

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101419\
 Data File : BP000710.D
 Acq On : 14 Oct 2019 15:05
 Operator : JU
 Sample : K5348-06RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 20190830-COMPOSITE-FRE

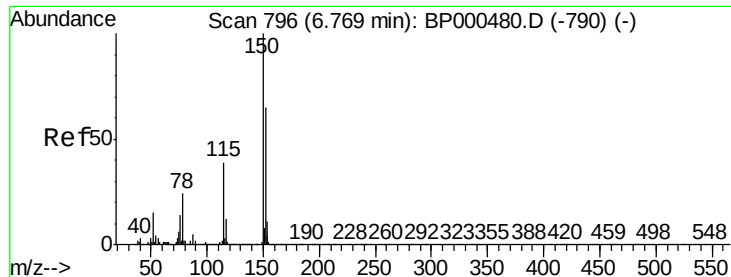
Manual Integrations
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Quant Time: Oct 15 04:21:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	207655	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	752075	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	405832	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	746896	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	624921	20.00	ng	0.00
87) Perylene-d12	15.46	264	743074	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	355225	27.50	ng	-0.02
7) Phenol-d6	6.39	99	1235734	79.38	ng	-0.02
23) Nitrobenzene-d5	7.31	82	819865	66.58	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	65382	15.12	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1408599	56.16	ng	-0.02
79) Terphenyl-d14	12.90	244	1601629	51.89	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.30	77	38463	4.743	ng	98
10) Phenol	6.40	94	91028	5.711	ng	91
50) Dimethylphthalate	9.51	163	277531	9.842	ng	99
71) Phenanthrene	11.32	178	88213	2.352	ng	98
75) Fluoranthene	12.52	202	304757	7.234	ng	99
78) Pyrene	12.75	202	325909	7.562	ng	99
81) Benzo(a)anthracene	13.96	228	179593	4.710	ng	# 78
83) Chrysene	14.00	228	178692	4.775	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	132525	5.610	ng	100
86) Indeno(1,2,3-cd)pyrene	16.93	276	139057	2.975	ng	96
88) Benzo(b)fluoranthene	15.03	252	283419m	6.723	ng	
90) Benzo(a)pyrene	15.39	252	218232	5.553	ng	# 89
92) Benzo(a,h,i)perylene	17.37	276	143706	3.711	ng	98

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



#1

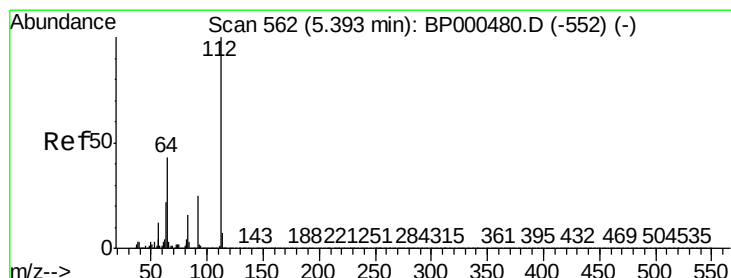
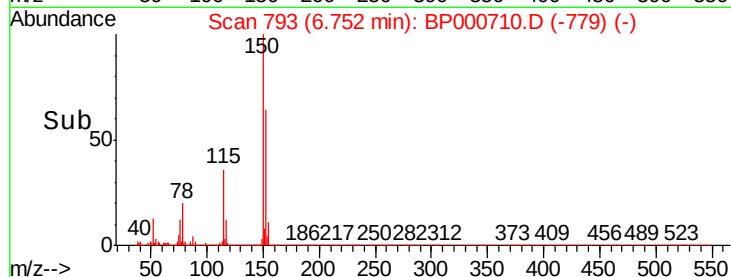
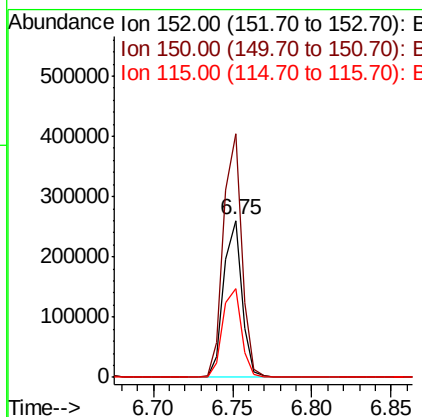
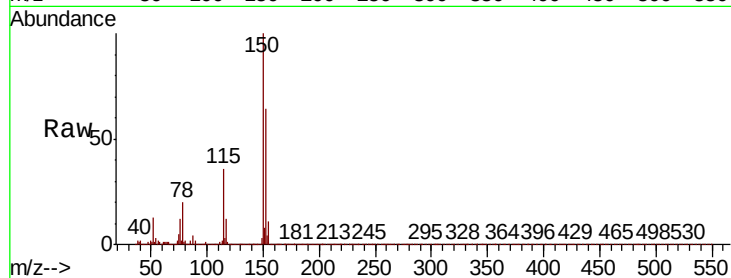
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Instrument :
BNA_P
ClientSampleId :
20190830-COMPOSITE-FRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.1	186.1
115	56.7	48.7	73.1

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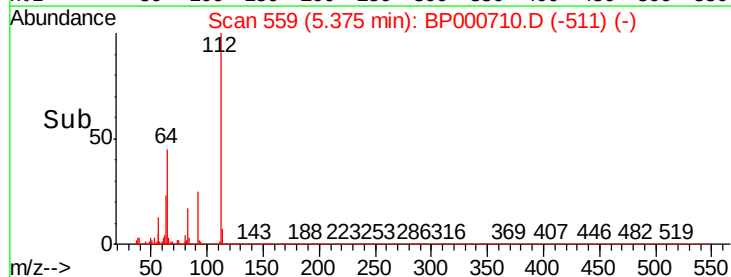
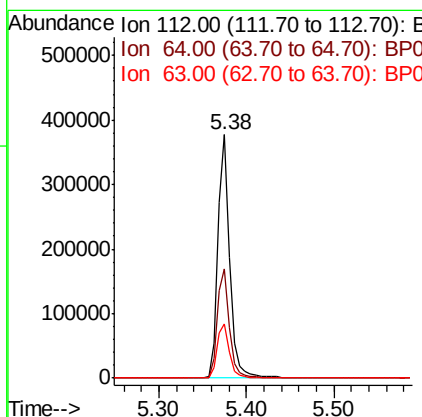
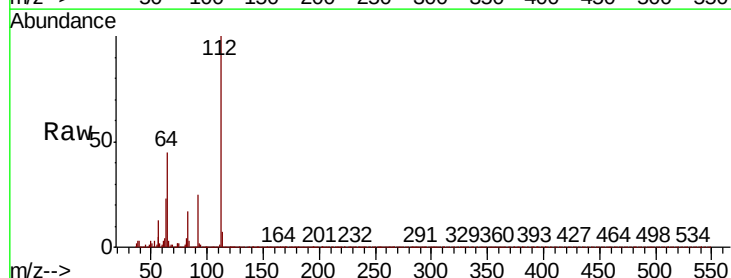
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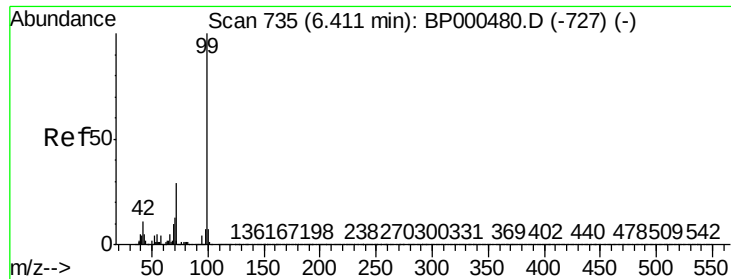


#5

2-Fluorophenol
Concen: 27.498 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.9	34.2	51.4
63	22.5	17.9	26.9





#7

Phenol-d6

Concen: 79.381 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000710.D

Acq: 14 Oct 2019 15:05

Instrument :

