

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090420\
 Data File : BP003216.D
 Acq On : 04 Sep 2020 17:50
 Operator : CG/JU
 Sample : L3877-09 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

Quant Time: Sep 04 18:35:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	302175	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	1160656	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	644030	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	1130993	20.00	ng	0.00
76) Chrysene-d12	21.14	240	951450	20.00	ng	0.00
86) Perylene-d12	23.38	264	1071600	20.00	ng	0.01

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	250843	14.68	ng	0.00
7) Phenol-d6	6.84	99	292360	13.65	ng	0.00
23) Nitrobenzene-d5	8.80	82	172389	10.71	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	111826	12.84	ng	0.00
45) 2-Fluorobiphenyl	12.91	172	412983	9.39	ng	0.00
79) Terphenyl-d14	19.62	244	358408	8.29	ng	0.00

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Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.48	128	204855	3.435	ng	99
38) 1-Methylnaphthalene	12.32	142	195318	4.817	ng	100
49) Acenaphthylene	14.02	152	165491	2.768	ng	96
52) Acenaphthene	14.36	154	95646	2.604	ng	98
71) Phenanthrene	17.09	178	866510	14.139	ng	100
72) Anthracene	17.18	178	260770	4.446	ng	99
75) Fluoranthene	19.07	202	1216923	17.181	ng	100
78) Pyrene	19.42	202	1602095	25.944	ng	100
81) Benzo(a)anthracene	21.13	228	860681	14.442	ng	95
83) Chrysene	21.18	228	885915	15.525	ng	98
87) Indeno(1,2,3-cd)pyrene	25.66	276	757512	9.479	ng	95
88) Benzo(b)fluoranthene	22.71	252	1179256m	17.706	ng	
89) Benzo(k)fluoranthene	22.74	252	346641m	5.447	ng	
90) Benzo(a)pyrene	23.28	252	986861	15.971	ng	97
91) Dibenzo(a,h)anthracene	25.66	278	195163	2.973	ng	# 75
92) Benzo(g,h,i)perylene	26.35	276	882514	13.396	ng	99

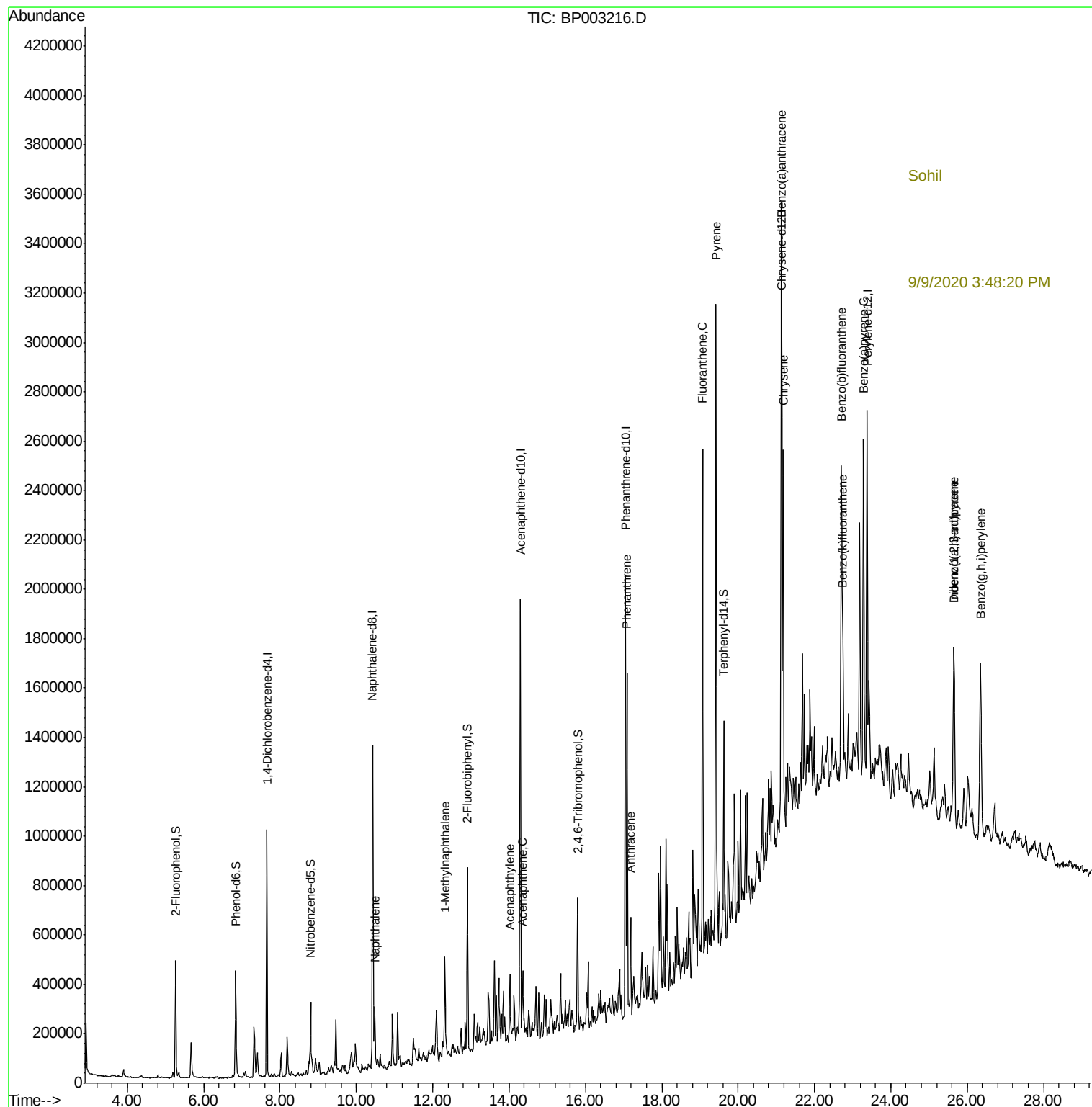
(#) = qualifier out of range (m) = manual integration (+) = signals summed

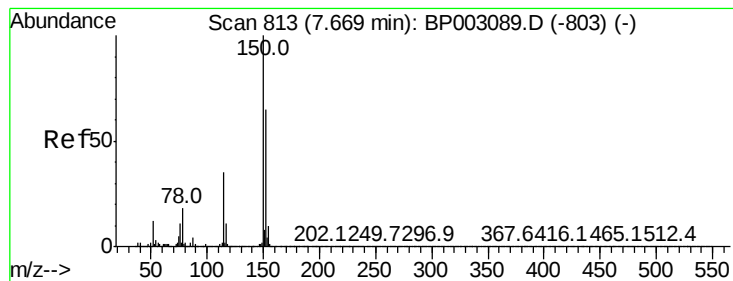
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090420\
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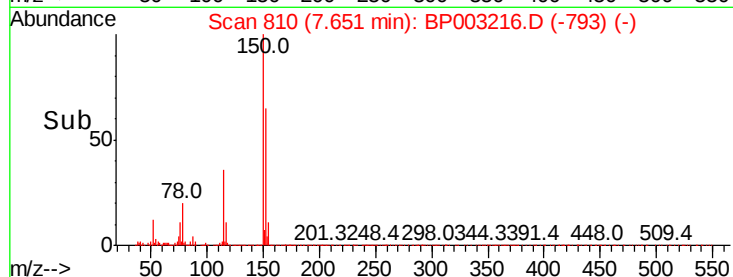
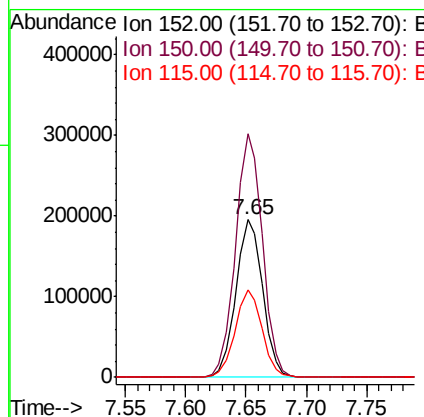
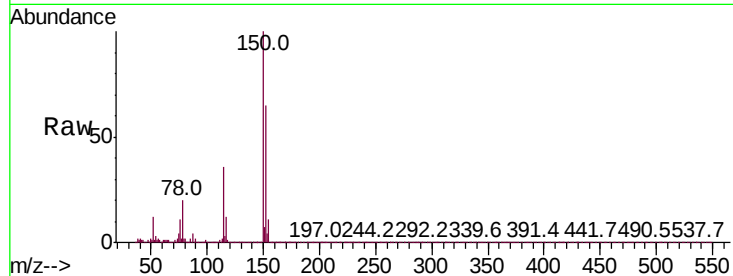


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.65 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BP003216.D
 Acq: 04 Sep 2020 17:50

Instrument :
 BNA_P
 ClientSampled :
 TP-2

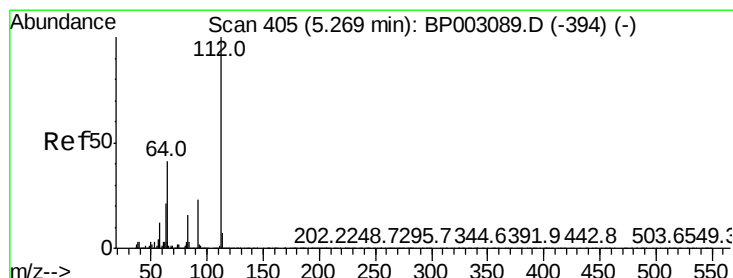
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	123.8	185.6
115	55.7	43.8	65.6

