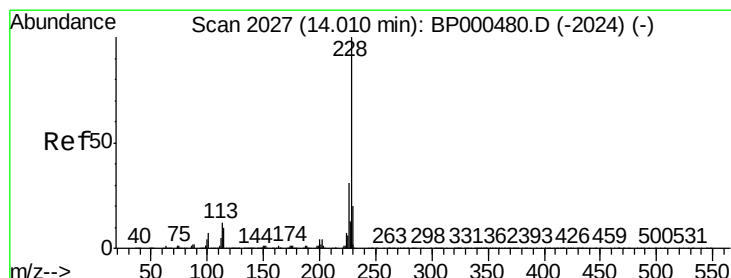
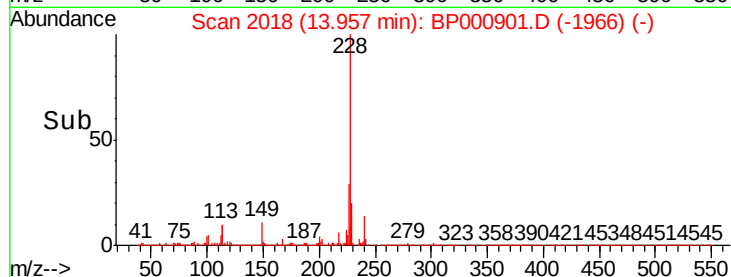
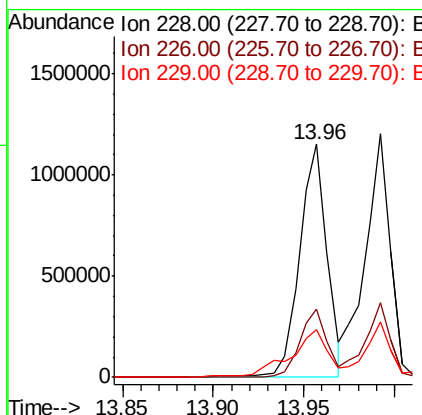
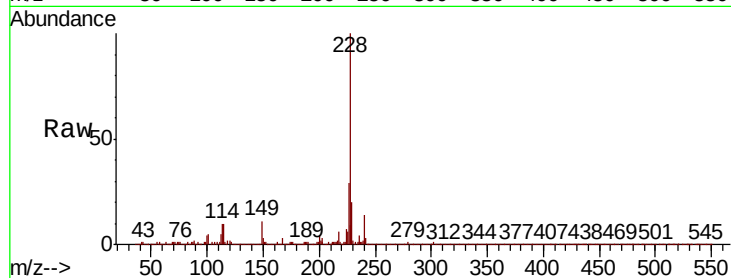
#81
Benzo(a)anthracene
Concen: 42.476 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Instrument :
BNA_P
ClientSampled :
SP-2

Tot Ion:228 Resp: 1217808
Ion Ratio Lower Upper
228 100
226 29.3 21.8 32.8
229 20.4 15.7 23.5

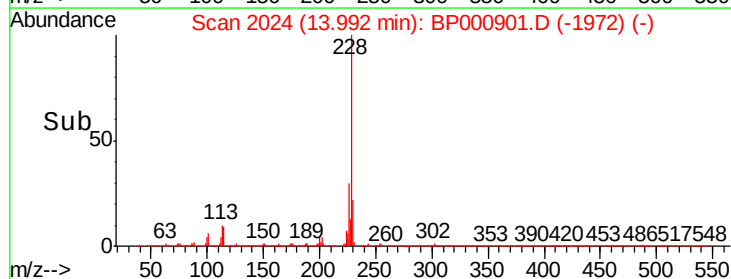
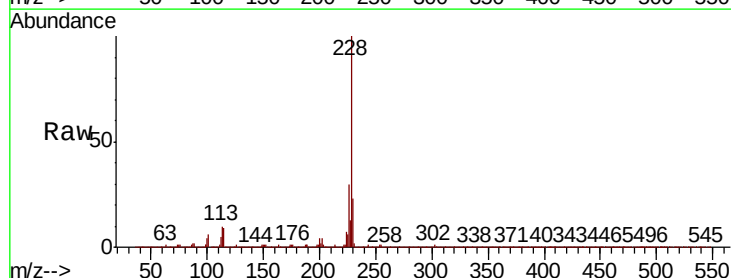
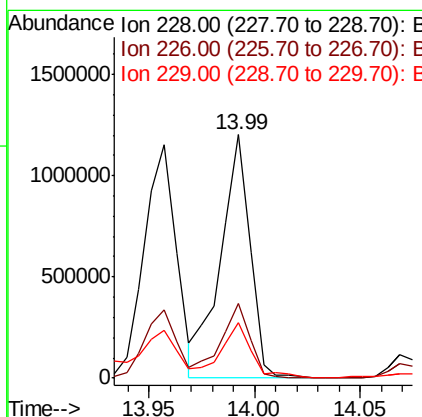
Manual Integrations
APPROVED

