

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092019\
 Data File : BP000356.D
 Acq On : 20 Sep 2019 16:00
 Operator : HP/JU
 Sample : K4957-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-26-COMP

Manual Integrations
 APPROVED

mohammad
 9/24/2019 8:34:00 AM

Quant Time: Sep 20 23:49:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	172985	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	643431	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	364574	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	696128	20.00	ng	0.00
76) Chrysene-d12	13.99	240	625638	20.00	ng	0.00
87) Perylene-d12	15.47	264	728245	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	823717	82.21	ng	0.00
7) Phenol-d6	6.43	99	1056189	85.99	ng	0.00
23) Nitrobenzene-d5	7.35	82	577730	57.93	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	367610	101.66	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1249767	61.70	ng	0.00
79) Terphenyl-d14	12.93	244	1526895	51.20	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	49982	3.582	ng	99
50) Dimethylphthalate	9.54	163	199131	8.017	ng	99
71) Phenanthrene	11.35	178	297080	8.516	ng	98
72) Anthracene	11.40	178	88716	2.471	ng	99
75) Fluoranthene	12.55	202	644635	17.209	ng	95
78) Pyrene	12.78	202	613777	13.113	ng	99
81) Benzo(a)anthracene	13.98	228	358772	9.078	ng	97
83) Chrysene	14.02	228	309569	7.978	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	197048m	4.166	ng	
88) Benzo(b)fluoranthene	15.05	252	488650m	11.248	ng	
89) Benzo(k)fluoranthene	15.07	252	133561m	3.524	ng	
90) Benzo(a)pyrene	15.41	252	333615	8.439	ng	97
92) Benzo(a,h,i)perylene	17.40	276	184379	4.867	ng	95

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

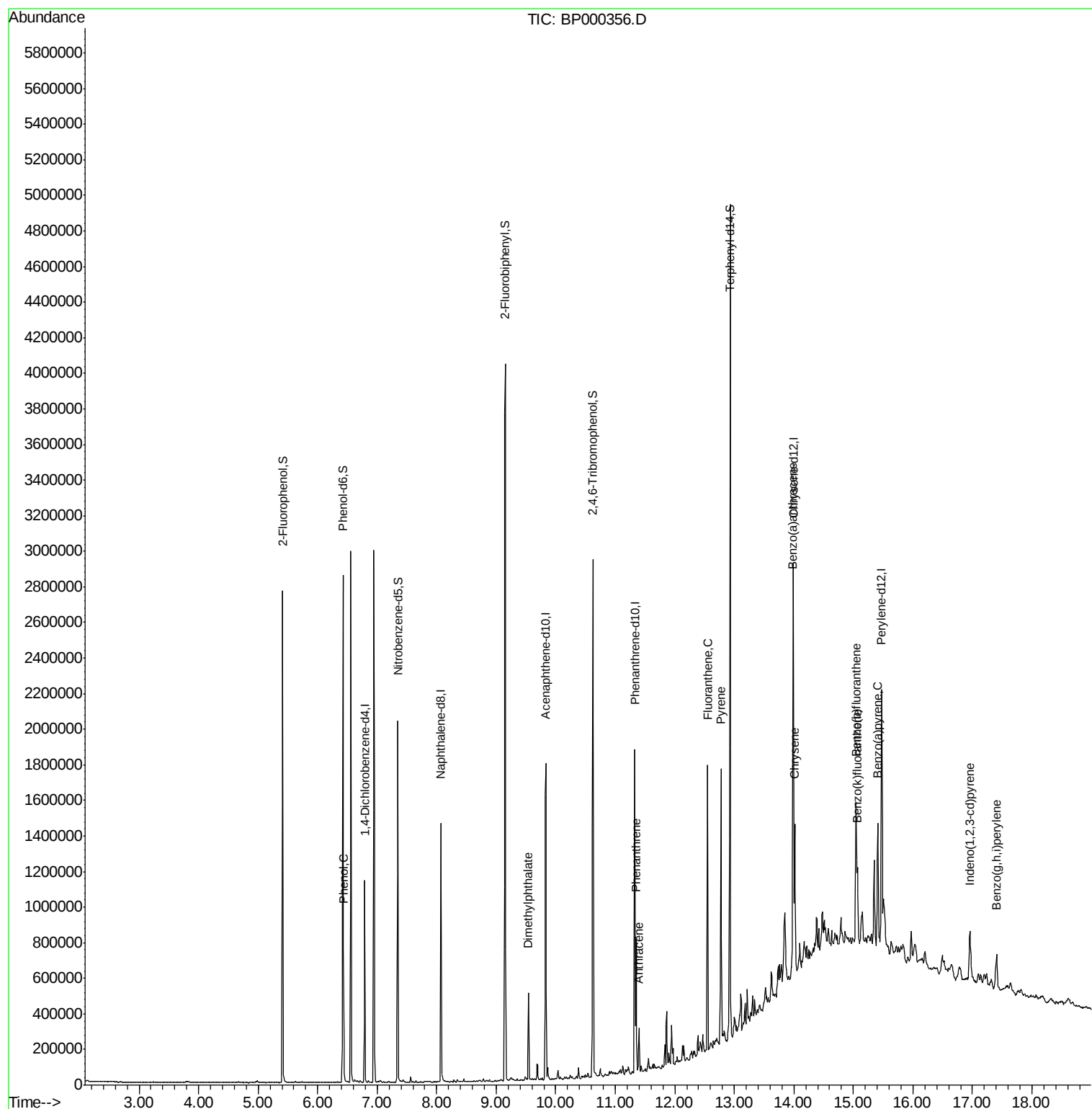
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092019\
Data File : BP000356.D
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ALS Vial : 16 Sample Multiplier: 1

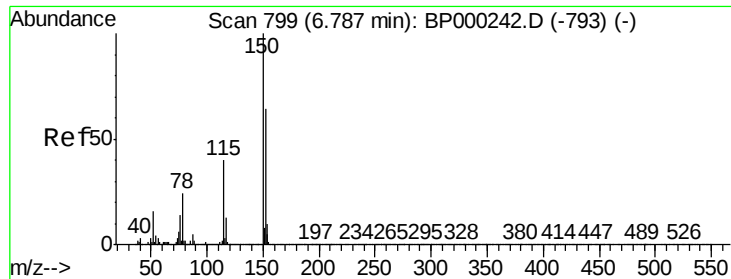
Instrument :
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#1

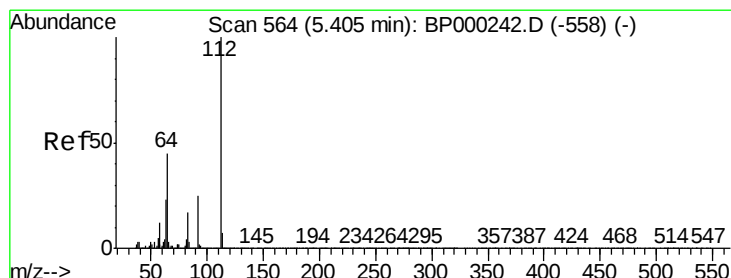
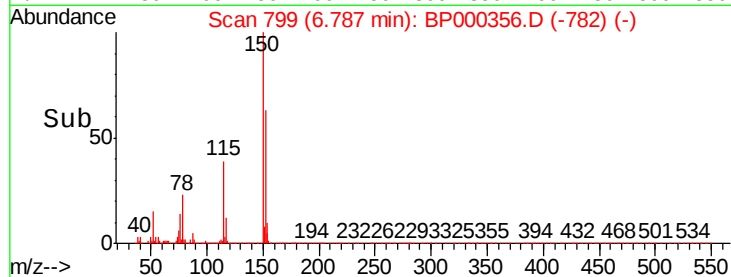
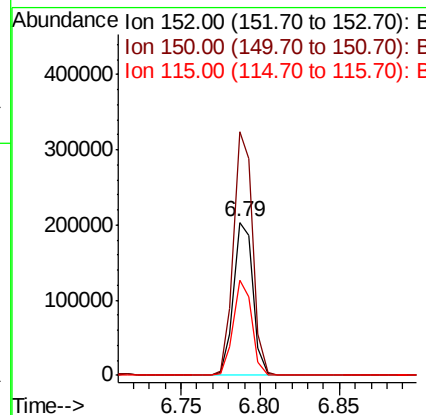
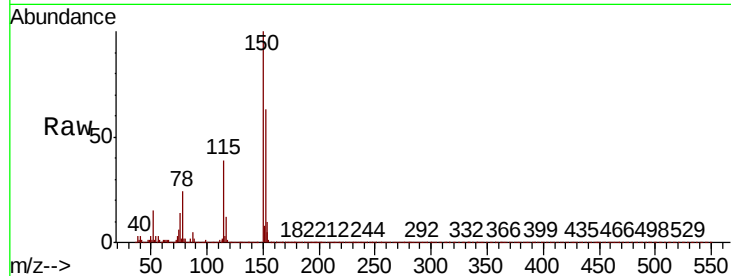
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Instrument :
BNA_P
ClientSampleId :
SB-26-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	125.2	187.8
115	62.0	49.7	74.5