BNA_P

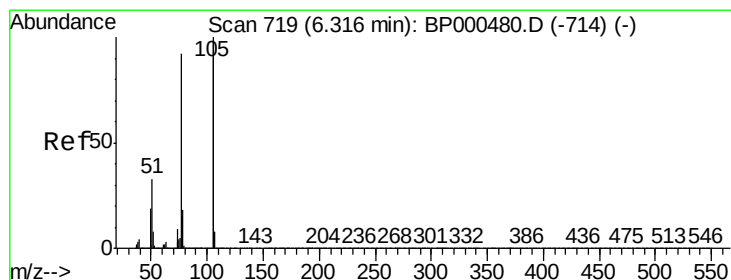
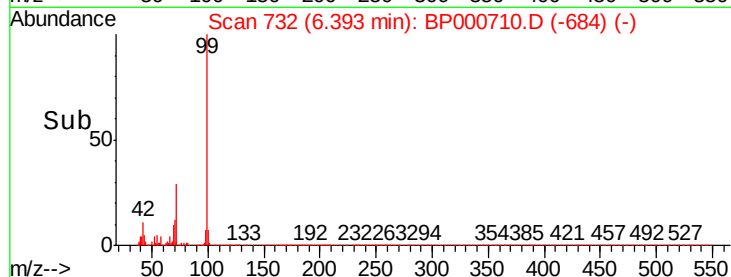
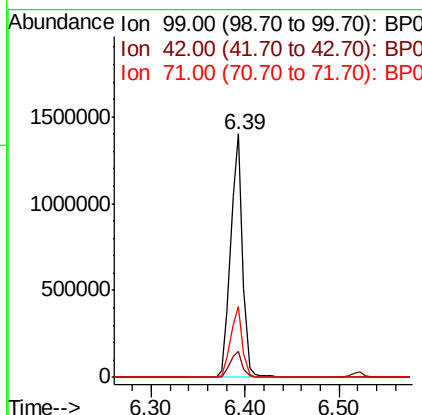
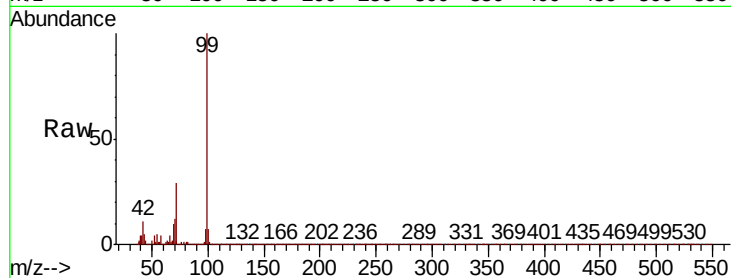
ClientSampleId :

20190830-COMPOSITE-FRE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		1235734		
42	10.6	8.6	12.8		
71	29.0	23.0	34.4		

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#9

Benzaldehyde

Concen: 4.743 ng

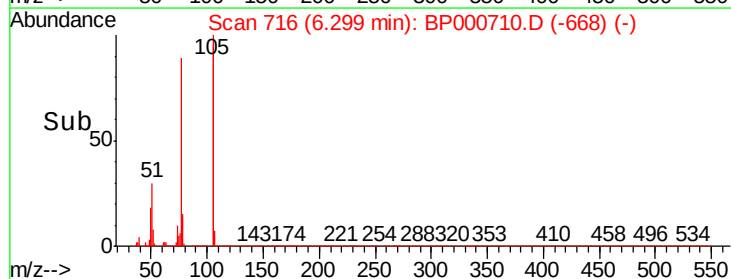
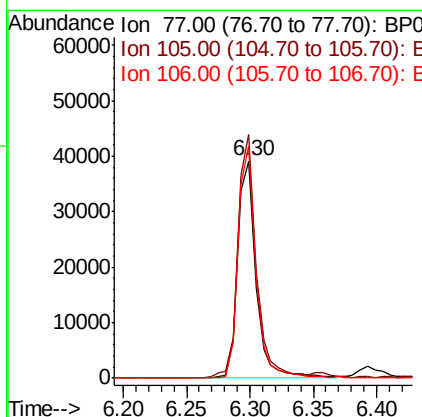
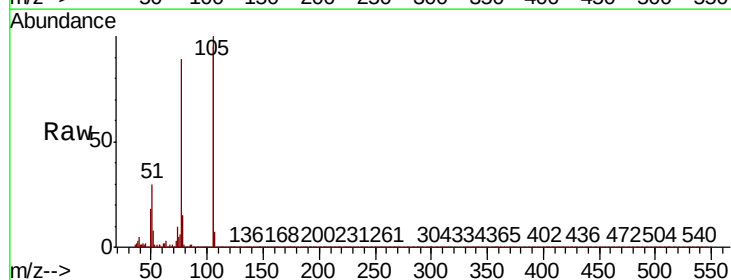
RT: 6.30 min Scan# 716

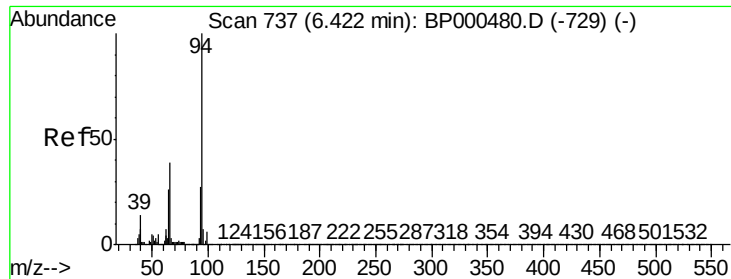
Delta R.T. -0.02 min

Lab File: BP000710.D

Acq: 14 Oct 2019 15:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
77	100		38463		
105	112.3	88.3	128.3		
106	106.9	85.7	125.7		





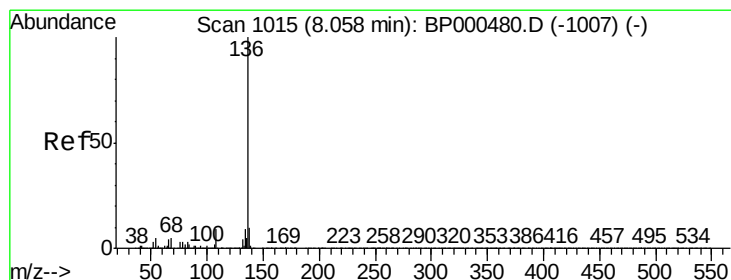
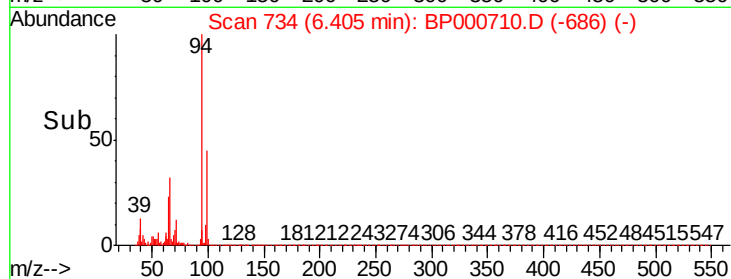
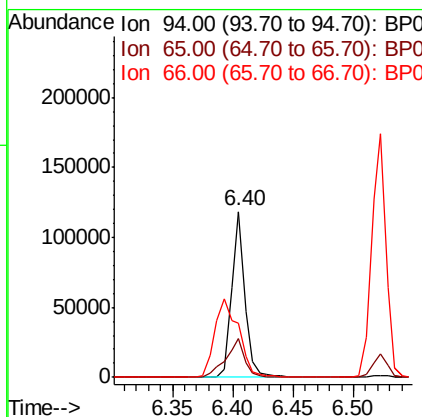
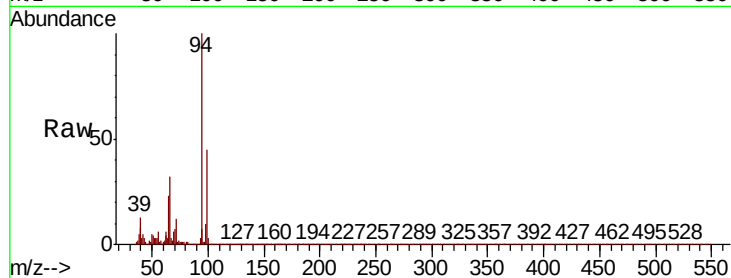
#10
Phenol
Concen: 5.711 ng
RT: 6.40 min Scan# 734
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Instrument :
BNA_P
ClientSampleId :
20190830-COMPOSITE-FRE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	23.0	5.9	45.9		
66	32.3	18.8	58.8		

