

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
 Data File : BM029443.D
 Acq On : 09 Apr 2021 22:17
 Operator : CG/JU
 Sample : M1881-13DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ESQH0DL

Manual Integrations
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Quant Time: Apr 09 23:48:22 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 09 11:03:41 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	108807	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	436560	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	238640	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	427543	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	391857	20.00	ng/ul	0.00
86) Perylene-d12	23.45	264	413710	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.19	96	5110	1.79	ng/uL	0.00
5) Phenol-d5	6.86	99	95433	10.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	63591	10.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	77772	11.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	73361	10.44	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	32829	10.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	34817	10.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	67050	10.37	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	50363	6.40	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	192830	11.28	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	238097	10.98	ng/ul	0.00
52) 4-Nitrophenol-d4	14.52	143	16382	5.23	ng/ul	0.00
58) Fluorene-d10	15.32	176	161683	11.20	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.43	200	5160	2.12	ng/ul	0.00
71) Anthracene-d10	17.16	188	230512	11.86	ng/ul	0.00
79) Pyrene-d10	19.45	212	246418	13.10	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	253076	11.99	ng/ul	0.00

Target Compounds				Ovalue		
6) Phenol	6.89	94	12162	1.251	ng/ul	97
50) Acenaphthene	14.39	153	23532	1.498	ng/ul	97
59) Fluorene	15.37	166	33254	1.842	ng/ul	97
70) Phenanthrene	17.10	178	659131	26.778	ng/ul	100
72) Anthracene	17.19	178	105712	4.185	ng/ul	99
75) Carbazole	17.46	167	48827	2.135	ng/ul	94
77) Fluoranthene	19.12	202	1293615	46.431	ng/ul	99
80) Pyrene	19.49	202	1009354	38.895	ng/ul	99
83) Benzo(a)anthracene	21.23	228	404181	16.358	ng/ul	98
85) Chrysene	21.27	228	454541	18.815	ng/ul	97
88) Benzo(b)fluoranthene	22.79	252	574192	21.560	ng/ul#	96
89) Benzo(k)fluoranthene	22.83	252	200338m	7.661	ng/ul	
91) Benzo(a)pyrene	23.36	252	374125	15.835	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.67	276	276669	8.947	ng/ul	97
93) Dibenzo(a,h)anthracene	25.67	278	65821	2.533	ng/ul#	77
94) Benzo(g,h,i)perylene	26.35	276	244781	9.747	ng/ul	99

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

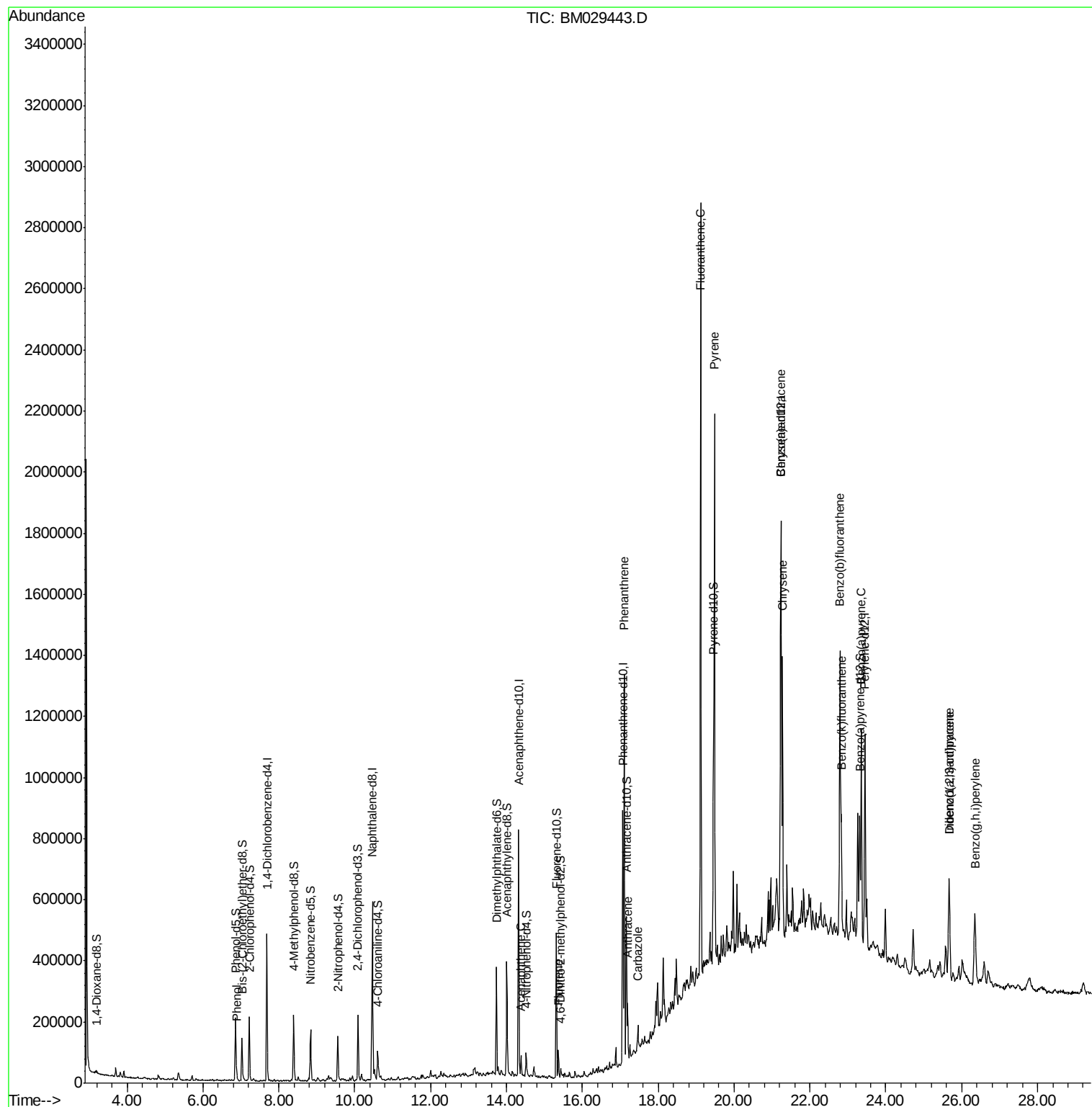
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\
Data File : BM029443.D
Acq On : 09 Apr 2021 22:17
Operator : CG/JU
Sample : M1881-13DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