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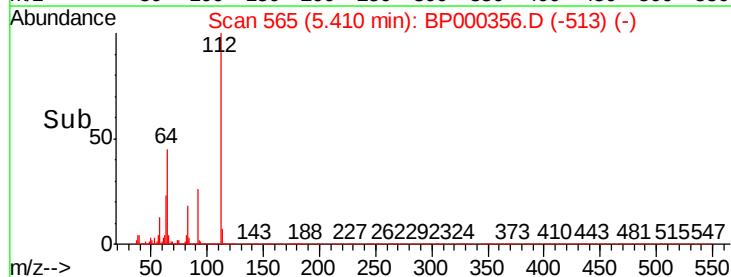
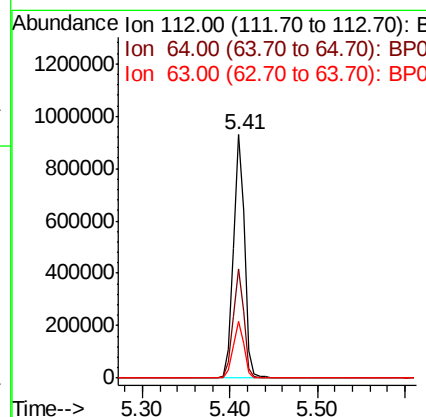
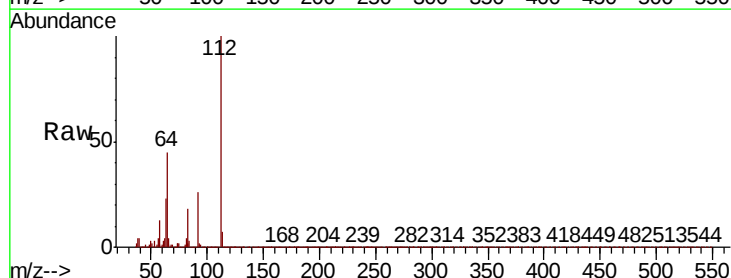
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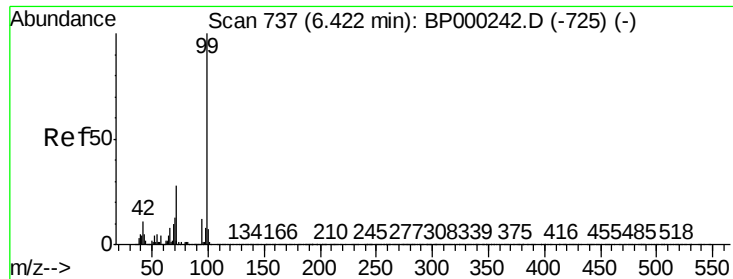


#5

2-Fluorophenol
Concen: 82.205 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.7	36.2	54.4
63	23.3	18.3	27.5





#7

Phenol-d6

Concen: 85.990 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

Instrument :

BNA_P

ClientSampleId :

SB-26-COMP

Tot Ion: 99 Resp: 1056189

Ion Ratio Lower Upper

99 100

42 11.0 8.5 12.7

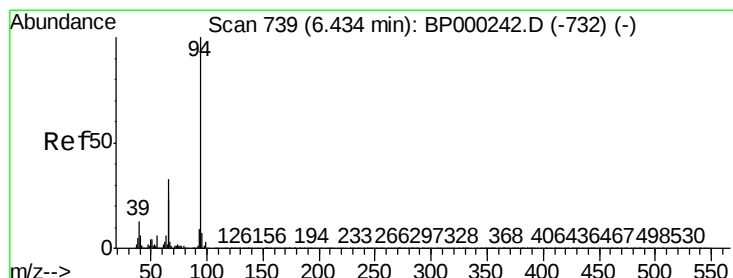
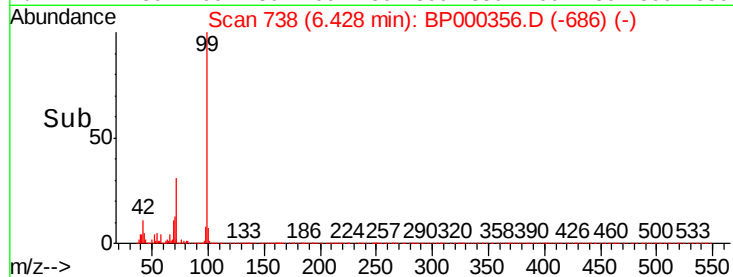
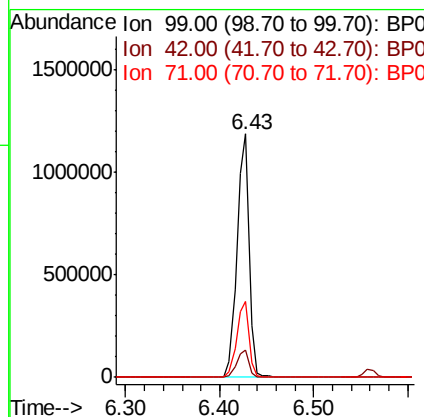
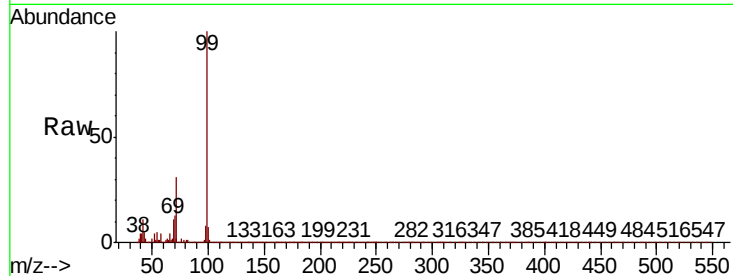
71 31.0 22.6 34.0

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#10

Phenol

Concen: 3.582 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

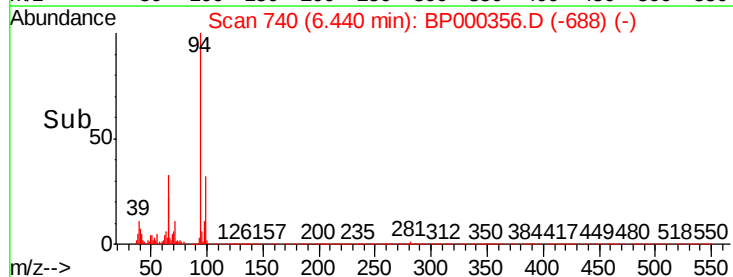
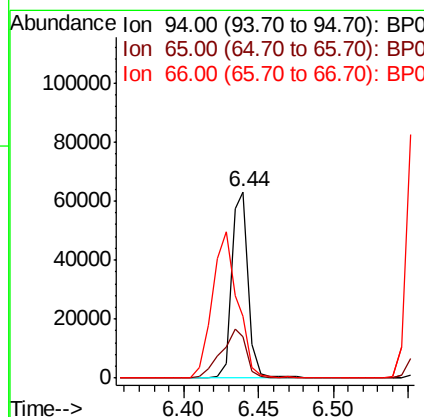
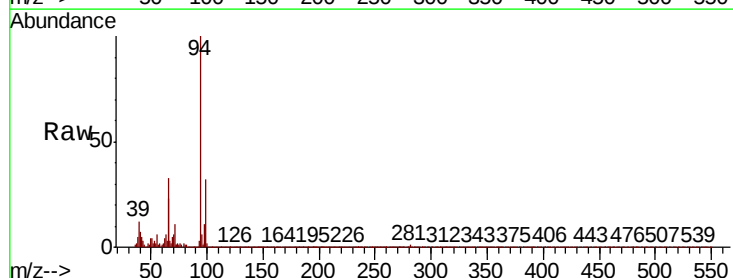
Tgt Ion: 94 Resp: 49982