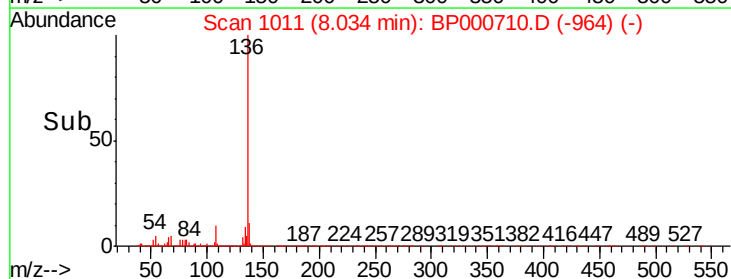
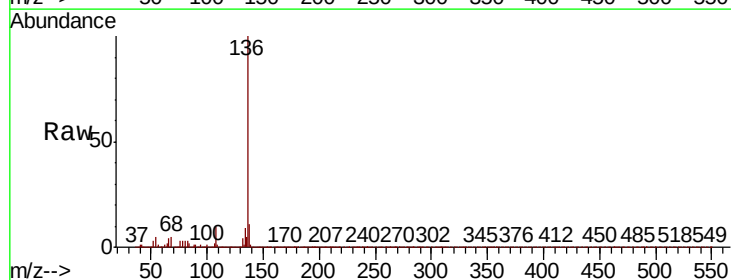
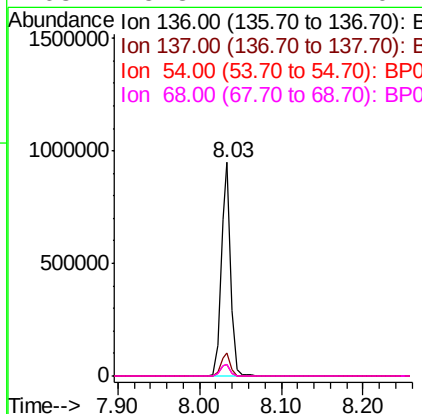
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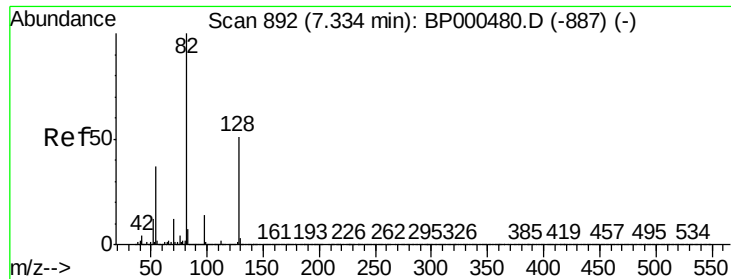
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

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





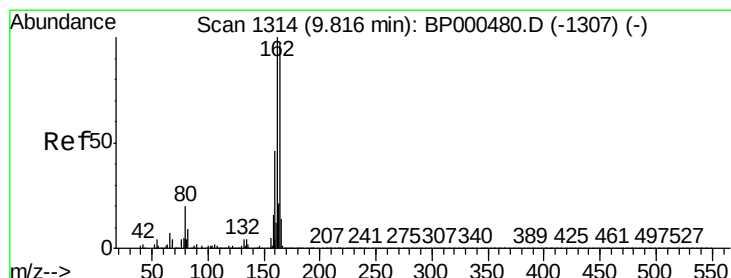
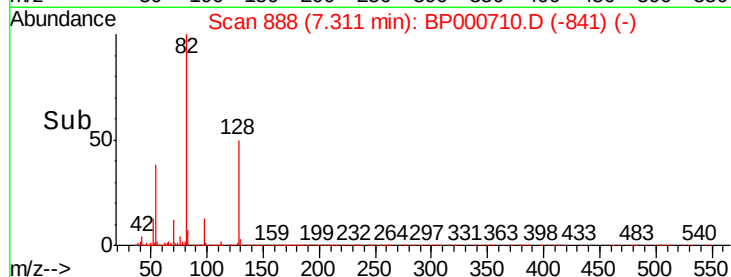
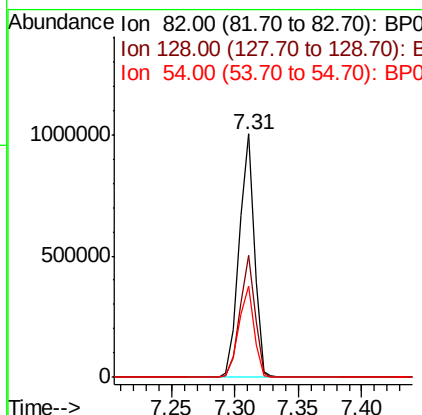
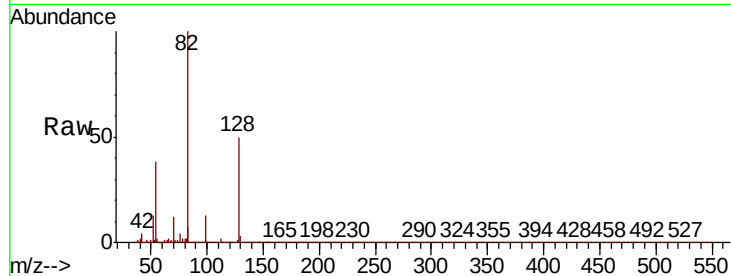
#23
 Nitrobenzene-d5
 Concen: 66.581 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BP000710.D
 Acq: 14 Oct 2019 15:05

Instrument :
 BNA_P
 ClientSampleId :
 20190830-COMPOSITE-FRE

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.2	40.9	61.3
54	37.6	29.4	44.2

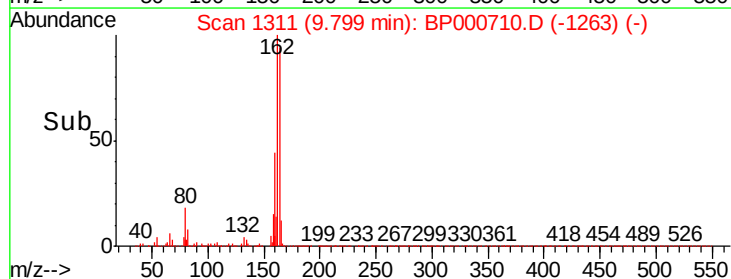
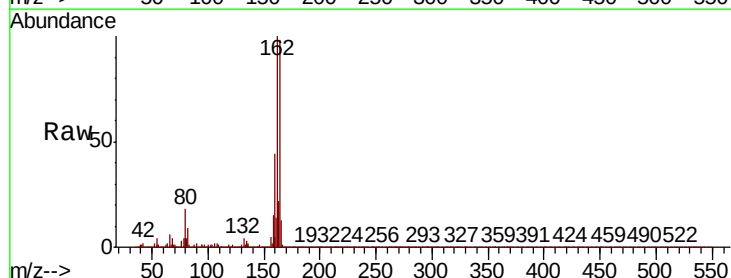
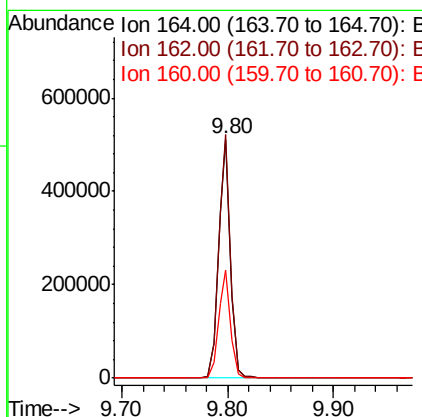
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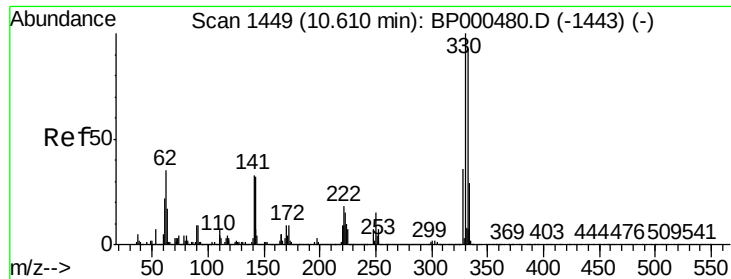
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BP000710.D
 Acq: 14 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.2	123.2
160	45.3	37.6	56.4





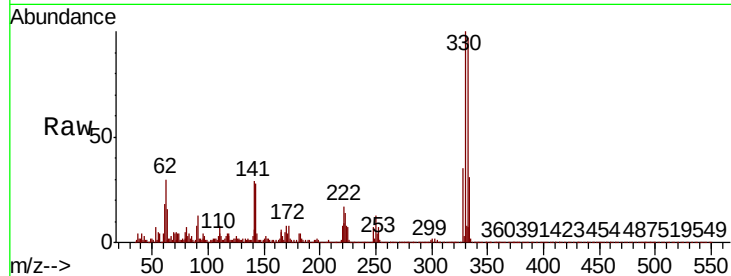
#42
2,4,6-Tribromophenol
Concen: 15.119 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Instrument :
BNA_P
ClientSampleId :
20190830-COMPOSITE-FRE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.1	115.7
141	32.5	26.0	39.0