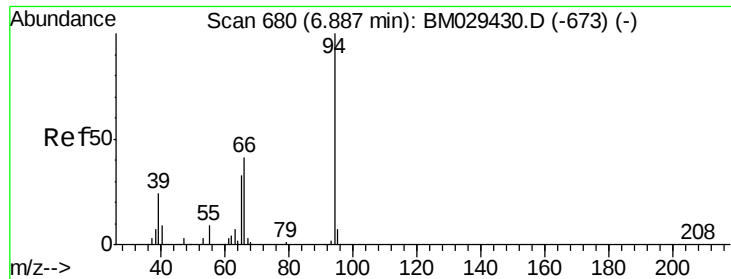
Instrument :
BNA_M
ClientSampleId :
ESQH0DL

Quant Time: Apr 09 23:48:22 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 09 11:03:41 2021
Response via : Initial Calibration

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#6

Phenol

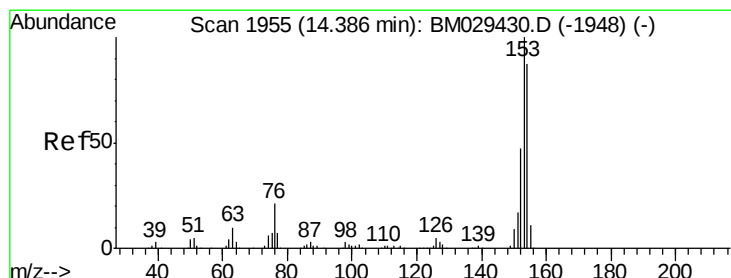
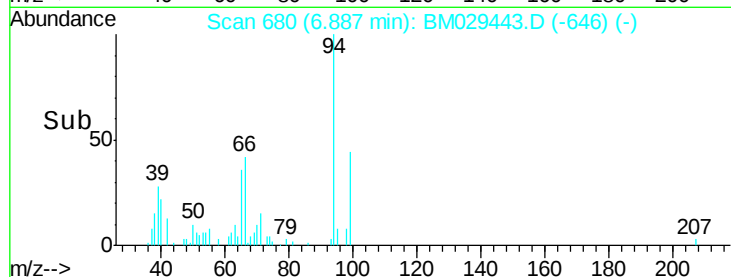
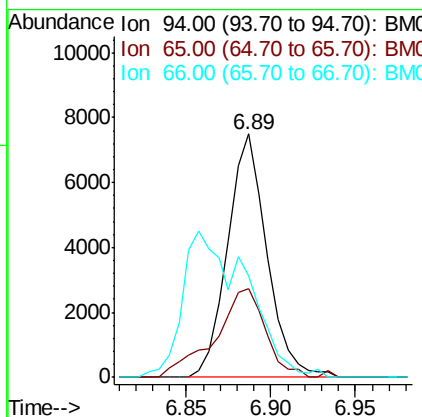
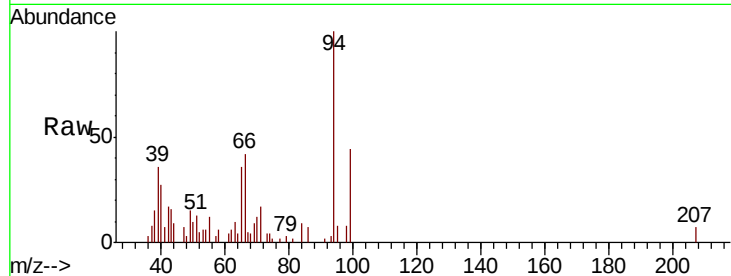
Concen: 1.251 ng/ul
 RT: 6.89 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: BM029443.D
 Acq: 09 Apr 2021 22:17

Instrument :
 BNA_M
 ClientSampleID :
 ESQH0DL

Tot Ion	Ratio	Lower	Upper
94	100		
65	36.5	26.7	40.1
66	41.9	33.8	50.8

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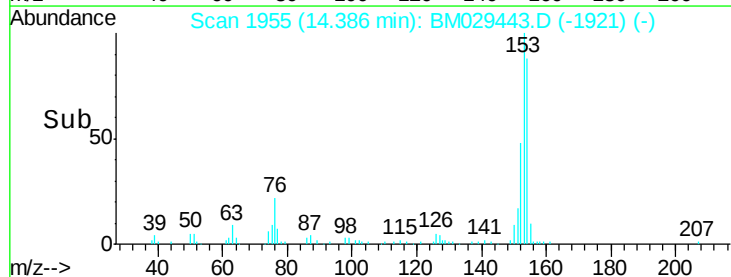
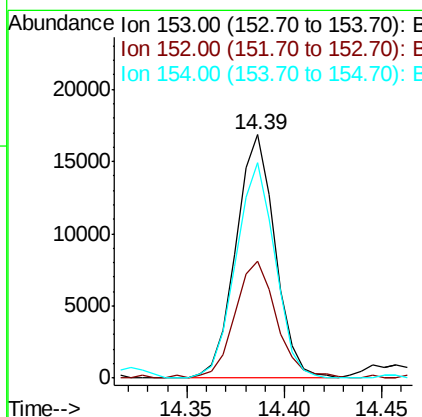
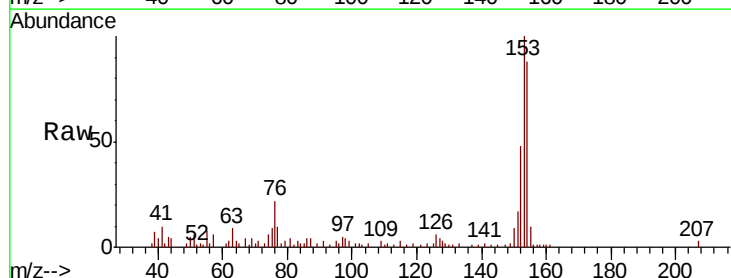


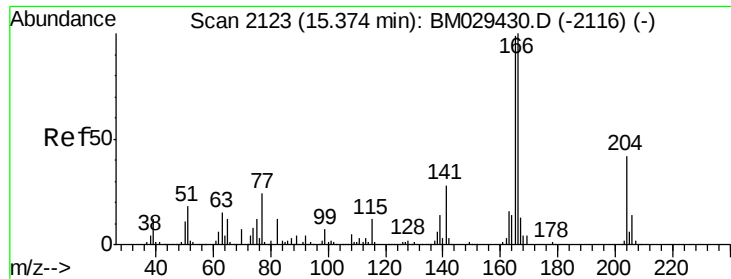
#50

Acenaphthene

Concen: 1.498 ng/ul
 RT: 14.39 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: BM029443.D
 Acq: 09 Apr 2021 22:17