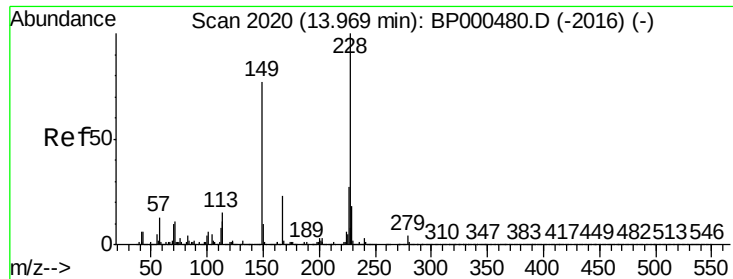
mohammad
10/22/2019 1:39:50 AM



#83
Chrysene
Concen: 41.200 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Tgt Ion:228 Resp: 1159353
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 22.5 16.2 24.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 27.188 ng

RT: 13.95 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BP000901.D

Acq: 19 Oct 2019 01:29

Instrument :

BNA_P

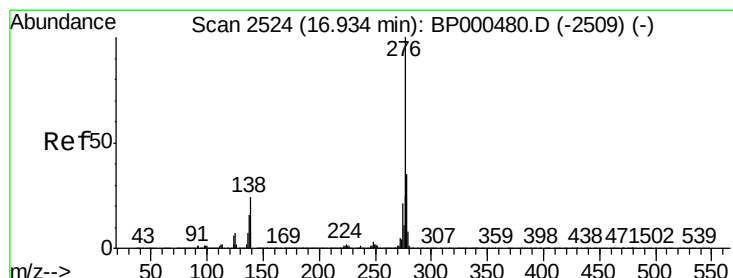
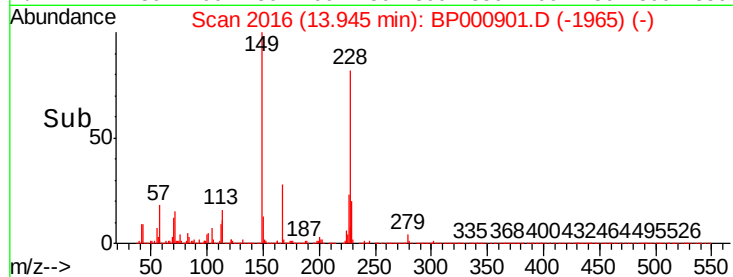
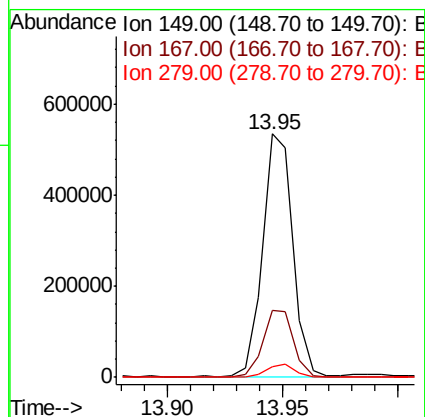
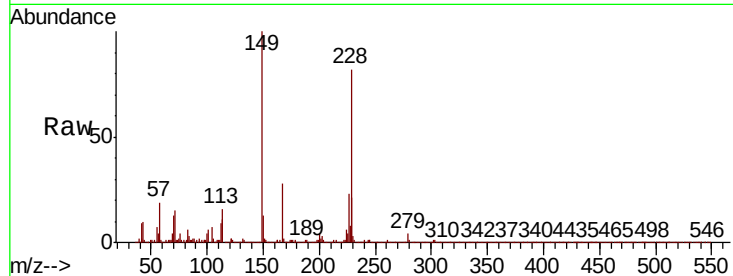
ClientSampleId :

SP-2

Tot Ion:	149	Resp:	482891
Ion Ratio	Lower	Upper	
149	100		
167	27.8	23.1	34.7
279	4.4	4.7	7.1#

Manual Integrations
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mohammad
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#86