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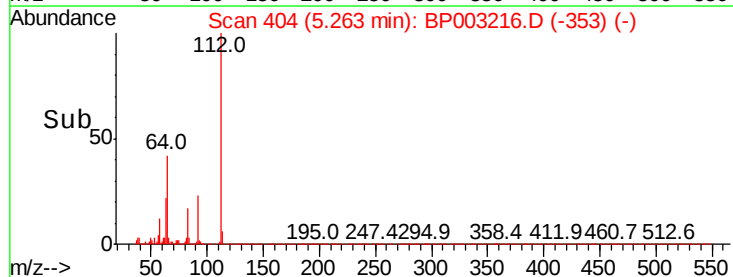
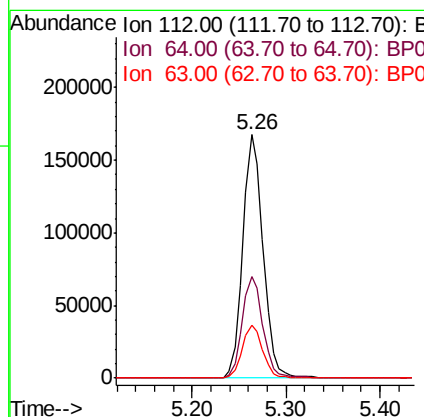
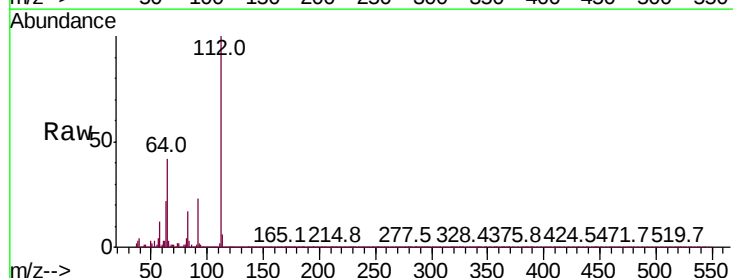
Sohil

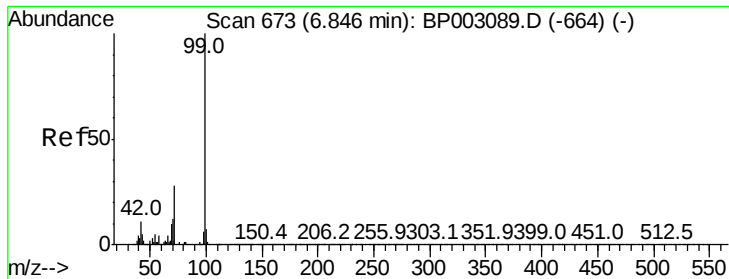
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#5
 2-Fluorophenol
 Concen: 14.677 ng
 RT: 5.26 min Scan# 404
 Delta R.T. -0.00 min
 Lab File: BP003216.D
 Acq: 04 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.7	32.8	49.2
63	21.8	17.0	25.4





#7

Phenol-d6

Concen: 13.646 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

Instrument :

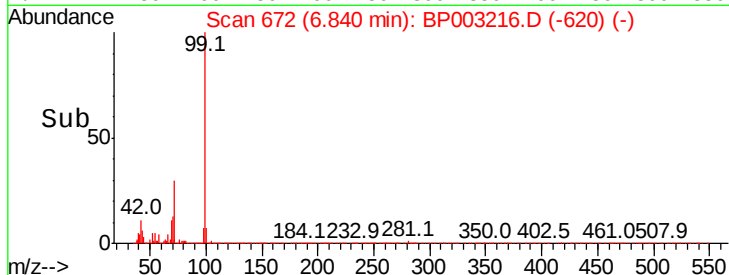
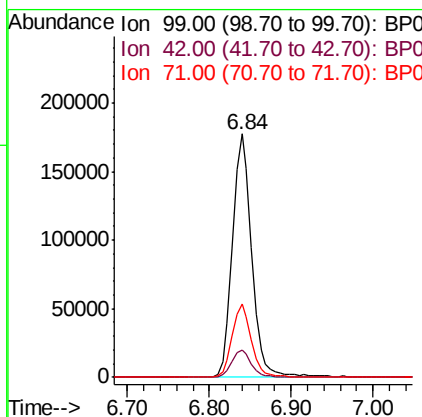
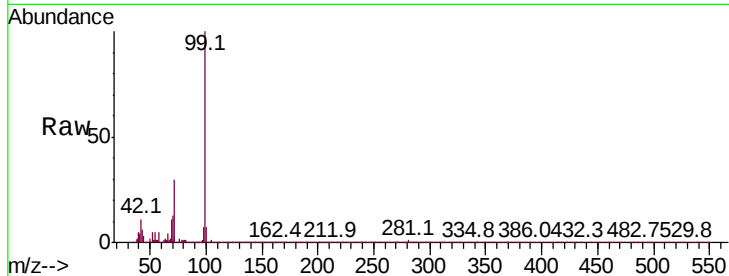
BNA_P

ClientSampled :

TP-2

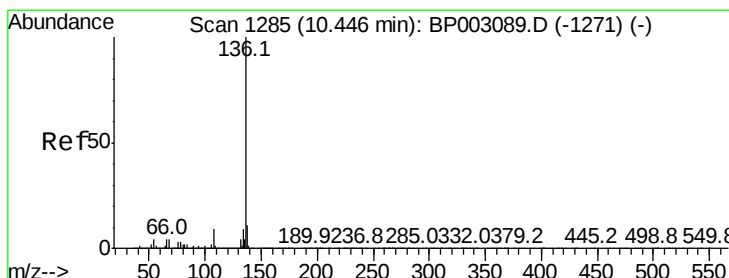
Tot Ion:	99	Resp:	292360
Ion Ratio	Lower	Upper	
99	100		
42	11.4	8.6	13.0
71	30.0	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.000 ng

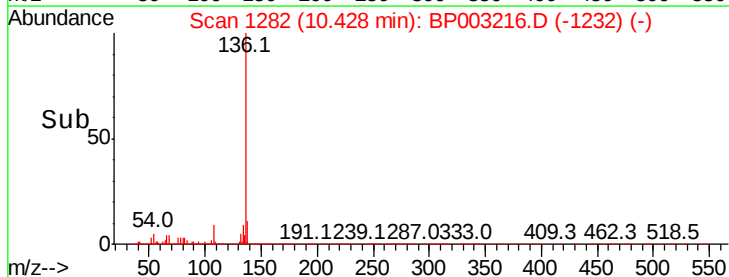
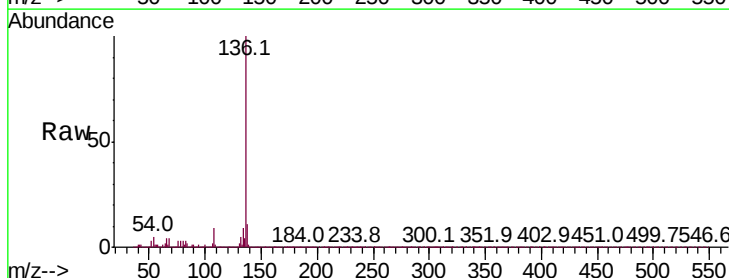
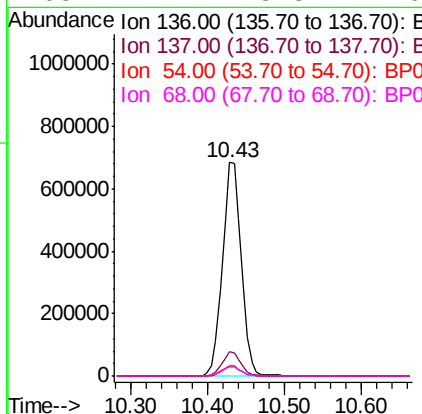
RT: 10.43 min Scan# 1282

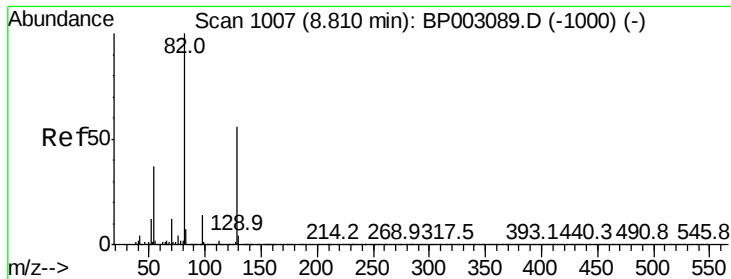
Delta R.T. -0.01 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

Tgt Ion:	136	Resp:	1160656
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	13.0
54	4.9	3.6	5.4
68	4.4	3.3	4.9



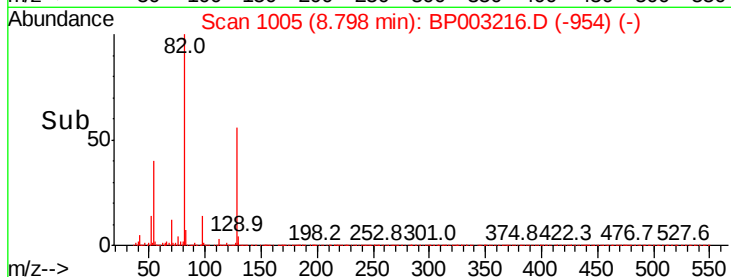
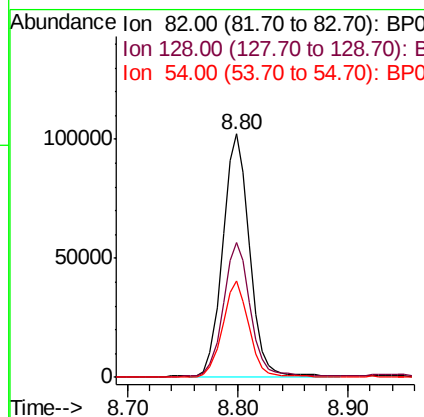
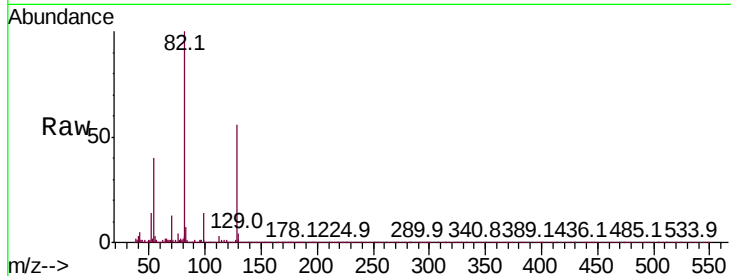


#23
Nitrobenzene-d5
Concen: 10.707 ng
RT: 8.80 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Instrument :
BNA_P
ClientSampled :
TP-2

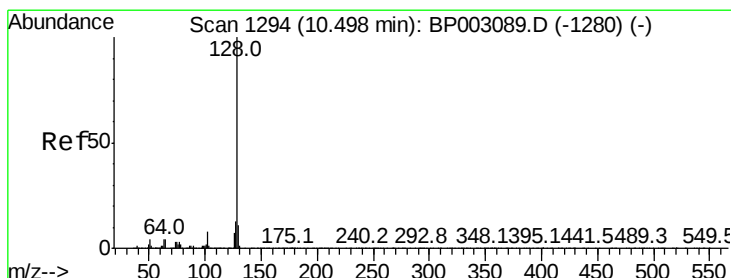
Tot Ion	Ratio	Lower	Upper
82	100		
128	55.6	45.6	68.4
54	39.7	30.1	45.1