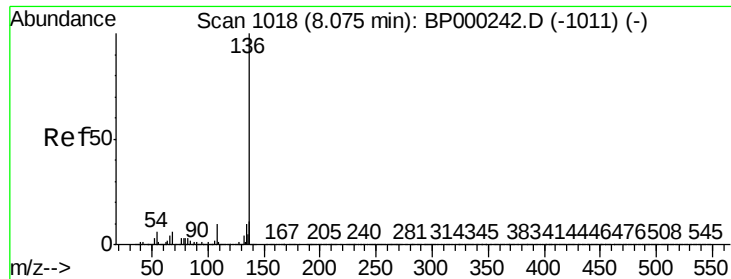
Ion Ratio Lower Upper

94 100

65 22.5 3.3 43.3

66 32.9 12.7 52.7





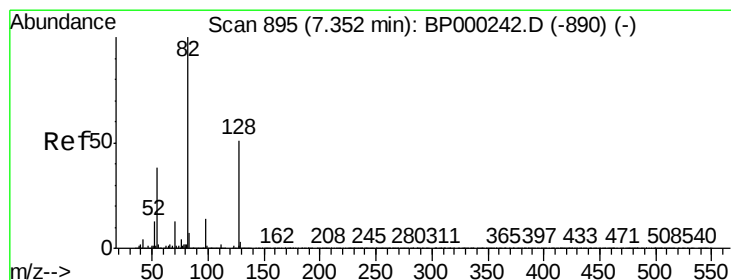
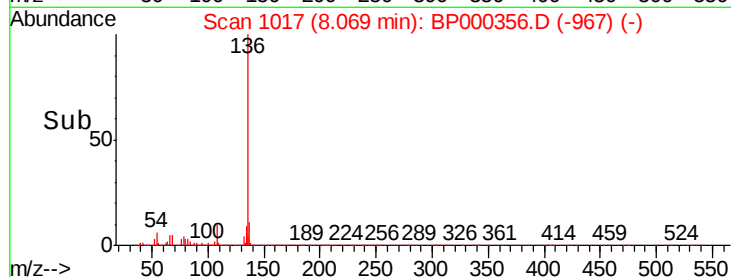
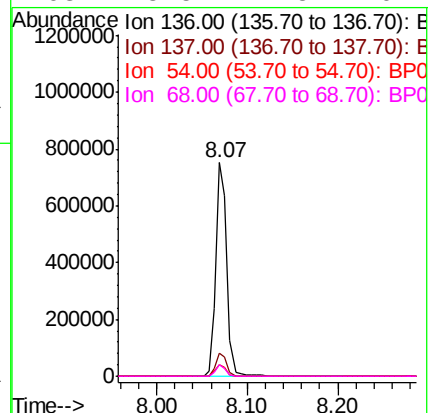
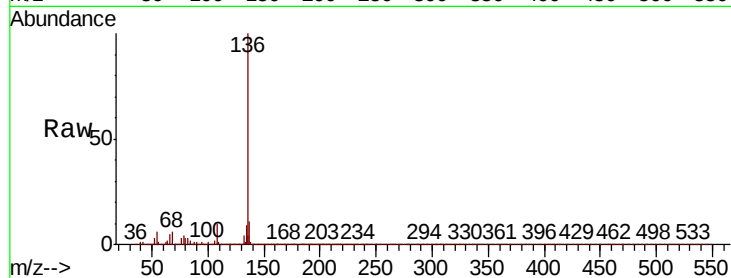
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Instrument :
BNA_P
ClientSampleId :
SB-26-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100	643431		
137	11.1		8.6	13.0
54	5.6		4.5	6.7
68	5.5		4.5	6.7

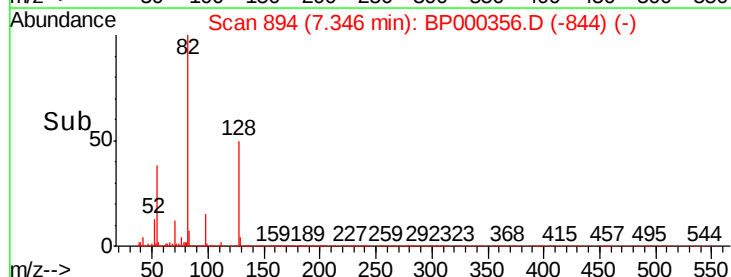
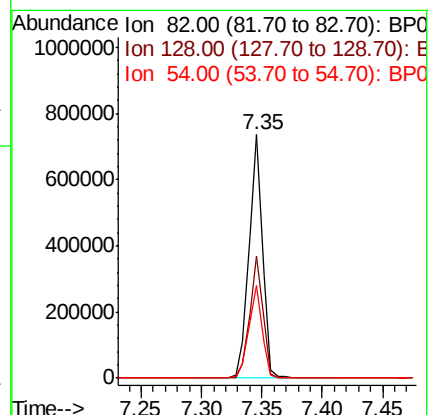
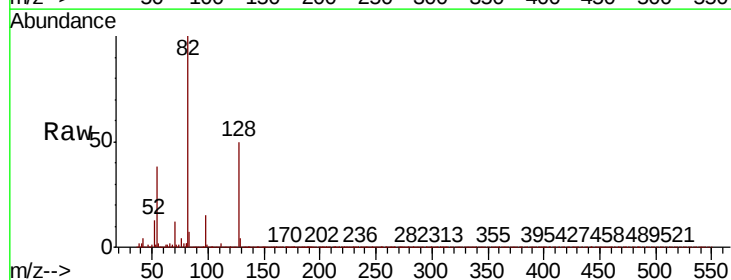
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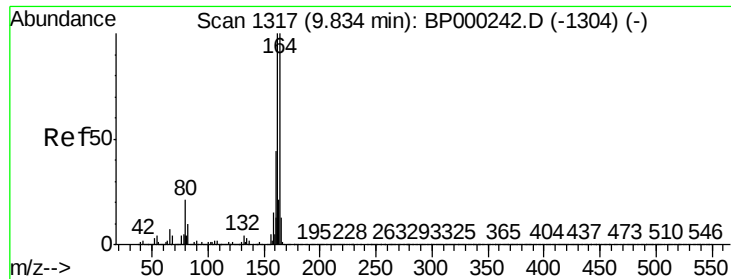
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#23
Nitrobenzene-d5
Concen: 57.931 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	577730		
128	50.0		40.7	61.1
54	37.8		30.1	45.1





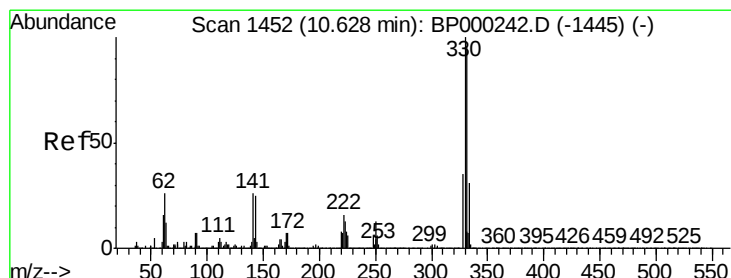
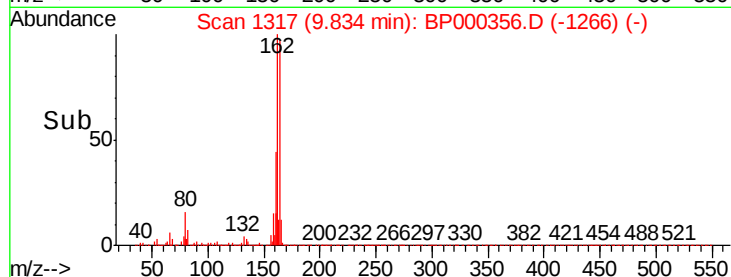
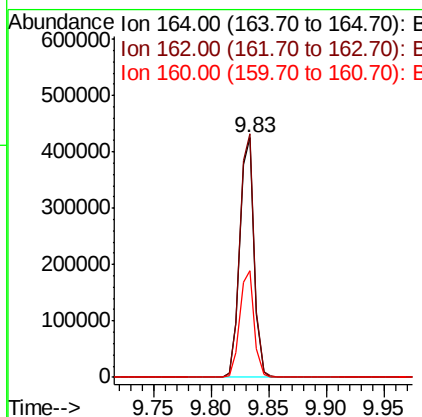
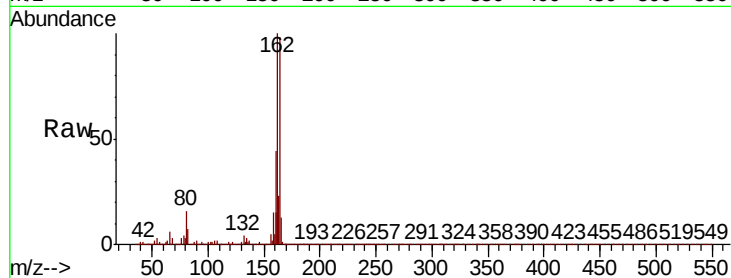
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Instrument :
BNA_P
ClientSampleId :
SB-26-COMP

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	79.9	119.9
160	44.7	35.6	53.4

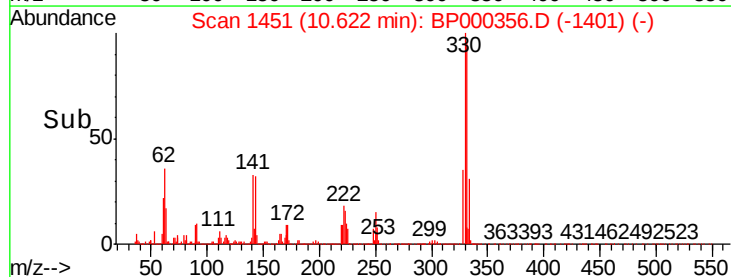
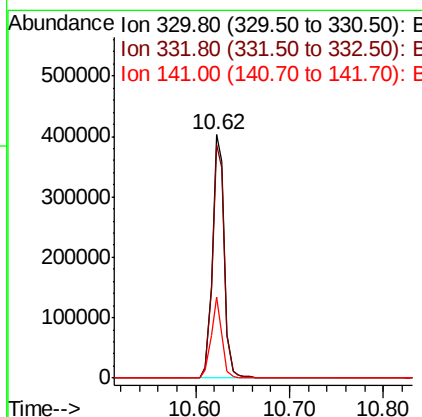
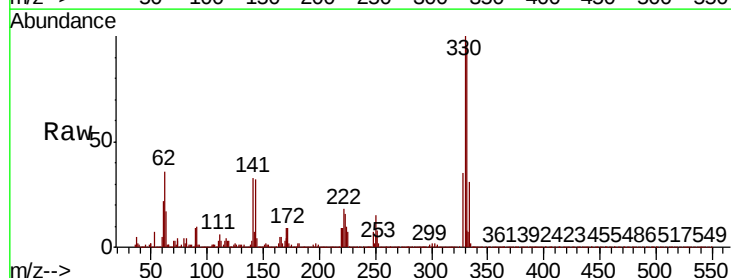
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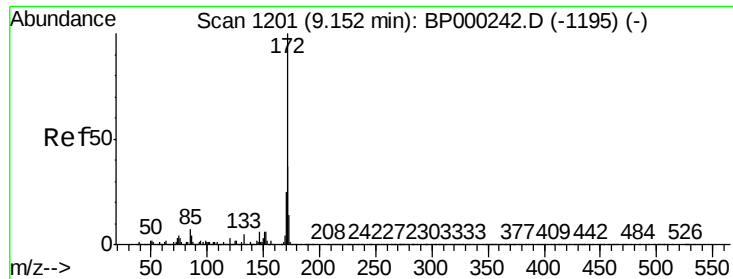
mohammad
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#42
2,4,6-Tribromophenol
Concen: 101.660 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	115.0
141	29.8	26.5	39.7