Indeno(1,2,3-cd)pyrene

Concen: 17.989 ng

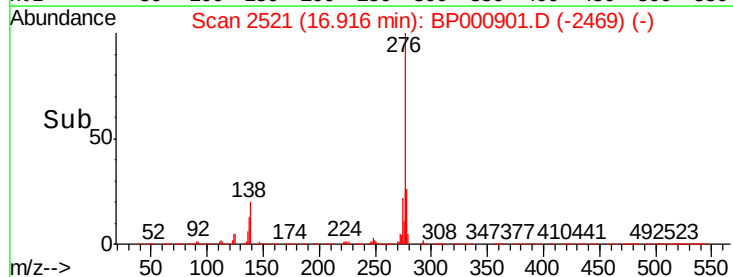
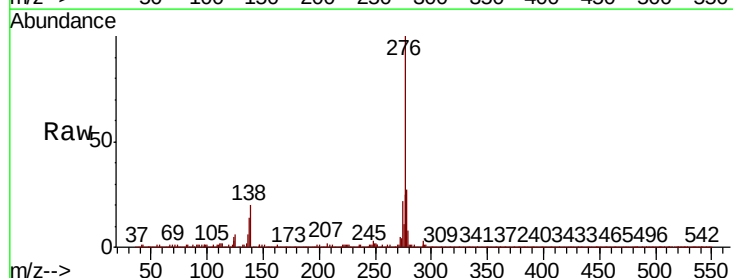
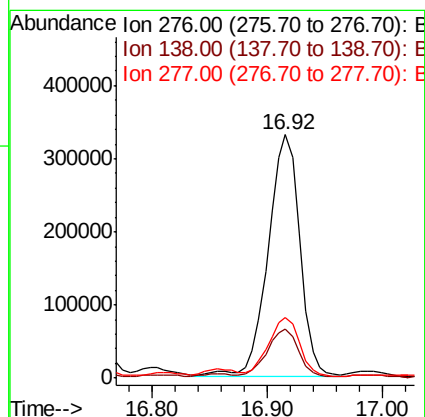
RT: 16.92 min Scan# 2521

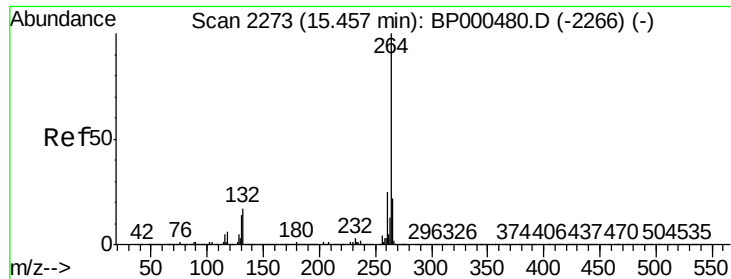
Delta R.T. 0.01 min

Lab File: BP000901.D

Acq: 19 Oct 2019 01:29

Tgt Ion:	276	Resp:	632335
Ion Ratio	Lower	Upper	
276	100		
138	19.3	19.1	28.7
277	23.8	20.4	30.6





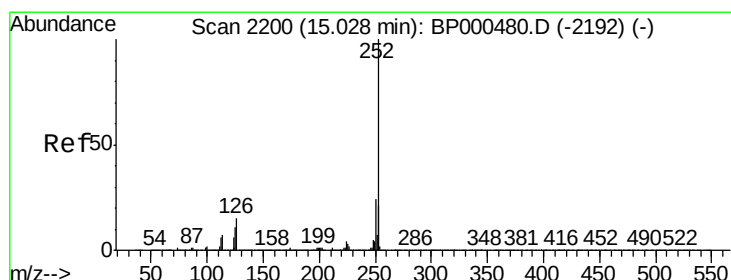
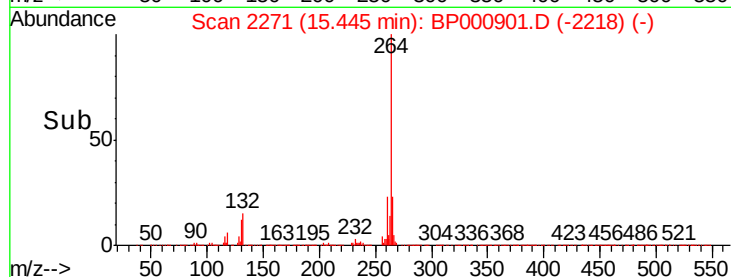
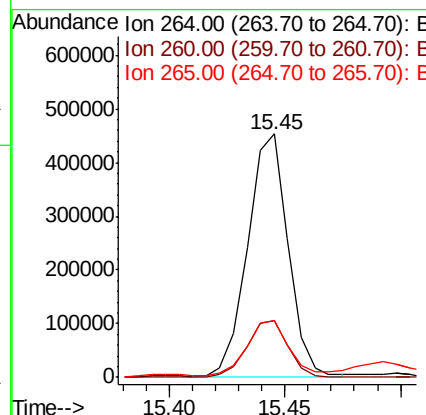
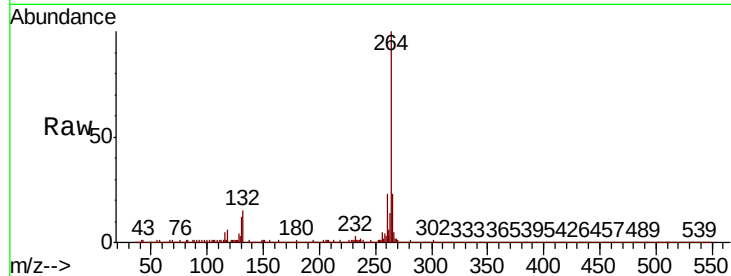
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Instrument :
BNA_P
ClientSampleId :
SP-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	23.1	17.4	26.0