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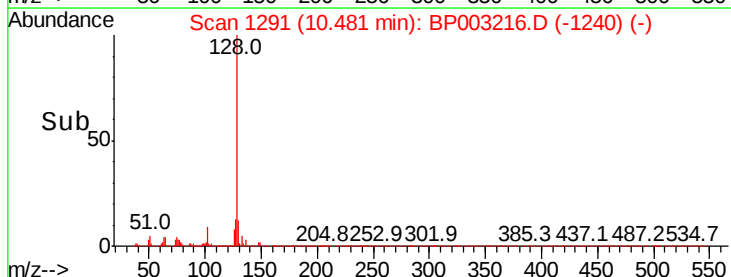
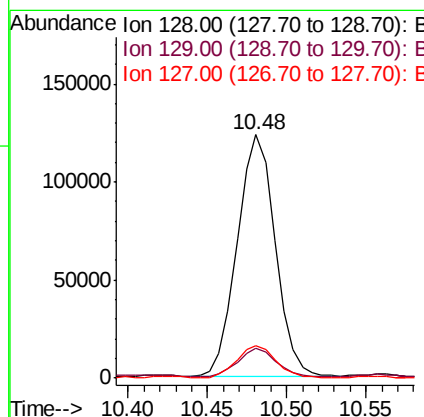
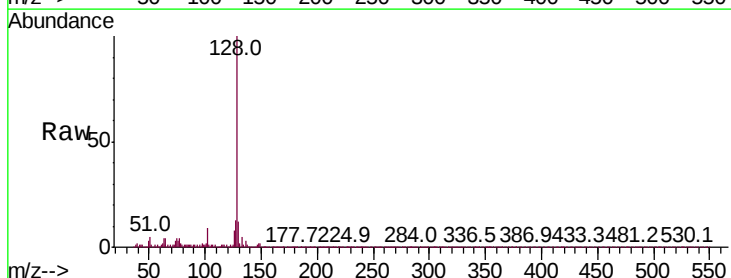
Sohil

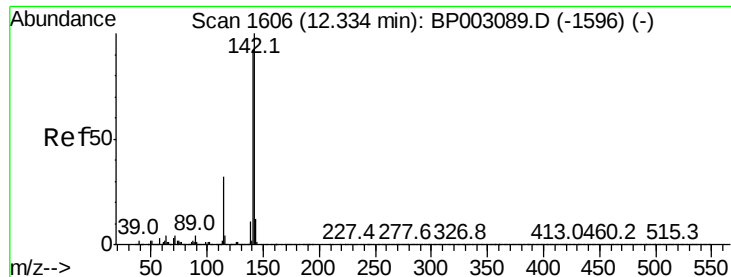
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#31
Naphthalene
Concen: 3.435 ng
RT: 10.48 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.8	13.2
127	13.3	10.6	15.8



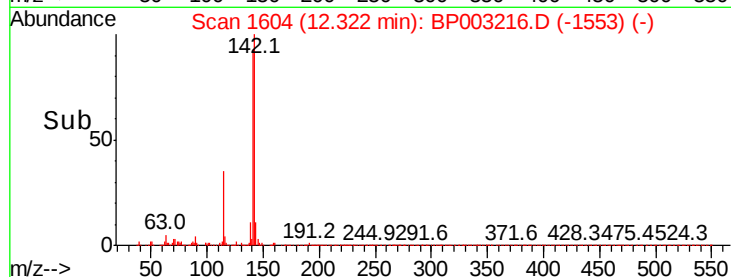
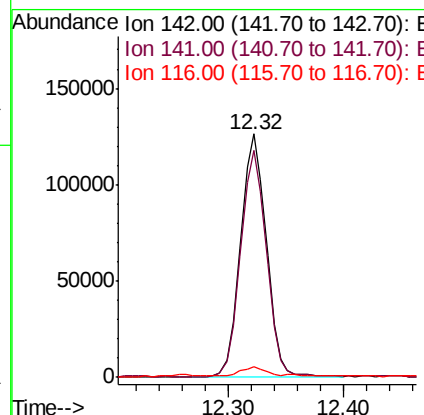
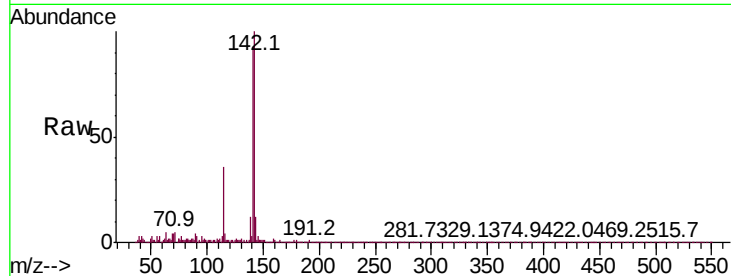


#38
1-Methylnaphthalene
Concen: 4.817 ng
RT: 12.32 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Instrument :
BNA_P
ClientSampled :
TP-2

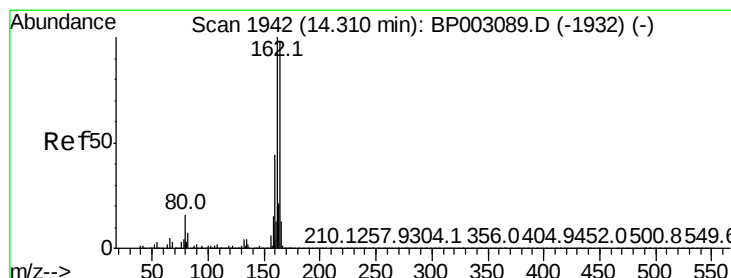
Tot Ion	Ratio	Resp	Lower	Upper
142	100	195318		
141	93.2	74.4	111.6	
116	4.2	2.9	4.3	

Manual Integrations
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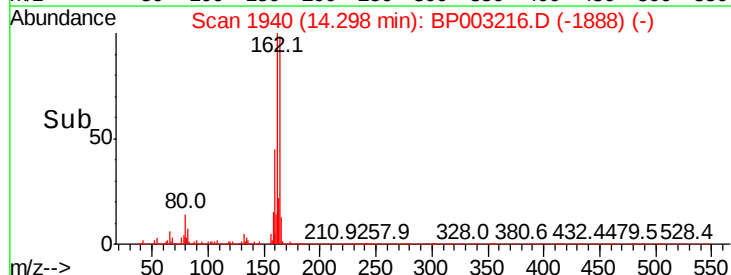
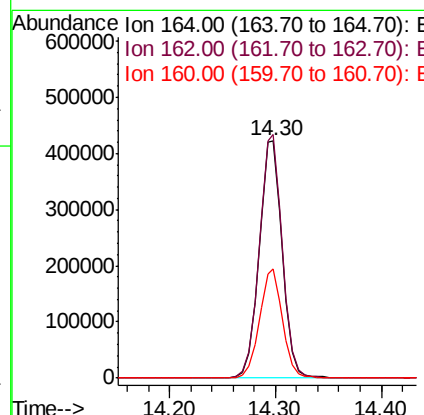
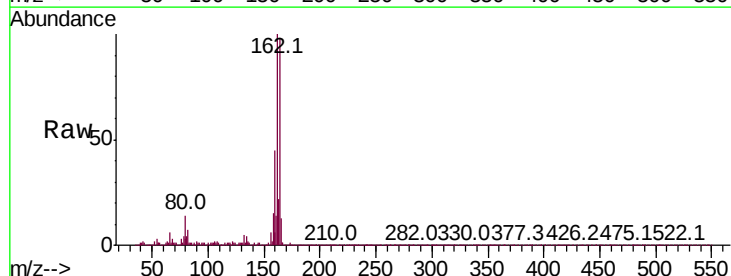
Sohil

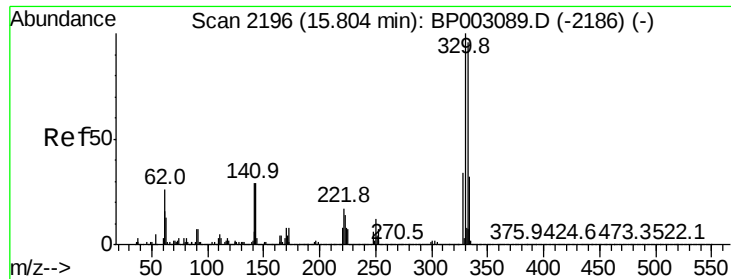
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.30 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	644030		
162	102.4	79.4	119.2	
160	45.7	36.1	54.1	



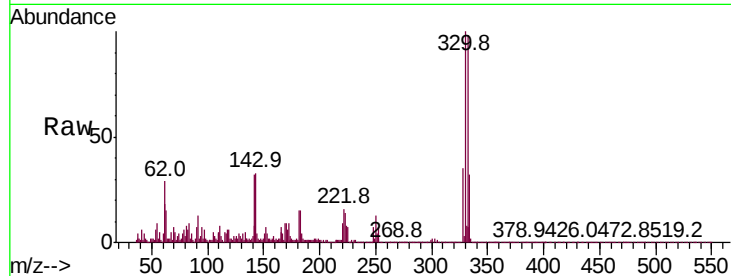


#42
2,4,6-Tribromophenol
Concen: 12.838 ng
RT: 15.79 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

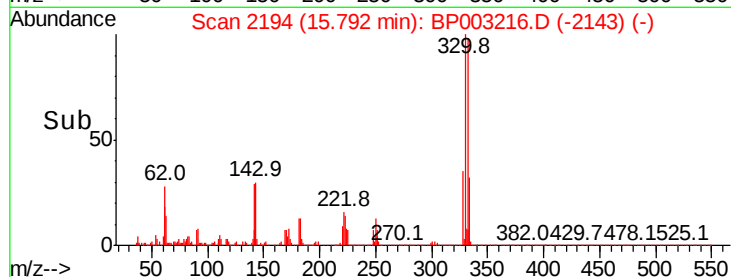
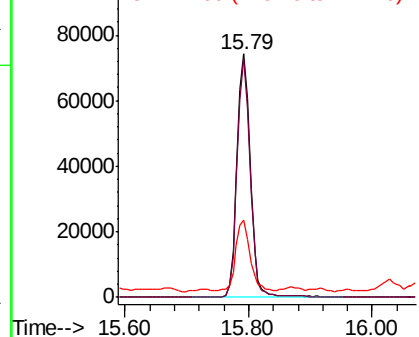
Instrument :
BNA_P
ClientSampled :
TP-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.4	77.1	115.7	
141	29.8	23.4	35.2	