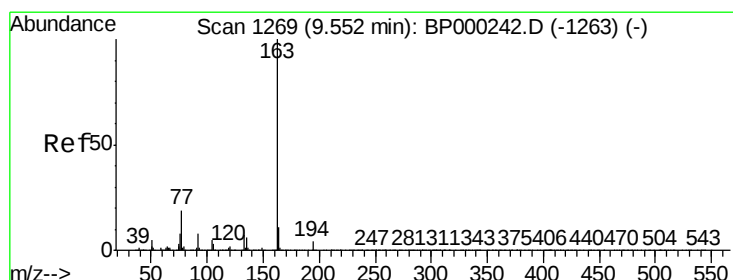
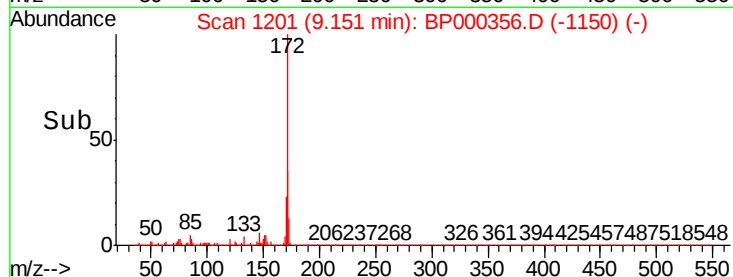
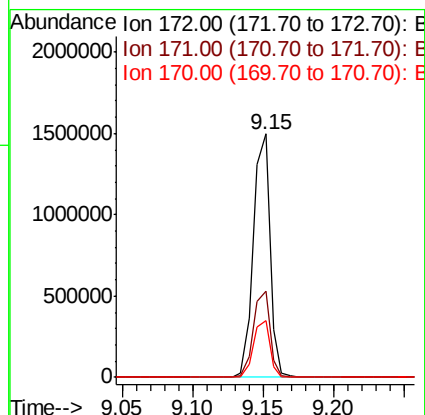
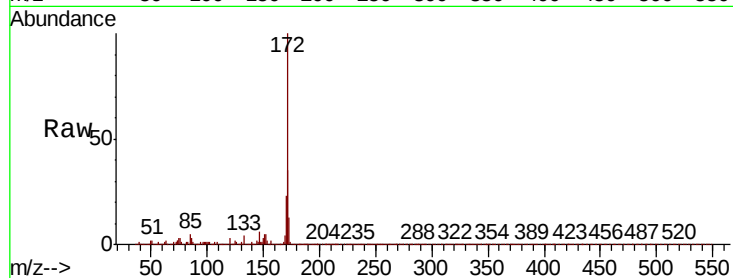
#45
2-Fluorobiphenyl
Concen: 61.698 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Instrument :
BNA_P
ClientSampleId :
SB-26-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.8	44.6
170	23.2	19.8	29.6

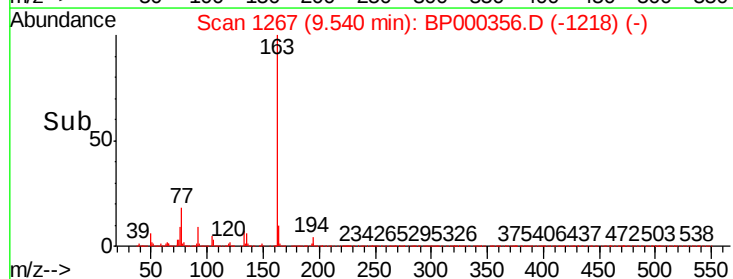
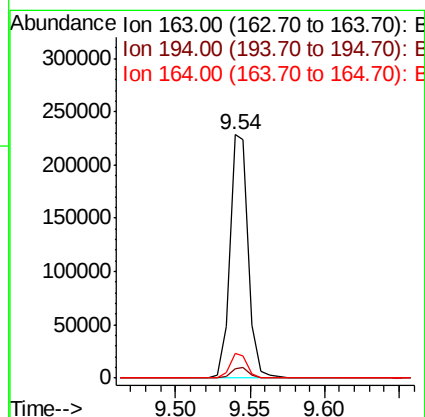
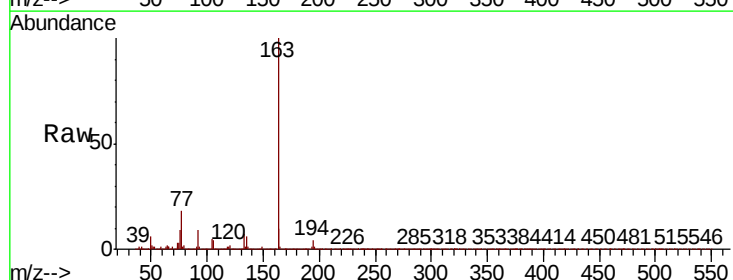
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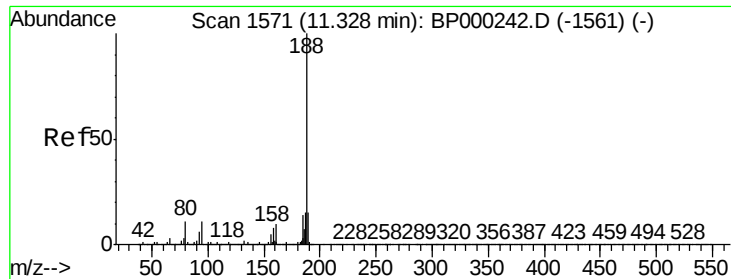
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9/24/2019 8:34:00 AM



#50
Dimethylphthalate
Concen: 8.017 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.2	8.5	12.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

Instrument :

BNA_P

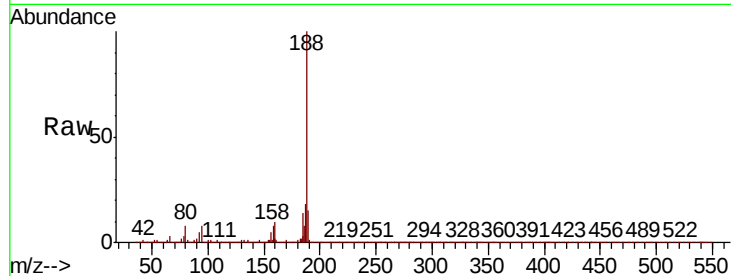
ClientSampleId :

SB-26-COMP

Tot Ion:	188	Resp:	696128
Ion Ratio	Lower	Upper	
188	100		
94	8.4	8.5	12.7#
80	8.4	8.6	13.0#

Manual Integrations
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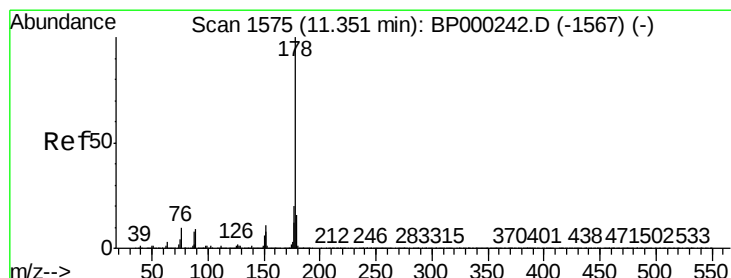
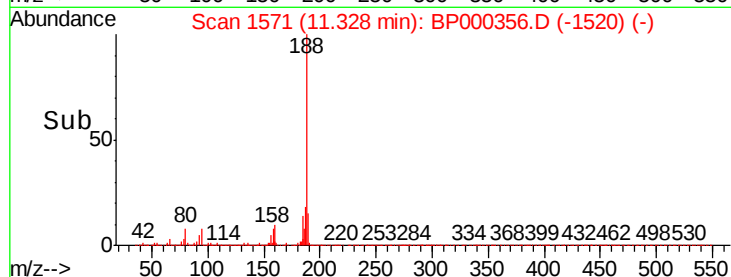
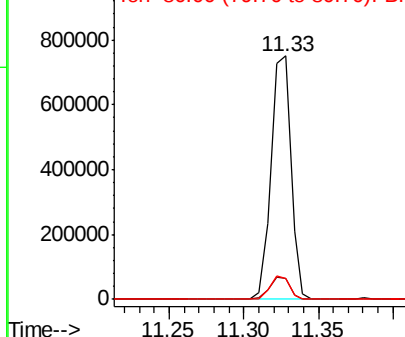
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 8.516 ng