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.1	37.0	55.4
154	88.4	68.7	103.1





#59

Fluorene

Concen: 1.842 ng/ul

RT: 15.37 min Scan# 2123

Delta R.T. 0.01 min

Lab File: BM029443.D

Acq: 09 Apr 2021 22:17

Instrument :

BNA_M

ClientSampleId :

ESQH0DL

Tot Ion:166 Resp: 33254

Ion Ratio Lower Upper

166 100

165 95.8 78.9 118.3

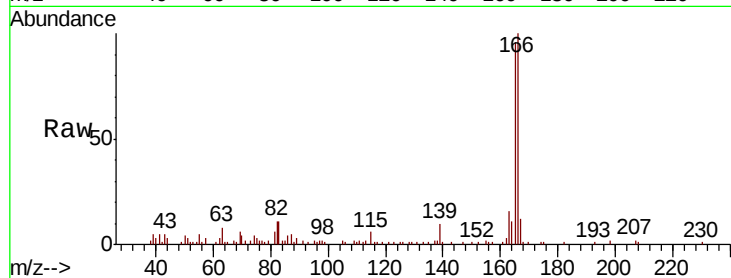
167 11.9 11.3 16.9

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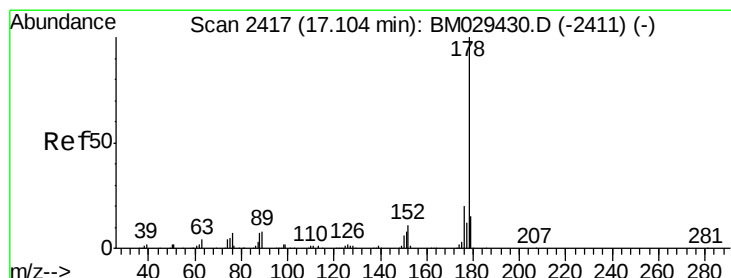
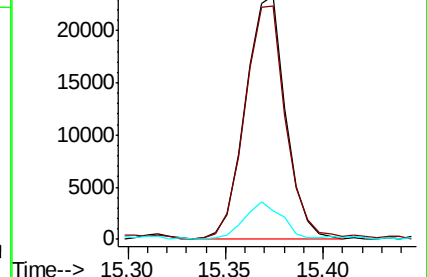
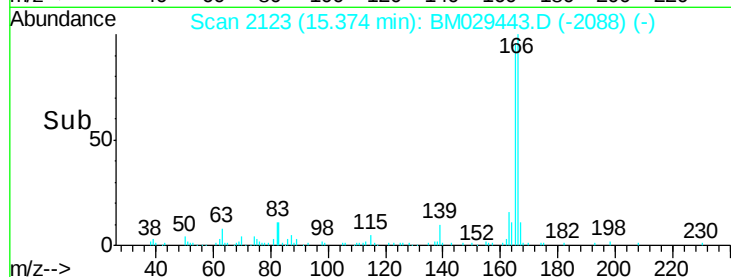
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 26.778 ng/ul

RT: 17.10 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BM029443.D

Acq: 09 Apr 2021 22:17

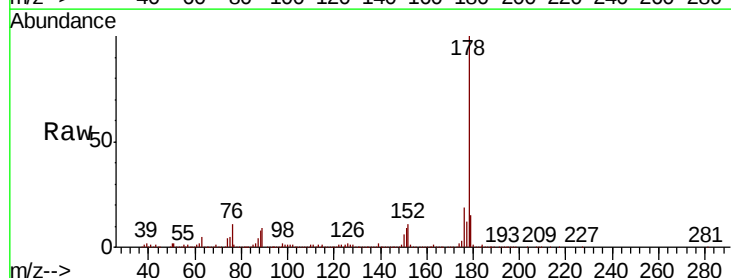
Tgt Ion:178 Resp: 659131

Ion Ratio Lower Upper

178 100

179 15.0 12.2 18.2

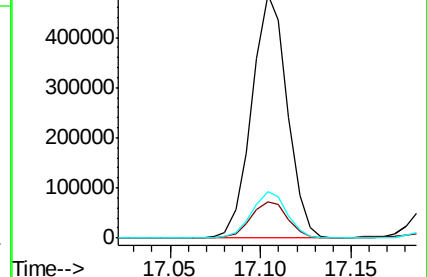
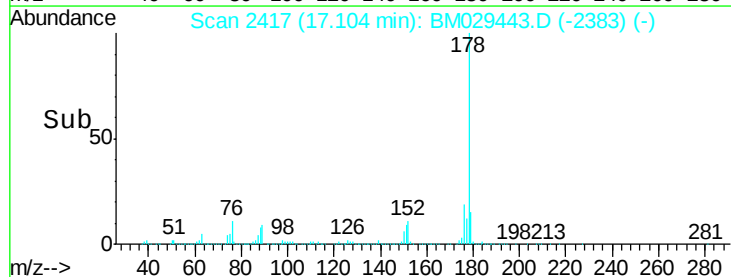
176 19.2 15.4 23.2

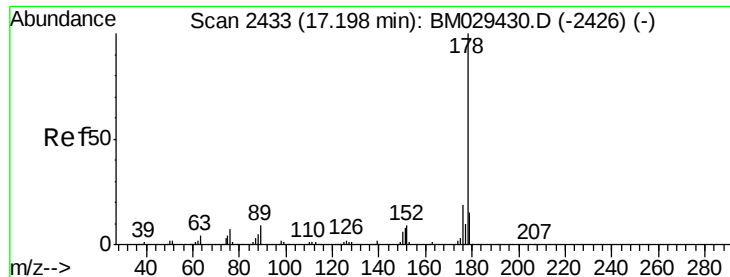


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 4.185 ng/ul

RT: 17.19 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BM029443.D

Acq: 09 Apr 2021 22:17

Instrument :