Manual Integrations
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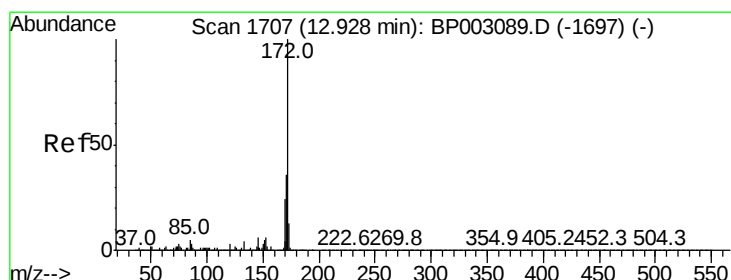


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



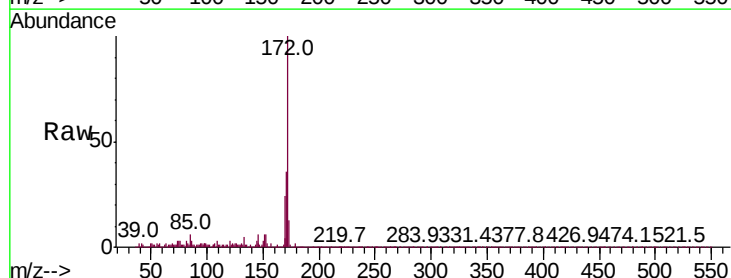
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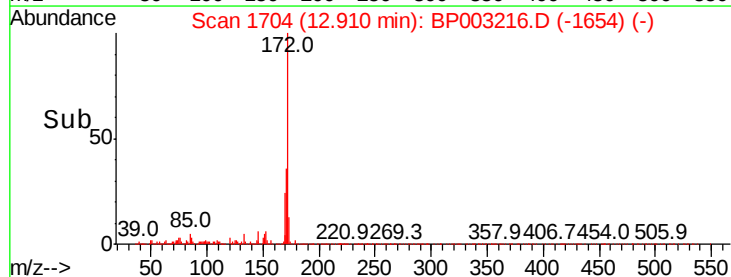
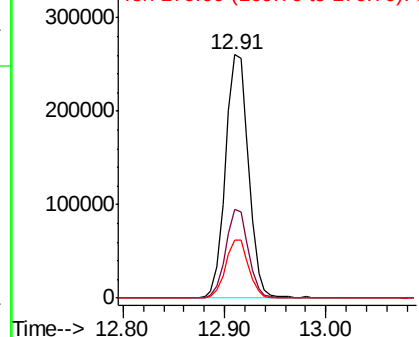


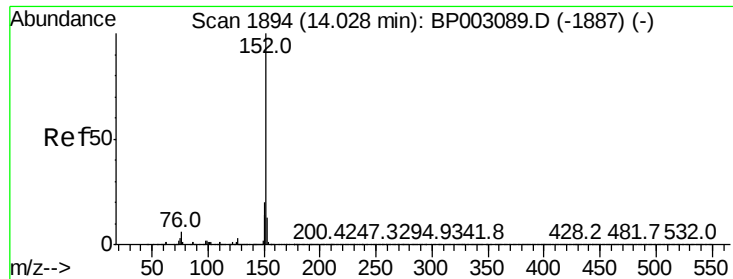
#45
2-Fluorobiphenyl
Concen: 9.391 ng
RT: 12.91 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	28.5	42.7	
170	23.7	19.2	28.8	



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: 2.768 ng

RT: 14.02 min Scan# 1892

Delta R.T. 0.01 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

Instrument :

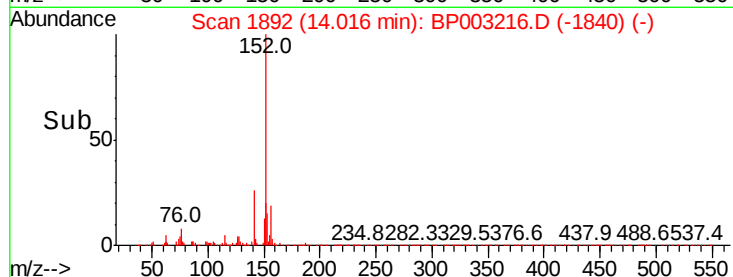
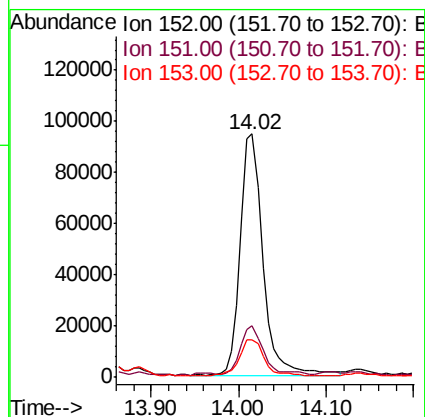
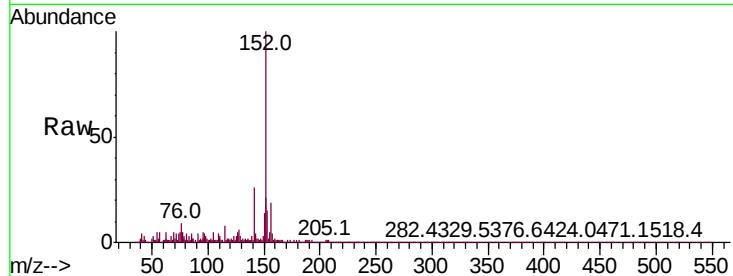
BNA_P

ClientSampled :

TP-2

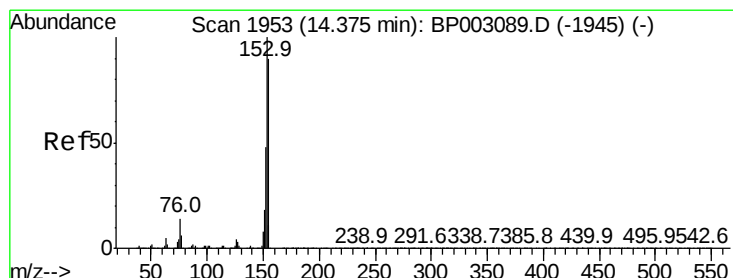
Tot Ion:	152	Resp:	165491
Ion Ratio	Lower	Upper	
152	100		
151	21.2	15.9	23.9
153	15.4	10.5	15.7

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#52

Acenaphthene

Concen: 2.604 ng

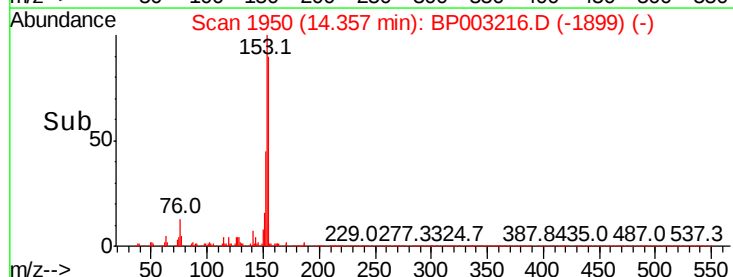
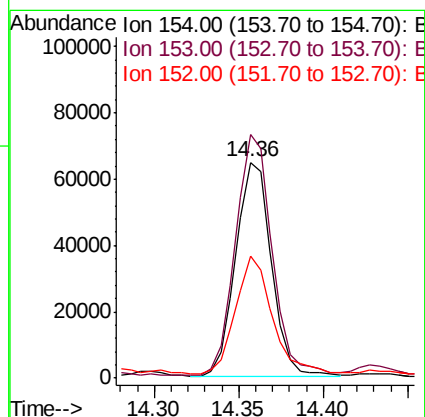
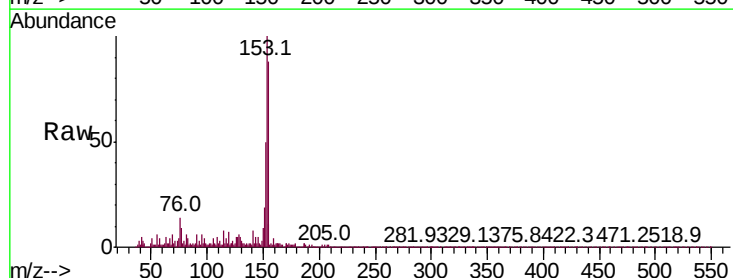
RT: 14.36 min Scan# 1950

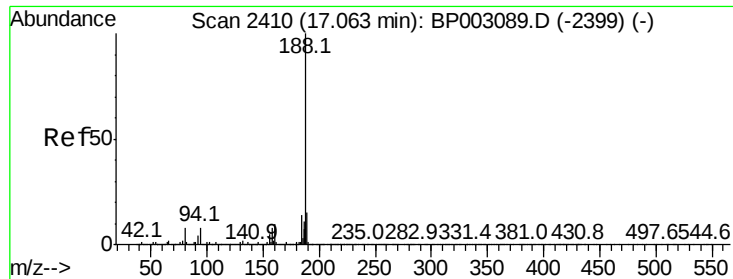
Delta R.T. -0.00 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

Tgt Ion:	154	Resp:	95646
Ion Ratio	Lower	Upper	
154	100		
153	113.0	91.0	136.6
152	56.6	43.0	64.6