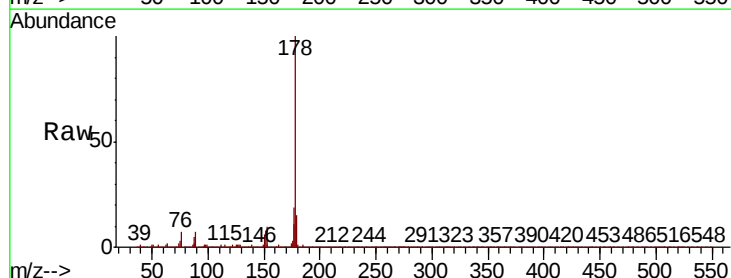
RT: 11.35 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

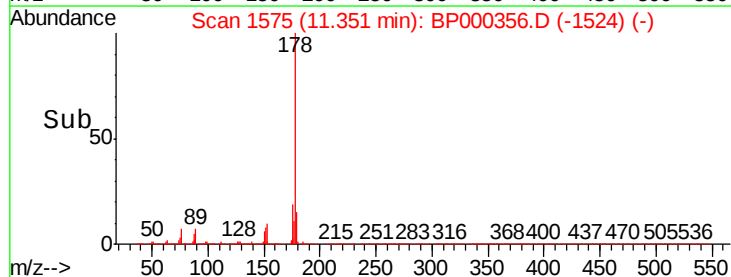
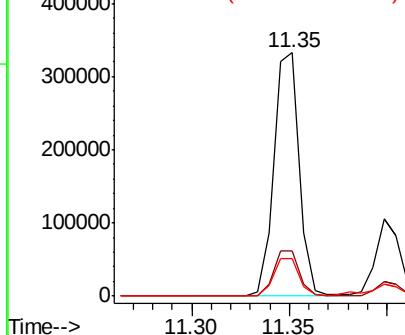
Tgt Ion:	178	Resp:	297080
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.8
179	15.5	12.7	19.1

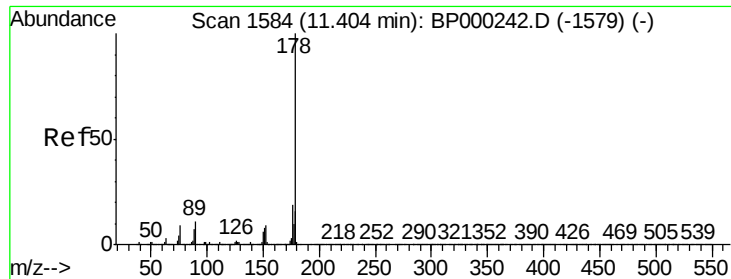


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





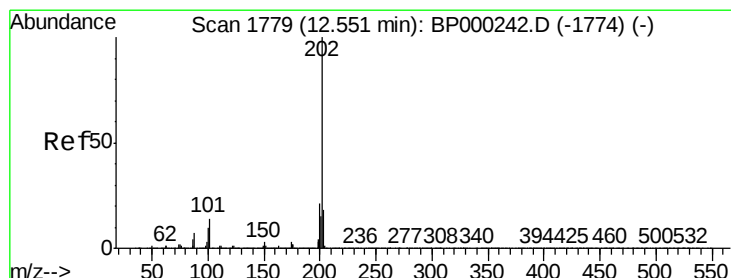
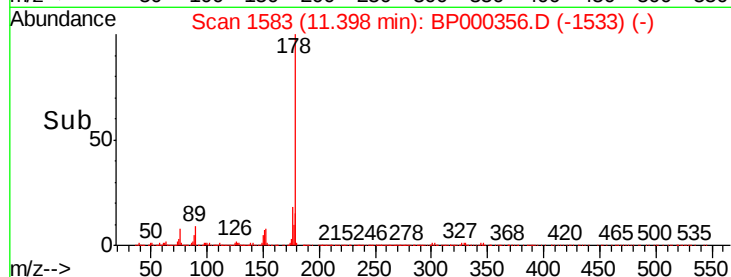
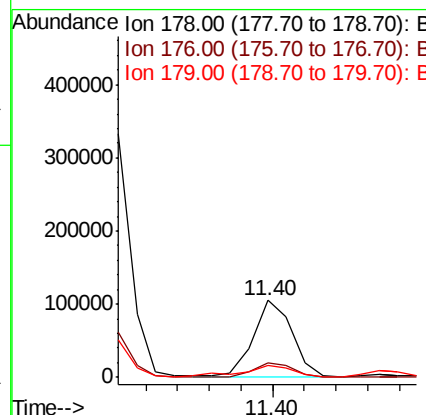
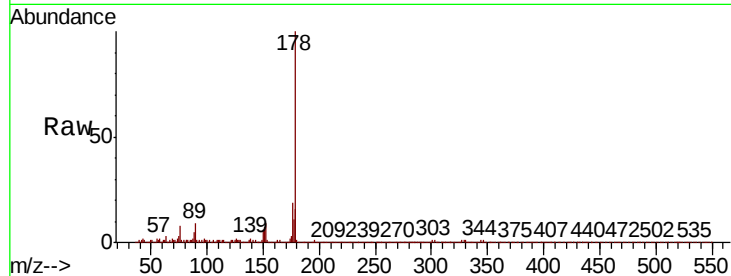
#72
 Anthracene
 Concen: 2.471 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BP000356.D
 Acq: 20 Sep 2019 16:00

Instrument :
 BNA_P
 ClientSampleId :
 SB-26-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.6	12.7	19.1

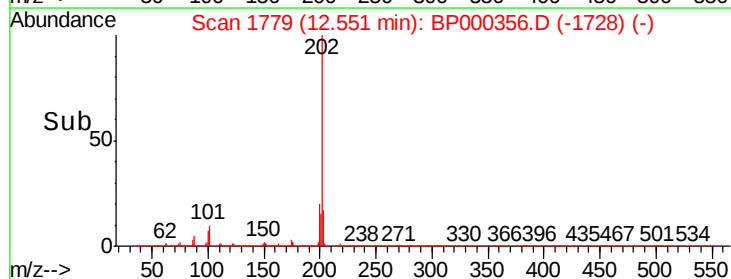
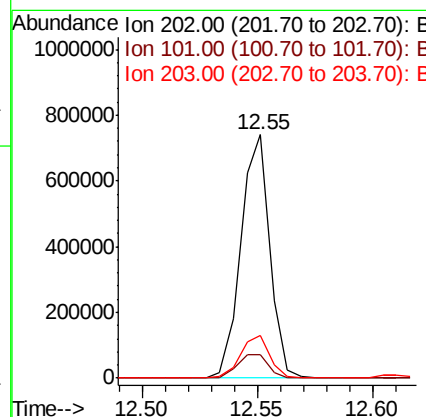
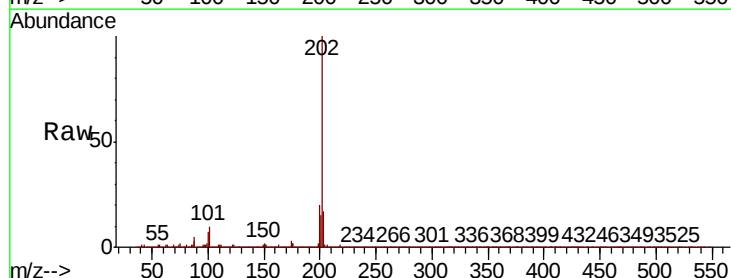
Manual Integrations
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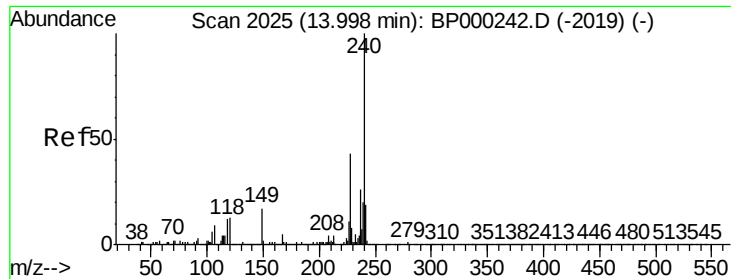
mohammad
 9/24/2019 8:34:00 AM



#75
 Fluoranthene
 Concen: 17.209 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BP000356.D
 Acq: 20 Sep 2019 16:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	33.9
203	17.3	0.0	38.0