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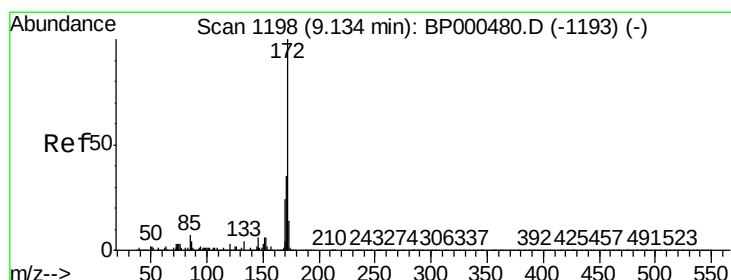
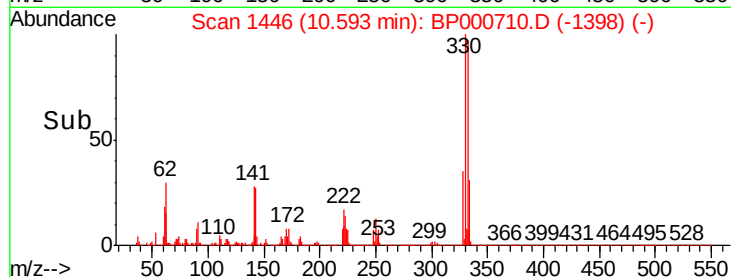
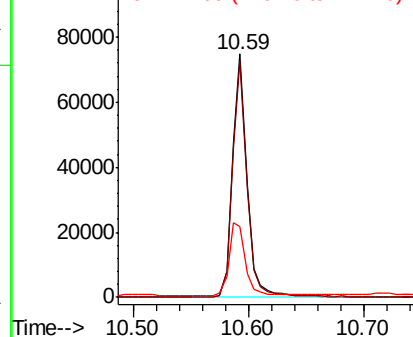


Abundance

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: 56.159 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

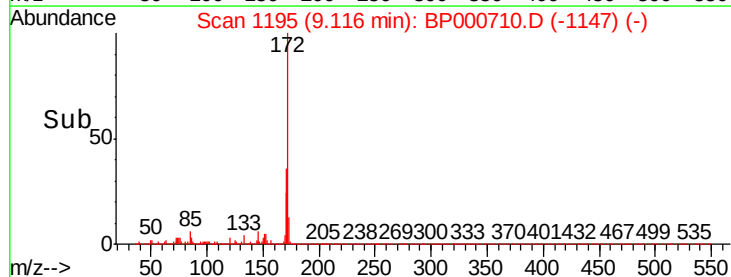
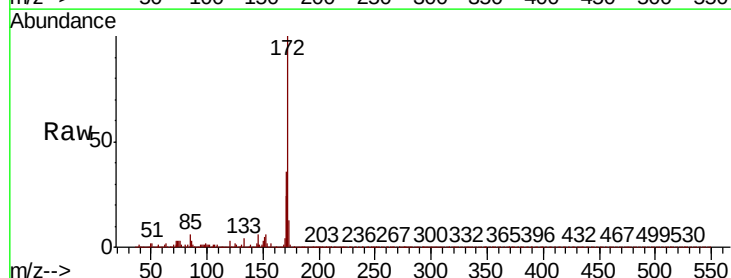
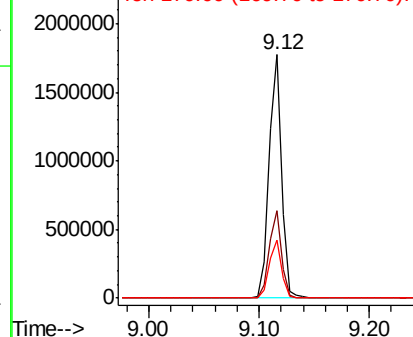
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.4	42.6
170	23.8	19.1	28.7

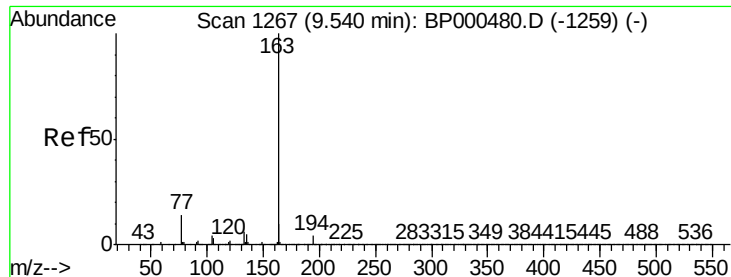
Abundance

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





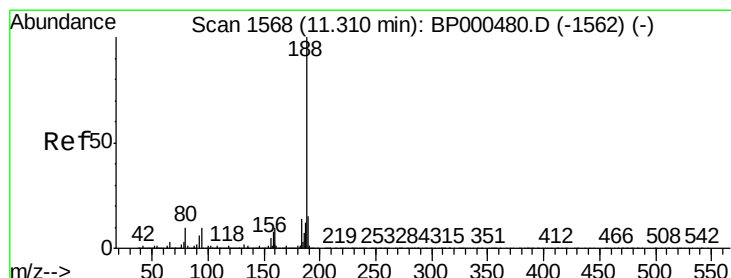
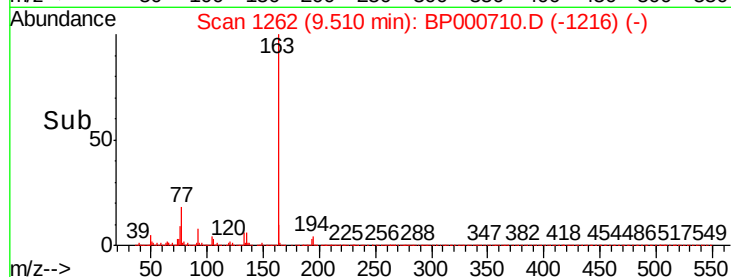
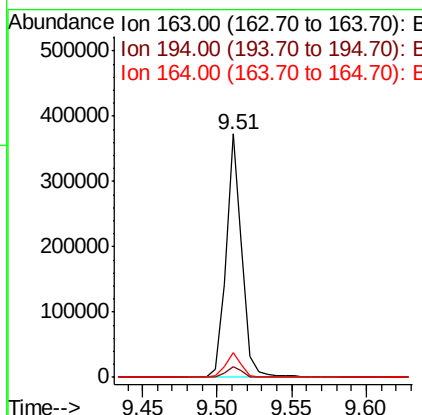
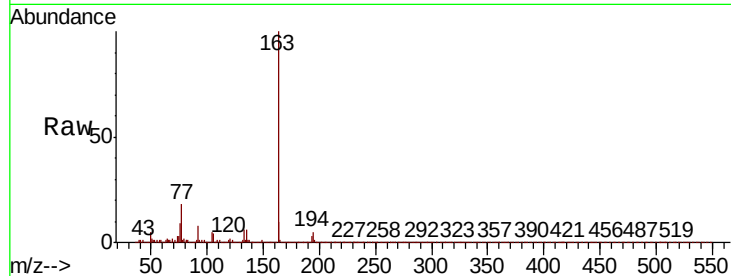
#50
Dimethylphthalate
Concen: 9.842 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Instrument :
BNA_P
ClientSampleId :
20190830-COMPOSITE-FRE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		277531		
194	4.6	3.4	5.2		
164	10.4	8.0	12.0		

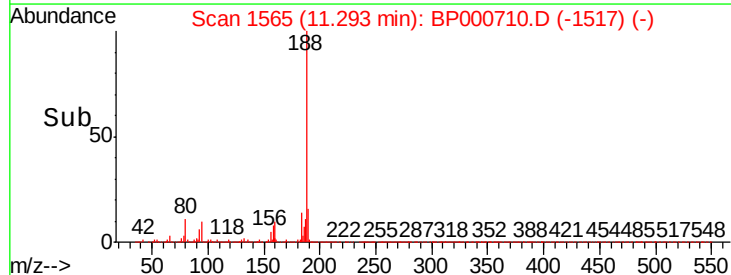
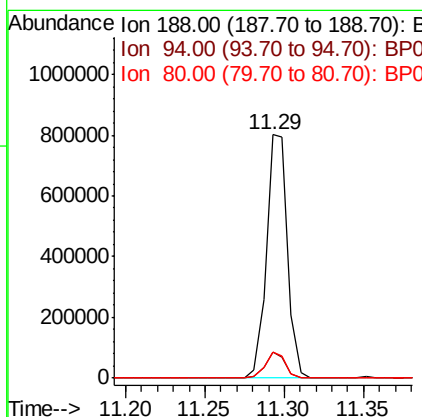
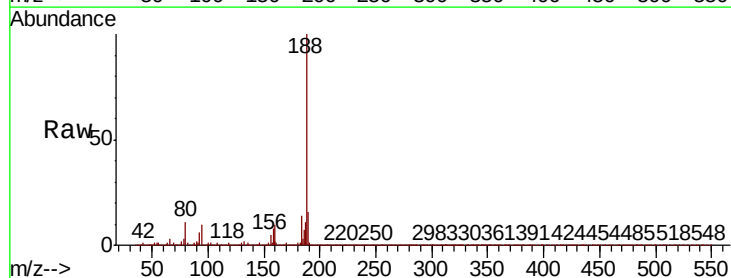
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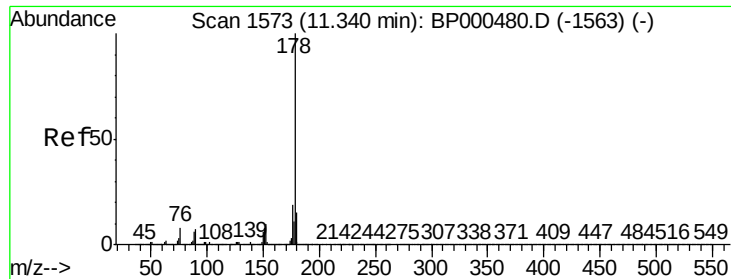
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		746896		
94	10.4	8.2	12.2		
80	10.9	8.3	12.5		