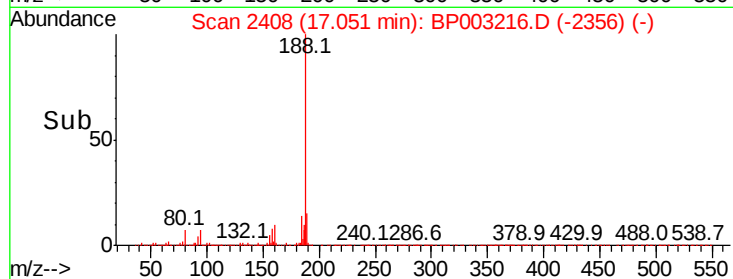
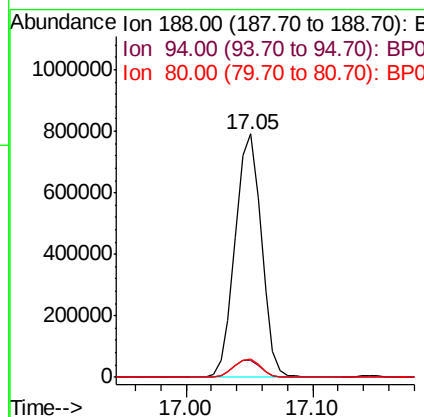
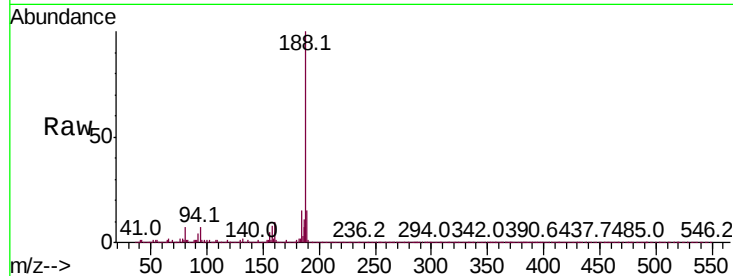


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Instrument :
BNA_P
ClientSampled :
TP-2

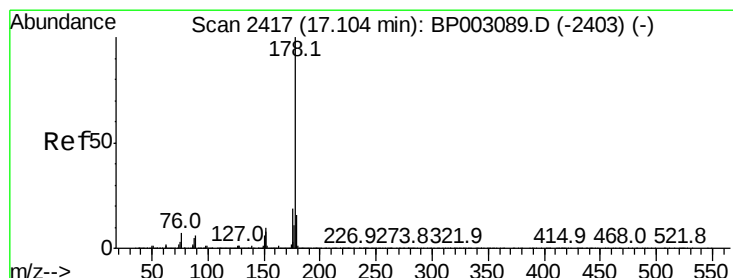
Tot Ion:	188	Resp:	1130993
Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.2	9.2
80	7.4	6.2	9.2

Manual Integrations
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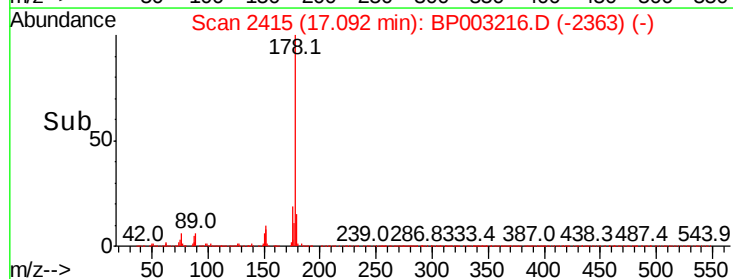
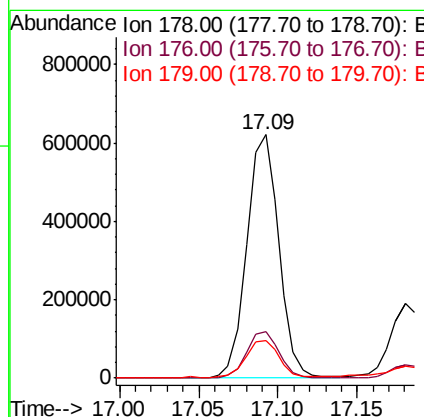
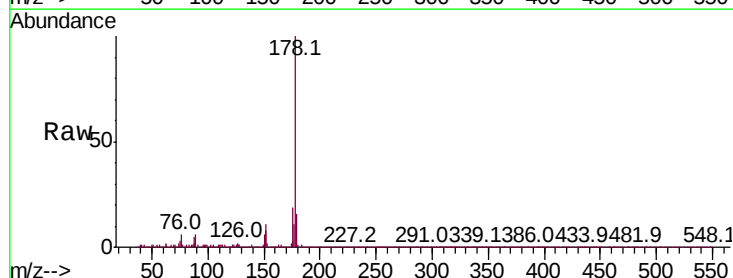
Sohil

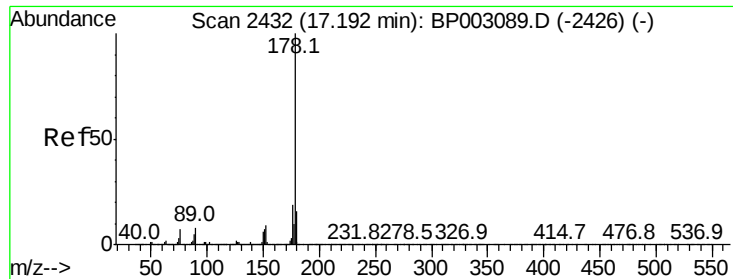
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#71
Phenanthrene
Concen: 14.139 ng
RT: 17.09 min Scan# 2415
Delta R.T. 0.01 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Tgt Ion:	178	Resp:	866510
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.7	12.5	18.7





#72

Anthracene

Concen: 4.446 ng

RT: 17.18 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

Instrument :

BNA_P

ClientSampled :

TP-2

Tot Ion:178 Resp: 260770

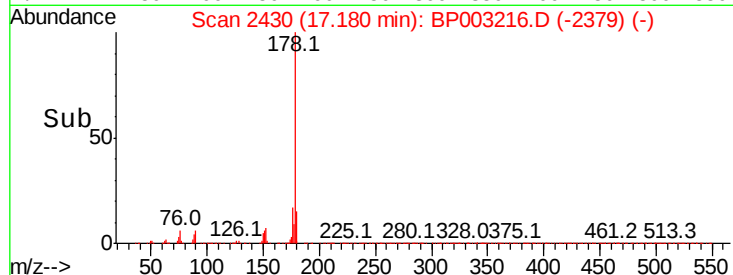
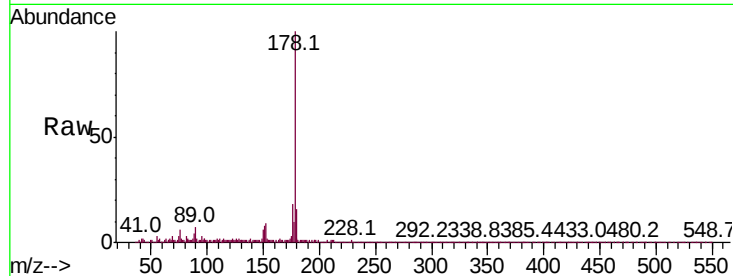
Ion Ratio Lower Upper

178 100

176 17.9 15.0 22.4

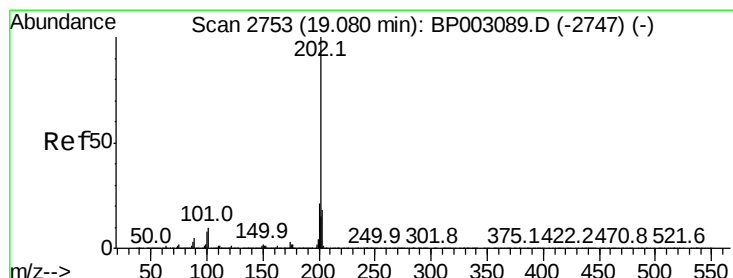
179 15.7 12.5 18.7

Manual Integrations
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Sohil

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#75

Fluoranthene

Concen: 17.181 ng

RT: 19.07 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

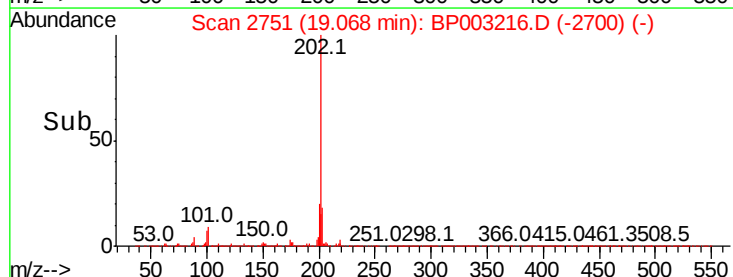
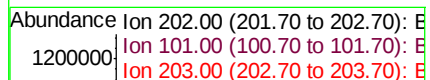
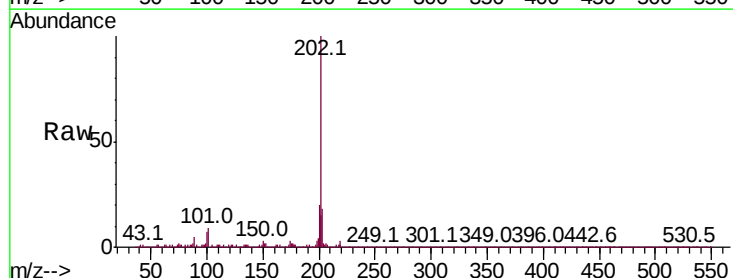
Tgt Ion:202 Resp: 1216923

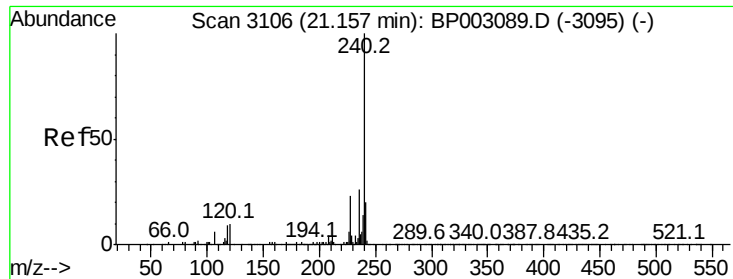
Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.4

203 17.8 0.0 37.8



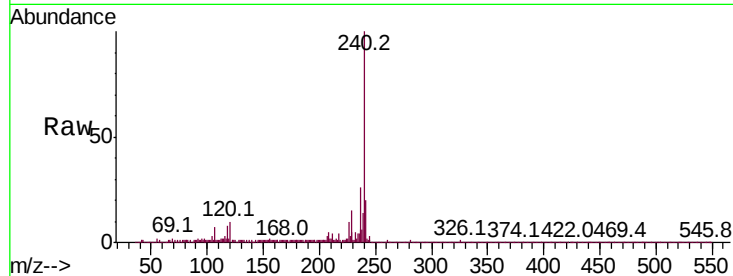


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3104
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Instrument :
BNA_P
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.8	11.6
236	26.4	20.8	31.2