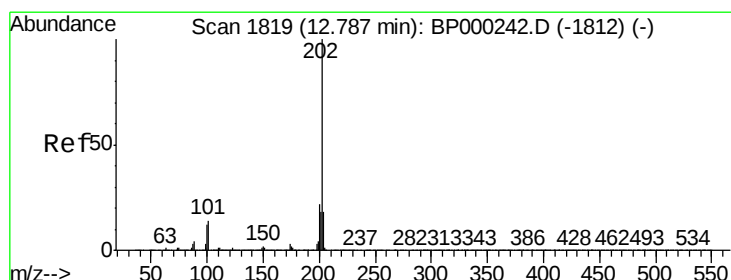
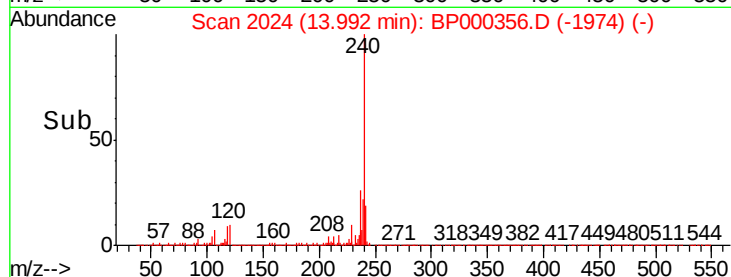
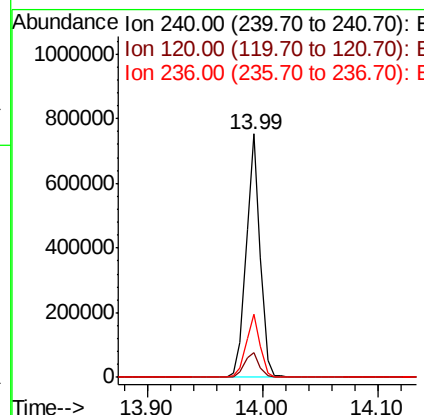
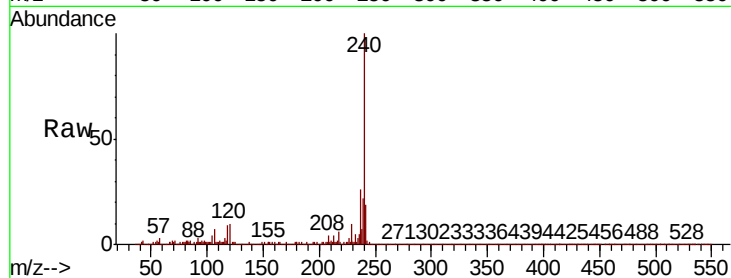
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Instrument :
BNA_P
ClientSampleId :
SB-26-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.4	15.6#
236	26.1	21.0	31.6

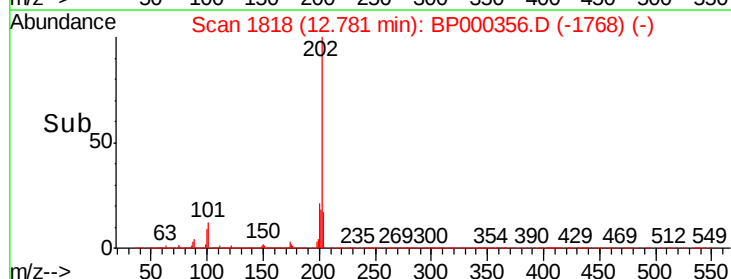
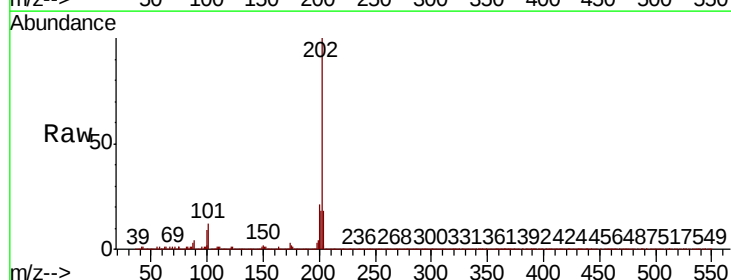
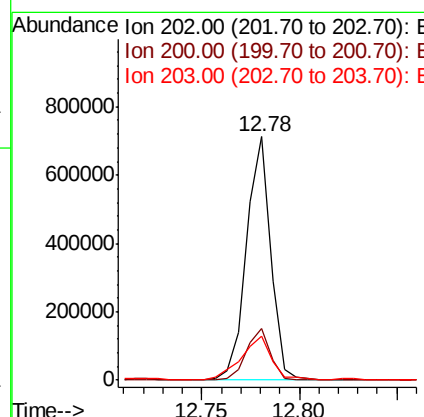
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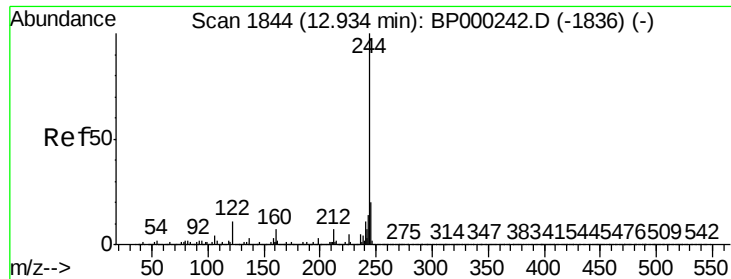
mohammad
9/24/2019 8:34:00 AM



#78
Pyrene
Concen: 13.113 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.5	26.3
203	17.9	14.3	21.5





#79

Terphenyl-d14

Concen: 51.199 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

Instrument :

BNA_P

ClientSampleId :

SB-26-COMP

Tot Ion:244 Resp: 1526895

Ion Ratio Lower Upper

244 100

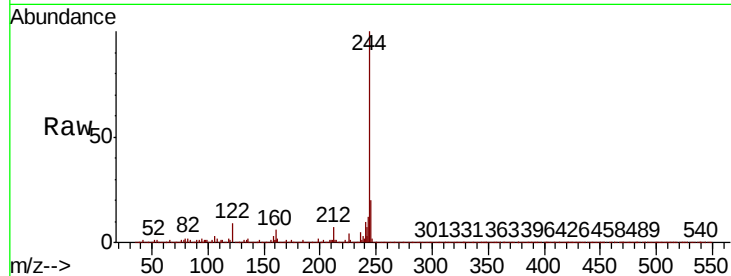
212 6.9 5.9 8.9

122 9.1 9.0 13.4

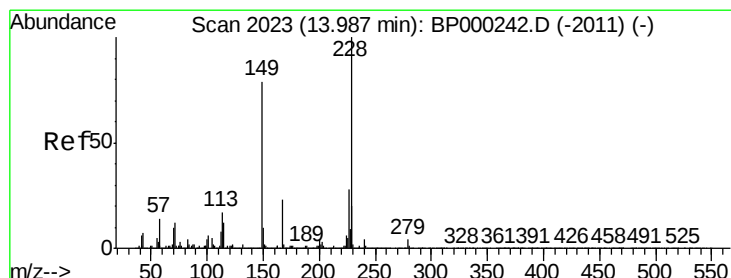
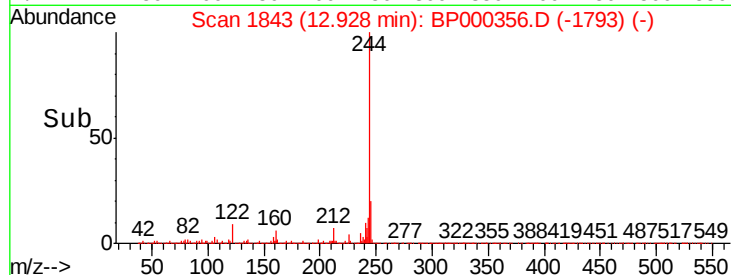
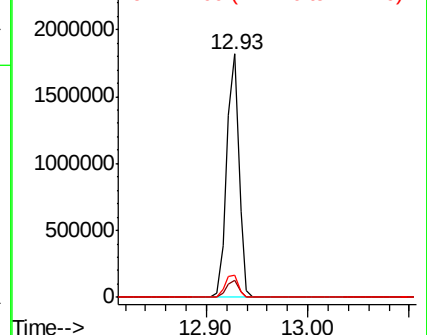
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Abundance Ion 244.00 (243.70 to 244.70): E
2500000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 9.078 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BP000356.D

Acq: 20 Sep 2019 16:00

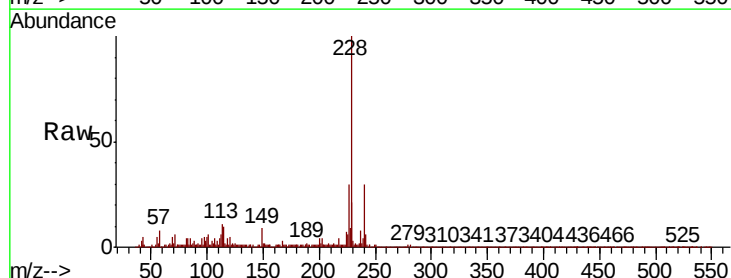
Tgt Ion:228 Resp: 358772

Ion Ratio Lower Upper

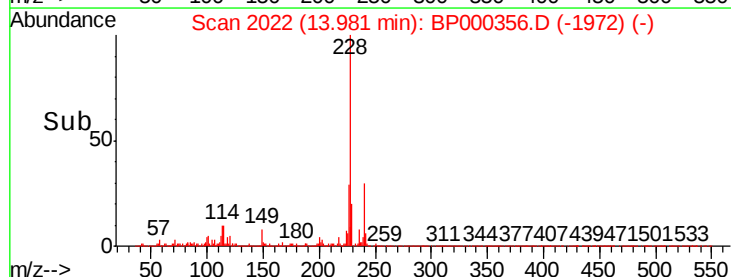
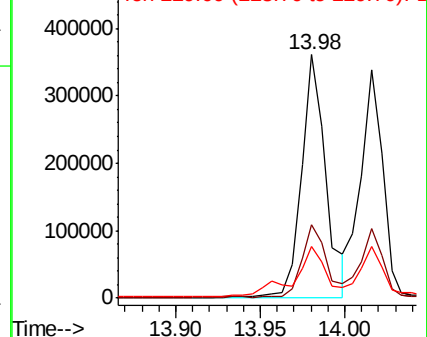
228 100