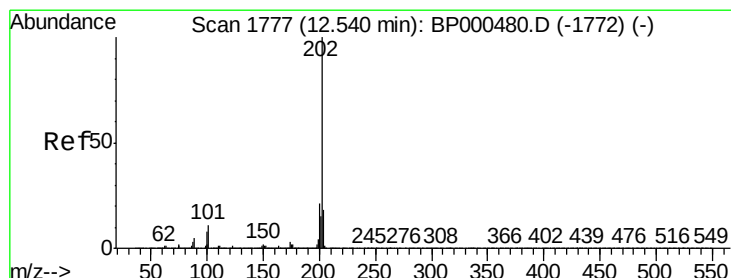
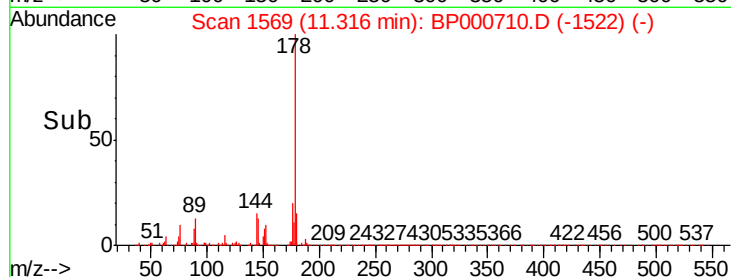
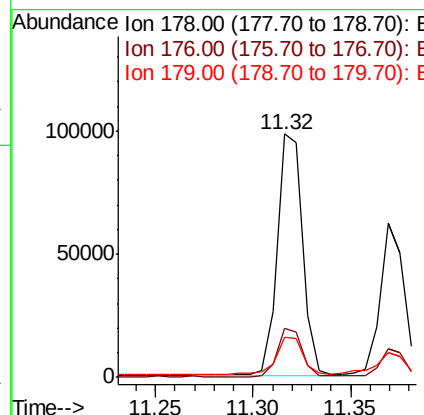
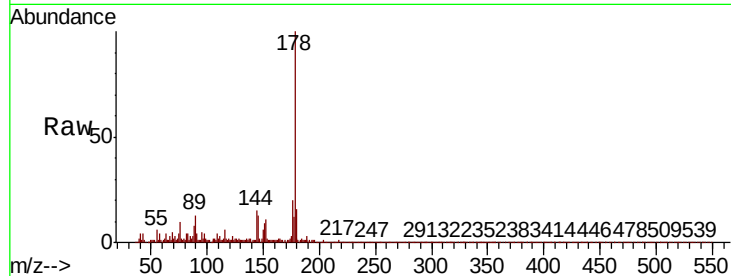
#71
Phenanthrene
Concen: 2.352 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Instrument :
BNA_P
ClientSampleId :
20190830-COMPOSITE-FRE

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.4	23.2
179	16.2	12.2	18.4

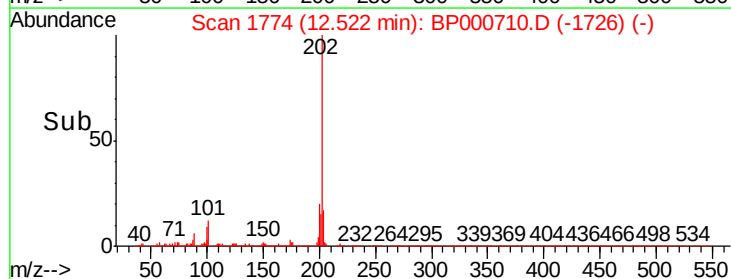
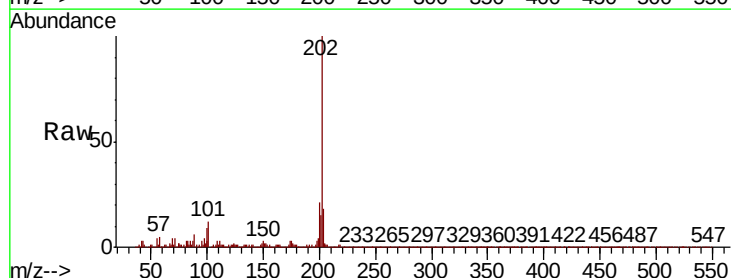
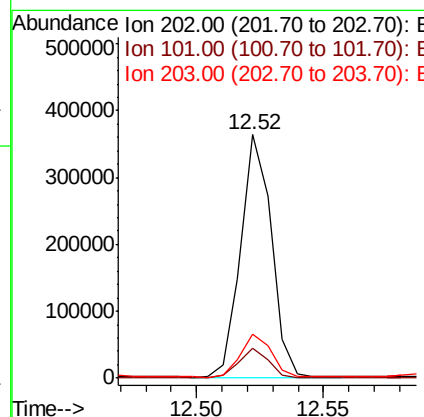
Manual Integrations
APPROVED

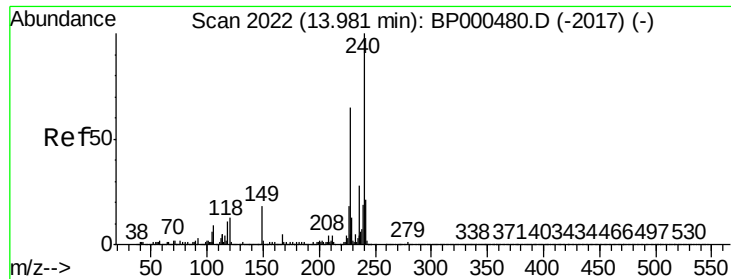
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#75
Fluoranthene
Concen: 7.234 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.3
203	17.8	0.0	38.1





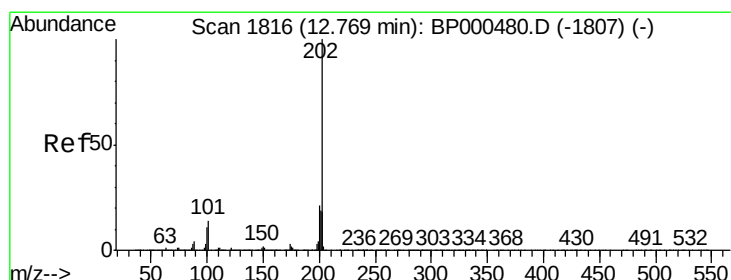
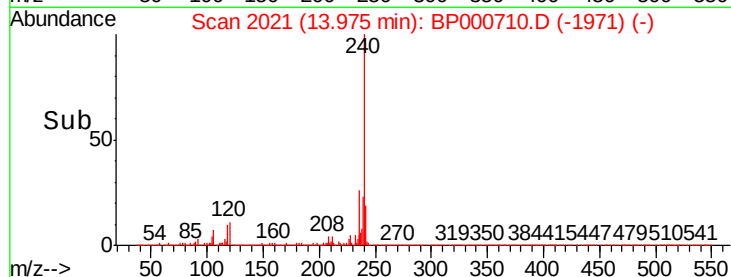
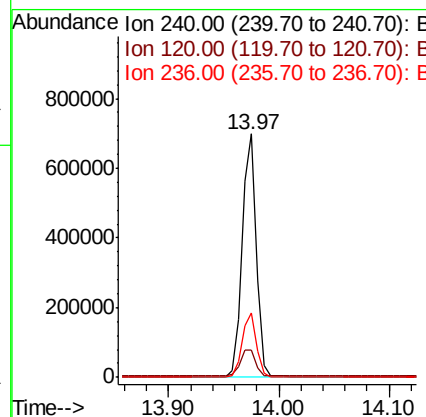
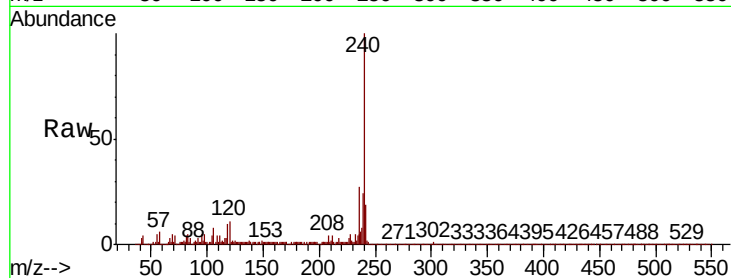
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Instrument :
BNA_P
ClientSampleId :
20190830-COMPOSITE-FRE

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	10.1	15.1
236	26.5	22.7	34.1