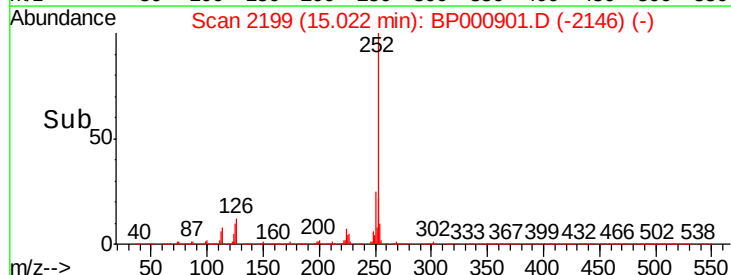
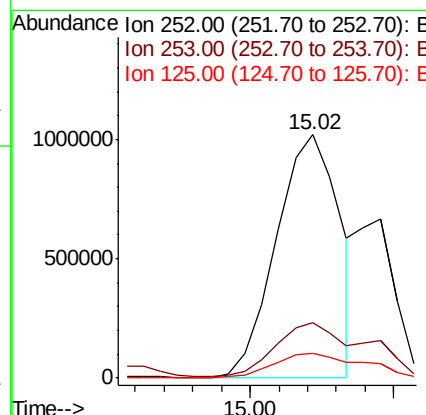
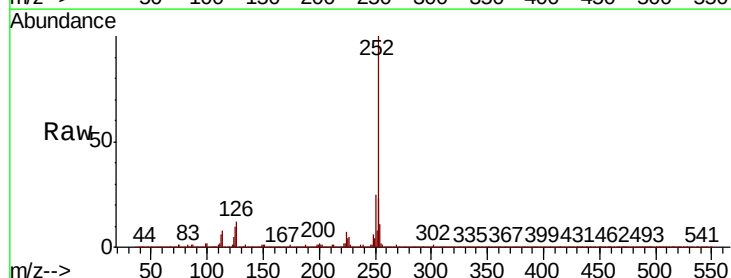
Manual Integrations
APPROVED

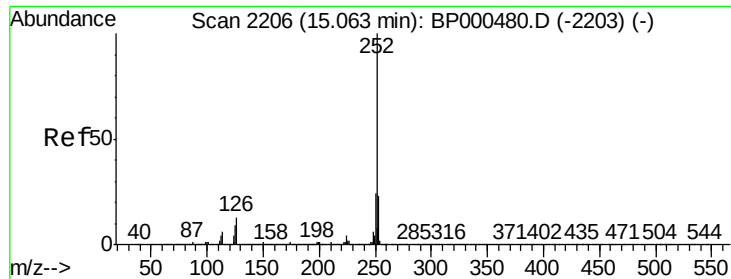
mohammad
10/22/2019 1:39:50 AM



#88
Benzo(b)fluoranthene
Concen: 49.968 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	10.3	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 20.377 ng m

RT: 15.05 min Scan# 2203

Delta R.T. 0.01 min

Lab File: BP000901.D

Acq: 19 Oct 2019 01:29

Instrument :