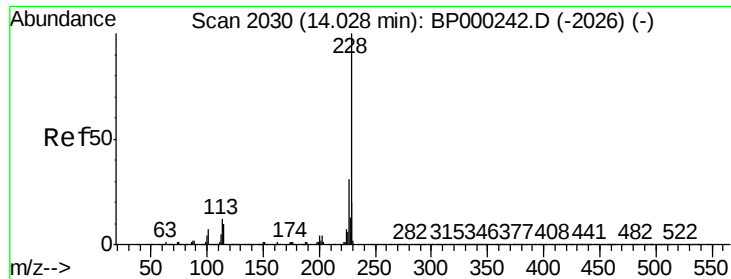
226 29.9 22.2 33.4

229 21.1 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
500000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





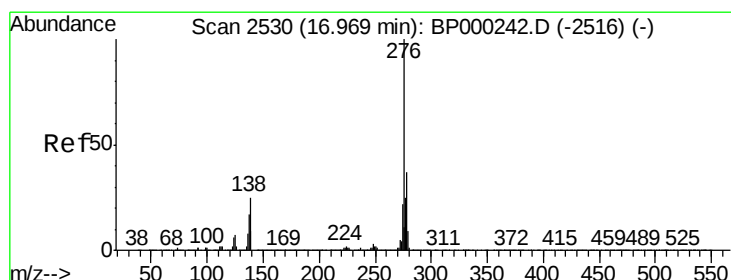
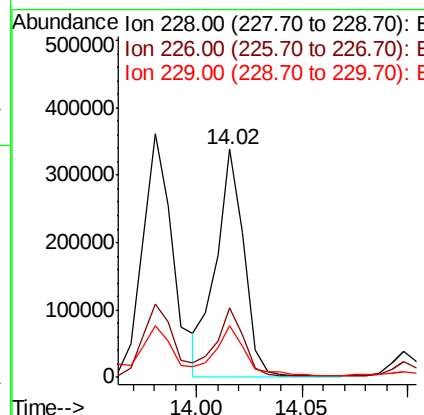
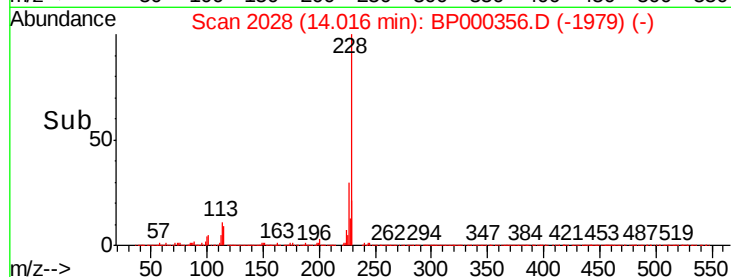
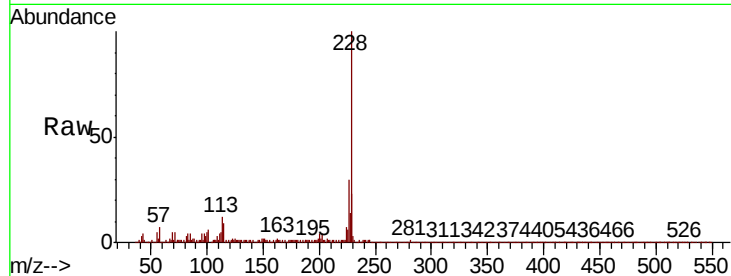
#83
Chrysene
Concen: 7.978 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Instrument :
BNA_P
ClientSampleId :
SB-26-COMP

Tot Ion:	228	Resp:	309569
Ion Ratio		Lower	Upper
228	100		
226	30.3	24.9	37.3
229	22.6	16.2	24.2

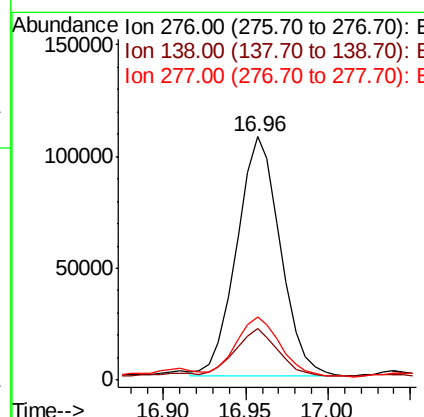
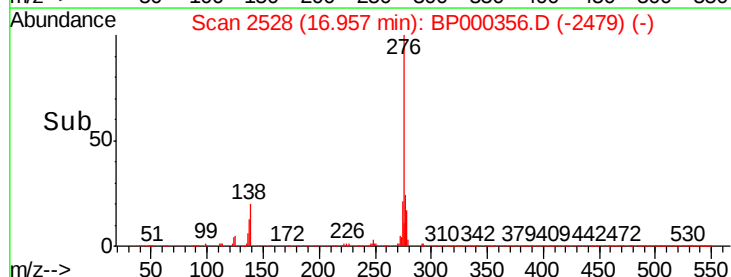
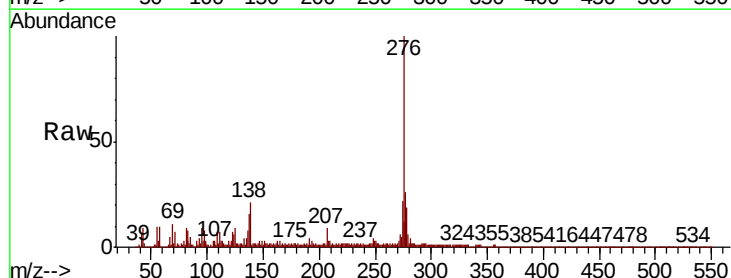
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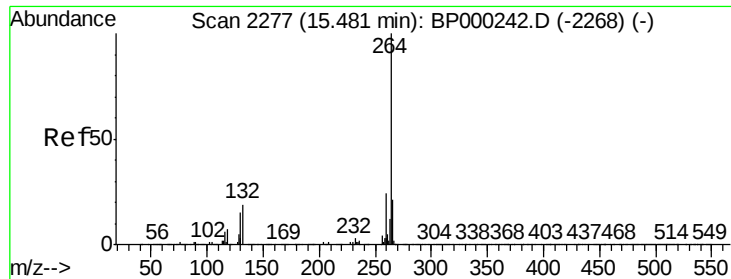
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.166 ng m
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Tgt Ion:	276	Resp:	197048
Ion Ratio		Lower	Upper
276	100		
138	4.7	22.6	33.8#
277	5.4	20.4	30.6#





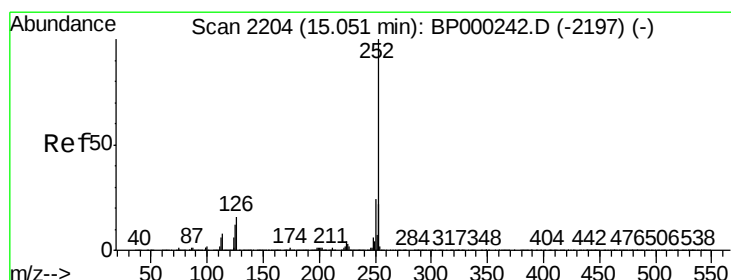
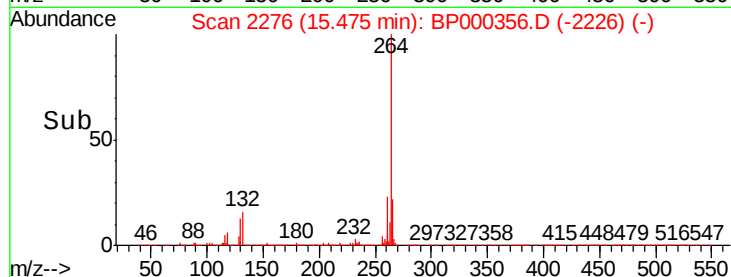
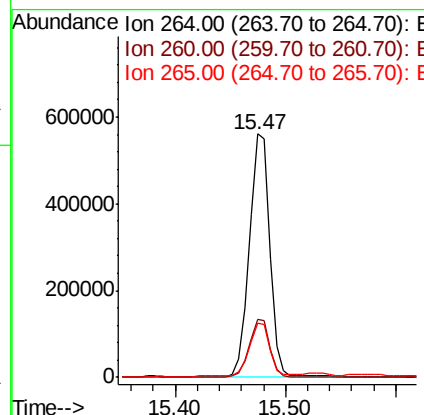
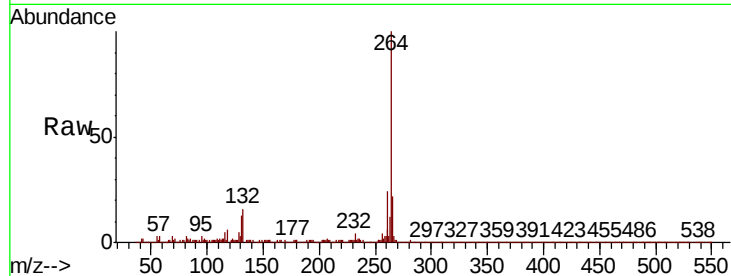
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Instrument :
BNA_P
ClientSampleId :
SB-26-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.0	17.2	25.8