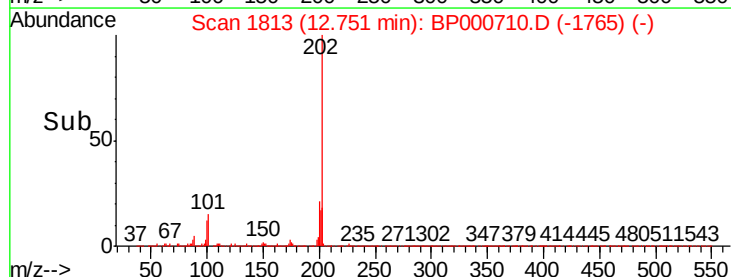
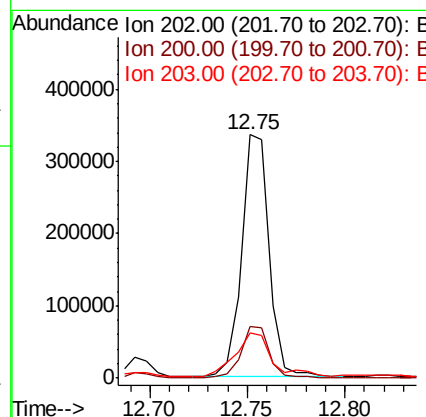
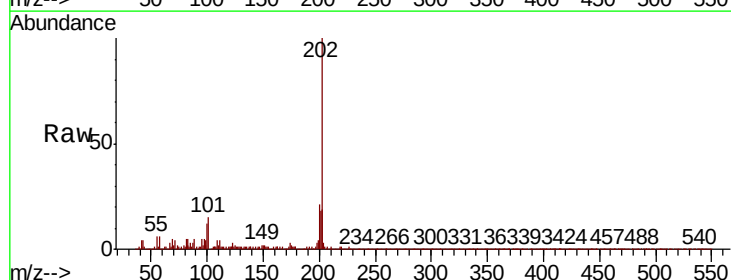
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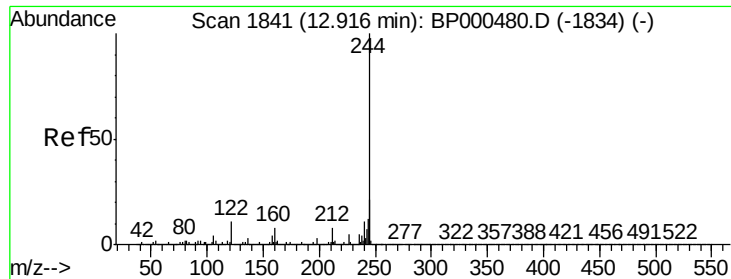
mohammad
10/16/2019 8:11:25 AM



#78
Pyrene
Concen: 7.562 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	18.7	14.6	21.8





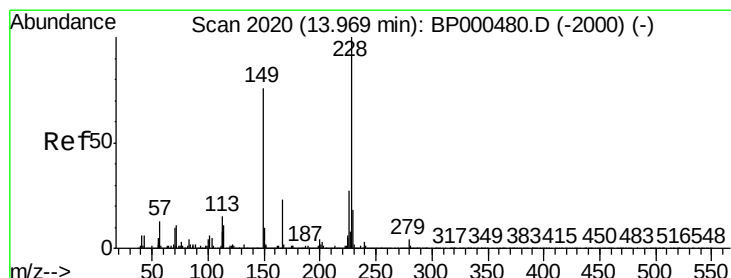
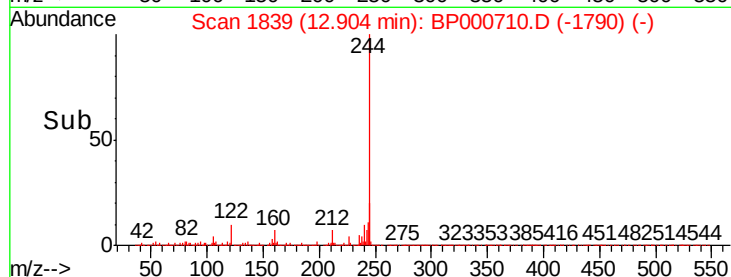
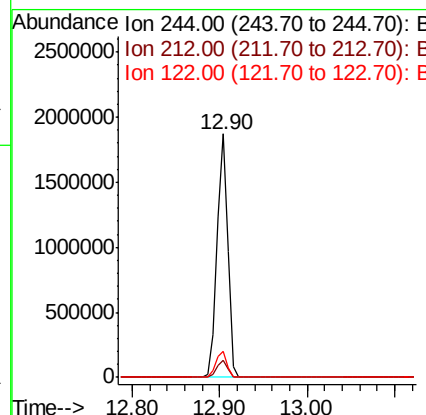
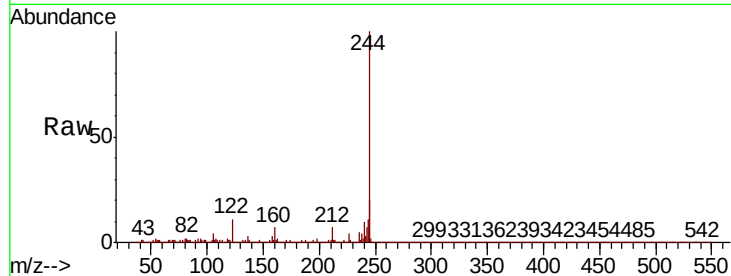
#79
 Terphenyl-d14
 Concen: 51.892 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BP000710.D
 Acq: 14 Oct 2019 15:05

Instrument :
 BNA_P
 ClientSampleId :
 20190830-COMPOSITE-FRE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	10.5	8.9	13.3

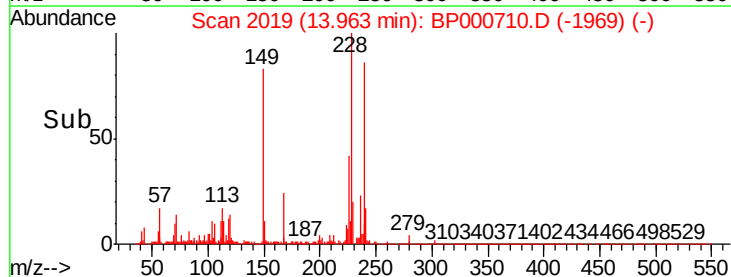
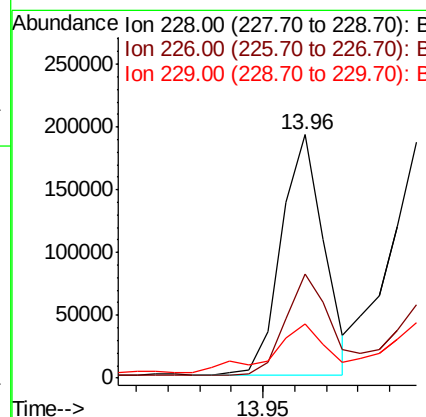
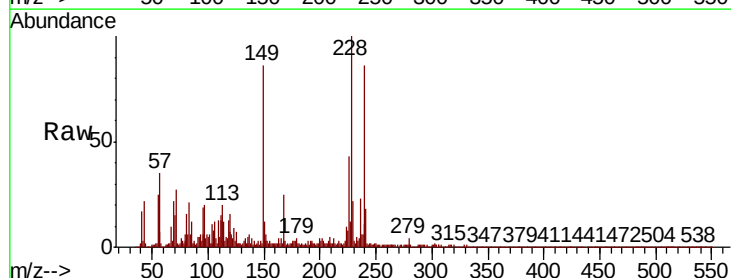
Manual Integrations
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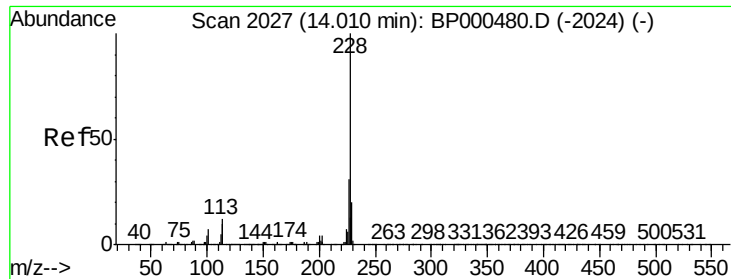
mohammad
 10/16/2019 8:11:25 AM



#81
 Benzo(a)anthracene
 Concen: 4.710 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BP000710.D
 Acq: 14 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	42.6	21.4	32.2#
229	22.4	14.7	22.1#