BNA_M

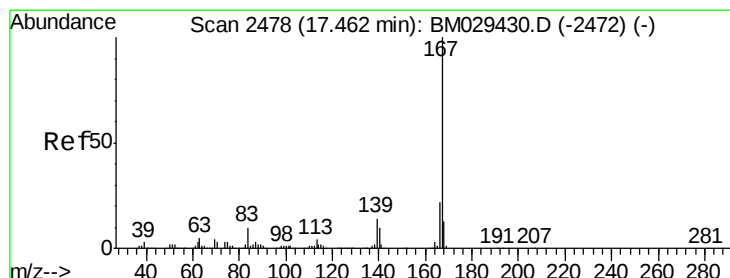
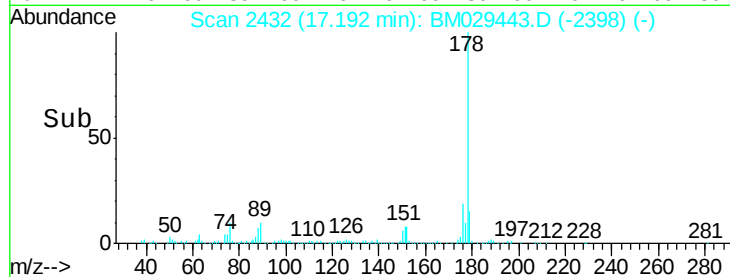
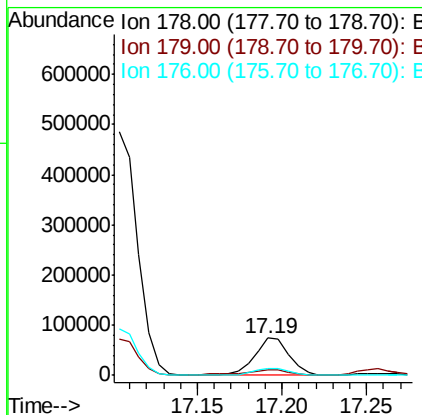
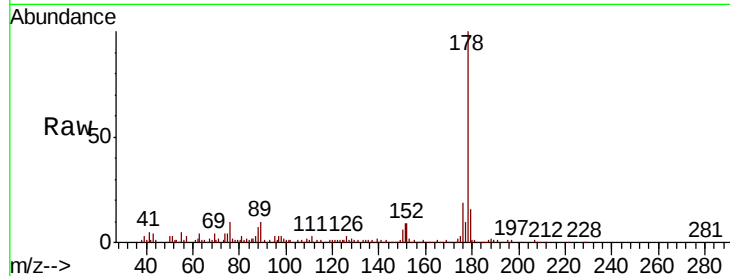
ClientSampleId :

ESQH0DL

Tot Ion:	178	Resp:	105712
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.6	19.0
176	18.6	15.4	23.0

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#75

Carbazole

Concen: 2.135 ng/ul

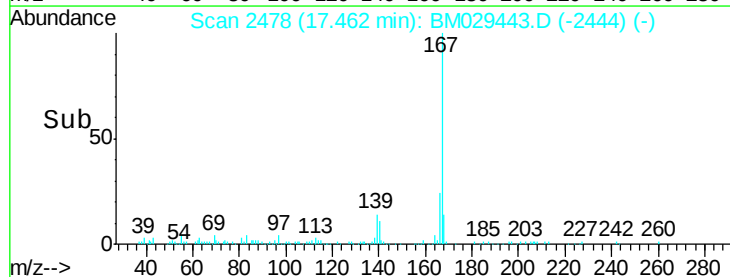
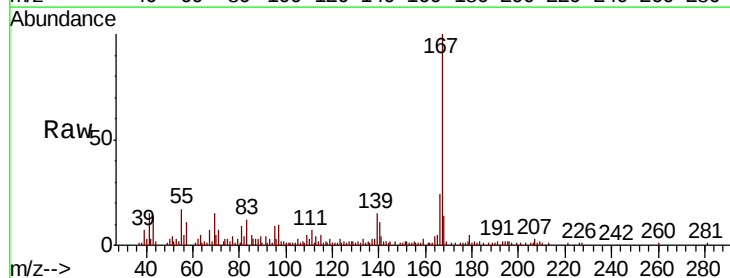
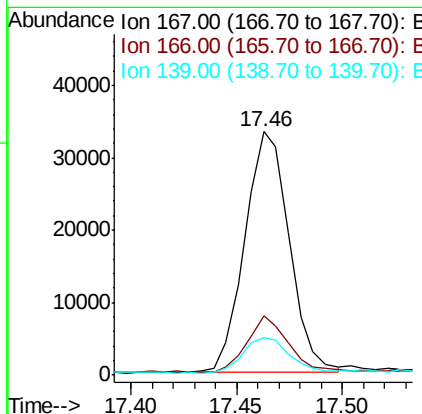
RT: 17.46 min Scan# 2478

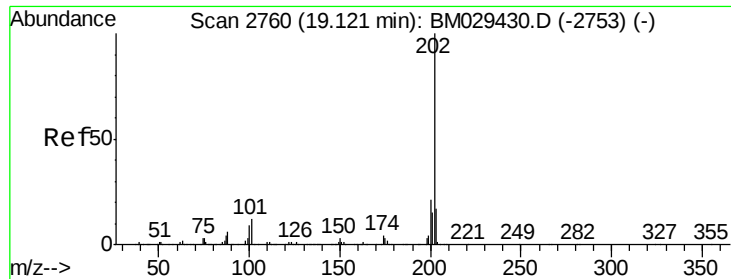
Delta R.T. -0.00 min

Lab File: BM029443.D

Acq: 09 Apr 2021 22:17

Tgt Ion:	167	Resp:	48827
Ion Ratio	Lower	Upper	
167	100		
166	24.3	17.3	25.9
139	15.4	10.6	16.0





