

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101419\
 Data File : BP000708.D
 Acq On : 14 Oct 2019 14:17
 Operator : JU
 Sample : K5348-04RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 20190828-COMPOSITE-DRE

Manual Integrations
 APPROVED

mohammad
 10/16/2019 8:11:15 AM

Quant Time: Oct 15 04:13:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	202604	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	726786	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	396463	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	733607	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	640418	20.00	ng	-0.01
87) Perylene-d12	15.45	264	750249	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	400414	31.77	ng	-0.02
7) Phenol-d6	6.39	99	1274498	83.91	ng	-0.02
23) Nitrobenzene-d5	7.31	82	791156	66.48	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	64377	15.24	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1489667	60.79	ng	-0.02
79) Terphenyl-d14	12.90	244	1681185	53.15	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.30	77	32955	4.165	ng	Qvalue 98
10) Phenol	6.40	94	69034	4.439	ng	92
50) Dimethylphthalate	9.51	163	273550	9.930	ng	100
71) Phenanthrene	11.32	178	89579	2.431	ng	98
75) Fluoranthene	12.52	202	313642	7.580	ng	98
78) Pyrene	12.76	202	340529	7.710	ng	99
81) Benzo(a)anthracene	13.96	228	200976	5.143	ng	# 75
83) Chrysene	14.00	228	207637	5.414	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	130801	5.403	ng	97
86) Indeno(1,2,3-cd)pyrene	16.92	276	143629	2.998	ng	95
88) Benzo(b)fluoranthene	15.02	252	293031m	6.885	ng	
89) Benzo(k)fluoranthene	15.05	252	82149m	2.027	ng	
90) Benzo(a)pyrene	15.39	252	236471	5.960	ng	# 95
92) Benzo(a,h,i)perylene	17.36	276	155088	3.966	ng	99

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

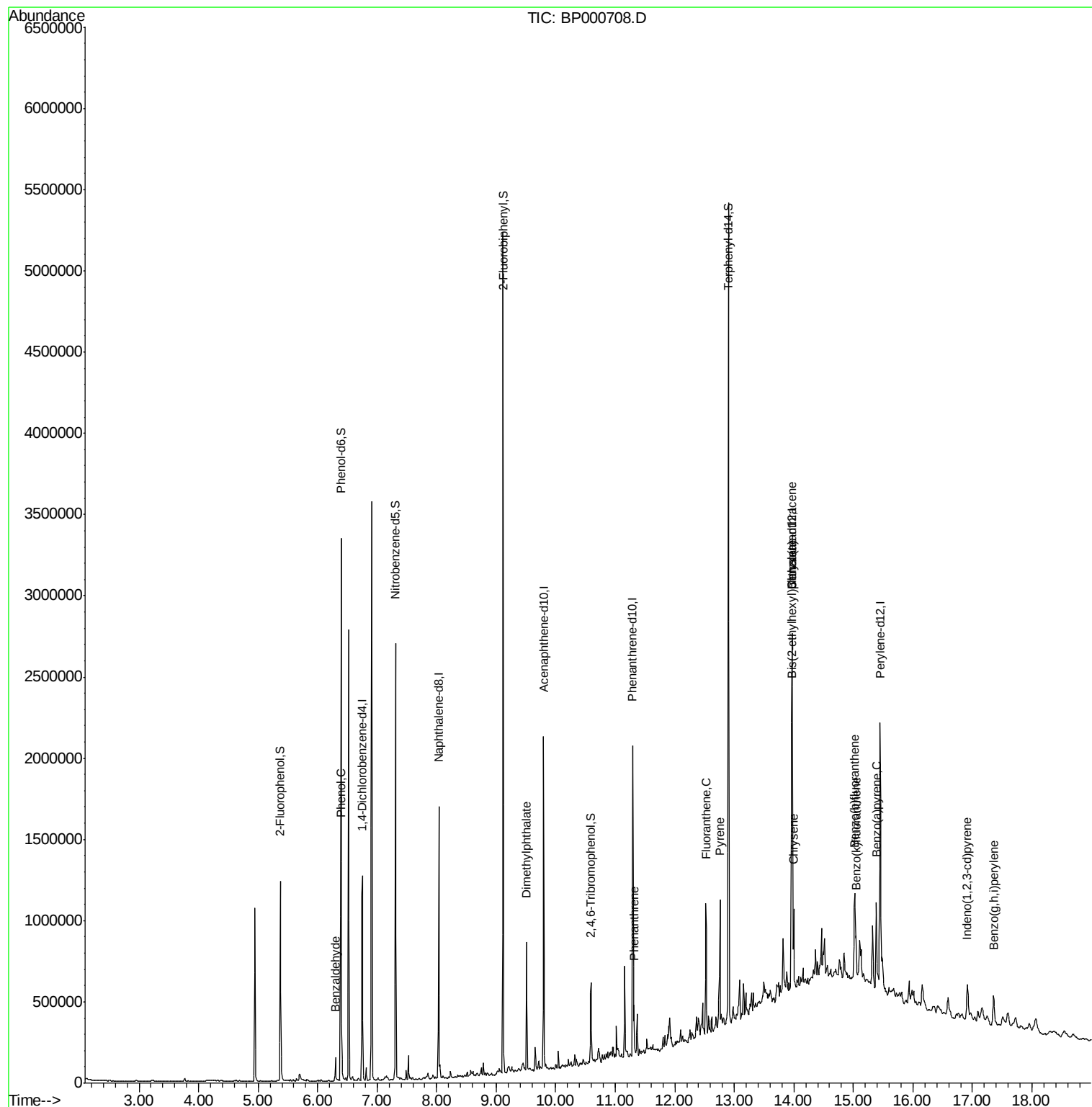
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101419\
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ALS Vial : 7 Sample Multiplier: 1

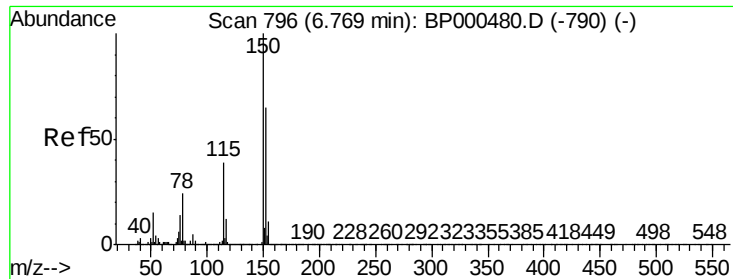
Instrument :
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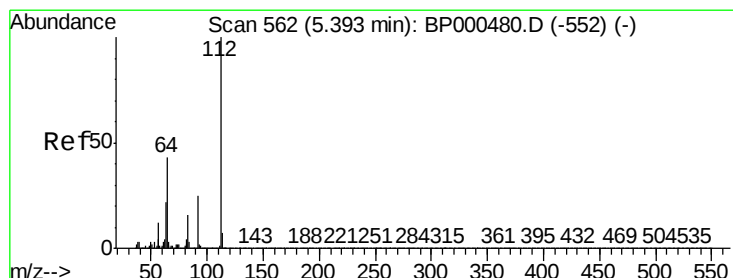
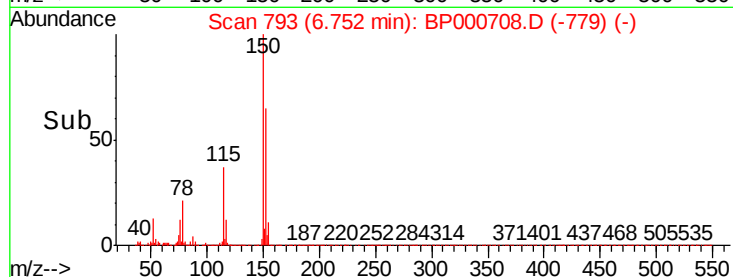
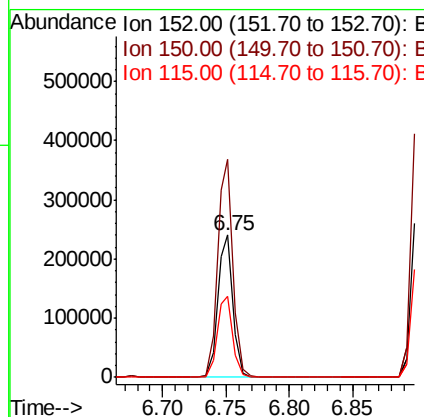
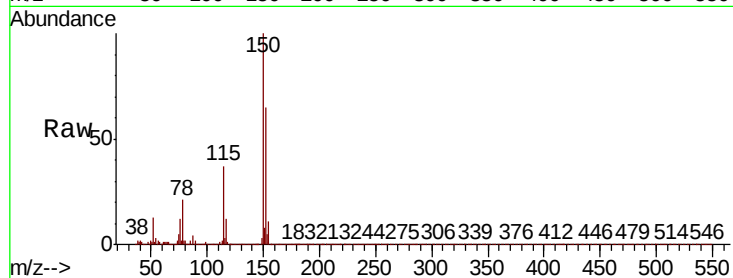
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
BNA_P
ClientSampleId :
20190828-COMPOSITE-DRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.1	186.1
115	56.7	48.7	73.1