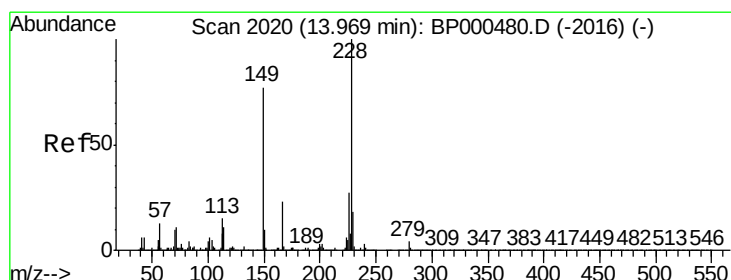
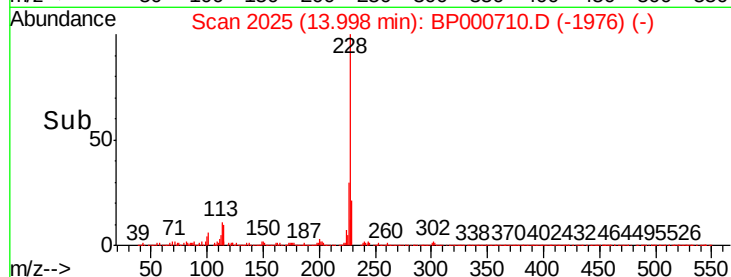
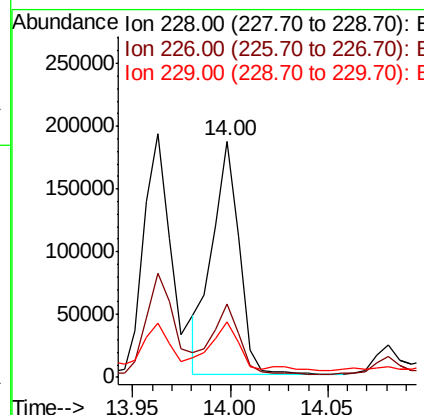
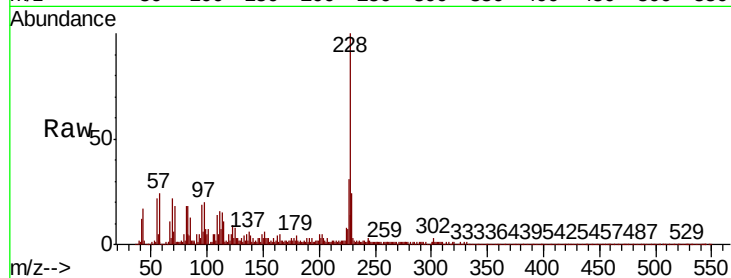
#83
Chrysene
Concen: 4.775 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Instrument :
BNA_P
ClientSampleId :
20190830-COMPOSITE-FRE

Tot Ion	Ratio	Resp	Lower	Upper
228	100	178692		
226	30.9		24.7	37.1
229	23.6		16.3	24.5

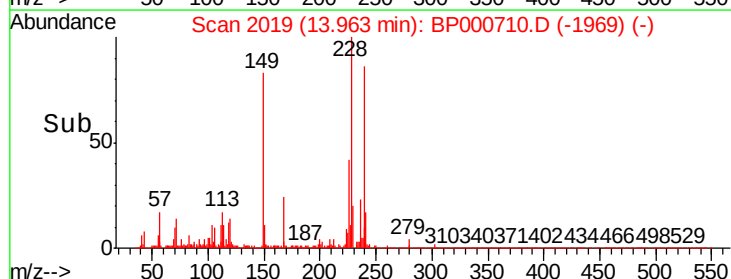
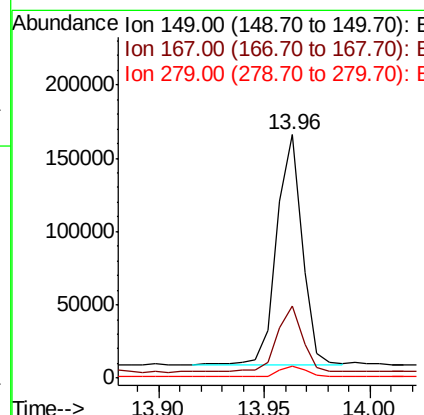
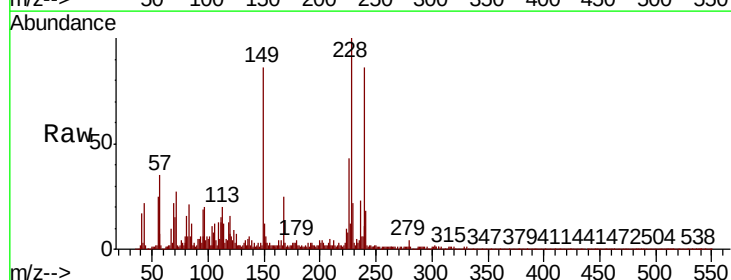
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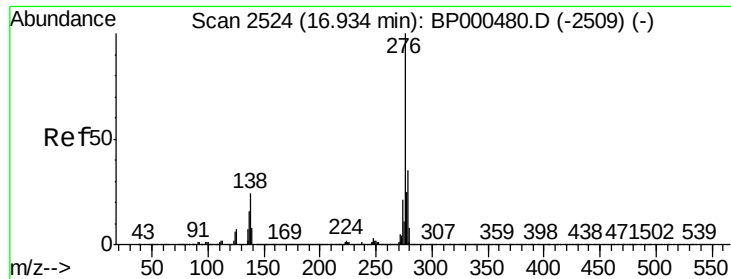
mohammad
10/16/2019 8:11:25 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.610 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	132525		
167	29.4		23.6	35.4
279	5.2		3.9	5.9





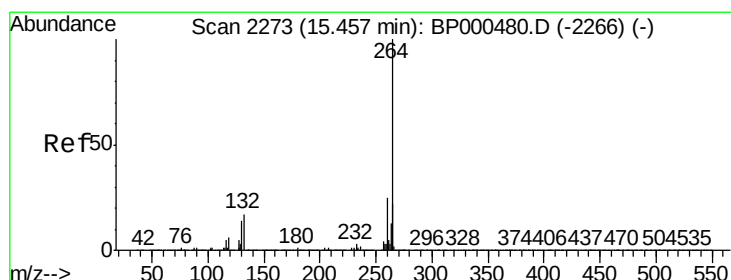
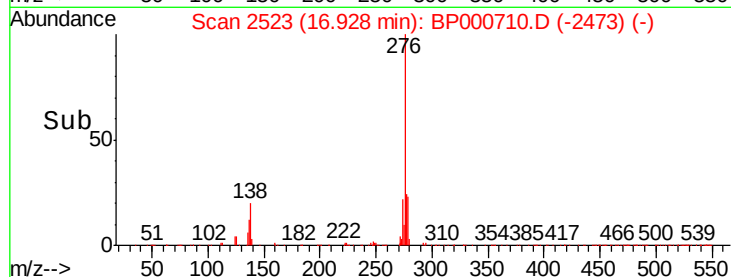
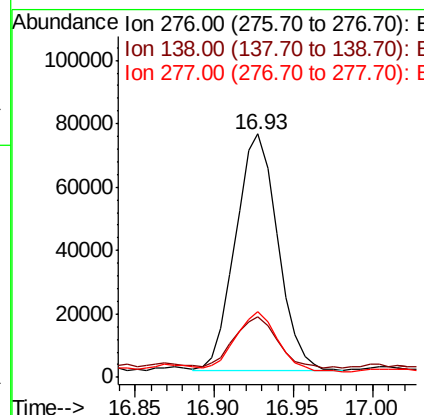
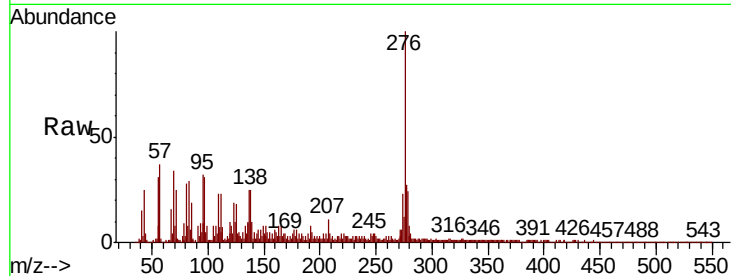
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.975 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.01 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Instrument :
BNA_P
ClientSampleId :
20190830-COMPOSITE-FRE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	21.8	20.9	31.3		
277	25.8	20.6	30.8		