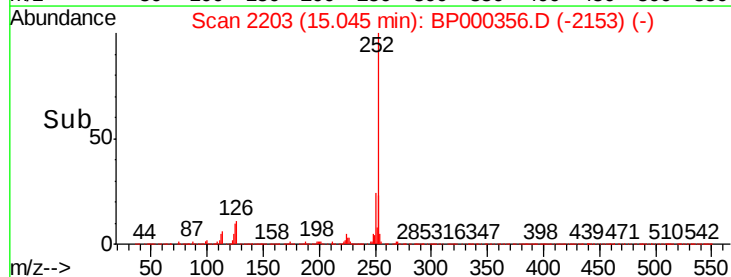
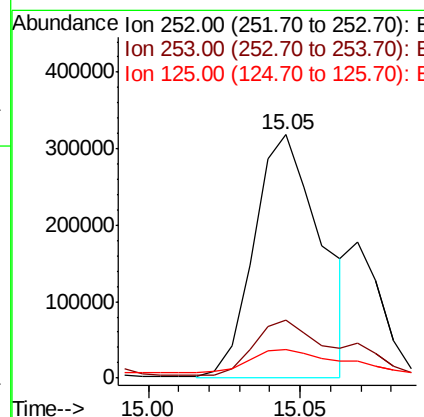
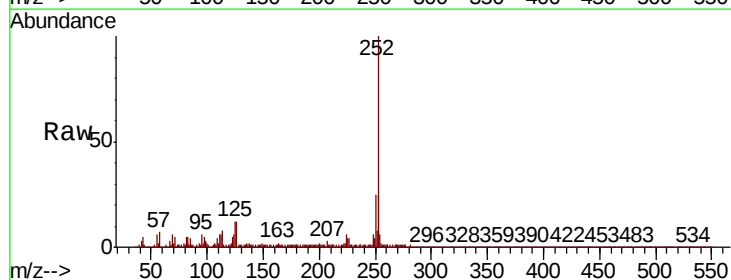
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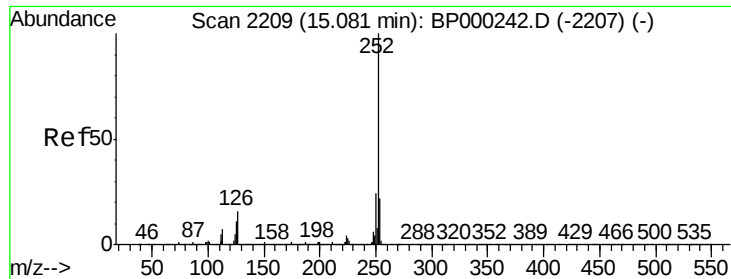
mohammad
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#88
Benzo(b)fluoranthene
Concen: 11.248 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	12.0	9.5	14.3





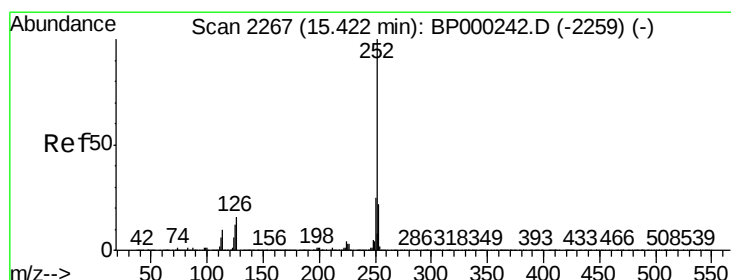
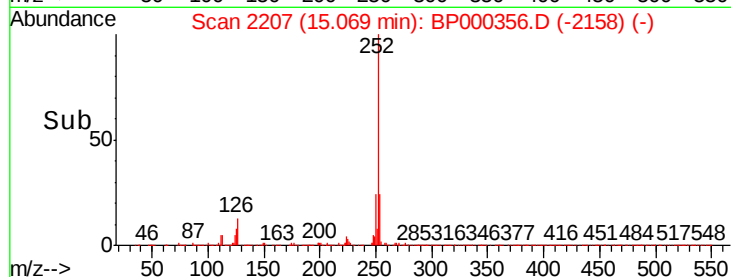
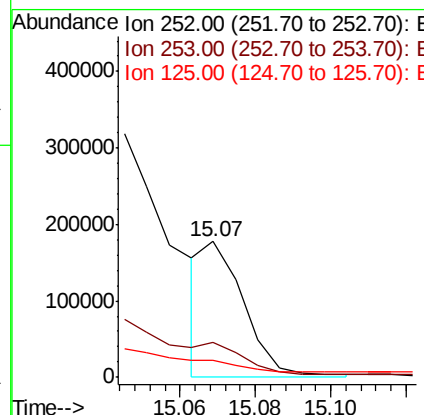
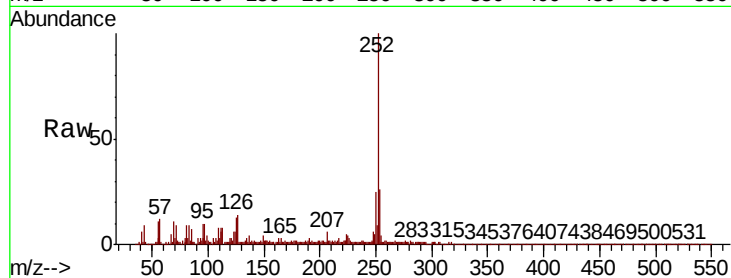
#89
Benzo(k)fluoranthene
Concen: 3.524 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Instrument :
BNA_P
ClientSampleId :
SB-26-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.8	26.8
125	12.8	9.6	14.4

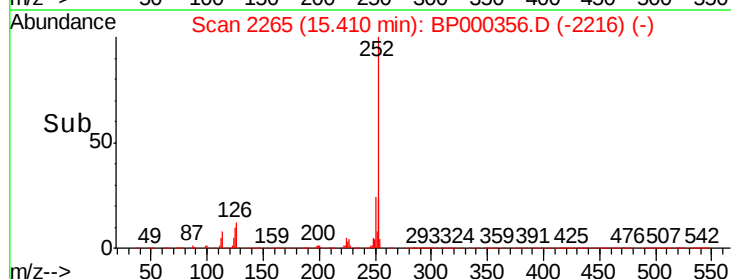
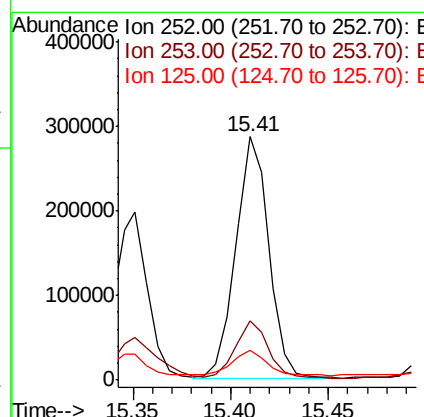
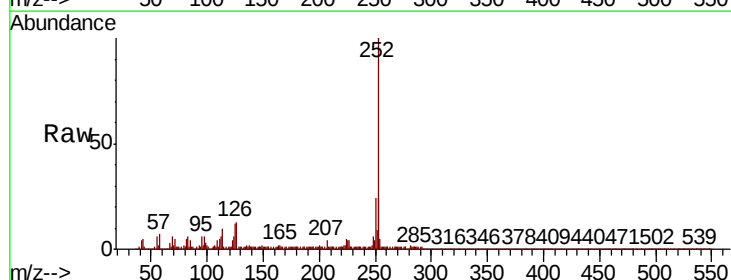
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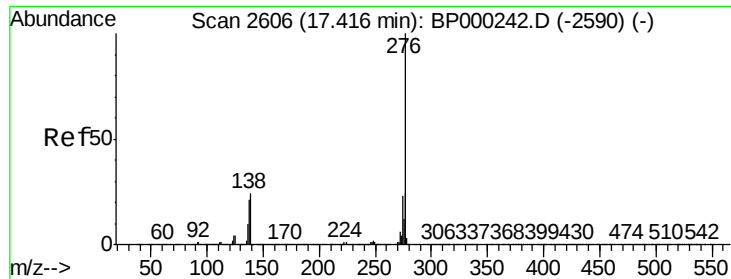
mohammad
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#90
Benzo(a)pyrene
Concen: 8.439 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BP000356.D
Acq: 20 Sep 2019 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.7	26.5
125	12.2	10.0	15.0





#92
 Benzo(a,h,i)perylene
 Concen: 4.867 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. -0.01 min
 Lab File: BP000356.D
 Acq: 20 Sep 2019 16:00

Instrument :
 BNA_P
 ClientSampleId :
 SB-26-COMP

Tot Ion:	276	Resp:	184379
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.1	28.7
138	20.8	19.5	29.3

Manual Integrations
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 9/24/2019 8:34:00 AM