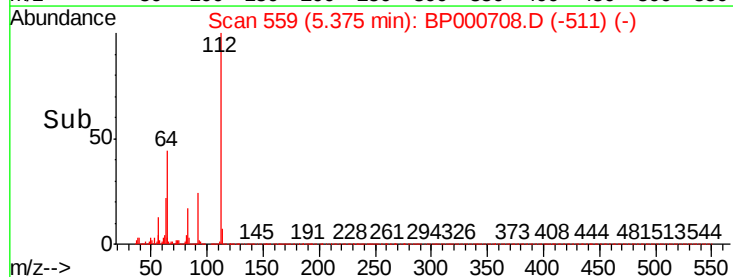
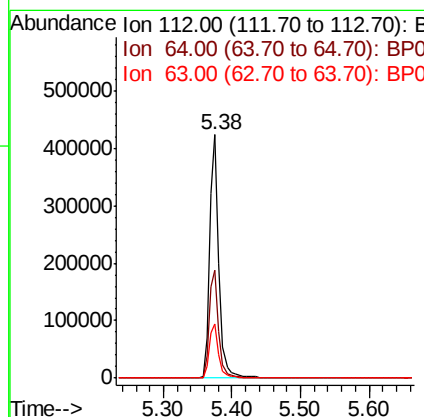
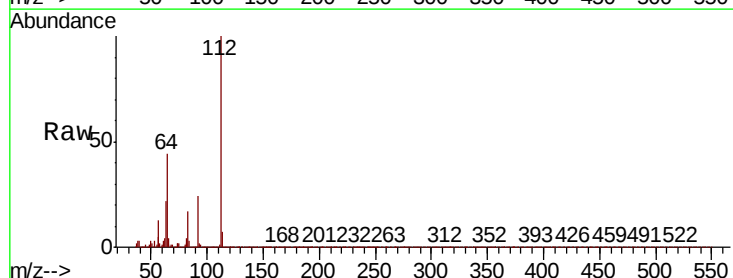
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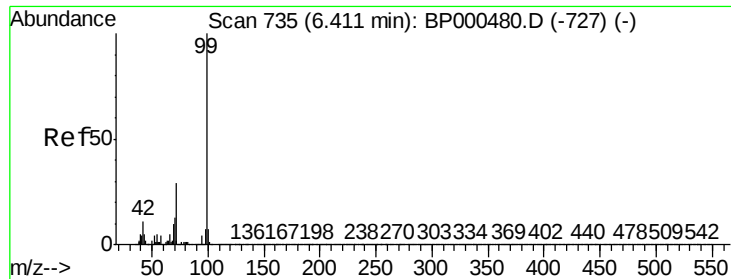
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#5
2-Fluorophenol
Concen: 31.769 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.5	34.2	51.4
63	22.5	17.9	26.9





#7

Phenol-d6

Concen: 83.912 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000708.D

Acq: 14 Oct 2019 14:17

Instrument :

BNA_P

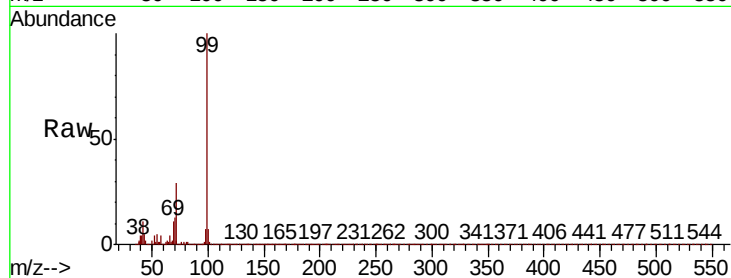
ClientSampleId :

20190828-COMPOSITE-DRE

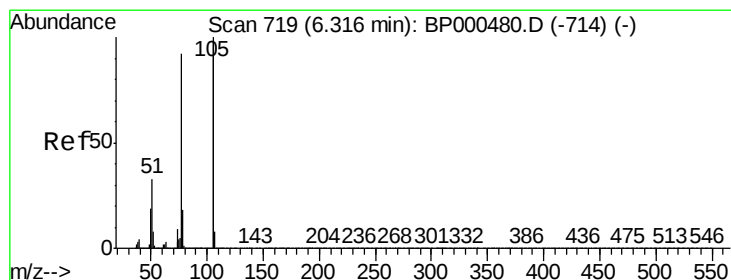
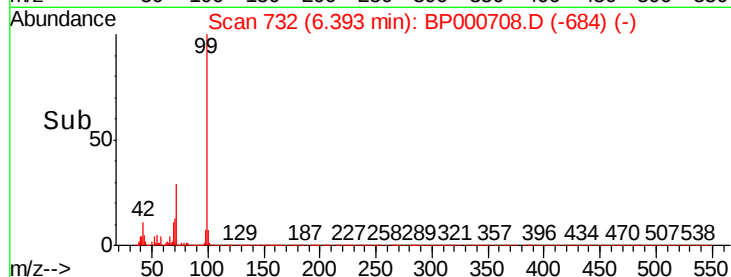
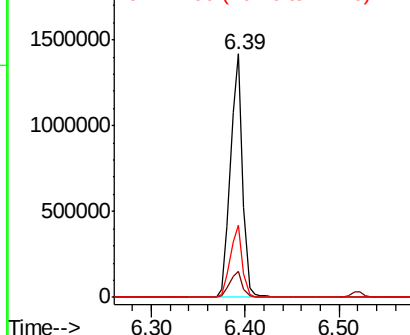
Tot Ion:	99	Resp:	1274498
Ion	Ratio	Lower	Upper
99	100		
42	10.9	8.6	12.8
71	29.5	23.0	34.4

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Abundance Ion 99.00 (98.70 to 99.70): BP0
Ion 42.00 (41.70 to 42.70): BP0
Ion 71.00 (70.70 to 71.70): BP0



#9

Benzaldehyde

Concen: 4.165 ng

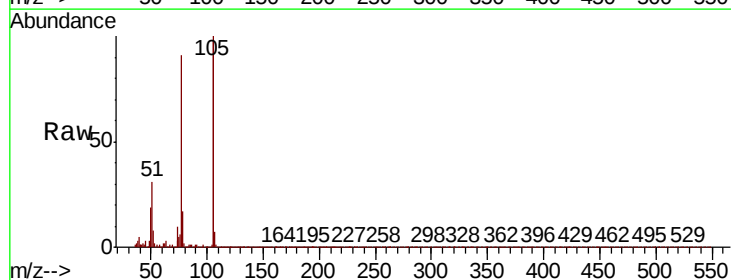
RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

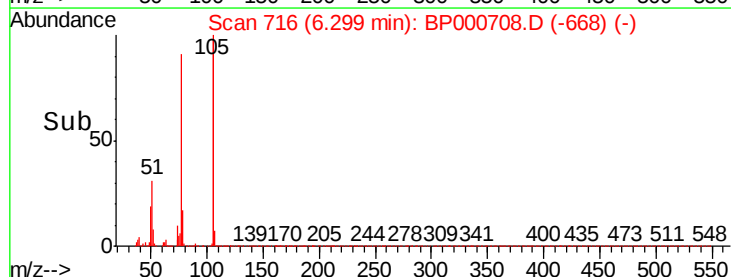
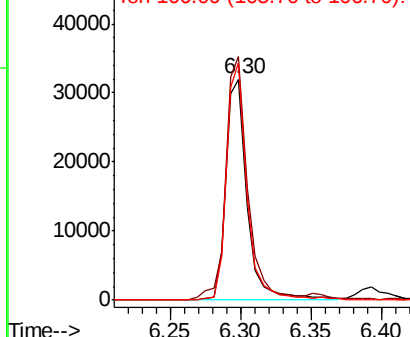
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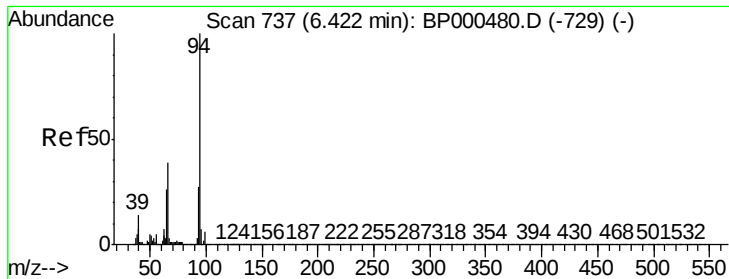
Acq: 14 Oct 2019 14:17

Tgt Ion:	77	Resp:	32955
Ion	Ratio	Lower	Upper
77	100		
105	110.3	88.3	128.3
106	107.6	85.7	125.7



Abundance Ion 77.00 (76.70 to 77.70): BP0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