Manual Integrations
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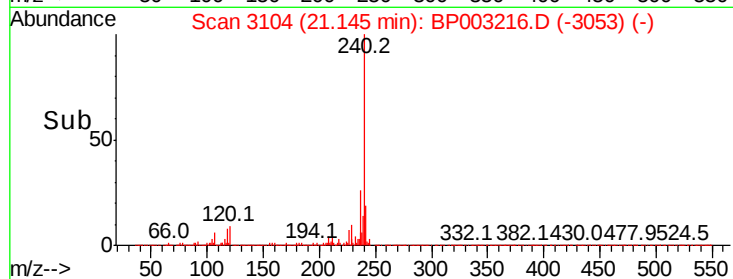
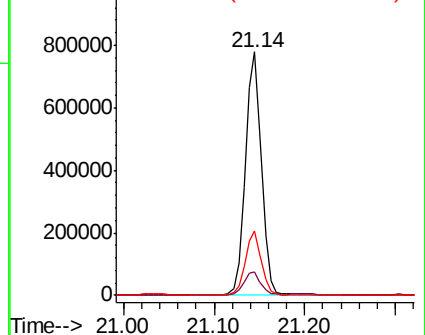


Abundance

Ion 240.00 (239.70 to 240.70): E

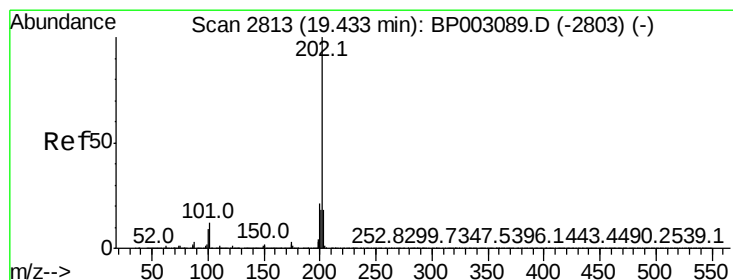
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



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#78
Pyrene
Concen: 25.944 ng
RT: 19.42 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

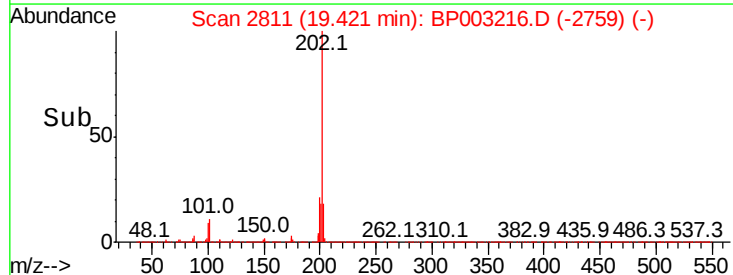
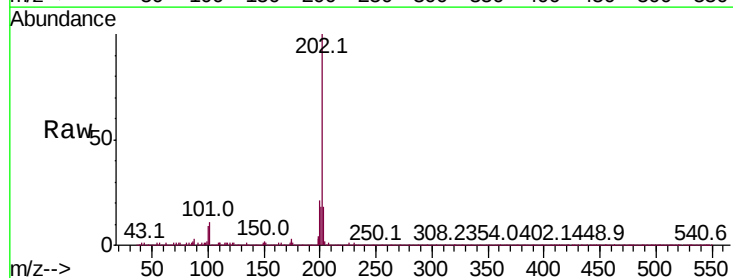
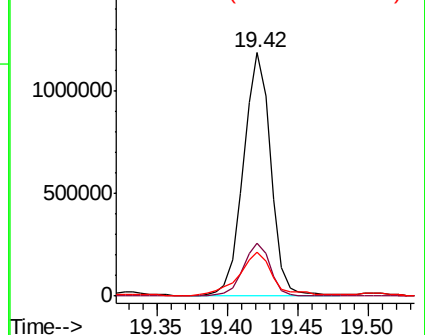
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.1	25.7
203	18.0	14.2	21.2

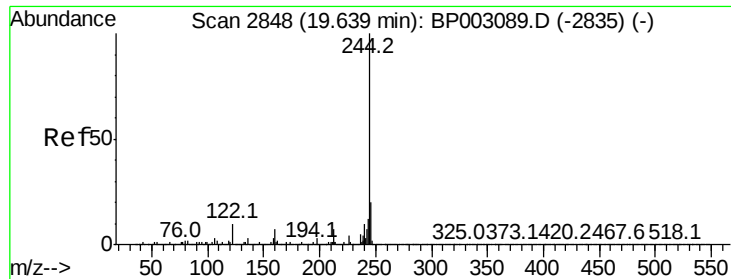
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 8.289 ng

RT: 19.62 min Scan# 2845

Delta R.T. -0.00 min

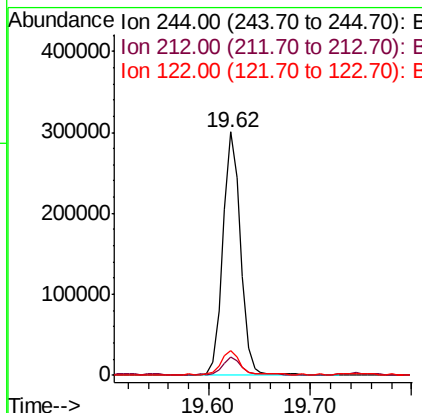
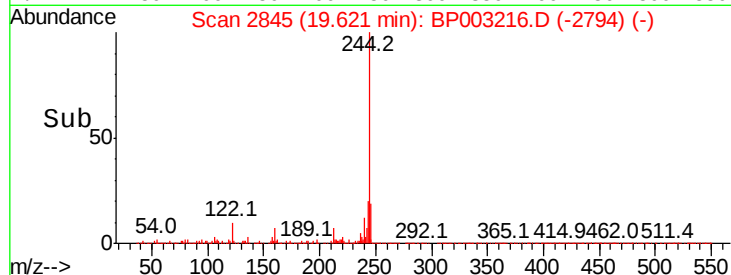
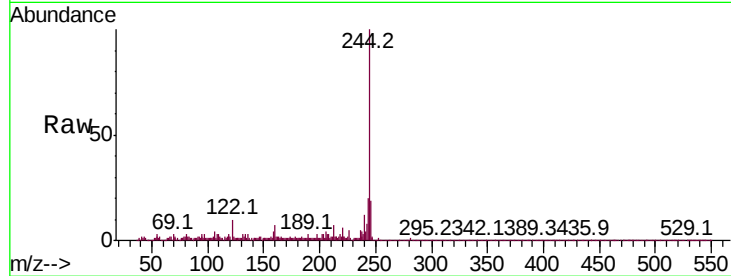
Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

Instrument :
BNA_P
ClientSampled :
TP-2

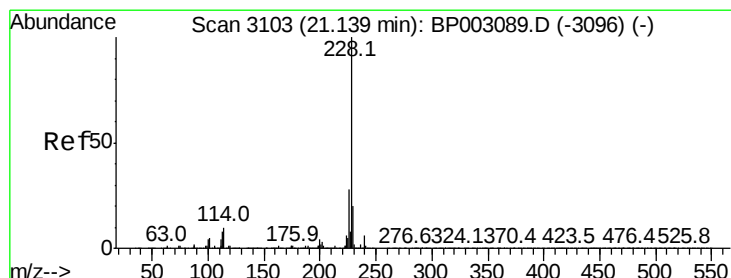
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	10.2	7.8	11.8

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 14.442 ng

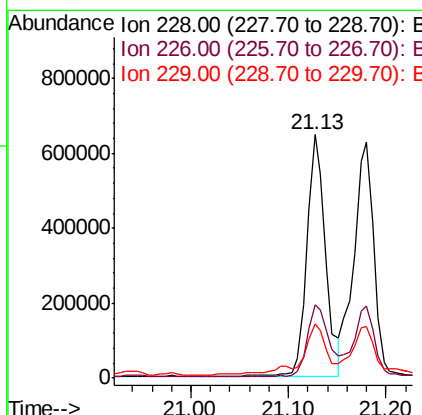
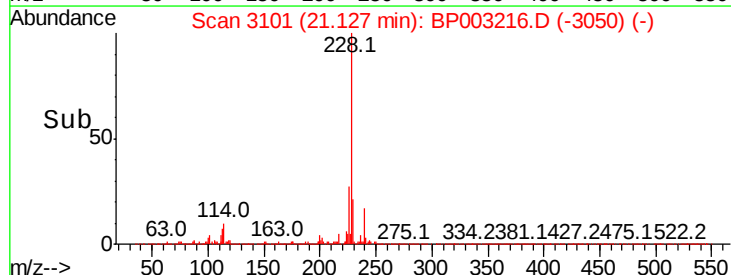
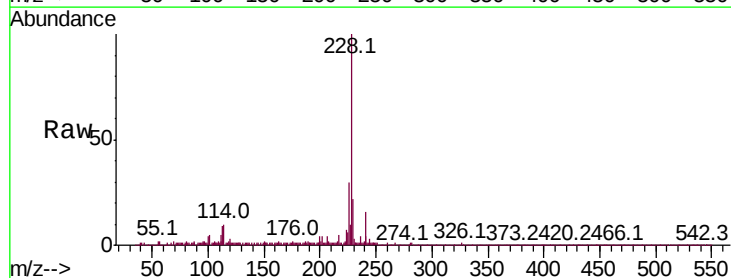
RT: 21.13 min Scan# 3101

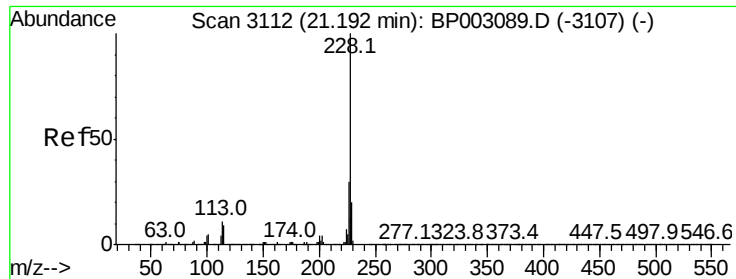
Delta R.T. -0.00 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.1	33.1
229	22.4	15.9	23.9