BNA_P

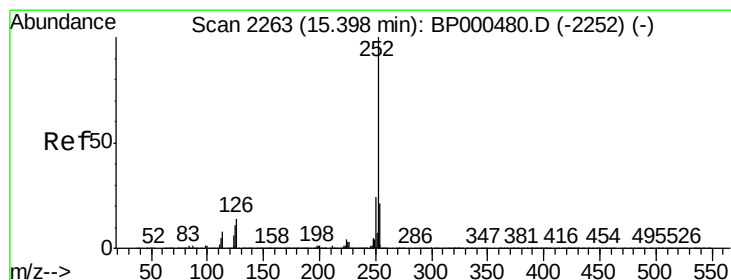
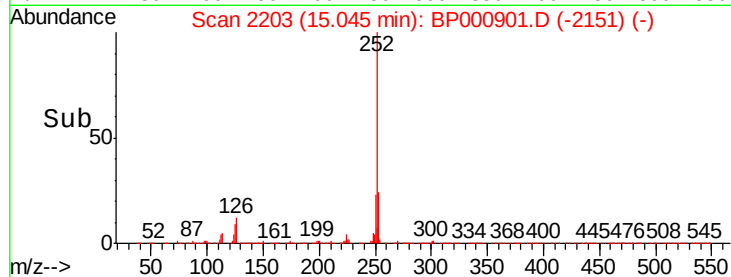
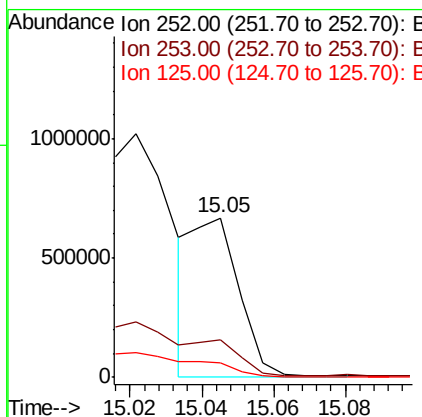
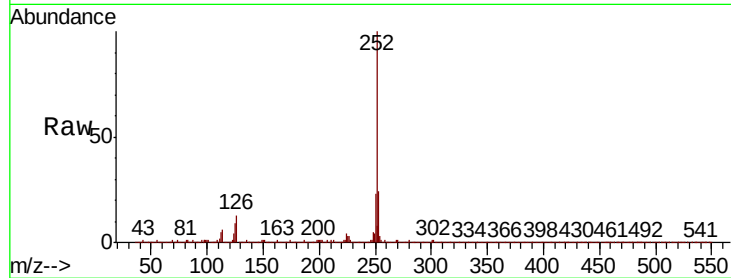
ClientSampleId :

SP-2

Tot Ion:	252	Resp:	606796
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.6	26.4
125	9.1	7.1	10.7

Manual Integrations
APPROVED

mohammad
10/22/2019 1:39:50 AM



#90

Benzo(a)pyrene

Concen: 36.562 ng

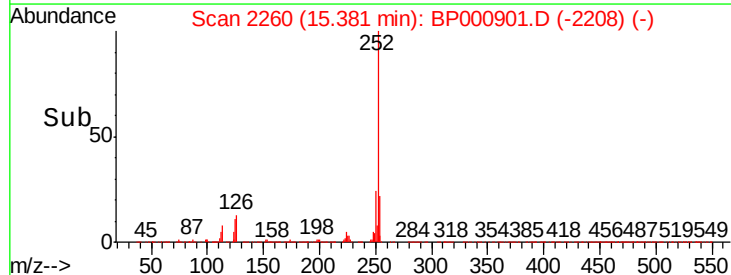
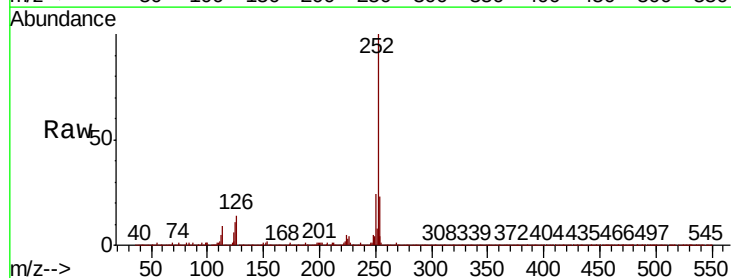
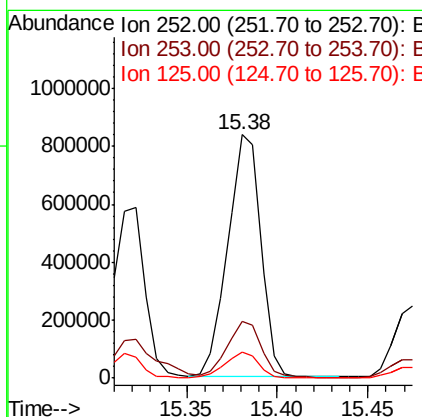
RT: 15.38 min Scan# 2260