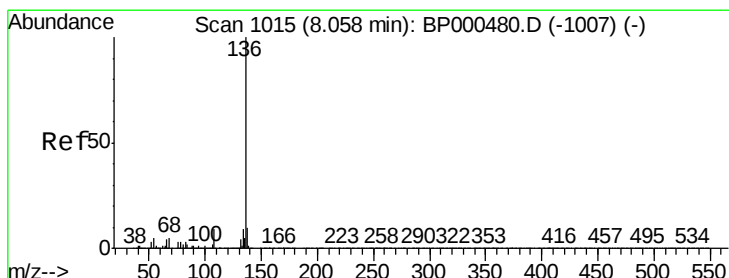
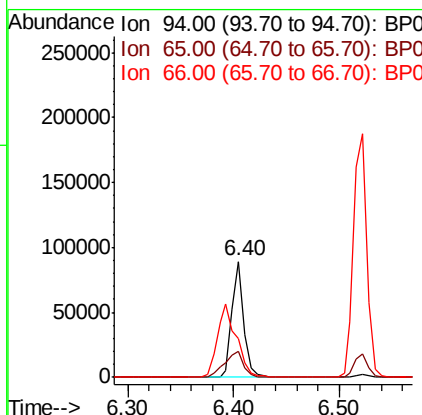
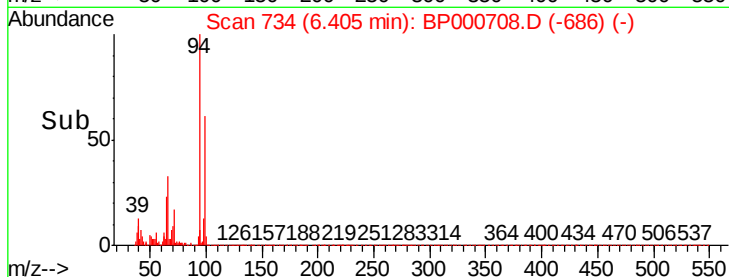
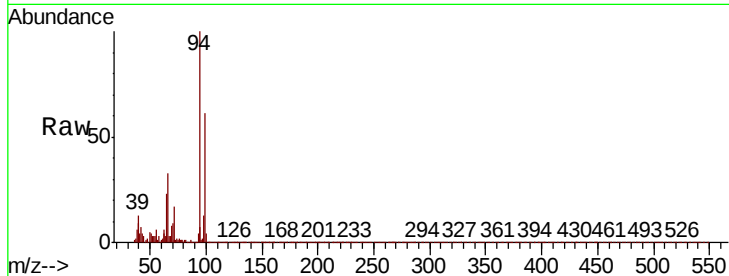
#10
Phenol
Concen: 4.439 ng
RT: 6.40 min Scan# 734
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
BNA_P
ClientSampleId :
20190828-COMPOSITE-DRE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
94	100		69034		
65	22.9	5.9	45.9		
66	33.1	18.8	58.8		

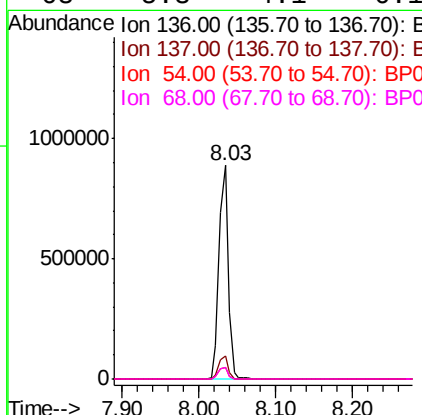
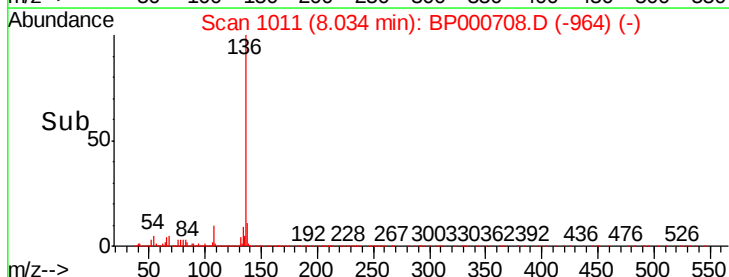
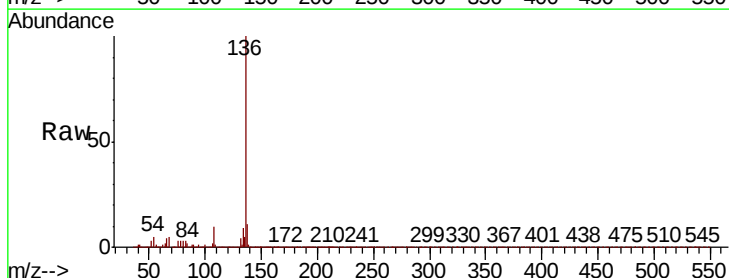
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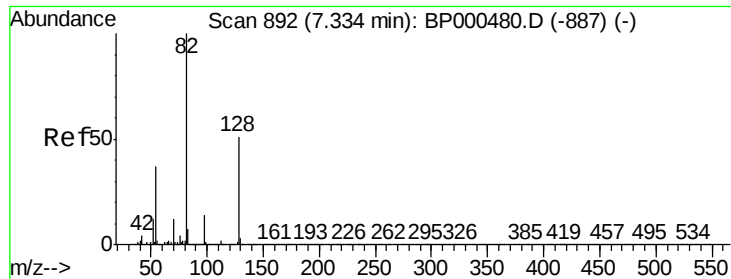
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		726786		
137	10.9	8.2	12.4		
54	5.2	4.1	6.1		
68	5.3	4.1	6.1		





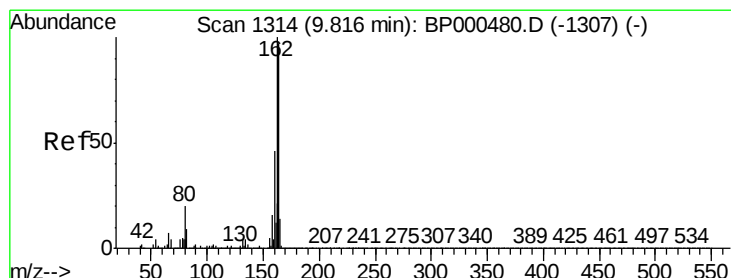
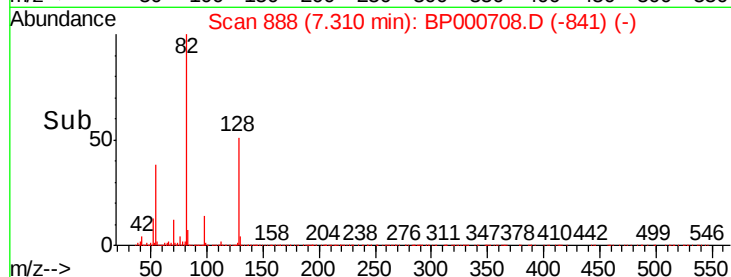
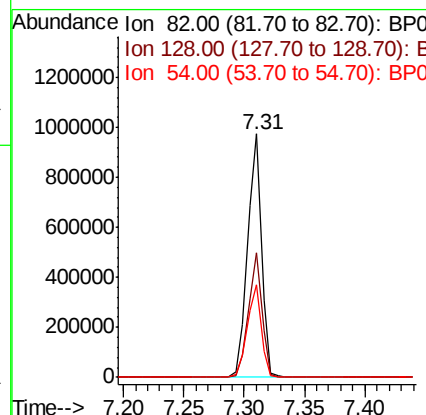
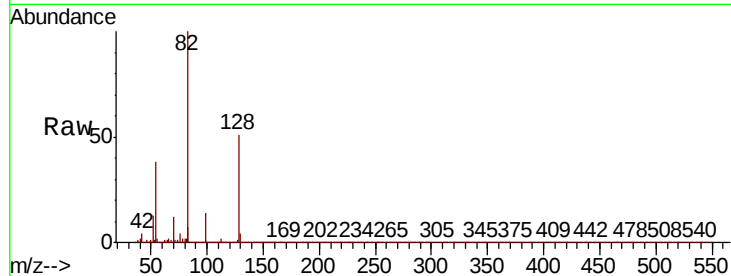
#23
Nitrobenzene-d5
Concen: 66.485 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
BNA_P
ClientSampleId :
20190828-COMPOSITE-DRE

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.4	40.9	61.3
54	37.8	29.4	44.2

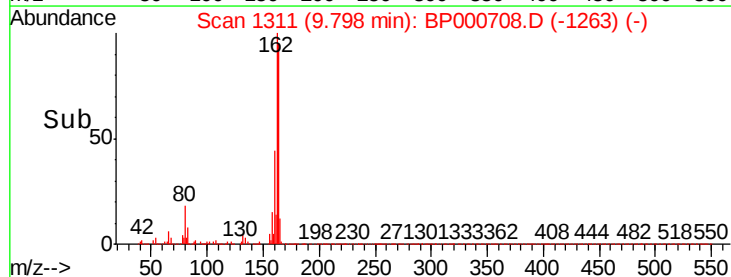
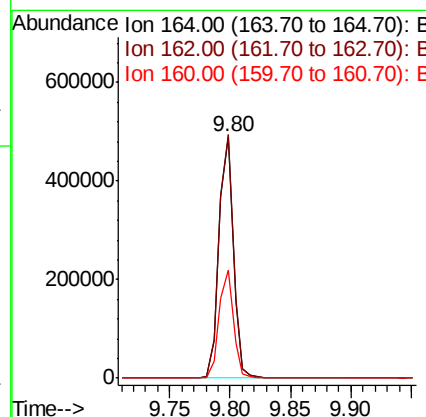
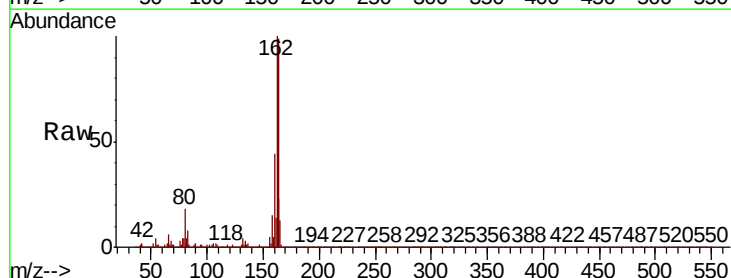
Manual Integrations
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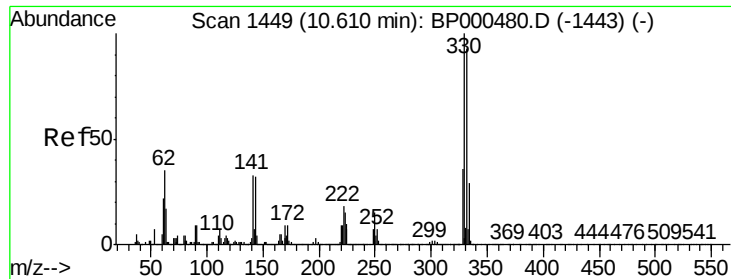
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.2	123.2
160	44.5	37.6	56.4