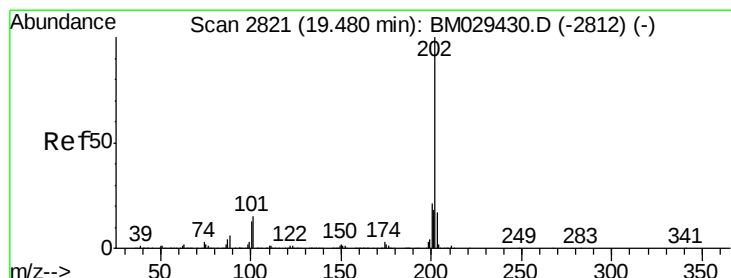
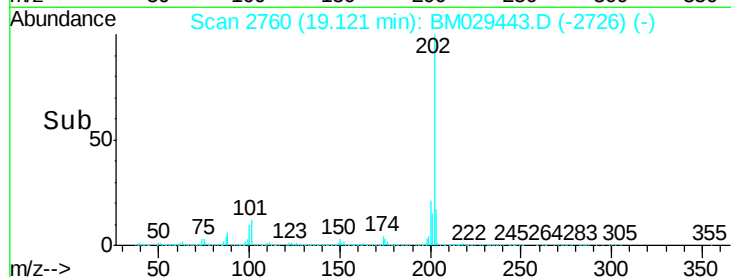
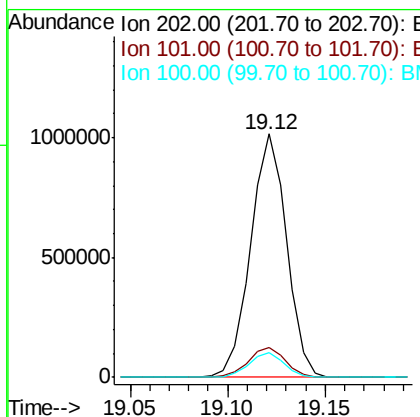
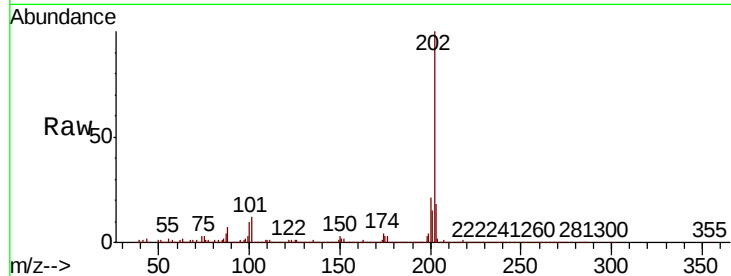
#77
 Fluoranthene
 Concen: 46.431 ng/ul
 RT: 19.12 min Scan# 2760
 Delta R.T. -0.00 min
 Lab File: BM029443.D
 Acq: 09 Apr 2021 22:17

Instrument :
 BNA_M
 ClientSampleID :
 ESQH0DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.8	14.6
100	10.0	7.4	11.0

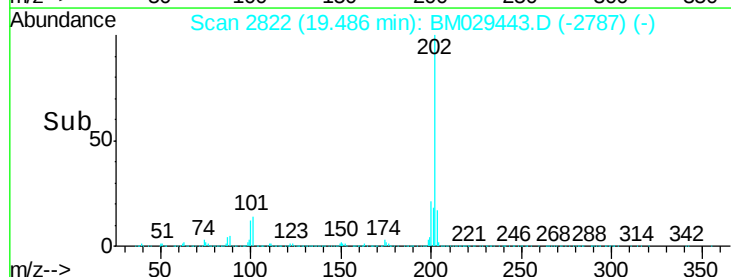
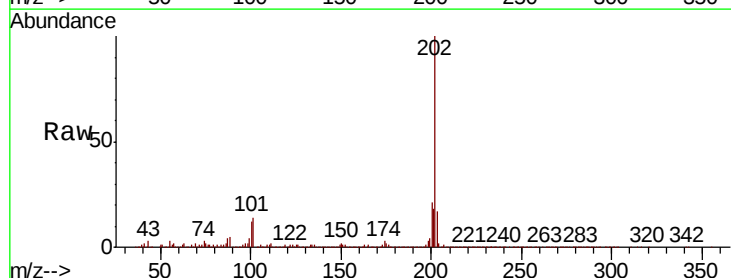
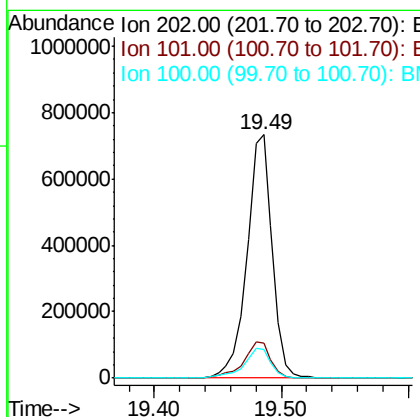
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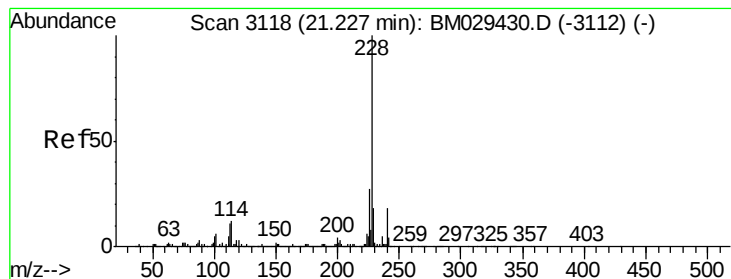
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#80
 Pyrene
 Concen: 38.895 ng/ul
 RT: 19.49 min Scan# 2822
 Delta R.T. 0.01 min
 Lab File: BM029443.D
 Acq: 09 Apr 2021 22:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	11.0	16.6
100	11.7	9.5	14.3





#83

Benzo(a)anthracene

Concen: 16.358 ng/ul

RT: 21.23 min Scan# 3118

Delta R.T. -0.00 min

Lab File: BM029443.D

Acq: 09 Apr 2021 22:17

Instrument :

BNA_M

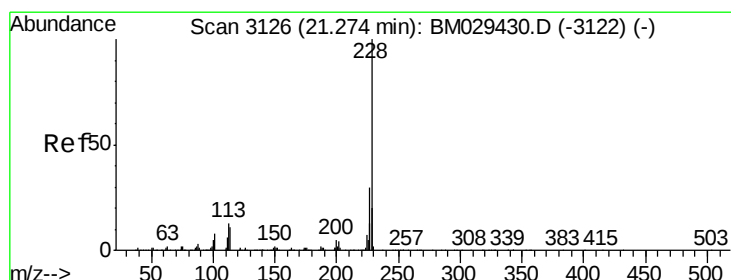
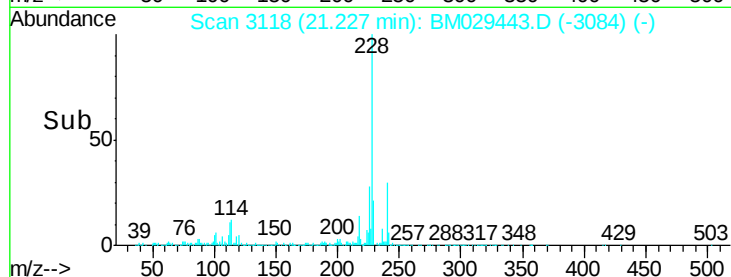
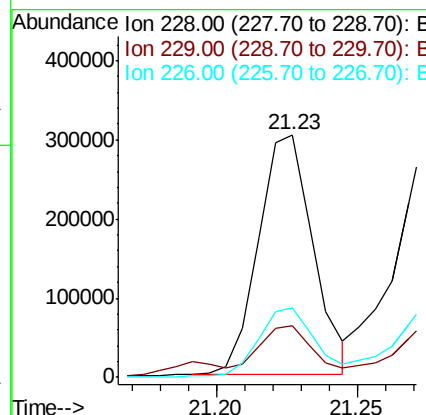
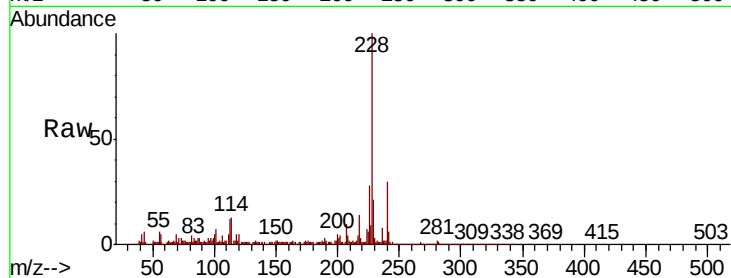
ClientSampleId :