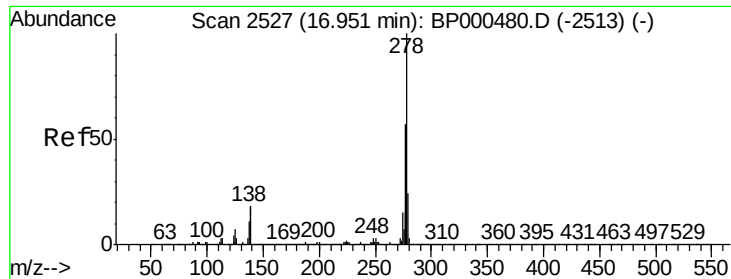
Delta R.T. 0.01 min

Lab File: BP000901.D

Acq: 19 Oct 2019 01:29

Tgt Ion:	252	Resp:	1066060
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.3	25.9
125	10.9	8.2	12.2





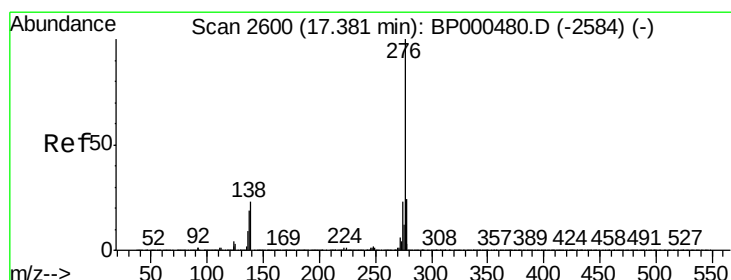
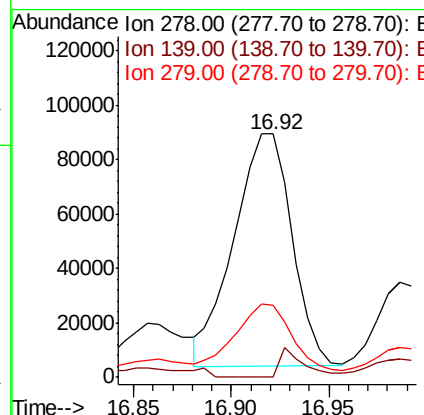
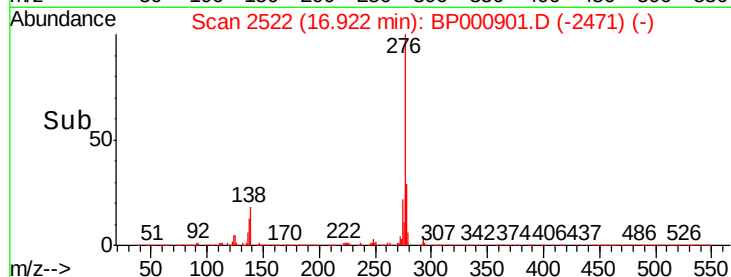
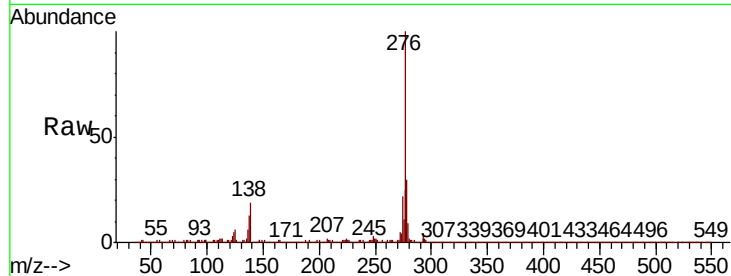
#91
Dibenzo(a,h)anthracene
Concen: 6.268 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.00 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Instrument :
BNA_P
ClientSampled :
SP-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.4	18.6#
279	29.4	19.1	28.7#

Manual Integrations
APPROVED

mohammad
10/22/2019 1:39:50 AM



#92
Benzo(g,h,i)perylene
Concen: 17.916 ng
RT: 17.36 min Scan# 2596
Delta R.T. 0.01 min
Lab File: BP000901.D
Acq: 19 Oct 2019 01:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	20.5	16.6	24.8