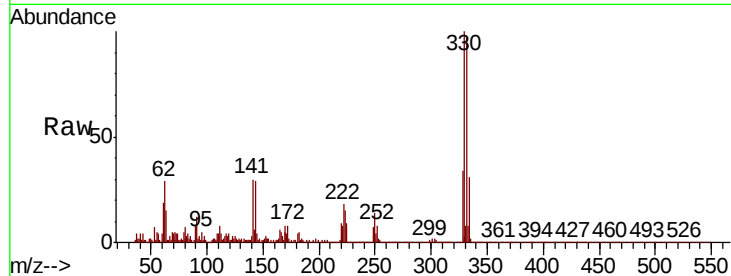
#42
2,4,6-Tribromophenol
Concen: 15.238 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
BNA_P
ClientSampleId :
20190828-COMPOSITE-DRE

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.1	115.7
141	33.8	26.0	39.0

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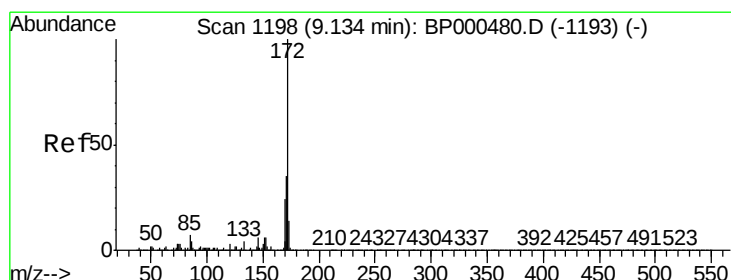
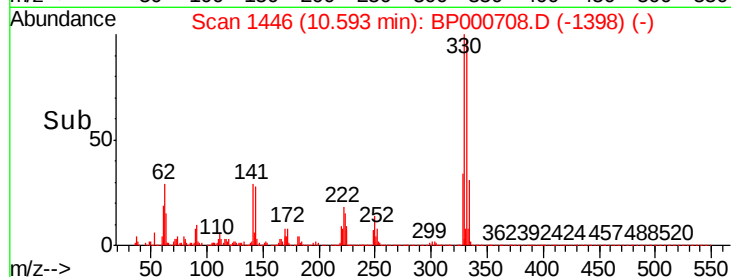
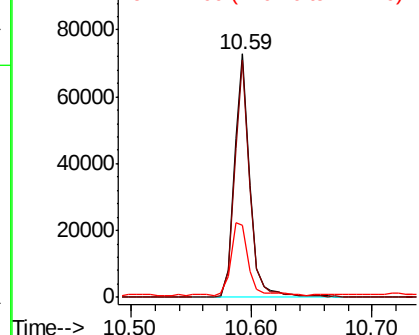


Abundance

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: 60.794 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

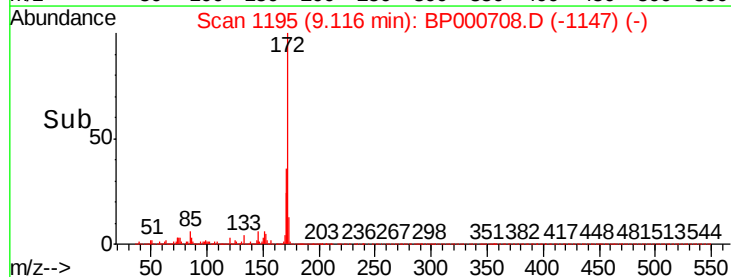
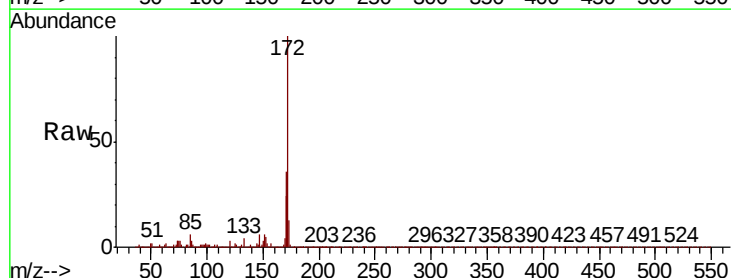
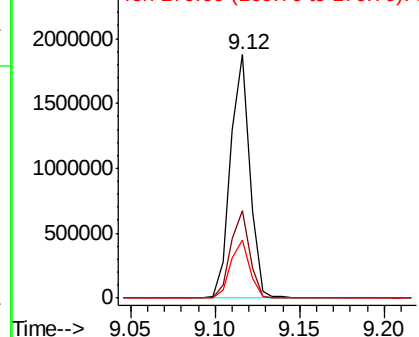
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.4	42.6
170	23.9	19.1	28.7

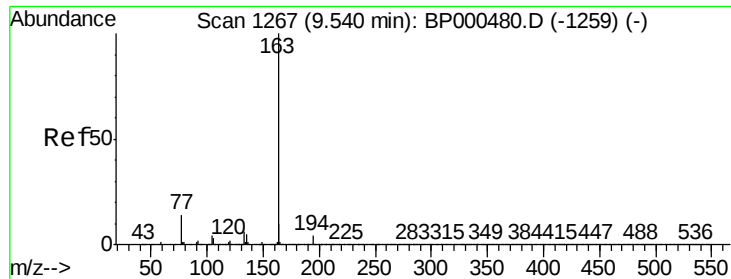
Abundance

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





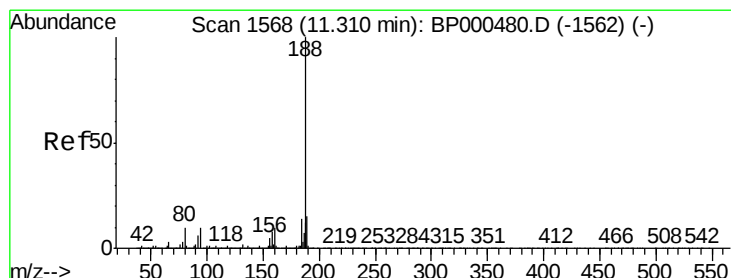
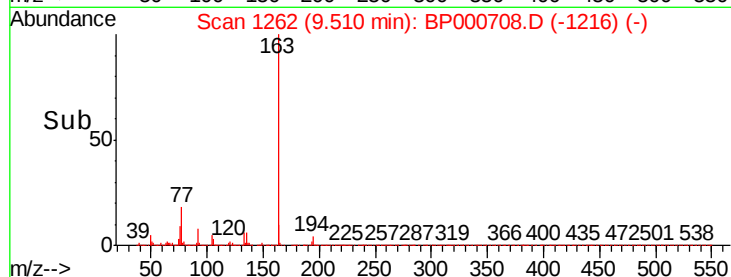
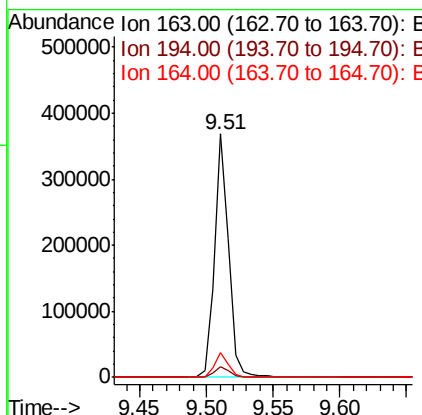
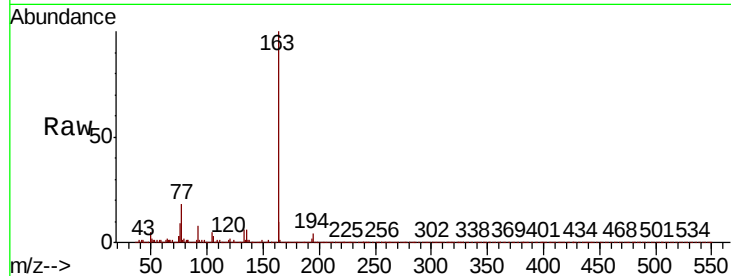
#50
Dimethylphthalate
Concen: 9.930 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
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20190828-COMPOSITE-DRE