ESQH0DL

Tot Ion:	228	Resp:	404181
Ion Ratio	Lower	Upper	
228	100		
229	21.2	15.7	23.5
226	28.4	22.3	33.5

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#85

Chrysene

Concen: 18.815 ng/ul

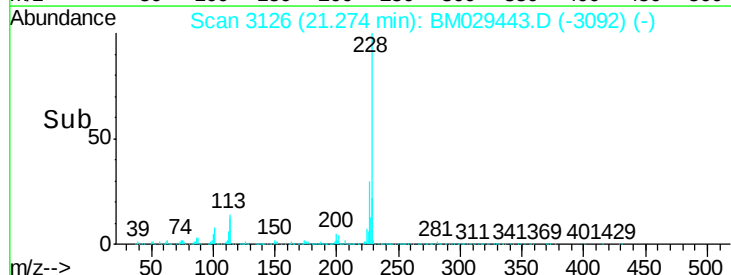
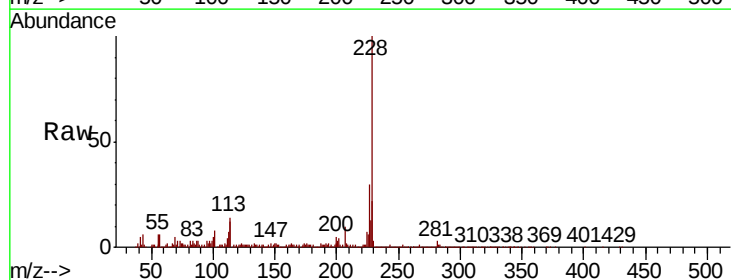
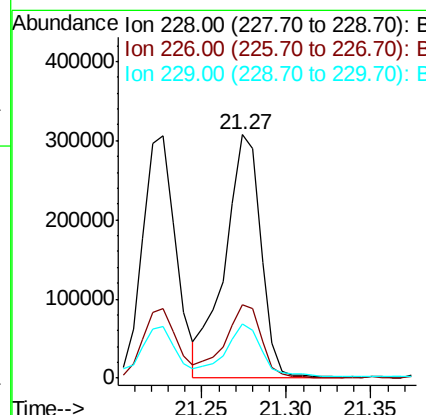
RT: 21.27 min Scan# 3126

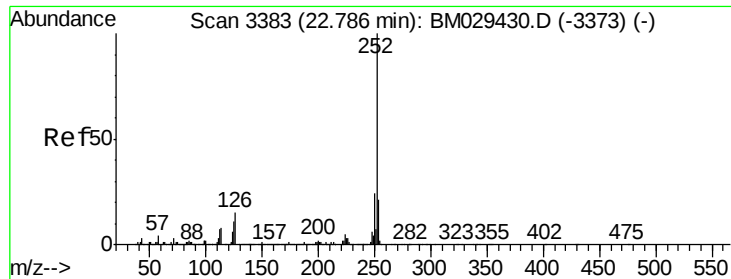
Delta R.T. -0.00 min

Lab File: BM029443.D

Acq: 09 Apr 2021 22:17

Tgt Ion:	228	Resp:	454541
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.0	36.0
229	22.2	15.4	23.0





#88

Benzo(b)fluoranthene

Concen: 21.560 ng/ul

RT: 22.79 min Scan# 3384

Delta R.T. 0.01 min

Lab File: BM029443.D

Acq: 09 Apr 2021 22:17

Instrument :

BNA_M

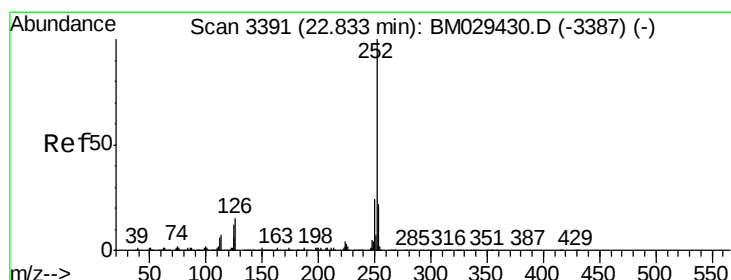
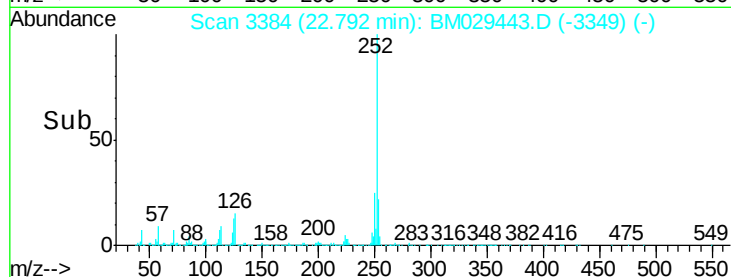
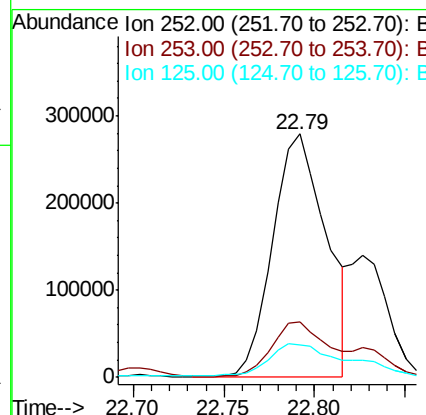
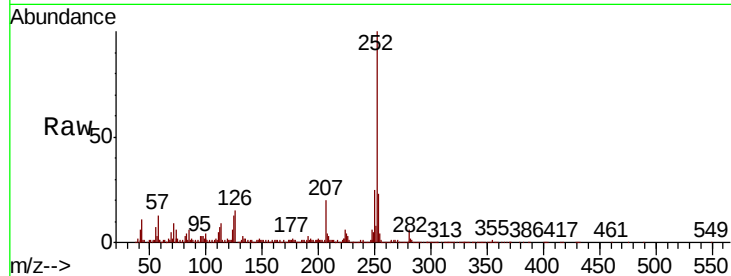
ClientSampleId :