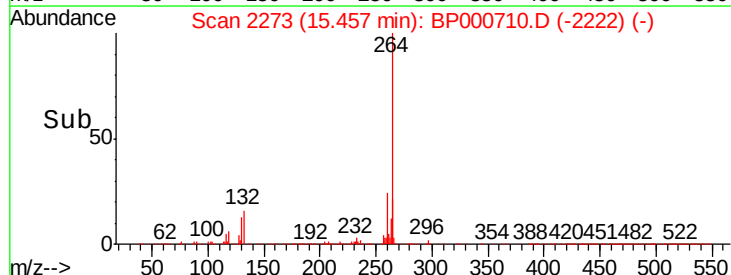
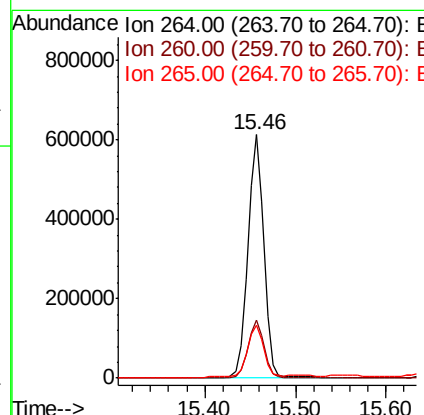
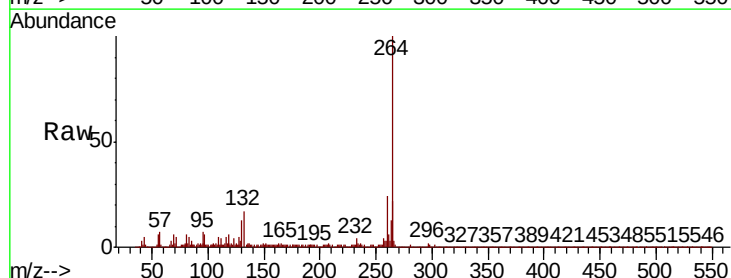
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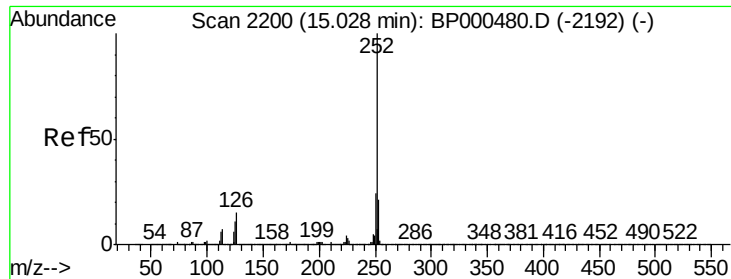
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.9	20.3	30.5		
265	21.8	18.0	27.0		





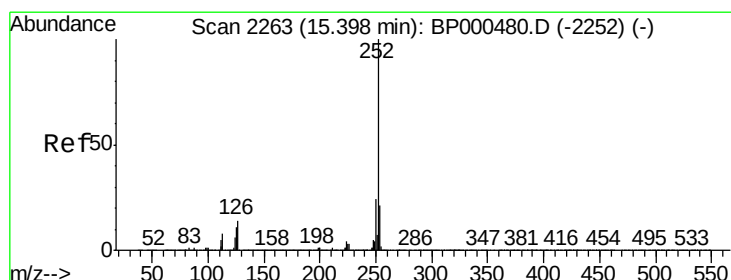
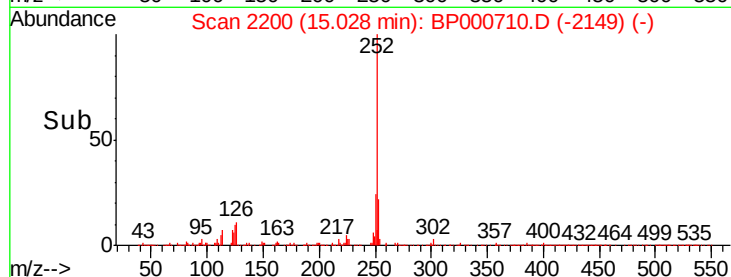
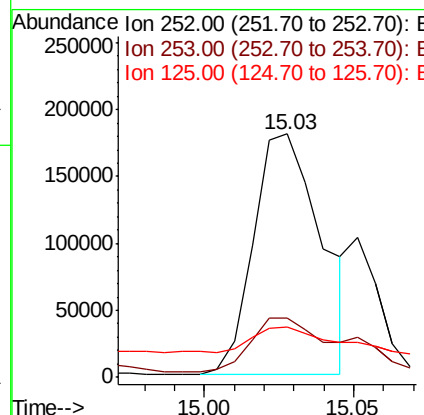
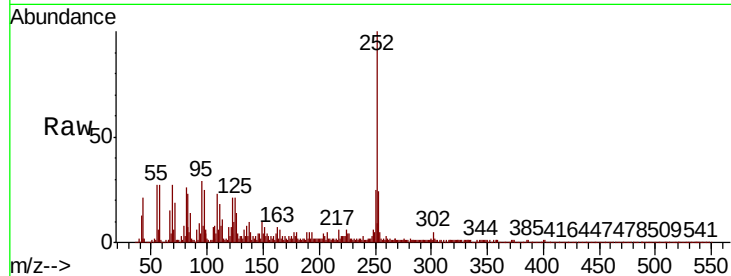
#88
Benzo(b)fluoranthene
Concen: 6.723 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Instrument :
BNA_P
ClientSampleId :
20190830-COMPOSITE-FRE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.4
125	20.8	8.9	13.3

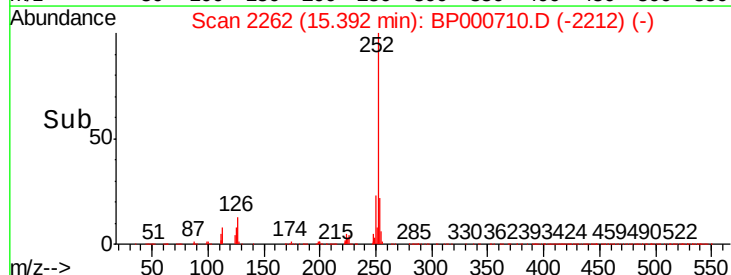
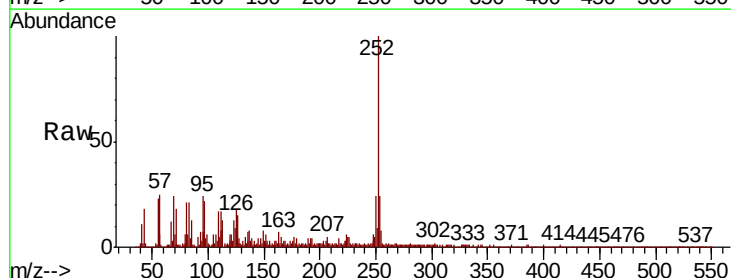
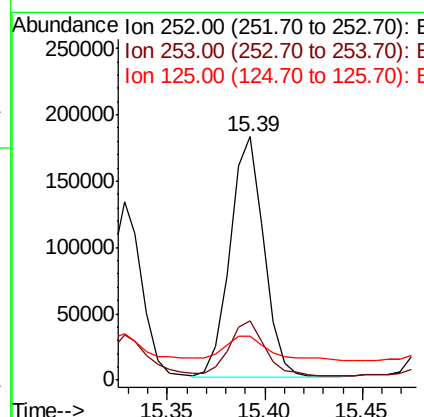
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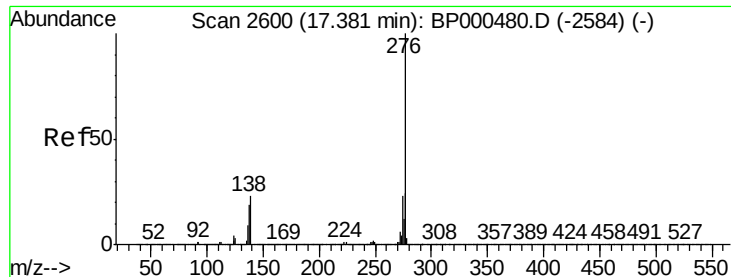
mohammad
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#90
Benzo(a)pyrene
Concen: 5.553 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	18.2	8.4	12.6





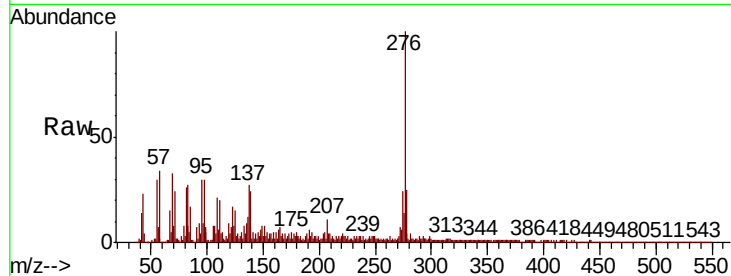
#92
 Benzo(a,h,i)perylene
 Concen: 3.711 ng
 RT: 17.37 min Scan# 2598
 Delta R.T. -0.01 min
 Lab File: BP000710.D
 Acq: 14 Oct 2019 15:05

Instrument :
 BNA_P
 ClientSampleId :
 20190830-COMPOSITE-FRE

Tot Ion:	276	Resp:	143706
Ion Ratio		Lower	Upper
276	100		
277	24.8	19.4	29.2
138	24.3	18.5	27.7

Manual Integrations
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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