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.1	8.0	12.0

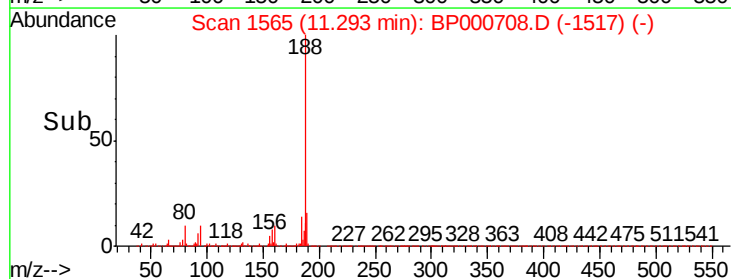
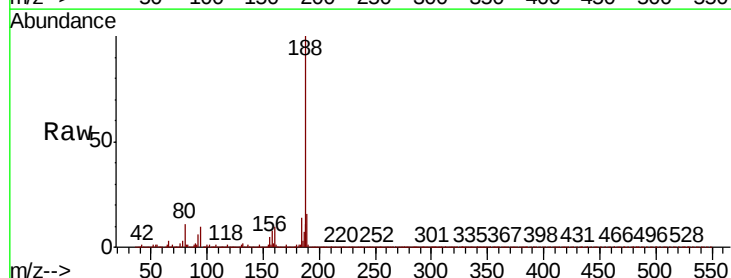
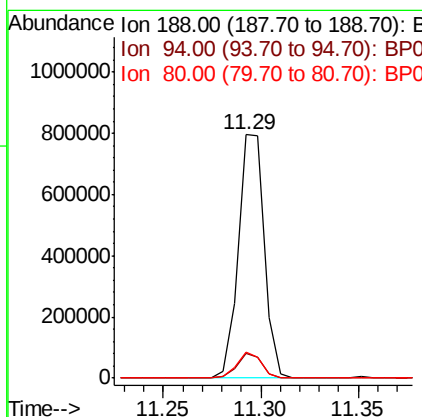
Manual Integrations
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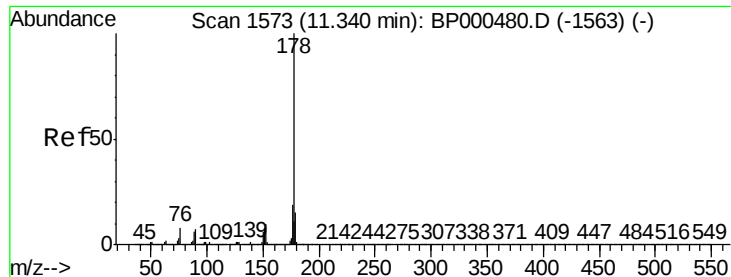
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.4	8.2	12.2
80	10.6	8.3	12.5





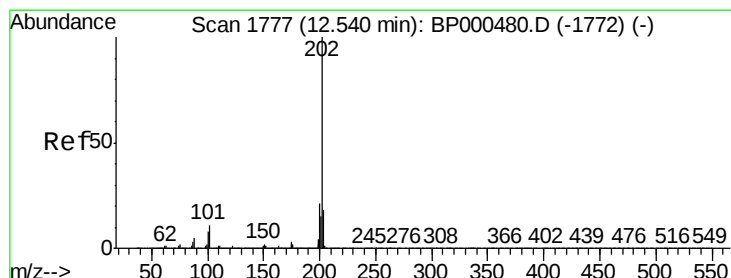
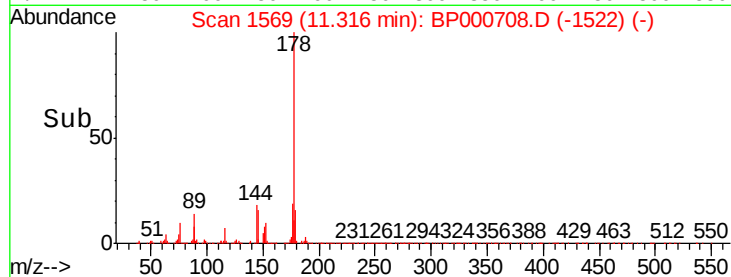
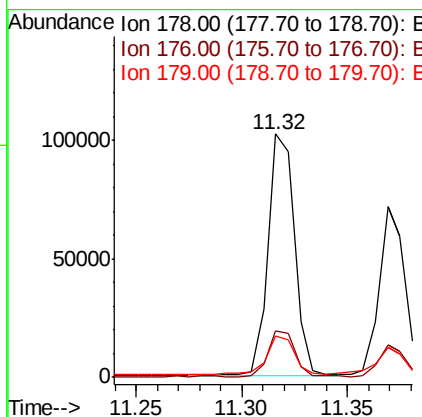
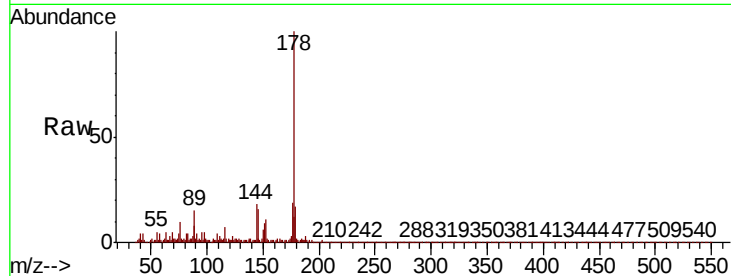
#71
Phenanthrene
Concen: 2.431 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
BNA_P
ClientSampleId :
20190828-COMPOSITE-DRE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.9	12.2	18.4

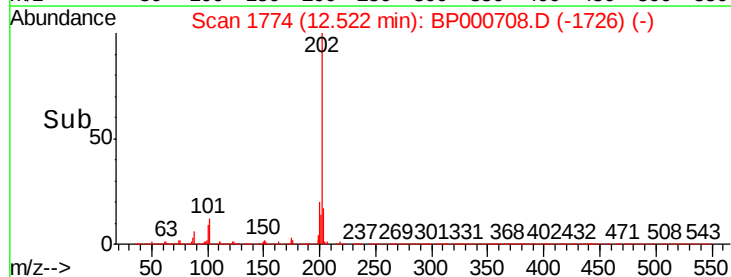
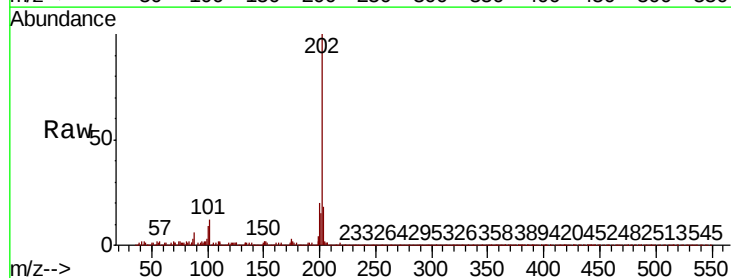
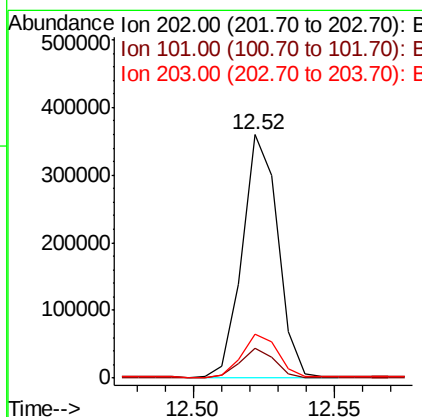
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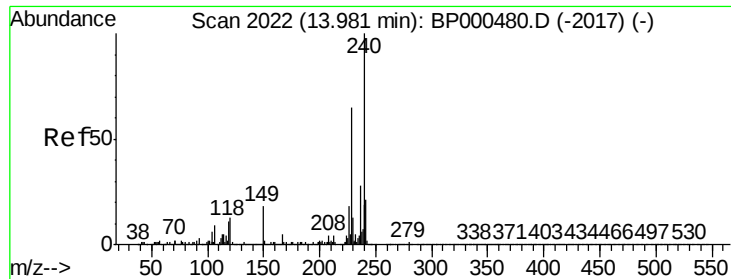
mohammad
10/16/2019 8:11:15 AM



#75
Fluoranthene
Concen: 7.580 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.3
203	17.8	0.0	38.1





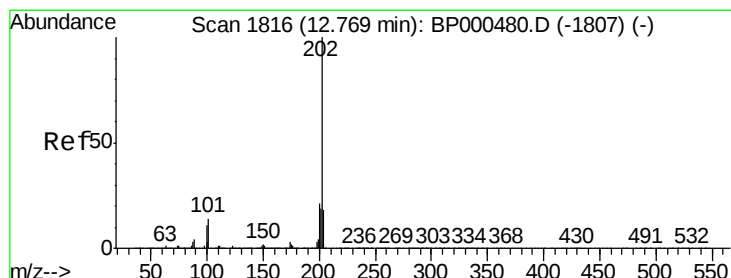
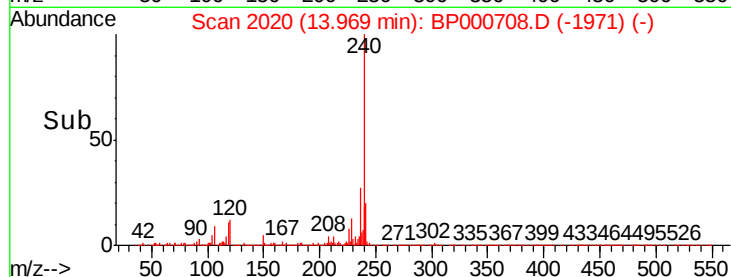
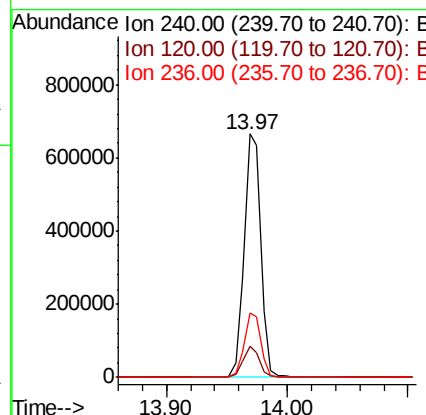
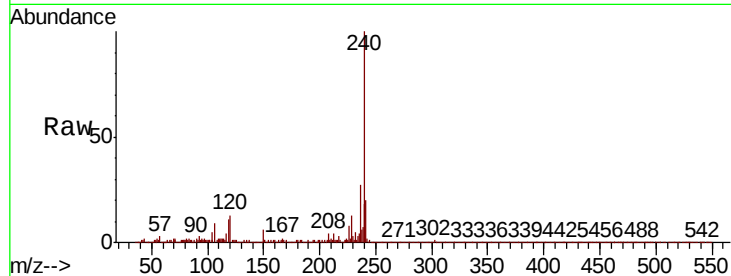
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
BNA_P
ClientSampleId :
20190828-COMPOSITE-DRE