ESQH0DL

Tot Ion:	252	Resp:	574192
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.2	25.8
125	13.4	8.8	13.2#

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#89

Benzo(k)fluoranthene

Concen: 7.661 ng/ul m

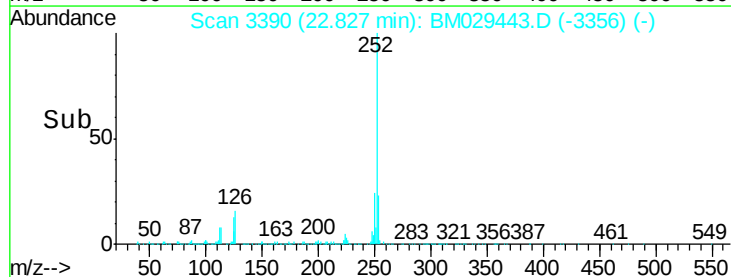
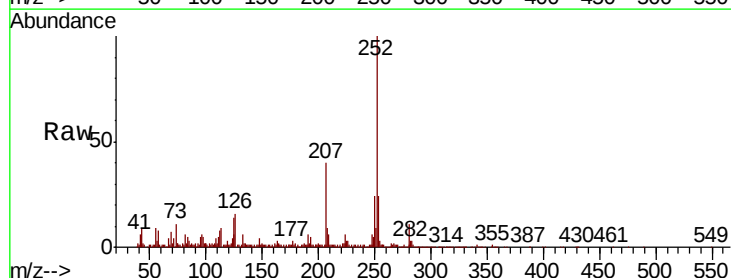
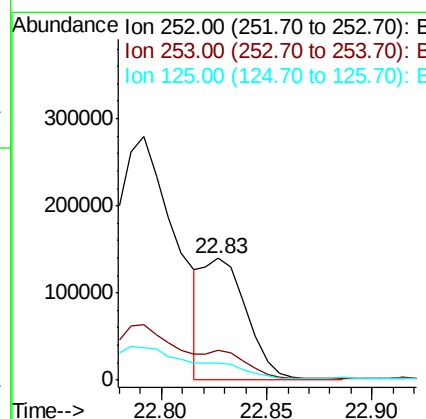
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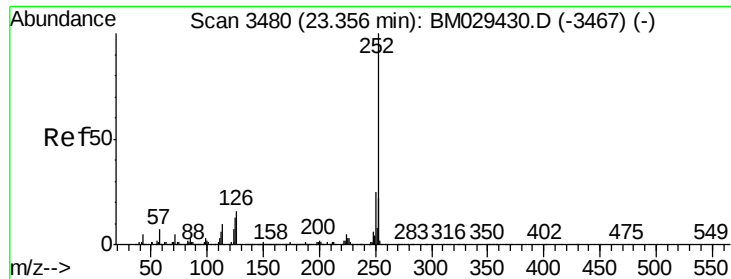
Delta R.T. -0.00 min

Lab File: BM029443.D

Acq: 09 Apr 2021 22:17

Tgt Ion:	252	Resp:	200338
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.1	25.7
125	14.4	9.4	14.0#





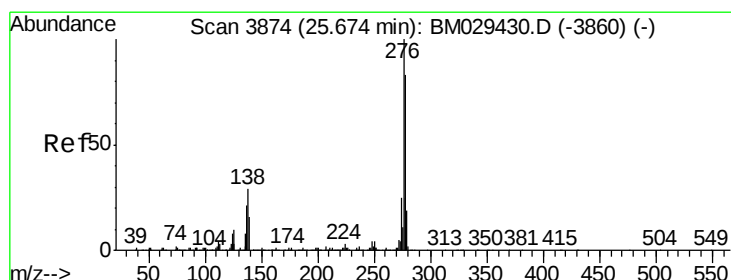
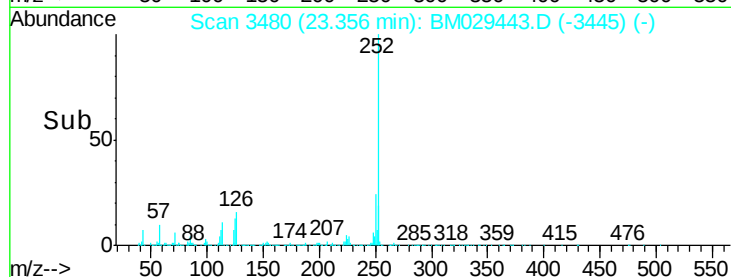
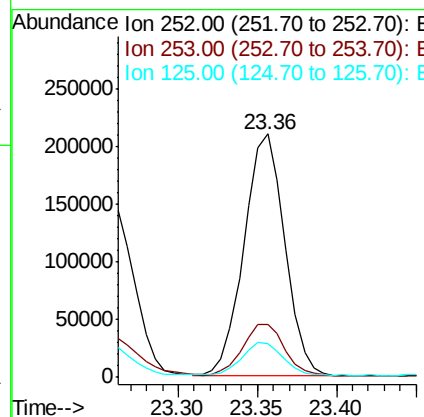
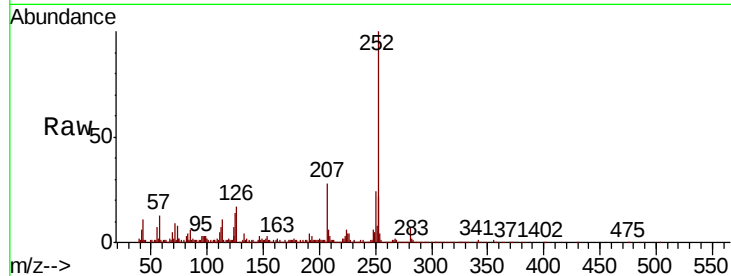
#91
Benzo(a)pyrene
Concen: 15.835 ng/ul
RT: 23.36 min Scan# 3480
Delta R.T. 0.01 min
Lab File: BM029443.D
Acq: 09 Apr 2021 22:17