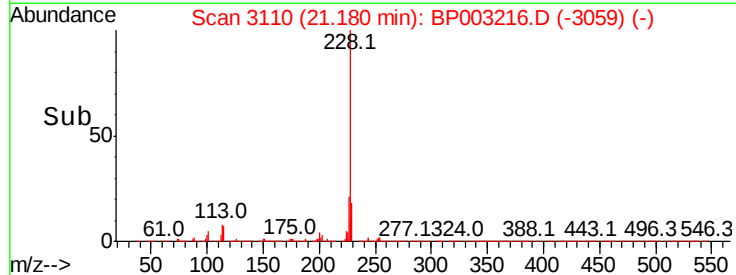
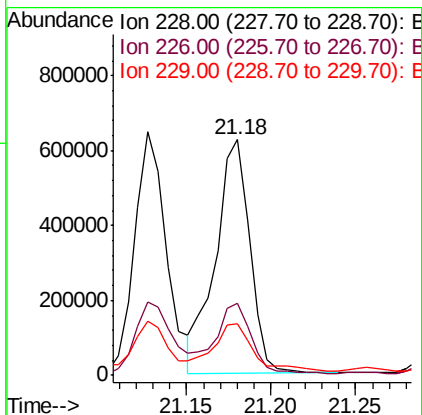
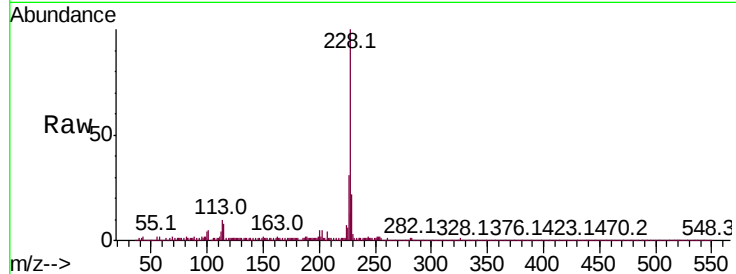


#83
Chrysene
Concen: 15.525 ng
RT: 21.18 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Instrument :
BNA_P
ClientSampled :
TP-2

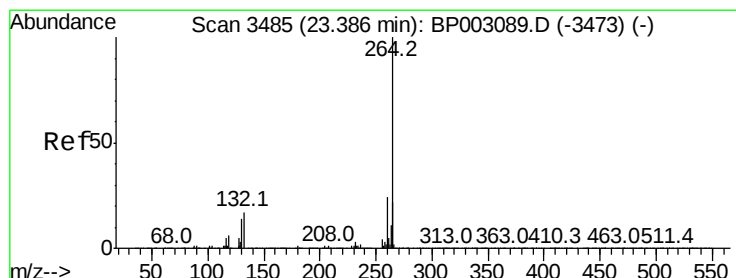
Tot Ion:	228	Resp:	885915
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.4	36.6
229	22.1	15.8	23.6

Manual Integrations
APPROVED



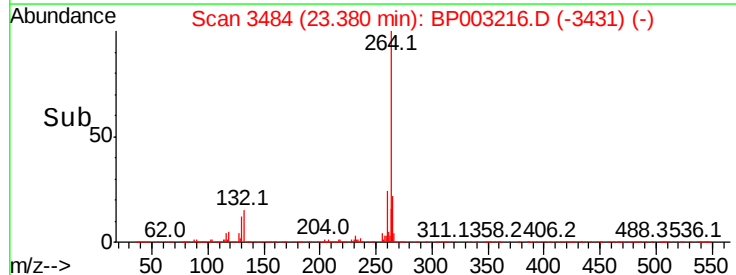
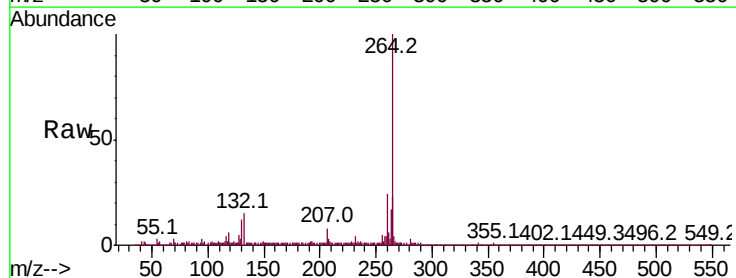
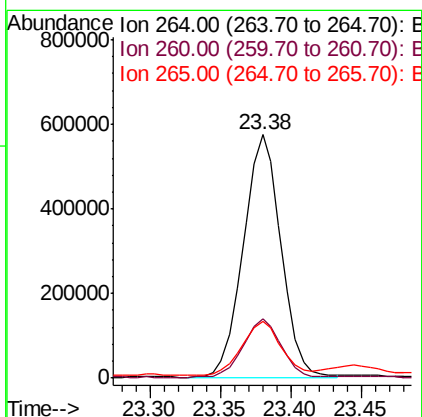
Sohil

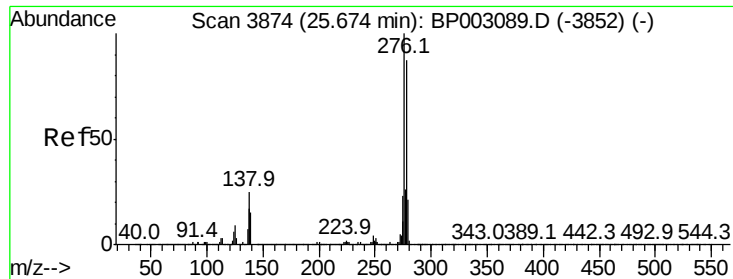
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Tgt Ion:	264	Resp:	1071600
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.8	28.2
265	23.1	17.4	26.2



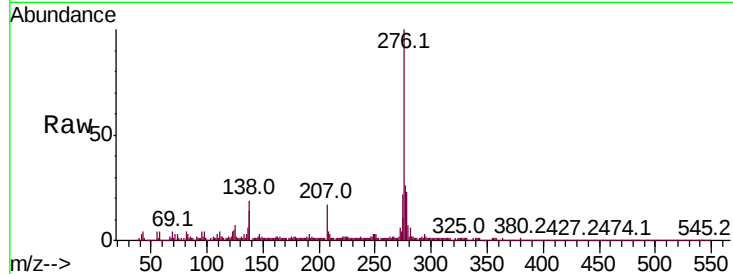


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.479 ng
 RT: 25.66 min Scan# 3871
 Delta R.T. 0.01 min
 Lab File: BP003216.D
 Acq: 04 Sep 2020 17:50

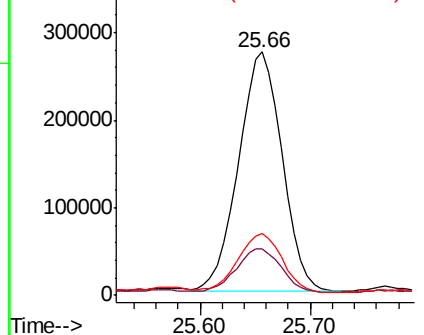
Instrument :
 BNA_P
 ClientSampled :
 TP-2

Tot Ion:	276	Resp:	757512
Ion Ratio	Lower	Upper	
276	100		
138	19.4	18.7	28.1
277	24.8	20.4	30.6

Manual Integrations
 APPROVED

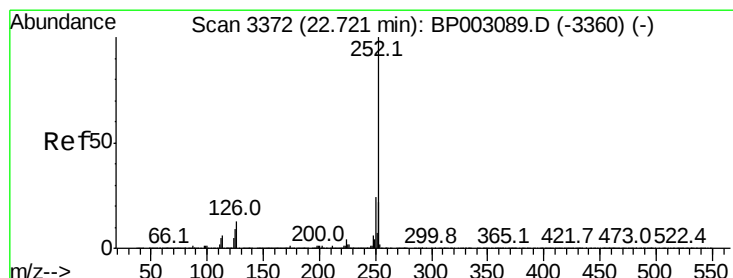
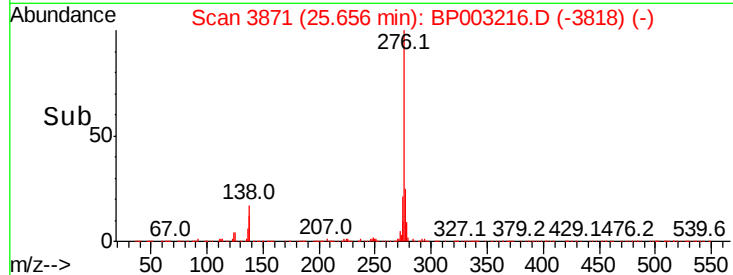


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



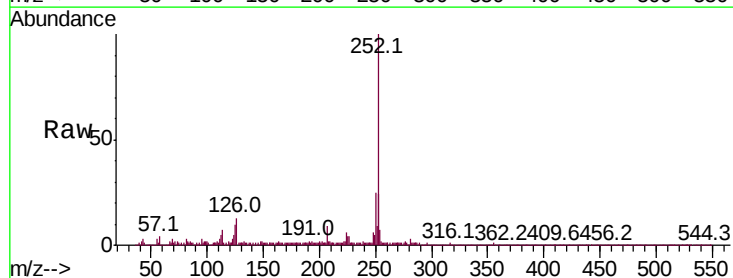
Sohil

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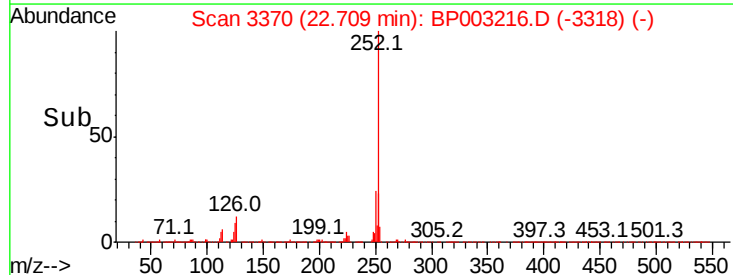
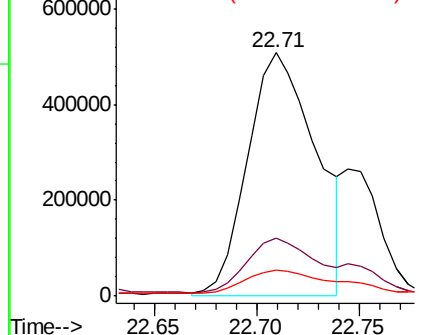