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.1	15.1
236	26.7	22.7	34.1

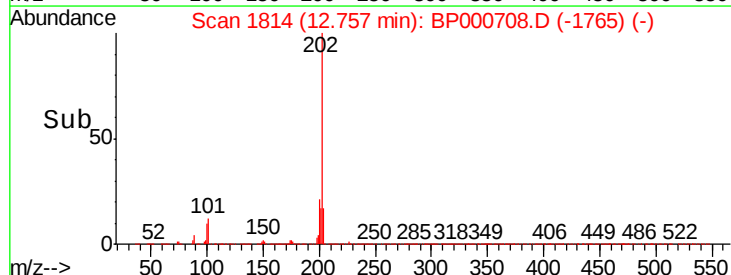
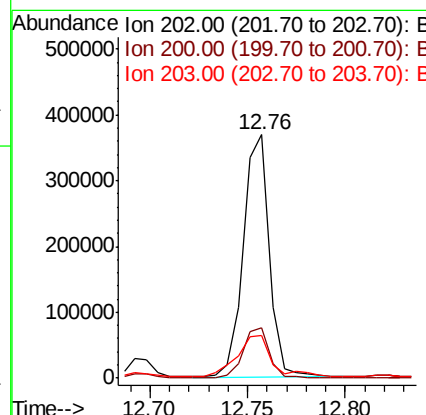
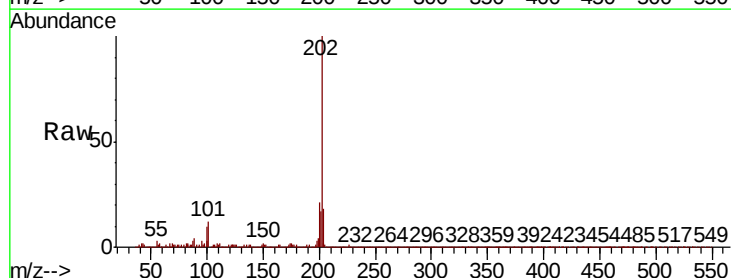
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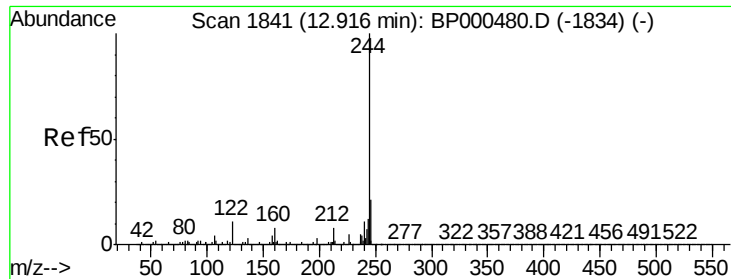
mohammad
10/16/2019 8:11:15 AM



#78
Pyrene
Concen: 7.710 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.1	25.7
203	17.6	14.6	21.8





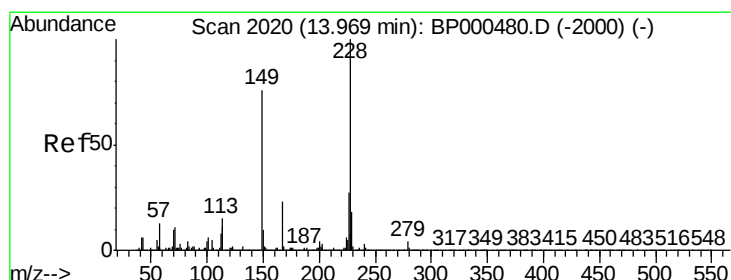
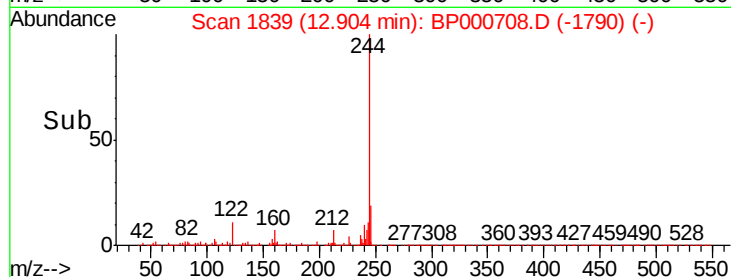
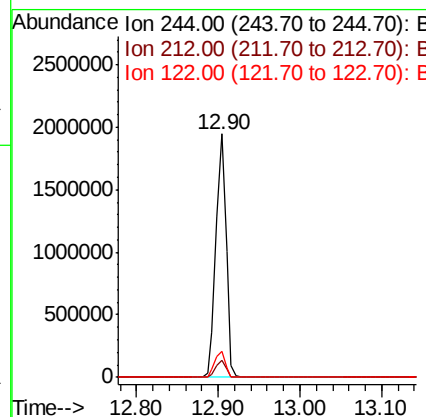
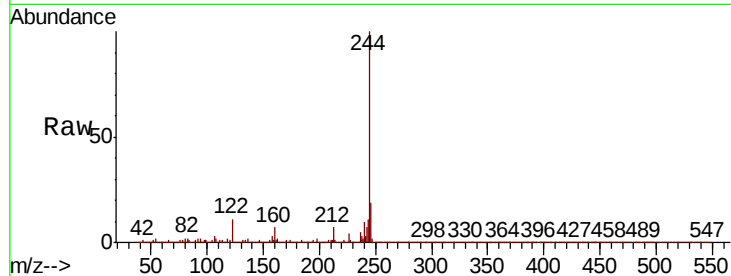
#79
 Terphenyl-d14
 Concen: 53.152 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BP000708.D
 Acq: 14 Oct 2019 14:17

Instrument :
 BNA_P
 ClientSampleId :
 20190828-COMPOSITE-DRE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	10.6	8.9	13.3

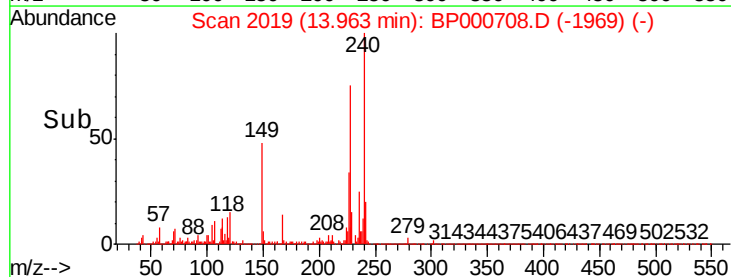
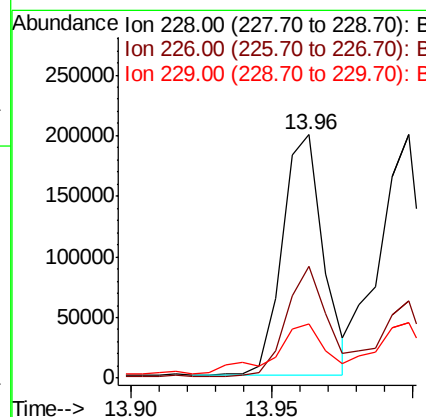
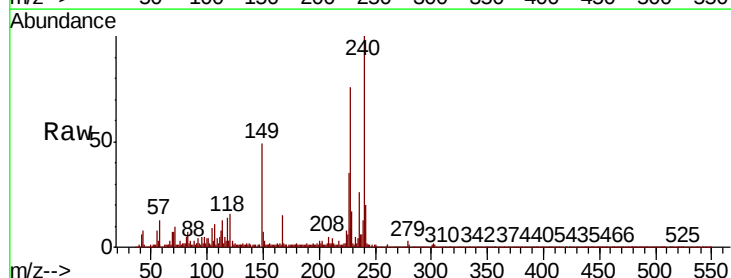
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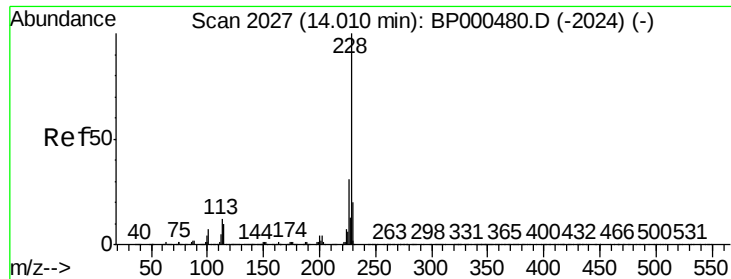
mohammad
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#81
 Benzo(a)anthracene
 Concen: 5.143 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BP000708.D
 Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	45.7	21.4	32.2#
229	22.5	14.7	22.1#