Instrument :
BNA_M
ClientSampleId :
ESQH0DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	14.1	9.8	14.8

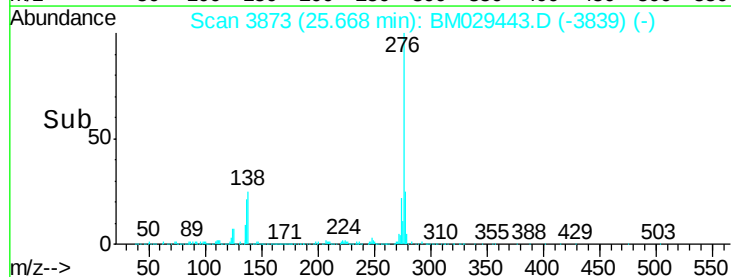
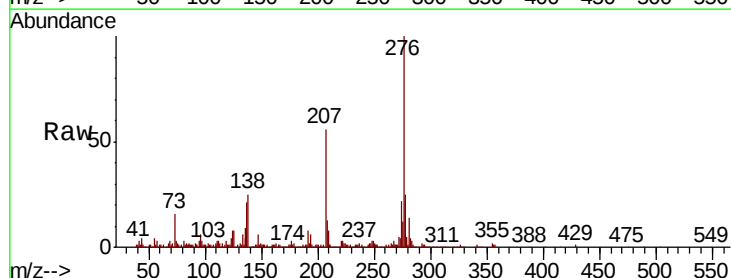
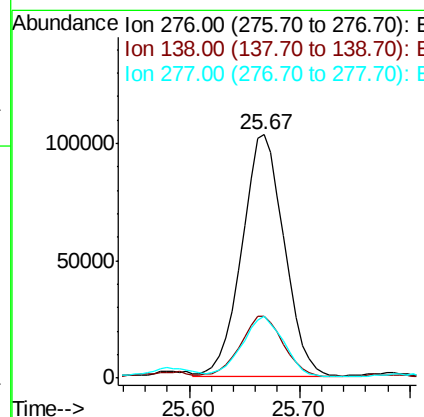
Manual Integrations
APPROVED

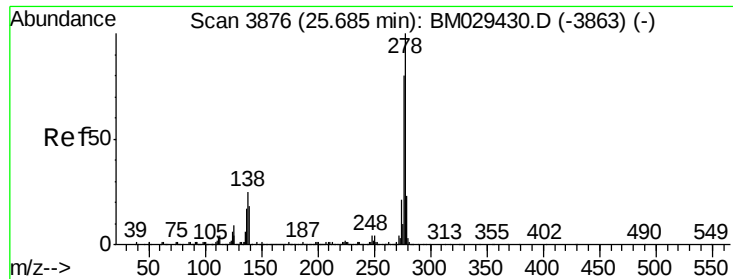
mohammad
4/12/2021 2:46:20 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 8.947 ng/ul
RT: 25.67 min Scan# 3873
Delta R.T. -0.00 min
Lab File: BM029443.D
Acq: 09 Apr 2021 22:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	22.3	33.5
277	25.2	19.7	29.5





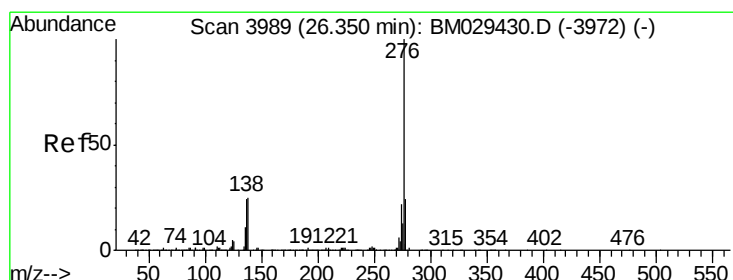
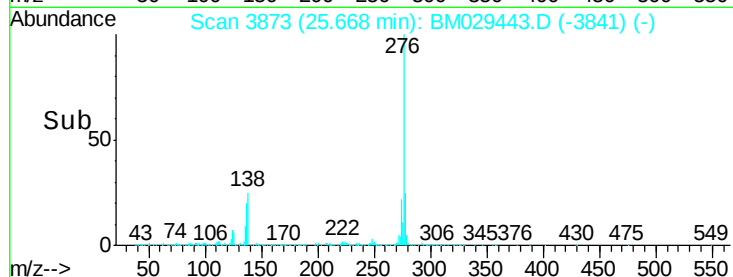
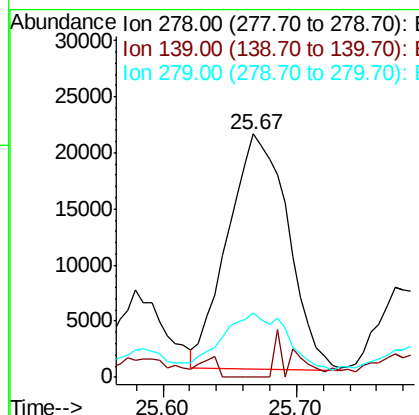
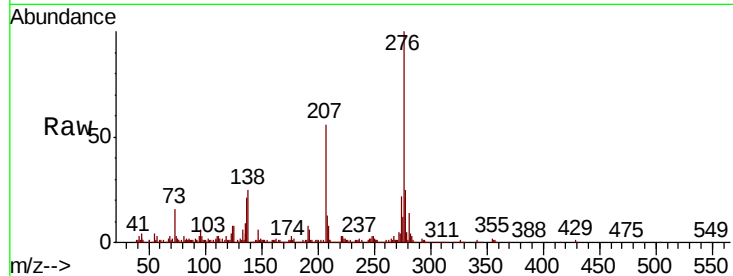
#93
Dibenzo(a,h)anthracene
Concen: 2.533 ng/ul
RT: 25.67 min Scan# 3873
Delta R.T. -0.01 min
Lab File: BM029443.D
Acq: 09 Apr 2021 22:17

Instrument :
BNA_M
ClientSampleID :
ESQH0DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.7	22.1#
279	26.2	18.2	27.2

Manual Integrations
APPROVED

mohammad
4/12/2021 2:46:20 PM



#94
Benzo(g,h,i)perylene
Concen: 9.747 ng/ul
RT: 26.35 min Scan# 3989
Delta R.T. 0.01 min
Lab File: BM029443.D
Acq: 09 Apr 2021 22:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	19.5	29.3
277	23.1	18.8	28.2