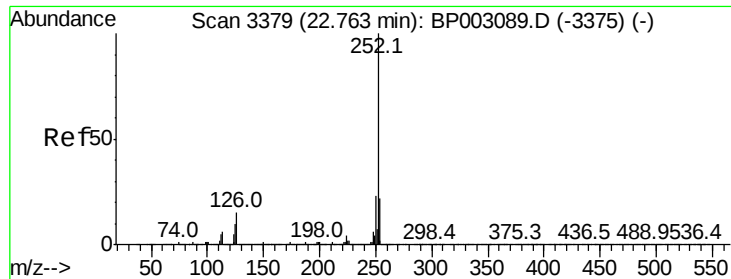
#88
 Benzo(b)fluoranthene
 Concen: 17.706 ng m
 RT: 22.71 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: BP003216.D
 Acq: 04 Sep 2020 17:50

Tgt Ion:	252	Resp:	1179256
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.6	26.4
125	10.4	7.3	10.9



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E



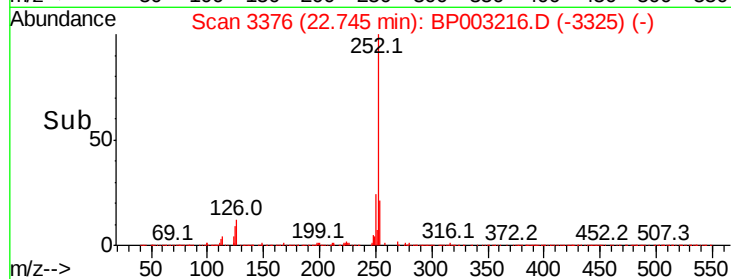
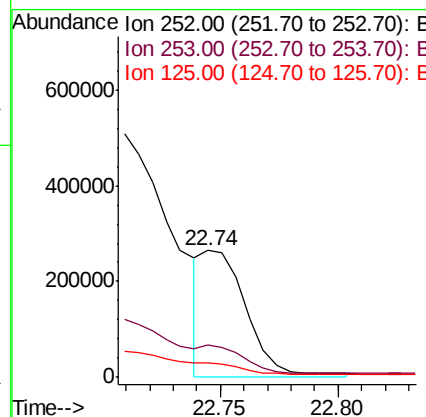
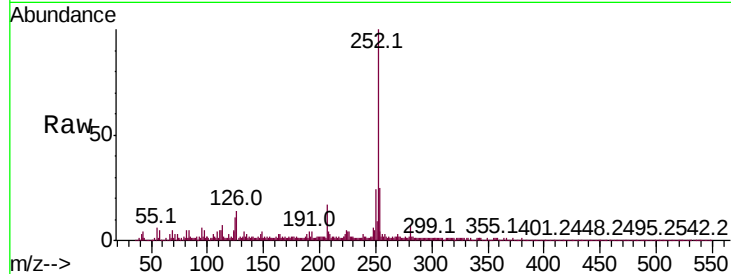


#89
Benzo(k)fluoranthene
Concen: 5.447 ng m
RT: 22.74 min Scan# 3376
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Instrument :
BNA_P
ClientSampled :
TP-2

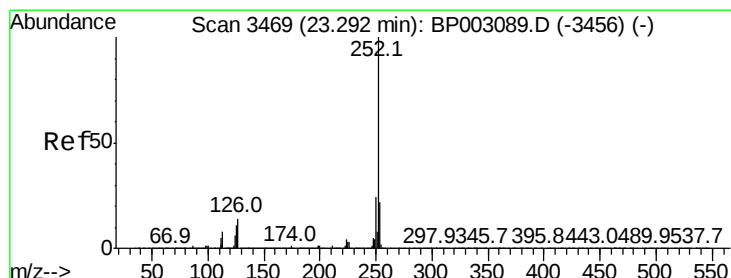
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.8	26.8
125	11.4	7.4	11.2

Manual Integrations
APPROVED



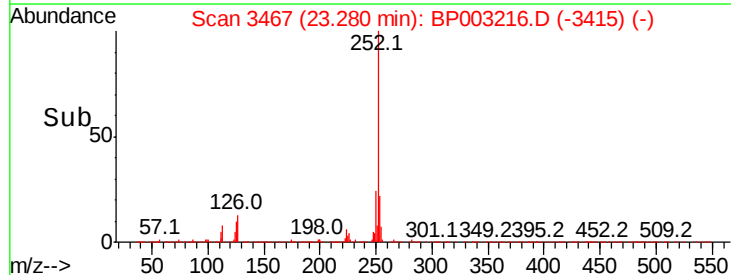
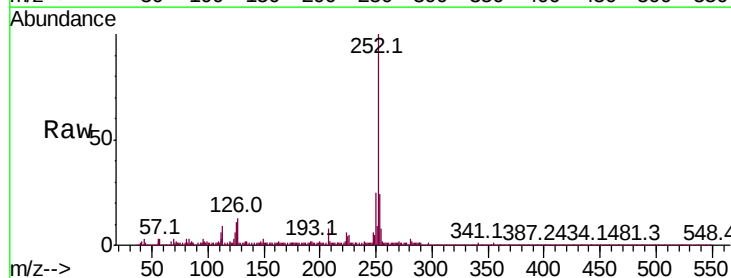
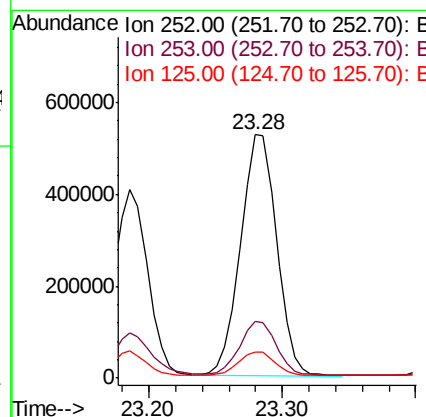
Sohil

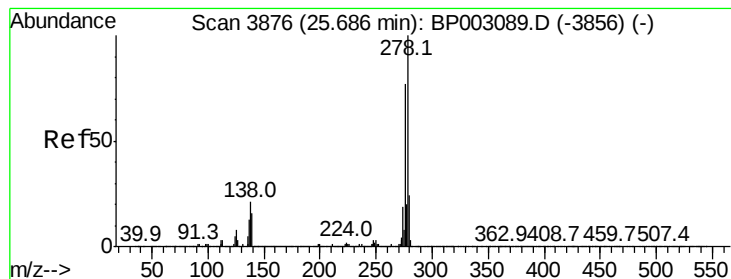
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#90
Benzo(a)pyrene
Concen: 15.971 ng
RT: 23.28 min Scan# 3467
Delta R.T. 0.01 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	10.8	8.2	12.4





#91

Dibenzo(a,h)anthracene

Concen: 2.973 ng

RT: 25.66 min Scan# 3871

Delta R.T. -0.00 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

Instrument :

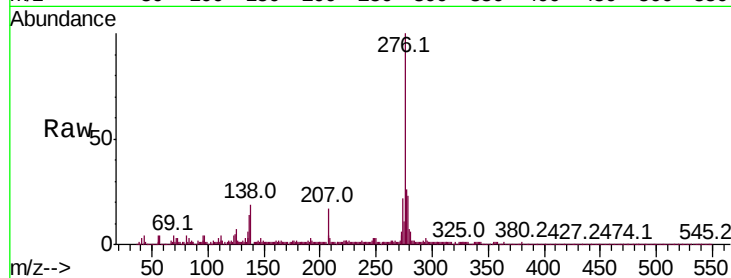
BNA_P

ClientSampled :

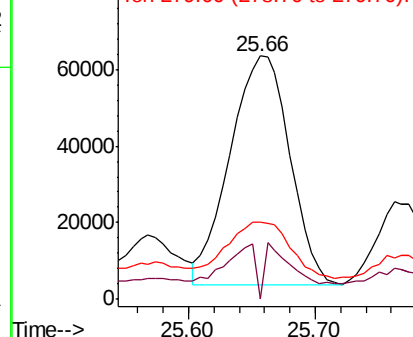
TP-2

Tot Ion:	278	Resp:	195163
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.4	18.6#
279	31.9	19.0	28.6#

Manual Integrations
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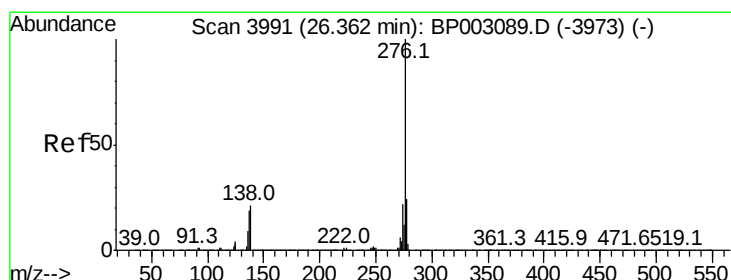
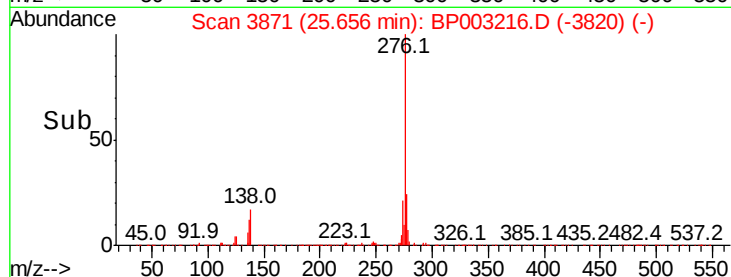


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Sohil

9/9/2020 3:48:20 PM



#92

Benzo(g,h,i)perylene

Concen: 13.396 ng

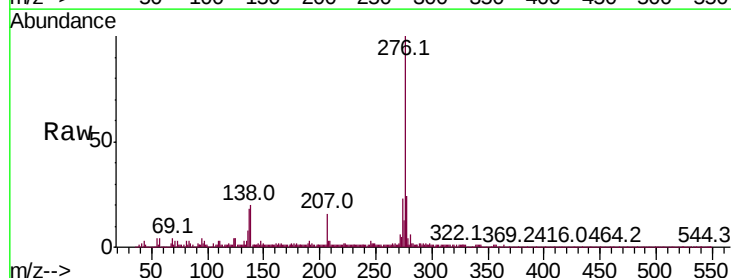
RT: 26.35 min Scan# 3989

Delta R.T. 0.02 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

Tgt Ion:	276	Resp:	882514
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.0	28.6
138	19.9	16.6	24.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