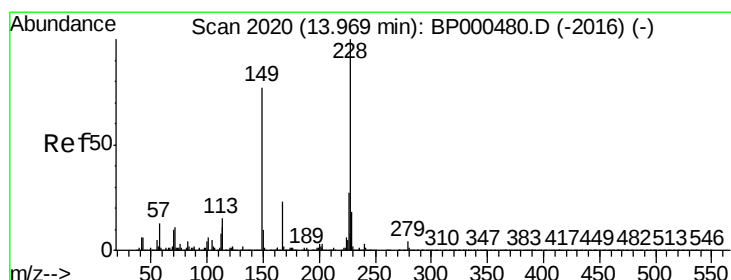
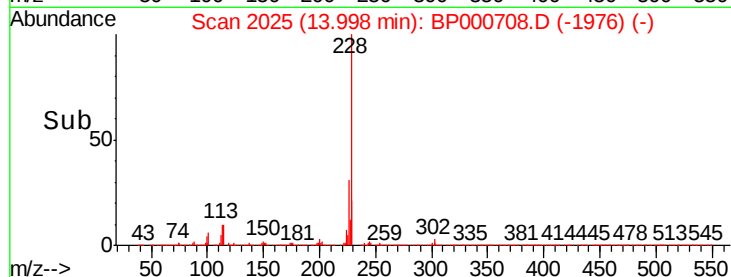
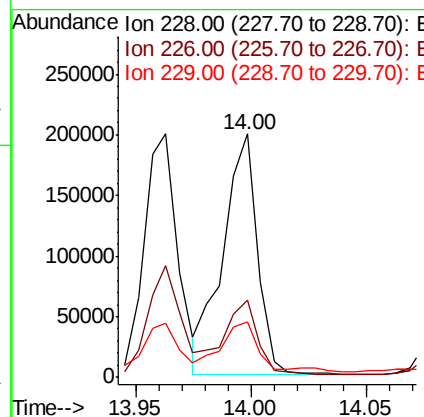
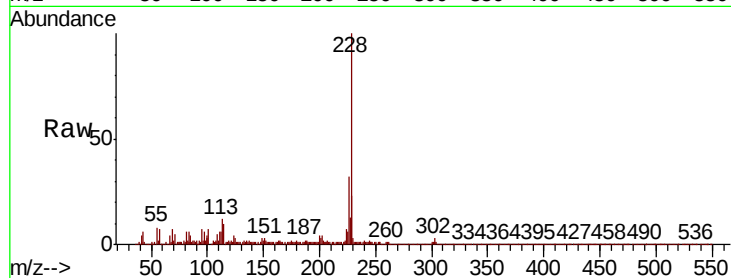
#83
 Chrysene
 Concen: 5.414 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BP000708.D
 Acq: 14 Oct 2019 14:17

Instrument :
 BNA_P
 ClientSampleId :
 20190828-COMPOSITE-DRE

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.7	37.1
229	22.7	16.3	24.5

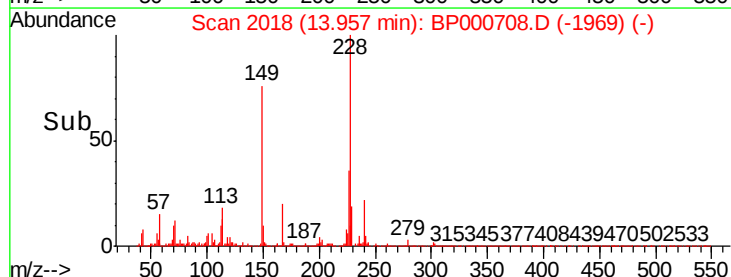
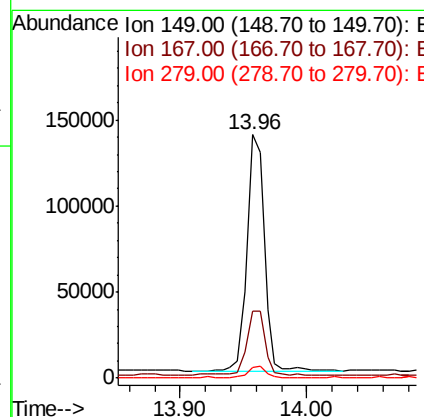
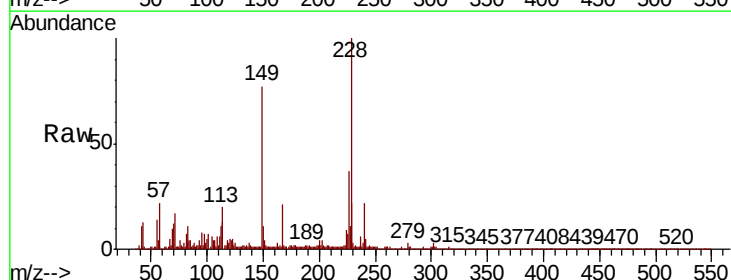
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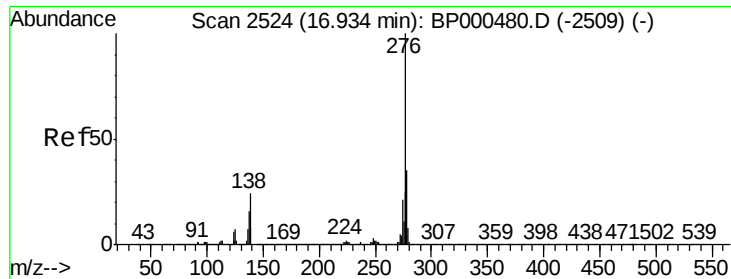
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.403 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BP000708.D
 Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	23.6	35.4
279	4.2	3.9	5.9





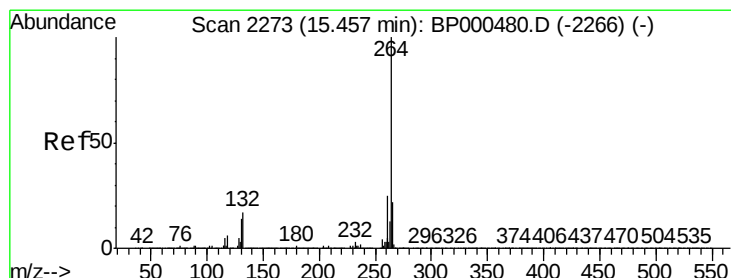
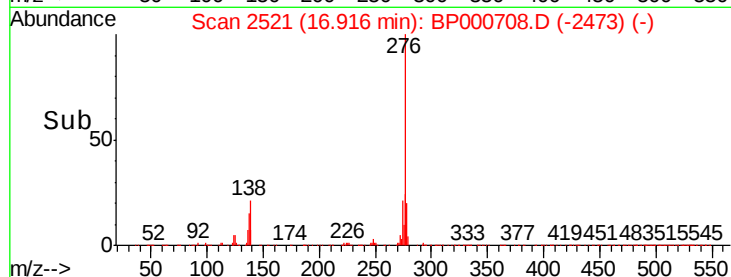
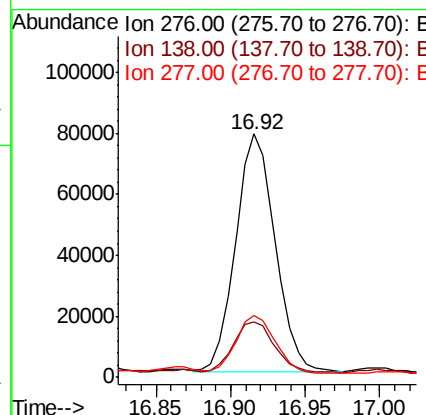
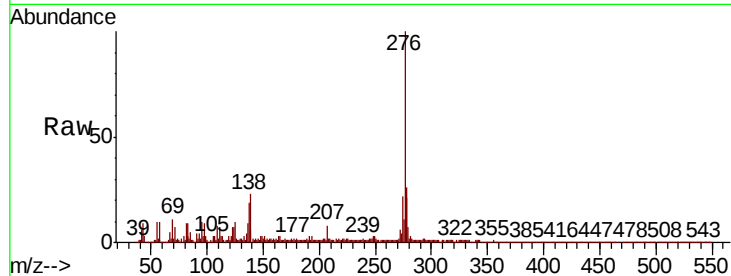
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.998 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.02 min
 Lab File: BP000708.D
 Acq: 14 Oct 2019 14:17

Instrument :
 BNA_P
 ClientSampleId :
 20190828-COMPOSITE-DRE

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	20.9	31.3
277	24.8	20.6	30.8

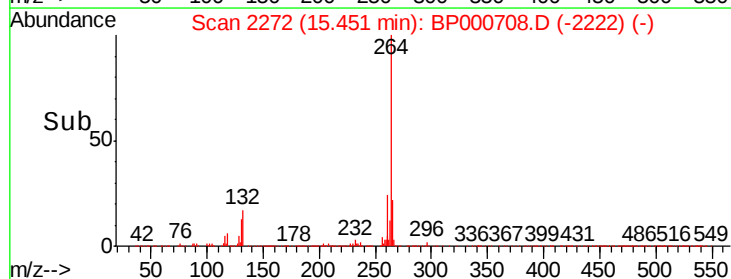
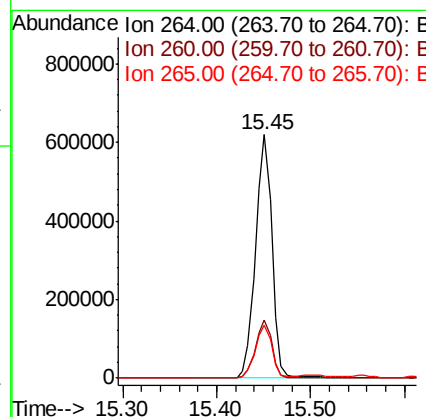
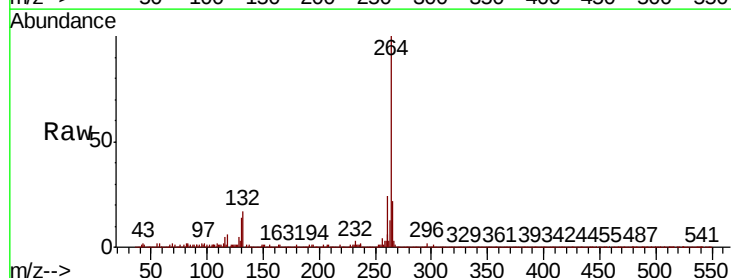
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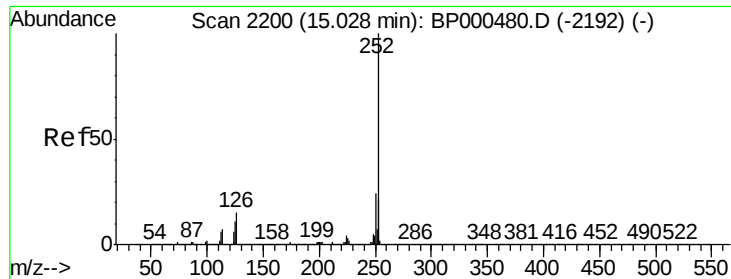
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BP000708.D
 Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.3	30.5
265	21.9	18.0	27.0





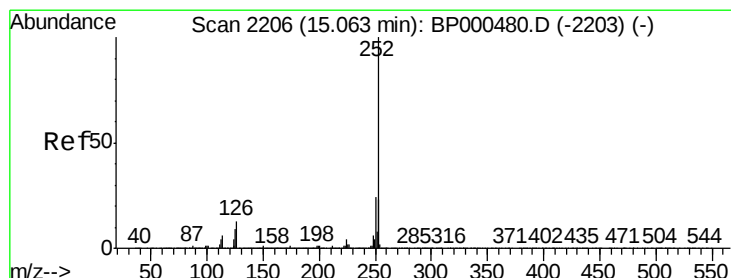
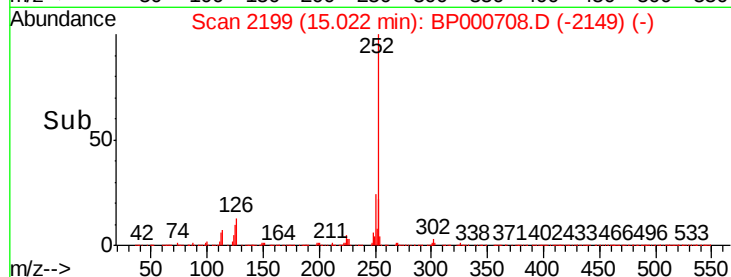
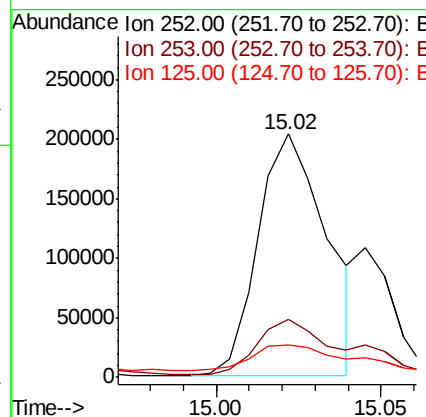
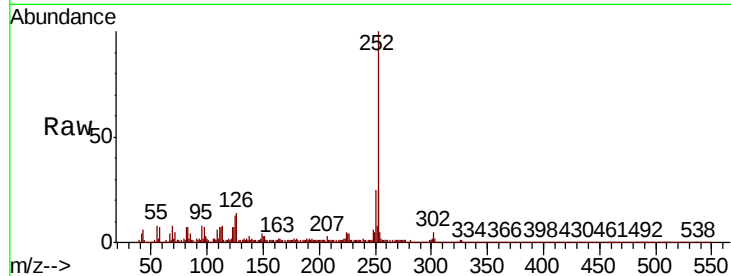
#88
Benzo(b)fluoranthene
Concen: 6.885 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
BNA_P
ClientSampleId :
20190828-COMPOSITE-DRE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.4
125	13.3	8.9	13.3#

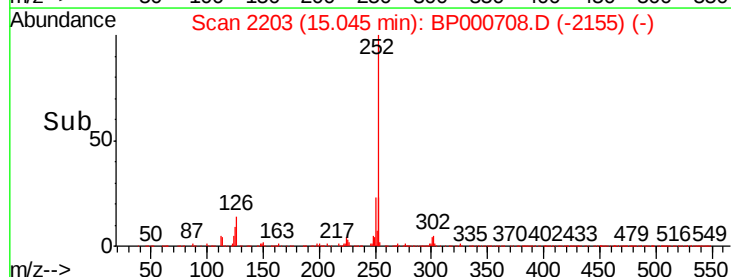
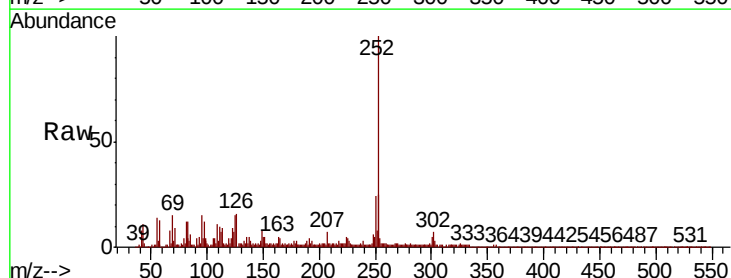
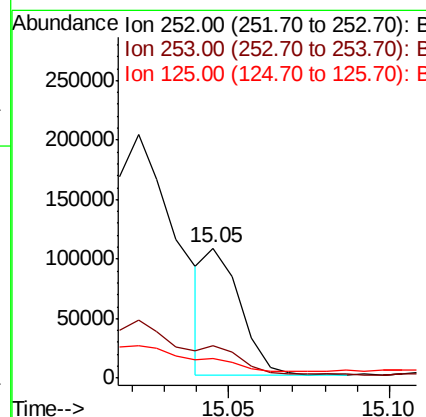
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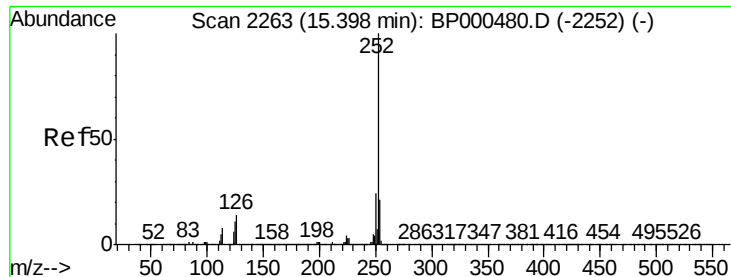
mohammad
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#89
Benzo(k)fluoranthene
Concen: 2.027 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.4	27.6
125	14.7	7.8	11.8#





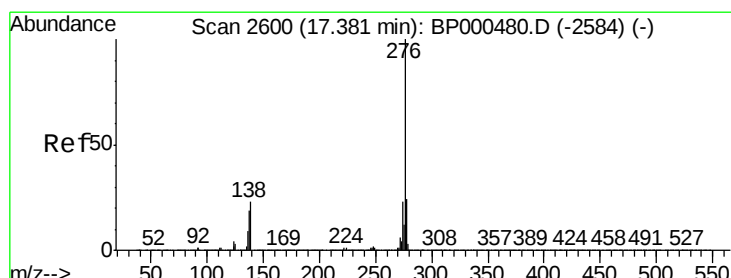
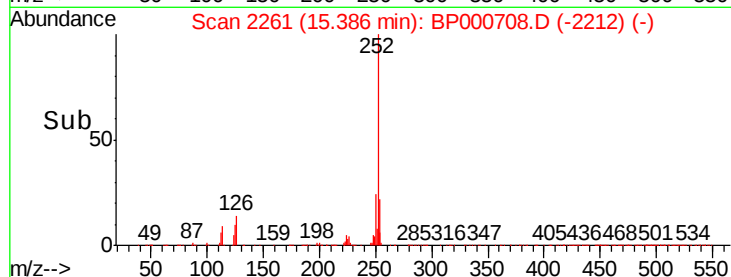
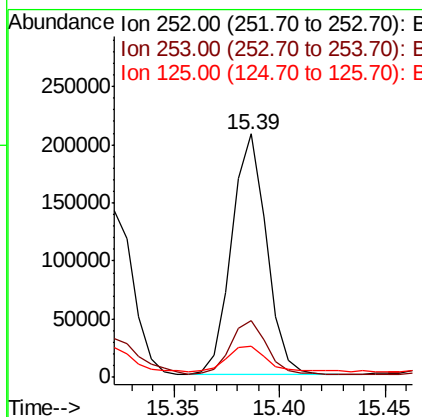
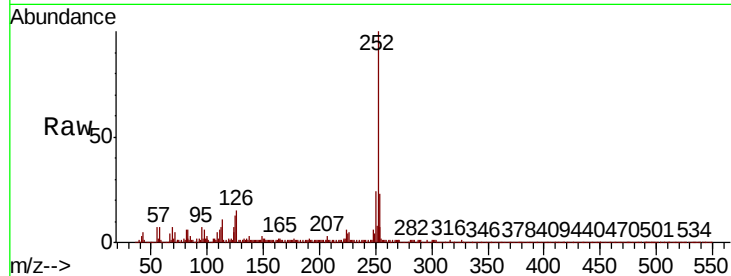
#90
Benzo(a)pyrene
Concen: 5.960 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
BNA_P
ClientSampleId :
20190828-COMPOSITE-DRE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	12.8	8.4	12.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.966 ng
RT: 17.36 min Scan# 2596
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.2
138	23.5	18.5	27.7

